

FAC 3151 WEAPONS RDTE FACILITY

FY22 SUC: \$8.18 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 3151 WEAPONS RDTE FACILITY
SUC \$8.18

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 10664.0

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
Refinish metal hand rail	7	24.00 L.F.	\$49.51	\$61.03	7.8571	7	7	\$427.19	\$427.19
Repair 8" concrete block wall, 1st floor	25	124.00 S.F.	\$3,002.64	\$3,673.28	2.2000	2	2	\$7,346.56	\$7,346.56
Waterproof concrete block wall, 1st floor	10	61.80 C.S.F.	\$14,028.76	\$16,686.52	5.5000	5	5	\$83,432.58	\$83,432.58
Refinish steel louver, 1st floor	5	2.00 Ea.	\$194.07	\$240.81	11.0000	11	11	\$2,648.93	\$2,648.93
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	5.20 S.F.	\$62.70	\$73.69	55.0000	55	55	\$4,053.08	\$4,053.08
Repair aluminum storefront door	12	2.00 Ea.	\$926.84	\$1,109.03	4.5833	4	4	\$4,436.12	\$4,436.12
Replace 3'-0" x 7'-0" aluminum storefront doors	50	2.00 Ea.	\$4,091.53	\$4,838.20	1.1000	1	1	\$4,838.20	\$4,838.20
Replace insulating glass - (3% of glass) aluminum storefront door	1	1.20 S.F.	\$62.27	\$72.84	55.0000	55	55	\$4,006.13	\$4,006.13
Repair steel, painted, door	14	4.00 Ea.	\$2,500.30	\$2,976.02	3.9286	3	3	\$8,928.07	\$8,928.07
Replace 3'-0" x 7'-0" steel, painted, door	45	4.00 Ea.	\$2,820.26	\$3,278.92	1.2222	1	1	\$3,278.92	\$3,278.92
Replace tempered glass - (3% of glass) steel painted door	1	1.89 S.F.	\$42.71	\$51.03	55.0000	55	55	\$2,806.74	\$2,806.74
Repair 12' x 12' steel roll-up door	10	2.00 Ea.	\$1,351.79	\$1,604.43	5.5000	5	5	\$8,022.17	\$8,022.17
Replace 12' x 12' steel roll-up door	35	2.00 Ea.	\$5,407.17	\$6,417.73	1.5714	1	1	\$6,417.73	\$6,417.73
Remove and replace electric bi-folding hangar door motor	15	2.00 Ea.	\$1,254.37	\$1,463.14	3.6667	3	3	\$4,389.43	\$4,389.43
Remove and replace electric bi-folding hangar door	20	2.00 Ea.	\$100,073.69	\$116,130.77	2.7500	2	2	\$232,261.55	\$232,261.55
Debris removal, by hand and visual inspection, metal panel roofing	1	10.60 M.S.F.	\$241.51	\$294.57	55.0000	55	55	\$16,201.43	\$16,201.43
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	266.00 S.F.	\$4,867.75	\$5,897.88	55.0000	55	55	\$324,383.25	\$324,383.25
Minor metal roof panel replacement, 2.5% of roof area	20	266.00 S.F.	\$3,039.74	\$3,610.17	2.7500	2	2	\$7,220.35	\$7,220.35
Total metal roof panel replacement	30	107.00 Sq.	\$90,430.69	\$107,108.74	1.8333	1	1	\$107,108.74	\$107,108.74
Replace aluminum downspout, 3" x 4", .024" thick	25	48.00 L.F.	\$380.05	\$460.11	2.2000	2	2	\$920.23	\$920.23
Replace galvanized smoke hatch single unit 4' x 4'	40	4.00 Ea.	\$8,779.15	\$10,069.70	1.3750	1	1	\$10,069.70	\$10,069.70
Repair steel painted interior door	14	8.00 Ea.	\$2,347.62	\$2,732.51	3.9286	3	3	\$8,197.54	\$8,197.54
Replace 3'-0" x 7'-0" steel painted interior door	60	8.00 Ea.	\$9,744.28	\$11,296.67	0.9167	0	0	\$0.00	\$0.00
Safety glass replacement, (3% of glass) steel painted interior door	1	5.60 S.F.	\$100.90	\$120.27	55.0000	55	55	\$6,614.98	\$6,614.98
Repair solid core wood door, interior	11	8.00 Ea.	\$2,347.62	\$2,732.51	5.0000	5	5	\$13,662.56	\$13,662.56
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	8.00 Ea.	\$346.92	\$426.00	13.7500	13	12	\$5,537.97	\$5,111.97
Replace 3'-0" x 7'-0" solid core wood door, interior	40	8.00 Ea.	\$3,915.42	\$4,526.48	1.3750	1	1	\$4,526.48	\$4,526.48
Replace brass lockset interior	30	16.00 Ea.	\$5,267.05	\$6,104.23	1.8333	1	1	\$6,104.23	\$6,104.23
Repair 5/8" drywall - (2% of walls)	20	64.60 S.F.	\$108.23	\$131.69	2.7500	2	2	\$263.37	\$263.37
Refinish drywall	4	3,200.00 S.F.	\$1,987.14	\$2,444.51	13.7500	13	13	\$31,778.66	\$31,778.66

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Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	0.80 C.S.F.	\$656.75	\$791.41	5.5000	5	5	\$3,957.04	\$3,957.04
Refinish concrete floor finished	25	65.30 C.S.F.	\$27,545.32	\$33,086.22	2.2000	2	2	\$66,172.44	\$66,172.44
Replace vinyl sheet flooring	18	236.00 S.Y.	\$21,550.55	\$25,799.67	3.0556	3	3	\$77,399.01	\$77,399.01
Replace rubber tile floor	18	22.40 S.Y.	\$4,346.17	\$5,128.85	3.0556	3	3	\$15,386.55	\$15,386.55
Replace acoustic tile ceiling, fire-rated	20	21.20 C.S.F.	\$11,113.65	\$13,099.18	2.7500	2	2	\$26,198.37	\$26,198.37
Replace flush valve diaphragm tankless water closet	10	10.00 Ea.	\$262.20	\$325.36	5.5000	5	5	\$1,626.79	\$1,626.79
Rebuild flush valve tankless water closet	20	10.00 Ea.	\$1,804.34	\$2,174.57	2.7500	2	2	\$4,349.14	\$4,349.14
Unplug clogged line tankless water closet	5	10.00 Ea.	\$2,183.95	\$2,731.27	11.0000	11	11	\$30,043.95	\$30,043.95
Replace flush valve diaphragm for a urinal	7	6.00 Ea.	\$157.32	\$195.22	7.8571	7	7	\$1,366.51	\$1,366.51
Rebuild flush valve for a urinal	20	6.00 Ea.	\$1,082.60	\$1,304.74	2.7500	2	2	\$2,609.49	\$2,609.49
Unplug line urinal	5	6.00 Ea.	\$870.43	\$1,088.57	11.0000	11	11	\$11,974.24	\$11,974.24
Replace washer in spud connection lavatory, vitreous china	7	10.00 Ea.	\$164.63	\$200.80	7.8571	7	7	\$1,405.60	\$1,405.60
Replace washer in faucet lavatory, vitreous china	2	10.00 Ea.	\$128.85	\$160.52	27.5000	27	27	\$4,333.99	\$4,333.99
Replace faucets lavatory, vitreous china	10	10.00 Ea.	\$1,817.26	\$2,187.55	5.5000	5	5	\$10,937.77	\$10,937.77
Clean out strainer and P trap lavatory, vitreous china	2	10.00 Ea.	\$348.69	\$436.08	27.5000	27	27	\$11,774.14	\$11,774.14
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$25.55	\$31.83	27.5000	27	27	\$859.46	\$859.46
Clean trap sink, iron enamel	3	2.00 Ea.	\$17.14	\$21.44	18.3333	18	18	\$385.87	\$385.87
Replace faucets sink, iron enamel	10	2.00 Ea.	\$363.45	\$437.51	5.5000	5	5	\$2,187.55	\$2,187.55
Unstop sink, iron enamel	2	2.00 Ea.	\$83.64	\$104.60	27.5000	27	27	\$2,824.33	\$2,824.33
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	2.00 Ea.	\$1,273.40	\$1,515.02	1.5714	1	1	\$1,515.02	\$1,515.02
Replace faucet washer sink, laboratory	2	2.00 Ea.	\$25.55	\$31.83	27.5000	27	27	\$859.46	\$859.46
Replace faucets sink, laboratory	10	2.00 Ea.	\$363.45	\$437.51	5.5000	5	5	\$2,187.55	\$2,187.55
Replace sink and fittings, polyethylene lab.	15	2.00 Ea.	\$4,500.78	\$5,247.56	3.6667	3	3	\$15,742.69	\$15,742.69
Refinish concrete steps	3	60.00 S.F.	\$96.69	\$119.41	18.3333	18	18	\$2,149.30	\$2,149.30
Maintenance and repair TV cable outlet	10	12.00 Ea.	\$615.52	\$768.70	5.5000	5	5	\$3,843.49	\$3,843.49
Repair smoke detector	10	10.00 Ea.	\$563.88	\$697.14	5.5000	5	4	\$3,485.70	\$2,788.56
Check operation smoke detector	1	10.00 Ea.	\$161.94	\$202.89	55.0000	55	55	\$11,158.96	\$11,158.96
Replace smoke detector	15	10.00 Ea.	\$2,842.37	\$3,394.62	3.6667	3	3	\$10,183.86	\$10,183.86
Repair heat detector	10	4.00 Ea.	\$245.51	\$301.54	5.5000	5	5	\$1,507.69	\$1,507.69
Check and repair manual pull station	10	6.00 Ea.	\$526.18	\$646.98	5.5000	5	4	\$3,234.91	\$2,587.93
Replace manual pull station	15	6.00 Ea.	\$1,220.81	\$1,469.65	3.6667	3	3	\$4,408.94	\$4,408.94
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	11.0000	11	11	\$2,005.02	\$2,005.02
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	110.0000	110	110	\$5,951.45	\$5,951.45
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.6667	3	3	\$7,175.76	\$7,175.76
Replace fire alarm bell, 6"	20	4.00 Ea.	\$779.85	\$941.10	2.7500	2	2	\$1,882.20	\$1,882.20
Replace EMS, Three Phase, 5 Meters	15	1.00 Ea.	\$15,802.46	\$18,399.79	3.6667	3	3	\$55,199.37	\$55,199.37

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Replace EMS, Mech, BTU, 3 Meters, 3 Duct Sensors, 3 Space Sensors	20	1.00 Ea.	\$17,137.72	\$20,030.68	2.7500	2	2	\$40,061.35	\$40,061.35
Maintenance and repair building structure ground	7	1.60 M.L.F.	\$140.62	\$175.66	7.8571	7	7	\$1,229.62	\$1,229.62
Replace building structure ground	50	1.60 M.L.F.	\$6,939.88	\$8,509.78	1.1000	1	1	\$8,509.78	\$8,509.78
Maintenance and repair of general wiring lightning protection system	1	1.60 M.L.F.	\$154.76	\$191.72	55.0000	55	55	\$10,544.73	\$10,544.73
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	2.2000	2	2	\$2,242.32	\$2,242.32
Maintenance and repair computer ground system	4	1.00 Ea.	\$21.59	\$27.05	13.7500	13	13	\$351.68	\$351.68
Replace computer ground system	50	0.80 M.L.F.	\$1,492.65	\$1,823.08	1.1000	1	1	\$1,823.08	\$1,823.08
Maintenance and inspection generator, diesel, 750 KW	0.08	1.00 Ea.	\$64.78	\$81.16	687.5000	687	687	\$55,754.24	\$55,754.24
Replace diesel generator component, 750 KW	25	1.00 Ea.	\$227,966.93	\$261,102.57	2.2000	2	2	\$522,205.15	\$522,205.15
Replace lamp emergency lighting fixture	2	6.00 Ea.	\$328.14	\$395.25	27.5000	27	27	\$10,671.86	\$10,671.86
Replace emergency lighting fixture	20	6.00 Ea.	\$3,614.21	\$4,258.57	2.7500	2	2	\$8,517.14	\$8,517.14
Maintenance and repair exit light	20	6.00 Ea.	\$223.21	\$276.02	2.7500	2	2	\$552.04	\$552.04
Replace lamp exit light	5	6.00 Ea.	\$101.08	\$119.78	11.0000	11	11	\$1,317.59	\$1,317.59
Maintenance and repair voice/data outlet	10	4.00 Ea.	\$205.17	\$256.23	5.5000	5	5	\$1,281.16	\$1,281.16
Remove and replace hydraulic dock leveler lift cylinder	15	1.00 Ea.	\$8,493.80	\$9,670.61	3.6667	3	3	\$29,011.82	\$29,011.82
Remove and replace hydraulic dock leveler hydraulic pump	20	1.00 Ea.	\$1,741.46	\$1,993.26	2.7500	2	2	\$3,986.51	\$3,986.51
Replace water heater, gas / oil, 70 gallon	12	2.00 Ea.	\$6,630.33	\$7,694.81	4.5833	4	4	\$30,779.24	\$30,779.24
Unclog main drain pipe & fittings, cast iron	10	4.00 Ea.	\$184.67	\$230.95	5.5000	5	5	\$1,154.73	\$1,154.73
Unclog floor drain, PVC	20	4.00 Ea.	\$191.18	\$239.10	2.7500	2	2	\$478.19	\$478.19
Replace pipe, 4" pipe and fittings, PVC	30	26.00 L.F.	\$2,121.31	\$2,609.99	1.8333	1	1	\$2,609.99	\$2,609.99
Clean out bucket floor drain with bucket	5	1.00 Ea.	\$294.38	\$368.15	11.0000	11	11	\$4,049.69	\$4,049.69
General maintenance & repair drain: roof, scupper, area	1	6.00 Ea.	\$221.93	\$277.54	55.0000	55	55	\$15,264.81	\$15,264.81
Replace drain: roof, scupper, area	40	6.00 Ea.	\$4,721.59	\$5,474.16	1.3750	1	1	\$5,474.16	\$5,474.16
Replace 10' of buried 4" diam steel pipe/M.L.F. natural gas	12	1.00 Ea.	\$930.64	\$1,130.78	4.5833	4	4	\$4,523.14	\$4,523.14
Repair boiler, gas, 250 MBH	7	1.00 Ea.	\$2,031.05	\$2,390.45	7.8571	7	7	\$16,733.15	\$16,733.15
Replace boiler, gas, 250 MBH	30	1.00 Ea.	\$9,398.04	\$11,210.13	1.8333	1	1	\$11,210.13	\$11,210.13
Replace metal flue, all fuel SS, 10" diameter metal flue / chimney	15	2.00 L.F.	\$290.03	\$336.60	3.6667	3	3	\$1,009.79	\$1,009.79
Repair fan coil unit, 5 ton	10	4.00 Ea.	\$2,124.92	\$2,528.36	5.5000	5	4	\$12,641.79	\$10,113.43
Replace fan coil unit, 5 ton	15	4.00 Ea.	\$10,491.57	\$12,167.96	3.6667	3	3	\$36,503.88	\$36,503.88
Repair fan, induced draft, 2000 CFM	10	2.00 Ea.	\$605.49	\$739.06	5.5000	5	5	\$3,695.30	\$3,695.30
Check / minor repairs drinking fountain	1	3.00 Ea.	\$146.65	\$183.40	55.0000	55	55	\$10,086.88	\$10,086.88
Correct water pressure drinking fountain	2	3.00 Ea.	\$125.46	\$156.91	27.5000	27	27	\$4,236.49	\$4,236.49
Replace refrigerant drinking fountain	2	3.00 Ea.	\$98.05	\$114.81	27.5000	27	27	\$3,099.81	\$3,099.81

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Repair drain leak drinking fountain	4	3.00 Ea.	\$101.75	\$121.60	13.7500	13	13	\$1,580.85	\$1,580.85
Inspect and clean shower head emergency shower station	3	2.00 Ea.	\$98.79	\$123.54	18.3333	18	18	\$2,223.76	\$2,223.76
Replace shower emergency shower station	25	2.00 Ea.	\$1,883.93	\$2,258.23	2.2000	2	2	\$4,516.46	\$4,516.46
Inspect and clean spray heads, emergency eye wash	3	2.00 Ea.	\$98.79	\$123.54	18.3333	18	18	\$2,223.76	\$2,223.76
Replace eye wash station, emergency eye wash	25	2.00 Ea.	\$2,228.68	\$2,649.99	2.2000	2	2	\$5,299.99	\$5,299.99
Replace pipe and fittings, copper 3/4"	20	136.00 L.F.	\$3,543.33	\$4,268.03	2.7500	2	2	\$8,536.07	\$8,536.07
Replace threaded steel pipe and fittings, 3/4"	75	28.00 L.F.	\$548.93	\$674.87	0.7333	0	0	\$0.00	\$0.00
Overhaul water heater, gas / oil, 70 gallon	5	2.00 Ea.	\$327.40	\$409.45	11.0000	11	11	\$4,503.98	\$4,503.98
Clean & service water heater, gas / oil, 70 gallon	1	2.00 Ea.	\$393.23	\$491.78	55.0000	55	55	\$27,047.77	\$27,047.77
Replace fan, induced draft, 2000 CFM	20	2.00 Ea.	\$8,284.47	\$9,551.14	2.7500	2	2	\$19,102.28	\$19,102.28
Replace axial flow fan, 6400 CFM exhaust fan	10	2.00 Ea.	\$6,274.28	\$7,335.88	5.5000	5	5	\$36,679.39	\$36,679.39
Repair circulator pump, 1/12 - 3/4 H.P.	5	2.00 Ea.	\$196.27	\$231.46	11.0000	11	11	\$2,546.09	\$2,546.09
Refill expansion tank	5	2.00 Ea.	\$29.66	\$37.09	11.0000	11	11	\$407.96	\$407.96
Replace expansion tank, 24 gal capacity	50	2.00 Ea.	\$3,689.54	\$4,226.67	1.1000	1	1	\$4,226.67	\$4,226.67
Repair damaged pipe insulation, fiberglass 1-1/4"	5	24.00 Ea.	\$500.68	\$615.88	11.0000	11	11	\$6,774.63	\$6,774.63
Maintenance and repair explosionproof industrial heater	2	2.00 Ea.	\$405.39	\$473.69	27.5000	27	27	\$12,789.57	\$12,789.57
Maintenance and inspection explosionproof industrial heater	0.5	2.00 Ea.	\$157.70	\$197.57	110.0000	110	110	\$21,732.65	\$21,732.65
Repair computer room air conditioner, air cooled, 5 ton	10	1.00 Ea.	\$4,277.08	\$5,096.24	5.5000	5	5	\$25,481.19	\$25,481.19
Replace computer room air conditioner, air cooled, 5 ton	20	1.00 Ea.	\$38,211.35	\$43,798.01	2.7500	2	2	\$87,596.02	\$87,596.02
Repair multi - zone rooftop unit, 25 ton	10	2.00 Ea.	\$94,869.79	\$109,340.84	5.5000	5	4	\$546,704.18	\$437,363.35
Replace multi-zone rooftop unit, 25 ton	15	2.00 Ea.	\$198,911.71	\$229,448.80	3.6667	3	3	\$688,346.41	\$688,346.41
Repair central station A.H.U., 1300 CFM	10	2.00 Ea.	\$996.98	\$1,189.14	5.5000	5	4	\$5,945.72	\$4,756.58
Replace central station A.H.U., 1300 CFM	15	2.00 Ea.	\$19,067.20	\$22,066.88	3.6667	3	3	\$66,200.63	\$66,200.63
Rebuild 4" diameter reduced pressure backflow preventer	10	2.00 Ea.	\$1,329.34	\$1,559.57	5.5000	5	5	\$7,797.83	\$7,797.83
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	55.0000	55	55	\$2,361.08	\$2,361.08
Replace sprinkler head	20	60.00 Ea.	\$5,131.37	\$6,311.37	2.7500	2	2	\$12,622.74	\$12,622.74
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$710.41	\$851.09	55.0000	55	55	\$46,810.15	\$46,810.15
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$44,139.08	\$50,910.34	2.2000	2	2	\$101,820.68	\$101,820.68
Repair 15 KV primary transformer, dry	15	1.00 Ea.	\$257.71	\$311.64	3.6667	3	3	\$934.92	\$934.92
Maintenance and inspection primary transformer, dry	0.5	1.00 Ea.	\$40.64	\$50.92	110.0000	110	110	\$5,601.36	\$5,601.36

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Maintenance and inspection lighting panel, indoor	3	3.00 Ea.	\$121.93	\$152.76	18.3333	18	18	\$2,749.76	\$2,749.76	
Replace load center, 100 A	20	3.00 Ea.	\$3,282.49	\$4,010.63	2.7500	2	2	\$8,021.26	\$8,021.26	
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	6.00 Ea.	\$430.58	\$539.45	2.7500	2	2	\$1,078.90	\$1,078.90	
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	24.00 Ea.	\$1,722.30	\$2,157.80	2.2000	2	2	\$4,315.59	\$4,315.59	
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	24.00 Ea.	\$1,722.30	\$2,157.80	2.2000	2	2	\$4,315.59	\$4,315.59	
Maintenance and repair safety switch general, 2 pole	8	6.00 Ea.	\$243.87	\$305.53	6.8750	6	6	\$1,833.17	\$1,833.17	
Maintenance and inspection safety switch, 2 pole	1	6.00 Ea.	\$243.87	\$305.53	55.0000	55	55	\$16,804.09	\$16,804.09	
Replace 4-pin receptacle	20	86.00 Ea.	\$12,577.55	\$14,951.17	2.7500	2	2	\$29,902.34	\$29,902.34	
Maintenance and repair contactors and relays	3	8.00 Ea.	\$2,026.43	\$2,498.66	18.3333	18	18	\$44,975.81	\$44,975.81	
Replace wiring devices, switches	15	22.00 Ea.	\$1,438.31	\$1,786.88	3.6667	3	3	\$5,360.64	\$5,360.64	
Replace fluorescent light fixture ballast, 80 W	10	24.00 Ea.	\$2,992.04	\$3,629.69	5.5000	5	5	\$18,148.47	\$18,148.47	
Replace lamps (2 lamps), 4', 34 W energy saver	10	24.00 Ea.	\$605.14	\$757.89	5.5000	5	5	\$3,789.47	\$3,789.47	
Replace metal halide ballast, 175 W	10	46.00 Ea.	\$6,830.29	\$8,201.85	5.5000	5	3	\$41,009.23	\$24,605.54	
Replace metal halide fixture lamp, 175 W	5	46.00 Ea.	\$2,299.41	\$2,813.07	11.0000	11	11	\$30,943.75	\$30,943.75	
Replace metal halide fixture, 175 W	20	46.00 Ea.	\$35,809.59	\$42,068.72	2.7500	2	2	\$84,137.43	\$84,137.43	
			\$1,194,683.44	\$1,391,732.27				MR Subtotal	\$4,114,345.88	
									MR Per Year	\$74,762.83
									PM Total	\$12,500.40
									Subtotal	\$87,263.23
									Total Per Unit	\$8.18

FAC 3151 WEAPONS RDTE FACILITY

SUC \$8.18

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 10664.0

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
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	2.00	8.14	\$81.92	\$337.62	\$0.00	\$419.54	\$529.02	\$642.60
Urinals, annualized	6.00	1.37	\$37.91	\$68.72	\$0.00	\$106.63	\$131.04	\$157.34
Toilet (vacuum breaker type), annualized	10.00	1.77	\$84.42	\$88.98	\$0.00	\$173.40	\$208.54	\$247.89
Lavatories, annualized	10.00	3.48	\$59.65	\$207.04	\$0.00	\$266.68	\$334.76	\$405.82
Drink fountain, annualized	3.00	1.86	\$62.18	\$93.83	\$0.00	\$156.00	\$190.37	\$227.84
Water heater, gas, to 120 gal., annualized	2.00	3.44	\$117.28	\$173.56	\$0.00	\$290.83	\$354.63	\$424.29
Air filter, electrostatic, annualized	2.00	15.20	\$20.32	\$766.47	\$0.00	\$786.79	\$1,018.76	\$1,251.75
VAV Boxes, annually	4.00	1.87	\$19.25	\$112.77	\$0.00	\$132.02	\$167.77	\$204.49
Fire dampers, annualized	2.00	2.31	\$18.30	\$139.20	\$0.00	\$157.50	\$201.09	\$245.59
Fan, axial, up to 5,000 CFM, annualized	2.00	2.49	\$23.46	\$125.10	\$0.00	\$148.56	\$188.43	\$229.48
Hood and blower, annually	4.00	5.70	\$169.85	\$285.44	\$0.00	\$455.29	\$557.91	\$669.02
Package unit, air cooled, 25 thru 50 ton, annualized	2.00	6.50	\$353.85	\$391.16	\$0.00	\$745.01	\$897.75	\$1,068.17
Package unit, computer room, annualized	1.00	4.34	\$148.62	\$260.78	\$0.00	\$409.39	\$502.49	\$603.01
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Dehumidifier, desiccant wheel, annualized	1.00	5.06	\$73.30	\$253.73	\$0.00	\$327.03	\$410.47	\$497.59
Backflow prevention device, up to 4", annually	2.00	0.67	\$26.79	\$39.65	\$0.00	\$66.44	\$81.01	\$96.92
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
Transformer, dry type 500 KVA and over, annually	1.00	0.77	\$15.16	\$50.76	\$0.00	\$65.92	\$82.66	\$100.17
Panelboard, 225 A and above, annualized	3.00	1.32	\$69.59	\$87.02	\$0.00	\$156.62	\$189.68	\$226.23
Motor control center, over 400 A, annually	2.00	0.78	\$46.39	\$51.80	\$0.00	\$98.19	\$118.37	\$140.87
Power stabilizer, annually	1.00	0.62	\$9.28	\$36.78	\$0.00	\$46.06	\$58.02	\$70.44
Uninterrupted power system, up to 200 KVA, annually	1.00	3.01	\$196.92	\$178.19	\$0.00	\$375.11	\$448.26	\$531.26
Light, emergency, hardwired system, annualized	6.00	1.50	\$46.39	\$88.58	\$0.00	\$134.97	\$166.19	\$199.72
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$171.90	\$102.86	\$0.00	\$274.76	\$322.80	\$379.44
Crane, electric bridge, 5 to 15 ton, annually	1.00	3.09	\$178.78	\$108.24	\$0.00	\$287.01	\$337.36	\$396.65
Hoist, pneumatic, annualized	1.00	1.31	\$153.56	\$46.05	\$0.00	\$199.61	\$228.78	\$265.63
Emergency diesel or gas generator, over 15 KVA, annualized	1.00	16.15	\$86.09	\$953.12	\$0.00	\$1,039.21	\$1,333.75	\$1,632.60
						\$8,352.74	\$10,364.85	\$12,500.40

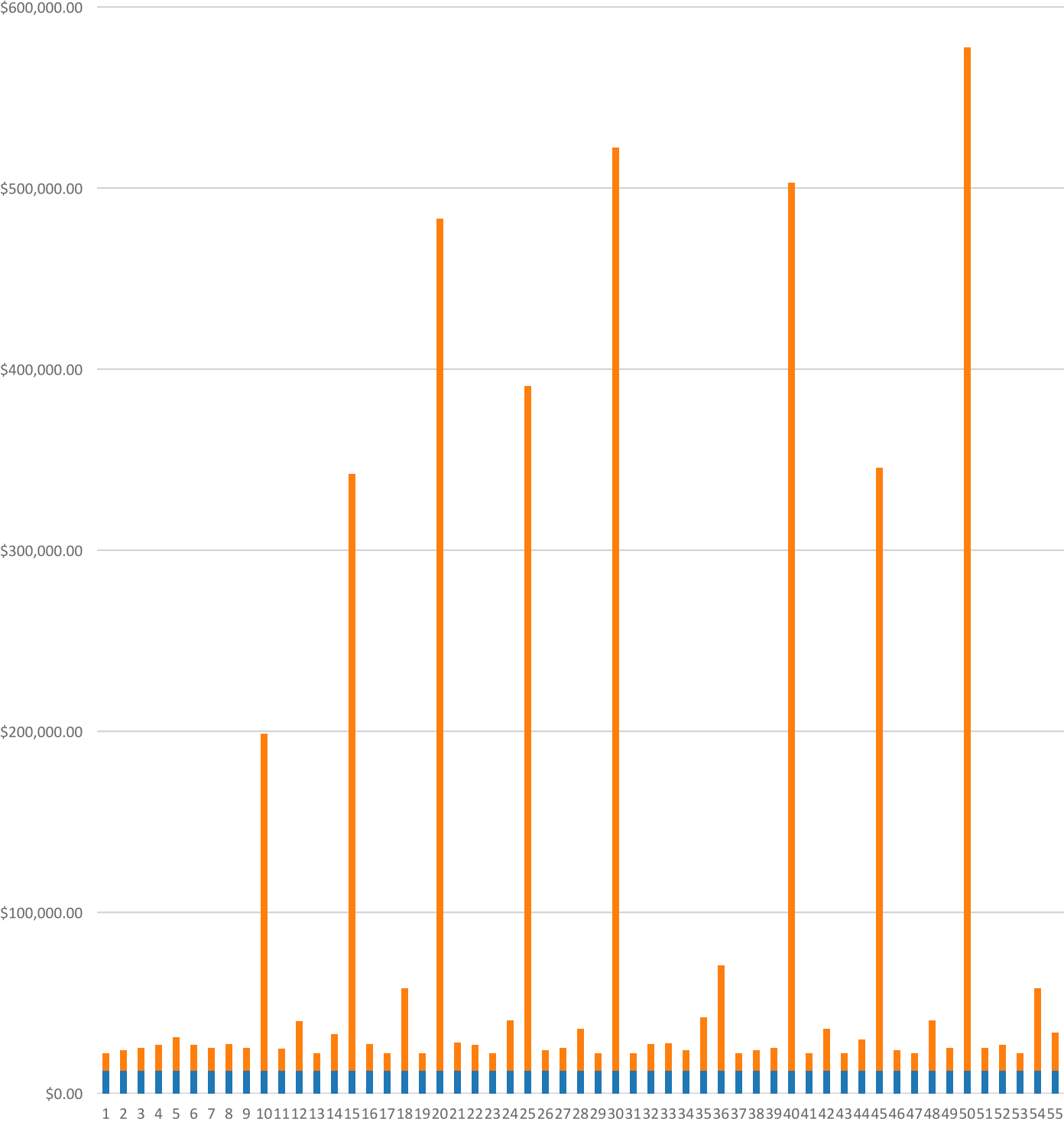
FAC 3151 WEAPONS RDTE FACILITY

Modeled Component List

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B20 Exterior Enclosure	
Glazed Aluminum	2.0 Ea.
Steel, Painted	4.0 Ea.
Steel Single, Roll-Up	2.0 Ea.
Electric Bifolding Hangar Door Motor	2.0 Ea.
B30 Roofing	
Metal Steep Roofing	107.0 Sq.
C10 Interior Construction	
Steel Painted Interior Doors	8.0 Ea.
Solid Core Interior Doors	8.0 Ea.
Lockset, Brass	16.0 Ea.
C30 Interior Finishes	
Concrete, Finished	65.3 C.S.F.
Vinyl Sheet	236.0 S.Y.
Rubber Tile	22.4 S.Y.
Acoustic Tile, fire-rated	21.2 C.S.F.
D20 Plumbing	
Sink, Iron Enamel	2.0 Ea.
Water Heater, Gas / Oil, 70 Gallon	2.0 Ea.
Drain: Roof, Scupper, Area	6.0 Ea.
Emergency Shower Station	2.0 Ea.
Emergency Eye Wash	2.0 Ea.
D50 Electrical	
Smoke Detector	10.0 Ea.
Manual Pull Station	6.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	4.0 Ea.
Building Structure Ground	1.6 M.L.F.
Lightning Ground Rod	4.0 Ea.
Computer Ground System	0.8 M.L.F.
Generator, Diesel, 750 KW	1.0 Ea.
Emergency Lighting Fixture	6.0 Ea.
Load Center, 100 A, maintenance & inspection	3.0 Ea.
Load Center, 100 A, replacement	3.0 Ea.
Metal Halide Fixture	46.0 Ea.
D30 HVAC	
Boiler, Gas, 250 MBH	1.0 Ea.
Fan Coil, 5 ton	4.0 Ea.
Exhaust Fan, axial flow, 6400 CFM	2.0 Ea.
Computer Room A/C Units, Air Cooled, 5 ton	1.0 Ea.
Rooftop Unit, Multi-Zone, 25 ton	2.0 Ea.
Central Station Air Conditioning Air Handling Unit, 1300 CFM	2.0 Ea.
D40 Fire Protection	
Backflow Preventer	2.0 Ea.
Sprinkler System, Fire Supression, sprinkler head	60.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
E10 Equipment	
Crane, Electric, up to 5 ton, annualized	1.0 Each
Hoist, pneumatic, annualized	1.0 Each

FAC 3151 WEAPONS RDTE FACILITY
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost