

**FAC 7445 BOATHOUSE**

FY22 SUC:	\$1.21 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 7445 BOATHOUSE

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 31  
Average Size 3094.0

SUC \$1.21

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
Repair 12' x 24' aluminum double roll-up door	10	1.00 Ea.	\$2,421.95	\$2,805.69	3.1000	3	3	\$8,417.06	\$8,417.06
Refinish 12' x 24' aluminum double roll-up door	5	1.00 Ea.	\$407.86	\$499.58	6.2000	6	6	\$2,997.46	\$2,997.46
Replace 12' x 24' aluminum double roll-up door	35	1.00 Ea.	\$9,687.81	\$11,222.75	0.8857	0	0	\$0.00	\$0.00
Debris removal, by hand and visual inspection, metal panel roofing	1	3.10 M.S.F.	\$70.63	\$86.15	31.0000	31	31	\$2,670.60	\$2,670.60
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	42.00 S.F.	\$146.71	\$176.02	6.2000	6	6	\$1,056.12	\$1,056.12
Minor metal roof panel replacement, 2.5% of roof area	20	74.00 S.F.	\$845.64	\$1,004.33	1.5500	1	1	\$1,004.33	\$1,004.33
Total metal roof panel replacement	30	31.00 Sq.	\$26,199.55	\$31,031.50	1.0333	1	1	\$31,031.50	\$31,031.50
Replace metal halide ballast, 175 W	10	8.00 Ea.	\$1,187.88	\$1,426.41	3.1000	3	2	\$4,279.22	\$2,852.82
Replace metal halide fixture lamp, 175 W	5	8.00 Ea.	\$399.90	\$489.23	6.2000	6	6	\$2,935.38	\$2,935.38
Replace metal halide fixture, 175 W	20	8.00 Ea.	\$6,227.76	\$7,316.30	1.5500	1	1	\$7,316.30	\$7,316.30
Repair smoke detector	10	2.00 Ea.	\$112.78	\$139.43	3.1000	3	2	\$418.28	\$278.86
Check operation smoke detector	1	2.00 Ea.	\$32.39	\$40.58	31.0000	31	31	\$1,257.92	\$1,257.92
Replace smoke detector	15	2.00 Ea.	\$568.47	\$678.92	2.0667	2	2	\$1,357.85	\$1,357.85
Check and repair manual pull station	10	1.00 Ea.	\$87.70	\$107.83	3.1000	3	2	\$323.49	\$215.66
Replace manual pull station	15	1.00 Ea.	\$203.47	\$244.94	2.0667	2	2	\$489.88	\$489.88
Replace aluminum siding, 1st floor	35	35.80 C.S.F.	\$20,919.57	\$25,191.49	0.8857	0	0	\$0.00	\$0.00
Replace aluminum siding, 2nd floor	35	38.60 C.S.F.	\$27,635.36	\$33,469.69	0.8857	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	1.00 Ea.	\$625.07	\$744.01	2.2143	2	2	\$1,488.01	\$1,488.01
Refinish 3'-0" x 7'-0" steel, painted, door	4	2.00 Ea.	\$82.80	\$101.73	7.7500	7	7	\$712.13	\$712.13
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,410.13	\$1,639.46	0.6889	0	0	\$0.00	\$0.00
			\$99,273.42	\$118,416.03					
								MR Subtotal	\$66,081.87
								MR Per Year	\$2,131.67
								PM Total	\$1,624.12
								Subtotal	\$3,755.79
								Total Per Unit	\$1.21

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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	\$14.59	\$10.75	\$0.00	\$25.34	\$30.03	\$35.44
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
Security, intrusion alarm system, annualized	1.00	3.83	\$162.90	\$226.88	\$0.00	\$389.78	\$474.14	\$566.64
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$171.90	\$102.86	\$0.00	\$274.76	\$322.80	\$379.44
						\$1,109.42	\$1,355.99	\$1,624.12



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

**B20 Exterior Enclosure**

Aluminum Double, Roll-Up	1.0 Ea.
Aluminum Siding, 1st floor	35.8 C.S.F.
Aluminum Siding, 2nd floor	38.6 C.S.F.
Steel, Painted	2.0 Ea.

**B30 Roofing**

Metal Steep Roofing	31.0 Sq.
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**D50 Electrical**

Metal Halide Fixture	8.0 Ea.
Smoke Detector	2.0 Ea.
Manual Pull Station	1.0 Ea.

**E10 Equipment**

Crane, Electric, up to 5 ton, annualized	1.0 Each
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Sustainment by Year  
CostWorks Release 2021 Qtr 3

