

FAC 7240 OFFICER UNACCOMPANIED PERSONNEL HOUSING

FY22 SUC: \$6.70 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 7240 OFFICER UNACCOMPANIED PERSONNEL HOUSING
SUC \$6.70

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type MR

Average Size 15457.0

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
Repair concrete stairs	30	90.00 S.F.	\$2,970.39	\$3,434.91	1.8333	1	1	\$3,434.91	\$3,434.91
Replace concrete stairs	75	90.00 S.F.	\$7,824.74	\$9,612.35	0.7333	0	0	\$0.00	\$0.00
Repair clay brick wall, 1st floor	25	720.00 S.F.	\$30,943.16	\$37,976.02	2.2000	2	2	\$75,952.03	\$75,952.03
Point clay brick wall, 1st floor	25	72.00 C.S.F.	\$58,184.22	\$71,797.48	2.2000	2	2	\$143,594.96	\$143,594.96
Point clay brick wall, 2nd floor	25	72.00 C.S.F.	\$61,011.89	\$75,301.00	2.2000	2	2	\$150,601.99	\$150,601.99
Replace glass - 1st floor. (1% of glass) - alum. window	1	3.80 S.F.	\$45.82	\$53.85	55.0000	55	55	\$2,961.87	\$2,961.87
Repair 3' x 4' aluminum window - 1st floor	20	64.00 Ea.	\$16,761.43	\$19,731.29	2.7500	2	2	\$39,462.58	\$39,462.58
Replace 3' x 4' aluminum window - 1st floor	50	64.00 Ea.	\$52,146.41	\$60,782.35	1.1000	1	1	\$60,782.35	\$60,782.35
Replace glass - 2nd floor. (1% of glass) - alum. window	1	3.80 S.F.	\$63.74	\$76.11	55.0000	55	55	\$4,185.98	\$4,185.98
Repair 3' x 4' aluminum window - 2nd floor	20	64.00 Ea.	\$19,742.73	\$23,433.49	2.7500	2	2	\$46,866.98	\$46,866.98
Replace 3' x 4' aluminum window - 2nd floor	50	64.00 Ea.	\$55,127.71	\$64,484.55	1.1000	1	1	\$64,484.55	\$64,484.55
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	0.50 S.F.	\$6.03	\$7.09	55.0000	55	55	\$389.72	\$389.72
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	8.00 Ea.	\$1,157.89	\$1,380.87	2.7500	2	2	\$2,761.74	\$2,761.74
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	8.00 Ea.	\$3,905.05	\$4,628.19	1.1000	1	1	\$4,628.19	\$4,628.19
Repair aluminum storefront door	12	4.00 Ea.	\$1,853.68	\$2,218.06	4.5833	4	4	\$8,872.23	\$8,872.23
Replace 3'-0" x 7'-0" aluminum storefront doors	50	4.00 Ea.	\$8,183.06	\$9,676.40	1.1000	1	1	\$9,676.40	\$9,676.40
Replace insulating glass - (3% of glass) aluminum storefront door	1	1.40 S.F.	\$72.65	\$84.98	55.0000	55	55	\$4,673.82	\$4,673.82
Repair steel, painted, door	14	4.00 Ea.	\$2,500.30	\$2,976.02	3.9286	3	3	\$8,928.07	\$8,928.07
Refinish 3'-0" x 7'-0" steel, painted, door	4	4.00 Ea.	\$165.60	\$203.46	13.7500	13	13	\$2,645.04	\$2,645.04
Replace 3'-0" x 7'-0" steel, painted, door	45	4.00 Ea.	\$2,820.26	\$3,278.92	1.2222	1	1	\$3,278.92	\$3,278.92
Replace tempered glass - (3% of glass) steel painted door	1	1.40 S.F.	\$31.64	\$37.80	55.0000	55	55	\$2,079.07	\$2,079.07
Debris removal and visual inspection of built-up roofing	0.5	10.46 M.S.F.	\$393.84	\$480.37	110.0000	110	110	\$52,840.97	\$52,840.97
Non-destructive moisture inspection of built-up roofing	5	10.46 M.S.F.	\$1,222.07	\$1,490.57	11.0000	11	11	\$16,396.24	\$16,396.24
Minor BUR membrane repairs, 2% of roof area	1	2.00 Sq.	\$968.27	\$1,149.02	55.0000	55	55	\$63,196.14	\$63,196.14
BUR flashing repairs, 2 S.F. per sq. repaired	1	4.00 S.F.	\$14.00	\$17.00	55.0000	55	55	\$934.76	\$934.76
Minor BUR membrane replacement, 25% of roof area	15	26.14 Sq.	\$21,041.19	\$24,976.67	3.6667	3	3	\$74,930.01	\$74,930.01
Total BUR roof replacement	28	104.59 Sq.	\$81,542.04	\$96,428.29	1.9643	1	1	\$96,428.29	\$96,428.29
Repair solid core wood door, interior	11	32.00 Ea.	\$9,390.47	\$10,930.05	5.0000	5	5	\$54,650.24	\$54,650.24
Replace 3'-0" x 7'-0" solid core wood door, interior	40	32.00 Ea.	\$15,661.67	\$18,105.92	1.3750	1	1	\$18,105.92	\$18,105.92
Repair masonry steps, painted	20	264.00 S.F.	\$4,881.04	\$5,902.07	2.7500	2	2	\$11,804.15	\$11,804.15
Replace masonry steps, painted	50	264.00 S.F.	\$57,911.00	\$70,893.16	1.1000	1	1	\$70,893.16	\$70,893.16

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Replace metal stair railing, interior	45	96.00 L.F.	\$4,123.75	\$4,826.87	1.2222	1	1	\$4,826.87	\$4,826.87
Repair medium weight vinyl wall covering - (2% of walls)	1	0.60 C.S.F.	\$163.13	\$194.11	55.0000	55	55	\$10,675.89	\$10,675.89
Replace medium weight vinyl wall covering	15	32.00 C.S.F.	\$10,861.23	\$13,039.88	3.6667	3	3	\$39,119.65	\$39,119.65
Repair 5/8" drywall - (2% of walls)	20	373.40 S.F.	\$625.57	\$761.17	2.7500	2	2	\$1,522.34	\$1,522.34
Refinish drywall	4	18,670.00 S.F.	\$11,593.72	\$14,262.20	13.7500	13	13	\$185,408.63	\$185,408.63
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	0.90 C.S.F.	\$738.85	\$890.33	5.5000	5	5	\$4,451.67	\$4,451.67
Refinish concrete floor finished	25	1.40 C.S.F.	\$590.56	\$709.35	2.2000	2	2	\$1,418.70	\$1,418.70
Ceramic tile floor repairs - (2% of floors)	15	0.20 C.S.F.	\$126.56	\$157.80	3.6667	3	3	\$473.40	\$473.40
Replace 2" x 2" thin set ceramic tile floor	50	8.20 C.S.F.	\$10,033.87	\$12,112.17	1.1000	1	1	\$12,112.17	\$12,112.17
Replace carpet	8	929.00 S.Y.	\$51,110.18	\$59,025.78	6.8750	6	6	\$354,154.69	\$354,154.69
Repair gypsum board ceiling - (2% of ceilings)	20	1.10 C.S.F.	\$398.39	\$489.09	2.7500	2	2	\$978.17	\$978.17
Refinish gypsum board ceiling, up to 12' high	20	54.00 C.S.F.	\$6,971.08	\$8,617.50	2.7500	2	1	\$17,235.00	\$8,617.50
Replace gypsum board ceiling, up to 12' high	40	54.00 C.S.F.	\$20,050.18	\$24,621.53	1.3750	1	1	\$24,621.53	\$24,621.53
Unplug clogged line flush-tank water closet	5	33.00 Ea.	\$7,207.04	\$9,013.19	11.0000	11	11	\$99,145.04	\$99,145.04
Replace washer / diaphragm in ball cock flush-tank water closet	5	33.00 Ea.	\$614.08	\$757.28	11.0000	11	11	\$8,330.13	\$8,330.13
Replace valve and ball cock assembly flush-tank water closet	15	33.00 Ea.	\$3,089.40	\$3,813.74	3.6667	3	3	\$11,441.21	\$11,441.21
Install gasket between tank and bowl flush-tank water closet	20	33.00 Ea.	\$1,373.97	\$1,706.18	2.7500	2	2	\$3,412.36	\$3,412.36
Replace two piece water closet flush-tank	35	33.00 Ea.	\$16,081.73	\$19,311.14	1.5714	1	1	\$19,311.14	\$19,311.14
Replace one piece water closet flush-tank	35	33.00 Ea.	\$40,817.06	\$47,419.46	1.5714	1	1	\$47,419.46	\$47,419.46
Replace washer in spud connection lavatory, vitreous china	7	33.00 Ea.	\$543.27	\$662.64	7.8571	7	7	\$4,638.49	\$4,638.49
Replace washer in faucet lavatory, vitreous china	2	33.00 Ea.	\$425.20	\$529.71	27.5000	27	27	\$14,302.17	\$14,302.17
Replace faucets lavatory, vitreous china	10	33.00 Ea.	\$5,996.95	\$7,218.93	5.5000	5	5	\$36,094.64	\$36,094.64
Clean out strainer and P trap lavatory, vitreous china	2	33.00 Ea.	\$1,150.69	\$1,439.06	27.5000	27	27	\$38,854.65	\$38,854.65
Replace lavatory, vitreous china	35	33.00 Ea.	\$22,194.96	\$26,671.29	1.5714	1	1	\$26,671.29	\$26,671.29
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$25.55	\$31.83	27.5000	27	27	\$859.46	\$859.46
Clean trap sink, iron enamel	3	2.00 Ea.	\$17.14	\$21.44	18.3333	18	18	\$385.87	\$385.87
Replace faucets sink, iron enamel	10	2.00 Ea.	\$363.45	\$437.51	5.5000	5	5	\$2,187.55	\$2,187.55
Unstop sink, iron enamel	2	2.00 Ea.	\$83.64	\$104.60	27.5000	27	27	\$2,824.33	\$2,824.33
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	2.00 Ea.	\$1,273.40	\$1,515.02	5.5000	5	5	\$7,575.10	\$7,575.10
Inspect / clean shower head bathtub, fiberglass	3	33.00 Ea.	\$1,629.96	\$2,038.45	18.3333	18	18	\$36,692.03	\$36,692.03
Replace mixing valve barrel bathtub, fiberglass	2	33.00 Ea.	\$9,325.48	\$10,966.54	27.5000	27	27	\$296,096.57	\$296,096.57
Replace mixing valve bathtub, fiberglass	10	33.00 Ea.	\$9,104.11	\$11,073.32	5.5000	5	5	\$55,366.60	\$55,366.60

