

FAC 2185 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHED

FY22 SUC:	\$0.70 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2185 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHED SUC \$0.70

Release 2021 Qtr 3 UM SF

Zip Code Prefix 222 Design Life 50

Type MR Average Size 6394.0

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	
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	
Replace fan & motor, propeller exhaust, 4700 CFM exhaust fan	15	2.00 Ea.	\$4,079.71	\$4,751.29	3.3333	3	3	\$14,253.87	\$14,253.87	
Replace metal halide ballast, 400 W	10	16.00 Ea.	\$2,815.23	\$3,366.43	5.0000	5	5	\$16,832.15	\$16,832.15	
Replace metal halide fixture lamp, 400 W	5	16.00 Ea.	\$1,062.22	\$1,276.90	10.0000	10	10	\$12,769.02	\$12,769.02	
Repair smoke detector	10	6.00 Ea.	\$338.33	\$418.28	5.0000	5	4	\$2,091.42	\$1,673.14	
Check operation smoke detector	1	6.00 Ea.	\$97.17	\$121.73	50.0000	50	50	\$6,086.71	\$6,086.71	
Replace smoke detector	15	6.00 Ea.	\$1,705.42	\$2,036.77	3.3333	3	3	\$6,110.31	\$6,110.31	
Check and repair manual pull station	10	1.00 Ea.	\$87.70	\$107.83	5.0000	5	4	\$539.15	\$431.32	
Replace manual pull station	15	1.00 Ea.	\$203.47	\$244.94	3.3333	3	3	\$734.82	\$734.82	
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	
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	0.10 S.F.	\$1.21	\$1.42	50.0000	50	50	\$70.86	\$70.86	
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	6.00 Ea.	\$868.42	\$1,035.65	2.5000	2	2	\$2,071.31	\$2,071.31	
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	6.00 Ea.	\$2,928.79	\$3,471.15	1.0000	1	1	\$3,471.15	\$3,471.15	
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	
Repair 12' x 24' aluminum double roll-up door	10	1.00 Ea.	\$2,421.95	\$2,805.69	5.0000	5	5	\$14,028.44	\$14,028.44	
Replace 12' x 24' aluminum double roll-up door	35	1.00 Ea.	\$9,687.81	\$11,222.75	1.4286	1	1	\$11,222.75	\$11,222.75	
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	128.00 S.F.	\$447.12	\$536.44	10.0000	10	10	\$5,364.43	\$5,364.43	
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	5.00 S.F.	\$91.50	\$110.86	50.0000	50	50	\$5,543.12	\$5,543.12	
Minor metal roof panel replacement, 2.5% of roof area	20	160.00 S.F.	\$1,828.42	\$2,171.53	2.5000	2	2	\$4,343.07	\$4,343.07	
Total metal roof panel replacement	30	64.00 Sq.	\$54,089.38	\$64,065.04	1.6667	1	1	\$64,065.04	\$64,065.04	
Repair steel painted interior door	14	1.00 Ea.	\$293.45	\$341.56	3.5714	3	3	\$1,024.69	\$1,024.69	
			\$97,787.54	\$115,624.52				MR Subtotal	\$214,231.18	
									MR Per Year	\$4,284.62

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	\$204.02
								Subtotal	\$4,488.64
								Total Per Unit	\$0.70

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Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 50

Type PM

Average Size 6394.0

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	4.00	1.00	\$30.93	\$59.05	\$0.00	\$89.98	\$110.79	\$133.15
						\$140.66	\$170.84	\$204.02

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Modeled Component List CostWorks Release 2021 Qtr 3

C10 Interior Construction		
Steel Painted Interior Doors	1.0 Ea.	
D30 HVAC		
Exhaust Fan, propeller exh., 4700 CFM	2.0 Ea.	
D50 Electrical		
Smoke Detector	6.0 Ea.	
Manual Pull Station	1.0 Ea.	
Lightning Protection System	1.0 M.L.F.	
Lightning Ground Rod	4.0 Ea.	
B20 Exterior Enclosure		
Aluminum Window, Fixed, 1st floor	6.0 Ea.	
Steel, Painted	1.0 Ea.	
Aluminum Double, Roll-Up	1.0 Ea.	
B30 Roofing		
Metal Steep Roofing	64.0 Sq.	

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Sustainment by Year
CostWorks Release 2021 Qtr 3

