



**Standard Estimate Report**  
*Sample Project*

***Sample Project***  
***Estimate***

<b>Project name</b>	Sample Project
<b>Equipment rate table</b>	Standard
<b>Job size</b>	18524 SF
<b>Report format</b>	Sorted by 'Group phase/Phase' 'Detail' summary



Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>00200.000 Special Construction</b>					
<b>00230.000 Site Development</b>					
0200	Dumpster Enclosure - Type 1	1.00 EA	38,000.00 /EA		38,000
0210	Dumpster Enclosure - Type 2	1.00 EA	24,000.00 /EA		24,000
	<b>Site Development</b>				<b>62,000</b>
<b>Special Construction</b>					<b>62,000</b>
<b>02700.000 Pavements and Coverings</b>					
<b>02775.275 Sidwks,drivwys,&amp; patios</b>					
0210	Concrete Landing, 4" Concrete incl 4" crushed stone	225.00 SF	7.45 /SF		1,676
	<b>Sidwks,drivwys,&amp; patios</b>				<b>1,676</b>
<b>Pavements and Coverings</b>					<b>1,676</b>
<b>02851.000 Site Improvemt &amp; Amenitis</b>					
<b>02851.010 Site Improvement -Overall</b>					
0010	Sitework Estimate - see attached for detail - LODI	1.00 LS	1,337,325.00 /LS		1,337,325
	<b>Site Improvement -Overall</b>				<b>1,337,325</b>
<b>Site Improvemt &amp; Amenitis</b>					<b>1,337,325</b>
<b>03300.000 CAST-IN-PLACE CONCRETE</b>					
<b>03300.010 Slab on Grade</b>					
16	6" Slab on Grade - new construction	9,284.00 SF	8.95 /SF		83,092
	<b>Slab on Grade</b>				<b>83,092</b>
<b>03310.104 Conc: Footings</b>					
B103	Ext concrete strip footing	438.00 LF	124.432 /LF		54,501
B108	Ext spread footing	27.00 EA	1,047.20 /EA		28,274
B110	Int strip footing avg depth	60.00 LF	95.984 /LF		5,759
B120	Int Spread Footing avg depth	7.00 EA	924.00 /EA		6,468
	<b>Conc: Footings</b>				<b>95,003</b>
<b>03310.106 Conc: Foundation Walls</b>					
0010	Foundation concrete 14" Thick	1,664.40 sf	33.264 /sf		55,365
	<b>Conc: Foundation Walls</b>				<b>55,365</b>



Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
<b>CAST-IN-PLACE CONCRETE</b>				<b>233,459</b>
<b>05100.000 STRUCTURAL METAL FRAMING</b>				
<b>05120.000</b>	<b>Structural steel</b>			
0200	Detailing	9,284.00 sf	1.15 /sf	10,677
0400	Trucking	26.00 ton	375.00 /ton	9,750
0500	Testing	26.00 ton	60.00 /ton	1,560
0600	Structural Steel Fabrication & Erection	26.16 ton	4,680.00 /ton	122,410
0720	Skylight/barrel curb - Structural steel	5.85 Ton	4,150.00 /Ton	24,278
				<b>168,674</b>
<b>STRUCTURAL METAL FRAMING</b>				<b>168,674</b>
<b>05200.000 METAL JOISTS</b>				
<b>05210.600</b>	<b>Open web joists</b>			
0010	Bar Joists	12.40 ton	3,787.00 /ton	46,959
<b>Open web joists</b>				<b>46,959</b>
<b>METAL JOISTS</b>				<b>46,959</b>
<b>05300.000 METAL DECKING</b>				
<b>05310.300</b>	<b>Metal decking</b>			
0100	Metal Deck, standard H&H Spec	8,900.00 sf	1.51 /sf	13,395
<b>Metal decking</b>				<b>13,395</b>
<b>METAL DECKING</b>				<b>13,395</b>
<b>05500.000 METAL FABRICATIONS</b>				
<b>05514.500</b>	<b>Ladder</b>			
0100	Ladder, steel, 20" wide, bolted to concrete, w/o cage	14.00 vlf	70.184 /vlf	983
<b>Ladder</b>				<b>983</b>
<b>METAL FABRICATIONS</b>				<b>983</b>
<b>05800.000 EXPANSION CONTROL/COL COV</b>				
<b>05810.400</b>	<b>Column Covers</b>			
0250	Column Cover - Alum - 12"x12" - per VLF	75.00 lf	57.82 /lf	4,336



