

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rohde Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										

General Requirements - 1A

.01290 800 0010	Taxes, state, average	1.0	%	0	\$0	\$0	\$334,757	\$334,757	334,756.90	22.32
.01310 150 0100	Permits Rule of Thumb, most cities, maximum	1.0	Job	0	\$0	\$0	\$65,318	\$65,318	65,318.40	4.35
.01310 200 0100	Performance Bond, for buildings, minimum	1.0	Job	0	\$0	\$0	\$70,762	\$70,762	70,761.60	4.72
.01310 350 0250	All-risk Insurance, maximum	1.0	Job	0	\$0	\$0	\$21,773	\$21,773	21,772.80	1.45
.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	\$239,501	\$239,501	239,500.80	15.97
.01310 700 0280	Field Personnel, superintendent, maximum	50.0	Week	0	\$134,379	\$0	\$0	\$134,379	2,687.58	8.96
.01450 500 0020	Field Testing, for concrete building, costing \$1,000,000, maximum	1.0	Project	0	\$0	\$0	\$13,608	\$13,608	13,608.00	0.91
.01450 500 0050	Field Testing, for steel building, costing \$1,000,000, minimum	1.0	Project	0	\$0	\$0	\$11,567	\$11,567	11,566.80	0.77
.01510 050 0040	Temporary electrical power equipment (pro-rated per job), overhead feed, 3 uses, 200 amp	1.0	Ea.	8	\$503	\$1,095	\$0	\$1,599	1,598.94	0.11
.01510 050 0210	Temporary electrical power equipment (pro-rated per job), transformers, 3 uses, 30 KVA	1.0	Ea.	8	\$503	\$885	\$0	\$1,388	1,388.02	0.09
.01510 050 0890	Temporary electrical power equipment (pro-rated per job), connections, office trailer, 200 amp	1.0	Ea.	4	\$252	\$782	\$0	\$1,034	1,034.21	0.07
.01510 800 0450	Temporary Power, for temp lighting only, 23.6 KWH/month, max	150.0	CSF Flr		\$0	\$0	\$676	\$676	4.50	0.05
.01520 500 0250	Office Trailer, furnished, rent per month, 20' x 8', excl. hookups	11.0	Ea.		\$0	\$2,635	\$0	\$2,635	239.50	0.18
.01520 500 0700	Office Trailer, excl. hookups, air conditioning, rent per month, add	11.0	Ea.		\$0	\$681	\$0	\$681	61.92	0.05
.01520 500 1250	Storage Boxes, rent per month, 20' x 8'	11.0	Ea.		\$0	\$1,272	\$0	\$1,272	115.67	0.08
.01520 550 0120	Field Office Expense, office supplies, average	11.0	Month		\$0	\$1,437	\$0	\$1,437	130.64	0.10

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.01520 550 0140	Field Office Expense, telephone bill; avg. bill/month, incl. long dist.	11.0	Month		\$0	\$3,518	\$0	\$3,518	319.79	0.23
.01520 550 0160	Field Office Expense, field office lights & HVAC	11.0	Month		\$0	\$1,617	\$0	\$1,617	146.97	0.11
.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	10.0	C.S.F.	10	\$524	\$381	\$0	\$905	90.49	0.06
.01540 750 2850	Scaffolding, steel tubular, regular, accessory, plank, rent/mo, 2" x 10" x 16' L	10.0	Ea.		\$0	\$78	\$0	\$78	7.82	0.01
01A	SUBTOTAL General Requirements - 1A			30				\$908,504		60.57

Sitework -Demolition

.02220 250 5050	Minor site demolition, pavement, bituminous roads, 4" to 6" thick, remove, excludes hauling	1,069.0	S.Y.	102	\$4,219	\$0	\$2,895	\$7,113	6.65	0.47
.02220 250 5400	Site demolition, remove concrete, plain, 7" to 24" thick	100.0	C.Y.	121	\$5,035	\$0	\$3,470	\$8,505	85.05	0.57
.02220 360 0015	Saw cutting, asphalt, up to 3" deep	450.0	L.F.	7	\$282	\$135	\$159	\$576	1.28	0.04
.02315 490 0560	Hauling, excavated or borrow material, loose cubic yards, 12 mile round trip, base wide rate, 12 C.Y. truck, highway haulers, excludes loading	1,500.0	L.C.Y.	308	\$11,635	\$0	\$25,821	\$37,456	24.97	2.50
02A	SUBTOTAL Sitework -Demolition			537				\$53,650		3.58

Sitework - Earthwork

.02230 500 0200	Stripping, topsoil, sandy loam, ideal conditions, 300 H.P. dozer, stripping and stockpiling	1,300.0	C.Y.	5	\$230	\$0	\$672	\$902	0.69	0.06
.02315 210 6035	Borrow, clay, till, or blasted rock, 3/4 C.Y. bucket, loading and/or spreading, front end loader, wheel mounted	750.0	B.C.Y.	20	\$857	\$3,960	\$429	\$5,246	6.99	0.35
.02315 310 5620	Compaction, 3 passes, 6" lifts, riding, sheepsfoot or wobbly wheel roller	3,000.0	E.C.Y.	21	\$939	\$0	\$1,878	\$2,817	0.94	0.19
.02315 424 0260	Excavating, bulk bank measure, 2 C.Y. capacity = 130 C.Y./hour, backhoe, hydraulic, crawler mounted	400.0	B.C.Y.	6	\$278	\$0	\$479	\$757	1.89	0.05
.02315 424 1250	Excavating, bulk bank measure, 2-1/2 C.Y. capacity = 95 C.Y./hour, front end loader, track mounted	1,300.0	B.C.Y.	21	\$902	\$0	\$1,291	\$2,194	1.69	0.15

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Sitework - Earthwork

.02315 490 0560	Hauling, excavated or borrow material, loose cubic yards, 12 mile round trip, base wide rate, 12 C.Y. truck, highway haulers, excludes loading	4,700.0	L.C.Y.	964	\$36,456	\$0	\$80,906	\$117,362	24.97	7.82
.02315 510 0020	Fill, borrow, for embankments, 1 mile haul, load, haul, spread with dozer	4,700.0	L.C.Y.	108	\$4,413	\$24,816	\$9,977	\$39,206	8.34	2.61
.02370 700 1100	Erosion control, silt fence, polypropylene, adverse conditions, 3' high	1,000.0	L.F.	17	\$626	\$299	\$0	\$925	0.93	0.06
02B	SUBTOTAL Sitework - Earthwork			1,161				\$169,409		11.29

Sitework - Foundation Support Systems

.02455 600 0700	Piles, steel, "H" sections, 50' long, HP12 x 53, excludes mobilization or demobilization	5,264.0	V.L.F.	569	\$22,994	\$122,850	\$19,699	\$165,543	31.45	11.04
.02455 650 2700	Piles, treated wood pile, mobilization, for 10,000 L.F. pile job, excludes mobilization or demobilization	5,264.0	V.L.F.	100	\$4,083	\$0	\$3,582	\$7,665	1.46	0.51
02D	SUBTOTAL Sitework - Foundation Support Systems			669				\$173,207		11.55

Sitework - Site Concrete

.01590 400 1525	Concrete Stoop	6.0	EA	96	\$4,180	\$3,266	\$229	\$7,675	1,279.15	0.51
.02310 100 0012	Fine grade, small area, to be paved with grader	3,284.0	S.Y.	131	\$5,586	\$0	\$5,005	\$10,591	3.23	0.71
.02720 200 0200	Base course, for roadways and large paved areas, stone base, compacted	3,284.0	S.Y.	30	\$1,207	\$30,388	\$2,458	\$34,053	10.37	2.27
.027503000020	Concrete pavement, fixed form, unreinforced, , includes joints, finishing, and curing	3,284.0	S.Y.	95	\$3,754	\$70,161	\$3,084	\$76,999	23.45	5.13
.02770 300 0410	Curbs, concrete, steel forms, straight, 6" x 18", cast-in-place	1,950.0	L.F.	135	\$5,732	\$6,714	\$0	\$12,445	6.38	0.83
.02770 300 0411	Curbs, concrete, steel forms, radius, 6" x 18" radius, cast-in-place	450.0	L.F.	54	\$2,315	\$2,094	\$0	\$4,409	9.80	0.29
.02775 275 0310	Sidewalk, concrete, cast-in-place with 6 x 6 - W1.4 x W1.4 mesh, broomed finish, 3000 psi, 4" thick, excludes base	5,763.0	S.F.	231	\$9,332	\$8,234	\$0	\$17,567	3.05	1.17
.032202000300	Welded wire fabric, sheets, 6 x 6 - W2.9 x W2.9 (6 x 6) 42 lb. per C.S.F., A185	238.3	C.S.F.	132	\$7,943	\$6,808	\$0	\$14,752	61.92	0.98

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Sitework - Site Concrete

.03310 240 6850	Structural concrete, in place, stairs, cast on ground, includes forms(4 uses), reinforcing steel, and finishing, excludes safety treads	24.0	LF Nose	9	\$477	\$142	\$7	\$626	26.07	0.04
02E	SUBTOTAL Sitework - Site Concrete			912				\$179,116		11.94

Sitework - Asphalt/Bituminous Surfacing

.01450 500 0200	Field Testing, asphalt testing, compressive strength Marshall stability, set of three samples	1.0	Ea.		\$0	\$0	\$261	\$261	261.27	0.02
.01450 500 0220	Asphalt testing, density, set of three samples	3.0	Ea.		\$0	\$0	\$449	\$449	149.69	0.03
.01450 500 0250	Asphalt testing, extraction, individual tests on sample	1.0	Ea.		\$0	\$0	\$237	\$237	236.78	0.02
.01450 500 0350	Asphalt testing, mix design, 5 specimens	1.0	Ea.		\$0	\$0	\$316	\$316	315.71	0.02
.01450 500 4735	Soil testing, soil density, nuclear method, ASTM D2922	20.0	Ea.		\$0	\$0	\$1,225	\$1,225	61.24	0.08
.01450 500 4950	Soil testing, Proctor compaction, 6" modified mold	1.0	Ea.		\$0	\$0	\$118	\$118	118.39	0.01
.01560 100 1100	Barricades, guardrail, wooden, 3' high, 1" x 6" planks on 4" x 4" posts	300.0	L.F.	29	\$1,531	\$816	\$0	\$2,347	7.82	0.16
.02310 100 1050	Fine grade, fine grade for small irregular areas, to 15,000 S.Y.	4,088.0	S.Y.	98	\$4,172	\$0	\$4,283	\$8,456	2.07	0.56
.02315 310 5040	Compaction, riding, vibrating roller, 4 passes, 6" lifts	94.6	E.C.Y.	1	\$27	\$0	\$23	\$50	0.53	0.00
.02720 200 0390	Base course, for roadways and large paved areas, bank run gravel, spread and compacted, a deep	1,839.0	S.Y.	13	\$526	\$10,786	\$776	\$12,087	6.57	0.81
.02740 310 0380	Asphaltic concrete pavement, for highways and large paved areas, wearing course, 2" thick	1,839.0	S.Y.	28	\$1,051	\$7,082	\$851	\$8,984	4.89	0.60
.02740 310 0460	Asphaltic concrete pavement, for highways and large paved areas, wearing course, 4" thick	1,838.7	S.Y.	46	\$1,376	\$12,510	\$1,076	\$14,962	8.14	1.00
.02760 500 0800	Lines on pavement, parking stall, paint, white, 4" wide	35.0	Stall	4	\$135	\$126	\$41	\$302	8.63	0.02
.02760 500 1200	Lines on pavement, handicap symbol	3.0	Ea.	1	\$48	\$86	\$0	\$133	44.50	0.01

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<i>Sitework - Asphalt/Bituminous Surfacing</i>										
.02785 600 3270	Tack coat, emulsion, 0.10 gallons per S.Y., 1,000 S.Y.	1,838.0	S.Y.	11	\$475	\$825	\$575	\$1,876	1.02	0.13
02F	SUBTOTAL Sitework - Asphalt/Bituminous Surfacing			230				\$51,804		3.45
<i>Sitework - Landscaping/Irrigation</i>										
.028103000900	Sprinkler irrigation system, for lawns, residential system, custom, 1-1/2" supply	500.0	S.F.	7	\$238	\$265	\$0	\$503	1.01	0.03
.02920 310 0310	Seeding, fine grading and seeding, with equipment	4,521.0	S.Y.	217	\$8,305	\$923	\$1,353	\$10,582	2.34	0.71
02G	SUBTOTAL Sitework - Landscaping/Irrigation			224				\$11,085		0.74
<i>Sitework - Miscellaneous</i>										
.02840 800 1300	Parking barriers, pipe bollards, conc filled/paint, 8' L x 4' D hole, 6" diam.	22.0	Ea.	26	\$913	\$7,754	\$322	\$8,989	408.58	0.60
02Gm	SUBTOTAL Sitework - Miscellaneous			26				\$8,989		0.60
<i>Sitework - Fences</i>										
.02820 110 4799	Gate, chain link, double transom for fence, vinyl clad, double gate, 3 strand barbed wire, 14' x 14', 10' fence	6.0	Ea.	42	\$1,604	\$20,208	\$245	\$22,057	3,676.20	1.47
.02820 130 0940	Chain link fence, industrial, aluminized steel, 6 ga. wire, 2-1/2" posts @ 10' OC, 8' high	1,160.0	L.F.	206	\$7,103	\$56,827	\$4,704	\$68,634	59.17	4.58
.02820 130 1100	Chain link fence, industrial, galvanized steel, 6 ga. wire, 2-1/2" posts @ 10' OC, 8' high, 3" diameter	20.0	Ea.	16	\$558	\$2,300	\$365	\$3,222	161.12	0.21
.02820 150 7900	Auger fence post hole, medium soil, 3' deep, by hand	116.0	Ea.	31	\$994	\$0	\$0	\$994	8.57	0.07
.028201305130	Chain link fence, double swing gates,	6.0	Opng.	226	\$7,757	\$18,983	\$5,144	\$31,884	5,313.92	2.13
02H	SUBTOTAL Sitework - Fences			521				\$126,792		8.45
<i>Sitework - Utilities</i>										
.02080 500 3814	Gate valves, cast iron, mechanical joint, with boxes, 250 PSI, 6" diameter	3.0	Ea.	18	\$800	\$751	\$300	\$1,851	617.12	0.12

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<i>Sitework - Utilities</i>										
.020801002240	Fire hydrants, two way, 8'-0" depth, 5-1/4" valve, includes mechanical joints, unless otherwise noted, includes lower barrel and shoe, excludes excavation and backfill	2.0	Ea.	9	\$397	\$2,994	\$75	\$3,466	1,732.98	0.23
.02315 110 0900	Backfill, 12" layers, compaction in layers, roller compaction with operator walking, add to above	350.0	E.C.Y.	28	\$1,243	\$0	\$429	\$1,672	4.78	0.11
.02315 110 1600	Backfill, bulk, 6" to 12" lifts, dozer backfilling	812.0	E.C.Y.	12	\$541	\$0	\$2,099	\$2,641	3.25	0.18
.02315 610 0110	Excavating, trench, 4' to 6' deep, 3/4 C.Y. bucket, expose pipe with hydraulic backhoe, excludes sheeting or dewatering	570.4	B.C.Y.	30	\$1,389	\$0	\$1,226	\$2,616	4.59	0.17
.02315 620 2850	Excavating, utility trench, common earth, 40 H.P., 12" wide, 36" deep, chain trencher, operator riding, includes backfill	242.5	L.F.	3	\$183	\$0	\$148	\$332	1.37	0.02
.02315 640 0500	Bedding, for pipe and conduit, compacting bedding in trench	22.2	E.C.Y.	2	\$73	\$0	\$10	\$83	3.74	0.01
.02510 710 7100	Distribution connection, tapping sleeves with rubber gaskets,	3.0	Ea.	4	\$200	\$5,511	\$32	\$5,743	1,914.37	0.38
.02510 730 2020	Ductile iron pipe, cement lined, 18' lengths, 4" diameter, class 50 water piping, excludes excavation or backfill	40.0	L.F.	8	\$427	\$552	\$136	\$1,115	27.88	0.07
.02510 730 2040	Ductile iron pipe, cement lined, 18' lengths, 6" diameter, class 50 water piping, excludes excavation or backfill	40.0	L.F.	10	\$533	\$653	\$170	\$1,357	33.92	0.09
.025307302200	Reinforced culvert (RCP), concrete, with gaskets, 12" diameter, 6' lengths, class 3, excludes excavation or backfill	535.0	L.F.	89	\$4,477	\$9,282	\$713	\$14,473	27.05	0.96
.025307802080	Piping, drainage and sewage, polyvinyl chloride pipe, B & S, 10' lengths, 8" diameter, SDR 35, excludes excavation or backfill	68.0	L.F.	5	\$237	\$514	\$0	\$750	11.04	0.05
.025504664080	Steel pipe, tar coated and wrapped, plain end, 2" diameter, schedule 40, excludes excavation or backfill	124.0	L.F.	14	\$894	\$734	\$49	\$1,677	13.53	0.11
.02580 420 0380	Underground marking tape, 6" wide, excludes excavation, backfill and cast in place concrete	1,285.0	L.F.	10	\$664	\$525	\$0	\$1,189	0.93	0.08
.02580 420 5400	Underground duct banks ready for concrete fill, PVC, type EB, minimum of 7.5" between conduits center to center, 2 @ 4" diameter, excludes excavation, backfill and cast in place concrete	674.0	L.F.	67	\$4,430	\$2,935	\$0	\$7,365	10.93	0.49
.02580 420 7820	Underground duct banks, for cast-in-place concrete, 1 C.Y.- 5 C.Y., excludes excavation, backfill and cast in place concrete, add	22.7	C.Y.	57	\$2,579	\$3,428	\$86	\$6,093	268.47	0.41
.02630 400 1130	Manholes, concrete, precast, 4' I.D., 8' deep, excludes base, excavation, backfill, frame and cover	13.0	Ea.	195	\$9,907	\$12,649	\$2,176	\$24,731	1,902.40	1.65

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<i>Sitework - Utilities</i>										
.026301101582	Catch basins, curb inlet frame, grate, and curb box, large, heavy duty, 24" x 36", excludes footing, excavation, backfill, frame and cover	7.0	Ea.	84	\$4,191	\$4,620	\$0	\$8,811	1,258.74	0.59
.026301102100	Catch basins, frames and covers, cast iron, heavy traffic, 24" diameter, 400 lb.	6.0	Ea.	18	\$865	\$1,494	\$225	\$2,584	430.69	0.17
.03310 220 0150	Thrust Blocks	6.0	C.Y.	0	\$163	\$531	\$0	\$694	115.67	0.05
.15108 520 1910	Pipe, plastic, PVC, 3/4" diameter, schedule 40, includes couplings	2,058.0	L.F.	558	\$32,291	\$7,710	\$0	\$40,000	19.44	2.67
02K	SUBTOTAL Sitework - Utilities			1,222				\$129,244		8.62
<i>Elevated Slab - System</i>										
.03310 240 1900	Structural concrete, in place, elevated slab, flat slab, 125 psf superimposed load, 20' span, includes forms(4 uses), reinforcing steel, and finishing	81.0	C.Y.	438	\$23,037	\$15,652	\$2,204	\$40,893	504.86	2.73
03J	SUBTOTAL Elevated Slab - System			438				\$40,893		2.73
<i>Footings - System</i>										
.03310 240 0740	Structural concrete, in place, column, square, avg reinforcing, 12" x 12", includes forms(4 uses), reinforcing steel, and finishing	55.0	C.Y.	1,218	\$64,366	\$26,195	\$6,399	\$96,960	1,762.92	6.46
.03310 240 4250	Structural concrete, in place, grade wall, 8" thick x 14' high, includes forms(4 uses), reinforcing steel, and finishing	115.0	C.Y.	844	\$43,974	\$22,065	\$4,460	\$70,500	613.04	4.70
.03310 240 5900	Structural concrete, in place, pile cap, square or rectangular, under 5 C.Y., includes forms(4 uses), reinforcing steel, and finishing	286.0	C.Y.	592	\$29,773	\$30,941	\$195	\$60,908	212.97	4.06
03O	SUBTOTAL Footings - System			2,654				\$228,368		15.22
<i>SOG - System</i>										
.02310 100 0012	Fine grade, small area, to be paved with grader	1,191.0	S.Y.	48	\$2,026	\$0	\$1,815	\$3,841	3.23	0.26
.02315 520 0800	Fill, gravel fill, compacted, under floor slabs, 12" deep	10,720.0	S.F.	86	\$3,355	\$5,689	\$292	\$9,336	0.87	0.62
.03310 240 4840	Structural concrete, in place, slab on grade, over 10000 S.F., 8" thick, includes finishing only	3,846.0	S.F.	88	\$4,135	\$9,054	\$52	\$13,241	3.44	0.88
.03310 240 4840	Structural concrete, in place, slab on grade, over 10000 S.F., 10" thick, includes finishing only	3,228.0	S.F.	79	\$3,734	\$9,225	\$44	\$13,002	4.03	0.87

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
SOG - System										
.03310 240 4900	Structural concrete, in place, slab on grade, over 10000 S.F., 12" thick, includes finishing only	540.0	S.F.	14	\$676	\$1,903	\$7	\$2,587	4.79	0.17
.07210 600 0700	Perimeter Insulation, polystyrene, expanded, 2" thick, R8	1,720.0	S.F.	21	\$1,123	\$843	\$0	\$1,966	1.14	0.13
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	110.8	Sq.	24	\$1,327	\$407	\$0	\$1,734	15.65	0.12
03Y	SUBTOTAL SOG - System			360				\$45,707		3.05
Interior Walls, Non-Load Bearing - System										
.04810 172 0350	Concrete masonry unit (CMU), back-up, normal weight, tooled joint one side, 2000 psi, 8" x 8" x 16", excludes scaffolding and reinforcing	7,989.0	S.F.	799	\$44,464	\$18,916	\$0	\$63,380	7.93	4.23
.04810 175 0100	Concrete masonry unit (CMU), bond beam, normal weight, 2000 psi, 8" x 8" x 16", excludes scaffolding, grout and vertical reinforcing	550.0	L.F.	39	\$2,170	\$1,370	\$0	\$3,540	6.44	0.24
04S	SUBTOTAL Interior Walls, Non-Load Bearing - System			838				\$66,921		4.46
Exterior Walls - System										
.01540 750 0200	Scaffolding, steel tubular, reg. rent, 1 use/mo, erect or dismantle, bldg ext, wall face, 6'-4" x 5' frames, 6 to 12 stories, excl. planks	40.0	C.S.F.	60	\$3,184	\$1,524	\$0	\$4,708	117.71	0.31
.01540 750 2850	Scaffolding, steel tubular, regular, accessory, plank, rent/mo, 2" x 10" x 16' L	100.0	Ea.	0	\$0	\$782	\$0	\$782	7.82	0.05
.04810 100 2020	Red brick, veneer, running bond, T.L. lots, 6.75/S.F., 4" x 2-2/3" x 8", includes 3% brick and 25% mortar waste, excludes scaffolding	7,821.0	S.F.	1,423	\$79,289	\$33,099	\$0	\$112,388	14.37	7.49
.04810 175 0100	Concrete masonry unit (CMU), bond beam, normal weight, 2000 psi, 8" x 8" x 16", excludes scaffolding, grout and vertical reinforcing	459.0	L.F.	33	\$1,811	\$1,143	\$0	\$2,954	6.44	0.20
.04810 186 1150	Concrete masonry unit (CMU), foundation wall, normal weight, hollow, 2000 psi, 8" x 8" x 16", includes trowel cut joints, 1/2" parging and alternate course joint reinforcing, excludes scaffolding	5,103.0	S.F.	490	\$27,360	\$20,902	\$0	\$48,262	9.46	3.22
.06160 800 0600	1/2" CDX plywood sheathing, on walls	8,200.0	S.F.	115	\$6,472	\$5,691	\$0	\$12,163	1.48	0.81
.07130 200 2700	Elastomeric Waterproofing, polyvinyl chloride sheets, plain, 30 mils thick	8,200.0	S.F.	238	\$11,047	\$2,901	\$0	\$13,948	1.70	0.93
.07210 900 1680	Wall Insulation, Rigid, isocyanurate, foil faced, both sides, 4' x 8' sheet, 4" thick, R28.8	8,200.0	S.F.	90	\$4,910	\$15,064	\$0	\$19,974	2.44	1.33

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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										

Exterior Walls - System

.07210 950 0140	Fiberglass insulation, kraft faced, batts or blankets for walls or ceilings, 6" thick, R19, 11" wide	9,000.0	S.F.	72	\$3,919	\$3,674	\$0	\$7,593	0.84	0.51
.07460 100 3630	Aluminum siding, flashing, sidewall, .032" thick	623.0	L.F.	25	\$1,280	\$1,619	\$0	\$2,899	4.65	0.19
04U	SUBTOTAL Exterior Walls - System			2,546				\$225,673		15.04

Structural Steel/Steel Joists

.05120 260 5200	Structural tubing, heavy section, 5" to 6" W, incl shop primer, cap & base plate, bolts	43,298.0	Lb.	216	\$11,195	\$46,547	\$7,070	\$64,812	1.50	4.32
.05120 440 0450	Angle framing, structural steel, less than 4", field fabricated, incl cutting & welding	1,050.0	Lb.	96	\$5,615	\$672	\$414	\$6,701	6.38	0.45
.05120 440 0672	Channel framing, structural steel, field fabricated, C8x11.5, incl cutting & welding	35.0	L.F.	23	\$1,357	\$260	\$103	\$1,720	49.14	0.11
.05120 480 2700	Lintel angle, structural, unpainted, 4"x3-1/2"x1/4" T, 9'-0" L	4.0	Ea.	3	\$144	\$193	\$0	\$337	84.37	0.02
.05120 640 0120	Structural steel member, 100-ton project, 1 to 2 story building, W6x16, A36 steel, shop fabricated, incl shop primer, bolted connections	230.0	L.F.	21	\$1,205	\$4,350	\$764	\$6,319	27.47	0.42
.05120 640 0140	Structural steel member, 100-ton project, 1 to 2 story building, W6x20, A36 steel, shop fabricated, incl shop primer, bolted connections	240.0	L.F.	22	\$1,257	\$5,699	\$797	\$7,753	32.31	0.52
.05120 640 0500	Structural steel member, 100-ton project, 1 to 2 story building, W8x31, A36 steel, shop fabricated, incl shop primer, bolted connections	257.0	L.F.	26	\$1,465	\$9,268	\$934	\$11,667	45.40	0.78
.05120 640 1100	Structural steel member, 100-ton project, 1 to 2 story building, W12x14, A36 steel, shop fabricated, incl shop primer, bolted connections	685.0	L.F.	44	\$2,442	\$11,326	\$1,557	\$15,325	22.37	1.02
.05120 640 1300	Structural steel member, 100-ton project, 1 to 2 story building, W12x19, A36 steel, shop fabricated, incl shop primer, bolted connections	120.0	L.F.	8	\$428	\$3,135	\$273	\$3,836	31.97	0.26
.05120 640 1300	Structural steel member, 100-ton project, 1 to 2 story building, W12x22, A36 steel, shop fabricated, incl shop primer, bolted connections	30.0	L.F.	2	\$107	\$784	\$68	\$959	31.97	0.06
.05120 640 1900	Structural steel member, 100-ton project, 1 to 2 story building, W14x22, A36 steel, shop fabricated, incl shop primer, bolted connections	40.0	L.F.	2	\$127	\$1,225	\$81	\$1,432	35.80	0.10
.05120 640 2100	Structural steel member, 100-ton project, 1 to 2 story building, W14x30, A36 steel, shop fabricated, incl shop primer, bolted connections	67.0	L.F.	4	\$234	\$2,371	\$148	\$2,753	41.08	0.18
.05120 640 2700	Structural steel member, 100-ton project, 1 to 2 story building, W16x26, A36 steel, shop fabricated, incl shop primer, bolted connections	86.0	L.F.	5	\$269	\$2,633	\$172	\$3,074	35.75	0.20

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
Bond:	0.00%				
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Structural Steel/Steel Joists</i>										
.05120 640 2900	Structural steel member, 100-ton project, 1 to 2 story building, W16x31, A36 steel, shop fabricated, incl shop primer, bolted connections	170.0	L.F.	11	\$595	\$6,130	\$375	\$7,100	41.76	0.47
.05120 640 3100	Structural steel member, 100-ton project, 1 to 2 story building, W16x40, A36 steel, shop fabricated, incl shop primer, bolted connections	55.0	L.F.	4	\$216	\$2,620	\$137	\$2,973	54.05	0.20
.05120 640 3300	Structural steel member, 100-ton project, 1 to 2 story building, W18x35, A36 steel, shop fabricated, incl shop primer, bolted connections	175.0	L.F.	15	\$829	\$7,263	\$381	\$8,473	48.42	0.56
.05120 640 3500	Structural steel member, 100-ton project, 1 to 2 story building, W18x40, A36 steel, shop fabricated, incl shop primer, bolted connections	205.0	L.F.	17	\$971	\$9,764	\$446	\$11,181	54.54	0.75
.05120 640 3900	Structural steel member, 100-ton project, 1 to 2 story building, W18x55, A36 steel, shop fabricated, incl shop primer, bolted connections	110.0	L.F.	10	\$549	\$7,185	\$254	\$7,989	72.63	0.53
.05120 640 3940	Structural steel member, 100-ton project, 1 to 2 story building, W18x76, A36 steel, shop fabricated, incl shop primer, bolted connections	235.0	L.F.	21	\$1,190	\$21,266	\$550	\$23,006	97.90	1.53
.05120 640 3960	Structural steel member, 100-ton project, 1 to 2 story building, W18x86, A36 steel, shop fabricated, incl shop primer, bolted connections	110.0	L.F.	10	\$557	\$11,227	\$257	\$12,041	109.46	0.80
.05120 640 4100	Structural steel member, 100-ton project, 1 to 2 story building, W21x44, A36 steel, shop fabricated, incl shop primer, bolted connections	370.0	L.F.	28	\$1,586	\$19,385	\$730	\$21,701	58.65	1.45
.05120 640 4300	Structural steel member, 100-ton project, 1 to 2 story building, W21x50, A36 steel, shop fabricated, incl shop primer, bolted connections	79.0	L.F.	6	\$339	\$4,676	\$156	\$5,171	65.45	0.34
.05120 640 4900	Structural steel member, 100-ton project, 1 to 2 story building, W24x55, A36 steel, shop fabricated, incl shop primer, bolted connections	136.0	L.F.	10	\$557	\$8,883	\$257	\$9,698	71.31	0.65
.05120 640 5500	Structural steel member, 100-ton project, 1 to 2 story building, W24x76, A36 steel, shop fabricated, incl shop primer, bolted connections	40.0	L.F.	3	\$164	\$3,620	\$76	\$3,859	96.48	0.26
.05120 640 6500	Structural steel member, 100-ton project, 1 to 2 story building, W30x116, A36 steel, shop fabricated, incl shop primer, bolted connections	55.0	L.F.	4	\$216	\$7,559	\$100	\$7,876	143.20	0.53
.05210 600 0160	Open web bar joist, 40-ton job lots, 12K3, 5.7 plf, spans up to 30', K series, shop fabricated, incl shop primer, horizontal bridging	120.0	L.F.	6	\$353	\$531	\$176	\$1,060	8.83	0.07
.05210 600 0200	Open web bar joist, 40-ton job lots, 16K3, 6.3 plf, spans up to 30', K series, shop fabricated, incl shop primer, horizontal bridging	150.0	L.F.	7	\$367	\$735	\$184	\$1,286	8.57	0.09
.05210 600 0260	Open web bar joist, 40-ton job lots, 18K6, 10.2 plf, spans up to 30', K series, shop fabricated, incl shop primer, horizontal bridging	1,210.0	L.F.	48	\$2,667	\$9,550	\$1,334	\$13,551	11.20	0.90
.05517 700 0900	Stair, custom, steel, maximum, per riser	43.0	Riser	69	\$4,330	\$18,432	\$228	\$22,990	534.64	1.53

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										

Structural Steel/Steel Joists

05A	SUBTOTAL	<i>Structural Steel/Steel Joists</i>			739			\$286,641		19.11
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Miscellaneous Metals

.05514 500 0020	Ladder, steel, 20" W, bolted to concrete, incl cage	44.0	V.L.F.	28	\$1,766	\$3,832	\$93	\$5,691	129.34	0.38
.05514 500 0400	Ladder, aluminum, 20" W, bolted to concrete, excl cage	10.0	V.L.F.	4	\$237	\$742	\$12	\$991	99.15	0.07
.05517 700 1500	Stair landing, concrete-filled metal pan, conventional	226.0	S.F.	45	\$2,860	\$7,842	\$151	\$10,853	48.02	0.72
.05520 700 0560	Railing, pipe, steel, galvanized, 2 rails, 1-1/2" dia	50.0	L.F.	10	\$633	\$1,249	\$33	\$1,915	38.29	0.13
.05530 340 2900	Floor grating, steel, expanded mesh, 7.0# per S.F., installed at ground level	79.0	S.F.	4	\$228	\$785	\$12	\$1,025	12.97	0.07
05C	SUBTOTAL	<i>Miscellaneous Metals</i>			91			\$20,475		1.36

Rough Carpentry

.06110 100 0200	Miscellaneous wood blocking, to steel construction	5.0	M.B.F.	222	\$12,247	\$4,116	\$0	\$16,364	3,272.72	1.09
06A	SUBTOTAL	<i>Rough Carpentry</i>			222			\$16,364		1.09

Finish Carpentry

.06410 100 0500	Custom Cabinets, built-in drawer units, pine, unfinished,	27.0	L.F.	11	\$595	\$5,952	\$0	\$6,547	242.49	0.44
.06415 100 0100	Counter Tops, stock, plastic laminate, 24" wide, includes backsplash, maximum	12.0	L.F.	4	\$211	\$299	\$0	\$510	42.53	0.03
06B	SUBTOTAL	<i>Finish Carpentry</i>			15			\$7,058		0.47

Water Proofing/Damproofing

.07130 500 0600	Membrane Waterproofing, membrane waterproofing on walls, 3 ply felt	5,500.0	S.F.	149	\$6,511	\$3,593	\$1,048	\$11,152	2.03	0.74
07A	SUBTOTAL	<i>Water Proofing/Damproofing</i>			149			\$11,152		0.74

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
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 Providence, Rohde Island

OWNER
 Rohde Island Air National Gaurd
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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Roofing</i>										
.05310 300 2600	Metal decking, steel, open type, wide rib, galvanized, under 50 Sq, 1-1/2" D, 20 ga	12,507.0	S.F.	100	\$5,787	\$22,806	\$340	\$28,933	2.31	1.93
.06110 555 6080	Wood framing, roofs, fascia boards, 2" x 10"	2.1	M.B.F.	113	\$6,203	\$2,438	\$0	\$8,640	4,075.60	0.58
.06110 555 7980	Wood framing, roof curbs, untreated, 2" x 6"	2.0	M.B.F.	62	\$3,402	\$1,837	\$0	\$5,239	2,619.54	0.35
.07220 700 2440	Roof Deck Insulation, composites with perlite, 1" thick	25,014.0	S.F.	250	\$11,573	\$27,572	\$0	\$39,145	1.56	2.61
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	125.0	Sq.	27	\$1,497	\$459	\$0	\$1,956	15.65	0.13
.07310 050 0600	Aluminum Shingles, ridge cap, .024" thick	276.0	L.F.	13	\$706	\$657	\$0	\$1,363	4.94	0.09
.07310 050 0700	Aluminum Shingles, end wall flashing, .024" thick	150.0	L.F.	7	\$384	\$267	\$0	\$651	4.34	0.04
.07310 050 1200	Aluminum Shingles, side wall flashing, .024" thick	605.0	L.F.	28	\$1,548	\$1,079	\$0	\$2,626	4.34	0.18
.07410 700 0925	Steel Roofing, on steel frame, flat profile, 2" x 2" batten, standard finish, 16-1/2" wide, 22 gauge	11,370.0	S.F.	409	\$20,578	\$108,306	\$0	\$128,884	11.34	8.59
.07460 100 3690	Snow guard	357.8	L.F.	14	\$735	\$375	\$0	\$1,110	3.10	0.07
.07710 650 0400	Aluminum gutters, stock units, enameled, 5" box, .032" thick	378.0	L.F.	25	\$1,615	\$643	\$0	\$2,258	5.97	0.15
.077106500600	Aluminum gutters, enameled, .032" thick, 5" x 6" combination fascia & gutter	223.0	L.F.	30	\$1,897	\$1,086	\$0	\$2,983	13.38	0.20
07B	SUBTOTAL Roofing			1,079				\$223,790		14.92
<i>Building Insulation</i>										
.07210 550 0300	Masonry Insulation, in cores of concrete block, 8" thick wall, .258 CF/SF	6,332.0	S.F.	44	\$2,154	\$3,619	\$0	\$5,773	0.91	0.38
07C	SUBTOTAL Building Insulation			44				\$5,773		0.38

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Metal Cladding</i>										
.07460 100 2760	Aluminum siding, ribbed, on steel frame, painted, .050" thick, 3" profile	6,815.0	S.F.	279	\$14,374	\$21,237	\$0	\$35,612	5.23	2.37
.07460 100 3650	Aluminum siding, flashing, endwall, .040" thick	605.0	L.F.	24	\$1,243	\$1,836	\$0	\$3,079	5.09	0.21
07D	SUBTOTAL Metal Cladding			304				\$38,691		2.58
<i>Hollow Metal Doors/Windows</i>										
.08110 200 0120	Doors, commercial, steel, flush, full panel, hollow core, for vision lite, add	3.0	Ea.		\$0	\$210	\$0	\$210	70.08	0.01
.08110 200 0400	Doors, commercial, steel, flush, half glass, hollow core, 20 ga., 3'-0" x 7'-0"	8.0	Ea.	8	\$414	\$2,656	\$0	\$3,070	383.75	0.20
.08110 200 0680	Doors, commercial, steel, flush, full panel, hollow core, 20 ga., 4'-0" x 7'-0" x 1-3/4" thick	2.0	Ea.	2	\$117	\$748	\$0	\$865	432.73	0.06
.08110 200 1760	Doors, commercial, steel, insulated, full panel, 18 ga., 3'-0" x 7'-0" x 1-3/4" thick	7.0	Ea.	7	\$410	\$2,010	\$0	\$2,420	345.64	0.16
.08110 250 0100	Door frames, steel channels with anchors and bar stops, 6" channel@ 8.2 lb/LF, 3' x 7' door, weighs 150 lb	51.0	Ea.	126	\$7,912	\$8,467	\$416	\$16,795	329.31	1.12
.08110 820 2840	Frames, steel, knock down, double, 14 ga., up to 3-7/8" deep, 7'-0" h x 6'-0" w	4.0	Ea.	5	\$250	\$539	\$0	\$789	197.32	0.05
.08410 140 0700	Windows	988.0	S.F.	137	\$7,260	\$32,940	\$0	\$40,200	40.69	2.68
08A	SUBTOTAL Hollow Metal Doors/Windows			285				\$64,349		4.29
<i>Wood Doors</i>										
.08210 950 2260	Doors, wood, fire, custom architectural "B" label, birch, solid core, 1-3/4" x 3'-0" x 7'-0"	30.0	Ea.	34	\$1,878	\$16,717	\$0	\$18,595	619.84	1.24
.08210 950 2420	Doors, wood, fire, custom architectural "B" label, birch, solid core, 1-3/4" x 4'-0" x 8'-0"	3.0	Ea.	4	\$241	\$2,817	\$0	\$3,058	1,019.24	0.20
08B	SUBTOTAL Wood Doors			39				\$21,653		1.44
<i>Special Doors...Garage, Folding, Overhead</i>										
.08110 250 0700	Door frames, steel channels with anchors and bar stops, 12" channel@ 20.7 lb/LF, 12' x 16' door, weighs 1000 lb	4.0	Ea.	32	\$2,014	\$4,409	\$106	\$6,529	1,632.21	0.44

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
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OWNER
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 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Special Doors...Garage, Folding, Overhead</i>										
.08360 550 2700	Doors, overhead, commercial, stock, steel, heavy duty, sectional, manual, 24 gauge, 12' x 12' high	10.0	Ea.	107	\$5,851	\$13,268	\$0	\$19,119	1,911.92	1.27
.08360 550 2860	Doors, overhead, commercial, stock, steel, heavy duty, sectional, for 1-1/4" rigid insulation and 26 gauge galvanized back panel, add	200.0	S.F.	0	\$0	\$623	\$0	\$623	3.12	0.04
.08360 550 2950	Doors, overhead, commercial, stock, steel, heavy duty, sectional, for electric trolley operator, 1/2 HP, over 12' x 12', add	10.0	Ea.	80	\$4,423	\$10,206	\$0	\$14,629	1,462.86	0.98
08C	SUBTOTAL Special Doors...Garage, Folding, Overhead			219				\$40,900		2.73
<i>Glazing</i>										
.08810 260 1700	Float Glass, tinted, 3/8" thick	60.0	S.F.	13	\$653	\$857	\$0	\$1,510	25.17	0.10
08E	SUBTOTAL Glazing			13				\$1,510		0.10
<i>Hardware</i>										
.08710 150 2550	Door hardware, school, single, interior, regular use, incl. handicap lever	18.0	Door	36	\$1,715	\$8,696	\$0	\$10,410	578.34	0.69
.08710 150 2600	Door hardware, school, single, interior, heavy use, incl. lever and closer	19.0	Door	51	\$2,416	\$11,635	\$0	\$14,051	739.53	0.94
.08710 150 3100	Door hardware, school, double, exterior, incl. panic device	5.0	Pr.	40	\$1,905	\$6,192	\$0	\$8,097	1,619.35	0.54
.13710 300 0140	Access Control, for each door, min, add	5.0	Ea.	0	\$0	\$9,015	\$0	\$9,015	1,803.06	0.60
08G	SUBTOTAL Hardware			127				\$41,573		2.77
<i>Drywall</i>										
.05420 300 0230	Boxed headers/beam, galv CF joist/LB track for CF metal joists, double, 18 ga x 12" D	605.0	L.F.	51	\$2,577	\$5,104	\$0	\$7,681	12.70	0.51
.09110 100 1780	Metal stud partition, non-load bearing, galv., 6" wide, 20 gauge, 16" O.C., includes top & bottom track	10,618.0	S.F.	181	\$10,259	\$8,814	\$0	\$19,073	1.80	1.27
.09110 100 2400	Metal stud partition, non-load bearing, galvanized, 4" wide, 25 gauge, 16" O.C., includes top & bottom track	569.0	S.F.	10	\$550	\$209	\$0	\$759	1.33	0.05
.09120 100 8300	Suspended Ceiling System, 1 1/2" carriers, 24" O.C. with 7/8" channels, 16" O.C., incl. carriers	2,200.0	S.F.	106	\$5,628	\$958	\$0	\$6,586	2.99	0.44

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Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Drywall</i>										
.09205 530 0300	Furring, ceilings, on steel, galv., 7/8" channels, 16" O.C.	3,563.0	S.F.	100	\$4,994	\$970	\$0	\$5,964	1.67	0.40
.09205 530 1600	Furring, walls, on steel, galv., 1-5/8" channels, 16" O.C.	4,265.0	S.F.	141	\$7,255	\$1,567	\$0	\$8,822	2.07	0.59
.09250 700 2090	Gypsum wallboard, on walls, standard, w/compound skim coat (level 5 finish), 5/8" thick	7,785.0	S.F.	163	\$8,793	\$4,132	\$0	\$12,924	1.66	0.86
.09250 700 3090	Gypsum wallboard, on ceilings, standard, w/compound skim coat (level 5 finish), 5/8" thick	2,200.0	S.F.	57	\$3,143	\$1,168	\$0	\$4,311	1.96	0.29
.09260 100 3800	Partition Wall, interior, standard, taped both sides, installed on & incl.25 ga, NLB metal studs, 3 5/8" wide, 16" O.C., 8' to 12' high, 5/8" gypsum drywall	10,424.0	S.F.	490	\$26,810	\$13,476	\$0	\$40,285	3.86	2.69
.09820 500 1500	Sound Attenuation Blankets, 3" thick	11,542.0	S.F.	104	\$5,497	\$9,110	\$0	\$14,607	1.27	0.97
09C	SUBTOTAL Drywall			1,402				\$121,012		8.07
<i>Acoustical</i>										
.09130 100 0050	Ceiling Suspension System, class A, 15/16" T bar, 2' x 4" grid	762.0	S.F.	8	\$436	\$487	\$0	\$923	1.21	0.06
.09130 100 0300	Acoustic ceiling grid, 2' x 2'	4,149.0	S.F.	50	\$2,936	\$3,275	\$0	\$6,211	1.50	0.41
.09510 700 1130	Suspended Acoustic Ceiling Tiles, mineral Fiber Tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	4,811.0	S.F.	63	\$3,535	\$14,338	\$0	\$17,873	3.71	1.19
09D	SUBTOTAL Acoustical			120				\$25,006		1.67
<i>Ceramic Tile, Quarry Tile, Special Flooring</i>										
.09310 100 0700	Ceramic tile, cove base, thin set, 4-1/4" x 4-1/4"	300.0	L.F.	38	\$1,931	\$1,302	\$0	\$3,233	10.78	0.22
.09310 100 3310	Ceramic tile, floors, glazed, porcelain type, thin set, 1 color, color group 2, 2" x 2" or 2" x 1"	1,268.0	S.F.	107	\$5,504	\$7,144	\$0	\$12,648	9.97	0.84
.09310 100 5400	Ceramic tile, walls, interior, thin set, 4-1/4" x 4-1/4"	2,300.0	S.F.	193	\$9,984	\$6,760	\$0	\$16,745	7.28	1.12
09E	SUBTOTAL Ceramic Tile, Quarry Tile, Special Flooring			337				\$32,626		2.18

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Resilient and Wood Flooring</i>										
.09651 200 1500	Cove base, rubber or vinyl, standard colors, 1/8" thick, 4" h	3,144.0	L.F.	79	\$4,749	\$2,909	\$0	\$7,658	2.44	0.51
.09651 200 1630	Cove base, rubber or vinyl, standard colors, corners, 4" h	350.0	Ea.	9	\$529	\$562	\$0	\$1,091	3.12	0.07
.09658 100 7400	Resilient Flooring, vinyl composition tile, solid, 12" x 12" x 1/8"	2,379.0	S.F.	38	\$2,234	\$6,248	\$0	\$8,482	3.57	0.57
09F	SUBTOTAL Resilient and Wood Flooring			125				\$17,231		1.15
<i>Carpet</i>										
.09680 800 3340	Carpet, commercial grades, direct cement, nylon, plush	360.0	S.Y.	41	\$2,440	\$21,310	\$0	\$23,750	65.97	1.58
09G	SUBTOTAL Carpet			41				\$23,750		1.58
<i>Painting and Wall Covering</i>										
.03060 100 1620	Concrete surface treatment, sealer, hardener and dustproofer, colors, 450 S.F., includes material only, minimum	8.0	Gal.	16	\$544	\$188	\$0	\$733	91.58	0.05
.09910 920 1240	Paints & Coatings, walls & ceilings, interior, concrete, drywall or plaster, oil base, 3 coats, smooth finish, roller	5,700.0	S.F.	68	\$5,236	\$1,008	\$0	\$6,244	1.10	0.42
.09910 920 1280	Paints & Coatings, walls & ceilings, interior, concrete, drywall or plaster, oil base, 3 coats, smooth finish, spray	28,583.0	S.F.	143	\$7,390	\$4,667	\$0	\$12,058	0.42	0.80
.09910 920 2880	Paints & Coatings, walls & ceilings, interior, masonry or concrete block, oil base, 2 coats, smooth finish, spray	500.0	S.F.	3	\$143	\$88	\$0	\$231	0.46	0.02
.09910 920 4000	Paints & Coatings, walls & ceilings, interior, masonry or concrete block, block filler, 1 coat, brushwork	500.0	S.F.	10	\$476	\$82	\$0	\$558	1.12	0.04
09H	SUBTOTAL Painting and Wall Covering			240				\$19,824		1.32
<i>Toilet Accessories</i>										
.10170 100 1050	Toilet cubicles, floor & ceiling anchored, phenolic	5.0	Ea.	16	\$769	\$6,260	\$0	\$7,029	1,405.71	0.47
.10180 100 5700	Partitions, toilet, urinal screen, floor mounted, pilaster, flush	3.0	Ea.	5	\$231	\$2,796	\$0	\$3,027	1,009.03	0.20
.10810 100 0610	Bath accessories, dispenser units, towel dispenser & waste receptacle, 18 gallon capacity	4.0	Ea.	3	\$155	\$1,486	\$0	\$1,641	410.28	0.11

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GENERAL CONTRACTOR ADJUSTMENTS					
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Bond:	0.00%				
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Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Toilet Accessories</i>										
.10810 100 1300	Bath accessories, grab bars, straight, satin finish, 2 1/2" dia x 36" long	4.0	Ea.	2	\$77	\$299	\$0	\$376	94.03	0.03
.10810 100 1310	Bath accessories, grab bars, straight, satin finish, 2 1/2" diameter x 42" long	4.0	Ea.	2	\$85	\$278	\$0	\$363	90.77	0.02
.10810 100 3300	Bath accessories, mirror, 72" x 24", with sst 3/4" square frame	4.0	Ea.	5	\$256	\$1,138	\$0	\$1,393	348.36	0.09
.10810 100 4400	Bath accessories, robe hook, heavy duty, concealed mounting	6.0	Ea.	1	\$64	\$94	\$0	\$158	26.33	0.01
.10810 100 4600	Bath accessories, soap dispenser, chrome, surface mounted, liquid	6.0	Ea.	2	\$115	\$359	\$0	\$474	79.06	0.03
.10810 100 6200	Bath accessories, toilet tissue dispenser, stainless steel, surface mounted, double roll	6.0	Ea.	2	\$96	\$135	\$0	\$231	38.51	0.02
.108101002600	Bath accessories, hat & coat strip, stainless steel, 4 hook, 36" long	4.0	Ea.	1	\$64	\$278	\$0	\$342	85.39	0.02
.108101003600	Bath accessories, mirror, 36" x 24", with 5" sst shelf & ss 3/4" square frame	2.0	Ea.	1	\$51	\$365	\$0	\$416	208.00	0.03
.108101004200	Bath accessories, sanitary napkin dispenser recessed	2.0	Ea.	1	\$51	\$898	\$0	\$949	474.72	0.06
.10890 100 0700	Signs	59.0	Ea.	15	\$1,606	\$1,606	\$614	\$3,826	64.84	0.26
10A	SUBTOTAL Toilet Accessories			57				\$20,226		1.35
<i>Lockers</i>										
.105055000140	Lockers, steel, baked enamel, single tier box, 18" x 18" x 72"	32.0	Ea.	32	\$1,807	\$7,969	\$0	\$9,776	305.50	0.65
.105055000520	Lockers, steel, baked enamel, duplex, 15" x 15" x 72"	66.0	Ea.	66	\$3,727	\$21,016	\$0	\$24,743	374.90	1.65
10C	SUBTOTAL Lockers			98				\$34,519		2.30
<i>Miscellaneous</i>										
.06110 100 2740	Miscellaneous wood blocking, to steel construction	2.0	M.B.F.	114	\$6,260	\$1,647	\$0	\$7,906	3,953.12	0.53

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Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										

Miscellaneous

.10185 100 0100	Shower/dressing compartments, floor mounted, cabinet, no door, painted steel, 1" thick walls, includes bases, excludes plumbing	2.0	Ea.	6	\$362	\$2,000	\$0	\$2,362	1,181.17	0.16
.10265 250 1000	Corner protection, vinyl cover, aluminum retainer, surface mount, 3" x 3"	60.0	L.F.	10	\$482	\$543	\$0	\$1,025	17.08	0.07
.105055002100	Locker, bench, laminated maple, top only	22.0	L.F.	2	\$99	\$400	\$0	\$499	22.68	0.03
.10525 300 3060	Fire extinguishers, dry chemical, outside cartridge to -65 degrees F, painted, 26 lb	6.0	Ea.		\$0	\$2,172	\$0	\$2,172	361.97	0.14
10D	SUBTOTAL Miscellaneous			132				\$13,964		0.93

Furnishings

.123102002200	Display cases, glass front, aluminum frame, non-illuminated, one section, 6' x 4' x 1' 4", wall mounted	1.0	Ea.	4	\$192	\$2,075	\$0	\$2,267	2,267.09	0.15
.12483 200 0350	Floor mats, recessed, in-laid rubber, perforated, in colors, 1/2" thick	150.0	S.F.	8	\$292	\$6,226	\$0	\$6,518	43.45	0.43
12A	SUBTOTAL Furnishings			12				\$8,785		0.59

Special Construction

.01590 400 1525	Parachute equipment	1.0	LS	0	\$0	\$0	\$16,384	\$16,384	16,384.03	1.09
.01590 400 1525	Communications	1.0	LS	0	\$0	\$0	\$14,969	\$14,969	14,968.80	1.00
.01590 400 1525	Fire Detection	1.0	LS	0	\$0	\$0	\$16,330	\$16,330	16,329.60	1.09
.01590 400 1525	Intercom	1.0	LS	0	\$0	\$0	\$10,206	\$10,206	10,206.00	0.68
.01590 400 1525	Television	1.0	LS	0	\$0	\$0	\$8,165	\$8,165	8,164.80	0.54
.01590 400 1525	Security	1.0	LS	0	\$0	\$0	\$10,886	\$10,886	10,886.40	0.73
.13101 055 0500	Lightning Protection, air terminal and base, copper, 1/2" dia x 12", over 75' h	34.0	Ea.	34	\$1,966	\$1,781	\$0	\$3,748	110.22	0.25

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Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

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<i>EF Aerial Port Training Facility</i>										

Special Construction

.16060 800 0100	Grounding rod, copper clad, 10' long, 3/4" diameter	5.0	Ea.	9	\$521	\$279	\$0	\$799	159.89	0.05
.16060 800 0100	Grounding rod, copper clad, 20' long, 3/4" diameter	2.0	Ea.	5	\$408	\$240	\$0	\$648	323.87	0.04
.16060 800 0330	Ground wire, copper wire, bare solid, #12	24.2	C.L.F.	15	\$856	\$161	\$0	\$1,018	42.05	0.07
.16060 800 0700	Ground wire, copper wire, bare stranded, 1/0	12.0	C.L.F.	24	\$1,380	\$1,282	\$0	\$2,662	221.81	0.18
13A	SUBTOTAL Special Construction			87				\$85,814		5.72

Elevators and Escalators

.14210 200 0420	Elevators, holeless hydraulic passenger, 2500 lb capacity, 2 story	0.6	Ea.	96	\$5,817	\$27,107	\$0	\$32,925	54,874.26	2.19
.14610 500 2500	Material Handling Hoists, electric overhead, chain, hook hung, 15' lift, 5 ton capacity	1.0	Ea.	0	\$0	\$7,246	\$0	\$7,246	7,246.26	0.48
.14630 700 0250	Overhead Bridge Cranes, under hung hoist, electric operating, 1 girder, 5 ton, 30' span	1.0	Ea.	34	\$1,735	\$26,400	\$201	\$28,336	28,335.94	1.89
14	SUBTOTAL Elevators and Escalators			130				\$68,507		4.57

Plumbing

.15080 600 8330	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/4" wall, 1/2" iron pipe size	263.0	L.F.	24	\$1,385	\$345	\$0	\$1,731	6.58	0.12
.15080 600 8340	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/4" wall, 3/4" iron pipe size	624.0	L.F.	56	\$3,287	\$983	\$0	\$4,270	6.84	0.28
.15080 600 8350	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/4" wall, 1" iron pipe size	278.0	L.F.	25	\$1,480	\$534	\$0	\$2,014	7.24	0.13
.15080 600 8370	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/4" wall, 1-1/2" iron pipe size	89.0	L.F.	8	\$479	\$300	\$0	\$779	8.75	0.05
.15080 600 8380	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/4" wall, 2" iron pipe size	168.0	L.F.	16	\$915	\$664	\$0	\$1,579	9.40	0.11
.15107 420 1140	Pipe, copper, tubing, solder, 1/2" diameter, type K, includes coupling & clevis hanger 10' O.C.	263.0	L.F.	27	\$1,734	\$487	\$0	\$2,221	8.45	0.15

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Cubic Footage: 150,000 Square Footage: 15,000

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Plumbing</i>										
15107 420 1180	Pipe, copper, tubing, solder, 3/4" diameter, type K, includes coupling & clevis hanger 10' O.C.	624.0	L.F.	67	\$4,356	\$1,786	\$0	\$6,142	9.84	0.41
15107 420 1200	Pipe, copper, tubing, solder, 1" diameter, type K, includes coupling & clevis hanger 10' O.C.	278.0	L.F.	34	\$2,171	\$1,026	\$0	\$3,197	11.50	0.21
15107 420 1240	Pipe, copper, tubing, solder, 1-1/2" diameter, type K, includes coupling & clevis hanger 10' O.C.	89.0	L.F.	14	\$917	\$516	\$0	\$1,432	16.09	0.10
15107 420 1260	Pipe, copper, tubing, solder, 2" diameter, type K, includes coupling & clevis hanger 10' O.C.	168.0	L.F.	34	\$2,160	\$1,452	\$0	\$3,611	21.50	0.24
15107 620 0570	gasPipe, steel, black, threaded, 3/4" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	380.0	L.F.	50	\$3,204	\$877	\$0	\$4,082	10.74	0.27
151073202120	Pipe, cast iron soil, one hub, service weight, 2" diameter, lead and oakum joints 10' OC, includes hangers 5' O.C.	460.0	L.F.	117	\$6,772	\$3,497	\$0	\$10,270	22.33	0.68
151073202140	Pipe, cast iron soil, one hub, service weight, 3" diameter, lead and oakum joints 10' OC, includes hangers 5' O.C.	240.0	L.F.	64	\$3,699	\$2,538	\$0	\$6,237	25.99	0.42
151073202160	Pipe, cast iron soil, one hub, service weight, 4" diameter, lead and oakum joints 10' OC, includes hangers 5' O.C.	346.0	L.F.	101	\$5,811	\$4,687	\$0	\$10,499	30.34	0.70
15120 320 2000	Expansion tanks, steel, liquid expansion, painted, 15 gallon capacity, ASME	2.0	Ea.	2	\$109	\$1,189	\$0	\$1,298	649.04	0.09
15140 100 1140	Backflow preventer, double check principle, corrosion resistant, automatic operation, gate valves, threaded, 1-1/2" pipe size, includes valves and four test cocks	4.0	Ea.	3	\$205	\$4,783	\$0	\$4,988	1,246.92	0.33
15140 100 1160	Backflow preventer, double check principle, corrosion resistant, automatic operation, gate valves, threaded, 2" pipe size, includes valves and four test cocks	1.0	Ea.	1	\$74	\$1,486	\$0	\$1,560	1,560.04	0.10
15140 100 1420	Backflow preventer, double check principle, corrosion resistant, automatic operation, OS&Y valves, flanged, 6" pipe size, includes valves and four test cocks	6.0	Ea.	48	\$2,903	\$33,385	\$0	\$36,288	6,048.00	2.42
15150 300 2040	Drain, floor, medium duty, cast iron, deep flange, 7" diameter top, 2" and 3" pipe size	15.0	Ea.	20	\$1,161	\$1,897	\$0	\$3,059	203.90	0.20
15160 500 6000	Drain, trench, floor, heavy duty, modular, cast iron, 12" x 12" top, 2", 3", 4", 5" and 6" pipe size	22.0	Ea.	44	\$2,555	\$12,317	\$0	\$14,872	675.99	0.99
15180 200 1220	Pump, circulating, bronze, heated or chilled water application, in line, flanged joints, 1/4 H.P., 3" size	1.0	Ea.	4	\$232	\$1,797	\$0	\$2,029	2,029.36	0.14
15411 500 2100	Hydrant, wall type, non-freeze, bronze, encased, 3/4" I.P.S connection, 5" to 9" thick wall	5.0	Ea.	3	\$183	\$2,212	\$0	\$2,395	479.00	0.16

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Plumbing</i>										
15411 700 3120	Urinal, wall hung, vitreous china, with hanger & self-closing valve, blowout type	4.0	Ea.	21	\$1,233	\$2,018	\$0	\$3,251	812.85	0.22
15411 700 3300	Urinal, wall hung, rough-in, supply, waste and vent	4.0	Ea.	23	\$1,316	\$597	\$0	\$1,913	478.31	0.13
15413 900 2600	Water cooler, wall mounted, non-recessed, wheelchair type, 8 GPH	2.0	Ea.	8	\$464	\$4,631	\$0	\$5,096	2,547.76	0.34
15413 900 9800	Water cooler, for supply, waste and vent, all coolers	2.0	Ea.	7	\$464	\$137	\$0	\$601	300.67	0.04
15414 200 2000	Industrial safety fixture, eyewash station, stainless steel, pedestal mounted, excludes rough-in	1.0	Ea.	4	\$232	\$442	\$0	\$675	674.61	0.04
15418 400 0200	Laundry sink, porcelain enamel on cast iron, double compartment, 48" x 20", includes trim	1.0	Ea.	3	\$185	\$684	\$0	\$870	869.53	0.06
15418 400 9600	Laundry sink, rough-in supply, waste and vent for all laundry sinks	1.0	Ea.	7	\$435	\$115	\$0	\$551	550.89	0.04
15418 450 0640	Lavatory, vanity top, porcelain enamel on cast iron, white, oval, 33" x 19", includes trim	5.0	Ea.	13	\$726	\$3,283	\$0	\$4,009	801.79	0.27
15418 450 3580	Lavatory, vanity top, rough-in, supply, waste and vent	5.0	Ea.	35	\$2,018	\$511	\$0	\$2,530	505.96	0.17
15418 450 6820	Lavatory, wall hung, vitreous china, white, hospital type, clinic service, liquid/solid waste, 20" x 24", excludes trim (see 15410-300)	2.0	Ea.	5	\$310	\$2,350	\$0	\$2,660	1,329.87	0.18
15418 450 6960	Lavatory, wall hung, rough-in, supply, waste and vent	2.0	Ea.	19	\$1,120	\$716	\$0	\$1,836	917.91	0.12
15418 500 5800	Shower, mixing valve, built-in	3.0	Ea.	4	\$259	\$494	\$0	\$753	250.91	0.05
15418 600 2200	Sink, kitchen, counter top style, porcelain enamel on cast iron, double bowl, 32" x 21", includes faucet and drain	2.0	Ea.	7	\$387	\$940	\$0	\$1,327	663.55	0.09
15418 600 4980	Sink, kitchen, counter top style, rough-in, supply, waste and vent	2.0	Ea.	15	\$871	\$231	\$0	\$1,102	550.89	0.07
15418 900 1050	Water closet, tank type, vitreous china, floor mounted, combination, one piece, includes seat, supply pipe with stop	4.0	Ea.	12	\$702	\$4,285	\$0	\$4,988	1,246.92	0.33
15418 900 1980	Water closet, tank type, vitreous china, floor mounted, rough-in, supply, waste and vent, one piece	4.0	Ea.	21	\$1,217	\$846	\$0	\$2,063	515.64	0.14

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										

Plumbing

15418 900 3160	Water closet, bowl only, wall hung, hospital type, slotted rim for bed pan, elongated bowl, includes flush valve and seat	2.0	Ea.	6	\$321	\$1,161	\$0	\$1,482	740.97	0.10
15418 900 3200	Water closet, bowl only, wall hung, hospital type, slotted rim for bed pan, rough-in, supply, waste and vent	2.0	Ea.	13	\$724	\$899	\$0	\$1,623	811.47	0.11
15440 940 7540	Pump, submersible sump, automatic, cast iron, 1/3 H.P., 1-1/4" discharge	1.0	Ea.	1	\$86	\$228	\$0	\$314	314.50	0.02
15460 900 6070	Water softener, softener systems, 50,000 grains, 17 GPM	1.0	Ea.	4	\$257	\$1,624	\$0	\$1,881	1,881.45	0.13
15480 200 4240	Water heater, commercial, electric, 100 Deg. rise, 36 kW, 148 GPH, 208 V, 120 gallon, note: for each size tank a range of heaters between the ones shown are available	1.0	Ea.	7	\$429	\$6,601	\$0	\$7,030	7,029.50	0.47
15A	SUBTOTAL Plumbing			996				\$171,106		11.41

Fire Protection

13930 400 0820	Sprinkler System Components, standpipe	1.0	Ea.	8	\$885	\$2,041	\$0	\$2,926	2,925.72	0.20
13930 400 0820	Sprinkler System Components, air compressor for dry pipe system, automatic, complete, 280 gal system capacity, 3/4 HP	1.0	Ea.	6	\$370	\$1,021	\$0	\$1,391	1,390.74	0.09
13930 400 1220	Sprinkler System Components, alarm, water motor, complete with gong	4.0	Ea.	8	\$482	\$1,051	\$0	\$1,532	383.07	0.10
13930 400 2060	Sprinkler System Components, release, emergency, thermostatic, for hydraulic or pneumatic release line	6.0	Ea.	2	\$145	\$2,490	\$0	\$2,635	439.13	0.18
13930 400 3730	Sprinkler System Components, sprinkler heads, standard spray, pendent or upright, brass, 135 to 286 degrees F, 1/2" NPT, 7/16" orifice, excl. supply piping	243.0	Ea.	122	\$7,275	\$2,282	\$0	\$9,556	39.33	0.64
13930 400 6260	Sprinkler System Valve Alarm, 3" size, incl. retard chamber, trim, gauges & alarm line strainer	4.0	Ea.	21	\$1,154	\$4,708	\$0	\$5,862	1,465.58	0.39
13930 400 6280	Sprinkler System Valve Alarm, 4" size, incl. retard chamber, trim, gauges & alarm line strainer	0.0	Ea.	0	#Error	#Error	#Error	\$0	#Num!	0.00
13930 400 6520	Sprinkler System Components, valves, check, swing, cast iron body, brass fittings, auto. ball drip, 4" size	3.0	Ea.	16	\$865	\$682	\$0	\$1,547	515.74	0.10
13930 400 6540	Sprinkler System Components, valves, check, swing, cast iron body, brass fittings, auto. ball drip, 6" size	1.0	Ea.	8	\$456	\$422	\$0	\$878	877.72	0.06
13930 400 8220	Sprinkler System Components, valves, dry pipe, 4" size, incl. trim & gauges	4.0	Ea.	64	\$3,456	\$7,212	\$0	\$10,669	2,667.17	0.71

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DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Fire Protection</i>										
.13930 400 8240	Sprinkler System Components, valves, dry pipe, 6" size, incl. trim & gauges	1.0	Ea.	16	\$919	\$2,143	\$0	\$3,062	3,061.80	0.20
.15107 620 0580	Pipe, steel, black, threaded, 1" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	721.0	L.F.	109	\$7,027	\$2,392	\$0	\$9,419	13.06	0.63
.15107 620 0590	Pipe, steel, black, threaded, 1-1/4" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	450.0	L.F.	81	\$4,697	\$1,816	\$0	\$6,513	14.47	0.43
.15107 620 0600	Pipe, steel, black, threaded, 1-1/2" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	838.0	L.F.	168	\$9,731	\$3,858	\$0	\$13,589	16.22	0.91
.15107 620 0610	Pipe, steel, black, threaded, 2" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	132.0	L.F.	33	\$1,907	\$783	\$0	\$2,690	20.38	0.18
.15107 620 0620	Pipe, steel, black, threaded, 2-1/2" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	144.0	L.F.	46	\$2,667	\$1,453	\$0	\$4,121	28.62	0.27
.15107 620 0630	Pipe, steel, black, threaded, 3" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	18.0	L.F.	7	\$388	\$233	\$0	\$621	34.49	0.04
.15107 620 0640	Pipe, steel, black, threaded, 3-1/2" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	0.0	L.F.	0	#Error	#Error	#Error	\$0	#Num!	0.00
.15107 620 0650	Pipe, steel, black, threaded, 4" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	0.0	L.F.	0	#Error	#Error	#Error	\$0	#Num!	0.00
.15107 620 2110	Pipe, steel, black, welded, 4" diameter, schedule 40, Spec. A-53, includes yoke & roll hangers, sized for covering, 10' OC	0.0	L.F.	0	#Error	#Error	#Error	\$0	#Num!	0.00
.15107 620 2130	Pipe, steel, black, welded, 6" diameter, schedule 40, Spec. A-53, includes yoke & roll hangers, sized for covering, 10' OC	9.0	L.F.	6	\$361	\$226	\$28	\$615	68.35	0.04
.15107 620 3350	Pipe, steel, black, flanged, weld neck, 150 lb., 3-1/2" diameter, schedule 40, Spec. A-53, includes flange set, yoke & roll hangers, sized for covering, 10' OC	25.0	L.F.	14	\$795	\$499	\$96	\$1,390	55.60	0.09
.15107 620 3360	Pipe, steel, black, flanged, weld neck, 150 lb., 4" diameter, schedule 40, Spec. A-53, includes flange set, yoke & roll hangers, sized for covering, 10' OC	54.0	L.F.	33	\$1,941	\$1,426	\$231	\$3,597	66.62	0.24
.15107 620 3370	Pipe, steel, black, flanged, weld neck, 150 lb., 5" diameter, schedule 40, Spec. A-53, includes flange set, yoke & roll hangers, sized for covering, 10' OC	4.0	L.F.	3	\$177	\$141	\$21	\$339	84.78	0.02
.15107 620 3380	Pipe, steel, black, flanged, weld neck, 150 lb., 6" diameter, schedule 40, Spec. A-53, includes flange set, yoke & roll hangers, sized for covering, 10' OC	42.0	L.F.	40	\$2,410	\$1,713	\$187	\$4,309	102.60	0.29
.15107 640 5100	Elbow, 90 Deg., steel, malleable iron, black, straight, threaded, 150 lb., 1"	27.9	Ea.	17	\$1,118	\$124	\$0	\$1,243	44.54	0.08

PROJECT: Rohde Island Air National Guard
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 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Fire Protection</i>										
.15107 640 5120	Elbow, 90 Deg., steel, malleable iron, black, straight, threaded, 150 lb., 1-1/2"	22.0	Ea.	18	\$1,019	\$211	\$0	\$1,230	55.92	0.08
.15107 640 5510	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 1"	28.0	Ea.	28	\$1,800	\$174	\$0	\$1,974	70.50	0.13
.15107 640 5520	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 1-1/4"	46.0	Ea.	53	\$3,021	\$518	\$0	\$3,539	76.93	0.24
.15107 640 5530	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 1-1/2"	114.0	Ea.	140	\$8,116	\$1,600	\$0	\$9,716	85.22	0.65
.15107 640 5540	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 2"	18.0	Ea.	26	\$1,518	\$429	\$0	\$1,947	108.17	0.13
.15107 640 5550	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 2-1/2"	17.0	Ea.	30	\$1,751	\$870	\$0	\$2,620	154.14	0.17
.15107 640 5560	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 3"	4.0	Ea.	11	\$619	\$304	\$0	\$923	230.86	0.06
.15107 640 5570	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 3-1/2"	0.0	Ea.	0	#Error	#Error	#Error	\$0	#Num!	0.00
.15107 640 5580	Tee, steel, malleable iron, black, straight, threaded, 150 lb., 4"	0.0	Ea.	0	#Error	#Error	#Error	\$0	#Num!	0.00
.15107 660 0130	Elbow, 90 Deg., steel, cast iron, black, straight, flanged, standard weight, 6" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	1.0	Ea.	3	\$160	\$336	\$0	\$496	496.28	0.03
.15107 660 0390	Tee, steel, cast iron, black, straight, flanged, standard weight, 3" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	6.0	Ea.	14	\$796	\$1,286	\$0	\$2,082	346.98	0.14
.15107 660 0400	Tee, steel, cast iron, black, straight, flanged, standard weight, 4" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	6.0	Ea.	19	\$1,111	\$1,966	\$0	\$3,077	512.87	0.21
.15107 660 0410	Tee, steel, cast iron, black, straight, flanged, standard weight, 5" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	14.0	Ea.	56	\$3,251	\$9,580	\$0	\$12,831	916.53	0.86
.15107 660 0420	Tee, steel, cast iron, black, straight, flanged, standard weight, 6" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	2.0	Ea.	8	\$481	\$954	\$0	\$1,435	717.47	0.10
.15107 660 0660	Gasket and bolt set, for flanges, 150 lb., 3-1/2" pipe size	2.0	Ea.	2	\$113	\$28	\$0	\$142	70.85	0.01
.15107 660 0670	Gasket and bolt set, for flanges, 150 lb., 4" pipe size	12.0	Ea.	12	\$771	\$170	\$0	\$941	78.45	0.06

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Fire Protection</i>										
.15107 660 0680	Gasket and bolt set, for flanges, 150 lb., 5" pipe size	11.0	Ea.	13	\$814	\$231	\$0	\$1,045	94.97	0.07
.15107 660 0690	Gasket and bolt set, for flanges, 150 lb., 6" pipe size	3.0	Ea.	4	\$259	\$66	\$0	\$325	108.45	0.02
.15110 160 1110	Valves, bronze, angle, rising stem, threaded, 150 lb., 2"	8.0	Ea.	6	\$376	\$3,218	\$0	\$3,594	449.28	0.24
.15110 160 1910	Valves, bronze, check, swing, regrinding disc, threaded, class 150, 2-1/2"	4.0	Ea.	4	\$246	\$1,305	\$0	\$1,551	387.76	0.10
.15110 160 3450	Valves, bronze, gate, non-rising stem, threaded, class 150, 1"	4.0	Ea.	2	\$108	\$235	\$0	\$343	85.85	0.02
.15110 200 3680	Valves, iron body, gate, OS&Y, flanged, 125 lb., 4"	4.0	Ea.	21	\$1,233	\$2,433	\$0	\$3,666	916.53	0.24
.15110 200 3700	Valves, iron body, gate, OS&Y, flanged, 125 lb., 6"	3.0	Ea.	24	\$1,452	\$3,007	\$0	\$4,458	1,486.08	0.30
.15140 100 1220	Backflow preventer, double check principle, corrosion resistant, automatic operation, gate valves, flanged, 4" pipe size, includes valves and four test cocks	1.0	Ea.	5	\$308	\$2,938	\$0	\$3,246	3,245.88	0.22
15B	SUBTOTAL Fire Protection			1,326				\$149,687		9.98
<i>HVAC</i>										
.01590 400 1525	HVAC Control	1.0	LS	0	\$0	\$0	\$20,412	\$20,412	20,412.00	1.36
.15080 200 3170	Insulation, ductwork, blanket type, fiberglass, flexible, FRK vapor barrier wrap, .75 lb. density, 1-1/2" thick	2,500.0	S.F.	125	\$6,601	\$1,417	\$0	\$8,018	3.21	0.53
.15180 200 1040	Pump, circulating, bronze, heated or chilled water application, in line, flanged joints, 1/12 H.P., 3/4" to 1-1/2" size	1.0	Ea.	3	\$155	\$532	\$0	\$687	687.05	0.05
.15180 200 1100	Pump, circulating, bronze, heated or chilled water application, in line, flanged joints, 1/3 H.P., 3/4" to 1-1/2" size	2.0	Ea.	5	\$310	\$2,046	\$0	\$2,356	1,177.80	0.16
.15510 300 2140	Boiler, electric, hot water, 112 kW, 382 MBH, ASME, access	1.2	Ea.	32	\$1,908	\$13,395	\$0	\$15,303	12,752.64	1.02
.15510 300 2140	Boiler, electric, hot water, 112 kW, 382 MBH, ASME	2.0	Ea.	53	\$3,180	\$22,326	\$0	\$25,505	12,752.64	1.70
.15550 440 1090	Vent chimney, prefabricated metal, gas, double wall, galvanized steel fitting, roof flashing, 8" diameter, U.L. listed	9.0	Ea.	6	\$311	\$305	\$0	\$616	68.43	0.04

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Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>HVAC</i>										
15550 440 1110	Vent chimney, prefabricated metal, gas, double wall, galvanized steel fitting, roof flashing, 12" diameter, U.L. listed	42.0	Ea.	31	\$1,742	\$4,964	\$0	\$6,706	159.67	0.45
15670 300 0700	Condensing unit, air cooled, compressor, 20 ton, includes standard controls	1.0	Ea.	60	\$3,663	\$10,679	\$0	\$14,342	14,342.40	0.96
15720 200 2350	Central station air handling unit, chilled water, modular, variable air volume, capacity at 700 FPM face velocity, 6,100 CFM, includes heating coil	1.0	Ea.	48	\$2,938	\$13,962	\$0	\$16,900	16,899.84	1.13
15720 200 2350	Central station air handling unit, chilled water, modular, variable air volume, capacity at 700 FPM face velocity, 6,100 CFM, acces	0.3	Ea.	14	\$881	\$4,189	\$0	\$5,070	16,899.84	0.34
15720 200 2360	Central station air handling unit, chilled water, modular, variable air volume, capacity at 700 FPM face velocity, 15,000 CFM, includes heating coil	1.0	Ea.	60	\$3,663	\$19,768	\$0	\$23,432	23,431.68	1.56
15720 200 2360	Central station air handling unit, chilled water, modular, variable air volume, capacity at 700 FPM face velocity, 15,000 CFM, includes heating coil access	0.6	Ea.	36	\$2,198	\$11,861	\$0	\$14,059	23,431.68	0.94
15720 500 0180	Make-up air unit, indoor suspension, natural/LP gas, direct fired, MBH is input, 70Deg.F temperature rise, 8000 CFM, 670 MBH, includes standard controls	1.0	Ea.	17	\$1,051	\$11,716	\$0	\$12,766	12,766.46	0.85
15760 800 4504	Hydronic heating, unit heater, propeller, vertical flow, 115 V, hot water, 60Deg.F entering air, 8 MBH	4.0	Ea.	5	\$290	\$2,267	\$0	\$2,557	639.36	0.17
15760 800 4512	Hydronic heating, unit heater, propeller, vertical flow, 115 V, hot water, 60Deg.F entering air, 16 MBH	1.0	Ea.	1	\$73	\$567	\$0	\$639	639.36	0.04
15760 800 4520	Hydronic heating, unit heater, propeller, vertical flow, 115 V, hot water, 60Deg.F entering air, 43 MBH	1.0	Ea.	1	\$86	\$650	\$0	\$735	735.44	0.05
15760 800 5420	Hydronic heating, unit heater, cabinet, hot water, horizontal, blower type, 20 MBH	2.0	Ea.	3	\$189	\$1,922	\$0	\$2,111	1,055.46	0.14
15810 100 0560	Ductwork, fabricated rectangular, galvanized steel, 1000 to 2000 lb., includes fittings, joints, supports and allowance for a flexible connection, excludes insulation	8,724.0	Lb.	794	\$47,275	\$4,945	\$0	\$52,220	5.99	3.48
15810 500 2835	Ductwork, flexible aluminum, non-insulated, 8" diameter, pressure to 12"(WG) UL-181	142.0	L.F.	11	\$654	\$567	\$0	\$1,221	8.60	0.08
15810 500 2837	Ductwork, flexible aluminum, non-insulated, 10" diameter, pressure to 12"(WG) UL-181	35.0	L.F.	4	\$202	\$195	\$0	\$396	11.32	0.03
15820 300 4580	Duct accessories, fire/smoke combination damper, louver type, 10" x 10", U.L. label	2.0	Ea.	1	\$49	\$406	\$0	\$455	227.61	0.03
15820 300 4640	Duct accessories, fire/smoke combination damper, louver type, 12" x 12", U.L. label	1.0	Ea.	0	\$26	\$213	\$0	\$238	238.46	0.02

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>HVAC</i>										
.15820 300 4840	Duct accessories, fire/smoke combination damper, louver type, 20" x 16", U.L. label	1.0	Ea.	1	\$37	\$260	\$0	\$297	296.52	0.02
.15820 300 5994	Duct accessories, multi-blade dampers, opposed blade, 8" x 8"	44.0	Ea.	16	\$1,025	\$1,247	\$0	\$2,272	51.63	0.15
.15820 300 5996	Duct accessories, multi-blade dampers, opposed blade, 10" x 10"	13.0	Ea.	5	\$317	\$413	\$0	\$731	56.19	0.05
.15820 300 6000	Duct accessories, multi-blade dampers, opposed blade, 12" x 12"	2.0	Ea.	1	\$49	\$76	\$0	\$125	62.42	0.01
.15820 300 6070	Duct accessories, multi-blade dampers, opposed blade, 20" x 16"	2.0	Ea.	1	\$73	\$133	\$0	\$206	102.99	0.01
.15820 300 7528	Duct accessories, variable volume modulating motorized damper, 16" x 18", includes electric motor	1.0	Ea.	1	\$57	\$178	\$0	\$235	235.01	0.02
.15820 300 7580	Duct accessories, variable volume modulating motorized damper, 28" x 16", includes electric motor	2.0	Ea.	3	\$170	\$669	\$0	\$839	419.56	0.06
.15820 300 7610	Duct accessories, variable volume modulating motorized damper, 30" x 24", includes electric motor	1.0	Ea.	2	\$135	\$408	\$0	\$543	542.59	0.04
.15830 100 0050	Fans, air conditioning and process air handling, axial flow, compact, low sound, 2.5" S.P., 3050	1.0	Ea.	6	\$348	\$5,288	\$0	\$5,636	5,636.04	0.38
.15830 100 0100	Fans, air conditioning and process air handling, axial flow, compact, low sound, 2.5" S.P., 7,500	1.0	Ea.	8	\$491	\$7,327	\$0	\$7,817	7,817.47	0.52
.15830 100 0240	Fans, air conditioning and process air handling, in-line centrifugal, supply/exhaust booster, aluminum wheel/hub, disconnect switch, 1/4" S.P., 500 CFM, 10" diameter connection	1.0	Ea.	7	\$394	\$1,168	\$0	\$1,562	1,562.11	0.10
.15830 100 0300	Fans, air conditioning and process air handling, in-line centrifugal, supply/exhaust booster, aluminum wheel/hub, disconnect switch, 1/4" S.P., 2560 CFM, 18" diameter connection	2.0	Ea.	40	\$2,364	\$2,903	\$0	\$5,267	2,633.47	0.35
.15830 100 0320	Fans, air conditioning and process air handling, in-line centrifugal, supply/exhaust booster, aluminum wheel/hub, disconnect switch, 1/4" S.P., 3480 CFM, 20" diameter connection	2.0	Ea.	50	\$2,972	\$3,525	\$0	\$6,497	3,248.64	0.43
.15830 100 0326	Fans, air conditioning and process air handling, in-line centrifugal, supply/exhaust booster, aluminum wheel/hub, disconnect switch, 1/4" S.P., 5080 CFM, 20" diameter connection	1.0	Ea.	27	\$1,590	\$1,901	\$0	\$3,491	3,490.56	0.23
.15830 100 0340	Fans, air conditioning and process air handling, in-line centrifugal, supply/exhaust booster, aluminum wheel/hub, disconnect switch, 1/4" S.P., 7500 CFM, 22" diameter connection	2.0	Ea.	57	\$3,387	\$4,493	\$0	\$7,880	3,939.84	0.53
.15830 100 6120	Fans, propeller exhaust, wall shutter, direct drive, 1/4" S.P., two speed, 730 CFM, 1/7 H.P.	1.0	Ea.	2	\$131	\$370	\$0	\$502	501.81	0.03

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DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>HVAC</i>										
.15840 200 2800	Doors, industrial, air curtains, installation of each doorway, incl. motor starters, transformers, door switches and temperature controls	6.0	Total	216	\$16,423	\$20,736	\$0	\$37,159	6,193.15	2.48
.15840 700 5610	Duct accessories, mixing box, variable air volume, cool and hot water coils, damper, actuator and thermostat, 200 CFM	2.0	Ea.	3	\$169	\$1,645	\$0	\$1,814	906.85	0.12
.15840 700 5620	Duct accessories, mixing box, variable air volume, cool and hot water coils, damper, actuator and thermostat, 400 CFM	4.0	Ea.	6	\$370	\$3,345	\$0	\$3,716	928.97	0.25
.15840 700 5630	Duct accessories, mixing box, variable air volume, cool and hot water coils, damper, actuator and thermostat, 600 CFM	3.0	Ea.	5	\$278	\$2,509	\$0	\$2,787	928.97	0.19
.15840 700 5640	Duct accessories, mixing box, variable air volume, cool and hot water coils, damper, actuator and thermostat, 800 CFM	3.0	Ea.	6	\$346	\$2,571	\$0	\$2,918	972.52	0.19
.15840 700 5650	Duct accessories, mixing box, variable air volume, cool and hot water coils, damper, actuator and thermostat, 1000 CFM	2.0	Ea.	4	\$231	\$1,714	\$0	\$1,945	972.52	0.13
.15850 300 0500	Diffuser, aluminum, ceiling, perforated, 24" x 24" lay-in panel size, 6" x 6", includes opposed blade damper	9.0	Ea.	5	\$286	\$952	\$0	\$1,238	137.55	0.08
.15850 300 0520	Diffuser, aluminum, ceiling, perforated, 24" x 24" lay-in panel size, 8" x 8", includes opposed blade damper	4.0	Ea.	2	\$135	\$434	\$0	\$570	142.39	0.04
.15850 300 0520	Diffuser, aluminum, ceiling, perforated, 24" x 24" lay-in panel size, 8" x 8", includes opposed blade damper	13.0	Ea.	7	\$440	\$1,411	\$0	\$1,851	142.39	0.12
.15850 500 1080	Slot Diffuser	10.0	Ea.	4	\$233	\$332	\$0	\$565	56.47	0.04
.15850 600 3100	Louver, aluminum, extruded, with screen, mill finish, fixed blade, continuous line, mullion type, stormproof	96.0	S.F.	27	\$1,758	\$4,048	\$0	\$5,806	60.48	0.39
.15850 700 1080	Register, air supply, ceiling/wall, anodized aluminum, adjustable curved face bars, one or two way deflection, 10" x 10", includes opposed blade damper	6.0	Ea.	3	\$162	\$265	\$0	\$427	71.19	0.03
.15850 700 1200	Register, air supply, ceiling/wall, anodized aluminum, adjustable curved face bars, one or two way deflection, 18" x 18", includes opposed blade damper	12.0	Ea.	6	\$365	\$1,111	\$0	\$1,476	123.03	0.10
.15850 700 1360	Register, air supply, ceiling/wall, anodized aluminum, adjustable curved face bars, one or two way deflection, 24" x 24", includes opposed blade damper	5.0	Ea.	4	\$232	\$795	\$0	\$1,026	205.29	0.07
.15850 700 5040	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 6" x 8", includes adjustable opposed blade damper	10.0	Ea.	3	\$214	\$332	\$0	\$545	54.54	0.04
.15850 700 5060	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 6" x 10", includes adjustable opposed blade damper	3.0	Ea.	1	\$81	\$112	\$0	\$193	64.28	0.01

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DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>HVAC</i>										
.15850 700 5180	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 12" x 18", includes adjustable opposed blade damper	10.0	Ea.	4	\$283	\$774	\$0	\$1,058	105.75	0.07
.15850 700 5220	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 16" x 16", includes adjustable opposed blade damper	7.0	Ea.	3	\$213	\$571	\$0	\$784	111.97	0.05
.15850 700 5240	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 18" x 18", includes adjustable opposed blade damper	5.0	Ea.	3	\$159	\$480	\$0	\$639	127.87	0.04
.15850 700 5280	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 24" x 24", includes adjustable opposed blade damper	9.0	Ea.	7	\$417	\$1,431	\$0	\$1,848	205.29	0.12
.15955 100 2000	Balancing, air conditioning equipment, central station, (Subcontractor's quote including material & labor)	6.0	Ea.	0	\$0	\$0	\$5,930	\$5,930	988.42	0.40
15C	SUBTOTAL HVAC			1,855				\$344,939		23.00
<i>General Electrical</i>										
.16520 300 2760	Roadway area luminaire, metal halide, 1000 watt, incl ballast and lamp, excl pole	8.0	Ea.	32	\$1,840	\$7,403	\$0	\$9,243	1,155.32	0.62
.16710 400 0080	Fiber optics cable, maximum, bulk plenum quad	44.8	C.L.F.	156	\$8,962	\$9,693	\$0	\$18,655	416.40	1.24
.16810 750 3950	Coaxial cable, fire rated, 50 ohm, RG A/U #58 cable	44.8	C.L.F.	45	\$2,560	\$3,780	\$0	\$6,340	141.52	0.42
16A	SUBTOTAL General Electrical			233				\$34,238		2.28
<i>Electrical - Power</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	160.8	C.L.F.	117	\$6,674	\$1,499	\$0	\$8,173	50.83	0.54
.16120 900 0120	Wire, copper, stranded, 600 volt, #10, type THW, in raceway	17.2	C.L.F.	14	\$782	\$242	\$0	\$1,024	59.67	0.07
.16120 900 0140	Wire, copper, stranded, 600 volt, #8, type THW, in raceway	9.6	C.L.F.	10	\$549	\$225	\$0	\$773	80.56	0.05
.16120 900 0160	Wire, copper, stranded, 600 volt, #6, type THW, in raceway	24.0	C.L.F.	30	\$1,682	\$882	\$0	\$2,564	106.82	0.17
.16120 900 0180	Wire, copper, stranded, 600 volt, #4, type THW, in raceway	9.6	C.L.F.	14	\$830	\$542	\$0	\$1,372	142.88	0.09

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 Various
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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Electrical - Power</i>										
.16120 900 0200	Wire, copper, stranded, 600 volt, #3, type THW, in raceway	7.2	C.L.F.	12	\$656	\$500	\$0	\$1,156	160.57	0.08
.16120 900 0240	Wire, copper, stranded, 600 volt, #1, type THW, in raceway	13.2	C.L.F.	26	\$1,518	\$1,455	\$0	\$2,973	225.21	0.20
.16120 900 0260	Wire, copper, stranded, 600 volt, 1/0, type THW, in raceway	4.8	C.L.F.	12	\$666	\$640	\$0	\$1,306	272.16	0.09
.16120 900 0450	Wire, copper, stranded, 600 volt, 350 kcmil, type THW, in raceway	24.0	C.L.F.	107	\$6,107	\$10,288	\$0	\$16,395	683.12	1.09
.16132 205 5020	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 elbows & 11 beam clamps per 100 LF	2,580.0	L.F.	160	\$9,058	\$2,879	\$0	\$11,937	4.63	0.80
.16136 600 1460	Outlet boxes, cast, 2 gang, FS, 3/4" hub	195.0	Ea.	156	\$8,889	\$8,491	\$0	\$17,381	89.13	1.16
.16136 720 0680	Pull boxes & cabinets, enclosures fiberglass, small, screw cover, 5-1/2"H x 4"W x 4-15/16"D, NEMA 4X	1.0	Ea.	1	\$39	\$88	\$0	\$127	126.55	0.01
.16140 910 2470	Duplex receptacle, grounded, 120 volt, 20 amp	172.0	Ea.	51	\$2,914	\$2,247	\$0	\$5,161	30.01	0.34
.16140 910 2482	Duplex receptacle, ground fault interrupting, 20 amp	13.0	Ea.	4	\$220	\$734	\$0	\$954	73.42	0.06
.16140 910 2490	Receptacle, 30 Amp	1.0	Ea.	1	\$31	\$19	\$0	\$50	49.81	0.00
.16140 910 2500	Receptacle, 50 Amp	2.0	Ea.	1	\$83	\$40	\$0	\$123	61.44	0.01
.16140 910 2800	Wall plate, stainless steel, 2 gang	195.0	Ea.	29	\$1,685	\$1,486	\$0	\$3,171	16.26	0.21
.162701003400	Buck-boost transformer, 3 phase 240 V primary 208/120 V secondary, 300 kVA	1.0	Ea.	22	\$1,252	\$12,077	\$249	\$13,578	13,578.06	0.91
.16410 200 1000	Circuit breaker, 3 pole, 600 volt, 800 amp, enclosed (NEMA 1)	1.0	Ea.	17	\$973	\$6,498	\$0	\$7,471	7,470.79	0.50
.16410 800 9010	Disconnect switch, 3 pole fusible, 30 amp, to 10 HP motor, 600 volt	12.0	Ea.	30	\$1,715	\$4,817	\$0	\$6,532	544.32	0.44
.16410 800 9050	Disconnect switch, 3 pole fusible, 60 amp, to 30 HP motor, 600 volt	5.0	Ea.	17	\$993	\$4,627	\$0	\$5,620	1,124.02	0.37

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DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 150,000 Square Footage: 15,000

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Electrical - Power</i>										
.164151001300	Non-automatic transfer switch, enclosed, manual operated, 3 pole, 250 volt, 600 amp	1.0	Ea.	16	\$912	\$10,478	\$0	\$11,390	11,389.90	0.76
.16440 860 0830	Switchboards, main fusible switch, 3 P, 4 W, 120/208, 120/240 V, 800 amp, incl fuse	1.0	Ea.	15	\$878	\$7,961	\$0	\$8,838	8,838.40	0.59
16B	SUBTOTAL Electrical - Power			861				\$128,069		8.54
<i>Electrical - Fixtures</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	228.8	C.L.F.	166	\$9,496	\$2,133	\$0	\$11,629	50.83	0.78
.16132 210 0500	Rigid galvanized steel conduit, 1/2" diameter, to 15' high, incl couplings only	6,360.0	L.F.	350	\$19,906	\$13,674	\$0	\$33,580	5.28	2.24
.16136 600 0670	Outlet boxes, pressed steel, switchboxes, Romex or BX, with bracket	318.0	Ea.	94	\$5,388	\$2,159	\$0	\$7,547	23.73	0.50
.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	10.0	Ea.	8	\$456	\$1,055	\$0	\$1,510	151.05	0.10
.16140 500 3800	Flush switch, standard	38.0	Ea.	8	\$437	\$636	\$0	\$1,073	28.24	0.07
.16140 910 2600	Wall plates, stainless steel, 1 gang	38.0	Ea.	4	\$217	\$127	\$0	\$344	9.05	0.02
.16510 440 0300	Fluorescent fixture, interior, acryl lens, grid recess ceiling mounted, 2-U40 W, 2' W x 2' L, incl lamps, mounting hardware and connections	42.0	Ea.	59	\$3,372	\$3,744	\$0	\$7,116	169.42	0.47
.16510 440 0500	Fluorescent fixture, interior, acryl lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	56.0	Ea.	90	\$5,106	\$5,334	\$0	\$10,440	186.43	0.70
.16510 440 1100	Fluorescent fixture, interior, surface mounted, acryl lens, 2-40 W, 1' W x 4' L, incl lamps, mounting hardware and connections	20.0	Ea.	23	\$1,306	\$2,599	\$0	\$3,905	195.27	0.26
.16510 440 2300	Fluorescent fixture, interior, strip, surface mounted, R.S., 2-40 W, 4' long, incl lamps, mounting hardware and connections	13.0	Ea.	13	\$743	\$690	\$0	\$1,433	110.22	0.10
.16510 440 3520	Fluorescent fixture, interior, troffer parabolic lay-in, 2-40 W, 1' W x 4' L, incl lamps, mounting hardware and connections	10.0	Ea.	15	\$864	\$1,300	\$0	\$2,164	216.37	0.14
.16510 440 3535	Fluorescent fixture, interior, downlight, recess mounted, incl lamps, mounting hardware and connections	18.0	Ea.	18	\$1,029	\$2,841	\$0	\$3,870	215.01	0.26
.16510 440 4290	Metal halide fixture, interior, surface mounted, high bay, aluminum reflector, single unit, 400 W, incl lamps, mounting hardware and connections	9.0	Ea.	31	\$1,788	\$5,328	\$0	\$7,116	790.62	0.47

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
<i>Electrical - Fixtures</i>										
.16510 440 4920	Incandescent fixture, interior, ceiling mounted, metal cylinder, 150 W, incl lamps, mounting hardware and connections	15.0	Ea.	12	\$684	\$1,837	\$0	\$2,521	168.06	0.17
.16520 300 1170	High pressure sodium fixture, exterior, wall pack, 150 Watt, incl lamps	22.0	Ea.	44	\$2,530	\$9,281	\$0	\$11,810	536.84	0.79
.16520 300 1190	Metal halide fixture, exterior, wall pack, 250 Watt, incl lamps	30.0	Ea.	60	\$3,450	\$26,536	\$0	\$29,985	999.51	2.00
.16530 320 0700	Emergency light units, nickel cadmium battery operated, twin sealed beam light, 25 W, 6 V each	13.0	Ea.	26	\$1,495	\$12,118	\$0	\$13,613	1,047.14	0.91
.165303200100	Exit sign, incandescent, double face, ceiling or wall mount	10.0	Ea.	12	\$680	\$816	\$0	\$1,497	149.69	0.10
16C	SUBTOTAL Electrical - Fixtures			1,032				\$151,153		10.08
SUBTOTAL								\$4,649,744		309.98
AOP1	OP 1- Lawn Irrigation System									
<i>Sitework - Landscaping/Irrigation</i>										
.028103000900	Sprinkler irrigation system, for lawns, residential system, custom, 1-1/2" supply	5,800.0	S.F.	75	\$2,762	\$3,078	\$0	\$5,841	1.01	0.39
02G	SUBTOTAL Sitework - Landscaping/Irrigation			75				\$5,841		0.39
OP 1- Lawn Irrigation System SUBTOTAL								\$5,841		0.39
AOP3	OP 3- Elevator Add									
<i>Elevators and Escalators</i>										
.14210 200 0420	Elevators, holeless hydraulic passenger, 2500 lb capacity, 2 story	0.4	Ea.	64	\$3,878	\$18,071	\$0	\$21,950	54,874.26	1.46
14	SUBTOTAL Elevators and Escalators			64				\$21,950		1.46
OP 3- Elevator Add SUBTOTAL								\$21,950		1.46

PROJECT: Rohde Island Air National Guard
Prototypical - Aerial Port
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
Bond:	0.00%				
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EF Aerial Port Training Facility</i>										
AOP4 OP 4- Landscaping										
<i>Sitework - Landscaping/Irrigation</i>										
.02915 400 0320	Planting, trees, shrubs and ground cover, light soil, container, 3 gallon, includes planting only	390.0	Ea.	156	\$3,184	\$0	\$0	\$3,184	8.16	0.21
.02915 400 0330	Planting, trees, shrubs and ground cover, light soil, container, 5 gallon, includes planting only	53.0	Ea.	29	\$1,064	\$0	\$0	\$1,064	20.07	0.07
.02920 310 0310	Seeding, fine grading and seeding, with equipment	3,061.4	S.Y.	147	\$5,624	\$625	\$917	\$7,166	2.34	0.48
.02930 310 0800	Shrub and smaller	390.0	Ea.	156	\$2,654	\$2,654	\$0	\$5,307	13.61	0.35
.02930 410 0900	Tree	53.0	Ea.	71	\$2,741	\$10,458	\$1,659	\$14,857	280.32	0.99
02G	SUBTOTAL Sitework - Landscaping/Irrigation			559				\$31,578		2.11
OP 4- Landscaping SUBTOTAL								\$31,578		2.11
AOP5 OP 5- POV Parking										
<i>Sitework - Asphalt/Bituminous Surfacing</i>										
.02720 200 0400	Base course, for roadways and large paved areas, bank run gravel, spread and compacted, b deep	2,251.0	S.Y.	18	\$735	\$17,613	\$1,103	\$19,451	8.64	1.30
.02740 310 0460	Asphaltic concrete pavement, for highways and large paved areas, wearing course, 3" thick	2,250.1	S.Y.	45	\$1,684	\$12,738	\$1,317	\$15,738	6.99	1.05
.02760 500 0800	Lines on pavement, parking stall, paint, white, 4" wide	57.0	Stall	6	\$220	\$205	\$67	\$492	8.63	0.03
.02760 500 1200	Lines on pavement, handicap symbol	6.0	Ea.	2	\$96	\$171	\$0	\$267	44.50	0.02
.02785 600 3270	Tack coat, emulsion, 0.10 gallons per S.Y., 1,000 S.Y.	2,250.0	S.Y.	14	\$582	\$1,010	\$704	\$2,296	1.02	0.15
02F	SUBTOTAL Sitework - Asphalt/Bituminous Surfacing			85				\$38,245		2.55
OP 5- POV Parking SUBTOTAL								\$38,245		2.55

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 a

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
EF Aerial Port Training Facility										
AOP6 OP 6- Equipment										
<i>Structural Steel/Steel Joists</i>										
.05120 440 0450	Angle framing, structural steel, less than 4", field fabricated, incl cutting & welding	1,100.0	Lb.	100	\$5,883	\$704	\$434	\$7,020	6.38	0.47
05A	SUBTOTAL Structural Steel/Steel Joists			100				\$7,020		0.47
<i>Miscellaneous</i>										
.101102406000	Chalkboards, liquid chalk, white porcelain enamel, wall hung, deluxe units, wood trim & chalktrough, 4' x 8'	19.0	Ea.	20	\$970	\$14,220	\$0	\$15,190	799.47	1.01
.101209402600	Bulletin Boards, glass enclosed cabinets, aluminum, cork panel, 3 hinged doors, 4' x 7'	2.0	Ea.	3	\$154	\$3,946	\$0	\$4,100	2,050.05	0.27
10D	SUBTOTAL Miscellaneous			23				\$19,290		1.29
<i>Equipment</i>										
.111365001000	Projection screens, electric operated, matte white, deluxe, 50 S.F.	2.0	Ea.	16	\$737	\$4,508	\$0	\$5,245	2,622.75	0.35
11A	SUBTOTAL Equipment			16				\$5,245		0.35
OP 6- Equipment SUBTOTAL								\$31,556		2.10
AOP8 OP 8- Air Compressor										
<i>Plumbing</i>										
.15107 620 0560	caPipe, steel, black, threaded, 1/2" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	125.0	L.F.	16	\$1,028	\$249	\$0	\$1,277	10.22	0.09
.15107 620 0570	Pipe, steel, black, threaded, 3/4" diameter, schedule 40, Spec. A-53, includes coupling and clevis type hanger sized for covering, 10' OC	100.0	L.F.	13	\$843	\$231	\$0	\$1,074	10.74	0.07
.15210 100 5680	Compressor, air, reciprocating, air cooled, splash lubricated, tank mounted, two stage, 3 phase, 38.7 SCFM at 125 psi, 10 H.P., 120 gallon tank	1.0	Ea.	27	\$1,555	\$7,776	\$0	\$9,331	9,331.20	0.62
15A	SUBTOTAL Plumbing			56				\$11,682		0.78
OP 8- Air Compressor SUBTOTAL								\$11,682		0.78
EF SUBTOTAL								\$4,790,595		319.37
ESTIMATE GRAND TOTAL								\$4,790,595		319.37

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>Munitions Storage Complex</i>										

EG

General Requirements - 1A

.01290 800 0010	Taxes, state, average	1.0	%	0	\$0	\$0	\$46,714	\$46,714	46,713.64	38.93
.01310 150 0100	Permits Rule of Thumb, most cities, maximum	1.0	Job	0	\$0	\$0	\$12,193	\$12,193	12,192.77	10.16
.01310 200 0100	Performance Bond, for buildings, minimum	1.0	Job	0	\$0	\$0	\$18,289	\$18,289	18,289.15	15.24
.01310 350 0250	All-risk Insurance, maximum	1.0	Job	0	\$0	\$0	\$3,658	\$3,658	3,657.83	3.05
.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	\$36,578	\$36,578	36,578.30	30.48
.01310 700 0280	Field Personnel, superintendent, maximum	20.0	Week	0	\$53,752	\$0	\$1,075,032	\$1,128,784	56,439.18	940.65
.01450 500 0050	Field Testing, for building	1.0	Project	0	\$0	\$0	\$3,402	\$3,402	3,402.00	2.84
.01510 050 0040	Temporary electrical power equipment (pro-rated per job), overhead feed, 3 uses, 200 amp	1.0	Ea.	8	\$503	\$1,095	\$0	\$1,599	1,598.94	1.33
.01510 050 0210	Temporary electrical power equipment (pro-rated per job), transformers, 3 uses, 30 KVA	1.0	Ea.	8	\$503	\$885	\$0	\$1,388	1,388.02	1.16
.01510 050 0890	Temporary electrical power equipment (pro-rated per job), connections, office trailer, 200 amp	1.0	Ea.	4	\$252	\$782	\$0	\$1,034	1,034.21	0.86
.01510 800 0450	Temporary Power, for temp lighting only, 23.6 KWH/month, max	500.0	CSF Fir		\$0	\$0	\$2,252	\$2,252	4.50	1.88
.01520 500 0250	Office Trailer, furnished, rent per month, 20' x 8', excl. hookups	1.0	Ea.		\$0	\$240	\$0	\$240	239.50	0.20
.01520 500 0700	Office Trailer, excl. hookups, air conditioning, rent per month, add	1.0	Ea.		\$0	\$62	\$0	\$62	61.92	0.05
.01520 500 1250	Storage Boxes, rent per month, 20' x 8'	6.0	Ea.		\$0	\$694	\$0	\$694	115.67	0.58
.01520 550 0120	Field Office Expense, office supplies, average	6.0	Month		\$0	\$784	\$0	\$784	130.64	0.65
.01520 550 0140	Field Office Expense, telephone bill; avg. bill/month, incl. long dist.	6.0	Month		\$0	\$1,919	\$0	\$1,919	319.79	1.60

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Bond:	0.00%				
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>Munitions Storage Complex</i>										

EG

General Requirements - 1A

.01520 550 0160	Field Office Expense, field office lights & HVAC	6.0	Month		\$0	\$882	\$0	\$882	146.97	0.73
01A	SUBTOTAL General Requirements - 1A			20				\$1,260,470		1,050.39

Sitework -Demolition

.02220 220 1700	Miscellaneous demo	6.0	L.F.	0	\$13	\$0	\$4	\$17	2.82	0.01
.02220 250 5050	Minor site demolition, pavement , bituminous roads, 4" to 6" thick, remove, excludes hauling	943.8	S.Y.	90	\$3,724	\$0	\$2,556	\$6,280	6.65	5.23
.02315 490 0560	Hauling, excavated or borrow material, loose cubic yards, 12 mile round trip, base wide rate, 12 C.Y. truck, highway haulers, excludes loading	300.0	L.C.Y.	62	\$2,327	\$0	\$5,164	\$7,491	24.97	6.24
02A	SUBTOTAL Sitework -Demolition			151				\$13,788		11.49

Sitework - Earthwork

.02315 490 0560	Hauling, excavated or borrow material, loose cubic yards, 12 mile round trip, base wide rate, 12 C.Y. truck, highway haulers, excludes loading	1,200.0	L.C.Y.	246	\$9,308	\$0	\$20,657	\$29,965	24.97	24.97
.02315 510 0020	Fill, borrow, for embankments, 1 mile haul, load, haul, spread with dozer	1,000.0	L.C.Y.	23	\$939	\$5,280	\$2,123	\$8,342	8.34	6.95
.02370 700 1100	Erosion control, silt fence, polypropylene, adverse conditions, 3' high	640.0	L.F.	11	\$401	\$192	\$0	\$592	0.93	0.49
02B	SUBTOTAL Sitework - Earthwork			280				\$38,899		32.42

Sitework - Asphalt/Bituminous Surfacing

.01450 500 0200	Field Testing, asphalt testing, compressive strength Marshall stability, set of three samples	1.0	Ea.		#Error	#Error	#Error	\$0	0.00	0.00
.01450 500 0220	Asphalt testing, density, set of three samples	1.0	Ea.		#Error	#Error	#Error	\$0	0.00	0.00
.01450 500 0250	Asphalt testing, extraction, individual tests on sample	1.0	Ea.		#Error	#Error	#Error	\$0	0.00	0.00
.01450 500 4735	Soil testing, soil density, nuclear method, ASTM D2922	15.0	Ea.		#Error	#Error	#Error	\$0	0.00	0.00
.01450 500 4950	Soil testing, Proctor compaction, 6" modified mold	1.0	Ea.		#Error	#Error	#Error	\$0	0.00	0.00

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 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
Bond:	0.00%				
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
EG Munitions Storage Complex										
<i>Sitework - Asphalt/Bituminous Surfacing</i>										
.02310 100 1050	Fine grade, fine grade for small irregular areas, to 15,000 S.Y.	1,269.3	S.Y.	30	\$1,295	\$0	\$1,330	\$2,626	2.07	2.19
.02720 200 0390	Base course, for roadways and large paved areas, bank run gravel, spread and compacted, a deep	1,269.3	S.Y.	9	\$363	\$7,445	\$535	\$8,343	6.57	6.95
.02740 310 0080	Asphaltic concrete pavement, for highways and large paved areas, binder course, 1-1/2" thick	1,269.3	S.Y.	14	\$553	\$3,247	\$432	\$4,232	3.33	3.53
.02740 310 0120	Asphaltic concrete pavement, for highways and large paved areas, binder course, 2" thick	1,269.3	S.Y.	18	\$656	\$4,336	\$535	\$5,527	4.35	4.61
02F	SUBTOTAL Sitework - Asphalt/Bituminous Surfacing			71				\$20,728		17.27
<i>Sitework - Landscaping/Irrigation</i>										
.02920 310 0310	Seeding, loam	7,555.6	S.Y.	363	\$13,880	\$3,084	\$2,262	\$19,227	2.54	16.02
02G	SUBTOTAL Sitework - Landscaping/Irrigation			363				\$19,227		16.02
<i>Sitework - Fences</i>										
.02820 130 0940	Chain link fence, industrial, aluminized steel, 6 ga. wire, 2-1/2" posts @ 10' OC, 8' high	219.0	L.F.	39	\$1,341	\$11,325	\$888	\$13,554	61.89	11.29
.028201305110	Chain link fence, double swing gates, 10' high, 20' opening	1.0	Opng.	31	\$1,068	\$2,517	\$714	\$4,300	4,300.13	3.58
02H	SUBTOTAL Sitework - Fences			70				\$17,854		14.88
<i>Sitework - Utilities</i>										
.02080 500 3814	Gate valves	4.0	Ea.	24	\$1,067	\$1,198	\$400	\$2,664	666.11	2.22
.02315 110 0900	Backfill, 12" layers, compaction in layers, roller compaction with operator walking, add to above	393.5	E.C.Y.	31	\$1,398	\$0	\$482	\$1,880	4.78	1.57
.02315 610 0130	Excavating, trench or continuous footing, 4' to 6' deep, 1-1/2 C.Y. bucket, hydraulic backhoe, excludes sheeting or dewatering	472.2	B.C.Y.	14	\$643	\$0	\$842	\$1,484	3.14	1.24
.02315 640 0200	Bedding, for pipe and conduit, sand, dead or bank, excludes compaction	16.8	L.C.Y.	3	\$107	\$66	\$33	\$206	12.29	0.17
.02510 730 2020	Ductile iron pipe, cement lined, 18' lengths, 1" diameter, class 50 water piping, excludes excavation or backfill	348.0	L.F.	70	\$3,717	\$3,788	\$1,179	\$8,685	24.96	7.24

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG Munitions Storage Complex</i>										
<i>Sitework - Utilities</i>										
.025307802000	Polyvinyl chloride pipe, B & S, 10' lengths, 4" diameter, SDR 35, excludes excavation or backfill	362.0	L.F.	23	\$1,128	\$1,108	\$0	\$2,236	6.18	1.86
.02580 420 0380	Underground marking tape, 6" wide, excludes excavation, backfill and cast in place concrete	404.0	L.F.	3	\$209	\$165	\$0	\$374	0.93	0.31
.02580 420 1600	Handhole	3.0	Ea.	24	\$408	\$816	\$204	\$1,429	476.28	1.19
.02620 630 2100	Plastic, perforated PVC, pipe, 4" diameter drain	220.0	L.F.	34	\$1,542	\$1,497	\$204	\$3,242	14.74	2.70
.15108 520 1910	Pipe, plastic, PVC, 1" diameter, schedule 40, includes couplings 10" OC, and hangers 3 per 10"	384.0	L.F.	104	\$6,025	\$1,439	\$0	\$7,464	19.44	6.22
.15108 520 1940	Pipe, plastic, PVC, 2" diameter, schedule 40, includes couplings 10" OC, and hangers 3 per 10"	340.0	L.F.	113	\$6,580	\$2,632	\$0	\$9,212	27.10	7.68
02K	SUBTOTAL Sitework - Utilities			443				\$38,877		32.40
<i>Footings - Grade Beam</i>										
.07210 600 0600	Perimeter Insulation, polystyrene, expanded, 1" thick, R4	2,160.0	S.F.	26	\$1,411	\$558	\$0	\$1,969	0.91	1.64
03M	SUBTOTAL Footings - Grade Beam			26				\$1,969		1.64
<i>Footings - System</i>										
.03310 240 3920	Structural concrete, in place, continuous strip footing, 18" wide x 9" deep, reinforced, includes forms(4 uses), and finishing	23.0	C.Y.	74	\$3,690	\$2,939	\$24	\$6,653	289.54	5.54
.03310 240 4200	Structural concrete, in place, wall,, includes forms(4 uses), reinforcing steel, and finishing	141.7	C.Y.	618	\$32,201	\$28,923	\$3,249	\$64,373	454.30	53.64
03O	SUBTOTAL Footings - System			692				\$71,026		59.19
<i>SOG - System</i>										
.02310 100 1100	Fine grade, fine grade for slab on grade, machine	120.0	S.Y.	2	\$78	\$0	\$70	\$149	1.24	0.12
.02315 520 0800	Fill, gravel fill, compacted, under floor slabs	1,000.0	S.F.	8	\$313	\$531	\$27	\$871	0.87	0.73
.03310 240 5010	Structural concrete, in place, slab on grade, 6" thick, includes textured finish only	1,000.0	S.F.	22	\$1,021	\$2,994	\$14	\$4,028	4.03	3.36

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Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
EG Munitions Storage Complex										
<i>SOG - System</i>										
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	12.0	Sq.	3	\$144	\$44	\$0	\$188	15.65	0.16
03Y	SUBTOTAL SOG - System			34				\$5,235		4.36
<i>Structural Steel/Steel Joists</i>										
.05120 440 0450	Angle framing, structural steel, less than 4", field fabricated, incl cutting & welding	2,176.0	Lb.	198	\$11,637	\$1,392	\$859	\$13,888	6.38	11.57
.05210 600 0440	Roof structure	2.5	Ton	12	\$650	\$3,827	\$323	\$4,800	1,920.09	4.00
05A	SUBTOTAL Structural Steel/Steel Joists			210				\$18,688		15.57
<i>Water Proofing/Damproofing</i>										
.07130 500 0600	Membrane Waterproofing, membrane waterproofing on walls, 3 ply felt	564.0	S.F.	15	\$668	\$368	\$107	\$1,144	2.03	0.95
07A	SUBTOTAL Water Proofing/Damproofing			15				\$1,144		0.95
<i>Roofing</i>										
.05310 300 2600	Metal decking, steel, open type, wide rib, galvanized, under 50 Sq, 1-1/2" D, 20 ga	1,000.0	S.F.	8	\$463	\$1,823	\$27	\$2,313	2.31	1.93
.06110 555 6080	Wood framing, roofs, fascia boards, 2" x 10"	0.5	M.B.F.	27	\$1,463	\$575	\$0	\$2,038	4,075.60	1.70
.06110 555 7980	Wood framing, roof curbs, untreated, 2" x 6"	0.1	M.B.F.	3	\$170	\$92	\$0	\$262	2,619.54	0.22
.06160 800 0100	Sheathing, plywood on roof, CDX, 1/2" thick	940.0	S.F.	10	\$601	\$652	\$0	\$1,254	1.33	1.04
.07220 700 2440	Roof Deck Insulation,	927.0	S.F.	9	\$429	\$1,022	\$0	\$1,451	1.56	1.21
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	10.0	Sq.	2	\$120	\$37	\$0	\$156	15.65	0.13
.07310 050 0600	Aluminum Shingles, ridge cap, .024" thick	80.0	L.F.	4	\$205	\$191	\$0	\$395	4.94	0.33
.07310 050 0700	Aluminum Shingles, end wall flashing, .024" thick	80.0	L.F.	4	\$205	\$143	\$0	\$347	4.34	0.29

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		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG Munitions Storage Complex</i>										
<i>Roofing</i>										
.07410 700 0925	Steel Roofing, on steel frame, flat profile, 2" x 2" batten, standard finish, 16-1/2" wide, 22 gauge	927.0	S.F.	33	\$1,678	\$8,830	\$0	\$10,508	11.34	8.76
.07460 100 3690	Snow guard	40.0	L.F.	2	\$82	\$42	\$0	\$124	3.10	0.10
.07710 400 0400	Aluminum downspouts, enameled, 3" x 4", .024" thick	27.0	L.F.	2	\$99	\$60	\$0	\$158	5.87	0.13
.07710 650 0400	Aluminum gutters, stock units, enameled, 5" box, .032" thick	40.0	L.F.	3	\$171	\$68	\$0	\$239	5.97	0.20
.07710 750 0010	Reglet, aluminum, in concrete parapet, .025" thick	80.0	L.F.	3	\$155	\$105	\$0	\$259	3.24	0.22
07B	SUBTOTAL Roofing			109				\$19,505		16.25
<i>Hollow Metal Doors/Windows</i>										
.08110 200 0400	Doors	6.0	Ea.	72	\$3,429	\$9,798	\$0	\$13,227	2,204.50	11.02
.08110 820 3700	Frames	3.0	Ea.	3	\$612	\$1,021	\$0	\$1,633	544.32	1.36
08A	SUBTOTAL Hollow Metal Doors/Windows			75				\$14,860		12.38
<i>Hardware</i>										
.08710 150 3100	Door hardware,	3.0	Pr.	36	\$1,143	\$4,491	\$0	\$5,634	1,877.90	4.69
08G	SUBTOTAL Hardware			36				\$5,634		4.69
<i>Lath and Plaster</i>										
.092202000100	Stucco, 3 coats, on masonry construction, no mesh incl., incl. lath	927.0	S.Y.	553	\$25,860	\$3,368	\$1,753	\$30,981	33.42	25.82
.092202000600	Stucco, for coloring & special finish, add, min	927.0	S.Y.	54	\$2,548	\$593	\$164	\$3,305	3.57	2.75
09B	SUBTOTAL Lath and Plaster			607				\$34,287		28.57

PROJECT: Rohde Island Air National Guard
Prototypical - Munitions, Maintenance
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
EG Munitions Storage Complex										
Drywall										
.05420 300 0230	Boxed headers/beam, galv CF joist/LB track for CF metal joists, double, 18 ga x 12" D	80.0	L.F.	7	\$341	\$675	\$0	\$1,016	12.70	0.85
.09110 100 1760	Metal stud partition, non-load bearing, galv., 4" wide, 20 gauge, 16" O.C., includes top & bottom track	962.0	S.F.	16	\$929	\$602	\$0	\$1,532	1.59	1.28
09C	SUBTOTAL Drywall			23				\$2,547		2.12
Painting and Wall Covering										
.03060 100 1620	Concrete surface treatment, sealer, hardener and dustproofer, colors, 450 S.F., includes material only, minimum	3.0	Gal.	6	\$204	\$71	\$0	\$275	91.58	0.23
.09910 300 0190	Paints & Coatings, ext. doors, flush, both sides, roll & brush, primer + 2 coats, exterior latex, incl. frame & trim	6.0	Ea.	10	\$486	\$98	\$0	\$584	97.30	0.49
.09910 920 1240	Paints & Coatings, walls & ceilings, interior, concrete, drywall or plaster, oil base, 3 coats, smooth finish, roller	2,886.0	S.F.	35	\$2,651	\$511	\$0	\$3,161	1.10	2.63
09H	SUBTOTAL Painting and Wall Covering			50				\$4,020		3.35
Miscellaneous										
.10525 300 3060	Fire extinguishers	3.0	Ea.	5	\$214	\$2,449	\$0	\$2,664	887.92	2.22
10D	SUBTOTAL Miscellaneous			5				\$2,664		2.22
Special Construction										
.01590 400 1525	Communications	1.0	LS	0	\$0	\$0	\$3,582	\$3,582	3,581.63	2.98
.01590 400 1525	Fire Detection	1.0	LS	0	\$0	\$0	\$1,791	\$1,791	1,790.81	1.49
.01590 400 1525	Page/intercom	1.0	LS	0	\$0	\$0	\$1,343	\$1,343	1,343.11	1.12
.01590 400 1525	Television	1.0	LS	0	\$0	\$0	\$895	\$895	895.41	0.75
.01590 400 1525	Security	1.0	LS	0	\$0	\$0	\$895	\$895	895.41	0.75
.13101 055 0500	Lightning Protection, air terminal and base, copper, 1/2" dia x 12", over 75' h	4.0	Ea.	4	\$231	\$210	\$0	\$441	110.22	0.37

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG Munitions Storage Complex</i>										

Special Construction

.16060 800 0100	Grounding rod, copper clad, 20' long, 3/4" diameter	4.0	Ea.	10	\$816	\$479	\$0	\$1,295	323.87	1.08
13A	SUBTOTAL <i>Special Construction</i>			14				\$10,243		8.54

General Electrical

.16520 300 2760	Roadway area luminaire, metal halide, incl ballast and lamp, excl pole	3.0	Ea.	12	\$690	\$2,776	\$0	\$3,466	1,155.32	2.89
.16520 300 5400	Light poles, galvanized steel, bracket arms, 1 arm, excl concrete bases	3.0	Ea.	3	\$171	\$678	\$0	\$849	283.05	0.71
16A	SUBTOTAL <i>General Electrical</i>			15				\$4,315		3.60

Electrical - Power

.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	2.0	C.L.F.	1	\$83	\$19	\$0	\$102	50.83	0.08
.16120 900 0280	Wire, copper, stranded, 600 volt, 2/0, type THW, in raceway	6.5	C.L.F.	18	\$1,026	\$1,061	\$0	\$2,087	321.15	1.74
.16132 205 5020	Electric metallic tubing (EMT), 3/4" diameter, to 15' high, incl 2 terminations, 2 elbows & 11 beam clamps per 100 LF	2,214.0	L.F.	137	\$7,773	\$2,471	\$0	\$10,244	4.63	8.54
.16136 600 1460	Outlet boxes, cast, 2 gang, FS, 3/4" hub	25.0	Ea.	20	\$1,140	\$1,089	\$0	\$2,228	89.13	1.86
.16140 910 2482	Duplex receptacle, ground fault interrupting, 20 amp	2.0	Ea.	1	\$34	\$113	\$0	\$147	73.42	0.12
.16140 910 2800	Wall plate, stainless steel, 2 gang	4.0	Ea.	1	\$35	\$30	\$0	\$65	16.26	0.05
.16410 800 0100	Safety switches, general duty, 3 pole, fusible, 240 volt, 30 amp, NEMA 1	2.0	Ea.	5	\$286	\$275	\$0	\$561	280.32	0.47
.16410 800 0200	Safety switches, general duty, 3 pole, fusible, 240 volt, 60 amp, NEMA 1	1.0	Ea.	3	\$199	\$233	\$0	\$431	431.37	0.36
.16410 800 9010	Disconnect switch, 3 pole fusible, 30 amp, to 10 HP motor, 600 volt	2.0	Ea.	5	\$286	\$803	\$0	\$1,089	544.32	0.91
.16415 1000 150	Non-automatic transfer switch, enclosed, manual operated, 3 pole, 480 volt, 60 amp	1.0	Ea.	4	\$241	\$2,347	\$0	\$2,588	2,588.24	2.16

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS							
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%	Bond:	0.00%
Cubic Footage:	120,000	Square Footage:	1,200				

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG Munitions Storage Complex</i>										
<i>Electrical - Power</i>										
16B	SUBTOTAL	<i>Electrical - Power</i>			196			\$19,542		16.28
<i>Electrical - Fixtures</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	9.8	C.L.F.	7	\$405	\$91	\$0	\$496	50.83	0.41
.16132 210 0220	Electric metallic tubing, 3/4" diameter, to 15' high, incl couplings only	450.0	L.F.	14	\$814	\$374	\$0	\$1,188	2.64	0.99
.16140 500 3800	Flush switch, standard	3.0	Ea.	1	\$34	\$50	\$0	\$85	28.24	0.07
.16140 910 2600	Wall plates, stainless steel, 1 gang	3.0	Ea.	0	\$17	\$10	\$0	\$27	9.05	0.02
.16510 440 1100	Fluorescent fixture, interior, surface mounted, acryl lens, 2-40 W, 1' W x 4' L, incl lamps, mounting hardware and connections	6.0	Ea.	7	\$392	\$780	\$0	\$1,172	195.27	0.98
.16520 300 1170	High pressure sodium fixture, exterior, wall pack, 150 Watt, incl lamps	5.0	Ea.	10	\$575	\$2,109	\$0	\$2,684	536.84	2.24
.16530 320 0700	Emergency light units, nickel cadmium battery operated, twin sealed beam light, 25 W, 6 V each	3.0	Ea.	6	\$345	\$2,796	\$0	\$3,141	1,047.14	2.62
16C	SUBTOTAL	<i>Electrical - Fixtures</i>			45			\$8,793		7.33
EG SUBTOTAL								\$1,634,313		1,361.93
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GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Sitework - Miscellaneous</i>										
.02840 800 1100	Splash Block	4.0	Ea.	1	\$43	\$269	\$0	\$313	78.18	0.26
02Gm	SUBTOTAL Sitework - Miscellaneous			1				\$313		0.26
<i>Footings - Grade Beam</i>										
.07210 600 0600	Perimeter Insulation, polystyrene, expanded, 1" thick, R4	205.0	S.F.	2	\$134	\$53	\$0	\$187	0.91	0.16
03M	SUBTOTAL Footings - Grade Beam			2				\$187		0.16
<i>Footings - System</i>										
.03310 240 3920	Structural concrete, in place, continuous strip footing, 18" wide x 9" deep, reinforced, includes forms(4 uses), and finishing	8.4	C.Y.	27	\$1,348	\$1,074	\$9	\$2,430	289.54	2.02
.03310 240 4200	Structural concrete, in place, grade wall, 8" thick x 8' high, includes forms(4 uses), reinforcing steel, and finishing	6.4	C.Y.	28	\$1,452	\$983	\$147	\$2,581	403.95	2.15
03O	SUBTOTAL Footings - System			55				\$5,011		4.18
<i>SOG - System</i>										
.02310 100 1100	Fine grade, fine grade for slab on grade, machine	75.6	S.Y.	1	\$49	\$0	\$44	\$94	1.24	0.08
.02315 520 0800	Fill, gravel fill, compacted, under floor slabs	680.0	S.F.	5	\$213	\$361	\$19	\$592	0.87	0.49
.03310 240 5001	Structural concrete, in place, slab on grade, 4" thick, includes textured finish only	30.0	S.F.	1	\$27	\$34	\$0	\$62	2.07	0.05
.03310 240 5010	Structural concrete, in place, slab on grade, 6" thick, includes textured finish only	685.0	S.F.	15	\$699	\$1,230	\$9	\$1,939	2.83	1.62
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	7.5	Sq.	2	\$90	\$28	\$0	\$117	15.65	0.10
03Y	SUBTOTAL SOG - System			24				\$2,804		2.34
<i>Interior Walls, Non-Load Bearing - System</i>										
.04810 172 0350	Concrete masonry unit (CMU), back-up, normal weight, tooled joint one side, 2000 psi, 8" x 8" x 16", excludes scaffolding and reinforcing	927.0	S.F.	93	\$5,159	\$2,195	\$0	\$7,354	7.93	6.13

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GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Interior Walls, Non-Load Bearing - System</i>										
04S	SUBTOTAL Interior Walls, Non-Load Bearing - System			93				\$7,354		6.13
<i>Exterior Walls - System</i>										
.04810 175 0100	Concrete masonry unit (CMU), bond beam, normal weight, 2000 psi, 8" x 8" x 16", excludes scaffolding, grout and vertical reinforcing	828.0	L.F.	59	\$3,268	\$2,062	\$0	\$5,329	6.44	4.44
04U	SUBTOTAL Exterior Walls - System			59				\$5,329		4.44
<i>Structural Steel/Steel Joists</i>										
.05210 600 0440	Roof structure	1.6	Ton	8	\$428	\$2,518	\$213	\$3,159	1,920.09	2.63
05A	SUBTOTAL Structural Steel/Steel Joists			8				\$3,159		2.63
<i>Water Proofing/Damproofing</i>										
.07130 500 0600	Membrane Waterproofing, membrane waterproofing on walls, 3 ply felt	927.0	S.F.	25	\$1,097	\$606	\$177	\$1,880	2.03	1.57
07A	SUBTOTAL Water Proofing/Damproofing			25				\$1,880		1.57
<i>Roofing</i>										
.05310 300 2600	Metal decking, steel, open type, wide rib, galvanized, under 50 Sq, 1-1/2" D, 20 ga	676.0	S.F.	5	\$313	\$1,233	\$18	\$1,564	2.31	1.30
.06110 555 6080	Wood framing, roofs, fascia boards, 2" x 10"	0.5	M.B.F.	27	\$1,463	\$575	\$0	\$2,038	4,075.60	1.70
.06110 555 7980	Wood framing, roof curbs, untreated, 2" x 6"	0.1	M.B.F.	3	\$170	\$92	\$0	\$262	2,619.54	0.22
.06160 800 0100	Sheathing, plywood on roof, CDX, 1/2" thick	676.0	S.F.	7	\$432	\$469	\$0	\$902	1.33	0.75
.07220 700 2440	Roof Deck Insulation,	676.0	S.F.	7	\$313	\$745	\$0	\$1,058	1.56	0.88
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	6.9	Sq.	1	\$82	\$25	\$0	\$107	15.65	0.09
.07310 050 0600	Aluminum Shingles, ridge cap, .024" thick	74.0	L.F.	3	\$189	\$176	\$0	\$366	4.94	0.30

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Roofing</i>										
.07310 050 0700	Aluminum Shingles, end wall flashing, .024" thick	103.0	L.F.	5	\$264	\$184	\$0	\$447	4.34	0.37
.07310 050 1200	Aluminum Shingles, side wall flashing, .024" thick	103.0	L.F.	5	\$264	\$184	\$0	\$447	4.34	0.37
.07410 700 0925	Steel Roofing, on steel frame, flat profile, 2" x 2" batten, standard finish, 16-1/2" wide, 22 gauge	676.0	S.F.	24	\$1,223	\$6,439	\$0	\$7,663	11.34	6.39
.07460 100 3690	Snow guard	16.0	L.F.	1	\$33	\$17	\$0	\$50	3.10	0.04
.07710 400 0400	Aluminum downspouts, enameled, 3" x 4", .024" thick	37.2	L.F.	2	\$136	\$82	\$0	\$218	5.87	0.18
.07710 650 0400	Aluminum gutters, stock units, enameled, 5" box, .032" thick	100.0	L.F.	7	\$427	\$170	\$0	\$597	5.97	0.50
.07710 750 0010	Reglet, aluminum, in concrete parapet, .025" thick	103.0	L.F.	4	\$199	\$135	\$0	\$334	3.24	0.28
07B	SUBTOTAL Roofing			101				\$16,052		13.38
<i>Building Insulation</i>										
.07210 950 0140	Fiberglass insulation, kraft faced, batts or blankets for walls or ceilings, 6" thick, R19, 11" wide	1,030.0	S.F.	8	\$449	\$420	\$0	\$869	0.84	0.72
07C	SUBTOTAL Building Insulation			8				\$869		0.72
<i>Hollow Metal Doors/Windows</i>										
.08110 200 0680	Doors, commercial, steel, flush, full panel, hollow core, 20 ga., 4'-0" x 7'-0" x 1-3/4" thick	2.0	Ea.	2	\$117	\$748	\$0	\$865	432.73	0.72
.08110 200 1760	Doors, commercial, steel, insulated, full panel, 18 ga., 3'-0" x 7'-0" x 1-3/4" thick	1.0	Ea.	1	\$59	\$287	\$0	\$346	345.64	0.29
.08110 250 0100	Door frames, steel channels with anchors and bar stops, 6" channel@ 8.2 lb/LF, 3' x 7' door, weighs 150 lb	1.0	Ea.	2	\$155	\$166	\$8	\$329	329.31	0.27
.08110 820 3700	Frames, steel, knock down, single, 14 ga., 5-3/4" deep, 8'-0" h x 4'-0" w	1.0	Ea.	1	\$59	\$125	\$0	\$183	183.03	0.15
08A	SUBTOTAL Hollow Metal Doors/Windows			7				\$1,723		1.44

PROJECT: Rohde Island Air National Guard
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 Various
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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Hardware</i>										
.08710 150 2600	Door hardware, heavy use, incl. lever and closer	1.0	Door	3	\$127	\$612	\$0	\$740	739.53	0.62
.08710 150 3100	Door hardware, double, exterior, incl. panic device	1.0	Pr.	8	\$381	\$1,238	\$0	\$1,619	1,619.35	1.35
.13710 300 0140	Access Control, for each door, min, add	2.0	Ea.	0	\$0	\$3,606	\$0	\$3,606	1,803.06	3.01
08G	SUBTOTAL Hardware			11				\$5,965		4.97
<i>Lath and Plaster</i>										
.092202000100	Stucco, 3 coats, on masonry construction, no mesh incl., incl. lath	927.0	S.Y.	553	\$25,860	\$3,368	\$1,753	\$30,981	33.42	25.82
.092202000600	Stucco, for coloring & special finish, add, min	927.0	S.Y.	54	\$2,548	\$593	\$164	\$3,305	3.57	2.75
09B	SUBTOTAL Lath and Plaster			607				\$34,287		28.57
<i>Drywall</i>										
.05420 300 0230	Boxed headers/beam, galv CF joist/LB track for CF metal joists, double, 18 ga x 12" D	103.0	L.F.	9	\$439	\$869	\$0	\$1,308	12.70	1.09
.09110 100 1780	Metal stud partition, non-load bearing, galv., 6" wide, 20 gauge, 16" O.C., includes top & bottom track	309.0	S.F.	5	\$299	\$256	\$0	\$555	1.80	0.46
09C	SUBTOTAL Drywall			14				\$1,863		1.55
<i>Acoustical</i>										
.09130 100 0300	Acoustic ceiling grid, 2' x 2'	659.0	S.F.	8	\$466	\$520	\$0	\$986	1.50	0.82
.09510 700 1130	Suspended Acoustic Ceiling Tiles, mineral Fiber Tile, lay-in, rough texture, 2' x 2' or 2' x 4', 3/4" thick	659.0	S.F.	9	\$484	\$1,964	\$0	\$2,448	3.71	2.04
09D	SUBTOTAL Acoustical			16				\$3,435		2.86
<i>Resilient and Wood Flooring</i>										
.09651 200 1500	Cove base, rubber or vinyl, standard colors, 1/8" thick, 4" h	130.0	L.F.	3	\$196	\$120	\$0	\$317	2.44	0.26

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GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Resilient and Wood Flooring</i>										
.09651 200 1630	Cove base, rubber or vinyl, standard colors, corners, 4" h	6.0	Ea.	0	\$9	\$10	\$0	\$19	3.12	0.02
09F	SUBTOTAL Resilient and Wood Flooring			3				\$335		0.28
<i>Painting and Wall Covering</i>										
.03060 100 1620	Concrete surface treatment, sealer, hardener and dustproofer, colors, 450 S.F., includes material only, minimum	2.0	Gal.	4	\$136	\$47	\$0	\$183	91.58	0.15
.09910 300 0190	Paints & Coatings, ext. doors, flush, both sides, roll & brush, primer + 2 coats, exterior latex, incl. frame & trim	3.0	Ea.	5	\$243	\$49	\$0	\$292	97.30	0.24
.09910 920 1240	Paints & Coatings, walls & ceilings, interior, concrete, drywall or plaster, oil base, 3 coats, smooth finish, roller	864.0	S.F.	10	\$794	\$153	\$0	\$946	1.10	0.79
09H	SUBTOTAL Painting and Wall Covering			19				\$1,422		1.18
<i>Miscellaneous</i>										
.10525 300 3060	Fire extinguishers, dry chemical, outside cartridge to -65 degrees F, painted, 26 lb	1.0	Ea.	2	\$71	\$362	\$0	\$433	433.41	0.36
10D	SUBTOTAL Miscellaneous			2				\$433		0.36
<i>Special Construction</i>										
.13101 055 0500	Lightning Protection, air terminal and base, copper, 1/2" dia x 12", over 75' h	1.0	Ea.	1	\$58	\$52	\$0	\$110	110.22	0.09
.16060 800 0100	Grounding rod, copper clad, 10' long, 3/4" diameter	1.0	Ea.	2	\$104	\$56	\$0	\$160	159.89	0.13
.16060 800 0330	Ground wire, copper wire, bare solid, #12	3.0	C.L.F.	2	\$106	\$20	\$0	\$126	42.05	0.11
.16060 800 0700	Ground wire, copper wire, bare stranded, 1/0	1.0	C.L.F.	2	\$115	\$107	\$0	\$222	221.81	0.18
13A	SUBTOTAL Special Construction			7				\$618		0.52
<i>Canopy, Sheds, Misc. Structures.</i>										
.13128 700 8400	Pre-Eng Steel Bldg Access., roof vents, circular w/damper, birdscreen & operator hardware, painted, 12" dia, 26 gauge	1.0	Ea.	2	\$108	\$104	\$0	\$212	212.28	0.18

PROJECT: Rohde Island Air National Guard
Prototypical - Munitions, Maintenance
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Canopy, Sheds, Misc. Structures.</i>										
13e	SUBTOTAL Canopy, Sheds, Misc. Structures.			2				\$212		0.18
<i>HVAC</i>										
.15080 200 3170	Insulation, ductwork, blanket type, fiberglass, flexible, FRK vapor barrier wrap, .75 lb. density, 1-1/2" thick	158.0	S.F.	8	\$417	\$90	\$0	\$507	3.21	0.42
.15740 100 1080	Heat pump, air to air split system, 7.5 ton cooling, 33 MBH heat @ 0Deg.F, excludes interconnecting tubing, curbs, pads and ductwork	1.0	Ea.	53	\$3,145	\$5,253	\$0	\$8,398	8,398.08	7.00
.15810 100 0560	Ductwork, fabricated rectangular, galvanized steel, 1000 to 2000 lb., includes fittings, joints, supports and allowance for a flexible connection, excludes insulation	250.0	Lb.	23	\$1,355	\$142	\$0	\$1,496	5.99	1.25
.15830 100 7140	Fans, roof exhauster, centrifugal, aluminum housing, bird screen, back draft damper, direct drive, 1/4" S.P., , 12" galvanized curb, 13" sq. damper	1.0	Ea.	4	\$236	\$463	\$0	\$699	699.49	0.58
.15850 300 0540	Diffuser, aluminum, ceiling, perforated, 24" x 24" lay-in panel size, 10" x 10", includes opposed blade damper	1.0	Ea.	1	\$37	\$111	\$0	\$148	147.92	0.12
.15850 600 3200	Louver, aluminum, extruded, with screen, mill finish, fixed blade, continuous line, stormproof	12.0	S.F.	3	\$286	\$759	\$0	\$1,045	87.06	0.87
15C	SUBTOTAL HVAC			92				\$12,293		10.24
<i>Electrical - Power</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	25.0	C.L.F.	18	\$1,038	\$233	\$0	\$1,271	50.83	1.06
.16120 900 0140	Wire, copper, stranded, 600 volt, #8, type THW, in raceway	12.1	C.L.F.	12	\$690	\$283	\$0	\$973	80.56	0.81
.16120 900 0160	Wire, copper, stranded, 600 volt, #6, type THW, in raceway	1.2	C.L.F.	1	\$84	\$44	\$0	\$128	106.82	0.11
.16120 900 0180	Wire, copper, stranded, 600 volt, #4, type THW, in raceway	0.8	C.L.F.	1	\$65	\$42	\$0	\$107	142.88	0.09
.16136 600 1460	Outlet boxes, cast, 2 gang, FS, 3/4" hub	4.0	Ea.	3	\$182	\$174	\$0	\$357	89.13	0.30
.16136 720 0680	Pull boxes & cabinets, enclosures fiberglass, small, screw cover, 5-1/2"H x 4"W x 4-15/16"D, NEMA 4X	2.0	Ea.	1	\$78	\$176	\$0	\$253	126.55	0.21
.16140 910 2470	Duplex receptacle, grounded, 120 volt, 20 amp	22.0	Ea.	7	\$373	\$287	\$0	\$660	30.01	0.55

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

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GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
<i>Electrical - Power</i>										
.16140 910 2482	Duplex receptacle, ground fault interrupting, 20 amp	2.0	Ea.	1	\$34	\$113	\$0	\$147	73.42	0.12
.16140 910 2800	Wall plate, stainless steel, 2 gang	25.0	Ea.	4	\$216	\$191	\$0	\$407	16.26	0.34
.162702001300	Dry type transformer, single phase 240/480 V primary 120/240 V secondary, 15 kVA	1.0	Ea.	13	\$762	\$1,837	\$0	\$2,599	2,599.13	2.17
.16440 720 3460	Panelboards	2.0	Ea.	8	\$460	\$2,926	\$0	\$3,386	1,692.84	2.82
16B	SUBTOTAL Electrical - Power			70				\$10,287		8.57
<i>Electrical - Fixtures</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	3.9	C.L.F.	3	\$160	\$36	\$0	\$196	50.83	0.16
.16132 205 5000	Electric metallic tubing (EMT), 1/2" diameter, to 15' high, incl 2 terminations, 2 elbows & 11 beam clamps per 100 LF	385.0	L.F.	18	\$1,032	\$283	\$0	\$1,315	3.42	1.10
.16140 500 3800	Flush switch, standard	2.0	Ea.	0	\$23	\$33	\$0	\$56	28.24	0.05
.16140 910 2600	Wall plates, stainless steel, 1 gang	2.0	Ea.	0	\$11	\$7	\$0	\$18	9.05	0.02
.16510 440 0500	Fluorescent fixture, interior, acryl lens, grid recess ceiling mounted, 3-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	6.0	Ea.	10	\$547	\$572	\$0	\$1,119	186.43	0.93
.16520 300 1170	High pressure sodium fixture, exterior, wall pack, 150 Watt, incl lamps	1.0	Ea.	2	\$115	\$422	\$0	\$537	536.84	0.45
.16530 320 0700	Emergency light units, nickel cadmium battery operated, twin sealed beam light, 25 W, 6 V each	1.0	Ea.	2	\$115	\$932	\$0	\$1,047	1,047.14	0.87
.165303200260	Exit sign, L.E.D. w/ battery unit, double face, ceiling or wall mount	2.0	Ea.	4	\$230	\$397	\$0	\$627	313.66	0.52
16C	SUBTOTAL Electrical - Fixtures			39				\$4,915		4.10
SUBTOTAL								\$120,746		100.62

PROJECT: Rohde Island Air National Guard
Prototypical - Munitions, Maintenance
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 Providence, Rhode Island

OWNER
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 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
MOP1 OP 1- Restroom										
<i>Finish Carpentry</i>										
.06410 100 0500	Custom Cabinets, built-in drawer units, pine, unfinished,	3.5	L.F.	1	\$77	\$772	\$0	\$849	242.49	0.71
06B	SUBTOTAL <i>Finish Carpentry</i>			1				\$849		0.71
<i>Hollow Metal Doors/Windows</i>										
.08110 200 1760	Doors, commercial, steel, insulated, full panel, 18 ga., 3'-0" x 7'-0" x 1-3/4" thick	1.0	Ea.	1	\$59	\$287	\$0	\$346	345.64	0.29
.08110 250 0100	Door frames, steel channels with anchors and bar stops, 6" channel@ 8.2 lb/LF, 3' x 7' door, weighs 150 lb	1.0	Ea.	2	\$155	\$166	\$8	\$329	329.31	0.27
08A	SUBTOTAL <i>Hollow Metal Doors/Windows</i>			4				\$675		0.56
<i>Hardware</i>										
.08710 150 2550	Door hardware, single, interior, regular use, incl. handicap lever	1.0	Door	2	\$95	\$483	\$0	\$578	578.34	0.48
08G	SUBTOTAL <i>Hardware</i>			2				\$578		0.48
<i>Drywall</i>										
.09260 100 3800	Partition Wall, interior, standard, taped both sides, installed on & incl. 25 ga, NLB metal studs, 3 5/8" wide, 16" O.C., 8' to 12' high, 5/8" gypsum drywall	104.5	S.F.	5	\$269	\$135	\$0	\$404	3.86	0.34
.09820 500 1500	Sound Attenuation Blankets, 3" thick	104.0	S.F.	1	\$50	\$82	\$0	\$132	1.27	0.11
09C	SUBTOTAL <i>Drywall</i>			6				\$535		0.45
<i>Resilient and Wood Flooring</i>										
.09651 200 1500	Cove base, rubber or vinyl, standard colors, 1/8" thick, 4" h	46.0	L.F.	1	\$69	\$43	\$0	\$112	2.44	0.09
.09651 200 1630	Cove base, rubber or vinyl, standard colors, corners, 4" h	2.0	Ea.	0	\$3	\$3	\$0	\$6	3.12	0.01
.09658 100 7400	Resilient Flooring, vinyl composition tile, solid, 12" x 12" x 1/8"	38.0	S.F.	1	\$36	\$100	\$0	\$135	3.57	0.11
09F	SUBTOTAL <i>Resilient and Wood Flooring</i>			2				\$254		0.21

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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
MOP1 OP 1- Restroom										
<i>Painting and Wall Covering</i>										
.09910 300 0190	Paints & Coatings, ext. doors, flush, both sides, roll & brush, primer + 2 coats, exterior latex, incl. frame & trim	1.0	Ea.	2	\$81	\$16	\$0	\$97	97.30	0.08
.09910 920 1240	Paints & Coatings, walls & ceilings, interior, concrete, drywall or plaster, oil base, 3 coats, smooth finish, roller	368.0	S.F.	4	\$338	\$65	\$0	\$403	1.10	0.34
09H	SUBTOTAL <i>Painting and Wall Covering</i>			6				\$500		0.42
<i>Toilet Accessories</i>										
.10810 100 0610	Bath accessories, dispenser units, towel dispenser & waste receptacle, 18 gallon capacity	1.0	Ea.	1	\$39	\$371	\$0	\$410	410.28	0.34
.10810 100 4600	Bath accessories, soap dispenser, chrome, surface mounted, liquid	1.0	Ea.	0	\$19	\$60	\$0	\$79	79.06	0.07
.10810 100 6200	Bath accessories, toilet tissue dispenser, stainless steel, surface mounted, double roll	1.0	Ea.	0	\$16	\$23	\$0	\$39	38.51	0.03
.108101003600	Bath accessories, mirror, with 5" sst shelf & ss 3/4" square frame	1.0	Ea.	1	\$26	\$182	\$0	\$208	208.00	0.17
10A	SUBTOTAL <i>Toilet Accessories</i>			2				\$736		0.61
<i>Plumbing</i>										
.15080 600 7910	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/8" wall, 1/2" iron pipe size	38.0	L.F.	3	\$154	\$22	\$0	\$176	4.63	0.15
.15080 600 7920	Insulation, pipe covering (price copper tube one size less than I.P.S.), rubber tubing flexible closed cell foam, 3/8" wall, 3/4" iron pipe size	25.0	L.F.	2	\$102	\$16	\$0	\$118	4.71	0.10
.15107 420 1140	Pipe, copper, tubing, solder, 1/2" diameter, type K, includes coupling & clevis hanger 10' O.C.	38.0	L.F.	4	\$251	\$70	\$0	\$321	8.45	0.27
.15107 420 1180	Pipe, copper, tubing, solder, 3/4" diameter, type K, includes coupling & clevis hanger 10' O.C.	25.0	L.F.	3	\$175	\$72	\$0	\$246	9.84	0.21
.151073202120	Pipe, cast iron soil, one hub, service weight, 2" diameter, lead and oakum joints 10' OC, includes hangers 5' O.C.	30.0	L.F.	8	\$442	\$228	\$0	\$670	22.33	0.56
.151073202140	Pipe, cast iron soil, one hub, service weight, 3" diameter, lead and oakum joints 10' OC, includes hangers 5' O.C.	24.0	L.F.	6	\$370	\$254	\$0	\$624	25.99	0.52
.15110 160 1450	Valves, bronze, ball, threaded, 150 lb., 1/2"	4.0	Ea.	1	\$94	\$44	\$0	\$138	34.42	0.11

PROJECT: Rohde Island Air National Guard
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	0.00%	Profit:	8.00%	Overhead:	0.00%
		Bond:	0.00%		
Cubic Footage:	120,000	Square Footage:	1,200		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
MOP1 OP 1- Restroom										
<i>Plumbing</i>										
.15140 100 1100	Backflow preventer, double check principle, corrosion resistant, automatic operation, gate valves, threaded, 3/4" pipe size, includes valves and four test cocks	1.0	Ea.	1	\$32	\$1,009	\$0	\$1,042	1,041.64	0.87
.15411 500 2100	Hydrant, wall type, non-freeze, bronze, encased, 3/4" I.P.S connection, 5" to 9" thick wall	1.0	Ea.	1	\$37	\$442	\$0	\$479	479.00	0.40
.15418 450 0640	Lavatory, vanity top, porcelain enamel on cast iron, white, oval, 33" x 19", includes trim	1.0	Ea.	3	\$145	\$657	\$0	\$802	801.79	0.67
.15418 450 3580	Lavatory, vanity top, rough-in, supply, waste and vent	1.0	Ea.	7	\$404	\$102	\$0	\$506	505.96	0.42
.15418 900 1050	Water closet, tank type, vitreous china, floor mounted, combination, one piece, includes seat, supply pipe with stop	1.0	Ea.	3	\$176	\$1,071	\$0	\$1,247	1,246.92	1.04
.15418 900 1980	Water closet, tank type, vitreous china, floor mounted, rough-in, supply, waste and vent, one piece	1.0	Ea.	5	\$304	\$212	\$0	\$516	515.64	0.43
.154802001120	Water heater, residential, electric, glass lined tank, double element, 5 year, 66 gallon	1.0	Ea.	4	\$286	\$774	\$0	\$1,060	1,060.30	0.88
15A	SUBTOTAL Plumbing			50				\$7,943		6.62
<i>Electrical - Power</i>										
.16136 600 1460	Outlet boxes, cast, 2 gang, FS, 3/4" hub	10.0	Ea.	8	\$456	\$435	\$0	\$891	89.13	0.74
.16140 910 2482	Duplex receptacle, ground fault interrupting, 20 amp	2.0	Ea.	1	\$34	\$113	\$0	\$147	73.42	0.12
.16140 910 2800	Wall plate, stainless steel, 2 gang	3.0	Ea.	0	\$26	\$23	\$0	\$49	16.26	0.04
16B	SUBTOTAL Electrical - Power			9				\$1,087		0.91
<i>Electrical - Fixtures</i>										
.16120 900 0100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	1.0	C.L.F.	1	\$42	\$9	\$0	\$51	50.83	0.04
.16132 205 5000	Electric metallic tubing (EMT), 1/2" diameter, to 15' high, incl 2 terminations, 2 elbows & 11 beam clamps per 100 LF	50.0	L.F.	2	\$134	\$37	\$0	\$171	3.42	0.14
.16140 500 3800	Flush switch, standard	1.0	Ea.	0	\$11	\$17	\$0	\$28	28.24	0.02

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GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 0.00% Profit: 8.00% Overhead: 0.00% Bond: 0.00%

Cubic Footage: 120,000 Square Footage: 1,200

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 b

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EG m Maintenance Shed</i>										
MOP1 OP 1- Restroom										
<i>Electrical - Fixtures</i>										
.16140 910 2600	Wall plates, stainless steel, 1 gang	1.0	Ea.	0	\$6	\$3	\$0	\$9	9.05	0.01
.16510 440 0700	Fluorescent fixture, interior, acryl lens, grid recess ceiling mounted, 4-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	1.0	Ea.	3	\$143	\$531	\$0	\$674	673.60	0.56
16C	SUBTOTAL <i>Electrical - Fixtures</i>			6				\$932		0.78
OP 1- Restroom								SUBTOTAL		11.74
								\$14,090		
MOP2 OP 2- New Fire Hydrant and Waterline										
<i>Sitework - Utilities</i>										
.020801002240	Fire hydrants, two way, 8'-0" depth, 5-1/4" valve, includes mechanical joints, unless otherwise noted, includes lower barrel and shoe, excludes excavation and backfill	1.0	Ea.	5	\$199	\$1,497	\$37	\$1,733	1,732.98	1.44
.02510 730 3020	Fire line	405.0	L.F.	49	\$2,596	\$11,022	\$827	\$14,445	35.67	12.04
02K	SUBTOTAL <i>Sitework - Utilities</i>			53				\$16,178		13.48
OP 2- New Fire Hydrant and Wat								SUBTOTAL		13.48
								\$16,178		
EG m								SUBTOTAL		125.84
								\$151,014		
ESTIMATE GRAND TOTAL								\$1,785,327		1,487.77

PROJECT: Rohde Island Air National Guard
Prototypical - Pre fab
 Rohde Island Air National Guard
 Providence, Rhode Island

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 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	10.00%	Profit:	8.00%	Overhead:	13.00%
Bond:	0.00%				
Cubic Footage:	80,000	Square Footage:	8,000		

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 c

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EH Pre-Fabricated Building, Camp Fogarty</i>										
<i>Footings - System</i>										
.03310 240 4250	Structural concrete, in place, grade wall, 8" thick x 14' high, includes forms(4 uses), reinforcing steel, and finishing	16.4	C.Y.	120	\$7,596	\$3,812	\$770	\$12,178	743.60	1.52
03O	SUBTOTAL Footings - System			120				\$12,178		1.52
<i>SOG - System</i>										
.02310 100 1100	Fine grade, fine grade for slab on grade, machine	888.9	S.Y.	13	\$704	\$0	\$631	\$1,335	1.50	0.17
.02315 520 0800	Fill, gravel fill, compacted, under floor slabs	8,000.0	S.F.	64	\$3,037	\$5,150	\$264	\$8,451	1.06	1.06
.03310 240 5010	Structural concrete, in place, slab on grade, 6" thick, includes textured finish only	8,000.0	S.F.	176	\$9,904	\$17,430	\$132	\$27,466	3.43	3.43
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	80.0	Sq.	17	\$1,162	\$357	\$0	\$1,519	18.98	0.19
03Y	SUBTOTAL SOG - System			271				\$38,771		4.85
<i>Exterior Walls - System</i>										
.09110 100 1740	Cages	6,176.0	S.F.	105	\$15,291	\$25,485	\$0	\$40,776	6.60	5.10
04U	SUBTOTAL Exterior Walls - System			105				\$40,776		5.10
<i>Canopy, Sheds, Misc. Structures.</i>										
.13128 700 0800	Pre-Eng Steel Bldg, clear span rigid frame, 30 psf roof and 20 psf wind load, 50' to 100' W x 14' eave H, incl. 26 ga. colored ribbed roofing & siding, excl. footings, slab, anchor bolts	8,000.0	SF Flr.	584	\$36,973	\$55,064	\$25,089	\$117,127	14.64	14.64
.13128 700 5800	Pre-Eng Steel Bldg Access., doors, H.M. self framing, single leaf, deluxe, 3' x 7', incl. butts, lockset & trim	2.0	Opng.	8	\$525	\$951	\$0	\$1,476	737.82	0.18
.13128 700 5850	Pre-Eng Steel Bldg Access., doors, H.M. self framing, single leaf, economy, 3' 6" x 7', incl. butts, lockset & trim	1.0	Opng.	4	\$262	\$569	\$0	\$832	831.90	0.10
.13128 700 6100	Pre-Eng Steel Bldg Access., framing only, for openings, 10' x 10'	1.0	Opng.	3	\$170	\$512	\$116	\$797	797.24	0.10
.13128 700 6150	Pre-Eng Steel Bldg Access., framing only, for windows below, 2' x 2'	4.0	Opng.	9	\$568	\$660	\$386	\$1,614	403.57	0.20
.13128 700 6300	Pre-Eng Steel Bldg Access., flashings, corner or eave, galvanized, 26 gauge	200.0	L.F.	13	\$875	\$624	\$0	\$1,499	7.49	0.19

PROJECT: Rohde Island Air National Guard
Prototypical - Pre fab
 Rohde Island Air National Guard
 Providence, Rohde Island

OWNER
 Rohde Island Air National Gaurd
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 10.00% Profit: 8.00% Overhead: 13.00% Bond: 0.00%

Cubic Footage: 80,000 Square Footage: 8,000

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 c

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EH Pre-Fabricated Building, Camp Fogarty</i>										
<i>Canopy, Sheds, Misc. Structures.</i>										
13128 700 6600	Pre-Eng Steel Bldg Access., gutter, eave type, galvanized, 26 gauge	200.0	L.F.	10	\$657	\$660	\$0	\$1,317	6.59	0.16
13128 700 7100	Pre-Eng Steel Bldg Access., insulation, foil/scrim/kraft (FSK) faced, rated .6 lb density, R13, 4" thick	12,200.0	S.F.	85	\$5,034	\$8,458	\$0	\$13,492	1.11	1.69
13e	SUBTOTAL <i>Canopy, Sheds, Misc. Structures.</i>			716				\$138,154		17.27
<i>General Electrical</i>										
16520 300 5000	Electrical	8,000.0	SF	2,000	\$33,012	\$79,229	\$6,602	\$118,843	14.86	14.86
16A	SUBTOTAL <i>General Electrical</i>			2,000				\$118,843		14.86
SUBTOTAL								\$348,722		43.59
EH SUBTOTAL								\$348,722		43.59
ESTIMATE GRAND TOTAL								\$348,722		43.59

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
 Providence, Rohde Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW00 Oil-Water Seperator										
<i>Equipment</i>										
11310 100 0500	Oil/water separators, complete system, treated capacity 11 cubic feet per second, excluding excavation and backfill	1.0	Ea.	329	\$16,250	\$40,646	\$6,253	\$63,150	63,149.90	4.21
11A	SUBTOTAL Equipment			329				\$63,150		4.21
<i>Special Construction</i>										
13201 300 3370	Storage Tanks, steel	2.0	Ea.	36	\$8,568	\$49,694	\$0	\$58,262	29,131.20	3.88
13A	SUBTOTAL Special Construction			36				\$58,262		3.88
Oil-Water Seperator SUBTOTAL								\$121,412		8.09
BW02 R&R Auto Water Release Valves										
<i>Sitework - Fences</i>										
02820 110 4799	Fence Accessories	3.0	Ea.	21	\$1,010	\$12,723	\$154	\$13,888	4,629.29	0.93
02H	SUBTOTAL Sitework - Fences			21				\$13,888		0.93
<i>Plumbing</i>										
15055 600 6100	Valve, remove and replace	2.0	Ea.	4	\$522	\$3,308	\$0	\$3,830	1,914.88	0.26
15A	SUBTOTAL Plumbing			4				\$3,830		0.26
R&R Auto Water Release Valves SUBTOTAL								\$17,718		1.18
BW04 Replace Sump Drain Gate Valves										
<i>Special Construction</i>										
13201 300 3370	Storage Tanks, steel design and relocate	2.0	Ea.	36	\$17,136	\$34,272	\$0	\$51,408	25,704.00	3.43
13A	SUBTOTAL Special Construction			36				\$51,408		3.43

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
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DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
Bond:	0.00%				
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 i

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW04 Replace Sump Drain Gate Valves										
<i>Plumbing</i>										
.15110 800 1640	Valves, stainless steel, ball, threaded, 3/4"	1.0	Ea.	0	\$113	\$99	\$0	\$212	212.38	0.01
.15110 800 1670	Valves, stainless steel, ball, threaded, 1-1/2"	1.0	Ea.	1	\$113	\$242	\$0	\$355	355.12	0.02
15A	SUBTOTAL Plumbing			1				\$568		0.04
Replace Sump Drain Gate Valves								SUBTOTAL		
								\$51,976		3.47
BW05 Replace Light Pole and Fixture System										
<i>General Electrical</i>										
.03310 240 3850	Structural concrete, in place, spread footing	1.0	C.Y.	1	\$111	\$171	\$1	\$283	283.31	0.02
.16520 300 5200	Light poles, anchor base, galvanized steel	1.0	Ea.	12	\$1,542	\$15,422	\$166	\$17,131	17,130.86	1.14
.16520 300 7650	Fixture	1.0	Ea.	2	\$428	\$2,913	\$0	\$3,342	3,341.52	0.22
16A	SUBTOTAL General Electrical			15				\$20,756		1.38
Replace Light Pole and Fixture S								SUBTOTAL		
								\$20,756		1.38
BW06 Remove and Stockpile Light and Pole										
<i>Sitework -Demolition</i>										
.16520 300 5200	Remove and stock pile Pole etc.	1.0	Ea.	12	\$2,570	\$857	\$188	\$3,616	3,615.70	0.24
02A	SUBTOTAL Sitework -Demolition			12				\$3,616		0.24
Remove and Stockpile Light and								SUBTOTAL		
								\$3,616		0.24
BW07 Design and Install Alarm For Reclaim Tank										
<i>Special Construction</i>										
.13930 400 1820	Reclaim Tank Alarm	1.0	Ea.	32	\$2,313	\$15,380	\$86	\$17,779	17,778.60	1.19

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
 Providence, Rohde Island

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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
Bond:	0.00%				
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 i

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW07	Design and Install Alarm For Reclaim Tank									
<i>Special Construction</i>										
13A	SUBTOTAL Special Construction			32				\$17,779		1.19
Design and Install Alarm For Rec								SUBTOTAL		
								\$17,779		1.19
BW08	R&R Alarm and Associated Components on Aviation									
<i>Special Construction</i>										
.13930 400 1820	Aviation Alarm Adjustments	1.0	Ea.	32	\$3,770	\$2,570	\$86	\$6,426	6,426.00	0.43
13A	SUBTOTAL Special Construction			32				\$6,426		0.43
R&R Alarm and Associated Com								SUBTOTAL		
								\$6,426		0.43
BW09	Repaint Striping and Markings									
<i>Sitework - Utilities</i>										
.02760 300 0740	Lines on pavement, thermoplastic, white or yellow, 8" wide	24,587.0	L.F.	74	\$3,792	\$45,924	\$2,949	\$52,665	2.14	3.51
.02760 300 0784	Lines on pavement, glass beads, add	25.0	M.L.F.	0	\$0	\$319	\$0	\$319	12.77	0.02
02K	SUBTOTAL Sitework - Utilities			74				\$52,985		3.53
Repaint Striping and Markings								SUBTOTAL		
								\$52,985		3.53
BW10	Provide Exhaust Fan									
<i>HVAC</i>										
.15830 100 5560	Fans, industrial exhauster	1.0	Ea.	11	\$836	\$7,311	\$0	\$8,147	8,146.94	0.54
.15830 100 7240	Fans, roof exhauster, centrifugal, aluminum housing, bird screen, back draft damper, V belt drive, 2500 CFM	1.0	Ea.	5	\$783	\$3,482	\$0	\$4,265	4,264.96	0.28
15C	SUBTOTAL HVAC			16				\$12,412		0.83
Provide Exhaust Fan								SUBTOTAL		
								\$12,412		0.83

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
 Providence, Rohde Island

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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
Bond:	0.00%				
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW11 Install UV Scanner										
<i>Equipment</i>										
.11103 200 0400	Anti Static Devices	8.0	Ea.	18	\$2,633	\$13,165	\$0	\$15,798	1,974.72	1.05
.11103 200 0400	UV Scanner	2.0	Ea.	5	\$658	\$15,551	\$0	\$16,209	8,104.58	1.08
11A	SUBTOTAL			23				\$32,007		2.13
Install UV Scanner								SUBTOTAL	\$32,007	2.13
BW12 Replace Curb										
<i>Sitework -Demolition</i>										
.02220 240 5200	Minor site demolition	25.0	C.Y.	56	\$2,870	\$0	\$1,649	\$4,520	180.78	0.30
02A	SUBTOTAL			56				\$4,520		0.30
<i>Sitework - Site Concrete</i>										
.02770 300 0440	Concrete curb and gutter, straight, steel forms, 6" high curb, 6" thick gutter, 24" wide, straight, cast-in-place	200.0	L.F.	14	\$1,028	\$1,672	\$0	\$2,701	13.50	0.18
02E	SUBTOTAL			14				\$2,701		0.18
Replace Curb								SUBTOTAL	\$7,220	0.48
BW14 Replace door sill										
<i>Hollow Metal Doors/Windows</i>										
.08110 250 0100	Door Accessories	1.0	Ea.	2	\$257	\$343	\$10	\$610	610.04	0.04
08A	SUBTOTAL			2				\$610		0.04
Replace door sill								SUBTOTAL	\$610	0.04

PROJECT: Rohde Island Air National Guard
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 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW15 Camera Bracket										
<i>Electrical - Fixtures</i>										
.16520 300 1170	Camera	1.0	Ea.	2	\$145	\$1,114	\$0	\$1,259	1,258.64	0.08
16C	SUBTOTAL Electrical - Fixtures			2				\$1,259		0.08
Camera Bracket								\$1,259		0.08
BW16 Blow-Off Valves										
<i>Plumbing</i>										
.15140 100 1160	Blow off valves	2.0	Ea.	2	\$226	\$3,133	\$0	\$3,360	1,679.87	0.22
15A	SUBTOTAL Plumbing			2				\$3,360		0.22
Blow-Off Valves								\$3,360		0.22
BW17 Pavement Replacement										
<i>Sitework -Demolition</i>										
.02220 250 5050	Minor site demolition, pavement , bituminous roads, 4" to 6" thick	800.0	S.Y.	76	\$9,596	\$0	\$4,798	\$14,394	17.99	0.96
02A	SUBTOTAL Sitework -Demolition			76				\$14,394		0.96
<i>Sitework - Asphalt/Bituminous Surfacing</i>										
.01450 500 0200	Field Testing, asphalt testing, compressive strength Marshall stability, set of three samples	1.0	Ea.	0	\$0	\$0	\$329	\$329	329.01	0.02
.01450 500 0220	Asphalt testing, density, set of three samples	1.0	Ea.	0	\$0	\$0	\$188	\$188	188.50	0.01
.01450 500 0350	Asphalt testing, mix design, 5 specimens	1.0	Ea.	0	\$0	\$0	\$398	\$398	397.56	0.03
.01450 500 4735	Soil testing, soil density, nuclear method, ASTM D2922	6.0	Ea.	0	\$0	\$0	\$463	\$463	77.11	0.03
.02310 100 1050	Fine grade, fine grade for small irregular areas, to 15,000 S.Y.	800.0	S.Y.	19	\$1,028	\$0	\$1,056	\$2,084	2.60	0.14

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
 Providence, Rohde Island

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 Rohde Island Air National Gaurd
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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
		Bond:	0.00%		
Cubic Footage:	150,000	Square Footage:	15,000		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 i

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW17 Pavement Replacement										
<i>Sitework - Asphalt/Bituminous Surfacing</i>										
.02315 310 5040	Compaction, riding, vibrating roller, 4 passes, 6" lifts	400.0	E.C.Y.	2	\$144	\$0	\$123	\$267	0.67	0.02
.02720 200 0400	Base course, for roadways and large paved areas, bank run gravel, spread and compacted, b deep	800.0	S.Y.	6	\$329	\$7,883	\$494	\$8,705	10.88	0.58
.02740 310 0380	Asphaltic concrete pavement, for highways and large paved areas, wearing course,	800.0	S.Y.	12	\$576	\$4,798	\$466	\$5,840	7.30	0.39
.02740 310 0460	Asphaltic concrete pavement, for highways and large paved areas, wearing course,	800.0	S.Y.	20	\$754	\$8,225	\$589	\$9,569	11.96	0.64
.02785 600 3270	Tack coat, emulsion, 0.10 gallons per S.Y., 1,000 S.Y.	800.0	S.Y.	5	\$260	\$452	\$315	\$1,028	1.29	0.07
02F	SUBTOTAL	<i>Sitework - Asphalt/Bituminous Surfacing</i>		65				\$28,871		1.92
Pavement Replacement SUBTOTAL								\$43,265		2.88
BW18 Replace Fire Hydrants										
<i>Sitework - Utilities</i>										
.020801002240	Fire hydrants Replace and Raise one	5.0	Ea.	30	\$4,284	\$9,425	\$428	\$14,137	2,827.44	0.94
02K	SUBTOTAL	<i>Sitework - Utilities</i>		30				\$14,137		0.94
Replace Fire Hydrants SUBTOTAL								\$14,137		0.94
BW19 Replace Overhead Door										
<i>Special Doors...Garage, Folding, Overhead</i>										
.08360 550 2700	R&R Doors, overhead, commercial, stock, steel, heavy duty, sectional, manual,	1.0	Ea.	11	\$2,570	\$4,284	\$0	\$6,854	6,854.40	0.46
.08360 550 2860	Doors, overhead, commercial, stock, steel, heavy duty, sectional, for 1-1/4" rigid insulation and 26 gauge galvanized back panel, add	280.0	S.F.	0	\$0	\$1,099	\$0	\$1,099	3.92	0.07
.08360 550 2950	Doors, overhead, commercial, stock, steel, heavy duty, sectional, for electric trolley operator, 1/2 HP, over 12' x 12', add	1.0	Ea.	8	\$857	\$1,714	\$0	\$2,570	2,570.40	0.17
08C	SUBTOTAL	<i>Special Doors...Garage, Folding, Overhead</i>		19				\$10,524		0.70

PROJECT: Rohde Island Air National Guard
Prototypical - Basewide
 Rohde Island Air National Guard
 Providence, Rohde Island

OWNER
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CONTRACTOR

DESIGNER
 Various
 Providence, Rohde Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 15.00% Profit: 8.00% Overhead: 13.00% Bond: 0.00%

Cubic Footage: 150,000 Square Footage: 15,000

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 i

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EI Base Wide Repairs</i>										
BW19	Replace Overhead Door									
	Replace Overhead Door							\$10,524		0.70
BW20	Roof Access Ladder									
	<i>Miscellaneous Metals</i>									
	.05514 500 0020 Adjust Ladder, steel	15.0	V.L.F.	10	\$758	\$1,645	\$40	\$2,443	162.88	0.16
	05C SUBTOTAL <i>Miscellaneous Metals</i>			10				\$2,443		0.16
	Roof Access Ladder							\$2,443		0.16
EI	SUBTOTAL							\$419,902		27.99
ESTIMATE GRAND TOTAL								\$419,902		27.99

PROJECT: Rohde Island Air National Guard
Prototypical - Roof
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
		Bond:	0.00%		
Cubic Footage:	201,750	Square Footage:	20,175		

Assemblies Totals Summary	
Project Number:	W912LD-05-R-0001 j

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EJ Repair/Replace Roof on Two Buildings</i>										
B#6 Building #6 Roof										
<i>Sitework -Demolition</i>										
.02315 490 0560	Hauling and Dump	495.4	L.C.Y.	102	\$4,839	\$0	\$10,739	\$15,578	31.44	0.77
.13281 120 8250	Roof Demo	7,875.0	S.F.	228	\$10,796	\$945	\$0	\$11,740	1.49	0.58
.16315 490 0560	Mech and Electrical	8,000.0	SF	0	\$54,835	\$0	\$0	\$54,835	6.85	2.72
02A	SUBTOTAL			330				\$82,154		4.07
<i>Structural Steel/Steel Joists</i>										
.05120 440 0450	Angle framing, structural steel, less than 4", field fabricated, incl cutting & welding	2,176.0	Lb.	198	\$14,654	\$1,753	\$1,081	\$17,488	8.04	0.87
.05210 600 0440	Roof structure	19.7	Ton	93	\$6,444	\$37,958	\$3,205	\$47,608	2,417.89	2.36
05A	SUBTOTAL			291				\$65,096		3.23
<i>Roofing</i>										
.05310 300 2600	Metal decking, steel, open type, wide rib, galvanized, under 50 Sq, 1-1/2" D, 20 ga	8,268.8	S.F.	66	\$4,818	\$18,987	\$283	\$24,088	2.91	1.19
.06110 555 6080	Wood framing, roofs, fascia boards, 2" x 10"	3.0	M.B.F.	160	\$11,053	\$4,344	\$0	\$15,397	5,132.23	0.76
.06110 555 7980	Wood framing, roof curbs, untreated, 2" x 6"	1.0	M.B.F.	31	\$2,142	\$1,157	\$0	\$3,299	3,298.68	0.16
.07220 700 2440	Roof Deck Insulation, composites with perlite, 1" thick	9,094.8	S.F.	91	\$5,299	\$12,624	\$0	\$17,923	1.97	0.89
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	9,094.0	Sq.	1,964	\$137,135	\$42,075	\$0	\$179,210	19.71	8.88
.07310 050 0600	Aluminum Shingles, ridge cap, .024" thick	174.0	L.F.	8	\$561	\$522	\$0	\$1,082	6.22	0.05
.07310 050 0700	Aluminum Shingles, end wall flashing, .024" thick	66.0	L.F.	3	\$213	\$148	\$0	\$361	5.47	0.02
.07310 050 1200	Aluminum Shingles, side wall flashing, .024" thick	348.0	L.F.	16	\$1,121	\$781	\$0	\$1,902	5.47	0.09

PROJECT: Rohde Island Air National Guard
Prototypical - Roof
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 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
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CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS

Contingency: 15.00% Profit: 8.00% Overhead: 13.00% Bond: 0.00%

Cubic Footage: 201,750 Square Footage: 20,175

Assemblies Totals Summary

Project Number: W912LD-05-R-0001 j

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EJ Repair/Replace Roof on Two Buildings</i>										
B#6 Building #6 Roof										
<i>Roofing</i>										
.07410 700 0925	Steel Roofing, on steel frame, flat profile, 2" x 2" batten, standard finish, 16-1/2" wide, 22 gauge	8,268.0	S.F.	298	\$18,843	\$99,176	\$0	\$118,020	14.27	5.85
.07460 100 3690	Snow guard	174.0	L.F.	7	\$450	\$230	\$0	\$680	3.91	0.03
.07710 400 0400	Aluminum downspouts, enameled, 3" x 4", .024" thick	375.0	L.F.	21	\$1,729	\$1,041	\$0	\$2,770	7.39	0.14
.077106500600	Aluminum gutters, enameled, .032" thick, 5" x 6" combination fascia & gutter	348.0	L.F.	46	\$3,727	\$2,135	\$0	\$5,862	16.84	0.29
07B	SUBTOTAL Roofing			2,712				\$370,592		18.37
Building #6 Roof SUBTOTAL								\$517,842		25.67
COV Coventry Roof										
<i>Sitework -Demolition</i>										
.02315 490 0560	Hauling and Dump	322.2	L.C.Y.	66	\$3,147	\$0	\$6,985	\$10,132	31.44	0.50
.13281 120 8250	Roof Demo	12,300.0	S.F.	357	\$16,862	\$1,475	\$0	\$18,337	1.49	0.91
.16315 490 0560	Mech and Electrical	12,300.0	SF	0	\$84,309	\$0	\$0	\$84,309	6.85	4.18
02A	SUBTOTAL Sitework -Demolition			423				\$112,778		5.59
<i>Structural Steel/Steel Joists</i>										
.05120 440 0450	Angle framing, structural steel, less than 4", field fabricated, incl cutting & welding	2,176.0	Lb.	198	\$14,654	\$1,753	\$1,081	\$17,488	8.04	0.87
.05210 600 0440	Roof structure	30.8	Ton	145	\$10,064	\$59,280	\$5,006	\$74,350	2,417.89	3.69
05A	SUBTOTAL Structural Steel/Steel Joists			343				\$91,838		4.55
<i>Roofing</i>										
.05310 300 2600	Metal decking, steel, open type, wide rib, galvanized, under 50 Sq, 1-1/2" D, 20 ga	14,206.5	S.F.	114	\$8,277	\$32,621	\$487	\$41,385	2.91	2.05

PROJECT: Rohde Island Air National Guard
Prototypical - Roof
 Rohde Island Air National Guard
 Providence, Rhode Island

OWNER
 Rohde Island Air National Guard
 330 Camp Street
 Providence, RI 02906-1954

CONTRACTOR

DESIGNER
 Various
 Providence, Rhode Island

GENERAL CONTRACTOR ADJUSTMENTS					
Contingency:	15.00%	Profit:	8.00%	Overhead:	13.00%
Bond:	0.00%				
Cubic Footage:	201,750	Square Footage:	20,175		

Assemblies Totals Summary
Project Number: W912LD-05-R-0001 j

CSI Number	Description	Quantity	Unit	Man Hour	Total Labor	Total Material	Total Equip. or Sub. Quote	Total	\$/Unit	\$/SF
<i>EJ Repair/Replace Roof on Two Buildings</i>										
COV Coventry Roof										
<i>Roofing</i>										
.06110 555 6080	Wood framing, roofs, fascia boards, 2" x 10"	3.0	M.B.F.	160	\$11,053	\$4,344	\$0	\$15,397	5,132.23	0.76
.06110 555 7980	Wood framing, roof curbs, untreated, 2" x 6"	1.0	M.B.F.	31	\$2,142	\$1,157	\$0	\$3,299	3,298.68	0.16
.07220 700 2440	Roof Deck Insulation, composites with perlite, 1" thick	12,915.0	S.F.	129	\$7,525	\$17,926	\$0	\$25,451	1.97	1.26
.07260 100 0900	Building Paper, polyethylene vapor barrier, standard, .006" thick, 9' x 400' roll	142.1	Sq.	31	\$2,142	\$657	\$0	\$2,800	19.71	0.14
.07310 050 0600	Aluminum Shingles, ridge cap, .024" thick	369.0	L.F.	17	\$1,189	\$1,107	\$0	\$2,295	6.22	0.11
.07310 050 0700	Aluminum Shingles, end wall flashing, .024" thick	68.0	L.F.	3	\$219	\$153	\$0	\$372	5.47	0.02
.07310 050 1200	Aluminum Shingles, side wall flashing, .024" thick	708.0	L.F.	33	\$2,281	\$1,589	\$0	\$3,870	5.47	0.19
.07410 700 0925	Steel Roofing, on steel frame, flat profile, 2" x 2" batten, standard finish, 16-1/2" wide, 22 gauge	12,915.0	S.F.	465	\$29,434	\$154,918	\$0	\$184,352	14.27	9.14
.07460 100 3690	Snow guard	708.0	L.F.	28	\$1,832	\$934	\$0	\$2,766	3.91	0.14
.07710 400 0400	Aluminum downspouts, enameled, 3" x 4", .024" thick	900.0	L.F.	51	\$4,149	\$2,498	\$0	\$6,647	7.39	0.33
.077106500600	Aluminum gutters, enameled, .032" thick, 5" x 6" combination fascia & gutter	708.0	L.F.	94	\$7,583	\$4,343	\$0	\$11,926	16.84	0.59
07B	SUBTOTAL Roofing			1,157				\$300,560		14.90
Coventry Roof SUBTOTAL								\$505,177		25.04
EJ SUBTOTAL								\$1,023,019		50.71
ESTIMATE GRAND TOTAL								\$1,023,019		50.71