

FAC 4222 AMMUNITION STORAGE SHED, INSTALLATION

FY24 SUC: \$0.51 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 4222 AMMUNITION STORAGE SHED, INSTALLATION

SUC \$0.51

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 50
Average Size 7252.189

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
Replace manual pull station	15	1.00 Ea.	\$208.76	\$251.76	3.3333	3	3	\$755.29	\$755.29
Repair smoke detector	10	4.00 Ea.	\$232.04	\$287.33	5.0000	5	4	\$1,436.65	\$1,149.32
Check operation smoke detector	1	4.00 Ea.	\$68.00	\$85.20	50.0000	50	50	\$4,259.93	\$4,259.93
Replace smoke detector	15	4.00 Ea.	\$1,210.21	\$1,444.87	3.3333	3	3	\$4,334.62	\$4,334.62
Replace metal halide ballast, 400 W	10	10.00 Ea.	\$1,918.96	\$2,291.40	5.0000	5	5	\$11,457.02	\$11,457.02
Replace metal halide fixture lamp, 400 W	5	10.00 Ea.	\$648.79	\$783.49	10.0000	10	10	\$7,834.93	\$7,834.93
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$109.50	\$134.89	50.0000	50	50	\$6,744.34	\$6,744.34
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$12,548.36	\$14,875.43	2.0000	2	2	\$29,750.85	\$29,750.85
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$92.28	\$115.32	50.0000	50	48	\$5,766.08	\$5,535.43
Replace lightning ground rod	25	4.00 Ea.	\$982.42	\$1,214.69	2.0000	2	2	\$2,429.37	\$2,429.37
Repair 12' x 12' aluminum single roll-up door	10	1.00 Ea.	\$1,040.38	\$1,210.84	5.0000	5	5	\$6,054.19	\$6,054.19
Replace 12' x 12' aluminum single roll-up door	35	1.00 Ea.	\$4,008.79	\$4,647.33	1.4286	1	1	\$4,647.33	\$4,647.33
Replace aluminum siding, 1st floor	35	24.00 C.S.F.	\$14,871.58	\$17,912.52	1.4286	1	1	\$17,912.52	\$17,912.52
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	20.00 S.F.	\$262.98	\$308.81	50.0000	50	50	\$15,440.50	\$15,440.50
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	3.00 Ea.	\$468.94	\$558.81	2.5000	2	2	\$1,117.63	\$1,117.63
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	3.00 Ea.	\$2,032.62	\$2,385.91	1.0000	1	1	\$2,385.91	\$2,385.91
Repair steel, painted, door	14	1.00 Ea.	\$702.33	\$834.19	3.5714	3	3	\$2,502.58	\$2,502.58
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.00 Ea.	\$46.05	\$56.40	12.5000	12	12	\$676.75	\$676.75
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$917.11	\$1,061.93	1.1111	1	1	\$1,061.93	\$1,061.93
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	65.00 S.F.	\$300.43	\$357.04	10.0000	10	10	\$3,570.42	\$3,570.42
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	1.00 S.F.	\$25.31	\$30.25	50.0000	50	50	\$1,512.32	\$1,512.32
Minor metal roof panel replacement, 2.5% of roof area	20	85.00 S.F.	\$1,094.63	\$1,297.63	2.5000	2	2	\$2,595.25	\$2,595.25
Total metal roof panel replacement	30	38.00 Sq.	\$33,627.65	\$39,865.12	1.6667	1	1	\$39,865.12	\$39,865.12
Repair steel painted interior door	14	1.00 Ea.	\$278.99	\$325.68	3.5714	3	3	\$977.05	\$977.05
Refinish 3'-0" x 7'-0" steel painted interior door	4	1.00 Ea.	\$57.65	\$70.88	12.5000	12	12	\$850.53	\$850.53
Replace 3'-0" x 7'-0" steel painted interior door	60	1.00 Ea.	\$1,279.55	\$1,483.92	0.8333	0	0	\$0.00	\$0.00
Check and repair manual pull station	10	1.00 Ea.	\$89.88	\$110.75	5.0000	5	4	\$553.73	\$442.99
			\$79,124.20	\$94,002.38				MR Subtotal	\$175,864.12
								MR Per Year	\$3,517.28

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								PM Total	\$151.58
								Subtotal	\$3,668.86
								Total Per Unit	\$0.51

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Release 2023 Qtr 4 UM SF
Zip Code Prefix 222 Design Life 50
Type PM Average Size 7252.189

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	\$33.53	\$22.97	\$0.00	\$56.49	\$66.74	\$78.66
Light, emergency, hardwired system, annualized	2.00	0.50	\$17.96	\$31.55	\$0.00	\$49.51	\$60.77	\$72.93
						\$106.00	\$127.51	\$151.58

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Modeled Component List CostWorks Release 2023 Qtr 4

D50 Electrical

Manual Pull Station	1.0 Ea.
Smoke Detector	4.0 Ea.
Lightning Protection System	1.0 M.L.F.
Lightning Ground Rod	4.0 Ea.

B20 Exterior Enclosure

Aluminum Single, Roll-Up	1.0 Ea.
Aluminum Siding, 1st floor	24.0 C.S.F.
Aluminum Window, Fixed, 1st floor	3.0 Ea.
Steel, Painted	1.0 Ea.

B30 Roofing

Metal Steep Roofing	38.0 Sq.
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C10 Interior Construction

Steel Painted Interior Doors	1.0 Ea.
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Sustainment by Year
CostWorks Release 2023 Qtr 4

