

FAC 2251 WEAPON PRODUCTION PLANT

FY22 SUC: \$2.54 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2251 WEAPON PRODUCTION PLANT

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 45700.0

SUC \$2.54

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
Rebuild flush valve tankless water closet	20	18.00 Ea.	\$3,247.81	\$3,914.23	2.7500	2	2	\$7,828.46	\$7,828.46
Replace tankless water closet	35	18.00 Ea.	\$23,151.98	\$26,792.92	1.5714	1	1	\$26,792.92	\$26,792.92
Replace tankless flush valve	25	18.00 Ea.	\$4,539.87	\$5,329.99	2.2000	2	2	\$10,659.98	\$10,659.98
Replace wax ring gasket for tankless water closet	5	18.00 Ea.	\$2,547.35	\$3,182.88	11.0000	11	11	\$35,011.64	\$35,011.64
Replace flush valve diaphragm for a urinal	7	9.00 Ea.	\$235.98	\$292.82	7.8571	7	7	\$2,049.76	\$2,049.76
Rebuild flush valve for a urinal	20	9.00 Ea.	\$1,623.90	\$1,957.11	2.7500	2	2	\$3,914.23	\$3,914.23
Unplug line urinal	5	9.00 Ea.	\$1,305.65	\$1,632.85	11.0000	11	11	\$17,961.37	\$17,961.37
Replace wall-hung urinal	35	9.00 Ea.	\$8,719.77	\$10,521.95	1.5714	1	1	\$10,521.95	\$10,521.95
Replace washer in spud connection lavatory, vitreous china	7	20.00 Ea.	\$329.25	\$401.60	7.8571	7	7	\$2,811.20	\$2,811.20
Replace washer in faucet lavatory, vitreous china	2	20.00 Ea.	\$257.70	\$321.04	27.5000	27	27	\$8,667.98	\$8,667.98
Replace faucets lavatory, vitreous china	10	20.00 Ea.	\$3,634.52	\$4,375.11	5.5000	5	5	\$21,875.54	\$21,875.54
Replace lavatory, vitreous china	35	20.00 Ea.	\$13,451.49	\$16,164.42	1.5714	1	1	\$16,164.42	\$16,164.42
Replace faucet washer sink, iron enamel	2	4.00 Ea.	\$51.11	\$63.66	27.5000	27	27	\$1,718.92	\$1,718.92
Clean trap sink, iron enamel	3	4.00 Ea.	\$34.28	\$42.87	18.3333	18	18	\$771.74	\$771.74
Replace faucets sink, iron enamel	10	4.00 Ea.	\$726.90	\$875.02	5.5000	5	5	\$4,375.11	\$4,375.11
Unstop sink, iron enamel	2	4.00 Ea.	\$167.29	\$209.21	27.5000	27	27	\$5,648.65	\$5,648.65
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	4.00 Ea.	\$2,546.80	\$3,030.04	1.5714	1	1	\$3,030.04	\$3,030.04
Inspect and clean shower head emergency shower station	3	6.00 Ea.	\$296.36	\$370.63	18.3333	18	18	\$6,671.28	\$6,671.28
Replace shower emergency shower station	25	6.00 Ea.	\$5,651.79	\$6,774.69	2.2000	2	2	\$13,549.38	\$13,549.38
Inspect and clean spray heads, emergency eye wash	3	6.00 Ea.	\$296.36	\$370.63	18.3333	18	18	\$6,671.28	\$6,671.28
Replace eye wash station, emergency eye wash	25	6.00 Ea.	\$6,686.05	\$7,949.98	2.2000	2	2	\$15,899.96	\$15,899.96
Overhaul water heater, gas / oil, 70 gallon	5	2.00 Ea.	\$327.40	\$409.45	11.0000	11	11	\$4,503.98	\$4,503.98
Clean & service water heater, gas / oil, 70 gallon	1	2.00 Ea.	\$393.23	\$491.78	55.0000	55	55	\$27,047.77	\$27,047.77
Replace water heater, gas / oil, 70 gallon	12	2.00 Ea.	\$6,630.33	\$7,694.81	4.5833	4	4	\$30,779.24	\$30,779.24
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	2.00 Ea.	\$16.06	\$20.08	110.0000	110	110	\$2,208.65	\$2,208.65
Replace pump / motor assembly circulation pump, 1/12 HP	10	2.00 Ea.	\$2,201.15	\$2,579.99	5.5000	5	5	\$12,899.95	\$12,899.95
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$46.17	\$57.74	5.5000	5	5	\$288.68	\$288.68
Unclog floor drain, PVC	20	5.00 Ea.	\$238.98	\$298.87	2.7500	2	2	\$597.74	\$597.74
General maintenance & repair drain: roof, scupper, area	1	14.00 Ea.	\$517.83	\$647.60	55.0000	55	55	\$35,617.88	\$35,617.88
Replace drain: roof, scupper, area	40	14.00 Ea.	\$11,017.05	\$12,773.04	1.3750	1	1	\$12,773.04	\$12,773.04

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Install new 4" gasket, 1 per M.L.F. natural gas, steel/iron	30	1.00 Ea.	\$210.95	\$261.69	1.8333	1	1	\$261.69	\$261.69
Replace 10' of buried 4" diam steel pipe/M.L.F. natural gas	12	1.00 Ea.	\$930.64	\$1,130.78	4.5833	4	4	\$4,523.14	\$4,523.14
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,785.82	\$6,733.75	7.8571	7	7	\$47,136.22	\$47,136.22
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$39,838.14	\$46,620.21	1.8333	1	1	\$46,620.21	\$46,620.21
Repair cooling tower, 300 ton	10	1.00 Ea.	\$7,704.79	\$9,116.08	5.5000	5	4	\$45,580.38	\$36,464.31
Replace cooling tower, 300 ton	15	1.00 Ea.	\$41,240.80	\$47,726.42	3.6667	3	3	\$143,179.26	\$143,179.26
Repair water cooled chiller, 200 ton, reciprocating	10	1.00 Ea.	\$114,281.73	\$133,835.47	5.5000	5	3	\$669,177.33	\$401,506.40
Replace chiller, water cooled, 200 ton, reciprocating	20	1.00 Ea.	\$152,982.13	\$177,789.74	2.7500	2	2	\$355,579.48	\$355,579.48
Replace fan & motor, propeller exhaust, 375 CFM exhaust fan	15	2.00 Ea.	\$1,164.60	\$1,381.28	3.6667	3	3	\$4,143.85	\$4,143.85
Replace roof mounted exhaust fan, 20,300 CFM exhaust fan	20	1.00 Ea.	\$11,255.78	\$13,078.79	2.7500	2	2	\$26,157.57	\$26,157.57
Replace steam regulator valve 1-1/2" diameter	6	2.00 Ea.	\$10,131.44	\$11,533.36	9.1667	9	9	\$103,800.21	\$103,800.21
Repack gate valve gland, 2" - 3" valves	10	4.00 Ea.	\$148.15	\$177.24	5.5000	5	5	\$886.18	\$886.18
Repair circulator pump, 1 H.P.	5	1.00 Ea.	\$98.36	\$116.02	11.0000	11	8	\$1,276.18	\$928.13
Replace circulator. pump, 1 H.P.	15	1.00 Ea.	\$5,768.48	\$6,613.79	3.6667	3	3	\$19,841.37	\$19,841.37
Refill expansion tank	5	2.00 Ea.	\$29.66	\$37.09	11.0000	11	11	\$407.96	\$407.96
Replace expansion tank, 24 gal capacity	50	2.00 Ea.	\$3,689.54	\$4,226.67	1.1000	1	1	\$4,226.67	\$4,226.67
Maintenance and repair explosionproof industrial heater	2	6.00 Ea.	\$1,216.16	\$1,421.06	27.5000	27	26	\$38,368.72	\$36,947.65
Replace heater explosionproof industrial heater	15	6.00 Ea.	\$27,261.19	\$31,200.57	3.6667	3	3	\$93,601.72	\$93,601.72
Repair terminal reheat, 48" x 126" coil	10	2.00 Ea.	\$593.11	\$741.74	5.5000	5	5	\$3,708.71	\$3,708.71
Replace terminal reheat, 48" x 126" coil	15	2.00 Ea.	\$22,571.99	\$26,469.05	3.6667	3	3	\$79,407.15	\$79,407.15
Repair central station A.H.U., 63,000 CFM	10	2.00 Ea.	\$14,805.89	\$17,036.22	5.5000	5	4	\$85,181.08	\$68,144.87
Replace central station A.H.U., 63,000 CFM	15	2.00 Ea.	\$534,865.44	\$615,545.52	3.6667	3	3	\$1,846,636.57	\$1,846,636.57
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	100.00 Ea.	\$8,552.28	\$10,518.95	2.7500	2	2	\$21,037.90	\$21,037.90
Maintenance and repair motor starter, up to 600 V	5	8.00 Ea.	\$2,237.11	\$2,700.78	11.0000	11	11	\$29,708.63	\$29,708.63
Maintenance and inspection motor starter, up to 600 V	0.5	8.00 Ea.	\$431.85	\$541.04	110.0000	110	110	\$59,514.47	\$59,514.47
Replace starter motor starter, up to 600 V	18	8.00 Ea.	\$6,442.49	\$7,664.59	3.0556	3	3	\$22,993.78	\$22,993.78
Maintenance and inspection lighting panel, indoor	3	4.00 Ea.	\$162.58	\$203.69	18.3333	18	18	\$3,666.35	\$3,666.35
Maintenance and repair safety switch general, 2 pole	8	12.00 Ea.	\$487.73	\$611.06	6.8750	6	6	\$3,666.35	\$3,666.35
Maintenance and inspection safety switch, 2 pole	1	12.00 Ea.	\$487.73	\$611.06	55.0000	55	55	\$33,608.17	\$33,608.17
Replace safety switch, 240 V, 2 pole	25	12.00 Ea.	\$4,699.25	\$5,728.31	2.2000	2	2	\$11,456.62	\$11,456.62
Maintenance and repair receptacles and plugs	20	103.00 Ea.	\$4,351.07	\$5,432.08	2.7500	2	2	\$10,864.15	\$10,864.15
Replace 4-pin receptacle	20	65.00 Ea.	\$9,506.29	\$11,300.30	2.7500	2	2	\$22,600.61	\$22,600.61
Replace wiring devices, switches	15	46.00 Ea.	\$3,007.38	\$3,736.21	3.6667	3	3	\$11,208.62	\$11,208.62

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace fluorescent light fixture ballast, 80 W	10	28.00 Ea.	\$3,490.72	\$4,234.64	5.5000	5	5	\$21,173.21	\$21,173.21
Replace lamps (2 lamps), 4', 34 W energy saver	10	28.00 Ea.	\$705.99	\$884.21	5.5000	5	5	\$4,421.05	\$4,421.05
Replace metal halide ballast, 175 W	10	36.00 Ea.	\$5,345.44	\$6,418.84	5.5000	5	3	\$32,094.18	\$19,256.51
Replace metal halide fixture lamp, 175 W	5	36.00 Ea.	\$1,799.54	\$2,201.53	11.0000	11	11	\$24,216.85	\$24,216.85
Replace metal halide fixture, 175 W	20	36.00 Ea.	\$28,024.90	\$32,923.34	2.7500	2	2	\$65,846.69	\$65,846.69
Maintenance and repair master clock control	10	1.00 Ea.	\$191.92	\$230.28	5.5000	5	5	\$1,151.38	\$1,151.38
Repair smoke detector	10	45.00 Ea.	\$2,537.44	\$3,137.13	5.5000	5	4	\$15,685.66	\$12,548.53
Replace smoke detector	15	45.00 Ea.	\$12,790.68	\$15,275.79	3.6667	3	3	\$45,827.36	\$45,827.36
Repair heat detector	10	12.00 Ea.	\$736.53	\$904.61	5.5000	5	5	\$4,523.07	\$4,523.07
Replace heat detector	15	12.00 Ea.	\$2,051.57	\$2,508.49	3.6667	3	3	\$7,525.47	\$7,525.47
Check and repair manual pull station	10	4.00 Ea.	\$350.79	\$431.32	5.5000	5	4	\$2,156.61	\$1,725.28
Replace manual pull station	15	4.00 Ea.	\$813.87	\$979.76	3.6667	3	3	\$2,939.29	\$2,939.29
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	11.0000	11	11	\$2,005.02	\$2,005.02
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	110.0000	110	110	\$5,951.45	\$5,951.45
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.6667	3	3	\$7,175.76	\$7,175.76
Replace fire alarm bell, 6"	20	20.00 Ea.	\$3,899.24	\$4,705.51	2.7500	2	2	\$9,411.02	\$9,411.02
Maintenance and repair of general wiring lightning protection system	1	1.20 M.L.F.	\$116.07	\$143.79	55.0000	55	55	\$7,908.55	\$7,908.55
Replace lightning protection general wiring system	25	1.20 M.L.F.	\$13,210.95	\$15,715.19	2.2000	2	2	\$31,430.38	\$31,430.38
Maintenance and repair lightning ground rod	1	6.00 Ea.	\$527.33	\$658.72	55.0000	55	53	\$36,229.76	\$34,912.32
Replace lightning ground rod	25	6.00 Ea.	\$1,356.54	\$1,681.74	2.2000	2	2	\$3,363.49	\$3,363.49
Maintenance and repair transfer switch	5	1.00 Ea.	\$357.05	\$430.82	11.0000	11	11	\$4,739.00	\$4,739.00
Maintenance and inspection transfer switch	0.5	1.00 Ea.	\$40.64	\$50.92	110.0000	110	110	\$5,601.36	\$5,601.36
Replace lighting fixture with exit light L.E.D. standard	20	24.00 Ea.	\$4,380.68	\$5,326.65	2.7500	2	2	\$10,653.30	\$10,653.30
Replace 3'-9" x 5'-5" steel frame window - 2nd floor.	45	45.00 Ea.	\$76,654.84	\$88,452.79	1.2222	1	1	\$88,452.79	\$88,452.79
Repair steel, painted, door	14	7.00 Ea.	\$4,375.52	\$5,208.04	3.9286	3	3	\$15,624.12	\$15,624.12
Replace 3'-0" x 7'-0" steel, painted, door	45	7.00 Ea.	\$4,935.45	\$5,738.12	1.2222	1	1	\$5,738.12	\$5,738.12
Repair 12' x 12' steel roll-up door	10	4.00 Ea.	\$2,703.58	\$3,208.87	5.5000	5	5	\$16,044.34	\$16,044.34
Replace 12' x 12' steel roll-up door	35	4.00 Ea.	\$10,814.33	\$12,835.47	1.5714	1	1	\$12,835.47	\$12,835.47
Minor metal roof panel replacement, 2.5% of roof area	20	1,131.00 S.F.	\$12,924.62	\$15,350.02	2.7500	2	2	\$30,700.04	\$30,700.04
Total metal roof panel replacement	30	375.00 Sq.	\$316,929.98	\$375,381.09	1.8333	1	1	\$375,381.09	\$375,381.09
Repair steel painted interior door	14	7.00 Ea.	\$2,054.17	\$2,390.95	3.9286	3	3	\$7,172.84	\$7,172.84
Refinish 3'-0" x 7'-0" steel painted interior door	4	7.00 Ea.	\$368.10	\$453.50	13.7500	13	13	\$5,895.56	\$5,895.56
Repair solid core wood door, interior	11	6.00 Ea.	\$1,760.71	\$2,049.38	5.0000	5	5	\$10,246.92	\$10,246.92

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	6.00 Ea.	\$260.19	\$319.50	13.7500	13	12	\$4,153.47	\$3,833.98	
Replace 3'-0" x 7'-0" solid core wood door, interior	40	6.00 Ea.	\$2,936.56	\$3,394.86	1.3750	1	1	\$3,394.86	\$3,394.86	
Repair 5/8" drywall - (2% of walls)	20	500.00 S.F.	\$837.67	\$1,019.24	2.7500	2	2	\$2,038.49	\$2,038.49	
Office painting, 10' x 12', 10' high walls	5	10.00 Ea.	\$2,209.86	\$2,710.63	11.0000	11	11	\$29,816.95	\$29,816.95	
Replace flush valve diaphragm tankless water closet	10	18.00 Ea.	\$471.96	\$585.65	5.5000	5	5	\$2,928.23	\$2,928.23	
Repair clay brick wall, 1st floor	25	3,750.00 S.F.	\$161,162.30	\$197,791.75	2.2000	2	2	\$395,583.50	\$395,583.50	
Refinish steel louver, 1st floor	5	4.00 Ea.	\$388.15	\$481.62	11.0000	11	11	\$5,297.85	\$5,297.85	
Replace steel louver, 1st floor	40	4.00 Ea.	\$1,941.26	\$2,282.40	1.3750	1	1	\$2,282.40	\$2,282.40	
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	35.00 Ea.	\$10,440.63	\$12,264.63	2.7500	2	2	\$24,529.27	\$24,529.27	
Replace 3'-9" x 5'-5" steel frame window - 1st floor.	45	35.00 Ea.	\$57,990.04	\$66,771.98	1.2222	1	1	\$66,771.98	\$66,771.98	
Replace glass - 2nd floor (1% of glass) - steel frame window	1	8.20 S.F.	\$870.79	\$1,074.78	55.0000	55	55	\$59,112.83	\$59,112.83	
Repair 3'-9" x 5'-5" steel frame window - 2nd floor.	20	45.00 Ea.	\$15,519.89	\$18,371.93	2.7500	2	2	\$36,743.85	\$36,743.85	
			\$1,911,290.11	\$2,241,039.32				MR Subtotal	\$5,440,840.59	
									MR Per Year	\$98,801.94
									PM Total	\$17,461.13
									Subtotal	\$116,263.07
									Total Per Unit	\$2.54

FAC 2251 WEAPON PRODUCTION PLANT

SUC \$2.54

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 45700.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	4.00	1.04	\$58.37	\$43.00	\$0.00	\$101.37	\$120.10	\$141.76
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	7.00	2.74	\$100.25	\$101.90	\$0.00	\$202.15	\$242.75	\$288.35
Urinals, annualized	9.00	2.05	\$56.87	\$103.08	\$0.00	\$159.95	\$196.56	\$236.01
Toilet (vacuum breaker type), annualized	18.00	3.19	\$151.95	\$160.17	\$0.00	\$312.12	\$375.36	\$446.21
Lavatories, annualized	20.00	6.96	\$119.30	\$414.07	\$0.00	\$533.37	\$669.52	\$811.63
Drink fountain, annualized	7.00	4.34	\$145.08	\$218.93	\$0.00	\$364.01	\$444.19	\$531.63
Water heater, gas, to 120 gal., annualized	2.00	3.44	\$117.28	\$173.56	\$0.00	\$290.83	\$354.63	\$424.29
Boiler, hot water, oil, gas, or comb. fired, over 1000 MBH, annualized	1.00	19.70	\$77.34	\$1,189.35	\$0.00	\$1,266.69	\$1,631.23	\$1,999.64
Chiller, recip., water cooled, over 50 tons, annualized	1.00	10.91	\$17.79	\$656.35	\$0.00	\$674.14	\$872.82	\$1,072.39
Air handling unit, 25 thru 50 tons, annualized	2.00	3.88	\$758.25	\$195.58	\$0.00	\$953.83	\$1,088.33	\$1,260.74
Backflow prevention device, up to 4", annualized	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Backflow prevention device, over 4", annualized	2.00	0.99	\$26.79	\$59.03	\$0.00	\$85.82	\$106.21	\$127.93
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
Extinguishing system, deluge / preaction, annualized	1.00	11.59	\$68.24	\$691.59	\$0.00	\$759.83	\$974.13	\$1,191.84
Fire pump, electric motor driven, annualized	1.00	47.75	\$53.08	\$2,841.22	\$0.00	\$2,894.30	\$3,751.98	\$4,612.31
Panelboard, 225 A and above, annualized	8.00	3.53	\$185.58	\$232.06	\$0.00	\$417.64	\$505.82	\$603.28
Motor control center, over 400 A, annualized	1.00	0.39	\$23.20	\$25.90	\$0.00	\$49.10	\$59.19	\$70.44
Crane, electric bridge, up to 5 ton, annualized	3.00	8.75	\$515.70	\$308.57	\$0.00	\$824.27	\$968.41	\$1,138.33
						\$11,508.32	\$14,416.71	\$17,461.13

FAC 2251 WEAPON PRODUCTION PLANT

Modeled Component List CostWorks Release 2021 Qtr 3

D20 Plumbing

Tankless Water Closet	18.0 Ea.
Urinal	9.0 Ea.
Lavatory, Vitreous China	20.0 Ea.
Sink, Iron Enamel	4.0 Ea.
Emergency Shower Station	6.0 Ea.
Emergency Eye Wash	6.0 Ea.
Water Heater, Gas / Oil, 70 Gallon	2.0 Ea.
Circulation Pump, 1/12 HP	2.0 Ea.
Drain: Roof, Scupper, Area	14.0 Ea.

D30 HVAC

Boiler, Gas, 2000 MBH	1.0 Ea.
Cooling Tower, 300 ton	1.0 Ea.
Chiller, Water Cooled, Reciprocating, 200 ton	1.0 Ea.
Exhaust Fan, propeller exh., 4700 CFM	2.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 20300 CFM exhaust	1.0 Ea.
Steam Regulator	2.0 Ea.
Circulator Pump, 1 H.P.	1.0 Ea.
Explosionproof Industrial Heater	6.0 Ea.
Terminal Reheat Coil, 48" x 126"	2.0 Ea.
Central Station Air Conditioning Air Handling Unit, 63,000 CFM	2.0 Ea.

D40 Fire Protection

Sprinkler System, Fire Suppression, sprinkler head	100.0 Ea.
Fire Pump, Electric, annualized	1.0 Each

D50 Electrical

Motor Starter, Up To 600 V	8.0 Ea.
Load Center, 100 A, maintenance & inspection	4.0 Ea.
Safety Switch, General Duty, 240 V, 2 pole	12.0 Ea.
Metal Halide Fixture	36.0 Ea.
Smoke Detector	45.0 Ea.
Heat Detector	12.0 Ea.
Manual Pull Station	4.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	20.0 Ea.
Lightning Protection System	1.2 M.L.F.
Lightning Ground Rod	6.0 Ea.

B20 Exterior Enclosure

Steel Frame, Operating, 2nd floor	45.0 Ea.
Steel, Painted	7.0 Ea.
Steel Single, Roll-Up	4.0 Ea.
Steel Louver, 1st floor	4.0 Ea.
Steel Frame, Operating, 1st floor	35.0 Ea.

B30 Roofing

Metal Steep Roofing	375.0 Sq.
---------------------	-----------

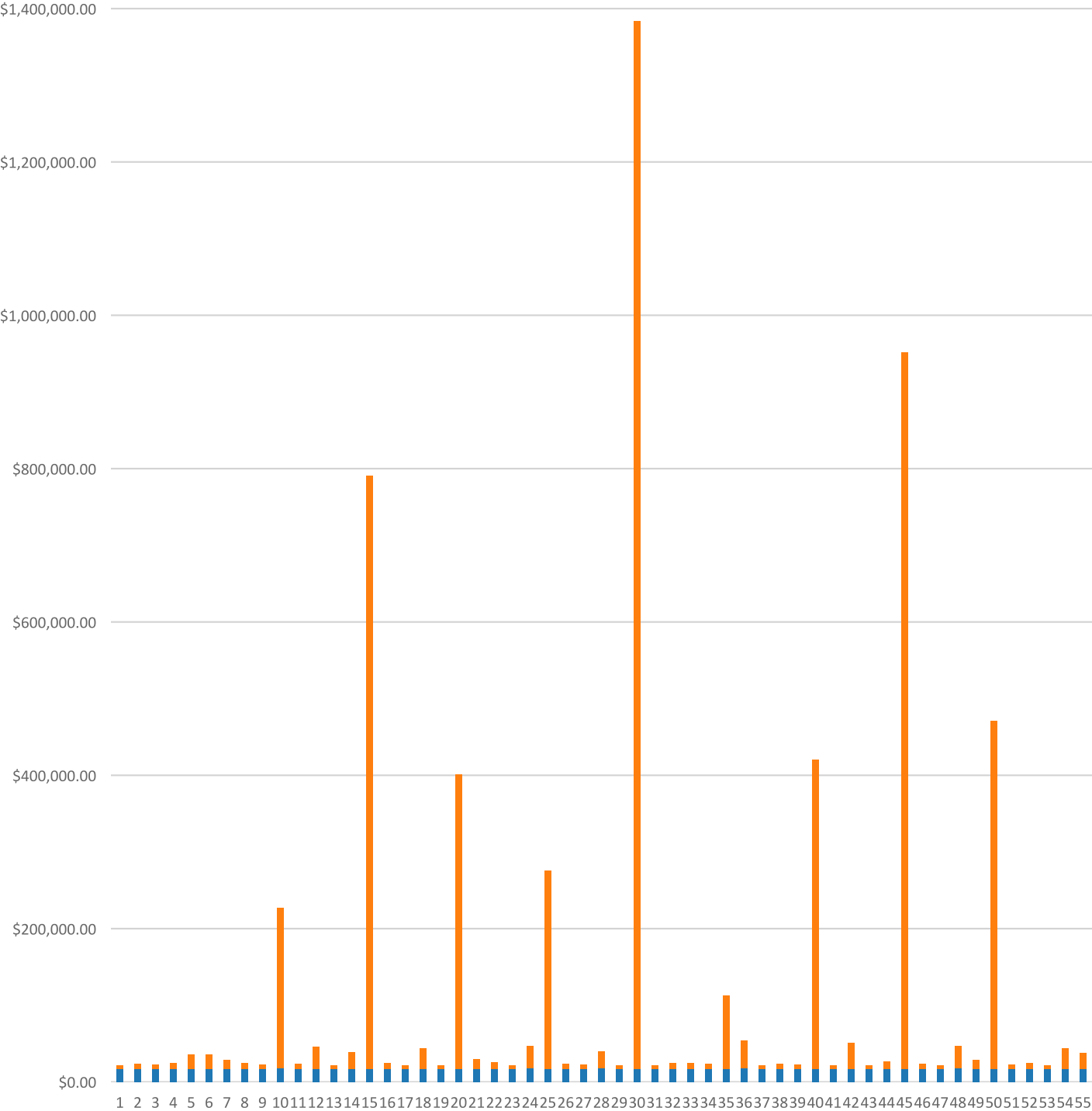
C10 Interior Construction

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

E10 Equipment

Crane, Electric, up to 5 ton, annualized	3.0 Each
--	----------

FAC 2251 WEAPON PRODUCTION PLANT
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost