

FAC 1403 MISSILE OPERATIONS BUILDING

FY22 SUC: \$8.15 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 1403 MISSILE OPERATIONS BUILDING

SUC \$8.15

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 50
Average Size 5859.0

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
Repair steel painted interior door	14	2.00 Ea.	\$586.90	\$683.13	3.5714	3	3	\$2,049.38	\$2,049.38
Replace 3'-0" x 7'-0" steel painted interior door	60	2.00 Ea.	\$2,436.07	\$2,824.17	0.8333	0	0	\$0.00	\$0.00
Repair solid core wood door, interior	11	10.00 Ea.	\$2,934.52	\$3,415.64	4.5455	4	4	\$13,662.56	\$13,662.56
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	10.00 Ea.	\$433.65	\$532.50	12.5000	12	11	\$6,389.96	\$5,857.46
Replace 3'-0" x 7'-0" solid core wood door, interior	40	10.00 Ea.	\$4,894.27	\$5,658.10	1.2500	1	1	\$5,658.10	\$5,658.10
Repair concrete steps	15	0.70 S.F.	\$16.00	\$18.52	3.3333	3	3	\$55.55	\$55.55
Replace concrete steps	100	16.00 S.F.	\$855.34	\$1,043.08	0.5000	0	0	\$0.00	\$0.00
Replace metal stair railing, interior	45	12.00 L.F.	\$515.47	\$603.36	1.1111	1	1	\$603.36	\$603.36
Refinish concrete floor finished	25	8.46 C.S.F.	\$3,568.66	\$4,286.51	2.0000	2	2	\$8,573.03	\$8,573.03
Replace vinyl tile flooring	18	5.11 S.Y.	\$252.50	\$310.08	2.7778	2	2	\$620.17	\$620.17
Terrazzo floor repairs - (2% of floors)	15	1.32 S.F.	\$21.47	\$25.71	3.3333	3	3	\$77.12	\$77.12
Replace terrazzo floor	75	0.66 C.S.F.	\$1,026.99	\$1,226.29	0.6667	0	0	\$0.00	\$0.00
Replace carpet	8	48.89 S.Y.	\$2,689.75	\$3,106.32	6.2500	6	6	\$18,637.91	\$18,637.91
Repair gypsum board ceiling - (2% of ceilings)	20	0.01 C.S.F.	\$5.43	\$6.67	2.5000	2	2	\$13.34	\$13.34
Refinish gypsum board ceiling, up to 12' high	20	0.78 C.S.F.	\$100.69	\$124.48	2.5000	2	1	\$248.95	\$124.48
Replace gypsum board ceiling, up to 12' high	40	0.78 C.S.F.	\$289.61	\$355.64	1.2500	1	1	\$355.64	\$355.64
Replace acoustic tile ceiling, fire-rated	20	5.18 C.S.F.	\$2,715.50	\$3,200.65	2.5000	2	2	\$6,401.30	\$6,401.30
Replace flush valve diaphragm tankless water closet	10	4.00 Ea.	\$104.88	\$130.14	5.0000	5	5	\$650.72	\$650.72
Rebuild flush valve tankless water closet	20	4.00 Ea.	\$721.74	\$869.83	2.5000	2	2	\$1,739.66	\$1,739.66
Unplug clogged line tankless water closet	5	4.00 Ea.	\$873.58	\$1,092.51	10.0000	10	10	\$10,925.07	\$10,925.07
Replace tankless water closet	35	4.00 Ea.	\$5,144.88	\$5,953.98	1.4286	1	1	\$5,953.98	\$5,953.98
Replace tankless flush valve	25	4.00 Ea.	\$1,008.86	\$1,184.44	2.0000	2	2	\$2,368.88	\$2,368.88
Replace wax ring gasket for tankless water closet	5	4.00 Ea.	\$566.08	\$707.31	10.0000	10	10	\$7,073.06	\$7,073.06
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$52.44	\$65.07	7.1429	7	7	\$455.50	\$455.50
Rebuild flush valve for a urinal	20	2.00 Ea.	\$360.87	\$434.91	2.5000	2	2	\$869.83	\$869.83
Unplug line urinal	5	2.00 Ea.	\$290.14	\$362.86	10.0000	10	10	\$3,628.56	\$3,628.56
Replace wall-hung urinal	35	2.00 Ea.	\$1,937.73	\$2,338.21	1.4286	1	1	\$2,338.21	\$2,338.21
Replace washer in spud connection lavatory, vitreous china	7	4.00 Ea.	\$65.85	\$80.32	7.1429	7	7	\$562.24	\$562.24
Replace washer in faucet lavatory, vitreous china	2	4.00 Ea.	\$51.54	\$64.21	25.0000	25	25	\$1,605.18	\$1,605.18
Replace faucets lavatory, vitreous china	10	4.00 Ea.	\$726.90	\$875.02	5.0000	5	5	\$4,375.11	\$4,375.11
Clean out strainer and P trap lavatory, vitreous china	2	4.00 Ea.	\$139.48	\$174.43	25.0000	25	25	\$4,360.79	\$4,360.79
Replace lavatory, vitreous china	35	4.00 Ea.	\$2,690.30	\$3,232.88	1.4286	1	1	\$3,232.88	\$3,232.88

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$12.78	\$15.92	25.0000	25	25	\$397.90	\$397.90
Clean trap sink, iron enamel	3	1.00 Ea.	\$8.57	\$10.72	16.6667	16	16	\$171.50	\$171.50
Replace faucets sink, iron enamel	10	1.00 Ea.	\$181.73	\$218.76	5.0000	5	5	\$1,093.78	\$1,093.78
Unstop sink, iron enamel	2	1.00 Ea.	\$41.82	\$52.30	25.0000	25	25	\$1,307.56	\$1,307.56
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	1.00 Ea.	\$636.70	\$757.51	5.0000	5	5	\$3,787.55	\$3,787.55
Drain and flush water heater, electric, 120 gallon	7	0.50 Ea.	\$147.19	\$184.08	7.1429	7	7	\$1,288.54	\$1,288.54
Check operation water heater, electric, 120 gallon	3	0.50 Ea.	\$1.29	\$1.62	16.6667	16	16	\$25.87	\$25.87
Replace water heater, electric, 120 gallon	15	0.50 Ea.	\$7,316.29	\$8,368.44	3.3333	3	3	\$25,105.33	\$25,105.33
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.03	\$10.04	100.0000	100	100	\$1,003.93	\$1,003.93
Replace pump / motor assembly circulation pump, 1/12 HP	10	1.00 Ea.	\$1,100.58	\$1,290.00	5.0000	5	5	\$6,449.98	\$6,449.98
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$46.17	\$57.74	5.0000	5	5	\$288.68	\$288.68
Replace pipe & fittings, cast iron, 4"	40	8.00 L.F.	\$535.58	\$642.86	1.2500	1	1	\$642.86	\$642.86
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	2.5000	2	2	\$119.55	\$119.55
General maintenance & repair drain: roof, scupper, area	1	1.00 Ea.	\$36.99	\$46.26	50.0000	50	50	\$2,312.85	\$2,312.85
Replace drain: roof, scupper, area	40	1.00 Ea.	\$786.93	\$912.36	1.2500	1	1	\$912.36	\$912.36
Repair boiler, gas, 250 MBH	7	1.00 Ea.	\$2,031.05	\$2,390.45	7.1429	7	7	\$16,733.15	\$16,733.15
Replace boiler, gas, 250 MBH	30	1.00 Ea.	\$9,398.04	\$11,210.13	1.6667	1	1	\$11,210.13	\$11,210.13
Repair circulator pump, 1/12 - 3/4 H.P.	5	1.00 Ea.	\$98.13	\$115.73	10.0000	10	7	\$1,157.31	\$810.12
Replace circulator pump, 1/12 - 3/4 H.P.	15	1.00 Ea.	\$3,822.30	\$4,402.23	3.3333	3	3	\$13,206.68	\$13,206.68
Replace terminal reheat, 12" x 24" coil	15	1.00 Ea.	\$1,757.46	\$2,016.85	3.3333	3	3	\$6,050.54	\$6,050.54
Repair terminal reheat, 18" x 24" coil	10	1.00 Ea.	\$103.74	\$129.74	5.0000	5	5	\$648.68	\$648.68
Repair computer room A/C, chilled water, 5 ton	10	1.00 Ea.	\$7,987.62	\$9,348.50	5.0000	5	3	\$46,742.48	\$28,045.49
Replace computer room A/C, chilled water, 5 ton	20	1.00 Ea.	\$26,191.59	\$30,049.22	2.5000	2	2	\$60,098.44	\$60,098.44
Repair single zone rooftop unit, 15 ton	10	1.00 Ea.	\$31,902.03	\$36,862.57	5.0000	5	5	\$184,312.87	\$184,312.87
Replace single zone rooftop unit, 15 ton	15	1.00 Ea.	\$22,261.64	\$26,138.10	3.3333	3	3	\$78,414.30	\$78,414.30
Repair central station A.H.U., 8000 CFM	10	1.00 Ea.	\$1,302.07	\$1,515.31	5.0000	5	4	\$7,576.53	\$6,061.23
Replace central station A.H.U., 8000 CFM	15	1.00 Ea.	\$36,431.80	\$42,017.17	3.3333	3	3	\$126,051.52	\$126,051.52
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	50.0000	50	50	\$2,146.43	\$2,146.43
Replace sprinkler head	20	12.00 Ea.	\$1,026.27	\$1,262.27	2.5000	2	2	\$2,524.55	\$2,524.55
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$710.41	\$851.09	50.0000	50	50	\$42,554.69	\$42,554.69
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$44,139.08	\$50,910.34	2.0000	2	2	\$101,820.68	\$101,820.68
Repair switchboard meter	10	2.00 Ea.	\$3,137.79	\$3,660.37	5.0000	5	5	\$18,301.83	\$18,301.83
Maintenance and repair rectifier, up to 600 V	2	1.00 Ea.	\$686.80	\$818.18	25.0000	25	25	\$20,454.51	\$20,454.51

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$559.28	\$675.20	10.0000	10	10	\$6,751.96	\$6,751.96
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$107.96	\$135.26	100.0000	100	100	\$13,526.02	\$13,526.02
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,610.62	\$1,916.15	2.7778	2	2	\$3,832.30	\$3,832.30
Maintenance and repair secondary transformer, dry	10	2.00 Ea.	\$464.88	\$556.53	5.0000	5	5	\$2,782.66	\$2,782.66
Maintenance and inspection secondary transformer, dry	0.5	2.00 Ea.	\$161.31	\$202.09	100.0000	100	100	\$20,209.46	\$20,209.46
Maintenance and inspection lighting panel, indoor	3	4.00 Ea.	\$162.58	\$203.69	16.6667	16	16	\$3,258.97	\$3,258.97
Maintenance and repair breaker, molded case, 480 V, 2 pole	20	16.00 Ea.	\$1,148.20	\$1,438.53	2.5000	2	2	\$2,877.06	\$2,877.06
Repair failed breaker, molded case, 600 V, 3 pole	10	1.00 Ea.	\$372.07	\$442.63	5.0000	5	5	\$2,213.16	\$2,213.16
Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole	0.33	1.00 Ea.	\$32.39	\$40.58	151.5152	151	151	\$6,127.29	\$6,127.29
Replace circuit breaker molded case, 600 V, 3 pole circuit breaker	50	1.00 Ea.	\$5,188.92	\$5,939.49	1.0000	1	1	\$5,939.49	\$5,939.49
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	2.00 Ea.	\$81.29	\$101.84	6.2500	6	6	\$611.06	\$611.06
Maintenance and repair receptacles and plugs	20	97.00 Ea.	\$4,097.61	\$5,115.65	2.5000	2	2	\$10,231.29	\$10,231.29
Replace receptacle/plug receptacles and plugs	20	97.00 Ea.	\$6,979.69	\$8,603.57	2.5000	2	2	\$17,207.15	\$17,207.15
Maintenance and repair wiring devices, switches	10	36.00 Ea.	\$1,520.76	\$1,898.59	5.0000	5	5	\$9,492.95	\$9,492.95
Replace wiring devices, switches	15	36.00 Ea.	\$2,353.60	\$2,923.99	3.3333	3	3	\$8,771.96	\$8,771.96
Maintenance and repair incandescent lighting fixtures	10	48.00 Ea.	\$3,305.55	\$3,935.28	5.0000	5	5	\$19,676.41	\$19,676.41
Replace incandescent lighting fixture lamp	5	48.00 Ea.	\$551.15	\$665.65	10.0000	10	10	\$6,656.49	\$6,656.49
Replace fluorescent light fixture ballast, 80 W	10	14.00 Ea.	\$1,745.36	\$2,117.32	5.0000	5	5	\$10,586.61	\$10,586.61
Replace lamps (2 lamps), 4', 34 W energy saver	10	14.00 Ea.	\$353.00	\$442.11	5.0000	5	5	\$2,210.53	\$2,210.53
Repair smoke detector	10	32.00 Ea.	\$1,804.40	\$2,230.85	5.0000	5	4	\$11,154.25	\$8,923.40
Check operation smoke detector	1	32.00 Ea.	\$518.22	\$649.25	50.0000	50	50	\$32,462.44	\$32,462.44
Replace smoke detector	15	32.00 Ea.	\$9,095.59	\$10,862.78	3.3333	3	3	\$32,588.34	\$32,588.34
Check and repair manual pull station	10	8.00 Ea.	\$701.57	\$862.64	5.0000	5	4	\$4,313.21	\$3,450.57
Replace manual pull station	15	8.00 Ea.	\$1,627.74	\$1,959.53	3.3333	3	3	\$5,878.59	\$5,878.59
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	10.0000	10	10	\$1,822.75	\$1,822.75
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	100.0000	100	100	\$5,410.41	\$5,410.41
Minor repairs to annunciation panel	5	1.00 Ea.	\$149.71	\$182.27	10.0000	10	10	\$1,822.75	\$1,822.75
Maintenance and inspection annunciation panel	0.5	1.00 Ea.	\$43.18	\$54.10	100.0000	100	100	\$5,410.41	\$5,410.41
Replace fire alarm bell, 6"	20	4.00 Ea.	\$779.85	\$941.10	2.5000	2	2	\$1,882.20	\$1,882.20
Maintenance and repair electrical service ground	25	1.00 M.L.F.	\$87.89	\$109.79	2.0000	2	2	\$219.57	\$219.57
Replace electrical service ground	50	1.00 M.L.F.	\$3,767.30	\$4,634.72	1.0000	1	1	\$4,634.72	\$4,634.72

