

FAC 4427 SMALL ARMS STORAGE, INSTALLATION

FY24 SUC:	\$3.82 / SF
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 4427 SMALL ARMS STORAGE, INSTALLATION

SUC \$3.82

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 2218.0

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
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$748.17	\$896.73	55.0000	55	55	\$49,320.09	\$49,320.09
Replace single zone rooftop unit, 7.5 ton	15	1.00 Ea.	\$12,094.07	\$14,301.01	3.6667	3	3	\$42,903.03	\$42,903.03
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	2.00 S.F.	\$50.61	\$60.49	55.0000	55	55	\$3,327.09	\$3,327.09
Repair single zone rooftop unit, 7.5 ton	10	1.00 Ea.	\$3,819.30	\$4,525.13	5.5000	5	5	\$22,625.67	\$22,625.67
Total metal roof panel replacement	30	22.00 Sq.	\$19,468.64	\$23,079.81	1.8333	1	1	\$23,079.81	\$23,079.81
Replace fluorescent light fixture ballast, 80 W	10	22.00 Ea.	\$2,301.34	\$2,837.80	5.5000	5	5	\$14,188.99	\$14,188.99
Replace fountain drinking fountain	10	2.00 Ea.	\$3,241.63	\$3,808.60	5.5000	5	5	\$19,043.01	\$19,043.01
Repair furnace, gas, 100 MBH residential	10	1.00 Ea.	\$4,712.66	\$5,466.54	5.5000	5	5	\$27,332.69	\$27,332.69
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
Unplug clogged line flush-tank water closet	5	3.00 Ea.	\$689.79	\$863.50	11.0000	11	11	\$9,498.45	\$9,498.45
Check / minor repairs drinking fountain	1	2.00 Ea.	\$103.05	\$129.00	55.0000	55	55	\$7,095.01	\$7,095.01
Replace furnace, gas, 100 MBH residential	15	1.00 Ea.	\$1,659.49	\$1,960.84	3.6667	3	3	\$5,882.51	\$5,882.51
General maintenance & repair drain: roof, scupper, area	1	2.00 Ea.	\$78.36	\$98.09	55.0000	55	55	\$5,395.16	\$5,395.16
Replace lamps (2 lamps), 4', 34 W energy saver	10	22.00 Ea.	\$582.69	\$729.72	5.5000	5	5	\$3,648.58	\$3,648.58
Clean out strainer and P trap lavatory, vitreous china	2	4.00 Ea.	\$147.27	\$184.36	27.5000	27	27	\$4,977.79	\$4,977.79
Replace smoke detector	15	4.00 Ea.	\$1,210.21	\$1,444.87	3.6667	3	3	\$4,334.62	\$4,334.62
Check operation smoke detector	1	4.00 Ea.	\$68.00	\$85.20	55.0000	55	55	\$4,685.92	\$4,685.92
Replace faucets lavatory, vitreous china	10	4.00 Ea.	\$781.89	\$940.49	5.5000	5	5	\$4,702.43	\$4,702.43
Unplug line urinal	5	2.00 Ea.	\$305.28	\$382.16	11.0000	11	11	\$4,203.79	\$4,203.79
Debris removal, by hand and visual inspection, metal panel roofing	1	2.22 M.S.F.	\$54.43	\$66.39	55.0000	55	55	\$3,651.51	\$3,651.51
Correct water pressure drinking fountain	2	2.00 Ea.	\$88.02	\$110.19	27.5000	27	27	\$2,975.07	\$2,975.07
Repair steel, painted, door	14	1.00 Ea.	\$702.33	\$834.19	3.9286	3	3	\$2,502.58	\$2,502.58
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	55.0000	55	55	\$2,490.64	\$2,490.64
Refinish 3'-0" x 7'-0" steel painted interior door	4	2.00 Ea.	\$115.30	\$141.75	13.7500	13	13	\$1,842.81	\$1,842.81
Replace refrigerant drinking fountain	2	2.00 Ea.	\$70.81	\$82.86	27.5000	27	27	\$2,237.20	\$2,237.20
Replace washer in faucet lavatory, vitreous china	2	4.00 Ea.	\$54.27	\$67.67	27.5000	27	27	\$1,827.06	\$1,827.06
Repair steel painted interior door	14	2.00 Ea.	\$557.98	\$651.36	3.9286	3	3	\$1,954.09	\$1,954.09
Repair internal leaks drinking fountain	4	2.00 Ea.	\$95.54	\$119.59	13.7500	13	13	\$1,554.72	\$1,554.72

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace drain: roof, scupper, area	40	2.00 Ea.	\$2,260.75	\$2,607.70	1.3750	1	1	\$2,607.70	\$2,607.70	
Minor metal roof panel replacement, 2.5% of roof area	20	56.00 S.F.	\$721.17	\$854.91	2.7500	2	2	\$1,709.81	\$1,709.81	
Repair smoke detector	10	4.00 Ea.	\$232.04	\$287.33	5.5000	5	4	\$1,436.65	\$1,149.32	
Replace sprinkler head	20	6.00 Ea.	\$525.89	\$648.91	2.7500	2	2	\$1,297.82	\$1,297.82	
Repair drain leak drinking fountain	4	2.00 Ea.	\$58.19	\$70.38	13.7500	13	11	\$914.92	\$774.17	
Replace valve and ball cock assembly flush-tank water closet	15	3.00 Ea.	\$291.89	\$360.81	3.6667	3	3	\$1,082.42	\$1,082.42	
Rebuild flush valve for a urinal	20	2.00 Ea.	\$383.76	\$462.54	2.7500	2	2	\$925.08	\$925.08	
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$42.34	\$53.05	18.3333	18	18	\$954.92	\$954.92	
Replace manual pull station	15	1.00 Ea.	\$208.76	\$251.76	3.6667	3	3	\$755.29	\$755.29	
Repair steel unpainted door steel	14	1.00 Ea.	\$278.99	\$325.68	3.9286	3	3	\$977.05	\$977.05	
Replace washer / diaphragm in ball cock flush-tank water closet	5	3.00 Ea.	\$58.91	\$72.68	11.0000	11	11	\$799.44	\$799.44	
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.00 Ea.	\$46.05	\$56.40	13.7500	13	13	\$733.15	\$733.15	
Replace washer in spud connection lavatory, vitreous china	7	4.00 Ea.	\$69.29	\$84.56	7.8571	7	7	\$591.94	\$591.94	
Check and repair manual pull station	10	1.00 Ea.	\$89.88	\$110.75	5.5000	5	4	\$553.73	\$442.99	
Replace fire alarm bell, 6"	20	1.00 Ea.	\$180.61	\$219.77	2.7500	2	2	\$439.54	\$439.54	
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$54.53	\$67.71	7.8571	7	7	\$473.98	\$473.98	
Install gasket between tank and bowl flush-tank water closet	20	3.00 Ea.	\$130.57	\$162.25	2.7500	2	2	\$324.49	\$324.49	
Unclog floor drain, PVC	20	1.00 Ea.	\$50.45	\$63.16	2.7500	2	2	\$126.31	\$126.31	
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	2.00 S.F.	\$9.24	\$10.99	11.0000	11	11	\$120.85	\$120.85	
			\$63,827.68	\$75,669.91				MR Subtotal	\$303,536.52	
									MR Per Year	\$5,518.85
									PM Total	\$2,954.99
									Subtotal	\$8,473.84
									Total Per Unit	\$3.82

FAC 4427 SMALL ARMS STORAGE, INSTALLATION

SUC \$3.82

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 2218.0

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
Urinals, annualized	2.00	0.46	\$13.26	\$24.33	\$0.00	\$37.59	\$46.21	\$55.50
Toilet (tank type), annualized	3.00	1.16	\$23.98	\$62.78	\$0.00	\$86.77	\$108.00	\$130.43
Lavatories, annualized	4.00	1.39	\$31.17	\$87.20	\$0.00	\$118.37	\$147.65	\$178.48
Drink fountain, annualized	1.00	0.62	\$37.44	\$33.14	\$0.00	\$70.58	\$84.27	\$99.82
Fan, axial, up to 5,000 CFM, annualized	1.00	1.24	\$8.30	\$66.71	\$0.00	\$75.01	\$95.85	\$117.11
Forced air heater, oil or gas fired, up to 120 MBH, annualized	1.00	5.63	\$48.58	\$357.52	\$0.00	\$406.10	\$518.21	\$632.75
Package unit, air cooled, 3 thru 24 ton, annualized	1.00	2.40	\$166.98	\$151.73	\$0.00	\$318.71	\$380.92	\$451.49
Backflow prevention device, up to 4", annualized	1.00	0.33	\$14.02	\$20.93	\$0.00	\$34.94	\$42.62	\$51.01
Extinguishing system, wet pipe, annualized	1.00	11.34	\$49.59	\$710.68	\$0.00	\$760.27	\$978.43	\$1,199.07
						\$1,936.57	\$2,435.53	\$2,954.99

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Modeled Component List

CostWorks Release 2023 Qtr 4

D40 Fire Protection

Sprinkler System, Fire Suppression, 3" backflow preventer	1.0 Ea.
Sprinkler System, Fire Suppression, sprinkler head	6.0 Ea.

D30 HVAC

Single Zone Air Conditioner, 7.5ton	1.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	1.0 Ea.
Residential Gas Furnace, 100 MBH	1.0 Ea.

B30 Roofing

Metal Steep Roofing	22.0 Sq.
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D20 Plumbing

Drinking Fountain	2.0 Ea.
Drain: Roof, Scupper, Area	2.0 Ea.

D50 Electrical

Smoke Detector	4.0 Ea.
Load Center, 100 A, maintenance & inspection	1.0 Ea.
Manual Pull Station	1.0 Ea.
Fire Alarm Bell	1.0 Ea.

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Sustainment by Year
CostWorks Release 2023 Qtr 4

