

FAC 4221 AMMUNITION STORAGE, INSTALLATION

FY24 SUC: \$3.25 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 4221 AMMUNITION STORAGE, INSTALLATION

SUC \$3.25

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 2341.106112

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	640.00 S.F.	\$24,405.65	\$29,783.62	3.6667	3	3	\$89,350.87	\$89,350.87
Replace unfinished concrete floor	75	20.80 C.S.F.	\$11,964.10	\$14,235.67	0.7333	0	0	\$0.00	\$0.00
Repair metal stairs	15	62.00 S.F.	\$4,474.38	\$5,173.65	3.6667	3	3	\$15,520.95	\$15,520.95
Waterproof concrete block wall, 1st floor	10	12.00 C.S.F.	\$3,101.72	\$3,679.34	5.5000	5	5	\$18,396.69	\$18,396.69
Repair steel, painted, door	14	4.00 Ea.	\$2,809.34	\$3,336.77	3.9286	3	3	\$10,010.31	\$10,010.31
Refinish 3'-0" x 7'-0" steel, painted, door	4	4.00 Ea.	\$184.22	\$225.58	13.7500	13	13	\$2,932.60	\$2,932.60
Replace 3'-0" x 7'-0" steel, painted, door	45	4.00 Ea.	\$3,668.44	\$4,247.70	1.2222	1	1	\$4,247.70	\$4,247.70
Repair failed breaker, enclosed, 600 V, 3 pole	4	1.00 Ea.	\$1,083.33	\$1,251.96	13.7500	13	13	\$16,275.49	\$16,275.49
Maintenance and inspection circuit breaker, enclosed, 600 V, 3 pole	0.33	1.00 Ea.	\$34.13	\$42.76	166.6667	166	166	\$7,097.77	\$7,097.77
Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker	50	1.00 Ea.	\$1,029.72	\$1,215.29	1.1000	1	1	\$1,215.29	\$1,215.29
Maintenance and repair receptacles and plugs	20	3.00 Ea.	\$132.13	\$164.95	2.7500	2	2	\$329.89	\$329.89
Replace receptacle/plug receptacles and plugs	20	3.00 Ea.	\$224.49	\$276.80	2.7500	2	2	\$553.60	\$553.60
Maintenance and repair wiring devices, switches	10	3.00 Ea.	\$132.13	\$164.95	5.5000	5	5	\$824.73	\$824.73
Replace wiring devices, switches	15	3.00 Ea.	\$200.04	\$249.02	3.6667	3	3	\$747.06	\$747.06
Replace fluoresent light fixture ballast, 80 W	10	14.00 Ea.	\$1,464.49	\$1,805.87	5.5000	5	3	\$9,029.36	\$5,417.61
Replace lamps (2 lamps), 4', 34 W energy saver	10	14.00 Ea.	\$370.80	\$464.37	5.5000	5	5	\$2,321.83	\$2,321.83
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	14.00 Ea.	\$3,466.74	\$4,219.27	2.7500	2	2	\$8,438.55	\$8,438.55
Maintenance and repair special ground system	4	1.00 Ea.	\$22.69	\$28.43	13.7500	13	13	\$369.54	\$369.54
Replace special ground system	50	0.02 M.L.F.	\$48.51	\$58.46	1.1000	1	1	\$58.46	\$58.46
Maintenance and repair voice/data outlet	10	1.00 Ea.	\$54.32	\$67.84	5.5000	5	5	\$339.21	\$339.21
Repair heat detector	10	4.00 Ea.	\$250.41	\$308.21	5.5000	5	5	\$1,541.04	\$1,541.04
Check operation heat detector	1	4.00 Ea.	\$68.00	\$85.20	55.0000	55	55	\$4,685.92	\$4,685.92
Replace heat detector	15	4.00 Ea.	\$708.43	\$867.30	3.6667	3	3	\$2,601.91	\$2,601.91
Refinish steel louver, 1st floor	5	2.00 Ea.	\$211.56	\$262.03	11.0000	11	11	\$2,882.28	\$2,882.28
Replace steel louver, 1st floor	40	2.00 Ea.	\$1,208.29	\$1,414.00	1.3750	1	1	\$1,414.00	\$1,414.00
Recaulk expansion and control joints	20	44.00 L.F.	\$521.17	\$642.67	2.7500	2	2	\$1,285.35	\$1,285.35
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	1.00 Ea.	\$4,297.06	\$4,984.96	2.7500	2	2	\$9,969.92	\$9,969.92
Repair fan, induced draft, 2000 CFM	10	1.00 Ea.	\$319.19	\$389.67	5.5000	5	5	\$1,948.36	\$1,948.36
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$42.34	\$53.05	18.3333	18	18	\$954.92	\$954.92
Replace load center, 100 A	20	1.00 Ea.	\$1,181.03	\$1,440.53	2.7500	2	2	\$2,881.07	\$2,881.07
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	1.00 Ea.	\$75.84	\$95.02	2.7500	2	2	\$190.03	\$190.03