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Maintenance and repair building structure ground	7	1.00 M.L.F.	\$87.89	\$109.79	7.1429	7	7	\$768.51	\$768.51	
Replace building structure ground	50	1.00 M.L.F.	\$4,337.42	\$5,318.61	1.0000	1	1	\$5,318.61	\$5,318.61	
Maintenance and repair of general wiring lightning protection system	1	2.00 M.L.F.	\$193.45	\$239.65	50.0000	50	50	\$11,982.65	\$11,982.65	
Replace lightning protection general wiring system	25	2.00 M.L.F.	\$22,018.24	\$26,191.98	2.0000	2	2	\$52,383.96	\$52,383.96	
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$351.56	\$439.15	50.0000	50	48	\$21,957.43	\$21,079.13	
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	2.0000	2	2	\$2,242.32	\$2,242.32	
Repair 8" concrete block wall, 1st floor	25	5,000.00 S.F.	\$121,074.09	\$148,116.15	2.0000	2	2	\$296,232.29	\$296,232.29	
Replace 8" concrete block wall, 1st floor	60	50.00 C.S.F.	\$59,292.72	\$71,656.38	0.8333	0	0	\$0.00	\$0.00	
Repair clay brick wall, 1st floor	25	31.30 S.F.	\$1,345.17	\$1,650.90	2.0000	2	2	\$3,301.80	\$3,301.80	
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	1.20 S.F.	\$14.47	\$17.01	50.0000	50	50	\$850.30	\$850.30	
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	20.00 Ea.	\$2,894.73	\$3,452.18	2.5000	2	2	\$6,904.36	\$6,904.36	
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	20.00 Ea.	\$9,762.63	\$11,570.48	1.0000	1	1	\$11,570.48	\$11,570.48	
Replace glass - 2nd floor (1% of glass) - alum. window fixed	1	2.00 S.F.	\$212.39	\$262.14	50.0000	50	50	\$13,107.06	\$13,107.06	
Repair steel, painted, door	14	0.10 Ea.	\$62.51	\$74.40	3.5714	3	3	\$223.20	\$223.20	
Refinish 3'-0" x 7'-0" steel, painted, door	4	3.00 Ea.	\$124.20	\$152.60	12.5000	12	12	\$1,831.18	\$1,831.18	
Replace 3'-0" x 7'-0" steel, painted, door	45	3.00 Ea.	\$2,115.19	\$2,459.19	1.1111	1	1	\$2,459.19	\$2,459.19	
Debris removal and visual inspection of built-up roofing	0.5	0.91 M.S.F.	\$34.23	\$41.75	100.0000	100	100	\$4,175.35	\$4,175.35	
Non-destructive moisture inspection of built-up roofing	5	0.91 M.S.F.	\$106.22	\$129.56	10.0000	10	10	\$1,295.59	\$1,295.59	
Minor BUR membrane repairs, 2% of roof area	1	0.18 Sq.	\$87.63	\$103.99	50.0000	50	50	\$5,199.32	\$5,199.32	
BUR flashing repairs, 2 S.F. per sq. repaired	1	0.36 S.F.	\$1.27	\$1.54	50.0000	50	50	\$77.12	\$77.12	
Debris removal, by hand and visual inspection, metal panel roofing	1	5.60 M.S.F.	\$127.59	\$155.62	50.0000	50	50	\$7,781.13	\$7,781.13	
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	113.00 S.F.	\$394.72	\$473.58	10.0000	10	10	\$4,735.79	\$4,735.79	
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	5.00 S.F.	\$91.50	\$110.86	50.0000	50	50	\$5,543.12	\$5,543.12	
Minor metal roof panel replacement, 2.5% of roof area	20	141.00 S.F.	\$1,611.29	\$1,913.66	2.5000	2	2	\$3,827.33	\$3,827.33	
Total metal roof panel replacement	30	57.00 Sq.	\$48,173.36	\$57,057.93	1.6667	1	1	\$57,057.93	\$57,057.93	
			\$566,992.10	\$674,254.34				MR Subtotal	\$1,654,599.86	
									MR Per Year	\$33,044.19
									PM Total	\$14,682.51
									Subtotal	\$47,726.70
									Total Per Unit	\$8.15

