

**FAC 4222 AMMUNITION STORAGE SHED, INSTALLATION**

FY22 SUC:	\$0.47 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 4222 AMMUNITION STORAGE SHED, INSTALLATION

SUC \$0.47

Release 2021 Qtr 3  
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.	\$203.47	\$244.94	3.3333	3	3	\$734.82	\$734.82	
Repair smoke detector	10	4.00 Ea.	\$225.55	\$278.86	5.0000	5	4	\$1,394.28	\$1,115.43	
Check operation smoke detector	1	4.00 Ea.	\$64.78	\$81.16	50.0000	50	50	\$4,057.80	\$4,057.80	
Replace smoke detector	15	4.00 Ea.	\$1,136.95	\$1,357.85	3.3333	3	3	\$4,073.54	\$4,073.54	
Replace metal halide ballast, 400 W	10	10.00 Ea.	\$1,759.52	\$2,104.02	5.0000	5	5	\$10,520.09	\$10,520.09	
Replace metal halide fixture lamp, 400 W	5	10.00 Ea.	\$663.89	\$798.06	10.0000	10	10	\$7,980.64	\$7,980.64	
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	50.0000	50	50	\$5,991.33	\$5,991.33	
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$11,009.12	\$13,095.99	2.0000	2	2	\$26,191.98	\$26,191.98	
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$87.89	\$109.79	50.0000	50	48	\$5,489.36	\$5,269.78	
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	2.0000	2	2	\$2,242.32	\$2,242.32	
Repair 12' x 12' aluminum single roll-up door	10	1.00 Ea.	\$1,210.98	\$1,402.84	5.0000	5	5	\$7,014.22	\$7,014.22	
Replace 12' x 12' aluminum single roll-up door	35	1.00 Ea.	\$4,684.73	\$5,409.44	1.4286	1	1	\$5,409.44	\$5,409.44	
Replace aluminum siding, 1st floor	35	24.00 C.S.F.	\$14,024.30	\$16,888.15	1.4286	1	1	\$16,888.15	\$16,888.15	
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	20.00 S.F.	\$241.15	\$283.43	50.0000	50	50	\$14,171.61	\$14,171.61	
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	3.00 Ea.	\$434.21	\$517.83	2.5000	2	2	\$1,035.65	\$1,035.65	
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	3.00 Ea.	\$1,464.39	\$1,735.57	1.0000	1	1	\$1,735.57	\$1,735.57	
Repair steel, painted, door	14	1.00 Ea.	\$625.07	\$744.01	3.5714	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	12.5000	12	12	\$610.39	\$610.39	
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$705.06	\$819.73	1.1111	1	1	\$819.73	\$819.73	
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	65.00 S.F.	\$227.05	\$272.41	10.0000	10	10	\$2,724.13	\$2,724.13	
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	1.00 S.F.	\$18.30	\$22.17	50.0000	50	50	\$1,108.62	\$1,108.62	
Minor metal roof panel replacement, 2.5% of roof area	20	85.00 S.F.	\$971.35	\$1,153.63	2.5000	2	2	\$2,307.25	\$2,307.25	
Total metal roof panel replacement	30	38.00 Sq.	\$32,115.57	\$38,038.62	1.6667	1	1	\$38,038.62	\$38,038.62	
Repair steel painted interior door	14	1.00 Ea.	\$293.45	\$341.56	3.5714	3	3	\$1,024.69	\$1,024.69	
Refinish 3'-0" x 7'-0" steel painted interior door	4	1.00 Ea.	\$52.59	\$64.79	12.5000	12	12	\$777.44	\$777.44	
Replace 3'-0" x 7'-0" steel painted interior door	60	1.00 Ea.	\$1,218.03	\$1,412.08	0.8333	0	0	\$0.00	\$0.00	
Check and repair manual pull station	10	1.00 Ea.	\$87.70	\$107.83	5.0000	5	4	\$539.15	\$431.32	
			\$74,567.58	\$88,576.61				MR Subtotal	\$164,506.59	
									MR Per Year	\$3,290.13

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	\$137.45
								Subtotal	\$3,427.58
								Total Per Unit	\$0.47

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Release 2021 Qtr 3 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	\$29.18	\$21.50	\$0.00	\$50.68	\$60.05	\$70.88
Light, emergency, hardwired system, annualized	2.00	0.50	\$15.46	\$29.53	\$0.00	\$44.99	\$55.40	\$66.57
						\$95.67	\$115.45	\$137.45



# **FAC 4222 AMMUNITION STORAGE SHED, INSTALLATION**

## **Modeled Component List CostWorks Release 2021 Qtr 3**

### **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 2021 Qtr 3

