

FAC 2121 MISSILE MAINTENANCE/ASSEMBLY BUILDING

FY24 SUC:	\$3.64 / SF
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 2121 MISSILE MAINTENANCE/ASSEMBLY BUILDING SUC \$3.64

Release 2023 Qtr 4 UM SF

Zip Code Prefix 222 Design Life 31

Type MR Average Size 13832.310526

Adjusted Occurences 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 plaster ceiling	75	259.60 S.Y.	\$16,809.73	\$20,614.97	0.4133	0	0	\$0.00	\$0.00
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$48,011.97	\$55,351.32	1.2400	1	1	\$55,351.32	\$55,351.32
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$748.17	\$896.73	31.0000	31	31	\$27,798.60	\$27,798.60
Repair clay brick wall, 1st floor	25	520.00 S.F.	\$23,529.55	\$28,921.59	1.2400	1	1	\$28,921.59	\$28,921.59
Point and refinish painted concrete block wall, 1st floor	25	32.50 C.S.F.	\$16,800.21	\$20,706.16	1.2400	1	1	\$20,706.16	\$20,706.16
Replace aluminum siding, 2nd floor	35	25.90 C.S.F.	\$19,680.76	\$23,842.71	0.8857	0	0	\$0.00	\$0.00
Refinish aluminum siding, 2nd floor	20	25.90 C.S.F.	\$8,175.80	\$10,076.27	1.5500	1	1	\$10,076.27	\$10,076.27
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	1.00 S.F.	\$13.15	\$15.44	31.0000	31	31	\$478.66	\$478.66
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	18.00 Ea.	\$2,813.64	\$3,352.89	1.5500	1	1	\$3,352.89	\$3,352.89
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	18.00 Ea.	\$12,195.73	\$14,315.45	0.6200	0	0	\$0.00	\$0.00
Repair 3'-9" x 5'-5" steel frame window - 2nd floor.	20	33.00 Ea.	\$12,341.60	\$14,601.41	1.5500	1	1	\$14,601.41	\$14,601.41
Refinish 3'-9" x 5'-5" steel frame window - 2nd floor.	5	33.00 Ea.	\$5,242.23	\$6,503.36	6.2000	6	6	\$39,020.14	\$39,020.14
Replace 3'-9" x 5'-5" steel frame window - 2nd floor.	45	33.00 Ea.	\$61,255.58	\$70,661.59	0.6889	0	0	\$0.00	\$0.00
Finish new 3'-9" x 5'-5" steel frame window - 2nd floor.	45	33.00 Ea.	\$4,870.84	\$6,041.45	0.6889	0	0	\$0.00	\$0.00
Replace glass - 2nd floor (1% of glass) - steel frame window	1	6.60 S.F.	\$747.85	\$923.20	31.0000	31	31	\$28,619.09	\$28,619.09
Refinish 12' x 24' steel double roll-up door	5	4.00 Ea.	\$1,846.39	\$2,251.89	6.2000	6	6	\$13,511.36	\$13,511.36
Replace 12' x 24' steel double roll-up door	35	4.00 Ea.	\$22,435.72	\$26,663.15	0.8857	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	8.00 Ea.	\$5,618.68	\$6,673.54	2.2143	2	2	\$13,347.08	\$13,347.08
Replace 3'-0" x 7'-0" steel, painted, door	45	8.00 Ea.	\$7,336.87	\$8,495.41	0.6889	0	0	\$0.00	\$0.00
Debris removal and visual inspection of built-up roofing	0.5	2.60 M.S.F.	\$105.35	\$128.50	62.0000	62	62	\$7,966.99	\$7,966.99
Non-destructive moisture inspection of built-up roofing	5	2.60 M.S.F.	\$328.24	\$400.36	6.2000	6	6	\$2,402.16	\$2,402.16
Minor BUR membrane repairs, 2% of roof area	1	0.50 Sq.	\$266.00	\$315.40	31.0000	31	31	\$9,777.42	\$9,777.42
BUR flashing repairs, 2 S.F. per sq. repaired	1	1.00 S.F.	\$3.79	\$4.60	31.0000	31	31	\$142.59	\$142.59
Minor BUR membrane replacement, 25% of roof area	15	6.70 Sq.	\$6,131.01	\$7,260.66	2.0667	2	2	\$14,521.32	\$14,521.32
Place new BUR membrane over existing	20	14.00 Sq.	\$7,437.95	\$8,765.28	1.5500	1	1	\$8,765.28	\$8,765.28
Total BUR roof replacement	28	144.00 Sq.	\$126,028.89	\$148,799.30	1.1071	1	1	\$148,799.30	\$148,799.30
Debris removal, by hand and visual inspection, metal panel roofing	1	6.00 M.S.F.	\$147.25	\$179.60	31.0000	31	31	\$5,567.51	\$5,567.51

