

FAC 1466 AIRCRAFT SHELTER

FY24 SUC:	\$1.15 / SF
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 1466 AIRCRAFT SHELTER

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 45
Average Size 13503.078726

SUC \$1.15

Adjusted Occurences 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 aluminum siding, 1st floor	35	21.35 C.S.F.	\$13,228.63	\$15,933.62	1.2857	1	1	\$15,933.62	\$15,933.62
Refinish aluminum siding, 1st floor	20	21.35 C.S.F.	\$4,459.11	\$5,469.96	2.2500	2	2	\$10,939.91	\$10,939.91
Replace aluminum siding, 2nd floor	35	21.35 C.S.F.	\$16,222.25	\$19,652.82	1.2857	1	1	\$19,652.82	\$19,652.82
Refinish aluminum siding, 2nd floor	20	21.35 C.S.F.	\$6,739.06	\$8,305.56	2.2500	2	2	\$16,611.12	\$16,611.12
Replace aluminum siding, 3rd floor	35	21.35 C.S.F.	\$18,031.58	\$21,900.69	1.2857	1	1	\$21,900.69	\$21,900.69
Refinish aluminum siding, 3rd floor	20	21.35 C.S.F.	\$8,538.49	\$10,543.52	2.2500	2	2	\$21,087.05	\$21,087.05
Refinish 12' x 24' steel double roll-up door	5	4.00 Ea.	\$1,846.39	\$2,251.89	9.0000	9	9	\$20,267.03	\$20,267.03
Replace 12' x 24' steel double roll-up door	35	4.00 Ea.	\$22,435.72	\$26,663.15	1.2857	1	1	\$26,663.15	\$26,663.15
Repair steel, painted, door	14	1.00 Ea.	\$702.33	\$834.19	3.2143	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	11.2500	11	11	\$620.36	\$620.36
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$917.11	\$1,061.93	1.0000	1	1	\$1,061.93	\$1,061.93
Debris removal, by hand and visual inspection, metal panel roofing	1	13.48 M.S.F.	\$330.74	\$403.41	45.0000	45	45	\$18,153.27	\$18,153.27
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	270.85 S.F.	\$1,251.90	\$1,487.78	9.0000	9	9	\$13,390.05	\$13,390.05
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	5.37 S.F.	\$135.82	\$162.33	45.0000	45	45	\$7,304.89	\$7,304.89
Minor metal roof panel replacement, 2.5% of roof area	20	338.60 S.F.	\$4,360.44	\$5,169.06	2.2500	2	2	\$10,338.13	\$10,338.13
Total metal roof panel replacement	30	135.49 Sq.	\$119,896.68	\$142,135.90	1.5000	1	1	\$142,135.90	\$142,135.90
Refinish concrete floor finished	25	110.30 C.S.F.	\$45,948.47	\$55,438.83	1.8000	1	1	\$55,438.83	\$55,438.83
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	45.0000	45	45	\$2,037.80	\$2,037.80
Replace sprinkler head	20	153.00 Ea.	\$13,410.12	\$16,547.24	2.2500	2	2	\$33,094.48	\$33,094.48
Replace fire alarm bell, 6"	20	2.00 Ea.	\$361.21	\$439.54	2.2500	2	2	\$879.09	\$879.09
Replace metal halide ballast, 175 W	10	95.41 Ea.	\$15,923.12	\$19,060.05	4.5000	4	2	\$76,240.21	\$38,120.11
Replace metal halide fixture, 175 W	20	95.41 Ea.	\$70,484.09	\$83,091.24	2.2500	2	2	\$166,182.48	\$166,182.48
Maintenance and repair receptacles and plugs	20	10.00 Ea.	\$440.43	\$549.82	2.2500	2	2	\$1,099.64	\$1,099.64
Replace receptacle/plug receptacles and plugs	20	10.00 Ea.	\$748.31	\$922.67	2.2500	2	2	\$1,845.35	\$1,845.35
Maintenance and repair wiring devices, switches	10	8.00 Ea.	\$352.35	\$439.85	4.5000	4	4	\$1,759.42	\$1,759.42
Replace wiring devices, switches	15	8.00 Ea.	\$533.45	\$664.05	3.0000	3	3	\$1,992.16	\$1,992.16
Check and repair manual pull station	10	2.00 Ea.	\$179.77	\$221.49	4.5000	4	3	\$885.97	\$664.48
Replace manual pull station	15	2.00 Ea.	\$417.52	\$503.53	3.0000	3	3	\$1,510.58	\$1,510.58

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Repair smoke detector	10	22.00 Ea.	\$1,276.22	\$1,580.32	4.5000	4	3	\$6,321.27	\$4,740.95	
Replace smoke detector	15	22.00 Ea.	\$6,656.15	\$7,946.81	3.0000	3	3	\$23,840.42	\$23,840.42	
			\$375,909.68	\$449,482.95				MR Subtotal	\$681,768.26	
									MR Per Year	\$15,150.41
									PM Total	\$371.45
									Subtotal	\$15,521.86
									Total Per Unit	\$1.15

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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	1.00	0.26	\$16.76	\$11.48	\$0.00	\$28.25	\$33.37	\$39.33
Door, overhead, manual, up to 24' high x 25' wide, annualized	2.00	4.39	\$17.02	\$194.27	\$0.00	\$211.30	\$271.28	\$332.12
						\$239.54	\$304.65	\$371.45

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Modeled Component List
CostWorks Release 2023 Qtr 4

B20 Exterior Enclosure

Aluminum Siding, 1st floor	21.34857964810448 C.S.F.
Aluminum Siding, 2nd floor	21.34857964810448 C.S.F.
Aluminum Siding, 3rd floor	21.34857964810448 C.S.F.
Steel Double, Roll-Up	4.0 Ea.
Steel, Painted	1.0 Ea.

B30 Roofing

Metal Steep Roofing	135.48595799020495 Sq.
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C30 Interior Finishes

Concrete, Finished	110.3 C.S.F.
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D40 Fire Protection

Sprinkler System, Fire Supression, sprinkler head	153.0 Ea.
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D50 Electrical

Fire Alarm Bell	2.0 Ea.
Metal Halide Fixture	95.41264647197534 Ea.
Manual Pull Station	2.0 Ea.
Smoke Detector	22.0 Ea.

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Sustainment by Year
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