Item	Description	Takeoff Qty	Unit Cost	Total	Amount
	Column Covers				4,336
	<b>EXPANSION CONTROL/COL COV</b>				<b>4,336</b>
<b>06100.000</b>	<b>ROUGH CARPENTRY</b>				
<b>06140.011</b>	<b>Blocking- Roof</b>				
0010	Roof Blocking per LF	3,266.00	lf	2.573 /lf	8,404
	<b>Blocking- Roof</b>				<b>8,404</b>
	29.691 Labor hours				
	<b>ROUGH CARPENTRY</b>				<b>8,404</b>
	29.691 Labor hours				
<b>07400.000</b>	<b>Roofing &amp; Siding Panels</b>				
<b>07410.690</b>	<b>Metal facing panels</b>				
0010	Metal facing pnl, textured al	4,095.00	sf	21.15 /sf	86,609
1470	Metal facing panel accessories	4,095.00	SF	3.23 /SF	13,227
2710	Metal facing panel - blocking + knock out panel	1.00	EA	2,500.00 /EA	2,500
	<b>Metal facing panels</b>				<b>102,336</b>
	<b>Roofing &amp; Siding Panels</b>				<b>102,336</b>
<b>07500.000</b>	<b>Membrane Roofing</b>				
<b>07530.800</b>	<b>Single-ply membrane</b>				
0010	EPDM	8,740.00	SF	12.40 /SF	108,376
	<b>Single-ply membrane</b>				<b>108,376</b>
	<b>Membrane Roofing</b>				<b>108,376</b>
<b>07700.000</b>	<b>ROOF SPECIALTS&amp;ACCESSORSS</b>				
<b>07710.100</b>	<b>Pentrations</b>				
0010	Roof Pentrations	39.00	EA	290.00 /EA	11,310
	<b>Pentrations</b>				<b>11,310</b>
<b>07710.600</b>	<b>Coping</b>				
0010	Coping, aluminum, .080" thick, 4" height, kynar finish	734.00	lf	8.792 /lf	6,453
	<b>Coping</b>				<b>6,453</b>
<b>07720.000</b>	<b>Roof accessories</b>				
0010	Roof ladder - galv - mtd to wall - per vlf	30.00	vlf	65.00 /vlf	1,950



			Total	
Item	Description	Takeoff Qty	Unit Cost	Amount
<b>Roof accessories</b>				<b>1,950</b>
<b>07720.700</b>	<b>Roof hatches</b>			
0510	Roof hatches, 4' x 4', w/curb, 1" fbgl's insul, al curb & cover - s	1.00 ea	1,900.00 /ea	1,900
<b>Roof hatches</b>				<b>1,900</b>
<b>07720.800</b>	<b>Walkway</b>			
0020	Walkway Pad - for EPDM - 2' x 2'	129.00 EA	54.00 /EA	6,966
<b>Walkway</b>				<b>6,966</b>
<b>ROOF SPECIALTS&amp;ACCESSORSS</b>				<b>28,579</b>
<hr/>				
<b>07850.000</b>	<b>Metal Panel Finishes</b>			
<hr/>				
<b>07850.300</b>	<b>Composite Wall Panels</b>			
0010	Cp, [psote Wall Panel - st - not incl ms framing/sheathing	616.00 sf	37.50 /sf	23,100
0020	Cp, [psote Wall Panel - curved- not incl ms framing/sheathing	605.00 sf	47.50 /sf	28,738
<b>Composite Wall Panels</b>				<b>51,838</b>
<b>Metal Panel Finishes</b>				<b>51,838</b>
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<b>07900.000</b>	<b>JOINT SEALERS</b>			
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<b>07920.800</b>	<b>Joint sealants</b>			
0010	Caulking and sealants, SF Allowance	9,200.00 sf	0.36 /sf	3,294
<b>Joint sealants</b>				<b>3,294</b>
<b>JOINT SEALERS</b>				<b>3,294</b>
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<b>08100.000</b>	<b>METAL DOORS &amp; FRAMES</b>			
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<b>08110.200</b>	<b>Commercial steel doors</b>			
0010	Hollow Metal Door with HM frame and hardware	18.00 ea	1,724.09 /ea	31,034
0016	Hollow Metal Door w/HM frame & hardware - double	5.00 ea	2,737.80 /ea	13,689
0017	Hollow Metal Door Frame - upgrade to sidelight	1.00 ea	1,200.00 /ea	1,200
<b>Commercial steel doors</b>				<b>45,923</b>
<b>METAL DOORS &amp; FRAMES</b>				<b>45,923</b>



Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>08300.000 SPECIALTY DOORS</b>					
<b>08310.100 Access doors</b>					
1150	Access doors, fire rated door with lock, metal, 18" x 18"	7.00 ea	258.22 /ea		1,808
	<b>Access doors</b>				<b>1,808</b>
<b>SPECIALTY DOORS</b>					<b>1,808</b>
<b>08400.000 ENTRANCES &amp; STOREFRONTS</b>					
<b>08411.000 Aluminm framed storefront</b>					
0200	Exterior storefront system	1,606.00 sf	79.80 /sf		128,159
	<b>Aluminm framed storefront</b>				<b>128,159</b>
<b>08411.140 Aluminum doors &amp; frames</b>					
0010	Alum door & frame, including hardware per leaf incl frame	6.00 ea	4,100.00 /ea		24,600
	<b>Aluminum doors &amp; frames</b>				<b>24,600</b>
<b>08411.200 FRP with Alum Frame</b>					
0010	3'-0" FRP with Alum frame incl hardware	6.00 ea	5,093.600 /ea		30,562
	<b>FRP with Alum Frame</b>				<b>30,562</b>
<b>ENTRANCES &amp; STOREFRONTS</b>					<b>183,320</b>
<b>08500.000 WINDOWS</b>					
<b>08510.100 Borrowed Lights</b>					
0100	HM with wire glass	16.00 sf	52.98 /sf		848
	<b>Borrowed Lights</b>				<b>848</b>
<b>08520.120 Aluminum windows</b>					
0010	Aluminum Windows - typ AW upgrade	413.00 SF	83.75 /SF		34,589
	<b>Aluminum windows</b>				<b>34,589</b>
<b>WINDOWS</b>					<b>35,436</b>
<b>08600.000 SKYLIGHTS</b>					
<b>08650.000 Oversized Skylight</b>					
0010	Barrel Vault Skylight - span b/n 10 to 12 feet - per LF	112.00 LF	990.00 /LF		110,880



Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	Oversized Skylight			110,880
<b>SKYLIGHTS</b>				<b>110,880</b>

**09253.000 GYPSUM WALL BOARD**

<b>09260.000 Gypsum board systems</b>					
0020	6" MS Dens Glass Ext - AR GWB Int - Insul - no ext finish	4,095.00	sf	11.40 /sf	46,667
0100	Partition wl,5/8",int, AR GWB,sound att, MS 3-5/8,16"oc	7,320.00	sf	10.89 /sf	79,693
<b>Gypsum board systems</b>				<b>126,359</b>	
<b>GYPSUM WALL BOARD</b>				<b>126,359</b>	

**09300.000 TILE**

<b>09310.100 Ceramic tile</b>					
0060	Ceramic tile, thin set on concrete, 2" x 2" matt	1,054.00	SF	10.041 /SF	10,583
0066	Ceramic Tile - wall - 4" x 4" -	1,666.00	SF	12.50 /SF	20,825
0700	Ceramic tile, cove base, 2" x 2"	310.00	lf	13.094 /lf	4,059
<b>Ceramic tile</b>				<b>35,467</b>	
<b>TILE</b>				<b>35,467</b>	

**09500.100 CEILINGS**

<b>09500.600 Drywall Soffits</b>					
020	Soffit GWB	1,402.00	SF	15.092 /SF	21,159
050	Curved Soffit GWB - per SF	2,120.00	SF	16.75 /SF	35,510
<b>Drywall Soffits</b>				<b>56,669</b>	
<b>09510.760 Suspend ceilings,complete</b>					
0102	Suspended clgs,compl spnsn sys,2' x 2', Standard	3,777.00	sf	4.133 /sf	15,610
0210	Suspended clgs,compl spnsn sys,2' x 2', Metal CT	3,136.00	sf	10.20 /sf	31,987
<b>Suspend ceilings,complete</b>				<b>47,598</b>	
<b>CEILINGS</b>				<b>104,267</b>	

**09600.000 Flooring**

<b>09658.100 Resilient flooring</b>					
0110	Resilient, color group C & D Sub	400.00	sf	3.27 /sf	1,306
0120	Cove Base	742.00	lf	1.584 /lf	1,175



Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>09658.100</b>	<b>Resilient flooring</b>				
6300	Resilient, rubber, tile, special tile, recycled	6,400.00 sf	9.49 /sf		60,736
	<b>Resilient flooring</b>				<b>63,217</b>
<b>09680.920</b>	<b>Concrete Floor Sealer</b>				
010	Sealed Concrete	202.00 sf	1.42 /sf		286
	<b>Concrete Floor Sealer</b>				<b>286</b>
	<b>Flooring</b>				<b>63,504</b>
<b>09700.000</b>	<b>WALL FINISHES</b>				
<b>09770.000</b>	<b>Special wall surfaces</b>				
0020	Protective wall covering	3,192.00 sf	9.50 /sf		30,324
	<b>Special wall surfaces</b>				<b>30,324</b>
	<b>WALL FINISHES</b>				<b>30,324</b>
<b>09900.000</b>	<b>PAINTS &amp; COATINGS</b>				
<b>09910.000</b>	<b>Paints &amp; coatings</b>				
50	Paint Bucks	23.00 ea	71.68 /ea		1,649
102	Paint Ceiling - exposed structure	228.00 sf	1.053 /sf		240
103	Paint Ceiling - exposed ductwork	500.00 sf	2.53 /sf		1,265
0105	Paint new GWB	14,100.00 sf	1.133 /sf		15,975
	<b>Paints &amp; coatings</b>				<b>19,129</b>
	<b>PAINTS &amp; COATINGS</b>				<b>19,129</b>
<b>10150.000</b>	<b>Toilet Partit &amp; CUBICLES</b>				
<b>10155.000</b>	<b>Toilet compartments</b>				
110	Toilet Partitions Floor Mtd OH Braced	4.00 each	3,831.52 /each		15,326
120	Toilet Partitions Floor Mtd OH Braced Handicap	4.00 each	4,424.00 /each		17,696
130	Urinal Screen	2.00 ea	550.97 /ea		1,102
	<b>Toilet compartments</b>				<b>34,124</b>
	0.80 Labor hours				
	<b>Toilet Partit &amp; CUBICLES</b>				<b>34,124</b>
	0.80 Labor hours				
<b>10400.000</b>	<b>IDENTIFICATION DEVICES</b>				
<b>10420.000</b>	<b>Interior Signage</b>				



Item	Description	Takeoff Qty		Unit Cost	Total Amount
<b>10420.000</b>	<b>Interior Signage</b>				
0100	Room & Capacity Plaques HC300G	25.00	EA	45.00 /EA	1,125
	<b>Interior Signage</b>				<b>1,125</b>
<b>10430.200</b>	<b>Exterior signage</b>				
0110	Exterior Signs - Custom - Fritted Logo	1.00	ea	4,200.00 /ea	4,200
0120	Exterior Signs - custom - DMV - internal illum	18.00	ea	2,300.00 /ea	41,400
	<b>Exterior signage</b>				<b>45,600</b>
	<b>IDENTIFICATION DEVICES</b>				<b>46,725</b>
<b>10500.000</b>	<b>Lockers</b>				
<b>10505.500</b>	<b>Lockers</b>				
0020	LOCKERS steel, baked enamel, 60" or 72", single tier, sub	10.00	EA	185.36 /EA	1,854
	<b>Lockers</b>				<b>1,854</b>
	<b>Lockers</b>				<b>1,854</b>
<b>10530.000</b>	<b>PROTECTIVE COVERS</b>				
<b>10535.200</b>	<b>Canopies</b>				
0016	Canopies, soffit overhang - per SF	65.00	SF	58.00 /SF	3,770
	<b>Canopies</b>				<b>3,770</b>
	<b>PROTECTIVE COVERS</b>				<b>3,770</b>
<b>10800.000</b>	<b>TLT/BTH/LNDRY ACCESSORIES</b>				
<b>10820.100</b>	<b>Bath accessories</b>				
0010	Bathroom accessories, per Lav	6.00	ea	338.80 /ea	2,033
0020	Bathroom accessories, per WC H/C	6.00	ea	400.40 /ea	2,402
0030	Bathroom accessories, per WC	4.00	ea	104.72 /ea	419
	<b>Bath accessories</b>				<b>4,854</b>
	<b>TLT/BTH/LNDRY ACCESSORIES</b>				<b>4,854</b>
<b>12300.000</b>	<b>Casework</b>				
<b>12310.750</b>	<b>Casework</b>				
6050	Base & Upper with countertop - in Pantry	13.00	lf	369.60 /lf	4,805



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			Unit Cost	Amount
	<b>Casework</b>			<b>4,805</b>
	<b>Casework</b>			<b>4,805</b>
<b>12690.000</b>	<b>Entrance &amp; Walkoff Mats</b>			
<b>12690.100</b>	<b>Entrance Mats</b>			
0100	Entrance Mat with alum frame	81.00 sf	28.34 /sf	2,295
	<b>Entrance Mats</b>			<b>2,295</b>
	<b>Entrance &amp; Walkoff Mats</b>			<b>2,295</b>
<b>13850.000</b>	<b>DETECTION &amp; ALARM</b>			
<b>13851.065</b>	<b>Detection systems</b>			
3610	Detection systems, fire alarm control panel	1.00 ea	12,000.00 /ea	12,000
3620	Detection systems, fire alarm - zone monitoring addressible	11.00 ea	700.00 /ea	7,700
3624	Detection systems, fire alarm - remote annun	1.00 ea	3,500.00 /ea	3,500
3630	Detection systems, fire alarm - heat detector	2.00 ea	275.00 /ea	550
3640	Detection systems, fire alarm - smoke detector	34.00 ea	260.00 /ea	8,840
3644	Detection systems, fire alarm - smoke detector - duct mounted	4.00 ea	540.00 /ea	2,160
3650	Detection systems, fire alarm - pull station	7.00 ea	350.00 /ea	2,450
3654	Detection systems, fire alarm - horn/strobe unit	11.00 ea	480.00 /ea	5,280
3660	Detection systems, fire alarm - strobe unit	13.00 ea	370.00 /ea	4,810
3670	Detection systems, fire alarm - strobe unit - WP	2.00 ea	425.00 /ea	850
3675	Detection systems, fire alarm - connection to FP System	5.00 ea	390.00 /ea	1,950
3680	Detection systems, fire alarm - rated cable	5,980.00 LF	3.60 /LF	21,528
3690	Detection systems, fire alarm - 3/4" conduit	2,990.00 LF	7.60 /LF	22,724
	<b>Detection systems</b>			<b>94,342</b>
	<b>DETECTION &amp; ALARM</b>			<b>94,342</b>
<b>15000.000</b>	<b>Mechanical - SF Models</b>			
<b>15000.020</b>	<b>Plumbing</b>			



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Item	Description	Takeoff Qty		Total	
				Unit Cost	Amount
<b>15000.020</b>	<b>Plumbing</b>				
2128	Plumbing by Fixture - renovation / floor drain	9.00	EA	952.00 /EA	8,568
	<b>Plumbing</b>				<b>8,568</b>
<b>15000.030</b>	<b>HVAC SF Models</b>				
9994	Dampers (F&S), MODs, Access doors	1.00	LS	6,500.00 /LS	6,500
	<b>HVAC SF Models</b>				<b>6,500</b>
<b>Mechanical - SF Models</b>					<b>15,068</b>
<b>15000.100</b>	<b>PIPING SYSTEMS</b>				
<b>15003.110</b>	<b>Piping Systems</b>				
0200	Gas Piping - interior - 2" - AG	140.00	LF	19.404 /LF	2,717
0202	Gas Piping - interior - 2 1/2" - AG	60.00	LF	21.00 /LF	1,260
0210	Gas Piping - interior - 2" - UG	13.00	LF	24.50 /LF	319
0300	Gas Piping - interior - 4"	40.00	LF	42.50 /LF	1,700
0500	Gas Piping - valves	1.00	LS	1,500.00 /LS	1,500
0750	Gas Piping - connection to eq	4.00	EA	750.00 /EA	3,000
	<b>Piping Systems</b>				<b>10,495</b>
<b>15003.160</b>	<b>Domestic Water Piping</b>				
0010	Domestic Water Pipe - 2.5" UG	24.00	LF	45.00 /LF	1,080
0020	Domestic Water Pipe - excavation for UG	644.00	LF	18.00 /LF	11,592
0030	2.5" AG - L Copper -	24.00	LF	36.00 /LF	864
0040	2" AG - L Copper -	277.00	LF	34.00 /LF	9,418
0050	1.5" AG - L Copper -	21.00	LF	30.00 /LF	630
0060	1.25" AG - L Copper -	40.00	LF	28.00 /LF	1,120
0070	1" AG - L Copper	87.00	LF	27.50 /LF	2,393
0080	3/4" AG - L Copper	290.00	LF	24.00 /LF	6,960
0090	1/2" AG - L Copper	16.00	LF	22.50 /LF	360
0100	Valves	12.00	EA	450.00 / EA	5,400
0110	Insulation	1,080.00	LF	11.25 /LF	12,150
0120	2.5" RPZ assembly	1.00	EA	3,250.00 /EA	3,250
0200	Wall hydrant	4.00	EA	325.00 /EA	1,300
	<b>Domestic Water Piping</b>				<b>56,517</b>
<b>15003.170</b>	<b>Sanitary Waste &amp; Vent Pip</b>				
0010	Clean Out - Wall	16.00	EA	500.00 /EA	8,000
0020	Clean Out - Floor	18.00	EA	550.00 /EA	9,900
0100	4" AG Pipe	73.00	LF	40.00 /LF	2,920
0110	2" AG Pipe	204.00	LF	32.00 /LF	6,528
0120	1-1/2" AG Pipe	160.00	LF	28.00 /LF	4,480
0200	Vent thru Roof	4.00	EA	525.00 /EA	2,100
	<b>Sanitary Waste &amp; Vent Pip</b>				<b>33,928</b>
<b>15003.180</b>	<b>Radon Piping</b>				
0010	Radon venting - under slab	9,284.00	SF	1.10 /SF	10,212



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				Unit Cost	Amount
<b>Radon Piping</b>					<b>10,212</b>
<b>15030.201</b>	<b>No-Hub Pipe</b>				
25	No-Hub Pipe 4"	370.00	Inft	34.00 /Inft	12,580
35	No-Hub Pipe 6"	150.00	Inft	37.00 /Inft	5,550
40	No-Hub Pipe 8"	145.00	Inft	53.33 /Inft	7,733
0003	No-Hub Pipe 3" - AG	175.00	Inft	27.00 /Inft	4,725
0010	No-Hub Pipe 4" - AG	230.00	Inft	29.50 /Inft	6,785
0020	No-Hub Pipe 5" - AG	50.00	Inft	34.00 /Inft	1,700
0030	No-Hub Pipe 6" - AG	20.00	Inft	39.00 /Inft	780
<b>No-Hub Pipe</b>					<b>39,853</b>
	25.09 Labor hours				
<b>PIPING SYSTEMS</b>					<b>151,005</b>
	25.09 Labor hours				
<b>15040.100</b>	<b>COPPER PIPE</b>				
<b>15040.102</b>	<b>Copper Tube Hard</b>				
0100	2 1/2" Dia Copper Water Service	10.00	lf	45.00 /lf	450
<b>Copper Tube Hard</b>					<b>450</b>
<b>COPPER PIPE</b>					<b>450</b>
<b>15260.000</b>	<b>INSULATION</b>				
<b>15290.010</b>	<b>Duct Insulation Exterior</b>				
20	Duct Exterior insulation 2"	1,481.00	sqft	3.39 /sqft	5,018
<b>Duct Insulation Exterior</b>					<b>5,018</b>
<b>15290.015</b>	<b>Duct Insulation Interior</b>				
10	Duct Interior Insulation 1"	3,650.00	sqft	4.57 /sqft	16,662
<b>Duct Insulation Interior</b>					<b>16,662</b>
<b>INSULATION</b>					<b>21,680</b>
<b>15400.050</b>	<b>Fire Protection</b>				
<b>15400.052</b>	<b>Sprinkler - Piping</b>				
0010	4" Main piping	325.00	LF	65.00 /LF	21,125
0100	2" Drain piping	7.00	LF	51.00 /LF	357
0200	Siamese Connection	2.00	EA	1,050.00 /EA	2,100
<b>Sprinkler - Piping</b>					<b>23,582</b>
<b>15400.054</b>	<b>Sprinkler - Valves, etc</b>				
0010	4" FCVA	1.00	EA	3,400.00 /EA	3,400
0020	4" DCDA	1.00	EA	5,200.00 /EA	5,200
0030	4" Check Valve	2.00	EA	650.00 /EA	1,300
0100	Engineering & Calculations	8,900.00	SF	2.25 /SF	20,025

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>15400.054</b>	<b>Sprinkler - Valves, etc</b>				
0110	Tag, test, etc	8,900.00 SF	0.75 /SF		6,675
	<b>Sprinkler - Valves, etc</b>				<b>36,600</b>
<b>15400.058</b>	<b>Sprinkler - Heads</b>				
0010	Upright Sprinkler Head	6.00 EA	265.00 /EA		1,590
0020	Concealed Sprinkler Head	101.00 EA	250.00 /EA		25,250
0030	Exposed Head - ordinary hazard	14.00 EA	235.00 /EA		3,290
0040	Sidewall Head - ordinary hazard	2.00 EA	235.00 /EA		470
0100	Seismic considerations	1.00 LS	4,500.00 /LS		4,500
	<b>Sprinkler - Heads</b>				<b>35,100</b>
<b>Fire Protection</b>					<b>95,282</b>
<b>15400.100</b>	<b>PLUMBING</b>				
<b>15410.100</b>	<b>Roof Drainage</b>				
0014	Roof Drain w/o overflow	11.00 ea	924.00 /ea		10,164
	<b>Roof Drainage</b>				<b>10,164</b>
<b>15410.200</b>	<b>Carriers/supports</b>				
9100	Supports/carrier, water cooler (elec), fl mtd, pl type w/ brg pl, sgl	3.00 ea	253.17 /ea		760
	<b>Carriers/supports</b>				<b>760</b>
<b>15411.700</b>	<b>Urinals</b>				
3120	Urinals, wall hung, vitreous china, hanger & self-closing valve,blowou	2.00 ea	1,370.00 /ea		2,740
	<b>Urinals</b>				<b>2,740</b>
<b>15413.900</b>	<b>Water cooler</b>				
0180	Water cooler, wall mounted, non-recessed	3.00 ea	1,016.69 /ea		3,050
	<b>Water cooler</b>				<b>3,050</b>
<b>15440.010</b>	<b>Water Closets</b>				
20	Water Closet- Wall Mount	10.00 ea	1,493.00 /ea		14,930
	<b>Water Closets</b>				<b>14,930</b>
	10.00 Labor hours				
<b>15440.030</b>	<b>Lavatory Cabinet</b>				
10	Lavatory- Wall Hung	11.00 ea	823.80 /ea		9,062
1010	Lavatory- Water Faucet	11.00 ea	340.72 /ea		3,748
	<b>Lavatory Cabinet</b>				<b>12,810</b>
	25.50 Labor hours				
<b>15440.060</b>	<b>Service Sinks</b>				
40	Sink- Floor Mop	1.00 ea	1,176.58 /ea		1,177
110	P4 - Pantry Sink	1.00 ea	176.58 /ea		177



**Standard Estimate Report**  
*Sample Project*

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<b>Service Sinks</b>			<b>1,353</b>
	9.00 Labor hours			
<b>15440.100</b>	<b>Water Heaters</b>			
0010	Water Heater - 1 KW point of use	5.00 ea	850.00 /ea	4,250
1002	Water Heater-Commercial Gas	1.00 ea	1,800.43 /ea	1,800
	<b>Water Heaters</b>			<b>6,050</b>
	0.50 Labor hours			
<b>15440.240</b>	<b>Pumps,prssr boostr system</b>			
0010	Circulator Pump	1.00 ea	1,535.40 /ea	1,535
	<b>Pumps,prssr boostr system</b>			<b>1,535</b>
<b>PLUMBING</b>				<b>53,392</b>
	45.00 Labor hours			
<b>15600.000</b>	<b>REFRIGERATION EQUIPMENT</b>			
<b>15670.300</b>	<b>Condensing units</b>			
0010	Condensing units, refridgerant piping	60.00 LF	50.00 /LF	3,000
	<b>Condensing units</b>			<b>3,000</b>
<b>REFRIGERATION EQUIPMENT</b>				<b>3,000</b>
<b>15700.000</b>	<b>HTNG/V/ CONDTNG EQUIPMENT</b>			
<b>15705.100</b>	<b>HVAC Eq</b>			
0010	AC-1 Packaged DX AC 7000 CFM	1.00 ea	18,550.00 /ea	18,550
0020	AC-2 Packaged DX AC 4000 CFM	1.00 ea	11,500.00 /ea	11,500
0024	AC-3 Packaged DX AC 4000 CFM	1.00 ea	11,500.00 /ea	11,500
0038	ASC-1 Split Unit 1800 CFM	1.00 ea	5,500.00 /ea	5,500
0040	ECUH 1-4 Elec CUH 250 FCM, 3 kw	7.00 ea	2,300.00 /ea	16,100
0044	EUH 1 Elec unit heater 350 CFM, 3 kw	1.00 ea	1,200.00 /ea	1,200
1000	VAV 1 or 2 -	2.00 ea	700.00 /ea	1,400
1010	VAV 3/4	2.00 ea	750.00 /ea	1,500
1020	VAV 5/6	2.00 ea	1,150.00 /ea	2,300
1030	VAV 7	1.00 ea	500.00 /ea	500
2000	Fin Tube - Electric - per LF	58.00 LF	47.00 /LF	2,726
3000	Exhaust Fans	1.00 LS	6,700.00 /LS	6,700
----	VAV-BP-AC2-2290 cfm	1.00 ea	1,125.00 /ea	1,125
----	VAV-BP-AC3-2240 cfm	1.00 ea	1,075.00 /ea	1,075
	<b>HVAC Eq</b>			<b>81,676</b>
<b>HTNG/V/ CONDTNG EQUIPMENT</b>				<b>81,676</b>



Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>15800.000 AIR DISTRIBUTION</b>					
<b>15810.600</b>					
0160	Ductwork, fab rect, incl ftngs, alum, alloy 3003-h14, over 5,000 LB	6,474.00 lb	8.14 /lb		52,698
6870	Duct, spiral preformed, lined - 22"	50.00 LF	27.50 /LF		1,375
	<b>15810.600</b>				<b>54,073</b>
<b>AIR DISTRIBUTION</b>					<b>54,073</b>
<b>15900.000 HVAC INSTRMNTN&amp;CONTROLS</b>					
<b>15905.000 Hvac instrumentation</b>					
0056	HVAC instr controls - BAS	9,284.00 SF	6.00 /SF		55,704
	<b>Hvac instrumentation</b>				<b>55,704</b>
<b>HVAC INSTRMNTN&amp;CONTROLS</b>					<b>55,704</b>
<b>16000.000 Electrical SF Models</b>					
<b>16000.400 Electrical Site Const</b>					
2000	Underground Conduit Run - Bank A	300.00 LF	60.00 /LF		18,000
2010	Underground Conduit Run - Bank B	260.00 LF	68.00 /LF		17,680
2020	Underground Conduit Run - Bank C	40.00 LF	63.00 /LF		2,520
2030	Underground Conduit Run - Bank D	340.00 LF	54.00 /LF		18,360
	<b>Electrical Site Const</b>				<b>56,560</b>
<b>Electrical SF Models</b>					<b>56,560</b>
<b>16100.000 WIRING METHODS</b>					
<b>16132.205 Conduit</b>					
0245	Conduit and wiring - 120 V -	2,467.00 lf	7.942 /lf		19,593
0500	Conduit - 3/4" dia - lighting	5,000.00 lf	9.211 /lf		46,055
2550	Conduit to 15' H,IMC,incl 2 termn,2 elb&11 bm clp per 100',1" dia	163.00 lf	16.21 /lf		2,642
2600	Conduit to 15' H,IMC,incl 2 termn,2 elb&11 bm clp per 100',1-1/2" dia	185.00 lf	27.25 /lf		5,041
2630	Conduit to 15' H,IMC,incl 2 termn,2 elb&11 bm clp per 100',2" dia	104.00 lf	205.00 /lf		21,320



Item	Description	Takeoff Qty		Unit Cost	Total	
					Amount	
<b>16132.205</b>	<b>Conduit</b>					
5180	Conduit, to 15' H, incl 2 termn, 2 elbs & 11 bm CLP per 100', (EMT), 4" dia	60.00	lf	42.11 /lf		2,526
----	4" conduit spare	52.00	LF	7.00 /LF		364
	<b>Conduit</b>					<b>97,542</b>
<b>16140.910</b>	<b>Wiring devices</b>					
2460	Wiring device, receptacle, duplex, 120 volt, grounded, 15 amp	40.00	ea	122.05 /ea		4,882
2462	Wiring device, receptacle, duplex, 120 volt, GFI	16.00	ea	141.05 /ea		2,257
2464	Wiring device, receptacle, duplex, 120 volt, GFI, wp	12.00	ea	172.05 /ea		2,065
2480	Wiring devices, receptacle, quad	10.00	ea	199.43 /ea		1,994
3402	Wiring device, receptacle, twist lock	5.00	ea	182.05 /ea		910
3500	Wiring devices, power connection to mod furn	15.00	ea	111.43 /ea		1,671
3600	Wiring devices, motor starter toggle switch	10.00	ea	172.042 /ea		1,720
3602	Wiring devices, lighting, switching, occ sensor	24.00	ea	187.181 /ea		4,492
	<b>Wiring devices</b>					<b>19,992</b>
<b>16150.000</b>	<b>Wiring connections</b>					
0100	120V Junction Box	34.00	ea	60.00 /ea		2,040
0455	Equip connection - by SF	7,250.00	SF	1.10 /SF		7,975
	<b>Wiring connections</b>					<b>10,015</b>
<b>WIRING METHODS</b>						<b>127,549</b>
<b>16300.000</b>	<b>Transmission and Distribu</b>					
<b>16300.100</b>	<b>MDP</b>					
0045	1600 A MDP Switchgear	1.00	ea	14,500.00 /ea		14,500
	<b>MDP</b>					<b>14,500</b>
<b>16300.200</b>	<b>Distr Panels</b>					
0100	Panel Board - 120/208 - 100 A	4.00	ea	3,600.00 /ea		14,400
0125	Panel Board - 120/208 - 125 A	1.00	ea	4,100.00 /ea		4,100
0150	Panel Board - 120/208 - 150 A	1.00	ea	5,225.00 /ea		5,225
0200	Panel Board - 120/208 - 200 A	2.00	ea	6,550.00 /ea		13,100
	<b>Distr Panels</b>					<b>36,825</b>
<b>16300.300</b>	<b>Control Panels</b>					
0100	Control Panel - Lighting - Quote	1.00	ea	840.00 /ea		840
	<b>Control Panels</b>					<b>840</b>



Item	Description	Takeoff Qty	Unit Cost	Total	Amount
<b>Transmission and Distribu</b>					<b>52,165</b>
<b>16500.000 LIGHTING</b>					
<b>16510.000 Interior luminaires</b>					
A	Interior ltg fxtr, Type A	15.00	Ea	250.00 /Ea	3,750
Ba	Interior ltg fxtr, Type Ba	16.00	Ea	215.00 /Ea	3,440
Bb	Interior ltg fxtr, Type Bb	11.00	Ea	225.00 /Ea	2,475
Bc	Interior ltg fxtr, Type Bc	5.00	Ea	240.00 /Ea	1,200
C	Interior ltg fxtr, Type C	14.00	Ea	175.00 /Ea	2,450
D	Interior ltg fxtr, Type D	14.00	Ea	180.00 /Ea	2,520
E1	Interior ltg fxtr, Type E1	14.00	Ea	298.00 /Ea	4,172
F	Interior ltg fxtr, Type F	35.00	Ea	305.00 /Ea	10,675
G	Interior ltg fxtr, Type G	4.00	Ea	400.00 /Ea	1,600
G1	Interior ltg fxtr, Type G1	1.00	Ea	420.00 /Ea	420
H	Interior ltg fxtr, Type H	14.00	Ea	185.00 /Ea	2,590
J	Interior ltg fxtr, Type J	12.00	Ea	192.00 /Ea	2,304
K	Interior ltg fxtr, Type K	14.00	Ea	180.00 /Ea	2,520
L00	Interior ltg fxtr, Type L	4.00	Ea	190.00 /Ea	760
<b>Interior luminaires</b>					<b>40,876</b>
<b>16520.300 Exterior fixtures</b>					
0100	Exterior Site Lighting - Pole Mounted - single head	25.00	ea	4,750.00 /ea	118,750
0102	Exterior Site Lighting - Pole Mounted - double head	9.00	ea	6,250.00 /ea	56,250
0104	Exterior Site Lighting - Bollard Fixture	9.00	ea	3,500.00 /ea	31,500
0106	Exterior Site Lighting - conduit feeds	3,010.00	LF	11.25 /LF	33,863
<b>Exterior fixtures</b>					<b>240,363</b>
<b>16530.320 Exit and emrgncy lighting</b>					
0200	Exit & emer ltg, exit light clg or wall mount, L.E.D. std.	11.00	ea	365.31 /ea	4,018
<b>Exit and emrgncy lighting</b>					<b>4,018</b>
<b>LIGHTING</b>					<b>285,257</b>

**16700.000 COMMUNICATIONS**

<b>16720.000 Tel and intrcmm equipment</b>					
0010	Telephone - main system with rack	1.00	ea	3,500.00 /ea	3,500
0100	Outlet - 2 D/1V - combo box	58.00	ea	295.00 /ea	17,110
0110	Outlet - 2 D/1V - combo box -in mod furnt	14.00	ea	365.00 /ea	5,110
0120	Feed - to mod furn	13.00	ea	325.00 /ea	4,225
0130	Outlet - wall mtd - phone only	6.00	ea	115.00 /ea	690
0200	Dist - 3/4" conduit -commun - fls	1,716.00	LF	9.25 /LF	15,873

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
<b>16720.000</b>	<b>Tel and intrcmm equipment</b>				
0210	Dist - rated cable - comm	3,088.00	LF	4.15 /LF	12,815
	<b>Tel and intrcmm equipment</b>				<b>59,323</b>
<b>COMMUNICATIONS</b>					<b>59,323</b>
<b>16800.000</b>	<b>SOUND &amp; VIDEO</b>				
<b>16820.840</b>	<b>Sound system</b>				
0400	Sound system, components, speakers, ceiling or wall	10.00	ea	200.604 /ea	2,006
0410	Sound system, wiring - in conduit	1,005.00	LF	7.85 /LF	7,889
	<b>Sound system</b>				<b>9,895</b>
<b>16850.600</b>	<b>T.v. systems</b>				
0010	TV sys, master TV - wiring - rated cable	1,170.00	LF	2.25 /LF	2,633
0020	TV sys, master TV - wiring - related 3/4" conduit	1,170.00	LF	8.90 /LF	10,413
	<b>T.v. systems</b>				<b>13,046</b>
<b>SOUND &amp; VIDEO</b>					<b>22,941</b>



Estimate Totals

Description	Amount	Totals	Rate	Cost per Unit	Percent of Total
Labor	238,825			12.893 /SF	4.80%
Material	364,890			19.698 /SF	7.34%
Subcontract	3,652,128			197.157 /SF	73.44%
Equipment	99			0.005 /SF	0.00%
Other					
	<b>4,255,942</b>	<b>4,255,942</b>		<b>229.753 /SF</b>	<b>85.58 85.58%</b>
Overhead	425,594		10.000 %	22.975 /SF	8.56%
Profit	255,357		6.000 %	13.785 /SF	5.14%
Performance & Payment Bond	35,903			1.938 /SF	0.72%
<b>Total</b>		<b>4,972,796</b>		<b>268.452 /SF</b>	