

FAC 7218 RECRUIT-TRAINEE BARRACKS

FY24 SUC: \$6.72 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 7218 RECRUIT-TRAINEE BARRACKS

SUC \$6.72

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 55
Average Size 56043.0

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
Maintenance and repair of general wiring lightning protection system	1	17.00 M.L.F.	\$1,861.51	\$2,293.07	55.0000	55	55	\$126,119.10	\$126,119.10
Replace lightning protection general wiring system	25	17.00 M.L.F.	\$213,322.10	\$252,882.25	2.2000	2	2	\$505,764.50	\$505,764.50
Maintenance and repair lightning ground rod	1	12.00 Ea.	\$1,107.40	\$1,383.86	55.0000	55	53	\$76,112.23	\$73,344.51
Replace lightning ground rod	25	12.00 Ea.	\$2,947.26	\$3,644.06	2.2000	2	2	\$7,288.12	\$7,288.12
Replace lamp emergency lighting fixture	2	60.00 Ea.	\$3,269.57	\$3,951.30	27.5000	27	27	\$106,685.18	\$106,685.18
Replace emergency lighting fixture	20	60.00 Ea.	\$34,488.35	\$40,792.42	2.7500	2	2	\$81,584.85	\$81,584.85
Maintenance and repair exit light	20	60.00 Ea.	\$2,309.42	\$2,860.23	2.7500	2	2	\$5,720.47	\$5,720.47
Replace lamp exit light	5	60.00 Ea.	\$980.80	\$1,166.32	11.0000	11	11	\$12,829.49	\$12,829.49
Replace lighting fixture exit light	20	60.00 Ea.	\$10,563.90	\$12,810.42	2.7500	2	2	\$25,620.84	\$25,620.84
Repair concrete stairs	30	1,620.00 S.F.	\$53,047.63	\$61,338.77	1.8333	1	1	\$61,338.77	\$61,338.77
Repair 8" concrete block wall, 1st floor	25	11,440.00 S.F.	\$293,998.57	\$360,002.34	2.2000	2	2	\$720,004.67	\$720,004.67
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	14.50 S.F.	\$190.66	\$223.89	55.0000	55	55	\$12,313.80	\$12,313.80
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	242.00 Ea.	\$37,827.80	\$45,077.68	2.7500	2	2	\$90,155.36	\$90,155.36
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	242.00 Ea.	\$163,964.76	\$192,463.33	1.1000	1	1	\$192,463.33	\$192,463.33
Replace glass - 2nd floor (1% of glass) - alum. window fixed	1	14.50 S.F.	\$1,643.00	\$2,028.23	55.0000	55	55	\$111,552.92	\$111,552.92
Repair 2'-0" x 3'-0" aluminum window - 2nd floor	20	242.00 Ea.	\$49,947.28	\$60,134.65	2.7500	2	2	\$120,269.30	\$120,269.30
Replace 2'-0" x 3'-0" aluminum window - 2nd floor	50	242.00 Ea.	\$176,084.25	\$207,520.30	1.1000	1	1	\$207,520.30	\$207,520.30
Replace glass - 3rd floor (1% of glass) - alum. window fixed	1	14.50 S.F.	\$391.76	\$473.72	55.0000	55	55	\$26,054.60	\$26,054.60
Repair steel, painted, door	14	107.00 Ea.	\$75,149.78	\$89,258.60	3.9286	3	3	\$267,775.79	\$267,775.79
Refinish 3'-0" x 7'-0" steel, painted, door	4	107.00 Ea.	\$4,927.85	\$6,034.40	13.7500	13	13	\$78,447.14	\$78,447.14
Replace 3'-0" x 7'-0" steel, painted, door	45	107.00 Ea.	\$98,130.70	\$113,626.09	1.2222	1	1	\$113,626.09	\$113,626.09
Replace tempered glass - (3% of glass) steel painted door	1	1.00 S.F.	\$31.74	\$37.46	55.0000	55	55	\$2,060.50	\$2,060.50
Prepare and refinish 3'-0" x 7'-0" steel painted. door	4	4.00 Ea.	\$347.33	\$428.64	13.7500	13	13	\$5,572.34	\$5,572.34
Replace 3'-0" x 7'-0" steel, with wire glass, door	45	4.00 Ea.	\$6,938.96	\$8,038.65	1.2222	1	1	\$8,038.65	\$8,038.65
Debris removal and visual inspection of built-up roofing	0.5	30.80 M.S.F.	\$1,248.03	\$1,522.23	110.0000	110	110	\$167,445.26	\$167,445.26
Non-destructive moisture inspection of built-up roofing	5	30.80 M.S.F.	\$3,888.43	\$4,742.73	11.0000	11	11	\$52,170.05	\$52,170.05
Minor BUR membrane repairs, 2% of roof area	1	6.10 Sq.	\$3,245.26	\$3,847.89	55.0000	55	55	\$211,633.86	\$211,633.86
BUR flashing repairs, 2 S.F. per sq. repaired	1	12.30 S.F.	\$46.58	\$56.57	55.0000	55	55	\$3,111.60	\$3,111.60

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Minor BUR membrane replacement, 25% of roof area	15	77.20 Sq.	\$70,643.85	\$83,660.11	3.6667	3	3	\$250,980.34	\$250,980.34
Place new BUR membrane over existing	20	280.00 Sq.	\$148,758.91	\$175,305.65	2.7500	2	2	\$350,611.30	\$350,611.30
Total BUR roof replacement	28	280.00 Sq.	\$245,056.17	\$289,331.96	1.9643	1	1	\$289,331.96	\$289,331.96
Repair 8" concrete block wall - (2% of walls) painted	25	15.30 C.S.F.	\$17,517.18	\$21,069.51	2.2000	2	2	\$42,139.03	\$42,139.03
Refinish concrete block wall painted	4	768.00 C.S.F.	\$91,154.28	\$110,202.77	13.7500	13	13	\$1,432,635.95	\$1,432,635.95
Repair steel painted interior door	14	45.00 Ea.	\$12,554.48	\$14,655.70	3.9286	3	3	\$43,967.09	\$43,967.09
Refinish 3'-0" x 7'-0" steel painted interior door	4	45.00 Ea.	\$2,594.32	\$3,189.48	13.7500	13	13	\$41,463.21	\$41,463.21
Repair solid core wood door, interior	11	150.00 Ea.	\$41,848.25	\$48,852.33	5.0000	5	5	\$244,261.64	\$244,261.64
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	150.00 Ea.	\$6,602.23	\$8,135.67	13.7500	13	12	\$105,763.68	\$97,628.01
Replace 3'-0" x 7'-0" solid core wood door, interior	40	150.00 Ea.	\$84,982.53	\$98,114.67	1.3750	1	1	\$98,114.67	\$98,114.67
Repair concrete steps	15	1,000.00 S.F.	\$31,274.51	\$36,049.96	3.6667	3	3	\$108,149.88	\$108,149.88
Refinish metal stair railing, interior	7	300.00 S.F.	\$477.85	\$588.12	7.8571	7	7	\$4,116.86	\$4,116.86
Replace metal stair railing, interior	45	300.00 L.F.	\$13,992.35	\$16,374.17	1.2222	1	1	\$16,374.17	\$16,374.17
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	3.00 C.S.F.	\$2,414.76	\$2,923.96	5.5000	5	5	\$14,619.82	\$14,619.82
Refinish concrete floor finished	25	57.90 C.S.F.	\$24,119.82	\$29,101.62	2.2000	2	2	\$58,203.24	\$58,203.24
Replace vinyl tile flooring	18	1,230.00 S.Y.	\$62,839.72	\$77,332.17	3.0556	3	3	\$231,996.51	\$231,996.51
Replace carpet	8	16.60 S.Y.	\$896.34	\$1,036.55	6.8750	6	6	\$6,219.27	\$6,219.27
Acoustic tile repairs - (2% of ceilings)	9	4.90 C.S.F.	\$4,526.55	\$5,266.18	6.1111	6	6	\$31,597.09	\$31,597.09
Replace acoustic tile ceiling, fire-rated	20	247.80 C.S.F.	\$129,085.94	\$152,569.79	2.7500	2	2	\$305,139.58	\$305,139.58
Replace flush valve diaphragm tankless water closet	10	137.00 Ea.	\$3,735.17	\$4,638.28	5.5000	5	5	\$23,191.40	\$23,191.40
Rebuild flush valve tankless water closet	20	137.00 Ea.	\$26,287.71	\$31,683.85	2.7500	2	2	\$63,367.70	\$63,367.70
Unplug clogged line tankless water closet	5	137.00 Ea.	\$31,500.29	\$39,432.94	11.0000	11	11	\$433,762.34	\$433,762.34
Replace tankless water closet	35	137.00 Ea.	\$194,067.96	\$224,449.95	1.5714	1	1	\$224,449.95	\$224,449.95
Replace tankless flush valve	25	137.00 Ea.	\$37,023.25	\$43,458.82	2.2000	2	2	\$86,917.64	\$86,917.64
Replace wax ring gasket for tankless water closet	5	137.00 Ea.	\$20,435.54	\$25,557.83	11.0000	11	11	\$281,136.11	\$281,136.11
Replace flush valve diaphragm for a urinal	7	6.00 Ea.	\$163.58	\$203.14	7.8571	7	7	\$1,421.95	\$1,421.95
Rebuild flush valve for a urinal	20	6.00 Ea.	\$1,151.29	\$1,387.61	2.7500	2	2	\$2,775.23	\$2,775.23
Unplug line urinal	5	6.00 Ea.	\$915.85	\$1,146.49	11.0000	11	11	\$12,611.38	\$12,611.38
Replace wall-hung urinal	35	6.00 Ea.	\$6,525.12	\$7,848.28	1.5714	1	1	\$7,848.28	\$7,848.28
Replace washer in spud connection lavatory, vitreous china	7	137.00 Ea.	\$2,373.01	\$2,896.29	7.8571	7	7	\$20,274.05	\$20,274.05
Replace washer in faucet lavatory, vitreous china	2	137.00 Ea.	\$1,858.73	\$2,317.66	27.5000	27	27	\$62,576.72	\$62,576.72
Replace faucets lavatory, vitreous china	10	137.00 Ea.	\$26,779.67	\$32,211.64	5.5000	5	5	\$161,058.20	\$161,058.20
Clean out strainer and P trap lavatory, vitreous china	2	137.00 Ea.	\$5,044.16	\$6,314.43	27.5000	27	27	\$170,489.48	\$170,489.48

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Replace lavatory, vitreous china	35	137.00 Ea.	\$98,465.02	\$118,286.63	1.5714	1	1	\$118,286.63	\$118,286.63
Replace faucet washer sink, iron enamel	2	3.00 Ea.	\$40.35	\$50.31	27.5000	27	27	\$1,358.32	\$1,358.32
Clean trap sink, iron enamel	3	3.00 Ea.	\$27.02	\$33.82	18.3333	18	18	\$608.80	\$608.80
Replace faucets sink, iron enamel	10	3.00 Ea.	\$586.42	\$705.36	5.5000	5	5	\$3,526.82	\$3,526.82
Unstop sink, iron enamel	2	3.00 Ea.	\$132.03	\$165.28	27.5000	27	27	\$4,462.60	\$4,462.60
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	3.00 Ea.	\$3,625.29	\$4,227.83	5.5000	5	5	\$21,139.14	\$21,139.14
Inspect / clean shower head	3	125.00 Ea.	\$6,441.93	\$8,064.19	18.3333	18	18	\$145,155.45	\$145,155.45
Replace shower surface, ceramic tile	30	125.00 Ea.	\$114,559.67	\$139,210.66	1.8333	1	1	\$139,210.66	\$139,210.66
Check / minor repairs drinking fountain	1	6.00 Ea.	\$309.15	\$387.00	55.0000	55	55	\$21,285.03	\$21,285.03
Repair internal leaks drinking fountain	4	6.00 Ea.	\$286.61	\$358.78	13.7500	13	13	\$4,664.16	\$4,664.16
Correct water pressure drinking fountain	2	6.00 Ea.	\$264.06	\$330.56	27.5000	27	27	\$8,925.20	\$8,925.20
Replace refrigerant drinking fountain	2	6.00 Ea.	\$212.43	\$248.58	27.5000	27	27	\$6,711.61	\$6,711.61
Repair drain leak drinking fountain	4	6.00 Ea.	\$174.58	\$211.14	13.7500	13	11	\$2,744.77	\$2,322.50
Replace fountain drinking fountain	10	6.00 Ea.	\$9,724.88	\$11,425.81	5.5000	5	5	\$57,129.03	\$57,129.03
Resolder joint pipe & fittings, copper	10	2.00 Ea.	\$100.27	\$123.69	5.5000	5	5	\$618.45	\$618.45
Replace pipe and fittings, copper 3/4"	20	48.00 L.F.	\$1,199.86	\$1,454.21	2.7500	2	2	\$2,908.41	\$2,908.41
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$838.84	\$1,008.95	2.2000	2	2	\$2,017.90	\$2,017.90
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$103.05	\$129.00	27.5000	27	25	\$3,483.01	\$3,225.00
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$617.22	\$772.66	27.5000	27	27	\$20,861.75	\$20,861.75
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$40,152.67	\$46,253.95	2.7500	2	2	\$92,507.90	\$92,507.90
Insp/chk pump/mtr oper, lub, chk align circulation pump, CI 1-1/2 HP	0.5	3.00 Ea.	\$37.68	\$47.17	110.0000	110	110	\$5,188.23	\$5,188.23
Replace pump / motor assembly circulation pump, CI 1-1/2 HP	20	3.00 Ea.	\$10,139.01	\$11,709.00	2.7500	2	2	\$23,418.01	\$23,418.01
Replace pipe, 4" pipe and fittings, PVC	30	1,000.00 L.F.	\$82,942.63	\$102,377.44	1.8333	1	1	\$102,377.44	\$102,377.44
General maintenance & repair drain: roof, scupper, area	1	2.00 Ea.	\$78.36	\$98.09	55.0000	55	55	\$5,395.16	\$5,395.16
Replace drain: roof, scupper, area	40	2.00 Ea.	\$2,260.75	\$2,607.70	1.3750	1	1	\$2,607.70	\$2,607.70
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,734.80	\$6,685.15	7.8571	7	7	\$46,796.03	\$46,796.03
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$40,588.94	\$47,558.43	1.8333	1	1	\$47,558.43	\$47,558.43
Repair reciprocating chiller, air cooled, 20 ton	10	2.00 Ea.	\$90,540.31	\$104,498.72	5.5000	5	3	\$522,493.59	\$313,496.16
Replace chiller, air cooled, 20 ton	20	2.00 Ea.	\$79,543.86	\$93,148.48	2.7500	2	2	\$186,296.96	\$186,296.96
Repair chiller, air cooled, 100 ton chiller	10	2.00 Ea.	\$184,027.99	\$214,726.23	5.5000	5	5	\$1,073,631.17	\$1,073,631.17
Replace chiller, air cooled, 100 ton	20	2.00 Ea.	\$200,711.63	\$231,719.12	2.7500	2	2	\$463,438.24	\$463,438.24
Repair fan coil unit, 1 ton	10	12.00 Ea.	\$5,412.99	\$6,475.36	5.5000	5	4	\$32,376.78	\$25,901.42
Replace fan coil unit, 1 ton	15	12.00 Ea.	\$16,122.11	\$18,824.78	3.6667	3	3	\$56,474.35	\$56,474.35

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair circulator pump, 1/12 - 3/4 H.P.	5	4.00 Ea.	\$413.90	\$488.21	11.0000	11	8	\$5,370.28	\$3,905.66
Replace circulator pump, 1/12 - 3/4 H.P.	15	4.00 Ea.	\$15,184.19	\$17,504.13	3.6667	3	3	\$52,512.39	\$52,512.39
Refill expansion tank	5	1.00 Ea.	\$15.56	\$19.48	11.0000	11	11	\$214.33	\$214.33
Replace expansion tank, 60 gal capacity	50	1.00 Ea.	\$2,917.58	\$3,347.03	1.1000	1	1	\$3,347.03	\$3,347.03
Repair damaged pipe insulation, fiberglass 3/4"	5	16.00 Ea.	\$354.40	\$433.08	11.0000	11	11	\$4,763.89	\$4,763.89
Repair damaged pipe insulation, fiberglass 2"	5	16.00 Ea.	\$422.22	\$514.73	11.0000	11	11	\$5,662.01	\$5,662.01
Replace pipe insulation, fiberglass 3/4"	5	2.70 M.L.F.	\$24,460.75	\$29,770.93	11.0000	11	11	\$327,480.18	\$327,480.18
Replace pipe insulation, fiberglass 2"	5	2.70 M.L.F.	\$29,345.63	\$35,618.29	11.0000	11	11	\$391,801.15	\$391,801.15
Repair central station A.H.U., 16,000 CFM	10	4.00 Ea.	\$8,978.10	\$10,365.00	5.5000	5	4	\$51,825.01	\$41,460.01
Replace central station A.H.U., 16,000 CFM	15	4.00 Ea.	\$298,567.83	\$343,421.32	3.6667	3	3	\$1,030,263.95	\$1,030,263.95
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	55.0000	55	55	\$2,490.64	\$2,490.64
Replace sprinkler head	20	95.00 Ea.	\$8,326.55	\$10,274.43	2.7500	2	2	\$20,548.86	\$20,548.86
Maintenance and repair motor starter, up to 600 V	5	14.00 Ea.	\$3,679.48	\$4,472.92	11.0000	11	11	\$49,202.10	\$49,202.10
Maintenance and inspection motor starter, up to 600 V	0.5	14.00 Ea.	\$796.32	\$997.68	110.0000	110	110	\$109,744.59	\$109,744.59
Replace starter motor starter, up to 600 V	18	14.00 Ea.	\$11,774.31	\$14,010.45	3.0556	3	3	\$42,031.35	\$42,031.35
Maintenance and inspection lighting panel, indoor	3	3.00 Ea.	\$127.03	\$159.15	18.3333	18	18	\$2,864.76	\$2,864.76
Maintenance and repair receptacles and plugs	20	750.00 Ea.	\$33,032.41	\$41,236.38	2.7500	2	2	\$82,472.75	\$82,472.75
Replace receptacle/plug receptacles and plugs	20	750.00 Ea.	\$56,122.95	\$69,200.60	2.7500	2	2	\$138,401.20	\$138,401.20
Maintenance and repair wiring devices, switches	10	300.00 Ea.	\$13,212.97	\$16,494.55	5.5000	5	5	\$82,472.75	\$82,472.75
Replace wiring devices, switches	15	300.00 Ea.	\$20,004.37	\$24,902.05	3.6667	3	3	\$74,706.16	\$74,706.16
Maintenance and repair incandescent lighting fixtures	10	10.00 Ea.	\$673.34	\$804.48	5.5000	5	3	\$4,022.38	\$2,413.43
Replace incandescent lighting fixture lamp	5	10.00 Ea.	\$128.40	\$154.54	11.0000	11	11	\$1,699.91	\$1,699.91
Replace incandescent lighting fixture	20	10.00 Ea.	\$1,397.13	\$1,694.59	2.7500	2	2	\$3,389.19	\$3,389.19
Replace fluorescent light fixture ballast, 80 W	10	480.00 Ea.	\$50,210.95	\$61,915.59	5.5000	5	5	\$309,577.93	\$309,577.93
Replace lamps (2 lamps), 4', 34 W energy saver	10	480.00 Ea.	\$12,713.14	\$15,921.09	5.5000	5	5	\$79,605.43	\$79,605.43
Maintenance and repair master clock control	10	1.00 Ea.	\$190.55	\$229.41	5.5000	5	5	\$1,147.05	\$1,147.05
Check operation master clock control	1	1.00 Ea.	\$45.50	\$57.01	55.0000	55	55	\$3,135.56	\$3,135.56
Replace time control clock master clock	15	1.00 Ea.	\$284.18	\$339.13	3.6667	3	3	\$1,017.38	\$1,017.38
Repair smoke detector	10	120.00 Ea.	\$6,961.22	\$8,619.91	5.5000	5	4	\$43,099.53	\$34,479.63
Check operation smoke detector	1	120.00 Ea.	\$2,040.11	\$2,555.96	55.0000	55	55	\$140,577.59	\$140,577.59
Replace smoke detector	15	120.00 Ea.	\$36,306.29	\$43,346.21	3.6667	3	3	\$130,038.63	\$130,038.63
Check and repair manual pull station	10	6.00 Ea.	\$539.30	\$664.48	5.5000	5	4	\$3,322.41	\$2,657.92

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Replace manual pull station	15	6.00 Ea.	\$1,252.55	\$1,510.58	3.6667	3	3	\$4,531.73	\$4,531.73	
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	11.0000	11	11	\$2,008.55	\$2,008.55	
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	110.0000	110	110	\$6,271.12	\$6,271.12	
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	3.6667	3	3	\$8,026.42	\$8,026.42	
Minor repairs to annunciation panel	5	1.00 Ea.	\$149.42	\$182.60	11.0000	11	11	\$2,008.55	\$2,008.55	
Maintenance and inspection annunciation panel	0.5	1.00 Ea.	\$45.50	\$57.01	110.0000	110	110	\$6,271.12	\$6,271.12	
Replace annunciation panel	15	1.00 Ea.	\$1,125.25	\$1,357.42	3.6667	3	3	\$4,072.25	\$4,072.25	
Replace fire alarm bell, 6"	20	6.00 Ea.	\$1,083.64	\$1,318.63	2.7500	2	2	\$2,637.26	\$2,637.26	
Maintenance and repair building structure ground	7	12.00 M.L.F.	\$1,107.40	\$1,383.86	7.8571	7	7	\$9,687.01	\$9,687.01	
Replace building structure ground	50	12.00 M.L.F.	\$64,639.51	\$78,373.17	1.1000	1	1	\$78,373.17	\$78,373.17	
			\$4,298,161.60	\$5,096,548.17				MR Subtotal	\$14,925,418.73	
									MR Per Year	\$271,249.70
									PM Total	\$105,196.83
									Subtotal	\$376,446.53
									Total Per Unit	\$6.72

FAC 7218 RECRUIT-TRAINEE BARRACKS

SUC \$6.72

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 56043.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Water heater, steam 2500 gal., annualized	1.00	1.55	\$149.78	\$82.84	\$0.00	\$232.62	\$272.45	\$319.76
Boiler, hot water, oil, gas, or comb. fired, over 1000 MBH, annualized	1.00	19.70	\$88.55	\$1,242.60	\$0.00	\$1,331.15	\$1,712.78	\$2,098.85
Chiller, recip., air cooled, over 25 tons, annualized	4.00	51.55	\$382.54	\$3,261.28	\$0.00	\$3,643.82	\$4,660.45	\$5,696.22
Air handling unit, over 50 tons, annualized	4.00	13.10	\$1,072.72	\$697.60	\$0.00	\$1,770.32	\$2,086.87	\$2,457.06
Fan coil unit, annualized	18.00	60.08	\$1,475.50	\$3,217.68	\$0.00	\$4,693.18	\$5,806.03	\$6,992.66
VAV Boxes, annualized	200.00	186.80	\$2,175.80	\$11,772.00	\$0.00	\$13,947.80	\$17,696.98	\$21,554.95
Backflow prevention device, up to 4", annualized	1.00	0.33	\$14.02	\$20.93	\$0.00	\$34.94	\$42.62	\$51.01
Extinguishing system, wet pipe, annualized	1.00	11.34	\$49.59	\$710.68	\$0.00	\$760.27	\$978.43	\$1,199.07
Panelboard, 225 A and above, annualized	12.00	5.29	\$264.01	\$364.97	\$0.00	\$628.99	\$764.88	\$913.97
Light, emergency, dry cell, annualized	14.00	4.98	\$440.02	\$317.55	\$0.00	\$757.57	\$896.83	\$1,058.10
Circuit breaker, high voltage air, annualized	6.00	2.82	\$82.98	\$194.86	\$0.00	\$277.83	\$344.59	\$415.49
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$169.00	\$121.21	\$0.00	\$290.21	\$343.47	\$405.19
Door, emergency egress, swinging, annualized	30.00	7.80	\$502.91	\$344.50	\$0.00	\$847.41	\$1,001.05	\$1,179.83
Fire doors, swinging, annualized	10.00	3.92	\$156.65	\$154.56	\$0.00	\$311.21	\$373.25	\$443.11
Elevator, cable, electric, passenger / freight, annualized	4.00	191.58	\$13,399.80	\$17,112.50	\$0.00	\$30,512.30	\$36,986.03	\$44,129.75
Urinals, annualized	100.00	22.80	\$662.86	\$1,216.44	\$0.00	\$1,879.30	\$2,310.52	\$2,774.88
Lavatories, annualized	200.00	69.60	\$1,558.48	\$4,360.00	\$0.00	\$5,918.48	\$7,382.33	\$8,924.10
Showers, annualized	100.00	22.80	\$1,351.02	\$1,434.44	\$0.00	\$2,785.46	\$3,350.89	\$3,983.88
Drink fountain, annualized	6.00	3.72	\$224.66	\$198.82	\$0.00	\$423.48	\$505.59	\$598.94
						\$71,046.33	\$87,516.06	\$105,196.83

FAC 7218 RECRUIT-TRAINEE BARRACKS

Modeled Component List CostWorks Release 2023 Qtr 4

D50 Electrical

Lightning Protection System	17.0 M.L.F.
Lightning Ground Rod	12.0 Ea.
Emergency Lighting Fixture	60.0 Ea.
Exit Light	60.0 Ea.
Motor Starter, Up To 600 V	14.0 Ea.
Load Center, 100 A, maintenance & inspection	3.0 Ea.
Incandescent Lighting Fixtures	10.0 Ea.
Master Clock Control	1.0 Ea.
Smoke Detector	120.0 Ea.
Manual Pull Station	6.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Annunciation Panel	1.0 Ea.
Fire Alarm Bell	6.0 Ea.
Building Structure Ground	12.0 M.L.F.

B20 Exterior Enclosure

Aluminum Window, Fixed, 1st floor	242.0 Ea.
Aluminum Window, Fixed, 2nd floor	242.0 Ea.
Steel, Painted	107.0 Ea.
Steel, Painted, w/ wire glass	4.0 Ea.

B30 Roofing

Built-Up Roofing	280.0 Sq.
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C10 Interior Construction

Concrete Block, Painted	768.0 C.S.F.
Solid Core Interior Doors	150.0 Ea.
Fire Doors, Swinging, annualized	10.0 Each

C20 Stairs

Metal Interior Stair Railing	300.0 L.F.
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C30 Interior Finishes

Concrete, Finished	57.9 C.S.F.
Vinyl	1230.0 S.Y.
Carpet	16.6 S.Y.
Acoustic Tile, fire-rated	247.8 C.S.F.

D20 Plumbing

Tankless Water Closet	137.0 Ea.
Urinal	6.0 Ea.
Lavatory, Vitreous China	137.0 Ea.
Sink, Iron Enamel	3.0 Ea.
Shower, Misc.	125.0 Ea.
Drinking Fountain	6.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Circulation Pump, C.I. 1-1/2 HP	3.0 Ea.
Drain: Roof, Scupper, Area	2.0 Ea.

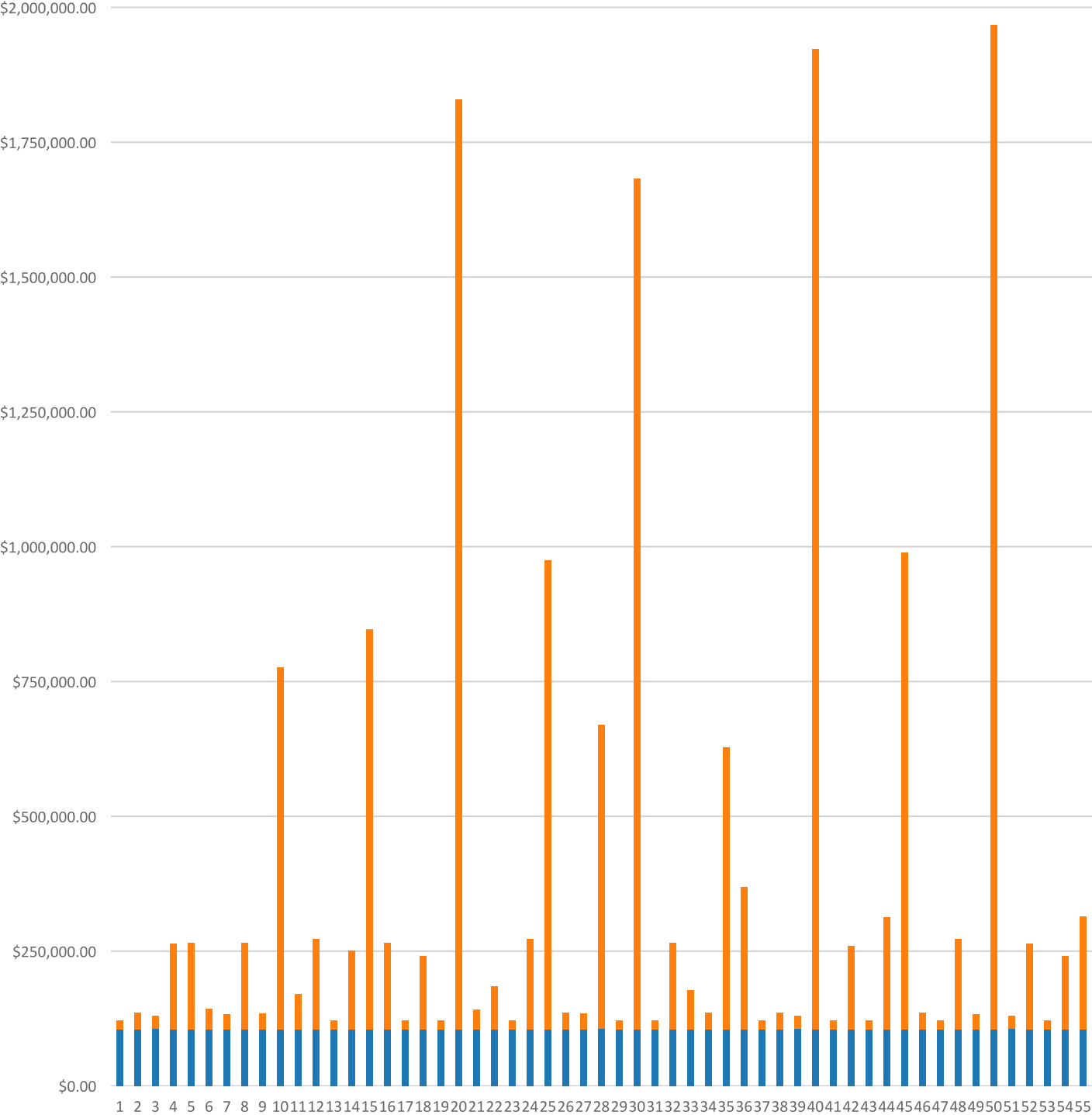
D30 HVAC

Boiler, Gas, 2000 MBH	1.0 Ea.
Chiller, Air Cooled, Reciprocating, 20 ton	2.0 Ea.
Chiller, Air Cooled, Reciprocating, 100 ton	2.0 Ea.
Fan Coil, 1 ton	12.0 Ea.
Circulator Pump, 1/12 - 3/4 H.P.	4.0 Ea.
Expansion Tank	1.0 Ea.
Central Station Air Conditioning Air Handling Unit, 16,000 CFM	4.0 Ea.
VAV Box	200.0 Each

D40 Fire Protection

Sprinkler System, Fire Suppression, sprinkler head	95.0 Ea.
D10 Conveying	
Elevator, cable annualized	4.0 Each

FAC 7218 RECRUIT-TRAINEE BARRACKS
Sustainment by Year
CostWorks Release 2023 Qtr 4



PM Cost
MR Cost