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	121.40 S.F.	\$561.12	\$666.85	6.2000	6	6	\$4,001.07	\$4,001.07
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	2.40 S.F.	\$60.74	\$72.59	31.0000	31	31	\$2,250.33	\$2,250.33
Minor metal roof panel replacement, 2.5% of roof area	20	151.70 S.F.	\$1,953.60	\$2,315.88	1.5500	1	1	\$2,315.88	\$2,315.88
Total metal roof panel replacement	30	30.50 Sq.	\$26,990.61	\$31,997.00	1.0333	1	1	\$31,997.00	\$31,997.00
Repair steel painted interior door	14	11.00 Ea.	\$3,068.87	\$3,582.50	2.2143	2	2	\$7,165.01	\$7,165.01
Refinish 3'-0" x 7'-0" steel painted interior door	4	11.00 Ea.	\$634.17	\$779.65	7.7500	7	7	\$5,457.55	\$5,457.55
Replace 3'-0" x 7'-0" steel painted interior door	60	11.00 Ea.	\$14,075.03	\$16,323.09	0.5167	0	0	\$0.00	\$0.00
Replace insulating glass (3% of glass) fully glazed wooden doors	1	0.06 S.F.	\$3.00	\$3.51	31.0000	31	31	\$108.68	\$108.68
Repair fully glazed wood door	10	2.00 Ea.	\$557.98	\$651.36	3.1000	3	3	\$1,954.09	\$1,954.09
Refinish 3'-0" x 7'-0" fully glazed wood door	4	2.00 Ea.	\$147.56	\$183.07	7.7500	7	7	\$1,281.48	\$1,281.48
Replace 3'-0" x 7'-0" fully glazed wood door	40	2.00 Ea.	\$2,308.07	\$2,686.51	0.7750	0	0	\$0.00	\$0.00
Repair solid core wood door, interior	11	1.00 Ea.	\$278.99	\$325.68	2.8182	2	2	\$651.36	\$651.36
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	1.00 Ea.	\$44.01	\$54.24	7.7500	7	7	\$379.66	\$379.66
Replace 3'-0" x 7'-0" solid core wood door, interior	40	1.00 Ea.	\$566.55	\$654.10	0.7750	0	0	\$0.00	\$0.00
Repair concrete steps	15	43.00 S.F.	\$1,344.80	\$1,550.15	2.0667	2	2	\$3,100.30	\$3,100.30
Refinish metal stair railing, interior	7	22.00 S.F.	\$35.04	\$43.13	4.4286	4	4	\$172.52	\$172.52
Replace metal stair railing, interior	45	22.00 L.F.	\$1,026.11	\$1,200.77	0.6889	0	0	\$0.00	\$0.00
Repair 8" concrete block wall - (2% of walls) painted	25	1.50 C.S.F.	\$1,717.37	\$2,065.64	1.2400	1	1	\$2,065.64	\$2,065.64
Refinish concrete block wall painted	4	97.00 C.S.F.	\$11,512.98	\$13,918.84	7.7500	7	7	\$97,431.87	\$97,431.87
Repair 5/8" drywall - (2% of walls)	20	7.90 S.F.	\$13.20	\$16.13	1.5500	1	1	\$16.13	\$16.13
Replace carpet	8	26.40 S.Y.	\$1,425.51	\$1,648.48	3.8750	3	3	\$4,945.44	\$4,945.44
Refinish concrete floor finished	25	101.60 C.S.F.	\$42,324.25	\$51,066.05	1.2400	1	1	\$51,066.05	\$51,066.05
Replace vinyl tile flooring	18	11.50 S.Y.	\$587.53	\$723.02	1.7222	1	1	\$723.02	\$723.02
Acoustic tile repairs - (2% of ceilings)	9	0.40 C.S.F.	\$369.51	\$429.89	3.4444	3	3	\$1,289.68	\$1,289.68
Replace acoustic tile ceiling, fire-rated	20	21.60 C.S.F.	\$11,252.04	\$13,299.06	1.5500	1	1	\$13,299.06	\$13,299.06
Check / minor repairs drinking fountain	1	2.00 Ea.	\$103.05	\$129.00	31.0000	31	31	\$3,999.01	\$3,999.01
Repair internal leaks drinking fountain	4	2.00 Ea.	\$95.54	\$119.59	7.7500	7	7	\$837.16	\$837.16
Correct water pressure drinking fountain	2	2.00 Ea.	\$88.02	\$110.19	15.5000	15	15	\$1,652.81	\$1,652.81
Replace refrigerant drinking fountain	2	2.00 Ea.	\$70.81	\$82.86	15.5000	15	15	\$1,242.89	\$1,242.89
Repair drain leak drinking fountain	4	2.00 Ea.	\$58.19	\$70.38	7.7500	7	6	\$492.65	\$422.27
Replace fountain drinking fountain	10	2.00 Ea.	\$3,241.63	\$3,808.60	3.1000	3	3	\$11,425.81	\$11,425.81

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Inspect and clean spray heads, emergency eye wash	3	1.00 Ea.	\$51.54	\$64.51	10.3333	10	10	\$645.14	\$645.14
Replace eye wash station, emergency eye wash	25	1.00 Ea.	\$785.91	\$955.55	1.2400	1	1	\$955.55	\$955.55
Replace washer in spud connection lavatory, vitreous china	7	7.00 Ea.	\$121.25	\$147.99	4.4286	4	4	\$591.94	\$591.94
Replace washer in faucet lavatory, vitreous china	2	7.00 Ea.	\$94.97	\$118.42	15.5000	15	15	\$1,776.31	\$1,776.31
Replace faucets lavatory, vitreous china	10	7.00 Ea.	\$1,368.30	\$1,645.85	3.1000	3	3	\$4,937.55	\$4,937.55
Clean out strainer and P trap lavatory, vitreous china	2	7.00 Ea.	\$257.73	\$322.63	15.5000	15	15	\$4,839.52	\$4,839.52
Replace lavatory, vitreous china	35	7.00 Ea.	\$5,031.06	\$6,043.84	0.8857	0	0	\$0.00	\$0.00
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$13.45	\$16.77	15.5000	15	15	\$251.54	\$251.54
Clean trap sink, iron enamel	3	1.00 Ea.	\$9.01	\$11.27	10.3333	10	10	\$112.74	\$112.74
Replace faucets sink, iron enamel	10	1.00 Ea.	\$195.47	\$235.12	3.1000	3	3	\$705.36	\$705.36
Unstop sink, iron enamel	2	1.00 Ea.	\$44.01	\$55.09	15.5000	15	15	\$826.41	\$826.41
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	1.00 Ea.	\$1,208.43	\$1,409.28	3.1000	3	3	\$4,227.83	\$4,227.83
Inspect / clean shower head fiberglass	3	2.00 Ea.	\$103.07	\$129.03	10.3333	10	10	\$1,290.27	\$1,290.27
Replace mixing valve barrel shower, fiberglass	2	2.00 Ea.	\$596.45	\$701.66	15.5000	15	15	\$10,524.96	\$10,524.96
Replace mixing valve shower, fiberglass	10	2.00 Ea.	\$586.79	\$713.86	3.1000	3	3	\$2,141.58	\$2,141.58
Replace shower and fittings, fiberglass	20	2.00 Ea.	\$2,198.16	\$2,620.61	1.5500	1	1	\$2,620.61	\$2,620.61
Replace flush valve diaphragm tankless water closet	10	8.00 Ea.	\$218.11	\$270.85	3.1000	3	3	\$812.55	\$812.55
Rebuild flush valve tankless water closet	20	8.00 Ea.	\$1,535.05	\$1,850.15	1.5500	1	1	\$1,850.15	\$1,850.15
Unplug clogged line tankless water closet	5	8.00 Ea.	\$1,839.43	\$2,302.65	6.2000	6	6	\$13,815.92	\$13,815.92
Replace tankless water closet	35	8.00 Ea.	\$11,332.44	\$13,106.57	0.8857	0	0	\$0.00	\$0.00
Replace tankless flush valve	25	8.00 Ea.	\$2,161.94	\$2,537.74	1.2400	1	1	\$2,537.74	\$2,537.74
Replace wax ring gasket for tankless water closet	5	8.00 Ea.	\$1,193.32	\$1,492.43	6.2000	6	6	\$8,954.57	\$8,954.57
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$109.06	\$135.42	4.4286	4	4	\$541.70	\$541.70
Rebuild flush valve for a urinal	20	4.00 Ea.	\$767.52	\$925.08	1.5500	1	1	\$925.08	\$925.08
Unplug line urinal	5	4.00 Ea.	\$610.57	\$764.33	6.2000	6	6	\$4,585.96	\$4,585.96
Replace wall-hung urinal	35	4.00 Ea.	\$4,350.08	\$5,232.19	0.8857	0	0	\$0.00	\$0.00
Replace pipe and fittings, copper 3/4"	20	32.00 L.F.	\$799.91	\$969.47	1.5500	1	1	\$969.47	\$969.47
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$838.84	\$1,008.95	1.2400	1	1	\$1,008.95	\$1,008.95
Repair damaged pipe insulation, fiberglass 3/4"	5	4.00 Ea.	\$88.60	\$108.27	6.2000	6	6	\$649.62	\$649.62
Repair damaged pipe insulation, fiberglass 2"	5	2.00 Ea.	\$52.78	\$64.34	6.2000	6	6	\$386.05	\$386.05
Replace pipe insulation, fiberglass 3/4"	5	0.03 M.L.F.	\$271.79	\$330.79	6.2000	6	6	\$1,984.73	\$1,984.73
Replace pipe insulation, fiberglass 2"	5	0.01 M.L.F.	\$108.69	\$131.92	6.2000	6	6	\$791.52	\$791.52

