

FAC 4426 STORAGE SILO, LOOSE MATERIAL

FY22 SUC:	\$1.02 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 4426 STORAGE SILO, LOOSE MATERIAL

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 36
Average Size 2167.0

SUC \$1.02

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	
Point and refinish painted concrete block wall, 1st floor	25	13.50 C.S.F.	\$6,341.99	\$7,827.37	1.4400	1	1	\$7,827.37	\$7,827.37	
Repair steel, painted, door	14	1.80 Ea.	\$1,125.13	\$1,339.21	2.5714	2	2	\$2,678.42	\$2,678.42	
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.80 Ea.	\$74.52	\$91.56	9.0000	9	9	\$824.03	\$824.03	
Replace 3'-0" x 7'-0" steel, painted, door	45	1.80 Ea.	\$1,269.11	\$1,475.52	0.8000	0	0	\$0.00	\$0.00	
Repair 12' x 12' steel roll-up door	10	0.90 Ea.	\$608.31	\$722.00	3.6000	3	3	\$2,165.99	\$2,165.99	
Refinish 12' x 12' steel roll-up door	5	0.90 Ea.	\$183.10	\$224.27	7.2000	7	7	\$1,569.89	\$1,569.89	
Debris removal and visual inspection, corrugated fiberglass panel roof	5	1.98 M.S.F.	\$45.11	\$55.02	7.2000	7	7	\$385.17	\$385.17	
Minor fiberglass roof panel replacement, 25% of roof area, corrugated	15	487.80 S.F.	\$5,349.58	\$6,402.82	2.4000	2	2	\$12,805.64	\$12,805.64	
Total roof replacement fiberglass rigid, corrugated fiberglass panel roof	20	19.80 Sq.	\$16,832.89	\$20,038.14	1.8000	1	1	\$20,038.14	\$20,038.14	
Replace roof hatch and structure single unit	40	2.00 Ea.	\$2,533.43	\$2,927.20	0.9000	0	0	\$0.00	\$0.00	
Replace galvanized roof hatch and structure single unit	40	2.00 Ea.	\$2,776.90	\$3,203.87	0.9000	0	0	\$0.00	\$0.00	
Repair 8" concrete block wall - (2% of walls) painted	25	0.18 C.S.F.	\$196.14	\$235.50	1.4400	1	1	\$235.50	\$235.50	
Repair smoke detector	10	4.50 Ea.	\$253.74	\$313.71	3.6000	3	2	\$941.14	\$627.43	
Check operation smoke detector	1	5.00 Ea.	\$80.97	\$101.45	36.0000	36	36	\$3,652.02	\$3,652.02	
Replace smoke detector	15	4.50 Ea.	\$1,279.07	\$1,527.58	2.4000	2	2	\$3,055.16	\$3,055.16	
Check and repair manual pull station	10	0.90 Ea.	\$78.93	\$97.05	3.6000	3	2	\$291.14	\$194.09	
Replace manual pull station	15	0.90 Ea.	\$183.12	\$220.45	2.4000	2	2	\$440.89	\$440.89	
Replace fire alarm bell, 6"	20	0.90 Ea.	\$175.47	\$211.75	1.8000	1	1	\$211.75	\$211.75	
Replace metal halide fixture lamp, 400 W	5	4.00 Ea.	\$265.55	\$319.23	7.2000	7	7	\$2,234.58	\$2,234.58	
Replace metal halide fixture, 400 W	20	3.60 Ea.	\$3,066.54	\$3,639.80	1.8000	1	1	\$3,639.80	\$3,639.80	
			\$42,719.61	\$50,973.48				MR Subtotal	\$62,585.87	
									MR Per Year	\$1,738.50
									PM Total	\$471.48
									Subtotal	\$2,209.98
									Total Per Unit	\$1.02

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Release 2021 Qtr 3UM SF

Zip Code Prefix 222Design Life 36

Type PMAverage Size 2167.0

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	\$14.59	\$10.75	\$0.00	\$25.34	\$30.03	\$35.44
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	1.00	4.07	\$40.96	\$168.81	\$0.00	\$209.77	\$264.51	\$321.30
Fan, axial, up to 5,000 CFM, annualized	1.00	1.24	\$11.73	\$62.55	\$0.00	\$74.28	\$94.22	\$114.74
						\$309.39	\$388.75	\$471.48

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Modeled Component List

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B20 Exterior Enclosure		
Steel, Painted		1.8 Ea.
B30 Roofing		
Fiberglass Rigid, Steep Roofing		19.8 Sq.
Aluminum Roof Hatch		2.0 Ea.
Galvanized Roof Hatch		2.0 Ea.
D50 Electrical		
Smoke Detector		4.5 Ea.
Manual Pull Station		0.9 Ea.
Fire Alarm Bell		0.9 Ea.
Fixture 400 W		3.6 Ea.

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Sustainment by Year
CostWorks Release 2021 Qtr 3

