

**FAC 2113 AIRCRAFT CORROSION CONTROL HANGAR**

FY24 SUC: \$3.66 / SF  
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 2113 AIRCRAFT CORROSION CONTROL HANGAR

SUC \$3.66

Release 2023 Qtr 4  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 40  
Average Size 18780.0

Adjusted Occurrences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace flush valve diaphragm tankless water closet	10	6.00 Ea.	\$163.58	\$203.14	4.0000	4	4	\$812.55	\$812.55
Rebuild flush valve tankless water closet	20	6.00 Ea.	\$1,151.29	\$1,387.61	2.0000	2	2	\$2,775.23	\$2,775.23
Unplug clogged line tankless water closet	5	6.00 Ea.	\$1,379.57	\$1,726.99	8.0000	8	8	\$13,815.92	\$13,815.92
Replace tankless water closet	35	6.00 Ea.	\$8,499.33	\$9,829.92	1.1429	1	1	\$9,829.92	\$9,829.92
Replace wax ring gasket for tankless water closet	5	6.00 Ea.	\$894.99	\$1,119.32	8.0000	8	8	\$8,954.57	\$8,954.57
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$109.06	\$135.42	5.7143	5	5	\$677.12	\$677.12
Rebuild flush valve for a urinal	20	4.00 Ea.	\$767.52	\$925.08	2.0000	2	2	\$1,850.15	\$1,850.15
Unplug line urinal	5	4.00 Ea.	\$610.57	\$764.33	8.0000	8	8	\$6,114.61	\$6,114.61
Replace wall-hung urinal	35	4.00 Ea.	\$4,350.08	\$5,232.19	1.1429	1	1	\$5,232.19	\$5,232.19
Replace washer in spud connection lavatory, vitreous china	7	11.00 Ea.	\$190.53	\$232.55	5.7143	5	5	\$1,162.75	\$1,162.75
Replace faucets lavatory, vitreous china	10	11.00 Ea.	\$2,150.19	\$2,586.34	4.0000	4	4	\$10,345.34	\$10,345.34
Clean out strainer and P trap lavatory, vitreous china	2	11.00 Ea.	\$405.01	\$507.00	20.0000	20	20	\$10,139.95	\$10,139.95
Replace lavatory, vitreous china	35	11.00 Ea.	\$7,905.95	\$9,497.47	1.1429	1	1	\$9,497.47	\$9,497.47
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$13.45	\$16.77	20.0000	20	20	\$335.39	\$335.39
Clean trap sink, iron enamel	3	1.00 Ea.	\$9.01	\$11.27	13.3333	13	13	\$146.56	\$146.56
Replace faucets sink, iron enamel	10	1.00 Ea.	\$195.47	\$235.12	4.0000	4	4	\$940.49	\$940.49
Unstop sink, iron enamel	2	1.00 Ea.	\$44.01	\$55.09	20.0000	20	20	\$1,101.88	\$1,101.88
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	1.00 Ea.	\$1,208.43	\$1,409.28	1.1429	1	1	\$1,409.28	\$1,409.28
Inspect / clean shower head fiberglass	3	1.00 Ea.	\$51.54	\$64.51	13.3333	13	13	\$838.68	\$838.68
Replace mixing valve barrel shower, fiberglass	2	1.00 Ea.	\$298.22	\$350.83	20.0000	20	20	\$7,016.64	\$7,016.64
Replace mixing valve shower, fiberglass	10	1.00 Ea.	\$293.39	\$356.93	4.0000	4	4	\$1,427.72	\$1,427.72
Replace shower and fittings, fiberglass	20	1.00 Ea.	\$1,099.08	\$1,310.31	2.0000	2	2	\$2,620.61	\$2,620.61
Check / minor repairs drinking fountain	1	2.00 Ea.	\$103.05	\$129.00	40.0000	40	40	\$5,160.01	\$5,160.01
Repair internal leaks drinking fountain	4	2.00 Ea.	\$95.54	\$119.59	10.0000	10	10	\$1,195.94	\$1,195.94
Correct water pressure drinking fountain	2	2.00 Ea.	\$88.02	\$110.19	20.0000	20	20	\$2,203.75	\$2,203.75
Replace refrigerant drinking fountain	2	2.00 Ea.	\$70.81	\$82.86	20.0000	20	20	\$1,657.19	\$1,657.19
Repair drain leak drinking fountain	4	2.00 Ea.	\$58.19	\$70.38	10.0000	10	8	\$703.79	\$563.03
Replace fountain drinking fountain	10	2.00 Ea.	\$3,241.63	\$3,808.60	4.0000	4	4	\$15,234.41	\$15,234.41
Inspect and clean spray heads, emergency eye wash	3	4.00 Ea.	\$206.14	\$258.05	13.3333	13	13	\$3,354.70	\$3,354.70

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace eye wash station, emergency eye wash	25	4.00 Ea.	\$3,143.65	\$3,822.20	1.6000	1	1	\$3,822.20	\$3,822.20
Replace pipe and fittings, copper 3/4"	20	32.00 L.F.	\$799.91	\$969.47	2.0000	2	2	\$1,938.94	\$1,938.94
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$838.84	\$1,008.95	1.6000	1	1	\$1,008.95	\$1,008.95
Drain and flush water heater, electric, 120 gallon	7	1.00 Ea.	\$309.15	\$387.00	5.7143	5	5	\$1,935.00	\$1,935.00
Check operation water heater, electric, 120 gallon	3	1.00 Ea.	\$2.72	\$3.40	13.3333	13	13	\$44.20	\$44.20
Replace water heater, electric, 120 gallon	15	1.00 Ea.	\$16,477.14	\$18,839.91	2.6667	2	2	\$37,679.82	\$37,679.82
Insp/chk pump/mtr oper, lub, chk align circulation pump, CI 1-1/2 HP	0.5	6.00 Ea.	\$75.35	\$94.33	80.0000	80	80	\$7,546.51	\$7,546.51
Replace pump / motor assembly circulation pump, CI 1-1/2 HP	20	6.00 Ea.	\$20,278.02	\$23,418.01	2.0000	2	2	\$46,836.01	\$46,836.01
Unclog floor drain, PVC	20	12.00 Ea.	\$605.42	\$757.88	2.0000	2	2	\$1,515.75	\$1,515.75
Repair joint pipe and fittings, PVC	10	2.00 Ea.	\$336.32	\$416.45	4.0000	4	4	\$1,665.82	\$1,665.82
Replace pipe, 4" pipe and fittings, PVC	30	400.00 L.F.	\$33,177.05	\$40,950.98	1.3333	1	1	\$40,950.98	\$40,950.98
General maintenance & repair drain: roof, scupper, area	1	4.00 Ea.	\$156.72	\$196.19	40.0000	40	40	\$7,847.51	\$7,847.51
Replace drain: roof, scupper, area	40	4.00 Ea.	\$4,521.49	\$5,215.40	1.0000	1	1	\$5,215.40	\$5,215.40
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,734.80	\$6,685.15	5.7143	5	5	\$33,425.73	\$33,425.73
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$40,588.94	\$47,558.43	1.3333	1	1	\$47,558.43	\$47,558.43
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$165.38	\$190.91	2.6667	2	2	\$381.83	\$381.83
Repair circulator pump, 1/12 - 3/4 H.P.	5	1.00 Ea.	\$103.47	\$122.05	8.0000	8	6	\$976.41	\$732.31
Replace circulator pump, 1/12 - 3/4 H.P.	15	1.00 Ea.	\$3,796.05	\$4,376.03	2.6667	2	2	\$8,752.06	\$8,752.06
Repair damaged pipe insulation, fiberglass 3/4"	5	4.00 Ea.	\$88.60	\$108.27	8.0000	8	8	\$866.16	\$866.16
Repair damaged pipe insulation, fiberglass 2"	5	2.00 Ea.	\$52.78	\$64.34	8.0000	8	8	\$514.73	\$514.73
Replace pipe insulation, fiberglass 3/4"	5	0.03 M.L.F.	\$271.79	\$330.79	8.0000	8	8	\$2,646.30	\$2,646.30
Replace pipe insulation, fiberglass 2"	5	0.01 M.L.F.	\$108.69	\$131.92	8.0000	8	8	\$1,055.36	\$1,055.36
Maintenance and repair standard suspended heater	2	8.00 Ea.	\$917.80	\$1,082.95	20.0000	20	20	\$21,659.05	\$21,659.05
Maintenance and inspection standard suspended heater	0.5	8.00 Ea.	\$658.55	\$825.07	80.0000	80	80	\$66,005.24	\$66,005.24
Replace heater standard suspended heater	15	8.00 Ea.	\$5,830.04	\$6,759.54	2.6667	2	2	\$13,519.09	\$13,519.09
Repair single zone rooftop unit, 10 ton	10	2.00 Ea.	\$49,135.74	\$56,766.29	4.0000	4	4	\$227,065.17	\$227,065.17
Replace single zone rooftop unit, 10 ton	15	2.00 Ea.	\$29,837.62	\$35,282.15	2.6667	2	2	\$70,564.29	\$70,564.29
Rebuild 6" diameter reduced pressure backflow preventer	10	1.00 Ea.	\$1,039.67	\$1,216.66	4.0000	4	4	\$4,866.64	\$4,866.64
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	40.0000	40	40	\$1,811.38	\$1,811.38
Replace sprinkler head	20	64.00 Ea.	\$5,609.46	\$6,921.72	2.0000	2	2	\$13,843.44	\$13,843.44
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$48,011.97	\$55,351.32	1.6000	1	1	\$55,351.32	\$55,351.32
Repair switchgear 1200 A mainframe	5	1.00 Ea.	\$1,803.55	\$2,115.75	8.0000	8	6	\$16,926.02	\$12,694.51

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Maintenance and inspection switchgear, mainframe	1	1.00 Ea.	\$68.26	\$85.52	40.0000	40	40	\$3,420.61	\$3,420.61
Replace switchgear 1200 A mainframe	20	1.00 Ea.	\$4,250.93	\$5,127.30	2.0000	2	2	\$10,254.60	\$10,254.60
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$525.64	\$638.99	8.0000	8	8	\$5,111.91	\$5,111.91
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$113.76	\$142.53	80.0000	80	80	\$11,402.04	\$11,402.04
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,682.04	\$2,001.49	2.2222	2	2	\$4,002.99	\$4,002.99
Maintenance and inspection circuit breaker, molded case, 480 V, 2 pole	0.5	12.00 Ea.	\$409.54	\$513.09	80.0000	80	80	\$41,047.33	\$41,047.33
Replace circuit breaker molded case, 480 V, 2 pole circuit breaker	50	12.00 Ea.	\$13,224.21	\$15,297.64	0.8000	0	0	\$0.00	\$0.00
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	2.00 Ea.	\$84.69	\$106.10	5.0000	5	5	\$530.51	\$530.51
Maintenance and inspection safety switch, 3 pole, heavy duty	1	2.00 Ea.	\$84.69	\$106.10	40.0000	40	40	\$4,244.09	\$4,244.09
Replace safety switch, heavy duty 30 A	25	2.00 Ea.	\$1,353.26	\$1,612.47	1.6000	1	1	\$1,612.47	\$1,612.47
Maintenance and repair receptacles and plugs	20	107.00 Ea.	\$4,712.62	\$5,883.06	2.0000	2	2	\$11,766.11	\$11,766.11
Replace receptacle/plug receptacles and plugs	20	107.00 Ea.	\$8,006.87	\$9,872.62	2.0000	2	2	\$19,745.24	\$19,745.24
Maintenance and repair wiring devices, switches	10	27.00 Ea.	\$1,189.17	\$1,484.51	4.0000	4	4	\$5,938.04	\$5,938.04
Replace wiring devices, switches	15	27.00 Ea.	\$1,800.39	\$2,241.18	2.6667	2	2	\$4,482.37	\$4,482.37
Maintenance and repair incandescent lighting fixtures	10	6.00 Ea.	\$404.00	\$482.69	4.0000	4	2	\$1,930.74	\$965.37
Replace incandescent lighting fixture lamp	5	6.00 Ea.	\$77.04	\$92.72	8.0000	8	8	\$741.78	\$741.78
Replace incandescent lighting fixture	20	6.00 Ea.	\$838.28	\$1,016.76	2.0000	2	2	\$2,033.51	\$2,033.51
Replace fluorescent light fixture ballast, 80 W	10	10.00 Ea.	\$1,046.06	\$1,289.91	4.0000	4	4	\$5,159.63	\$5,159.63
Replace lamps (2 lamps), 4', 34 W energy saver	10	10.00 Ea.	\$264.86	\$331.69	4.0000	4	4	\$1,326.76	\$1,326.76
Replace metal halide ballast, 175 W	10	26.00 Ea.	\$4,339.06	\$5,193.88	4.0000	4	2	\$20,775.50	\$10,387.75
Replace metal halide fixture lamp, 175 W	5	26.00 Ea.	\$1,484.52	\$1,806.78	8.0000	8	8	\$14,454.24	\$14,454.24
Replace metal halide fixture, 175 W	20	26.00 Ea.	\$19,206.95	\$22,642.41	2.0000	2	2	\$45,284.82	\$45,284.82
Repair smoke detector	10	30.00 Ea.	\$1,740.31	\$2,154.98	4.0000	4	3	\$8,619.91	\$6,464.93
Check operation smoke detector	1	30.00 Ea.	\$510.03	\$638.99	40.0000	40	40	\$25,559.56	\$25,559.56
Replace smoke detector	15	30.00 Ea.	\$9,076.57	\$10,836.55	2.6667	2	2	\$21,673.11	\$21,673.11
Repair heat detector	10	12.00 Ea.	\$751.24	\$924.63	4.0000	4	4	\$3,698.50	\$3,698.50
Check and repair manual pull station	10	2.00 Ea.	\$179.77	\$221.49	4.0000	4	3	\$885.97	\$664.48
Replace manual pull station	15	2.00 Ea.	\$417.52	\$503.53	2.6667	2	2	\$1,007.05	\$1,007.05
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	8.0000	8	8	\$1,460.76	\$1,460.76
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	80.0000	80	80	\$4,560.81	\$4,560.81
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	2.6667	2	2	\$5,350.95	\$5,350.95

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace fire alarm bell, 6"	20	4.00 Ea.	\$722.42	\$879.09	2.0000	2	2	\$1,758.17	\$1,758.17
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$254.10	\$303.63	4.0000	4	4	\$1,214.50	\$1,214.50
Maintenance and inspection secondary transformer, dry	0.5	1.00 Ea.	\$85.32	\$106.89	80.0000	80	80	\$8,551.53	\$8,551.53
Replace tankless flush valve	25	6.00 Ea.	\$1,621.46	\$1,903.31	1.6000	1	1	\$1,903.31	\$1,903.31
Replace metal floor grating	30	400.00 S.F.	\$11,415.87	\$13,167.91	1.3333	1	1	\$13,167.91	\$13,167.91
Repair clay brick wall, 1st floor	25	1,653.00 S.F.	\$74,796.82	\$91,937.28	1.6000	1	1	\$91,937.28	\$91,937.28
Replace aluminum siding, 1st floor	35	120.00 C.S.F.	\$74,357.92	\$89,562.62	1.1429	1	1	\$89,562.62	\$89,562.62
Replace aluminum siding, 2nd floor	35	60.00 C.S.F.	\$45,592.49	\$55,234.08	1.1429	1	1	\$55,234.08	\$55,234.08
Recaulk expansion and control joints	20	440.00 L.F.	\$5,211.68	\$6,426.73	2.0000	2	2	\$12,853.46	\$12,853.46
Replace glass - 1st floor (1% of glass) - steel frame window	1	6.90 S.F.	\$90.73	\$106.54	40.0000	40	40	\$4,261.58	\$4,261.58
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	35.00 Ea.	\$11,336.76	\$13,308.68	2.0000	2	2	\$26,617.36	\$26,617.36
Refinish 3'-9" x 5'-5" steel frame window - 1st floor.	5	35.00 Ea.	\$3,052.38	\$3,778.82	8.0000	8	8	\$30,230.54	\$30,230.54
Replace 3'-9" x 5'-5" steel frame window - 1st floor.	45	35.00 Ea.	\$63,215.22	\$72,766.45	0.8889	0	0	\$0.00	\$0.00
Finish new 3'-9" x 5'-5" steel frame window - 1st floor.	45	35.00 Ea.	\$2,658.48	\$3,288.92	0.8889	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	3.00 Ea.	\$2,107.00	\$2,502.58	2.8571	2	2	\$5,005.16	\$5,005.16
Refinish 3'-0" x 7'-0" steel, painted, door	4	3.00 Ea.	\$138.16	\$169.19	10.0000	10	10	\$1,691.89	\$1,691.89
Replace 3'-0" x 7'-0" steel, painted, door	45	3.00 Ea.	\$2,751.33	\$3,185.78	0.8889	0	0	\$0.00	\$0.00
Remove and replace electric bi-folding hangar door motor	15	2.00 Ea.	\$1,323.45	\$1,543.89	2.6667	2	2	\$3,087.79	\$3,087.79
Remove and replace electric bi-folding hangar door cables	15	2.00 Ea.	\$1,245.40	\$1,515.15	2.6667	2	2	\$3,030.30	\$3,030.30
Remove and replace electric bi-folding hangar door	20	2.00 Ea.	\$115,331.23	\$133,609.74	2.0000	2	2	\$267,219.48	\$267,219.48
Debris removal, by hand and visual inspection, metal panel roofing	1	16.40 M.S.F.	\$402.47	\$490.90	40.0000	40	40	\$19,635.94	\$19,635.94
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	327.80 S.F.	\$1,515.11	\$1,800.59	8.0000	8	8	\$14,404.74	\$14,404.74
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	8.00 S.F.	\$202.46	\$241.97	40.0000	40	40	\$9,678.82	\$9,678.82
Minor metal roof panel replacement, 2.5% of roof area	20	409.00 S.F.	\$5,267.11	\$6,243.87	2.0000	2	2	\$12,487.74	\$12,487.74
Total metal roof panel replacement	30	164.00 Sq.	\$145,129.84	\$172,049.47	1.3333	1	1	\$172,049.47	\$172,049.47
Repair 8" concrete block wall - (2% of walls) painted	25	0.30 C.S.F.	\$343.47	\$413.13	1.6000	1	1	\$413.13	\$413.13
Refinish concrete block wall painted	4	16.70 C.S.F.	\$1,982.13	\$2,396.34	10.0000	10	10	\$23,963.36	\$23,963.36
Replace 8" concrete block wall painted	75	16.70 C.S.F.	\$20,341.89	\$24,513.61	0.5333	0	0	\$0.00	\$0.00
Repair steel painted interior door	14	6.00 Ea.	\$1,673.93	\$1,954.09	2.8571	2	2	\$3,908.19	\$3,908.19
Refinish 3'-0" x 7'-0" steel painted interior door	4	6.00 Ea.	\$345.91	\$425.26	10.0000	10	10	\$4,252.64	\$4,252.64

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Replace 3'-0" x 7'-0" steel painted interior door	60	6.00 Ea.	\$7,677.29	\$8,903.50	0.6667	0	0	\$0.00	\$0.00	
Repair solid core wood door, interior	11	5.00 Ea.	\$1,394.94	\$1,628.41	3.6364	3	3	\$4,885.23	\$4,885.23	
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	5.00 Ea.	\$220.07	\$271.19	10.0000	10	9	\$2,711.89	\$2,440.70	
Replace 3'-0" x 7'-0" solid core wood door, interior	40	5.00 Ea.	\$2,832.75	\$3,270.49	1.0000	1	1	\$3,270.49	\$3,270.49	
Refinish concrete floor finished	25	164.00 C.S.F.	\$68,318.67	\$82,429.45	1.6000	1	1	\$82,429.45	\$82,429.45	
Acoustic tile repairs - (2% of ceilings)	9	2.00 C.S.F.	\$1,847.57	\$2,149.46	4.4444	4	4	\$8,597.85	\$8,597.85	
Replace acoustic tile ceiling, fire-rated	20	10.00 C.S.F.	\$5,209.28	\$6,156.97	2.0000	2	2	\$12,313.95	\$12,313.95	
			\$1,072,412.95	\$1,271,351.58				MR Subtotal	\$2,134,145.14	
									MR Per Year	\$53,186.50
									PM Total	\$15,520.15
									Subtotal	\$68,706.65
									Total Per Unit	\$3.66

FAC 2113 AIRCRAFT CORROSION CONTROL HANGAR

Release 2023 Qtr 4

Zip Code Prefix 222

Type PM

UM SF

Design Life 40

Average Size 18780.0

SUC \$3.66

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Extinguishing system, deluge / preaction, annualized	1.00	11.59	\$49.59	\$728.12	\$0.00	\$777.71	\$1,001.10	\$1,226.98
Extinguishing system, FM200, annualized	1.00	9.26	\$642.62	\$492.68	\$0.00	\$1,135.30	\$1,347.37	\$1,591.56
Transformer, dry type 500 KVA and over, annualized	1.00	0.77	\$13.83	\$53.61	\$0.00	\$67.44	\$84.91	\$103.07
Panelboard, 225 A and above, annualized	4.00	1.76	\$88.00	\$121.66	\$0.00	\$209.66	\$254.96	\$304.66
Motor control center, over 400 A, annualized	2.00	0.78	\$44.00	\$53.61	\$0.00	\$97.61	\$118.10	\$140.78
Fire alarm annunciator system, annualized	2.00	22.10	\$326.87	\$1,391.85	\$0.00	\$1,718.72	\$2,168.96	\$2,635.55
Light, emergency, hardwired system, annualized	8.00	2.00	\$71.84	\$126.19	\$0.00	\$198.03	\$243.08	\$291.71
Crane, electric bridge, over 15 tons, annualized	2.00	16.53	\$776.80	\$612.56	\$0.00	\$1,389.36	\$1,650.81	\$1,951.10
Hanger doors, sliding, annualized	2.00	4.51	\$59.17	\$198.79	\$0.00	\$257.96	\$323.51	\$392.02
Door, emergency egress, swinging, annualized	3.00	0.78	\$50.29	\$34.45	\$0.00	\$84.74	\$100.10	\$117.98
Fire doors, swinging, annualized	4.00	1.57	\$62.66	\$61.82	\$0.00	\$124.49	\$149.30	\$177.25
Urinals, annualized	4.00	0.91	\$26.51	\$48.66	\$0.00	\$75.17	\$92.42	\$111.00
Toilet (vacuum breaker type), annualized	6.00	1.06	\$53.13	\$56.77	\$0.00	\$109.90	\$132.24	\$157.24
Lavatories, annualized	11.00	3.83	\$85.72	\$239.80	\$0.00	\$325.52	\$406.03	\$490.83
Showers, annualized	1.00	0.23	\$13.51	\$14.34	\$0.00	\$27.85	\$33.51	\$39.84
Drink fountain, annualized	2.00	1.24	\$74.89	\$66.27	\$0.00	\$141.16	\$168.53	\$199.65
Valve, diaphragm, above 4", annualized	2.00	0.24	\$8.28	\$13.08	\$0.00	\$21.36	\$26.11	\$31.28
Valve, globe, above 4", annualized	2.00	0.32	\$8.28	\$17.00	\$0.00	\$25.28	\$31.21	\$37.55
Valve, OS&Y, above 4", annualized	2.00	0.32	\$8.28	\$17.00	\$0.00	\$25.28	\$31.21	\$37.55
Duplex sump, annualized	2.00	3.31	\$53.64	\$177.89	\$0.00	\$231.52	\$290.25	\$351.67
Boiler, hot water, oil, gas, or comb. fired, 120 - 500 MBH, annualized	1.00	15.88	\$88.55	\$1,002.80	\$0.00	\$1,091.35	\$1,401.04	\$1,715.17
Fan, axial, up to 5,000 CFM, annualized	2.00	2.49	\$16.60	\$133.42	\$0.00	\$150.01	\$191.70	\$234.21
Fan, axial, 5,000 to 10,000 CFM, annualized	4.00	5.16	\$127.51	\$275.55	\$0.00	\$403.06	\$498.48	\$600.27
Hood and blower, annualized	2.00	4.64	\$101.20	\$247.65	\$0.00	\$348.85	\$433.26	\$522.74
Controls, central system, electro/pneumatic, annualized	2.00	3.84	\$338.01	\$242.42	\$0.00	\$580.42	\$686.95	\$810.38
Steam humidification system, annualized	1.00	2.54	\$27.32	\$161.32	\$0.00	\$188.64	\$239.77	\$292.27
Dehumidifier, desiccant wheel, annualized	1.00	5.06	\$71.85	\$270.32	\$0.00	\$342.17	\$430.45	\$522.33
Backflow prevention device, up to 4", annualized	2.00	0.67	\$28.03	\$41.86	\$0.00	\$69.89	\$85.25	\$102.01
Cathodic protection system, annualized	2.00	2.92	\$52.15	\$166.47	\$0.00	\$218.62	\$273.77	\$331.53
						\$10,437.09	\$12,894.39	\$15,520.15





# FAC 2113 AIRCRAFT CORROSION CONTROL HANGAR

## Modeled Component List CostWorks Release 2023 Qtr 4

### D20 Plumbing

Tankless Water Closet	6.0 Ea.
Urinal	4.0 Ea.
Lavatory, Vitreous China	11.0 Ea.
Sink, Iron Enamel	1.0 Ea.
Shower, Fiberglass	1.0 Ea.
Drinking Fountain	2.0 Ea.
Emergency Eye Wash	4.0 Ea.
Water Heater, Electric, 120 Gallon	1.0 Ea.
Circulation Pump, C.I. 1-1/2 HP	6.0 Ea.
Drain: Roof, Scupper, Area	4.0 Ea.

### D30 HVAC

Boiler, Gas, 2000 MBH	1.0 Ea.
Metal Flue / Chimney, 6" diameter	1.0 L.F.
Circulator Pump, 1/12 - 3/4 H.P.	1.0 Ea.
Standard Suspended Heater	8.0 Ea.
Single Zone Air Conditioner, 10 ton	2.0 Ea.

### D40 Fire Protection

Sprinkler System, Fire Suppression, sprinkler head	64.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
Extinguishing system, FM200	1.0 Each

### D50 Electrical

Switchgear, Mainframe	1.0 Ea.
Motor Starter, Up To 600 V	2.0 Ea.
Safety Switch, Heavy Duty	2.0 Ea.
Incandescent Lighting Fixtures	6.0 Ea.
Metal Halide Fixture	26.0 Ea.
Smoke Detector	30.0 Ea.
Manual Pull Station	2.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	4.0 Ea.

### B20 Exterior Enclosure

Aluminum Siding, 1st floor	120.0 C.S.F.
Aluminum Siding, 2nd floor	60.0 C.S.F.
Steel Frame, Operating, 1st floor	35.0 Ea.
Steel, Painted	3.0 Ea.
Electric Bifolding Hangar Door Motor	2.0 Ea.

### B30 Roofing

Metal Steep Roofing	164.0 Sq.
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### C10 Interior Construction

Concrete Block, Painted	16.7 C.S.F.
Steel Painted Interior Doors	6.0 Ea.
Solid Core Interior Doors	5.0 Ea.
Fire Doors, Swinging, annualized	4.0 Each

### C30 Interior Finishes

Concrete, Finished	164.0 C.S.F.
Acoustic Tile, fire-rated	10.0 C.S.F.

### E10 Equipment

Crane, Electric, over 15 ton, annualized	2.0 Each
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### G40 Site Electrical Utilities

Cathodic Protection, annualized	2.0 Each
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FAC 2113 AIRCRAFT CORROSION CONTROL HANGAR  
Sustainment by Year  
CostWorks Release 2023 Qtr 4