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 inspection circuit breaker, molded case, 480 V, 1 pole	0.5	1.00 Ea.	\$34.13	\$42.76	110.0000	110	110	\$4,703.34	\$4,703.34	
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	4.00 Ea.	\$303.36	\$380.07	2.2000	2	2	\$760.14	\$760.14	
Maintenance and inspection circuit breaker, enclosed, 240 V, 2 pole	1	4.00 Ea.	\$136.51	\$171.03	55.0000	55	55	\$9,406.68	\$9,406.68	
Check and repair manual pull station	10	2.00 Ea.	\$179.77	\$221.49	5.5000	5	4	\$1,107.47	\$885.97	
Replace manual pull station	15	2.00 Ea.	\$417.52	\$503.53	3.6667	3	3	\$1,510.58	\$1,510.58	
			\$68,825.97	\$82,553.81				MR Subtotal	\$232,069.65	
									MR Per Year	\$4,219.45
									PM Total	\$3,397.96
									Subtotal	\$7,617.41
									Total Per Unit	\$3.25

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UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 2341.106112

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	1.00	0.26	\$16.76	\$11.48	\$0.00	\$28.25	\$33.37	\$39.33
Fan, axial, 5,000 to 10,000 CFM, annually	1.00	0.65	\$22.26	\$34.44	\$0.00	\$56.71	\$69.27	\$82.94
Extinguishing system, foam bottle, annualized	1.00	3.71	\$20.75	\$197.94	\$0.00	\$218.69	\$280.15	\$342.64
Switchboard, with air circuit breaker, annualized	1.00	13.32	\$15.98	\$927.90	\$0.00	\$943.88	\$1,223.85	\$1,504.62
Circuit breaker, high voltage air, annualized	1.00	0.47	\$13.83	\$32.48	\$0.00	\$46.31	\$57.43	\$69.25
Fire alarm annunciator system, annualized	1.00	11.05	\$163.44	\$695.92	\$0.00	\$859.36	\$1,084.48	\$1,317.78
Light, emergency, hardwired system, annually	2.00	0.25	\$12.93	\$15.77	\$0.00	\$28.71	\$34.73	\$41.40
						\$2,181.90	\$2,783.28	\$3,397.96

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Modeled Component List

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B20 Exterior Enclosure	
Steel, Painted	4.0 Ea.
Steel Louver, 1st floor	2.0 Ea.
D50 Electrical	
Circuit Breaker, enclosed, 600 V, 3 pole	1.0 Ea.
Fluorescent Lighting Fixture	14.0 Ea.
Special Ground System	0.02 M.L.F.
Heat Detector	4.0 Ea.
Load Center, 100 A, maintenance & inspection	1.0 Ea.
Load Center, 100 A, replacement	1.0 Ea.
Manual Pull Station	2.0 Ea.
D30 HVAC	
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	1.0 Ea.

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Sustainment by Year
CostWorks Release 2023 Qtr 4