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$103.05	\$129.00	15.5000	15	14	\$1,935.00	\$1,806.00
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$617.22	\$772.66	15.5000	15	15	\$11,589.86	\$11,589.86
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$40,152.67	\$46,253.95	1.5500	1	1	\$46,253.95	\$46,253.95
Unclog floor drain, PVC	20	1.00 Ea.	\$50.45	\$63.16	1.5500	1	1	\$63.16	\$63.16
Repair joint pipe and fittings, PVC	10	2.00 Ea.	\$336.32	\$416.45	3.1000	3	3	\$1,249.36	\$1,249.36
Replace pipe, 4" pipe and fittings, PVC	30	140.00 L.F.	\$11,611.97	\$14,332.84	1.0333	1	1	\$14,332.84	\$14,332.84
General maintenance & repair drain: roof, scupper, area	1	3.00 Ea.	\$117.54	\$147.14	31.0000	31	31	\$4,561.37	\$4,561.37
Replace drain: roof, scupper, area	40	3.00 Ea.	\$3,391.12	\$3,911.55	0.7750	0	0	\$0.00	\$0.00
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	1.00 Ea.	\$12.56	\$15.72	31.0000	31	31	\$487.38	\$487.38
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$639.87	\$757.30	1.5500	1	1	\$757.30	\$757.30
Replace pipe and fittings, oxygen	25	16.00 L.F.	\$398.24	\$482.59	1.2400	1	1	\$482.59	\$482.59
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	4.00 Ea.	\$17,188.25	\$19,939.83	1.5500	1	1	\$19,939.83	\$19,939.83
Repair single zone rooftop unit, 25 ton	10	1.00 Ea.	\$54,305.81	\$62,518.61	3.1000	3	2	\$187,555.82	\$125,037.21
Replace single zone rooftop unit, 25 ton	15	1.00 Ea.	\$52,455.46	\$60,922.27	2.0667	2	2	\$121,844.54	\$121,844.54
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	6.2000	6	6	\$1,095.57	\$1,095.57
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	62.0000	62	62	\$3,534.63	\$3,534.63
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	2.0667	2	2	\$5,350.95	\$5,350.95
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	31.0000	31	31	\$1,403.82	\$1,403.82
Replace sprinkler head	20	40.00 Ea.	\$3,505.91	\$4,326.08	1.5500	1	1	\$4,326.08	\$4,326.08
Replace fire alarm bell, 6"	20	4.00 Ea.	\$722.42	\$879.09	1.5500	1	1	\$879.09	\$879.09
Maintenance and inspection lighting panel, indoor	3	3.00 Ea.	\$127.03	\$159.15	10.3333	10	10	\$1,591.53	\$1,591.53
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	2.00 Ea.	\$84.69	\$106.10	3.8750	3	3	\$318.31	\$318.31
Maintenance and inspection safety switch, 3 pole, heavy duty	1	2.00 Ea.	\$84.69	\$106.10	31.0000	31	31	\$3,289.17	\$3,289.17
Replace safety switch, heavy duty 30 A	25	2.00 Ea.	\$1,353.26	\$1,612.47	1.2400	1	1	\$1,612.47	\$1,612.47
Maintenance and repair motor starter, up to 600 V	5	6.00 Ea.	\$1,576.92	\$1,916.96	6.2000	6	6	\$11,501.79	\$11,501.79
Maintenance and inspection motor starter, up to 600 V	0.5	6.00 Ea.	\$341.28	\$427.58	62.0000	62	62	\$26,509.73	\$26,509.73
Replace starter motor starter, up to 600 V	18	6.00 Ea.	\$5,046.13	\$6,004.48	1.7222	1	1	\$6,004.48	\$6,004.48
Replace fluorescent light fixture ballast, 80 W	10	84.00 Ea.	\$8,786.92	\$10,835.23	3.1000	3	2	\$32,505.68	\$21,670.45
Replace lamps (2 lamps), 4', 34 W energy saver	10	84.00 Ea.	\$2,224.80	\$2,786.19	3.1000	3	3	\$8,358.57	\$8,358.57
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	84.00 Ea.	\$20,800.43	\$25,315.64	1.5500	1	1	\$25,315.64	\$25,315.64
Replace metal halide ballast, 175 W	10	23.00 Ea.	\$3,838.40	\$4,594.58	3.1000	3	2	\$13,783.75	\$9,189.16
Replace metal halide fixture lamp, 175 W	5	23.00 Ea.	\$1,313.23	\$1,598.31	6.2000	6	6	\$9,589.83	\$9,589.83

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Replace metal halide fixture, 175 W	20	23.00 Ea.	\$16,990.77	\$20,029.82	1.5500	1	1	\$20,029.82	\$20,029.82	
Maintenance and repair receptacles and plugs	20	84.00 Ea.	\$3,699.63	\$4,618.47	1.5500	1	1	\$4,618.47	\$4,618.47	
Replace receptacle/plug receptacles and plugs	20	84.00 Ea.	\$6,285.77	\$7,750.47	1.5500	1	1	\$7,750.47	\$7,750.47	
Maintenance and repair wiring devices, switches	10	28.00 Ea.	\$1,233.21	\$1,539.49	3.1000	3	3	\$4,618.47	\$4,618.47	
Replace wiring devices, switches	15	28.00 Ea.	\$1,867.07	\$2,324.19	2.0667	2	2	\$4,648.38	\$4,648.38	
Check and repair manual pull station	10	4.00 Ea.	\$359.53	\$442.99	3.1000	3	2	\$1,328.96	\$885.97	
Replace manual pull station	15	4.00 Ea.	\$835.03	\$1,007.05	2.0667	2	2	\$2,014.10	\$2,014.10	
Repair smoke detector	10	10.00 Ea.	\$580.10	\$718.33	3.1000	3	2	\$2,154.98	\$1,436.65	
Check operation smoke detector	1	10.00 Ea.	\$170.01	\$213.00	31.0000	31	31	\$6,602.89	\$6,602.89	
Replace smoke detector	15	10.00 Ea.	\$3,025.52	\$3,612.18	2.0667	2	2	\$7,224.37	\$7,224.37	
Repair plaster ceiling - (2% of ceilings)	12	5.10 S.Y.	\$298.39	\$365.40	2.5833	2	2	\$730.81	\$730.81	
			\$845,341.41	\$1,000,675.48				MR Subtotal	\$1,331,747.32	
									MR Per Year	\$42,959.59
									PM Total	\$7,442.67
									Subtotal	\$50,402.26
									Total Per Unit	\$3.64

FAC 2121 MISSILE MAINTENANCE/ASSEMBLY BUILDING

Release 2023 Qtr 4

Zip Code Prefix 222

Type PM

UM SF

Design Life 31

Average Size 13832.310526

SUC \$3.64

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
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
Panelboard, 225 A and above, annualized	3.00	1.32	\$66.00	\$91.24	\$0.00	\$157.25	\$191.22	\$228.49
Extinguishing system, deluge / preaction, annually	1.00	4.12	\$32.89	\$258.98	\$0.00	\$291.87	\$372.86	\$455.49
Air compressor, gas engine powered, annualized	1.00	16.57	\$196.33	\$1,046.40	\$0.00	\$1,242.73	\$1,576.28	\$1,919.65
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$169.00	\$121.21	\$0.00	\$290.21	\$343.47	\$405.19
Package unit, water cooled, 3 thru 24 ton, annualized	1.00	2.40	\$166.98	\$151.73	\$0.00	\$318.71	\$380.92	\$451.49
VAV Boxes, annualized	4.00	3.74	\$43.52	\$235.44	\$0.00	\$278.96	\$353.94	\$431.10
Water heater, gas, to 120 gal., annualized	1.00	1.72	\$102.21	\$91.56	\$0.00	\$193.77	\$231.46	\$274.26
Drink fountain, annualized	2.00	1.24	\$74.89	\$66.27	\$0.00	\$141.16	\$168.53	\$199.65
Showers, annualized	2.00	0.46	\$27.02	\$28.69	\$0.00	\$55.71	\$67.02	\$79.68
Toilet (vacuum breaker type), annualized	8.00	1.42	\$70.84	\$75.69	\$0.00	\$146.53	\$176.32	\$209.65
Urinals, annualized	4.00	0.91	\$26.51	\$48.66	\$0.00	\$75.17	\$92.42	\$111.00
Fire doors, swinging, annualized	8.00	3.14	\$125.32	\$123.65	\$0.00	\$248.97	\$298.60	\$354.49
Door, overhead, manual, up to 24' high x 25' wide, annualized	2.00	4.39	\$17.02	\$194.27	\$0.00	\$211.30	\$271.28	\$332.12
Door, emergency egress, swinging, annualized	1.00	0.26	\$16.76	\$11.48	\$0.00	\$28.25	\$33.37	\$39.33
						\$5,069.94	\$6,208.51	\$7,442.67

FAC 2121 MISSILE MAINTENANCE/ASSEMBLY BUILDING

Modeled Component List CostWorks Release 2023 Qtr 4

C30 Interior Finishes	
Plaster	259.6 S.Y.
Carpet	26.4 S.Y.
Concrete, Finished	101.6 C.S.F.
Vinyl	11.5 S.Y.
Acoustic Tile, fire-rated	21.6 C.S.F.
D40 Fire Protection	
Fire Pump Electric Motor	1.0 Ea.
Sprinkler System, Fire Suppression, 3" backflow preventer	1.0 Ea.
Sprinkler System, Fire Suppression, sprinkler head	40.0 Ea.
B20 Exterior Enclosure	
Aluminum Siding, 2nd floor	25.9 C.S.F.
Aluminum Window, Fixed, 1st floor	18.0 Ea.
Steel Frame, Operating, 2nd floor	33.0 Ea.
Steel Double, Roll-Up	4.0 Ea.
Steel, Painted	8.0 Ea.
B30 Roofing	
Built-Up Roofing	144.0 Sq.
Metal Steep Roofing	30.5 Sq.
C10 Interior Construction	
Steel Painted Interior Doors	11.0 Ea.
Fully Glazed Wooden Doors	2.0 Ea.
Solid Core Interior Doors	1.0 Ea.
Concrete Block, Painted	97.0 C.S.F.
Fire Doors, Swinging, annualized	8.0 Each
C20 Stairs	
Metal Interior Stair Railing	22.0 L.F.
D20 Plumbing	
Drinking Fountain	2.0 Ea.
Emergency Eye Wash	1.0 Ea.
Lavatory, Vitreous China	7.0 Ea.
Sink, Iron Enamel	1.0 Ea.
Shower, Fiberglass	2.0 Ea.
Tankless Water Closet	8.0 Ea.
Urinal	4.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Drain: Roof, Scupper, Area	3.0 Ea.
Rainwater Sump Pump	1.0 Ea.
D30 HVAC	
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	4.0 Ea.
Single Zone Air Conditioner, 25 ton	1.0 Ea.
VAV Box	4.0 Each
D50 Electrical	
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	4.0 Ea.
Load Center, 100 A, maintenance & inspection	3.0 Ea.
Safety Switch, Heavy Duty	2.0 Ea.
Motor Starter, Up To 600 V	6.0 Ea.
Fluorescent Lighting Fixture	84.0 Ea.
Metal Halide Fixture	23.0 Ea.
Manual Pull Station	4.0 Ea.
Smoke Detector	10.0 Ea.

E10 Equipment

Crane, Electric, over 15 ton, annualized

2.0 Each

FAC 2121 MISSILE MAINTENANCE/ASSEMBLY BUILDING
Sustainment by Year
CostWorks Release 2023 Qtr 4

