

FAC 2213 AIRCRAFT PRODUCTION STRUCTURE

FY22 SUC: \$3.48 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 2213 AIRCRAFT PRODUCTION STRUCTURE

SUC \$3.48

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 820.0

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
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	1.00 Ea.	\$11.95	\$14.94	55.0000	55	55	\$821.89	\$821.89
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$632.43	\$747.09	2.7500	2	2	\$1,494.18	\$1,494.18
Replace roof mounted exhaust fan, 2000 CFM exhaust fan	20	2.00 Ea.	\$5,341.44	\$6,214.50	2.7500	2	2	\$12,429.01	\$12,429.01
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	55.0000	55	55	\$2,361.08	\$2,361.08
Replace sprinkler head	20	4.00 Ea.	\$342.09	\$420.76	2.7500	2	2	\$841.52	\$841.52
Rebuild reduced pressure 3" backflow preventer sprinkler system	1	0.50 Ea.	\$355.21	\$425.55	55.0000	55	55	\$23,405.08	\$23,405.08
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$232.44	\$278.27	5.5000	5	5	\$1,391.33	\$1,391.33
Replace transformer 15 KVA	30	1.00 Ea.	\$3,370.89	\$4,008.55	1.8333	1	1	\$4,008.55	\$4,008.55
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	18.3333	18	18	\$916.59	\$916.59
Replace load center, 100 A	20	1.00 Ea.	\$1,094.16	\$1,336.88	2.7500	2	2	\$2,673.75	\$2,673.75
Maintenance and repair breaker, molded case, 480 V, 3 pole	20	6.00 Ea.	\$430.58	\$539.45	2.7500	2	2	\$1,078.90	\$1,078.90
Maintenance and repair breaker, enclosed, 240 V, 3 pole	25	6.00 Ea.	\$430.58	\$539.45	2.2000	2	2	\$1,078.90	\$1,078.90
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	1.00 Ea.	\$40.64	\$50.92	6.8750	6	6	\$305.53	\$305.53
Maintenance and repair safety switch general, 2 pole	8	1.00 Ea.	\$40.64	\$50.92	6.8750	6	6	\$305.53	\$305.53
Replace metal halide ballast, 175 W	10	4.00 Ea.	\$593.94	\$713.20	5.5000	5	3	\$3,566.02	\$2,139.61
Replace metal halide fixture, 175 W	20	4.00 Ea.	\$3,113.88	\$3,658.15	2.7500	2	2	\$7,316.30	\$7,316.30
Repair smoke detector	10	4.00 Ea.	\$225.55	\$278.86	5.5000	5	5	\$1,394.28	\$1,394.28
Check operation smoke detector	1	4.00 Ea.	\$64.78	\$81.16	55.0000	55	55	\$4,463.59	\$4,463.59
Repair heat detector	10	4.00 Ea.	\$245.51	\$301.54	5.5000	5	5	\$1,507.69	\$1,507.69
Check operation heat detector	1	4.00 Ea.	\$64.78	\$81.16	55.0000	55	55	\$4,463.59	\$4,463.59
Replace fire alarm bell, 6"	20	2.00 Ea.	\$389.92	\$470.55	2.7500	2	2	\$941.10	\$941.10
Minor repairs to concrete floor unfinished	15	82.00 S.F.	\$3,229.85	\$3,917.45	3.6667	3	3	\$11,752.34	\$11,752.34
Repair 8" concrete block wall, 1st floor	25	9.40 S.F.	\$227.62	\$278.46	2.2000	2	2	\$556.92	\$556.92
Waterproof concrete block wall, 1st floor	10	9.40 C.S.F.	\$2,133.82	\$2,538.08	5.5000	5	5	\$12,690.39	\$12,690.39
Repair steel, painted, door	14	3.00 Ea.	\$1,875.22	\$2,232.02	3.9286	3	3	\$6,696.05	\$6,696.05
Replace 3'-0" x 7'-0" steel, painted, door	45	3.00 Ea.	\$2,115.19	\$2,459.19	1.2222	1	1	\$2,459.19	\$2,459.19
Debris removal, by hand and visual inspection, metal panel roofing	1	0.82 M.S.F.	\$18.68	\$22.79	55.0000	55	55	\$1,253.32	\$1,253.32
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	16.40 S.F.	\$57.29	\$68.73	11.0000	11	11	\$756.05	\$756.05
Minor metal roof panel replacement, 2.5% of roof area	20	20.50 S.F.	\$234.27	\$278.23	2.7500	2	2	\$556.46	\$556.46

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Total metal roof panel replacement	30	8.20 Sq.	\$6,930.20	\$8,208.33	1.8333	1	1	\$8,208.33	\$8,208.33
Replace galvanized steel gutter, 5" box type, 28 ga.	40	81.00 L.F.	\$743.45	\$900.66	1.3750	1	1	\$900.66	\$900.66
Replace round corrugated galvanized downspout, 4" diameter	25	48.00 L.F.	\$362.25	\$439.20	2.2000	2	2	\$878.40	\$878.40
Refinish concrete floor finished	25	8.20 C.S.F.	\$3,458.98	\$4,154.78	2.2000	2	2	\$8,309.56	\$8,309.56
Inspect and clean shower head emergency shower station	3	1.00 Ea.	\$49.39	\$61.77	18.3333	18	18	\$1,111.88	\$1,111.88
Replace shower emergency shower station	25	1.00 Ea.	\$941.97	\$1,129.12	2.2000	2	2	\$2,258.23	\$2,258.23
Inspect and clean spray heads, emergency eye wash	3	1.00 Ea.	\$49.39	\$61.77	18.3333	18	18	\$1,111.88	\$1,111.88
Replace eye wash station, emergency eye wash	25	1.00 Ea.	\$1,114.34	\$1,325.00	2.2000	2	2	\$2,649.99	\$2,649.99
Clean out bucket floor drain with bucket	5	2.00 Ea.	\$588.76	\$736.31	11.0000	11	11	\$8,099.39	\$8,099.39
Replace floor drain with bucket	40	2.00 Ea.	\$4,321.43	\$4,959.73	1.3750	1	1	\$4,959.73	\$4,959.73
			\$45,548.49	\$54,077.35				MR Subtotal	\$150,546.76
								MR Per Year	\$2,737.21
								PM Total	\$114.74
								Subtotal	\$2,851.95
								Total Per Unit	\$3.48

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Release 2021 Qtr 3 UM SF
Zip Code Prefix 222 Design Life 55
Type PM Average Size 820.0

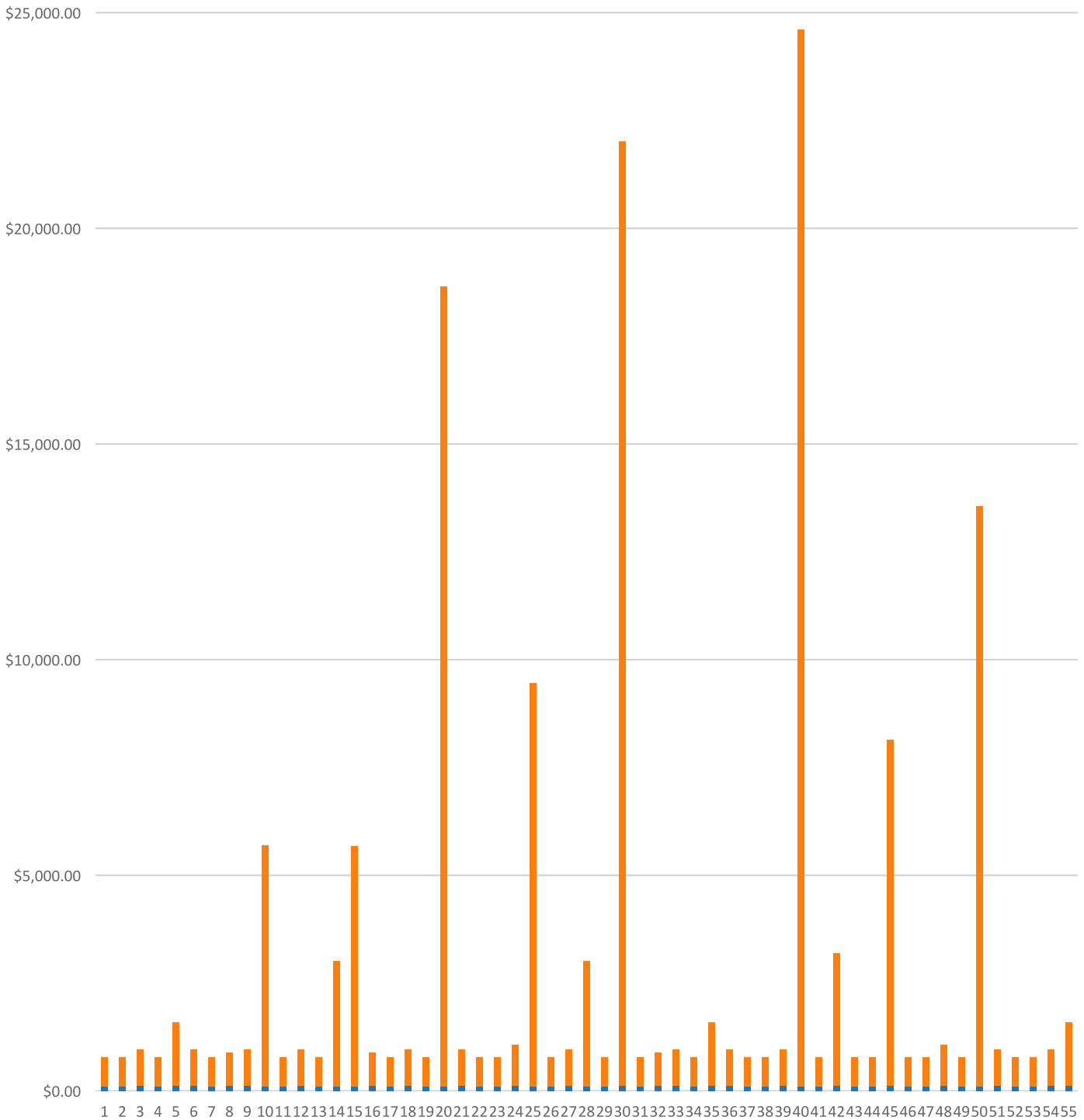
Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Fan, axial, up to 5,000 CFM, annually	2.00	1.25	\$11.73	\$62.55	\$0.00	\$74.28	\$94.22	\$114.74
						\$74.28	\$94.22	\$114.74

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Modeled Component List CostWorks Release 2021 Qtr 3

D20 Plumbing		
Rainwater Sump Pump	1.0 Ea.	
Emergency Shower Station	1.0 Ea.	
Emergency Eye Wash	1.0 Ea.	
Floor Drain With Bucekt	2.0 Ea.	
D30 HVAC		
Exhaust Fan, roof mounted exhaust fan, 2000 CFM exhaust	2.0 Ea.	
D40 Fire Protection		
Sprinkler System, Fire Supression, sprinkler head	4.0 Ea.	
Sprinkler System, Fire Supression , reduced pressure 3" backflow preventer	0.5 Ea.	
D50 Electrical		
Secondary Transformer, Dry, 15 KVA	1.0 Ea.	
Load Center, 100 A, maintenance & inspection	1.0 Ea.	
Load Center, 100 A, replacement	1.0 Ea.	
Metal Halide Fixture	4.0 Ea.	
Fire Alarm Bell	2.0 Ea.	
B20 Exterior Enclosure		
Steel, Painted	3.0 Ea.	
B30 Roofing		
Metal Steep Roofing	8.2 Sq.	
C30 Interior Finishes		
Concrete, Finished	8.2 C.S.F.	

FAC 2213 AIRCRAFT PRODUCTION STRUCTURE
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost