

FAC 2116 Aircraft Maintenance Shop, Depot

FY25 SUC: \$3.63 / SF
Source: Calculated using R.S. Means CostWorks 2024 Qtr 3 component prices

FAC 2116 Aircraft Maintenance Shop, Depot

FY25 SUC: \$3.63

UM: SF

Release: 2024 Qtr 3
Zip Code Prefix: 222
Type: MRExpected Service Life: 40
Model Size: 21826

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	Service Life/Frequency	Occurrences	Adjusted Occurrences	Life Cost	Adjusted Cost
Refinish fire escape balcony, 2' wide	7	128.00 L.F.	\$3,065.74	\$3,703.62	5.7143	5	5	\$18,518.09	\$18,518.09
Replace fire escape balcony, 2' wide	25	128.00 L.F.	\$32,248.00	\$38,972.76	1.6000	1	1	\$38,972.76	\$38,972.76
Refinish fire escape stair and platform	7	3.00 Flight	\$1,724.19	\$2,083.02	5.7143	5	5	\$10,415.08	\$10,415.08
Repair clay brick wall, 1st floor	25	492.00 S.F.	\$23,434.30	\$28,751.27	1.6000	1	1	\$28,751.27	\$28,751.27
Replace aluminum siding, 1st floor	35	14.30 C.S.F.	\$9,103.44	\$10,965.71	1.1429	1	1	\$10,965.71	\$10,965.71
Replace aluminum siding, 2nd floor	35	14.30 C.S.F.	\$11,142.65	\$13,502.30	1.1429	1	1	\$13,502.30	\$13,502.30
Replace aluminum siding, 3rd floor	35	14.30 C.S.F.	\$12,374.85	\$15,035.03	1.1429	1	1	\$15,035.03	\$15,035.03
Replace glass - 1st floor (1% of glass) - steel frame window	1	4.92 S.F.	\$67.16	\$78.86	40.0000	40	40	\$3,154.54	\$3,154.54
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	4.80 S.F.	\$65.53	\$76.94	40.0000	40	40	\$3,077.60	\$3,077.60
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	20.00 Ea.	\$3,229.96	\$3,849.12	2.0000	2	2	\$7,698.24	\$7,698.24
Repair 2'-0" x 3'-0" aluminum window - 2nd floor	20	12.00 Ea.	\$2,551.56	\$3,072.71	2.0000	2	2	\$6,145.43	\$6,145.43
Replace 2'-0" x 3'-0" aluminum window - 2nd floor	50	12.00 Ea.	\$10,474.75	\$12,284.60	0.8000	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	3.00 Ea.	\$2,332.68	\$2,762.30	2.8571	2	2	\$5,524.61	\$5,524.61
Refinish 3'-0" x 7'-0" steel, painted, door	4	3.00 Ea.	\$143.98	\$176.26	10.0000	10	10	\$1,762.58	\$1,762.58
Replace tempered glass - (3% of glass) steel painted door	1	1.89 S.F.	\$62.27	\$73.51	40.0000	40	40	\$2,940.37	\$2,940.37
Remove and replace electric bi-folding hangar door motor	15	2.00 Ea.	\$1,642.21	\$1,907.69	2.6667	2	2	\$3,815.39	\$3,815.39
Remove and replace electric bi-folding hangar door cables	15	2.00 Ea.	\$1,370.71	\$1,662.00	2.6667	2	2	\$3,324.00	\$3,324.00
Remove and replace electric bi-folding hangar door	20	2.00 Ea.	\$123,379.11	\$142,865.91	2.0000	2	2	\$285,731.81	\$285,731.81
Non - destructive moisture inspection, thermosetting	5	0.02 M.S.F.	\$2.53	\$3.09	8.0000	8	8	\$24.70	\$24.70
Minor membrane repairs, 2% of roof area, thermoset	1	4.20 Sq.	\$1,572.16	\$1,872.47	40.0000	40	40	\$74,898.73	\$74,898.73
Flashing repairs, 2 S.F. per sq. repaired, thermoset	1	64.00 S.F.	\$170.23	\$207.09	40.0000	40	40	\$8,283.43	\$8,283.43
Minor replacement, 25% of roof area, thermoset	10	28.00 Sq.	\$14,151.38	\$16,642.10	4.0000	4	4	\$66,568.41	\$66,568.41
Total thermoset roof replacement	20	21.00 Sq.	\$20,967.17	\$24,627.48	2.0000	2	2	\$49,254.97	\$49,254.97
Replace Roof edges, aluminum, duranodic, .050" thick, 6" face	25	380.00 L.F.	\$11,655.61	\$13,765.99	1.6000	1	1	\$13,765.99	\$13,765.99
Replace aluminum gutter, enameled, 5" K type, .027" thick	40	120.00 L.F.	\$1,298.17	\$1,564.61	1.0000	1	1	\$1,564.61	\$1,564.61
Replace roof hatch and structure single unit	40	2.00 Ea.	\$3,797.91	\$4,368.33	1.0000	1	1	\$4,368.33	\$4,368.33
Replace galvanized roof hatch and structure single unit	40	2.00 Ea.	\$5,283.79	\$6,056.83	1.0000	1	1	\$6,056.83	\$6,056.83
Repair steel painted interior door	14	7.00 Ea.	\$2,077.95	\$2,424.25	2.8571	2	2	\$4,848.50	\$4,848.50
Refinish 3'-0" x 7'-0" steel painted interior door	4	7.00 Ea.	\$421.42	\$518.17	10.0000	10	10	\$5,181.71	\$5,181.71
Safety glass replacement, (3% of glass) steel painted interior door	1	4.41 S.F.	\$113.24	\$133.58	40.0000	40	40	\$5,343.31	\$5,343.31
Repair solid core wood door, interior	11	6.00 Ea.	\$1,781.10	\$2,077.93	3.6364	3	3	\$6,233.79	\$6,233.79
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	6.00 Ea.	\$328.09	\$399.13	10.0000	10	9	\$3,991.32	\$3,592.19
Replace 3'-0" x 7'-0" solid core wood door, interior	40	6.00 Ea.	\$3,862.66	\$4,453.80	1.0000	1	1	\$4,453.80	\$4,453.80
Prepare and refinish interior metal gate	5	16.00 Ea.	\$383.86	\$470.46	8.0000	8	8	\$3,763.68	\$3,763.68
Repair medium weight vinyl wall covering - (2% of walls)	1	0.03 C.S.F.	\$15.88	\$18.53	40.0000	40	40	\$741.08	\$741.08
Replace medium weight vinyl wall covering	15	1.60 C.S.F.	\$985.22	\$1,135.56	2.6667	2	2	\$2,271.13	\$2,271.13
Repair 5/8" drywall - (2% of walls)	20	497.00 S.F.	\$298.40	\$1,129.25	2.0000	2	2	\$2,258.51	\$2,258.51
Refinish drywall	4	497.00 S.F.	\$358.86	\$440.05	10.0000	10	10	\$4,400.46	\$4,400.46
Refinish concrete floor finished	25	68.00 C.S.F.	\$31,178.86	\$37,459.42	1.6000	1	1	\$37,459.42	\$37,459.42
Replace vinyl tile flooring	18	30.55 S.Y.	\$1,727.86	\$2,114.95	2.2222	2	2	\$4,229.90	\$4,229.90
Replace vinyl sheet flooring	18	32.11 S.Y.	\$2,561.52	\$3,106.21	2.2222	2	2	\$6,212.42	\$6,212.42
Replace carpet	8	32.60 S.Y.	\$1,815.77	\$2,099.79	5.0000	5	5	\$10,498.96	\$10,498.96
Repair gypsum board ceiling - (2% of ceilings)	20	0.31 C.S.F.	\$125.05	\$153.33	2.0000	2	2	\$306.66	\$306.66
Refinish gypsum board ceiling, up to 12' high	20	15.32 C.S.F.	\$2,330.74	\$2,865.51	2.0000	2	1	\$5,731.02	\$2,865.51
Replace gypsum board ceiling, up to 12' high	40	15.32 C.S.F.	\$6,417.07	\$7,871.08	1.0000	1	1	\$7,871.08	\$7,871.08
Replace acoustic tile ceiling, fire-rated	20	9.03 C.S.F.	\$5,640.98	\$6,633.76	2.0000	2	2	\$13,267.52	\$13,267.52
Replace flush valve diaphragm tankless water closet	10	7.00 Ea.	\$193.13	\$239.93	4.0000	4	4	\$959.73	\$959.73
Rebuild flush valve tankless water closet	20	7.00 Ea.	\$1,352.90	\$1,630.68	2.0000	2	2	\$3,261.36	\$3,261.36
Unplug clogged line tankless water closet	5	7.00 Ea.	\$1,608.47	\$2,014.52	8.0000	8	8	\$16,116.12	\$16,116.12
Replace tankless water closet	35	7.00 Ea.	\$9,636.60	\$11,152.37	1.1429	1	1	\$11,152.37	\$11,152.37
Replace tankless flush valve	25	7.00 Ea.	\$1,908.59	\$2,240.20	1.6000	1	1	\$2,240.20	\$2,240.20
Replace wax ring gasket for tankless water closet	5	7.00 Ea.	\$1,048.28	\$1,311.67	8.0000	8	8	\$10,493.39	\$10,493.39
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$110.36	\$137.10	5.7143	5	5	\$685.52	\$685.52
Rebuild flush valve for a urinal	20	4.00 Ea.	\$773.08	\$931.82	2.0000	2	2	\$1,863.63	\$1,863.63
Unplug line urinal	5	4.00 Ea.	\$611.61	\$766.01	8.0000	8	8	\$6,128.09	\$6,128.09
Replace wall-hung urinal	35	4.00 Ea.	\$4,369.16	\$5,257.55	1.1429	1	1	\$5,257.55	\$5,257.55
Replace washer in spud connection lavatory, vitreous china	7	10.00 Ea.	\$173.93	\$212.34	5.7143	5	5	\$1,061.68	\$1,061.68
Replace washer in faucet lavatory, vitreous china	2	10.00 Ea.	\$135.98	\$169.63	20.0000	20	20	\$3,392.57	\$3,392.57
Replace faucets lavatory, vitreous china	10	10.00 Ea.	\$1,986.23	\$2,387.83	4.0000	4	4	\$9,551.34	\$9,551.34
Clean out strainer and P trap lavatory, vitreous china	2	10.00 Ea.	\$370.88	\$464.51	20.0000	20	20	\$9,290.20	\$9,290.20
Replace lavatory, vitreous china	35	10.00 Ea.	\$7,513.76	\$9,008.85	1.1429	1	1	\$9,008.85	\$9,008.85
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$13.50	\$16.85	20.0000	20	20	\$336.92	\$336.92
Clean trap sink, iron enamel	3	1.00 Ea.	\$9.02	\$11.29	13.3333	13	13	\$146.82	\$146.82
Replace faucets sink, iron enamel	10	1.00 Ea.	\$198.62	\$238.78	4.0000	4	4	\$955.13	\$955.13
Unstop sink, P.E.C.I. sink, iron enamel kitchen	2	1.00 Ea.	\$44.15	\$55.30	20.0000	20	20	\$1,105.98	\$1,105.98
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	1.00 Ea.	\$910.17	\$1,070.70	1.1429	1	1	\$1,070.70	\$1,070.70
Inspect / clean shower head fiberglass	3	4.00 Ea.	\$208.23	\$260.80	13.3333	13	13	\$3,390.43	\$3,390.43
Replace mixing valve barrel shower, fiberglass	2	4.00 Ea.	\$1,204.17	\$1,416.33	20.0000	20	20	\$28,326.65	\$28,326.65
Replace shower and fittings, fiberglass	20	4.00 Ea.	\$4,754.07	\$5,649.81	2.0000	2	2	\$11,299.61	\$11,299.61
Check / minor repairs drinking fountain	1	3.00 Ea.	\$155.83	\$195.17	40.0000	40	40	\$7,806.89	\$7,806.89
Repair internal leaks drinking fountain	4	3.00 Ea.	\$143.37	\$179.56	10.0000	10	10	\$1,795.58	\$1,795.58
Correct water pressure drinking fountain	2	3.00 Ea.	\$132.46	\$165.90	20.0000	20	20	\$3,317.93	\$3,317.93
Replace refrigerant drinking fountain	2	3.00 Ea.	\$110.31	\$128.99	20.0000	20	20	\$2,579.83	\$2,579.83
Repair drain leak drinking fountain	4	3.00 Ea.	\$91.53	\$110.43	10.0000	10	8	\$1,104.25	\$883.40
Replace fountain drinking fountain	10	3.00 Ea.	\$4,570.18	\$5,383.32	4.0000	4	4	\$21,533.28	\$21,533.28
Inspect and clean shower head emergency shower station	3	2.00 Ea.	\$104.12	\$130.40	13.3333	13	13	\$1,695.21	\$1,695.21
Replace shower emergency shower station	25	2.00 Ea.	\$2,111.80	\$2,526.39	1.6000	1	1	\$2,526.39	\$2,526.39
Inspect and clean spray heads, emergency eye wash	3	2.00 Ea.	\$104.12	\$130.40	13.3333	13	13	\$1,695.21	\$1,695.21
Replace eye wash station, emergency eye wash	25	2.00 Ea.	\$1,580.90	\$1,923.10	1.6000	1	1	\$1,923.10	\$1,923.10
Resolder joint pipe & fittings, copper	10	2.00 Ea.	\$101.81	\$125.57	4.0000	4	4	\$502.29	\$502.29
Replace pipe and fittings, copper 3/4"	20	16.00 L.F.	\$385.58	\$468.64	2.0000	2	2	\$937.28	\$937.28
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$904.99	\$1,084.54	1.6000	1	1	\$1,084.54	\$1,084.54
Remove old insulation & replace with new, pipe 3/4", wall 1"	15	16.00 L.F.	\$165.02	\$201.61	2.6667	2	2	\$403.21	\$403.21
Remove old insulation & replace with new, pipe 1-1/2", wall 1"	15	16.00 L.F.	\$184.99	\$225.37	2.6667	2	2	\$450.73	\$450.73
Drain and flush water heater, electric, 120 gallon	7	1.00 Ea.	\$310.63	\$389.04	5.7143	5	5	\$1,945.22	\$1,945.22
Check operation water heater, electric, 120 gallon	3	1.00 Ea.	\$2.72	\$3.41	13.3333	13	13	\$44.32	\$44.32
Replace water heater, electric, 120 gallon	15	1.00 Ea.	\$15,946.05	\$18,237.49	2.6667	2	2	\$36,474.98	\$36,474.98
Unclog floor drain, PVC	20	4.00 Ea.	\$201.54	\$252.42	2.0000	2	2	\$504.85	\$504.85
Repair joint pipe and fittings, PVC	10	8.00 Ea.	\$1,267.84	\$1,567.29	4.0000	4	4	\$6,269.16	\$6,269.16
Replace pipe, 4" pipe and fittings, PVC	30	16.00 L.F.	\$1,499.18	\$1,834.72	1.3333	1	1	\$1,834.72	\$1,834.72
General maintenance & repair drain, roof, scupper, area	1	12.00 Ea.	\$470.62	\$589.42	40.0000	40	40	\$23,576.80	\$23,576.80
Replace drain: roof, scupper, area	40	12.00 Ea.	\$13,156.28	\$15,182.59	1.0000	1	1	\$15,182.59	\$159

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Service Life/Frequency	Occurrences	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace manual pull station	15	8.00 Ea.	\$1,840.61	\$2,212.03	2.6667	2	2	\$4,424.07	\$4,424.07
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$160.28	\$195.43	8.0000	8	8	\$1,563.40	\$1,563.40
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$46.25	\$58.02	80.0000	80	80	\$4,641.68	\$4,641.68
Replace fire alarm control panel	15	1.00 Ea.	\$2,335.26	\$2,841.40	2.6667	2	2	\$5,682.79	\$5,682.79
Minor repairs to annunciation panel	5	2.00 Ea.	\$320.55	\$390.85	8.0000	8	8	\$3,126.80	\$3,126.80
Maintenance and inspection annunciation panel	0.5	2.00 Ea.	\$92.50	\$116.04	80.0000	80	80	\$9,283.36	\$9,283.36
Replace fire alarm bell, 6"	20	4.00 Ea.	\$801.74	\$971.29	2.0000	2	2	\$1,942.57	\$1,942.57
Maintenance and repair special ground system	4	1.00 Ea.	\$23.25	\$29.16	10.0000	10	10	\$291.63	\$291.63
Maintenance and repair voice/data outlet	10	12.00 Ea.	\$668.32	\$835.38	4.0000	4	4	\$3,341.51	\$3,341.51
Replace voice/data outlet	20	12.00 Ea.	\$339.80	\$413.83	2.0000	2	2	\$827.67	\$827.67
Maintenance and inspection patch panel	0.5	1.00 Ea.	\$92.50	\$116.04	80.0000	80	80	\$9,283.36	\$9,283.36
Replace patch panel	15	1.00 Ea.	\$947.18	\$1,138.31	2.6667	2	2	\$2,276.61	\$2,276.61
Remove and replace 50 HP pump motor	25	1.00 Ea.	\$10,424.40	\$11,906.01	1.6000	1	1	\$11,906.01	\$11,906.01
			\$791,200.17	\$929,933.82					
								MR Subtotal:	\$2,339,280.29
								MR Per Year:	\$58,482.01
								PM Total:	\$20,724.01
								Subtotal:	\$79,206.02
								Total Per Unit:	\$3.63

FAC 2116 Aircraft Maintenance Shop, Depot

FY25 SUC: \$3.63

UM: SF

Expected Service Life: 40

Model Size: 21826

Release: 2024 Qtr 3

Zip Code Prefix: 222

Type: PM

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Hanger doors, sliding, annualized	2	4.51	\$105.84	\$204.13	\$0.0000	309.97	381.79	458.91
Door, emergency egress, swinging, annualized	4	1.04	\$63.29	\$46.94	\$0.0000	110.22	130.63	154.21
Fire doors, swinging, annualized	4	1.57	\$57.96	\$64.30	\$0.0000	122.26	147.34	175.32
Urinals, annualized	3	0.68	\$20.52	\$36.80	\$0.0000	57.32	70.41	84.53
Toilet (vacuum breaker type), annualized	7	1.24	\$64.29	\$66.92	\$0.0000	131.21	157.71	187.43
Lavatories, annualized	10	3.48	\$77.18	\$219.96	\$0.0000	297.14	370.85	448.41
Showers, annualized	4	0.91	\$56.08	\$57.70	\$0.0000	113.78	136.89	162.42
Drink fountain, annualized	3	1.86	\$108.45	\$100.25	\$0.0000	208.70	249.62	295.96
Fan, axial, up to 5,000 CFM, annualized	4	4.98	\$55.10	\$267.34	\$0.0000	322.44	408.15	496.62
Package unit, air cooled, 3 thru 24 ton, annualized	2	4.79	\$330.23	\$307.94	\$0.0000	638.17	763.58	905.49
Backflow prevention device, up to 4", annualized	1	0.33	\$14.56	\$21.15	\$0.0000	35.71	43.51	52.04
Fire pump, electric motor driven, annualized	1	47.75	\$61.55	\$3,003.30	\$0.0000	3,064.85	3,972.00	4,882.22
Extinguishing system, dry pipe, annualized	1	13.02	\$114.31	\$820.62	\$0.0000	934.93	1,192.55	1,455.88
Extinguishing system, foam pump electric, annualized	2	35.44	\$713.21	\$1,903.50	\$0.0000	2,616.71	3,259.08	3,937.11
Switchboard, annualized	4	2.80	\$19.00	\$201.19	\$0.0000	220.19	282.45	345.66
Circuit breaker, high voltage air, annualized	2	0.94	\$33.03	\$66.73	\$0.0000	99.77	123.09	148.06
Switch, selector, high voltage, air, annualized	4	1.63	\$66.07	\$117.53	\$0.0000	183.60	225.46	270.63
Transformer, dry type 500 KVA and over, annualized	2	1.54	\$33.03	\$109.56	\$0.0000	142.59	178.77	216.59
Panelboard, 225 A and above, annualized	4	1.76	\$103.79	\$125.50	\$0.0000	229.29	277.32	330.53
Fire alarm annunciator system, annualized	2	22.10	\$391.22	\$1,394.40	\$0.0000	1,785.62	2,243.06	2,720.06
Security, intrusion alarm system, annualized	1	3.83	\$178.64	\$242.03	\$0.0000	420.67	511.14	610.55
Light, emergency, hardwired system, annually	14	1.75	\$97.11	\$110.85	\$0.0000	207.96	250.93	298.75
Crane, electric bridge, up to 5 ton, annualized	1	2.92	\$247.45	\$113.21	\$0.0000	360.66	419.37	490.45
Crane, electric bridge, 5 to 15 ton, annualized	1	7.67	\$606.00	\$299.50	\$0.0000	905.50	1,055.95	1,236.70
Pump, air lift, well, annualized	2	3.63	\$36.17	\$196.42	\$0.0000	232.59	295.13	359.48
						\$13,751.85	\$17,146.58	\$20,724.01