

PROJECT: North Island Building 36 Renovation
 DACA21-01-0023-CM04
 North Island Naval Air Station, California
 North Island Naval Air Station, CA

OWNER
 Department of the Army
 Corps of Engineers
 Sacramento District

CONTRACTOR

DESIGNER
 Trans Systems
 180 Grand Avenue, Suite 400
 Oakland, CA 94612

Project Number: ver-01-05

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	10.00%	Overhead:	0.00%
		Bond:	0.00%		

Cubic Footage: 1,995,000 Square Footage: 79,800

Assemblies

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>General Requirements - 1A</i>										
	01A									
.01290 800 0010	Taxes, state, average	1.0	%	0	\$0	\$0	\$287,645	\$287,645	287,645.09	3.60
.01310 150 0100	Permits	1.0	Job	0	\$0	\$0	\$117,348	\$117,348	117,348.00	1.47
.01310 200 0100	Performance Bond	1.0	Job	0	\$0	\$0	\$78,232	\$78,232	78,232.00	0.98
.01310 350 0250	All-risk Insurance, maximum	1.0	Job	0	\$0	\$0	\$156,464	\$156,464	156,464.00	1.96
.01310 400 0150	Main Office Expense, average for General Contractors as a percentage of annual volume, annual volume up to 4.0 million dollars	1.0	% Vol.	0	\$0	\$0	\$250,342	\$250,342	250,342.40	3.14
.01310 700 0280	Field Personnel, superintendent, maximum	28.0	Week	0	\$125,230	\$0	\$0	\$125,230	4,472.51	1.57
.01450 500 0020	Field Testing, for concrete building, costing \$1,000,000, maximum	1.0	Project	0	\$0	\$0	\$2,794	\$2,794	2,794.00	0.04
.01510 050 0040	Temporary electrical power equipment (pro-rated per job), overhead feed, 3 uses, 200 amp	1.0	Ea.	8	\$849	\$1,201	\$0	\$2,050	2,050.05	0.03
.01510 050 0210	Temporary electrical power equipment (pro-rated per job), transformers, 3 uses, 30 KVA	1.0	Ea.	8	\$849	\$971	\$0	\$1,820	1,819.55	0.02
.01510 050 0890	Temporary electrical power equipment (pro-rated per job), connections, office trailer, 200 amp	1.0	Ea.	4	\$424	\$859	\$0	\$1,283	1,283.47	0.02
.01510 800 0650	Temporary Utilities, power for job duration, incl. elevator, etc, max	300.0	CSF Flr	0	\$0	\$0	\$553	\$553	1.84	0.01
.01520 500 0250	Office Trailer, furnished, rent per month, 20' x 8', excl. hookups	7.0	Ea.	0	\$0	\$1,838	\$0	\$1,838	262.64	0.02
.01520 500 0700	Office Trailer, excl. hookups, air conditioning, rent per month, add	7.0	Ea.	0	\$0	\$474	\$0	\$474	67.75	0.01
.01520 500 1250	Storage Boxes, rent per month, 20' x 8'	7.0	Ea.	0	\$0	\$890	\$0	\$890	127.13	0.01
.01520 550 0120	Field Office Expense, office supplies, average	7.0	Month	0	\$0	\$1,007	\$0	\$1,007	143.89	0.01
.01520 550 0140	Field Office Expense, telephone bill; avg. bill/month, incl. long dist.	7.0	Month	0	\$0	\$2,455	\$0	\$2,455	350.65	0.03

GENERAL CONTRACTOR ADJUSTMENTS

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<i>General Requirements - 1A</i>		01A									
.01520 550 0160	Field Office Expense, field office lights & HVAC	7.0	Month	0	\$0	\$1,134	\$0	\$1,134	162.05	0.01	
.01530 900 0100	Winter Protection, reinforced plastic on wood, incl. framing to close openings	500.0	S.F.	11	\$734	\$328	\$0	\$1,062	2.12	0.01	
.01540 750 0090	Scaffolding, steel tubular, reg. rent, 1 use/mo, erect or dismantle, bldg ext, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	50.0	C.S.F.	50	\$4,415	\$2,096	\$0	\$6,511	130.21	0.08	
.01540 750 2850	Scaffolding, steel tubular, regular, accessory, plank, rent/mo, 2" x 10" x 16' L	20.0	Ea.		\$0	\$172	\$0	\$172	8.59	0.00	
.01560 250 0100	Temporary Fencing, chain link, 8' high, 11 ga	2,477.0	L.F.	131	\$9,260	\$18,383	\$0	\$27,644	11.16	0.35	
.01580 700 0010	Project Signs, sign, Hi-intensity reflectorized, buy, excl. posts	32.0	S.F.	2	\$80	\$894	\$0	\$974	30.45	0.01	
.01590 200 0400	Rent backhoe-loader 40 to 45 HP 5/8 CY capacity	10.0	Day	0	\$0	\$0	\$2,584	\$2,584	258.45	0.03	
.02220 350 0840	Rubbish handling, dumpster, 40 C.Y., 13 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	15.0	Week	0	\$0	\$0	\$19,383	\$19,383	1,292.23	0.24	
SUBTOTAL <i>General Requirements - 1A</i>				214				\$1,089,891		13.66	
<i>Sitework - Demolition</i>		02A									
.01540 750 0090	Scaffolding, steel tubular, reg. rent, 1 use/mo, erect or dismantle, bldg ext, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	50.0	C.S.F.	50	\$4,415	\$2,096	\$0	\$6,511	130.21	0.08	
.01540 750 0460	Scaffolding, steel tubular, reg. rent, 1 use/mo, erect or dismantle, bldg interior, wall face, 6'-4" x 5' frames, up to 16' H, excl. planks	20.0	C.S.F.	19	\$1,697	\$838	\$0	\$2,535	126.77	0.03	
.01590 400 0160	Shed Demo - Rent aerial lift to 25'high 2000 lb cap scissor type	5.0	Day	0	\$0	\$0	\$458	\$458	91.50	0.01	
.01590 400 0160	Mezz Demo - Rent aerial lift to 25'high 2000 lb cap scissor type	2.0	Day	0	\$0	\$0	\$183	\$183	91.50	0.00	
.015906002550	Demo shaft structures - Rent crane truck mounted, hydraulic	2.0	Week	0	\$0	\$0	\$5,658	\$5,658	2,828.93	0.07	
.02220 110 0050	Shed Demo - General	35,910.0	C.F.	144	\$10,705	\$0	\$7,525	\$18,230	0.51	0.23	
.02220 110 0080	Clear out Debris	3,500.0	C.F.	11	\$803	\$0	\$587	\$1,390	0.40	0.02	
.02220 130 0240	Shed Demo - Footings and foundations demolition, floors, concrete slab on grade, plain concrete, 4" thick	1,995.0	S.F.	160	\$10,753	\$0	\$920	\$11,673	5.85	0.15	
.02220 130 0240	Demo shaft structures - Footings and foundations demolition, floors, concrete slab on grade, plain concrete, 4" thick	216.0	S.F.	17	\$1,164	\$0	\$100	\$1,264	5.85	0.02	
.02220 130 1000	Shed Demo - Footings and foundations demolition, footings, concrete, 1' thick, 2' wide	253.0	L.F.	47	\$3,424	\$0	\$1,117	\$4,541	17.95	0.06	