FAC 1403 MISSILE OPERATIONS BUILDING

SUC \$8.15

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 50

Type PM

Average Size 5859.0

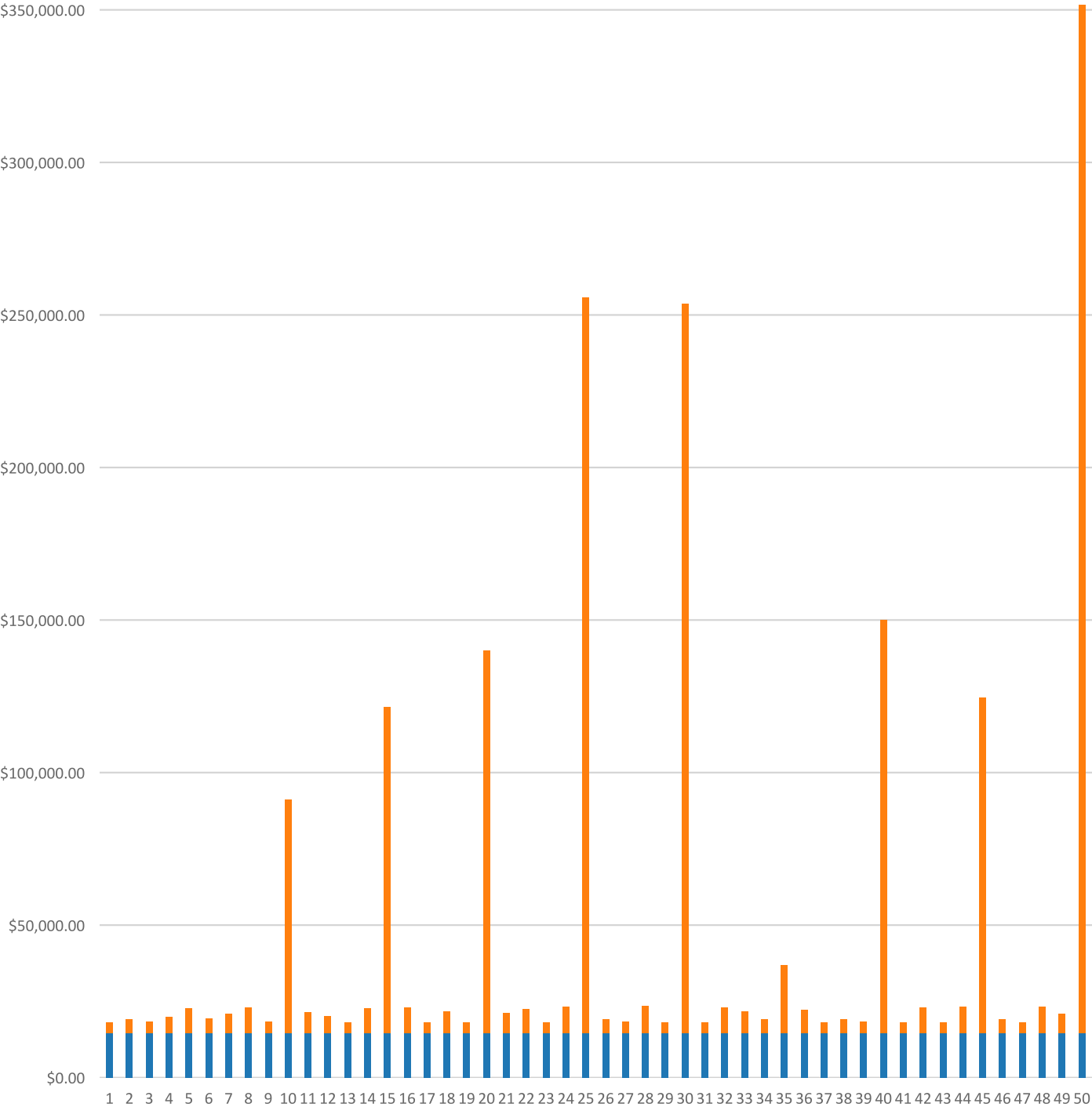
Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	4.00	1.04	\$58.37	\$43.00	\$0.00	\$101.37	\$120.10	\$141.76
Fire doors, swinging, annualized	1.00	0.39	\$14.32	\$14.56	\$0.00	\$28.88	\$34.68	\$41.19
Urinals, annualized	2.00	0.46	\$12.64	\$22.91	\$0.00	\$35.54	\$43.68	\$52.45
Toilet (vacuum breaker type), annualized	4.00	0.71	\$33.77	\$35.59	\$0.00	\$69.36	\$83.41	\$99.16
Lavatories, annualized	4.00	1.39	\$23.86	\$82.81	\$0.00	\$106.67	\$133.90	\$162.33
Duplex sump, annualized	2.00	3.31	\$46.51	\$166.51	\$0.00	\$213.02	\$267.62	\$324.55
Boiler, hot water, oil, gas, or comb. fired, up to 120 MBH, annualized	1.00	12.53	\$77.34	\$753.25	\$0.00	\$830.60	\$1,064.31	\$1,301.88
Air handling unit, computer room, annualized	1.00	3.42	\$127.39	\$171.79	\$0.00	\$299.18	\$363.46	\$434.10
VAV Boxes, annualized	8.00	7.47	\$76.84	\$451.07	\$0.00	\$527.91	\$670.91	\$817.76
Package unit, air cooled, 3 thru 24 ton, annualized	1.00	2.40	\$176.92	\$144.48	\$0.00	\$321.41	\$382.45	\$452.33
Backflow prevention device, up to 4", annually	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Backflow prevention device, up to 4", annualized	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
Fire pump, electric motor driven, annualized	1.00	47.75	\$53.08	\$2,841.22	\$0.00	\$2,894.30	\$3,751.98	\$4,612.31
Extinguishing system, foam pump electric, annualized	1.00	17.72	\$328.57	\$881.00	\$0.00	\$1,209.58	\$1,506.73	\$1,820.32
Switchboard, with air circuit breaker, annually	1.00	4.26	\$17.17	\$281.79	\$0.00	\$298.96	\$385.21	\$472.32
Circuit breaker, high voltage air, annualized	1.00	0.47	\$15.16	\$31.08	\$0.00	\$46.24	\$57.08	\$68.67
Transformer, dry type 500 KVA and over, annualized	1.00	0.77	\$15.16	\$50.76	\$0.00	\$65.92	\$82.66	\$100.17
Panelboard, 225 A and above, annualized	1.00	0.44	\$23.20	\$29.01	\$0.00	\$52.21	\$63.23	\$75.41
Motor control center, over 400 A, annualized	1.00	0.39	\$23.20	\$25.90	\$0.00	\$49.10	\$59.19	\$70.44
Fire alarm annunciator system, annualized	1.00	11.05	\$179.39	\$652.68	\$0.00	\$832.07	\$1,045.82	\$1,268.53
Security, intrusion alarm system, annualized	1.00	3.83	\$162.90	\$226.88	\$0.00	\$389.78	\$474.14	\$566.64
Light, emergency, hardwired system, annualized	16.00	4.00	\$123.72	\$236.21	\$0.00	\$359.93	\$443.16	\$532.58
						\$9,545.06	\$12,071.67	\$14,682.51

FAC 1403 MISSILE OPERATIONS BUILDING

Modeled Component List CostWorks Release 2021 Qtr 3

C10 Interior Construction	
Steel Painted Interior Doors	2.0 Ea.
Solid Core Interior Doors	10.0 Ea.
Fire Doors, Swinging, annualized	1.0 Each
C20 Stairs	
Concrete Steps	16.0 S.F.
Metal Interior Stair Railing	12.0 L.F.
C30 Interior Finishes	
Concrete, Finished	8.46 C.S.F.
Vinyl	5.111 S.Y.
Terrazzo	0.66 C.S.F.
Carpet	48.89 S.Y.
Gypsum Wall Board	0.78 C.S.F.
Acoustic Tile, fire-rated	5.18 C.S.F.
D20 Plumbing	
Tankless Water Closet	4.0 Ea.
Urinal	2.0 Ea.
Lavatory, Vitreous China	4.0 Ea.
Sink, Iron Enamel	1.0 Ea.
Water Heater, Electric, 120 Gallon	0.5 Ea.
Circulation Pump, 1/12 HP	1.0 Ea.
Drain: Roof, Scupper, Area	1.0 Ea.
D30 HVAC	
Boiler, Gas, 250 MBH	1.0 Ea.
Circulator Pump, 1/12 - 3/4 H.P.	1.0 Ea.
Terminal Reheat Coil, 12" x 24"	1.0 Ea.
Computer Room A/C Units, Chilled Water, 5 ton	1.0 Ea.
Single Zone Air Conditioner, 15 ton	1.0 Ea.
Central Station Air Conditioning Air Handling Unit, 8000 CFM	1.0 Ea.
VAV Box	8.0 Each
D40 Fire Protection	
Sprinkler System, Fire Supression, sprinkler head	12.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
Fire Pump, Electric, annualized	1.0 Each
D50 Electrical	
Motor Starter, Up To 600 V	2.0 Ea.
Load Center, 100 A, maintenance & inspection	4.0 Ea.
Circuit Breaker, molded case, 600 V, 3 pole	1.0 Ea.
Smoke Detector	32.0 Ea.
Manual Pull Station	8.0 Ea.
Fire Alarm Bell	4.0 Ea.
Electrical Service Ground	1.0 M.L.F.
Building Structure Ground	1.0 M.L.F.
Lightning Protection System	2.0 M.L.F.
Lightning Ground Rod	4.0 Ea.
B20 Exterior Enclosure	
Concrete Block, 1st floor	50.0 C.S.F.
Aluminum Window, Fixed, 1st floor	20.0 Ea.
Steel, Painted	3.0 Ea.
B30 Roofing	
Metal Steep Roofing	57.0 Sq.

FAC 1403 MISSILE OPERATIONS BUILDING
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost