

FAC 4211 AMMUNITION STORAGE, DEPOT AND ARSENAL

FY22 SUC: \$3.06 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 4211 AMMUNITION STORAGE, DEPOT AND ARSENAL

Release 2021 Qtr 3

Zip Code Prefix 222

Type MR

UM SF

Design Life 55

Average Size 2714.0

SUC \$3.06

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
Minor repairs to concrete floor unfinished	15	920.00 S.F.	\$36,237.36	\$43,951.85	3.6667	3	3	\$131,855.55	\$131,855.55
Replace steel decking	30	160.00 S.F.	\$1,175.90	\$1,360.19	1.8333	1	1	\$1,360.19	\$1,360.19
Repair aluminum sliding door	12	2.00 Ea.	\$776.30	\$940.23	4.5833	4	4	\$3,760.91	\$3,760.91
Replace 3'-0" x 7'-0" aluminum sliding door	50	2.00 Ea.	\$3,841.82	\$4,405.10	1.1000	1	1	\$4,405.10	\$4,405.10
Repair steel, painted, door	14	1.00 Ea.	\$625.07	\$744.01	3.9286	3	3	\$2,232.02	\$2,232.02
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.00 Ea.	\$41.40	\$50.87	13.7500	13	13	\$661.26	\$661.26
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$705.06	\$819.73	1.2222	1	1	\$819.73	\$819.73
Replace 3'-0" x 7'-0" steel sliding unpainted exterior door	45	2.00 Ea.	\$1,841.44	\$2,133.50	1.2222	1	1	\$2,133.50	\$2,133.50
Total EPDM roof replacement	25	27.00 Sq.	\$16,320.29	\$19,358.84	2.2000	2	2	\$38,717.69	\$38,717.69
Replace fan & motor, propeller exhaust, 1000 CFM exhaust fan	15	2.00 Ea.	\$1,708.75	\$2,014.11	3.6667	3	3	\$6,042.32	\$6,042.32
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	2.00 Ea.	\$7,879.67	\$9,146.83	2.7500	2	2	\$18,293.66	\$18,293.66
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	18.3333	18	18	\$916.59	\$916.59
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	2.00 Ea.	\$143.53	\$179.82	2.7500	2	2	\$359.63	\$359.63
Maintenance and repair safety switch general, 2 pole	8	1.00 Ea.	\$40.64	\$50.92	6.8750	6	6	\$305.53	\$305.53
Maintenance and inspection safety switch, 2 pole	1	4.00 Ea.	\$162.58	\$203.69	55.0000	55	55	\$11,202.72	\$11,202.72
Replace safety switch, 240 V, 2 pole	25	4.00 Ea.	\$1,566.42	\$1,909.44	2.2000	2	2	\$3,818.87	\$3,818.87
Replace incandescent lighting fixture lamp for explosion proof fixture	5	16.00 Ea.	\$310.90	\$379.62	11.0000	11	11	\$4,175.87	\$4,175.87
Replace incan. lighting fixture, explosion proof, ceiling mtd., 200 W	20	16.00 Ea.	\$36,001.98	\$41,353.26	2.7500	2	2	\$82,706.51	\$82,706.51
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	55.0000	55	55	\$6,590.46	\$6,590.46
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$11,009.12	\$13,095.99	2.2000	2	2	\$26,191.98	\$26,191.98
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	2.2000	2	2	\$2,242.32	\$2,242.32
Replace emergency lighting fixture	20	2.00 Ea.	\$1,204.74	\$1,419.52	2.7500	2	2	\$2,839.05	\$2,839.05
			\$122,634.69	\$144,809.41					
								MR Subtotal	\$351,631.47
								MR Per Year	\$6,393.30
								PM Total	\$1,907.41
								Subtotal	\$8,300.71
								Total Per Unit	\$3.06

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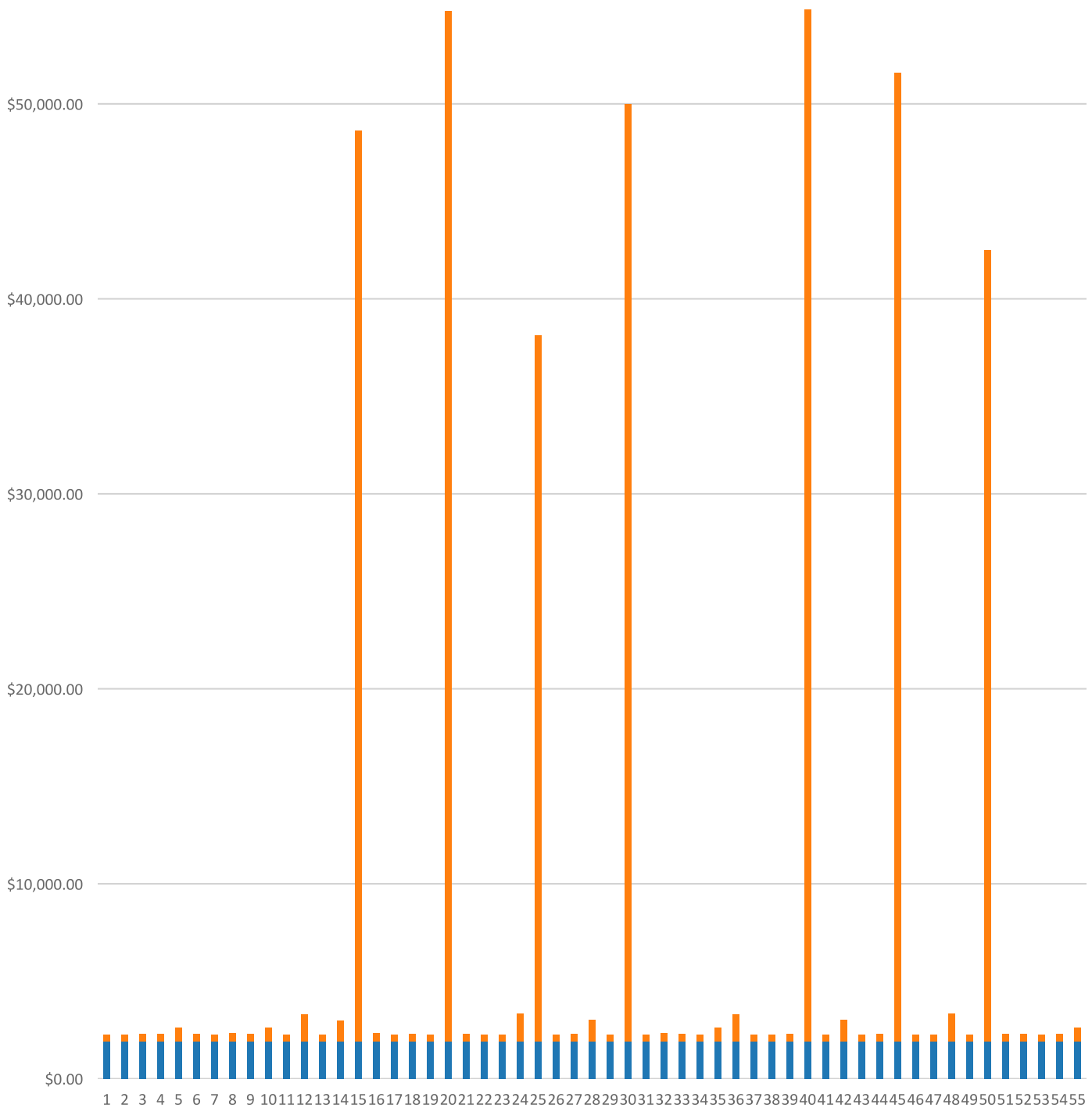
Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	2.00	0.52	\$29.18	\$21.50	\$0.00	\$50.68	\$60.05	\$70.88
Fan, axial, up to 5,000 CFM, annualized	2.00	2.49	\$23.46	\$125.10	\$0.00	\$148.56	\$188.43	\$229.48
Fan, centrifugal, up to 5,000 CFM, annualized	2.00	2.16	\$71.78	\$108.36	\$0.00	\$180.14	\$219.83	\$263.11
Panelboard, 225 A and above, annualized	1.00	0.44	\$23.20	\$29.01	\$0.00	\$52.21	\$63.23	\$75.41
Fire alarm annunciator system, annualized	1.00	11.05	\$179.39	\$652.68	\$0.00	\$832.07	\$1,045.82	\$1,268.53
						\$1,263.66	\$1,577.36	\$1,907.41

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Modeled Component List CostWorks Release 2021 Qtr 3

B10 Superstructure	
Steel Decking	160.0 S.F.
B20 Exterior Enclosure	
Aluminum Doors, Sliding	2.0 Ea.
Steel, Painted	1.0 Ea.
Steel, Unpainted, sliding door	2.0 Ea.
B30 Roofing	
EPDM Roof	27.0 Sq.
D30 HVAC	
Exhaust Fan, propeller exh., 4700 CFM	2.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	2.0 Ea.
D50 Electrical	
Load Center, 100 A, maintenance & inspection	1.0 Ea.
Safety Switch, General Duty, 240 V, 2 pole	4.0 Ea.
Explosion-Proof Fixture	16.0 Ea.
Lightning Protection System	1.0 M.L.F.
Lightning Ground Rod	4.0 Ea.
Emergency Lighting Fixture	2.0 Ea.

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Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost