

**FAC 2112 AIRCRAFT MAINTENANCE SHOP**

FY22 SUC:	\$4.15 / SF
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2112 AIRCRAFT MAINTENANCE SHOP

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 40  
Average Size 10915.0

SUC \$4.15

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
Replace vinyl tile flooring	18	8.00 S.Y.	\$395.23	\$485.36	2.2222	2	2	\$970.72	\$970.72
Replace vinyl sheet flooring	18	8.00 S.Y.	\$730.53	\$874.57	2.2222	2	2	\$1,749.13	\$1,749.13
Replace acoustic tile ceiling, fire-rated	20	8.00 C.S.F.	\$4,193.83	\$4,943.09	2.0000	2	2	\$9,886.18	\$9,886.18
Replace aluminum siding, 1st floor	35	14.00 C.S.F.	\$8,180.84	\$9,851.42	1.1429	1	1	\$9,851.42	\$9,851.42
Replace aluminum siding, 2nd floor	35	14.00 C.S.F.	\$10,023.19	\$12,139.26	1.1429	1	1	\$12,139.26	\$12,139.26
Replace glass - 1st floor (1% of glass) - steel frame window	1	5.76 S.F.	\$69.45	\$81.63	40.0000	40	40	\$3,265.14	\$3,265.14
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	24.00 Ea.	\$7,159.29	\$8,410.03	2.0000	2	2	\$16,820.07	\$16,820.07
Refinish 3'-9" x 5'-5" steel frame window - 1st floor.	5	24.00 Ea.	\$1,921.99	\$2,384.32	8.0000	8	8	\$19,074.58	\$19,074.58
Replace 3'-9" x 5'-5" steel frame window - 1st floor.	45	24.00 Ea.	\$39,764.60	\$45,786.50	0.8889	0	0	\$0.00	\$0.00
Finish new 3'-9" x 5'-5" steel frame window - 1st floor.	45	24.00 Ea.	\$1,667.58	\$2,067.96	0.8889	0	0	\$0.00	\$0.00
Replace glass - 2nd floor (1% of glass) - steel frame window	1	1.30 S.F.	\$138.05	\$170.39	40.0000	40	40	\$6,815.67	\$6,815.67
Repair 3'-9" x 5'-5" steel frame window - 2nd floor.	20	24.00 Ea.	\$8,277.27	\$9,798.36	2.0000	2	2	\$19,596.72	\$19,596.72
Refinish 3'-9" x 5'-5" steel frame window - 2nd floor.	5	24.00 Ea.	\$3,557.13	\$4,417.65	8.0000	8	8	\$35,341.20	\$35,341.20
Replace 3'-9" x 5'-5" steel frame window - 2nd floor.	45	24.00 Ea.	\$40,882.58	\$47,174.82	0.8889	0	0	\$0.00	\$0.00
Finish new 3'-9" x 5'-5" steel frame window - 2nd floor.	45	24.00 Ea.	\$3,302.72	\$4,101.29	0.8889	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	4.00 Ea.	\$2,500.30	\$2,976.02	2.8571	2	2	\$5,952.05	\$5,952.05
Refinish 3'-0" x 7'-0" steel, painted, door	4	4.00 Ea.	\$165.60	\$203.46	10.0000	10	10	\$2,034.65	\$2,034.65
Replace 3'-0" x 7'-0" steel, painted, door	45	4.00 Ea.	\$2,820.26	\$3,278.92	0.8889	0	0	\$0.00	\$0.00
Replace tempered glass - (3% of glass) steel painted door	1	2.52 S.F.	\$56.95	\$68.04	40.0000	40	40	\$2,721.69	\$2,721.69
Repair 12' x 12' steel roll-up door	10	3.00 Ea.	\$2,027.69	\$2,406.65	4.0000	4	4	\$9,626.60	\$9,626.60
Refinish 12' x 12' steel roll-up door	5	3.00 Ea.	\$610.34	\$747.57	8.0000	8	8	\$5,980.54	\$5,980.54
Replace 12' x 12' steel roll-up door	35	3.00 Ea.	\$8,110.75	\$9,626.60	1.1429	1	1	\$9,626.60	\$9,626.60
Debris removal, by hand and visual inspection, metal panel roofing	1	3.48 M.S.F.	\$79.33	\$96.76	40.0000	40	40	\$3,870.56	\$3,870.56
Replace flush valve diaphragm tankless water closet	10	8.00 Ea.	\$209.76	\$260.29	4.0000	4	4	\$1,041.15	\$1,041.15
Rebuild flush valve tankless water closet	20	8.00 Ea.	\$1,443.47	\$1,739.66	2.0000	2	2	\$3,479.31	\$3,479.31
Unplug clogged line tankless water closet	5	8.00 Ea.	\$1,747.16	\$2,185.01	8.0000	8	8	\$17,480.12	\$17,480.12
Replace tankless water closet	35	8.00 Ea.	\$10,289.77	\$11,907.96	1.1429	1	1	\$11,907.96	\$11,907.96
Replace tankless flush valve	25	8.00 Ea.	\$2,017.72	\$2,368.88	1.6000	1	1	\$2,368.88	\$2,368.88
Replace wax ring gasket for tankless water closet	5	8.00 Ea.	\$1,132.15	\$1,414.61	8.0000	8	8	\$11,316.89	\$11,316.89

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$104.88	\$130.14	5.7143	5	5	\$650.72	\$650.72
Rebuild flush valve for a urinal	20	4.00 Ea.	\$721.74	\$869.83	2.0000	2	2	\$1,739.66	\$1,739.66
Unplug line urinal	5	4.00 Ea.	\$580.29	\$725.71	8.0000	8	8	\$5,805.69	\$5,805.69
Replace wall-hung urinal	35	4.00 Ea.	\$3,875.45	\$4,676.42	1.1429	1	1	\$4,676.42	\$4,676.42
Replace washer in spud connection lavatory, vitreous china	7	12.00 Ea.	\$197.55	\$240.96	5.7143	5	5	\$1,204.80	\$1,204.80
Replace washer in faucet lavatory, vitreous china	2	12.00 Ea.	\$154.62	\$192.62	20.0000	20	20	\$3,852.44	\$3,852.44
Replace faucets lavatory, vitreous china	10	12.00 Ea.	\$2,180.71	\$2,625.06	4.0000	4	4	\$10,500.26	\$10,500.26
Clean out strainer and P trap lavatory, vitreous china	2	12.00 Ea.	\$418.43	\$523.29	20.0000	20	20	\$10,465.90	\$10,465.90
Unstop sink, iron enamel	2	2.00 Ea.	\$83.64	\$104.60	20.0000	20	20	\$2,092.09	\$2,092.09
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	2.00 Ea.	\$1,273.40	\$1,515.02	1.1429	1	1	\$1,515.02	\$1,515.02
Inspect / clean shower head bathtub, fiberglass	3	2.00 Ea.	\$98.79	\$123.54	13.3333	13	13	\$1,606.05	\$1,606.05
Replace mixing valve barrel bathtub, fiberglass	2	2.00 Ea.	\$565.18	\$664.64	20.0000	20	20	\$13,292.78	\$13,292.78
Check / minor repairs drinking fountain	1	3.00 Ea.	\$146.65	\$183.40	40.0000	40	40	\$7,335.91	\$7,335.91
Correct water pressure drinking fountain	2	3.00 Ea.	\$125.46	\$156.91	20.0000	20	20	\$3,138.14	\$3,138.14
Replace refrigerant drinking fountain	2	3.00 Ea.	\$98.05	\$114.81	20.0000	20	20	\$2,296.15	\$2,296.15
Inspect and clean shower head emergency shower station	3	2.00 Ea.	\$98.79	\$123.54	13.3333	13	13	\$1,606.05	\$1,606.05
Replace shower emergency shower station	25	2.00 Ea.	\$1,883.93	\$2,258.23	1.6000	1	1	\$2,258.23	\$2,258.23
Inspect and clean spray heads, emergency eye wash	3	2.00 Ea.	\$98.79	\$123.54	13.3333	13	13	\$1,606.05	\$1,606.05
Replace pipe and fittings, copper 3/4"	20	16.00 L.F.	\$416.86	\$502.12	2.0000	2	2	\$1,004.24	\$1,004.24
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$983.75	\$1,170.32	1.6000	1	1	\$1,170.32	\$1,170.32
Replace threaded steel pipe and fittings, 2"	75	18.00 L.F.	\$733.83	\$900.36	0.5333	0	0	\$0.00	\$0.00
Replace old valve, non-drain, less than 1-1/2"	10	2.00 Ea.	\$1,076.78	\$1,243.71	4.0000	4	4	\$4,974.86	\$4,974.86
Clean & service water heater, gas / oil, 70 gallon	1	2.00 Ea.	\$393.23	\$491.78	40.0000	40	40	\$19,671.11	\$19,671.11
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.03	\$10.04	80.0000	80	80	\$803.15	\$803.15
Replace pump / motor assembly circulation pump, 1/12 HP	10	1.00 Ea.	\$1,100.58	\$1,290.00	4.0000	4	4	\$5,159.98	\$5,159.98
Inspect/check pump/motor operation, lubricate circulation pump, bronze 1 HP	0.5	1.00 Ea.	\$8.03	\$10.04	80.0000	80	80	\$803.15	\$803.15
Replace pump / motor assembly circulation pump, bronze 1 HP	20	1.00 Ea.	\$5,768.48	\$6,613.79	2.0000	2	2	\$13,227.58	\$13,227.58
Unclog floor drain, PVC	20	4.00 Ea.	\$191.18	\$239.10	2.0000	2	2	\$478.19	\$478.19
Unclog 4" - 12" diameter PVC main drain per L.F.	10	16.00 L.F.	\$60.66	\$75.86	4.0000	4	4	\$303.44	\$303.44

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
General maintenance & repair drain: roof, scupper, area	1	6.00 Ea.	\$221.93	\$277.54	40.0000	40	40	\$11,101.68	\$11,101.68
Replace drain: roof, scupper, area	40	6.00 Ea.	\$4,721.59	\$5,474.16	1.0000	1	1	\$5,474.16	\$5,474.16
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,785.82	\$6,733.75	5.7143	5	5	\$33,668.73	\$33,668.73
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$39,838.14	\$46,620.21	1.3333	1	1	\$46,620.21	\$46,620.21
Repair cooling tower, 50 ton	10	1.00 Ea.	\$1,244.67	\$1,481.97	4.0000	4	3	\$5,927.87	\$4,445.90
Replace cooling tower, 50 ton	15	1.00 Ea.	\$16,033.09	\$18,465.51	2.6667	2	2	\$36,931.02	\$36,931.02
Repair water cooled chiller, 50 ton, reciprocating	10	1.00 Ea.	\$45,520.89	\$52,632.05	4.0000	4	4	\$210,528.21	\$210,528.21
Replace chiller, water cooled 50 ton, reciprocating	20	1.00 Ea.	\$52,675.18	\$61,378.40	2.0000	2	2	\$122,756.80	\$122,756.80
Repair fan coil unit, 10 ton	10	4.00 Ea.	\$3,277.88	\$3,845.25	4.0000	4	3	\$15,380.99	\$11,535.74
Replace fan coil unit, 10 ton	15	4.00 Ea.	\$22,342.58	\$26,188.50	2.6667	2	2	\$52,377.01	\$52,377.01
Repair fan, induced draft, 2000 CFM	10	2.00 Ea.	\$605.49	\$739.06	4.0000	4	4	\$2,956.24	\$2,956.24
Replace fan, induced draft, 2000 CFM	20	2.00 Ea.	\$8,284.47	\$9,551.14	2.0000	2	2	\$19,102.28	\$19,102.28
Maintenance and repair standard suspended heater	2	4.00 Ea.	\$438.18	\$517.11	20.0000	20	20	\$10,342.25	\$10,342.25
Replace heater standard suspended heater	15	4.00 Ea.	\$2,485.91	\$2,889.07	2.6667	2	2	\$5,778.13	\$5,778.13
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	40.0000	40	40	\$1,717.15	\$1,717.15
Replace sprinkler head	20	114.00 Ea.	\$9,749.60	\$11,991.60	2.0000	2	2	\$23,983.21	\$23,983.21
Repair 500 kva transformer, primary, liquid filled	10	2.00 Ea.	\$5,631.46	\$6,474.10	4.0000	4	4	\$25,896.42	\$25,896.42
Repair switchboard meter	10	1.00 Ea.	\$1,568.90	\$1,830.18	4.0000	4	4	\$7,320.73	\$7,320.73
Maintenance and repair motor starter, up to 600 V	5	6.00 Ea.	\$1,677.83	\$2,025.59	8.0000	8	8	\$16,204.71	\$16,204.71
Maintenance and inspection lighting panel, indoor	3	2.00 Ea.	\$81.29	\$101.84	13.3333	13	13	\$1,323.96	\$1,323.96
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	6.00 Ea.	\$430.58	\$539.45	2.0000	2	2	\$1,078.90	\$1,078.90
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	14.00 Ea.	\$1,004.68	\$1,258.72	1.6000	1	1	\$1,258.72	\$1,258.72
Maintenance and inspection circuit breaker, enclosed, 240 V, 1 pole	1	14.00 Ea.	\$453.44	\$568.09	40.0000	40	40	\$22,723.71	\$22,723.71
Maintenance and repair receptacles and plugs	20	38.00 Ea.	\$1,605.25	\$2,004.07	2.0000	2	2	\$4,008.13	\$4,008.13
Maintenance and repair wiring devices, switches	10	26.00 Ea.	\$1,098.33	\$1,371.20	4.0000	4	4	\$5,484.82	\$5,484.82
Replace fluorescent light fixture ballast, 80 W	10	22.00 Ea.	\$2,742.71	\$3,327.22	4.0000	4	4	\$13,308.88	\$13,308.88
Replace lamps (2 lamps), 4', 34 W energy saver	10	22.00 Ea.	\$554.71	\$694.74	4.0000	4	4	\$2,778.95	\$2,778.95
Replace metal halide ballast, 400 W	10	32.00 Ea.	\$5,630.47	\$6,732.86	4.0000	4	4	\$26,931.44	\$26,931.44
Replace metal halide fixture lamp, 400 W	5	32.00 Ea.	\$2,124.43	\$2,553.80	8.0000	8	8	\$20,430.43	\$20,430.43
Replace metal halide fixture, 400 W	20	32.00 Ea.	\$27,258.18	\$32,353.81	2.0000	2	2	\$64,707.61	\$64,707.61
Repair smoke detector	10	16.00 Ea.	\$902.20	\$1,115.43	4.0000	4	4	\$4,461.70	\$4,461.70
Repair heat detector	10	16.00 Ea.	\$982.04	\$1,206.15	4.0000	4	4	\$4,824.61	\$4,824.61
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	8.0000	8	8	\$1,458.20	\$1,458.20
Check and repair manual pull station	10	12.00 Ea.	\$1,052.36	\$1,293.96	4.0000	4	4	\$5,175.85	\$5,175.85

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace fire alarm bell, 6"	20	3.00 Ea.	\$584.89	\$705.83	2.0000	2	2	\$1,411.65	\$1,411.65
Maintenance and repair building structure ground	7	1.20 M.L.F.	\$105.47	\$131.74	5.7143	5	5	\$658.72	\$658.72
Maintenance and repair of general wiring lightning protection system	1	1.20 M.L.F.	\$116.07	\$143.79	40.0000	40	40	\$5,751.67	\$5,751.67
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$351.56	\$439.15	40.0000	40	40	\$17,565.95	\$17,565.95
Replace lamp emergency lighting fixture	2	8.00 Ea.	\$437.52	\$527.01	20.0000	20	20	\$10,540.11	\$10,540.11
Replace emergency lighting fixture	20	8.00 Ea.	\$4,818.94	\$5,678.09	2.0000	2	2	\$11,356.18	\$11,356.18
Maintenance and repair exit light	20	8.00 Ea.	\$297.61	\$368.03	2.0000	2	2	\$736.05	\$736.05
Maintenance and inspection UPS battery	0.17	2.00 Ea.	\$129.55	\$162.31	235.2941	235	235	\$38,143.37	\$38,143.37
Replace motor generator UPS battery	15	2.00 Ea.	\$2,201.93	\$2,602.81	2.6667	2	2	\$5,205.61	\$5,205.61
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	69.00 S.F.	\$241.02	\$289.18	8.0000	8	8	\$2,313.41	\$2,313.41
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	3.20 S.F.	\$58.56	\$70.95	40.0000	40	40	\$2,838.08	\$2,838.08
Minor metal roof panel replacement, 2.5% of roof area	20	275.00 S.F.	\$3,142.59	\$3,732.32	2.0000	2	2	\$7,464.64	\$7,464.64
Total metal roof panel replacement	30	109.00 Sq.	\$92,120.98	\$109,110.77	1.3333	1	1	\$109,110.77	\$109,110.77
Repair steel painted interior door	14	6.00 Ea.	\$1,760.71	\$2,049.38	2.8571	2	2	\$4,098.77	\$4,098.77
Refinish 3'-0" x 7'-0" steel painted interior door	4	6.00 Ea.	\$315.51	\$388.72	10.0000	10	10	\$3,887.18	\$3,887.18
Replace 3'-0" x 7'-0" steel painted interior door	60	6.00 Ea.	\$7,308.21	\$8,472.50	0.6667	0	0	\$0.00	\$0.00
Repair solid core wood door, interior	11	7.00 Ea.	\$2,054.17	\$2,390.95	3.6364	3	3	\$7,172.84	\$7,172.84
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	7.00 Ea.	\$303.55	\$372.75	10.0000	10	9	\$3,727.48	\$3,354.73
Replace 3'-0" x 7'-0" solid core wood door, interior	40	7.00 Ea.	\$3,425.99	\$3,960.67	1.0000	1	1	\$3,960.67	\$3,960.67
Repair medium weight vinyl wall covering - (2% of walls)	1	0.04 C.S.F.	\$10.88	\$12.94	40.0000	40	40	\$517.62	\$517.62
Replace medium weight vinyl wall covering	15	1.88 C.S.F.	\$638.10	\$766.09	2.6667	2	2	\$1,532.19	\$1,532.19
Repair 5/8" drywall - (2% of walls)	20	58.62 S.F.	\$98.21	\$119.50	2.0000	2	2	\$238.99	\$238.99
Refinish drywall	4	2.00 S.F.	\$1.24	\$1.53	10.0000	10	10	\$15.28	\$15.28
Replace 5/8" drywall	75	2.00 S.F.	\$4.66	\$5.70	0.5333	0	0	\$0.00	\$0.00
Replace stainless steel wall interior finish	75	30.75 C.S.F.	\$39,302.05	\$46,837.76	0.5333	0	0	\$0.00	\$0.00
Refinish concrete floor finished	25	104.48 C.S.F.	\$44,072.52	\$52,937.95	1.6000	1	1	\$52,937.95	\$52,937.95
			\$659,034.04	\$776,606.66				MR Subtotal	\$1,465,664.36
								MR Per Year	\$36,473.27
								PM Total	\$8,800.79
								Subtotal	\$45,274.06
								Total Per Unit	\$4.15

FAC 2112 AIRCRAFT MAINTENANCE SHOP

SUC \$4.15

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 10915.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	11.00	2.86	\$160.51	\$118.24	\$0.00	\$278.76	\$330.28	\$389.83
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	4.00	16.28	\$163.84	\$675.24	\$0.00	\$839.08	\$1,058.04	\$1,285.19
Fire doors, swinging, annualized	2.00	0.78	\$28.64	\$29.12	\$0.00	\$57.76	\$69.36	\$82.39
Urinals, annualized	4.00	0.91	\$25.27	\$45.81	\$0.00	\$71.09	\$87.36	\$104.89
Toilet (vacuum breaker type), annualized	8.00	1.42	\$67.53	\$71.18	\$0.00	\$138.72	\$166.83	\$198.31
Lavatories, annualized	12.00	4.18	\$71.58	\$248.44	\$0.00	\$320.02	\$401.71	\$486.98
Showers, annualized	2.00	0.46	\$25.78	\$27.22	\$0.00	\$53.00	\$63.75	\$75.78
Drink fountain, annualized	3.00	1.86	\$62.18	\$93.83	\$0.00	\$156.00	\$190.37	\$227.84
Boiler, hot water, oil, gas, or comb. fired, 120 - 500 MBH, annualized	1.00	15.88	\$77.34	\$947.08	\$0.00	\$1,024.42	\$1,316.27	\$1,612.00
Water cooling tower, up to 50 tons, annualized	1.00	4.55	\$26.29	\$273.11	\$0.00	\$299.40	\$383.96	\$469.83
Chiller, recip., air cooled, over 25 tons, annualized	1.00	12.89	\$91.50	\$775.28	\$0.00	\$866.78	\$1,108.51	\$1,354.82
Centrifugal, over 1 HP, annualized	1.00	1.20	\$11.73	\$59.91	\$0.00	\$71.64	\$90.78	\$110.51
Backflow prevention device, up to 4", annualized	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Crane, electric bridge, 5 to 15 ton, annualized	1.00	7.67	\$424.02	\$269.10	\$0.00	\$693.12	\$816.25	\$960.58
Extinguishing system, dry pipe, annualized	1.00	13.02	\$122.33	\$775.28	\$0.00	\$897.61	\$1,142.43	\$1,393.36
						\$5,800.60	\$7,266.40	\$8,800.79



# FAC 2112 AIRCRAFT MAINTENANCE SHOP

## Modeled Component List CostWorks Release 2021 Qtr 3

### C30 Interior Finishes

Vinyl	8.0 S.Y.
Vinyl Sheet	8.0 S.Y.
Acoustic Tile, fire-rated	8.0 C.S.F.
Vinyl Wall Covering	1.88 C.S.F.
Drywall	2.0 S.F.
Stainless Steel Interior Finish	30.75 C.S.F.
Concrete, Finished	104.48 C.S.F.

### B20 Exterior Enclosure

Aluminum Siding, 1st floor	14.0 C.S.F.
Aluminum Siding, 2nd floor	14.0 C.S.F.
Steel Frame, Operating, 1st floor	24.0 Ea.
Steel Frame, Operating, 2nd floor	24.0 Ea.
Steel, Painted	4.0 Ea.
Steel Single, Roll-Up	3.0 Ea.

### D20 Plumbing

Tankless Water Closet	8.0 Ea.
Urinal	4.0 Ea.
Sink, Iron Enamel	2.0 Ea.
Emergency Shower Station	2.0 Ea.
Valve, Non-Drain, Less Than 1-1/2", Less Than 1-1/2"	2.0 Ea.
Circulation Pump, 1/12 HP	1.0 Ea.
Circulation Pump, Bronze 1 HP	1.0 Ea.
Drain: Roof, Scupper, Area	6.0 Ea.

### D30 HVAC

Boiler, Gas, 2000 MBH	1.0 Ea.
Cooling Tower, 50 ton	1.0 Ea.
Chiller, Water Cooled, Reciprocating, 50 ton	1.0 Ea.
Fan Coil, 10 ton	4.0 Ea.
Standard Suspended Heater	4.0 Ea.

### D40 Fire Protection

Sprinkler System, Fire Suppression, sprinkler head	114.0 Ea.
Extinguishing system, dry pipe, annualized	1.0 Each

### D50 Electrical

Load Center, 100 A, maintenance & inspection	2.0 Ea.
Fixture 400 W	32.0 Ea.
Fire Alarm Bell	3.0 Ea.
Emergency Lighting Fixture	8.0 Ea.
UPS Battery, maintenance & inspection	2.0 Ea.
UPS Battery, replace motor	2.0 Ea.

### B30 Roofing

Metal Steep Roofing	109.0 Sq.
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### C10 Interior Construction

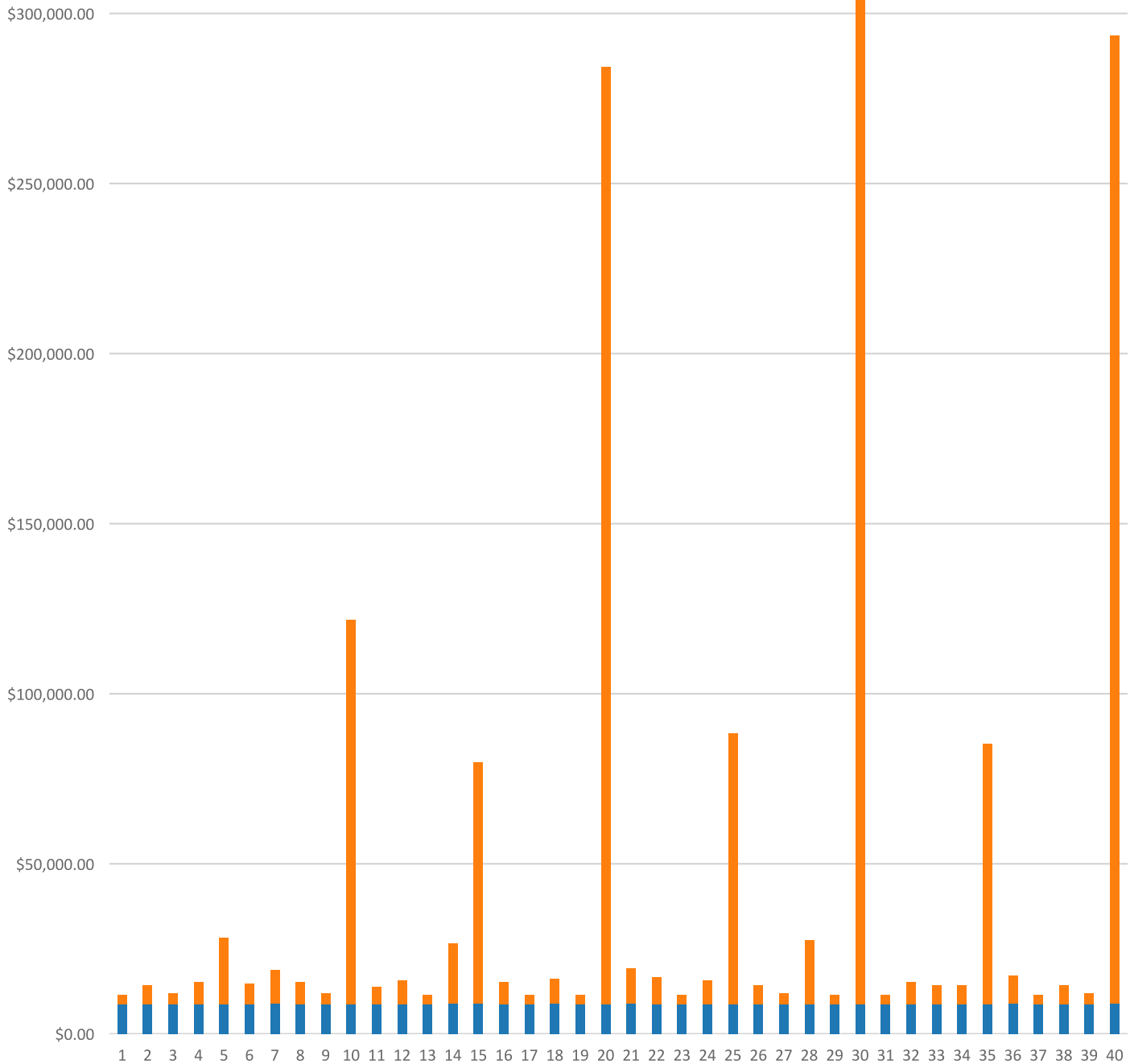
Steel Painted Interior Doors	6.0 Ea.
Solid Core Interior Doors	7.0 Ea.
Fire Doors, Swinging, annualized	2.0 Each

### E10 Equipment

Crane, Electric, 5 to 15 ton, annualized	1.0 Each
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FAC 2112 AIRCRAFT MAINTENANCE SHOP  
Sustainment by Year  
CostWorks Release 2021 Qtr 3



PM Cost  
MR Cost