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Assemblies

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<i>Sitework - Demolition</i>										
	02A									
.02220 130 1000	Demo shaft structures - Footings and foundations demolition, footings, concrete, 1' thick, 2' wide	108.0	L.F.	20	\$1,461	\$0	\$477	\$1,938	17.95	0.02
.02220 220 1760	Crane Demo - Rail removal demolition	700.0	L.F.	22	\$1,477	\$0	\$0	\$1,477	2.11	0.02
.02220 240 1000	Minor site demolition, masonry walls, block or tile, solid, remove, excludes hauling	2,900.0	C.F.	90	\$6,585	\$0	\$2,107	\$8,692	3.00	0.11
.02220 310 0600	Cutout demolition, walls, non-reinforced concrete, under 6 C.F., cut out and break up	12.7	C.F.	8	\$571	\$0	\$49	\$620	48.68	0.01
.02220 310 2040	Demo Wainscotting - Cutout demolition, brick, opening, to 4 S.F., 4" thick, excludes toothing	360.0	Ea.	480	\$32,202	\$0	\$2,766	\$34,968	97.13	0.44
.02220 310 3000	Cutout demolition, toothing masonry cutouts, brick, soft old mortar, 6", remove	14.0	V.L.F.	3	\$181	\$0	\$0	\$181	12.96	0.00
.02220 310 3000	Demo Wainscotting - Cutout demolition, toothing masonry cutouts, brick, soft old mortar, 6", remove	150.0	sf	30	\$1,032	\$0	\$0	\$1,032	6.88	0.01
.02220 350 0840	Rubbish handling, dumpster, 40 C.Y., 13 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	4.0	Week	0	\$0	\$0	\$5,169	\$5,169	1,292.23	0.06
.02220 350 3080	Rubbish handling, loading & trucking, machine loading truck, includes 2 mile haul, cost to be added to demolition cost.	155.0	C.Y.	41	\$2,897	\$0	\$990	\$3,887	25.08	0.05
.02220 350 5100	Rubbish handling, over 8 C.Y. truck, loading & trucking, haul, per mile, includes 2 mile haul, cost to be added to demolition cost.	155.0	C.Y.	1	\$57	\$0	\$69	\$126	0.81	0.00
.02220 360 5020	Saw cutting, wood sheathing, on roof, to 1" thick	1,390.0	L.F.	44	\$3,762	\$0	\$0	\$3,762	2.71	0.05
.02220 370 0020	Crane Demo - Torch cutting, steel, 1" thick plate	95.0	L.F.	2	\$139	\$31	\$0	\$170	1.79	0.00
.02220 370 0020	Mezz Demo - Torch cutting, steel, 1" thick plate	21.0	L.F.	0	\$31	\$7	\$0	\$38	1.79	0.00
.02220 370 0040	Crane Demo - Torch cutting, steel, bar, 1" diameter	100.0	Ea.	4	\$252	\$0	\$0	\$252	2.52	0.00
.02220 370 0040	Mezz Demo - Torch cutting, steel, bar, 1" diameter	20.0	Ea.	1	\$50	\$0	\$0	\$50	2.52	0.00
.03055 110 1680	Ramp - Framing demolition, concrete, average reinforcing, slabs, elevated	1,544.0	S.F.	171	\$12,749	\$0	\$971	\$13,719	8.89	0.17
.05060 110 2000	Crane Demo - Framing demolition, structural steel beams	1,260.0	L.F.	141	\$9,219	\$0	\$2,271	\$11,489	9.12	0.14
.05060 110 2000	Enclose Edge of Platform - Framing demolition, structural steel	145.0	L.F.	16	\$1,061	\$0	\$261	\$1,322	9.12	0.02
.05060 110 2020	Demo shaft structures - Framing demolition, structural steel beams	648.0	L.F.	91	\$5,915	\$0	\$1,457	\$7,373	11.38	0.09
.05060 110 2200	Demo shaft structures - Framing demolition, structural steel columns	560.0	L.F.	78	\$5,112	\$0	\$1,260	\$6,372	11.38	0.08

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ver-01-05

Assemblies

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		02A									
.05060 110 2200	.Mezz Demo - Framing demolition, structural steel columns	90.0	L.F.	13	\$822	\$0	\$202	\$1,024	11.38	0.01	
.05060 110 2280	.Crane Demo - Framing demolition, structural steel columns	950.0	L.F.	166	\$10,829	\$0	\$2,668	\$13,497	14.21	0.17	
.05060 110 2400	.Mezz Demo - Framing demolition, structural steel frame	300.0	L.F.	75	\$4,851	\$0	\$1,199	\$6,050	20.17	0.08	
.05060 110 2440	.Crane Demo - Framing demolition, structural steel girders,	700.0	L.F.	196	\$12,764	\$0	\$3,139	\$15,903	22.72	0.20	
.05090 920 0100	.Crane Demo - Cutting, steel, to 1/2" thick, by hand, incl prep, torch cutting & grinding, excl staging	240.0	L.F.	6	\$545	\$0	\$94	\$639	2.66	0.01	
.05090 920 0100	.Mezz Demo - Cutting, steel, to 1/2" thick, by hand, incl prep, torch cutting & grinding, excl staging	50.0	L.F.	1	\$114	\$0	\$20	\$133	2.66	0.00	
.06052 120 3140	.Demo Strap, Coverplate ect.	150.0	L.F.	10	\$802	\$0	\$0	\$802	5.34	0.01	
.07060 110 1350	.Roofing and siding demolition, deck, roof, plywood, to 1" thick	1,950.0	S.F.	16	\$1,116	\$0	\$0	\$1,116	0.57	0.01	
.07060 110 1360	.Roofing and siding demolition, flashing, aluminum	3,684.0	S.F.	103	\$7,377	\$0	\$0	\$7,377	2.00	0.09	
.07060 110 1360	.Skirt around door hood and endwall cover - Roofing and siding demolition, flashing, aluminum	320.0	S.F.	9	\$641	\$0	\$0	\$641	2.00	0.01	
.07060 110 2000	.Roofing and siding demolition, gutters, aluminum or wood, edge hung	1,000.0	L.F.	33	\$2,408	\$0	\$0	\$2,408	2.41	0.03	
.07060 110 2145	.Roofing and siding demolition, downspout storm water riser, remove	19.0	Ea.	10	\$731	\$0	\$0	\$731	38.50	0.01	
.07060 110 2500	.Roofing and siding demolition, roof accessories, plumbing vent flashing	20.0	Ea.	11	\$825	\$0	\$0	\$825	41.24	0.01	
.07060 110 2650	.Roofing and siding demolition, coping, sheet metal, up to 12" wide	1,228.0	L.F.	41	\$2,957	\$0	\$0	\$2,957	2.41	0.04	
.07060 110 3400	.Roofing and siding demolition, roof insulation board, to 2" thick	57,000.0	S.F.	570	\$42,127	\$0	\$0	\$42,127	0.74	0.53	
.07060 110 5000	.Roofing and siding demolition, siding, metal, horizontal	2,240.0	S.F.	40	\$2,937	\$0	\$0	\$2,937	1.31	0.04	
.08060 110 0200	.Door demolition, exterior door, single, 3' x 7' high, 1-3/4" thick, remove	3.0	Ea.	2	\$112	\$0	\$0	\$112	37.27	0.00	
.08060 110 0500	.Door demolition, interior door, single, 3' x 7' high, 1-3/8" thick, remove	1.0	Ea.	0	\$30	\$0	\$0	\$30	29.82	0.00	
.08060 110 2000	.Door demolition, door frames, metal	1.0	Ea.	1	\$95	\$0	\$0	\$95	95.18	0.00	
.08060 110 2000	.Door demolition, door frames int	1.0	Ea.	1	\$95	\$0	\$0	\$95	95.18	0.00	

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<i>Sitework - Demolition</i>		02A									
.08060 120 0200	Window demolition, aluminum, to 12 S.F. int	2.0	Ea.	1	\$75	\$0	\$0	\$75	37.27	0.00	
.08060 120 0280	Window demolition	105.0	Ea.	210	\$18,062	\$0	\$0	\$18,062	172.02	0.23	
.08060 120 2020	Remove Louver	10.0	Ea.	4	\$331	\$0	\$0	\$331	33.14	0.00	
.09060 120 2000	Flooring demolition, tile, ceramic, thin set	900.0	S.F.	22	\$1,672	\$0	\$0	\$1,672	1.86	0.02	
.09060 130 2250	Demo shaft structures - Walls and partitions demolition, metal or wood studs, finish two sides, lath and plaster	12,000.0	S.F.	1,104	\$13,252	\$0	\$0	\$13,252	1.10	0.17	
.14210 100 7100	Demo Elevators	1.0	Ea.	160	\$13,231	\$0	\$0	\$13,231	13,231.17	0.17	
.15055 600 1200	Fixture, lavatory, wall hung, remove, includes 10' piping	3.0	Ea.	2	\$255	\$0	\$0	\$255	84.86	0.00	
.15055 600 1300	Fixture, sink, steel or cast iron, single, remove	3.0	Ea.	3	\$317	\$0	\$0	\$317	105.51	0.00	
.15055 600 1400	Fixture, water closet, floor mounted, remove, includes 10' piping	3.0	Ea.	3	\$317	\$0	\$0	\$317	105.51	0.00	
.15055 600 1500	Fixture, urinal, floor mounted, remove, includes 10' piping	3.0	Ea.	6	\$636	\$0	\$0	\$636	212.16	0.01	
.15055 600 1600	Fixture, water fountain, free standing, remove, includes 10' piping	1.0	Ea.	1	\$106	\$0	\$0	\$106	105.51	0.00	
.15055 600 2000	Pipe, metal pipe, to 1-1/2" diam., remove	300.0	L.F.	12	\$1,273	\$0	\$0	\$1,273	4.24	0.02	
.15055 600 2050	Pipe, metal pipe, 2" to 3-1/2" diam., remove	30.0	L.F.	2	\$170	\$0	\$0	\$170	5.67	0.00	
.15055 600 2100	Pipe, metal pipe, 4" to 6" diam., remove	20.0	L.F.	3	\$339	\$0	\$0	\$339	16.97	0.00	
.16055 300 1100	Crane Demo Equipment Demo - Small Equipment	8.0	Ea.	5	\$495	\$0	\$0	\$495	61.93	0.01	
.16055 300 1160	Crane Demo Equipment Demo - Large equipment	4.0	Ea.	6	\$615	\$0	\$0	\$615	153.67	0.01	
.16055 300 2720	Light, exterior, 250 Watt, remove	10.0	Ea.	6	\$608	\$0	\$0	\$608	60.78	0.01	
SUBTOTAL Sitework - Demolition				4,548				\$306,329		3.84	
<i>Sitework - Landscaping/Irrigation</i>		02G									
.02840 800 1400	Parking barriers, pipe bollards, conc filled/paint, 8' L x 4' D hole, 8" diam.	2.0	Ea.	3	\$211	\$1,062	\$40	\$1,313	656.27	0.02	

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<i>Sitework - Landscaping/Irrigation</i> 02G										
SUBTOTAL <i>Sitework - Landscaping/Irrigation</i>				3				\$1,313		0.02
<i>Concrete - General/Miscellaneous</i> 03										
.03310 240 1900	.Ramp - Structural concrete, in place, elevated slab, flat slab, 125 psf superimposed load, 20' span, includes forms(4 uses), reinforcing steel, and finishing, NO SHEET S510	6.0	C.Y.	32	\$2,917	\$1,676	\$167	\$4,761	793.44	0.06
.03310 240 5210	.Ramp - Structural concrete, in place, lift slab above the foundation, minimum, includes forms(4 uses), reinforcing steel, columns and finishing, NO SHEET S510	1,544.0	S.F.	151	\$13,705	\$13,805	\$777	\$28,286	18.32	0.35
.03920 600 0150	.Patching concrete, floors, small area, epoxy grout, 1/4" thick	152.0	S.F.	12	\$1,081	\$1,094	\$0	\$2,174	14.30	0.03
.03920 600 0150	.Shed Demo - Patching concrete, floors, small area, epoxy grout, 1/4" thick	209.0	S.F.	17	\$1,486	\$1,504	\$0	\$2,990	14.30	0.04
.03920 600 0150	.Mezz Demo - Patching concrete, floors, small area, epoxy grout, 1/4" thick	6.0	S.F.	0	\$43	\$43	\$0	\$86	14.30	0.00
.03920 600 0150	.Enclose Edge of Platform - Patching concrete, floors, small area, epoxy grout, 1/4" thick, NO SHEET S510	217.5	S.F.	17	\$1,546	\$1,565	\$0	\$3,111	14.30	0.04
.03920 600 2150	.Window Openings - Patching concrete, walls, epoxy grout, includes chipping or sand blasting, average	1,482.0	S.F.	237	\$21,075	\$17,391	\$0	\$38,466	25.96	0.48
SUBTOTAL <i>Concrete - General/Miscellaneous</i>				468				\$79,873		1.00
<i>Interior Walls, Non-Load Bearing - System</i> 04S										
.04910 700 0580	.Mezz Demo - Patching, concrete, maximum, includes cleaning, chipping and epoxy, excludes scaffolding	40.2	S.F.	8	\$682	\$570	\$0	\$1,252	31.15	0.02
.04910 720 0320	.Pointing, masonry, tuck, cut and re-point, hard mortar, common bond	250.0	S.F.	26	\$2,391	\$119	\$0	\$2,510	10.04	0.03
SUBTOTAL <i>Interior Walls, Non-Load Bearing - System</i>				34				\$3,762		0.05
<i>Exterior Walls - System</i> 04U										
.04910 700 0520	.Patching, concrete, minimum, includes cleaning, chipping and epoxy, excludes scaffolding	9.4	S.F.	1	\$98	\$67	\$0	\$165	17.54	0.00
.04910 700 0540	.Patching, concrete, average, includes cleaning, chipping and epoxy, excludes scaffolding	165.0	S.F.	26	\$2,233	\$1,763	\$0	\$3,996	24.22	0.05
.04910 700 0580	.Shed Demo - Patching, concrete, maximum, includes cleaning, chipping and epoxy, excludes scaffolding	199.7	S.F.	40	\$3,389	\$2,831	\$0	\$6,220	31.15	0.08
.04910 700 0580	.Demo shaft structures - Patching, concrete, maximum, includes cleaning, chipping and epoxy, excludes scaffolding	160.8	S.F.	32	\$2,729	\$2,280	\$0	\$5,009	31.15	0.06
.04910 720 0320	.Pointing, masonry, tuck, cut and re-point, hard mortar, common bond	700.0	S.F.	73	\$6,695	\$332	\$0	\$7,027	10.04	0.09
SUBTOTAL <i>Exterior Walls - System</i>				172				\$22,417		0.28

GENERAL CONTRACTOR ADJUSTMENTS

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<i>Miscellaneous Metals</i> 05C										
.05090 340 0200	Enclose Edge of Platform - Drilling, for anchors, up to 4" D, 3/8" dia, in concrete or brick walls and floors, incl bit & layout, excl anchor	73.0	Ea.	9	\$712	\$9	\$0	\$721	9.87	0.01
.05120 300 1300	Enclose Edge of Platform - Curb edging, structural steel channel w/ anchors, on concrete forms, 11.5 plf, 8"	145.0	L.F.	21	\$1,796	\$2,502	\$69	\$4,366	30.11	0.05
.05514 500 0100	Ladder, steel, 20" W, bolted to concrete, excl cage	10.0	V.L.F.	4	\$353	\$412	\$13	\$778	77.80	0.01
.05514 500 0300	Ladder, aluminum, 20" W, bolted to concrete, incl cage - Removal and new	23.0	V.L.F.	21	\$1,920	\$3,020	\$49	\$4,990	216.96	0.06
.05520 700 0560	Railing, pipe, steel, galvanized, 2 rails, 1-1/2" dia	60.0	L.F.	12	\$1,135	\$1,538	\$40	\$2,714	45.23	0.03
.05520 700 0640	Ramp - Railing, pipe, steel, galvanized, 3 rails, 1-1/2" dia	340.0	L.F.	80	\$7,486	\$13,774	\$271	\$21,531	63.33	0.27
SUBTOTAL Miscellaneous Metals				146				\$35,100		0.44
<i>Rough Carpentry</i> 06A										
.06070 400 0800	Lumber Treatment, salt treated, oil borne, 8 lb retention	7.5	M.B.F.		\$0	\$1,802	\$0	\$1,802	240.28	0.02
.06110 100 2740	Miscellaneous wood blocking, to steel construction	5.0	M.B.F.	286	\$28,957	\$4,435	\$0	\$33,392	6,678.42	0.42
.06160 800 0100	Sheathing, on roof, CDX	1,950.0	S.F.	21	\$4,249	\$2,724	\$0	\$6,973	3.58	0.09
SUBTOTAL Rough Carpentry				307				\$42,167		0.53
<i>Finish Carpentry</i> 06B										
.06110 555 8000	Wood framing, roof curbs, untreated, 2" x 12"	1.5	M.B.F.	30	\$3,062	\$2,096	\$0	\$5,157	3,438.30	0.06
.06160 800 1800	Sheathing, with boards, on roof, laid diagonal, 1" x 8"	57,000.0	S.F.	1,254	\$128,123	\$86,796	\$0	\$214,919	3.77	2.69
SUBTOTAL Finish Carpentry				1,284				\$220,076		2.76
<i>Roofing</i> 07B										
.04810 250 0800	Aluminum coping, stock units, for 12" wall	1,228.0	L.F.	246	\$25,814	\$31,445	\$0	\$57,259	46.63	0.72
.070906002550	Rent crane truck mounted, hydraulic, 35 ton capacity	2.0	Week	0	\$0	\$0	\$5,881	\$5,881	2,940.30	0.07
.07160 500 5000	Drain, scupper	19.0	Ea.	19	\$2,444	\$4,591	\$0	\$7,034	370.22	0.09
.07220 700 1715	Polyisocyanurate Insulation, for roof decks, 1-1/2" thick, R10.87, 2#/CF density	57,000.0	S.F.	342	\$37,095	\$50,569	\$0	\$87,664	1.54	1.10

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 10.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 1,995,000 Square Footage: 79,800

Project Number:

ver-01-05

Assemblies

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>Roofing</i>										
	07B									
.07220 700 1765	Roof Deck Insulation, polyisocyanurate, tapered for drainage	2,500.0	B.F.	15	\$1,395	\$2,265	\$0	\$3,660	1.46	0.05
.07510 400 0010	Cants, treated lumber, cut diagonally, 4" x 4"	1,228.0	L.F.	31	\$3,083	\$3,987	\$0	\$7,069	5.76	0.09
.07510 700 0600	Felt, glass fibered, flashing membrane, #45	49.1	Sq.	25	\$2,504	\$2,689	\$0	\$5,193	105.72	0.07
.07530 800 4800	Single-Ply Membrane, ethylene propylene diene monomer (EPDM), 0.40 P.S.F., fully adhered with adhesive, 60 mils	570.0	Sq.	877	\$81,257	\$108,669	\$4,511	\$194,437	341.12	2.44
.07710 400 0400	Downspouts	760.0	L.F.	43	\$6,100	\$2,855	\$0	\$8,955	11.78	0.11
.07710 650 2500	Gutters, half round or box	1,000.0	L.F.	67	\$9,359	\$2,548	\$0	\$11,907	11.91	0.15
.07720 700 1200	Roof Hatches, with curb	1.0	Ea.	5	\$567	\$2,784	\$0	\$3,351	3,351.34	0.04
SUBTOTAL Roofing					1,669			\$392,410		4.92
<i>Metal Cladding</i>										
	07D									
.07460 100 3650	Skirt around door hood and endwall cover - Aluminum siding, flashing, endwall, .040" thick	80.0	L.F.	3	\$286	\$314	\$0	\$600	7.50	0.01
.07460 800 1600	Steel Siding,	2,240.0	S.F.	188	\$16,874	\$14,636	\$0	\$31,510	14.07	0.39
SUBTOTAL Metal Cladding					191			\$32,110		0.40
<i>Hollow Metal Doors/Windows</i>										
	08A									
.08110 200 1360	Doors, commercial, steel, flush, half glass, hollow core, 18 ga., 3'-0" x 7'-0" x 1-3/4" thick	1.0	Ea.	1	\$87	\$395	\$0	\$483	482.51	0.01
.08110 200 1760	Doors, commercial, steel, insulated, full panel, 18 ga., 3'-0" x 7'-0" x 1-3/4" thick	2.0	Ea.	2	\$197	\$612	\$0	\$809	404.57	0.01
.08110 820 5400	Frames, steel, knock down, "B" label, single, 14 ga., up to 5-3/4" deep, 7'-0" h x 4'-0" w	1.0	Ea.	1	\$99	\$154	\$0	\$252	252.29	0.00
.081102001400	Doors, commercial, steel, flush, 18 ga., 4'-0" x 8'-0" x 1-3/4" thick	6.0	Ea.	7	\$633	\$3,437	\$0	\$4,070	678.28	0.05
.081102500200	Door frames, steel channels with anchors and bar stops, 8" channel@ 11.5 lb/LF,	3.0	Ea.	11	\$1,128	\$972	\$36	\$2,137	712.27	0.03
.085201002100	Windows, aluminum sash, custom, grade 3, excl. glazing, max	2,159.0	S.F.	406	\$43,329	\$141,758	\$0	\$185,086	85.73	2.32
SUBTOTAL Hollow Metal Doors/Windows					428			\$192,837		2.42

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Special Doors... Garage, Folding, Overhead										
.13081 100 1500	Roll Up Door Curtain	168.0	SF Surf	19	\$2,235	\$1,408	\$0	\$3,643	21.68	0.05
	SUBTOTAL Special Doors... Garage, Folding, Overhead			19				\$3,643		0.05
Glazing										
.088102600900	Float Glass, tempered, tinted, 1/4" thick	11,484.0	S.F.	1,527	\$139,599	\$154,014	\$0	\$293,614	25.57	3.68
	SUBTOTAL Glazing			1,527				\$293,614		3.68
Hardware										
.08710 150 2850	Door hardware, single	3.0	Door	4	\$320	\$3,143	\$0	\$3,464	1,154.52	0.04
	SUBTOTAL Hardware			4				\$3,464		0.04
Painting and Wall Covering										
.01540 750 0090	Scaffolding, steel tubular, reg. rent, 1 use/mo, erect or dismantle, bldg ext, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	87.5	C.S.F.	88	\$7,727	\$3,667	\$0	\$11,394	130.21	0.14
.01540 750 2850	Scaffolding, steel tubular, regular, accessory, plank, rent/mo, 2" x 10" x 16' L	105.0	Ea.		\$0	\$902	\$0	\$902	8.59	0.01
.05950 650 6940	Ramp - Paints and protective coatings, universal primer, epoxy, two part, sprayed	1,360.0	S.F.	11	\$749	\$475	\$0	\$1,224	0.90	0.02
.07920 800 3600	Caulking & Sealants, polyurethane, bulk, in place, 1 or 2 component, 1/2" x 1/4"	2,149.0	L.F.	118	\$11,271	\$1,217	\$0	\$12,488	5.81	0.16
.09910 310 0190	Paints & Coatings, int. latex, doors, flush, both sides, spray, primer + 2 coats, incl. frame & trim	3.0	Ea.	3	\$241	\$53	\$0	\$293	97.81	0.00
.09910 320 9400	Paints & Coatings, interior, alkyd (oil base), windows, w/frame & trim, per side, standard, single lite, oil, paint 1 coat, brushwork, 4' x 8'	91.0	Ea.	52	\$4,174	\$248	\$0	\$4,422	48.60	0.06
.09910 910 0590	Paints & Coatings, walls, concrete masonry units (CMU), porous	50,523.0	S.F.	152	\$12,747	\$2,117	\$0	\$14,864	0.29	0.19
.09910 920 0880	Paints & Coatings, walls, interior, concrete, drywall or plaster, oil base, 2 coats, smooth finish, spray	24,432.0	S.F.	122	\$12,608	\$3,072	\$0	\$15,680	0.64	0.20
.09910 920 1280	Paints & Coatings, ceilings, interior, smooth finish, spray	29,600.0	S.F.	148	\$12,219	\$5,789	\$0	\$18,008	0.61	0.23
.09990 900 0150	Ramp - Surface Preparation, power wash, based on 2500 lb operating pressure, metal, flush, excl. frames or trim	1,000.0	S.F.	18	\$1,284	\$0	\$98	\$1,382	1.38	0.02
.09990 900 0810	Surface Preparation, exterior, siding, masonry, brick & block, pressure wash, based on 2500 lb operating pressure	50,523.0	S.F.	859	\$60,255	\$0	\$4,941	\$65,195	1.29	0.82
.09990 900 1310	Prep Stair - Surface Preparation, exterior, misc., wire brush, metal, pedestrian gate	412.5	S.F.	33	\$2,668	\$0	\$0	\$2,668	6.47	0.03

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Assemblies

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Painting and Wall Covering										
	09H									
.09990 910 0660	Surface Preparation, interior, walls, sand, drywall, gypsum, plaster, light	5,000.0	S.F.	15	\$1,147	\$0	\$0	\$1,147	0.23	0.01
.09990 910 0750	Surface Preparation, interior, walls, wash, masonry, brick & block, smooth	29,600.0	S.F.	89	\$6,790	\$0	\$0	\$6,790	0.23	0.09
SUBTOTAL Painting and Wall Covering				1,707				\$156,458		1.96
Special Construction										
	13A									
.021103001130	Hazardous waste cleanup/pickup/disposal, solid pickup, bulk material, maximum	18.0	Ton	0	\$0	\$0	\$20,758	\$20,758	1,153.22	0.26
.021103001270	Hazardous waste cleanup/pickup/disposal, transportation to disposal site, truckload = 80 drums or 25 C.Y. or 18 tons, maximum	30.0	Mile	0	\$0	\$0	\$275	\$275	9.17	0.00
.021103006020	Hazardous waste cleanup/pickup/disposal, dumpsite disposal charge, maximum	18.0	Ton	0	\$0	\$0	\$16,508	\$16,508	917.13	0.21
.13281 120 8250	Demo shaft structures - Bulk Asbestos Removal, shingle roofing, built-up, no gravel, non-friable, incl. disp. tools & 4 suits & resp./day/worker	216.0	S.F.	6	\$644	\$27	\$0	\$671	3.11	0.01
.13281 120 8250	Bulk Asbestos Removal, shingle roofing, built-up, no gravel, non-friable, incl. disp. tools & 4 suits & resp./day/worker	57,000.0	S.F.	1,653	\$169,952	\$7,246	\$0	\$177,198	3.11	2.22
.13281 125 0300	Asbestos Abatement Work Area, separation barrier, 2" x 4" @ 16", 1/2" plywood each side, 8' high	3,090.0	S.F.	124	\$16,215	\$7,464	\$0	\$23,679	7.66	0.30
.13281 140 4100	Decontamination Containment Area Demolition & Cleanup, remove portable decontamination facility	1.0	Ea.	2	\$286	\$24	\$0	\$310	310.39	0.00
.13281 440 2820	Removal Of Existing Lead Paint, by chemicals, per application, doors, one side, two panel	500.0	S.F.	50	\$4,530	\$873	\$0	\$5,403	10.81	0.07
.13281 440 4800	Removal Of Existing Lead Paint, by chemicals, per application, siding	1,000.0	S.F.	89	\$8,050	\$1,593	\$0	\$9,643	9.64	0.12
.13281 460 0030	Lead Paint Encapsulation, water based polymer coating, interior, brushwork, trim, 14 mil DFT, 6"-12" wide	250.0	L.F.	11	\$1,009	\$1,090	\$0	\$2,099	8.40	0.03
SUBTOTAL Special Construction				1,935				\$256,546		3.21
General Mechanical										
	15									
.15055 300 3000	HVAC, mechanical equipment, light items; unit is weight, not cooling, demolition	3.0	Ton	53	\$5,092	\$0	\$0	\$5,092	1,697.26	0.06
.15055 300 3600	HVAC, mechanical equipment, heavy items; unit is weight, not cooling, demolition	6.0	Ton	87	\$8,395	\$0	\$0	\$8,395	1,399.09	0.11
.150556001300	General HVAC/Plumbing demo	79,500.0	SF	120	\$10,940	\$0	\$2,221	\$13,161	0.17	0.16
SUBTOTAL General Mechanical				261				\$26,647		0.33

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Assemblies

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<i>Plumbing</i>										
	15A									
.138382002100	Control Components, gauges, pressure or vacuum, 2" dia. dial	1.0	Ea.	0	\$31	\$12	\$0	\$43	42.94	0.00
.151076200580	Pipe, steel, black, threaded, 1" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	680.0	L.F.	103	\$10,918	\$2,280	\$0	\$13,197	19.41	0.17
.151107005350	Valves, steel, forged, ball, threaded, 800 lb., 3/8"	14.0	Ea.	5	\$496	\$802	\$0	\$1,298	92.71	0.02
SUBTOTAL Plumbing				108				\$14,538		0.18
<i>HVAC</i>										
	15C									
.157309005310	Split ductless system, cooling / heating, ceiling mount, 3 ton cooling	3.0	Ea.	48	\$4,645	\$16,240	\$0	\$20,885	6,961.55	0.26
.157309007010	Split ductless system, accessories for all split ductless systems, for ambient frost control, add	3.0	Ea.	6	\$581	\$511	\$0	\$1,093	364.24	0.01
.157309007040	Split ductless system, accessories for all split ductless systems, for tube / wiring kit, 35' kit	3.0	Ea.	2	\$196	\$396	\$0	\$592	197.38	0.01
.158101000580	Ductwork, fabricated rectangular, galvanized steel, over 5000 lb., includes fittings, joints, supports and allowance for a flexible connection, excludes insulation	3,500.0	Lb.	294	\$28,980	\$1,614	\$0	\$30,593	8.74	0.38
.158203004680	Duct accessories, fire/smoke combination damper, louver type, 24" x 12", U.L. label	3.0	Ea.	2	\$196	\$692	\$0	\$888	295.87	0.01
.158301007260	Fans, roof exhauster, centrifugal, aluminum housing, bird screen, back draft damper, V belt drive, 1/4" S.P., 8525 CFM, 12" galvanized curb, 28" sq. damper	12.0	Ea.	80	\$7,789	\$24,727	\$0	\$32,516	2,709.66	0.41
.15850 600 3200	Louver, aluminum, extruded, with screen, mill finish, fixed blade, continuous line, stormproof	160.0	S.F.	46	\$4,826	\$6,817	\$0	\$11,643	72.77	0.15
.158505001260	Grille, aluminum, air return, 24" x 24"	6.0	Ea.	3	\$337	\$562	\$0	\$899	149.79	0.01
.159551001400	Balancing, air, heating and ventilating equipment, roof exhaust fan, (Subcontractor's quote including material & labor)	12.0	Ea.	0	\$0	\$0	\$3,688	\$3,688	307.34	0.05
.159551002800	Balancing, air conditioning equipment, rooftop heating and cooling unit, (Subcontractor's quote including material & labor)	3.0	Ea.	0	\$0	\$0	\$1,614	\$1,614	537.85	0.02
SUBTOTAL HVAC				481				\$104,410		1.31
<i>General Electrical</i>										
	16A									
.01590 400 0160	Rent aerial lift to 25'high 2000 lb cap scissor type	12.0	Week		\$0	\$0	\$3,286	\$3,286	273.81	0.04
.16055 300 1100	Safety switches, 250 or 600 V, 30 amp, remove, incl disconnection	17.0	Ea.	11	\$1,053	\$0	\$0	\$1,053	61.93	0.01
.16055 300 1120	Safety switches, 250 or 600 V, 60 amp, remove, incl disconnection	22.0	Ea.	20	\$1,943	\$0	\$0	\$1,943	88.30	0.02
.16055 300 1160	Safety switches, 250 or 600 V, 200 amp, remove, incl disconnection	1.0	Ea.	2	\$154	\$0	\$0	\$154	153.67	0.00

GENERAL CONTRACTOR ADJUSTMENTS

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Assemblies

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF	
<i>General Electrical</i>		16A									
.16055 300 1280	. Remove Panel	4.0	Ea.	33	\$3,211	\$0	\$0	\$3,211	802.76	0.04	
.16055 300 1400	. Remove Transformer	2.0	Ea.	11	\$1,028	\$0	\$0	\$1,028	513.77	0.01	
.16055 300 1540	. Remove Electrical Equipment Level One	6.0	Ea.	44	\$4,197	\$0	\$507	\$4,704	784.06	0.06	
.16055 300 1550	. Remove Electrical Equipment Level Two	24.0	Ea.	267	\$25,321	\$0	\$3,051	\$28,372	1,182.18	0.36	
.16055 300 1560	. Remove Electrical Equipment Level Three	11.0	Ea.	157	\$14,885	\$0	\$1,798	\$16,683	1,516.67	0.21	
.16055 300 1640	. Remove Devices	275.0	Ea.	71	\$6,812	\$0	\$0	\$6,812	24.77	0.09	
.16055 300 1850	. Roof Square Foot Electrical Demo	570.0	CSF	100	\$4,837	\$0	\$0	\$4,837	8.49	0.06	
.16055 300 1850	. Square Foot Electrical Demo	800.0	CSF	141	\$13,578	\$0	\$0	\$13,578	16.97	0.17	
.16055 300 2160	. Remove Light Fixtures	26.0	Ea.	21	\$1,998	\$0	\$0	\$1,998	76.84	0.03	
SUBTOTAL <i>General Electrical</i>				877				\$87,658		1.10	
<i>Electrical - Power</i>		16B									
.16120 900 0100	. Wire, copper, stranded, 600 volt, #12, type THW, in raceway	186.0	C.L.F.	135	\$13,012	\$1,767	\$0	\$14,778	79.45	0.19	
.16120 900 0120	. Wire, copper, stranded, 600 volt, #10, type THW, in raceway	96.0	C.L.F.	77	\$7,376	\$1,375	\$0	\$8,751	91.15	0.11	
.16120 900 0140	. Wire, copper, stranded, 600 volt, #8, type THW, in raceway	0.4	C.L.F.	0	\$39	\$10	\$0	\$48	120.22	0.00	
.16120 900 0160	. Wire, copper, stranded, 600 volt, #6, type THW, in raceway	0.4	C.L.F.	0	\$47	\$15	\$0	\$62	155.84	0.00	
.16120 900 0240	. Wire, copper, stranded, 600 volt, #1, type THW, in raceway	1.6	C.L.F.	3	\$308	\$180	\$0	\$488	305.12	0.01	
.16120 900 0300	. Wire, copper, stranded, 600 volt, 3/0, type THW, in raceway	1.6	C.L.F.	5	\$492	\$329	\$0	\$820	512.70	0.01	
.16132 205 1870	. Rigid galvanized steel conduit, 2" diameter, to 15' H, incl 2 terminations, 2 elbows & 11 beam clamps per 100 LF	3,520.0	L.F.	627	\$60,147	\$39,094	\$0	\$99,241	28.19	1.24	
.16132 210 0220	. Electric metallic tubing, 3/4" diameter, to 15' high, incl couplings only	1,600.0	L.F.	51	\$4,881	\$1,363	\$0	\$6,244	3.90	0.08	
.16132 210 0640	. Rigid galvanized steel conduit, 4" diameter, to 15' high, incl couplings only	560.0	L.F.	140	\$14,771	\$14,492	\$0	\$29,263	52.26	0.37	

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Electrical - Power		16B									
.16136 600 1460	Outlet boxes, cast, 2 gang, FS, 3/4" hub	16.0	Ea.	13	\$1,229	\$704	\$0	\$1,933	120.84	0.02	
.16140 910 2470	Duplex receptacle, grounded, 120 volt, 20 amp	13.0	Ea.	4	\$370	\$173	\$0	\$542	41.71	0.01	
.16140 910 2482	Duplex receptacle, ground fault interrupting, 20 amp	3.0	Ea.	1	\$85	\$172	\$0	\$257	85.72	0.00	
.16140 910 2800	Wall plate, stainless steel, 2 gang	13.0	Ea.	2	\$189	\$101	\$0	\$290	22.32	0.00	
.162701002600	Buck-boost transformer, 3 phase 240 V primary 208/120 V secondary, 75 kVA	1.0	Ea.	13	\$1,284	\$4,191	\$0	\$5,475	5,475.41	0.07	
.16410 800 9010	Disconnect switch, 3 pole fusible, 30 amp, to 10 HP motor, 600 volt	16.0	Ea.	40	\$3,853	\$6,549	\$0	\$10,402	650.15	0.13	
.16410 800 9070	Disconnect switch, 3 pole fusible, 100 amp, to 60 HP motor, 600 volt	1.0	Ea.	4	\$406	\$943	\$0	\$1,349	1,348.94	0.02	
.16440 720 2100	Panelboards, 3 phase 4 wire, main circuit breaker, 120/208 V, 100 amp, 30 circuits, NQOD, incl 20 A 1 pole plug-in breakers	1.0	Ea.	20	\$1,927	\$1,746	\$0	\$3,673	3,672.87	0.05	
.16440 720 2250	Panelboards, 3 phase 4 wire, main circuit breaker, 120/208 V, 225 amp, 42 circuits, NQOD, incl 20 A 1 pole plug-in breakers	1.0	Ea.	29	\$2,752	\$3,248	\$0	\$6,000	6,000.34	0.08	
.16440 820 0420	Circuit breaker, 3 pole, 480 V, 70 to 225 amp, KA frame, for feeder section	1.0	Ea.	3	\$241	\$1,572	\$0	\$1,812	1,812.45	0.02	
SUBTOTAL Electrical - Power				1,167				\$191,432		2.40	
Electrical - Fixtures		16C									
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	144.0	C.L.F.	105	\$10,073	\$1,368	\$0	\$11,441	79.45	0.14	
.16132 210 0500	Rigid galvanized steel conduit, 1/2" diameter, to 15' high, incl couplings only	4,800.0	L.F.	264	\$25,321	\$10,528	\$0	\$35,849	7.47	0.45	
.16136 600 0670	Outlet boxes, pressed steel, switchboxes, Romex or BX, with bracket	42.0	Ea.	12	\$1,195	\$290	\$0	\$1,485	35.36	0.02	
.16136 720 0700	Pull boxes & cabinets, enclosures fiberglass, small, screw cover, 7-1/2"H x 6"W x 5-3/16"D, NEMA 4X	5.0	Ea.	4	\$384	\$538	\$0	\$922	184.40	0.01	
.16140 500 3800	Flush switch, standard	10.0	Ea.	2	\$193	\$170	\$0	\$363	36.31	0.00	
.16140 910 2600	Wall plates, stainless steel, 1 gang	10.0	Ea.	1	\$96	\$34	\$0	\$130	13.03	0.00	
.16510 440 3100	Fluorescent fixture, interior, strip, pendent mounted, industrial, white porcelain enamel, R.S., 2-40 W, 4' L, incl lamps, mounting hardware and connections	15.0	Ea.	21	\$2,030	\$1,226	\$0	\$3,256	217.05	0.04	
.165104401900	Fluorescent fixture, interior, surface mounted, acryl lens, 4-40 W, 2' W x 8' L, incl lamps, mounting hardware and connections	15.0	Ea.	38	\$3,612	\$4,380	\$0	\$7,992	532.80	0.10	

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 10.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 1,995,000 Square Footage: 79,800

Project Number: ver-01-05

Assemblies

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>Electrical - Fixtures</i>										
	16C									
.165104402000	Fluorescent fixture, interior, surface mounted, acryl lens, 2 ball 4-40 W, 2' W x 8' L, incl lamps, mounting hardware and connections	17.0	Ea.	44	\$4,250	\$5,700	\$0	\$9,950	585.28	0.12
.16520 300 1180	Relocate - Metal halide fixture, exterior, wall pack, 175 Watt, incl lamps	12.0	Ea.	24	\$2,312	\$168	\$0	\$2,480	206.63	0.03
.16520 300 2210	Remount Fixtrue - Floodlights, exterior, metal halide, 1500 watt, incl ballast and lamp, excl pole	12.0	Ea.	52	\$4,982	\$0	\$0	\$4,982	415.14	0.06
.16530 320 0240	Exit sign, L.E.D. w/ battery unit, single face, ceiling or wall mount	15.0	Ea.	27	\$2,615	\$2,976	\$0	\$5,590	372.69	0.07
.16530 320 0700	Emergency light units, nickel cadmium battery operated, twin sealed beam light, 25 W, 6 V each	26.0	Ea.	52	\$5,009	\$24,699	\$0	\$29,708	1,142.62	0.37
SUBTOTAL <i>Electrical - Fixtures</i>				646				\$114,148		1.43
SUBTOTAL								\$3,670,844	46.00	
SUBTOTAL								\$3,670,844	46.00	
ESTIMATE GRAND TOTAL								\$3,670,844	46.00	