

FAC 1465 AIRCRAFT SHELTER, HARDENED

FY22 SUC:	\$1.32 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 1465 AIRCRAFT SHELTER, HARDENED

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 40
Average Size 7492.0

SUC \$1.32

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	
Repair steel, painted, door	14	1.00 Ea.	\$625.07	\$744.01	2.8571	2	2	\$1,488.01	\$1,488.01	
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.00 Ea.	\$41.40	\$50.87	10.0000	10	10	\$508.66	\$508.66	
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$705.06	\$819.73	0.8889	0	0	\$0.00	\$0.00	
Refinish 12' x 24' steel double roll-up door	5	2.00 Ea.	\$815.72	\$999.15	8.0000	8	8	\$7,993.22	\$7,993.22	
Replace 12' x 24' steel double roll-up door	35	2.00 Ea.	\$10,814.33	\$12,835.47	1.1429	1	1	\$12,835.47	\$12,835.47	
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	150.00 S.F.	\$523.96	\$628.64	8.0000	8	8	\$5,029.16	\$5,029.16	
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	6.70 S.F.	\$122.61	\$148.56	40.0000	40	40	\$5,942.22	\$5,942.22	
Minor metal roof panel replacement, 2.5% of roof area	20	187.00 S.F.	\$2,136.96	\$2,537.98	2.0000	2	2	\$5,075.96	\$5,075.96	
Total metal roof panel replacement	30	75.00 Sq.	\$63,386.00	\$75,076.22	1.3333	1	1	\$75,076.22	\$75,076.22	
Maintenance and repair explosionproof industrial heater	2	4.00 Ea.	\$810.77	\$947.38	20.0000	20	19	\$18,947.51	\$18,000.14	
Replace heater explosionproof industrial heater	15	4.00 Ea.	\$18,174.12	\$20,800.38	2.6667	2	2	\$41,600.76	\$41,600.76	
Inspect sprinkler system	1	20.00 Ea.	\$686.52	\$858.57	40.0000	40	40	\$34,342.93	\$34,342.93	
Replace sprinkler head	20	20.00 Ea.	\$1,710.46	\$2,103.79	2.0000	2	2	\$4,207.58	\$4,207.58	
Replace metal halide ballast, 1000 W	10	8.00 Ea.	\$2,078.64	\$2,455.21	4.0000	4	4	\$9,820.83	\$9,820.83	
Replace metal halide fixture lamp, 1000 W	5	8.00 Ea.	\$752.30	\$903.42	8.0000	8	8	\$7,227.32	\$7,227.32	
Repair smoke detector	10	15.00 Ea.	\$845.81	\$1,045.71	4.0000	4	3	\$4,182.84	\$3,137.13	
Check operation smoke detector	1	15.00 Ea.	\$242.91	\$304.34	40.0000	40	40	\$12,173.41	\$12,173.41	
Replace smoke detector	15	15.00 Ea.	\$4,263.56	\$5,091.93	2.6667	2	2	\$10,183.86	\$10,183.86	
Check and repair manual pull station	10	4.00 Ea.	\$350.79	\$431.32	4.0000	4	3	\$1,725.28	\$1,293.96	
Replace manual pull station	15	4.00 Ea.	\$813.87	\$979.76	2.6667	2	2	\$1,959.53	\$1,959.53	
Replace fire alarm bell, 6"	20	2.00 Ea.	\$389.92	\$470.55	2.0000	2	2	\$941.10	\$941.10	
			\$110,290.80	\$130,232.98				MR Subtotal	\$258,837.49	
									MR Per Year	\$6,470.94
									PM Total	\$3,387.50
									Subtotal	\$9,858.44
									Total Per Unit	\$1.32

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	2.00	8.14	\$81.92	\$337.62	\$0.00	\$419.54	\$529.02	\$642.60
Backflow prevention device, up to 4", annualized	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Extinguishing system, deluge / preaction, annualized	1.00	11.59	\$68.24	\$691.59	\$0.00	\$759.83	\$974.13	\$1,191.84
Extinguishing system, FM200, annualized	1.00	9.26	\$611.65	\$462.52	\$0.00	\$1,074.18	\$1,274.10	\$1,504.61
						\$2,286.77	\$2,817.76	\$3,387.50

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Modeled Component List

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B20 Exterior Enclosure	
Steel, Painted	1.0 Ea.
Steel Double, Roll-Up	2.0 Ea.
B30 Roofing	
Metal Steep Roofing	75.0 Sq.
D30 HVAC	
Explosionproof Industrial Heater	4.0 Ea.
D40 Fire Protection	
Sprinkler System, Fire Suppression, sprinkler head	20.0 Ea.
Extinguishing system, FM200	1.0 Each
D50 Electrical	
Smoke Detector	15.0 Ea.
Manual Pull Station	4.0 Ea.
Fire Alarm Bell	2.0 Ea.

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Sustainment by Year
CostWorks Release 2021 Qtr 3