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Replace bathtub, fiberglass	20	33.00 Ea.	\$47,416.05	\$55,818.97	2.7500	2	2	\$111,637.94	\$111,637.94
Check / minor repairs drinking fountain	1	1.00 Ea.	\$48.88	\$61.13	55.0000	55	55	\$3,362.29	\$3,362.29
Repair internal leaks drinking fountain	4	1.00 Ea.	\$45.08	\$56.38	13.7500	13	13	\$732.91	\$732.91
Correct water pressure drinking fountain	2	1.00 Ea.	\$41.82	\$52.30	27.5000	27	27	\$1,412.16	\$1,412.16
Replace refrigerant drinking fountain	2	1.00 Ea.	\$32.68	\$38.27	27.5000	27	27	\$1,033.27	\$1,033.27
Repair drain leak drinking fountain	4	1.00 Ea.	\$33.92	\$40.53	13.7500	13	11	\$526.95	\$445.88
Replace fountain drinking fountain	10	1.00 Ea.	\$1,281.16	\$1,514.56	5.5000	5	5	\$7,572.79	\$7,572.79
Resolder joint pipe & fittings, copper	10	2.00 Ea.	\$89.19	\$110.56	5.5000	5	5	\$552.79	\$552.79
Replace pipe and fittings, copper 3/4"	20	36.00 L.F.	\$937.94	\$1,129.77	2.7500	2	2	\$2,259.55	\$2,259.55
Replace pipe and fittings, copper 2"	25	18.00 L.F.	\$1,106.72	\$1,316.61	2.2000	2	2	\$2,633.22	\$2,633.22
Remove old insulation & replace with new, pipe 3/4", wall 1"	15	4,500.00 L.F.	\$37,612.42	\$46,449.52	3.6667	3	3	\$139,348.56	\$139,348.56
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$98.31	\$122.94	27.5000	27	25	\$3,319.50	\$3,073.61
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$41,525.47	\$47,777.51	2.7500	2	2	\$95,555.02	\$95,555.02
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	1.00 Ea.	\$8.03	\$10.04	110.0000	110	110	\$1,104.33	\$1,104.33
Replace pump / motor assembly circulation pump, 1/12 HP	10	1.00 Ea.	\$1,100.58	\$1,290.00	5.5000	5	5	\$6,449.98	\$6,449.98
Insp./chk. pump/mtr. oper., lub., chk. align. circulation pump, 1/2 HP	1	1.00 Ea.	\$11.95	\$14.94	55.0000	55	55	\$821.89	\$821.89
Replace pump / motor assembly, partial circulation pump, 1/2 HP	20	1.00 Ea.	\$3,822.30	\$4,402.23	2.7500	2	2	\$8,804.46	\$8,804.46
Remove old meter, install new water meter 4"	25	1.00 Ea.	\$6,100.56	\$7,089.44	2.2000	2	2	\$14,178.89	\$14,178.89
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$46.17	\$57.74	5.5000	5	5	\$288.68	\$288.68
Replace pipe & fittings, cast iron, 4"	40	900.00 L.F.	\$60,252.36	\$72,321.92	1.3750	1	1	\$72,321.92	\$72,321.92
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	2.7500	2	2	\$119.55	\$119.55
Unclog 4" - 12" diameter PVC main drain per L.F.	10	0.40 L.F.	\$1.52	\$1.90	5.5000	5	5	\$9.48	\$9.48
Repair joint pipe and fittings, PVC	10	1.00 Ea.	\$151.29	\$188.00	5.5000	5	5	\$940.00	\$940.00
Replace pipe, 4" pipe and fittings, PVC	30	400.00 L.F.	\$32,635.59	\$40,153.67	1.8333	1	1	\$40,153.67	\$40,153.67
General maintenance & repair drain: roof, scupper, area	1	2.00 Ea.	\$73.98	\$92.51	55.0000	55	55	\$5,088.27	\$5,088.27
Replace drain: roof, scupper, area	40	2.00 Ea.	\$1,573.86	\$1,824.72	1.3750	1	1	\$1,824.72	\$1,824.72
Repair boiler, gas/oil, 2000 MBH	7	1.00 Ea.	\$6,345.19	\$7,398.32	7.8571	7	7	\$51,788.23	\$51,788.23
Replace boiler, gas/oil, 2000 MBH	30	1.00 Ea.	\$58,622.30	\$68,015.49	1.8333	1	1	\$68,015.49	\$68,015.49
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$129.05	\$149.45	3.6667	3	3	\$448.36	\$448.36
Repair reciprocating chiller, air cooled, 50 ton	10	1.00 Ea.	\$57,771.66	\$67,630.76	5.5000	5	5	\$338,153.79	\$338,153.79
Replace chiller, air cooled, 50 ton	20	1.00 Ea.	\$64,270.84	\$74,812.79	2.7500	2	2	\$149,625.58	\$149,625.58

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Repair fan coil unit, 5 ton	10	6.00 Ea.	\$3,187.38	\$3,792.54	5.5000	5	4	\$18,962.68	\$15,170.15
Replace fan coil unit, 5 ton	15	6.00 Ea.	\$15,737.36	\$18,251.94	3.6667	3	3	\$54,755.82	\$54,755.82
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	104.00 Ea.	\$8,894.37	\$10,939.71	2.7500	2	2	\$21,879.42	\$21,879.42
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$710.41	\$851.09	55.0000	55	55	\$46,810.15	\$46,810.15
Repair 500 kva transformer, primary, liquid filled	10	1.00 Ea.	\$2,815.73	\$3,237.05	5.5000	5	5	\$16,185.26	\$16,185.26
Replace transformer 500 KVA, liquid filled	30	1.00 Ea.	\$27,324.93	\$31,625.18	1.8333	1	1	\$31,625.18	\$31,625.18
Repair switchgear 1200 A mainframe	5	1.00 Ea.	\$1,904.54	\$2,227.57	11.0000	11	9	\$24,503.32	\$20,048.17
Maintenance and inspection switchgear, mainframe	1	1.00 Ea.	\$64.78	\$81.16	55.0000	55	55	\$4,463.59	\$4,463.59
Replace switchgear 1200 A mainframe	20	1.00 Ea.	\$4,350.12	\$5,225.48	2.7500	2	2	\$10,450.95	\$10,450.95
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$559.28	\$675.20	11.0000	11	11	\$7,427.16	\$7,427.16
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$107.96	\$135.26	110.0000	110	110	\$14,878.62	\$14,878.62
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,610.62	\$1,916.15	3.0556	3	3	\$5,748.45	\$5,748.45
Maintenance and repair safety switch general, 2 pole	8	1.00 Ea.	\$40.64	\$50.92	6.8750	6	6	\$305.53	\$305.53
Maintenance and inspection safety switch, 2 pole	1	1.00 Ea.	\$40.64	\$50.92	55.0000	55	55	\$2,800.68	\$2,800.68
Replace safety switch, 240 V, 2 pole	25	1.00 Ea.	\$391.60	\$477.36	2.2000	2	2	\$954.72	\$954.72
Replace low voltage cartridge safety switch	50	1.00 Ea.	\$57.52	\$69.10	1.1000	1	1	\$69.10	\$69.10
Replace plug fuse safety switch	25	1.00 Ea.	\$23.94	\$29.46	2.2000	2	2	\$58.93	\$58.93
Maintenance and repair receptacles and plugs	20	164.00 Ea.	\$6,927.92	\$8,649.13	2.7500	2	2	\$17,298.26	\$17,298.26
Replace receptacle/plug receptacles and plugs	20	164.00 Ea.	\$11,800.71	\$14,546.25	2.7500	2	2	\$29,092.50	\$29,092.50
Maintenance and repair wiring devices, switches	10	80.00 Ea.	\$3,379.47	\$4,219.09	5.5000	5	5	\$21,095.44	\$21,095.44
Replace wiring devices, switches	15	80.00 Ea.	\$5,230.22	\$6,497.75	3.6667	3	3	\$19,493.25	\$19,493.25
Maintenance and repair incandescent lighting fixtures	10	78.00 Ea.	\$5,371.52	\$6,394.83	5.5000	5	3	\$31,974.16	\$19,184.50
Replace incandescent lighting fixture lamp	5	78.00 Ea.	\$895.61	\$1,081.68	11.0000	11	11	\$11,898.47	\$11,898.47
Replace incandescent lighting fixture	20	78.00 Ea.	\$10,955.84	\$13,241.75	2.7500	2	2	\$26,483.49	\$26,483.49
Replace fluorescent light fixture ballast, 80 W	10	78.00 Ea.	\$9,724.14	\$11,796.50	5.5000	5	3	\$58,982.52	\$35,389.51
Replace lamps (2 lamps), 4', 34 W energy saver	10	78.00 Ea.	\$1,966.69	\$2,463.16	5.5000	5	5	\$12,315.78	\$12,315.78
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	78.00 Ea.	\$17,740.09	\$21,638.38	2.7500	2	2	\$43,276.76	\$43,276.76
Replace metal halide ballast, 175 W	10	16.00 Ea.	\$2,375.75	\$2,852.82	5.5000	5	3	\$14,264.08	\$8,558.45
Replace metal halide fixture lamp, 175 W	5	16.00 Ea.	\$799.80	\$978.46	11.0000	11	11	\$10,763.05	\$10,763.05
Replace metal halide fixture, 175 W	20	16.00 Ea.	\$12,455.51	\$14,632.60	2.7500	2	2	\$29,265.19	\$29,265.19
Repair smoke detector	10	36.00 Ea.	\$2,029.95	\$2,509.71	5.5000	5	4	\$12,548.53	\$10,038.83

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Check operation smoke detector	1	36.00 Ea.	\$582.99	\$730.40	55.0000	55	55	\$40,172.27	\$40,172.27	
Replace smoke detector	15	36.00 Ea.	\$10,232.54	\$12,220.63	3.6667	3	3	\$36,661.89	\$36,661.89	
Check and repair manual pull station	10	6.00 Ea.	\$526.18	\$646.98	5.5000	5	4	\$3,234.91	\$2,587.93	
Replace manual pull station	15	6.00 Ea.	\$1,220.81	\$1,469.65	3.6667	3	3	\$4,408.94	\$4,408.94	
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	2.00 Ea.	\$389.92	\$470.55	2.7500	2	2	\$941.10	\$941.10	
Replace lamp emergency lighting fixture	2	4.00 Ea.	\$218.76	\$263.50	27.5000	27	27	\$7,114.57	\$7,114.57	
Replace emergency lighting fixture	20	4.00 Ea.	\$2,409.47	\$2,839.05	2.7500	2	2	\$5,678.09	\$5,678.09	
Maintenance and repair exit light	20	4.00 Ea.	\$148.81	\$184.01	2.7500	2	2	\$368.03	\$368.03	
Replace lamp exit light	5	4.00 Ea.	\$67.39	\$79.85	11.0000	11	11	\$878.39	\$878.39	
Replace lighting fixture exit light	20	4.00 Ea.	\$764.14	\$919.04	2.7500	2	2	\$1,838.09	\$1,838.09	
			\$1,358,699.56	\$1,619,623.27				MR Subtotal	\$4,256,115.86	
									MR Per Year	\$77,383.92
									PM Total	\$26,199.27
									Subtotal	\$103,583.19
									Total Per Unit	\$6.70

FAC 7240 OFFICER UNACCOMPANIED PERSONNEL HOUSING

SUC \$6.70

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 15457.0

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
Toilet (vacuum breaker type), annualized	32.00	5.66	\$270.14	\$284.74	\$0.00	\$554.88	\$667.31	\$793.26
Lavatories, annually	32.00	2.78	\$190.88	\$166.33	\$0.00	\$357.21	\$426.20	\$504.73
Showers, annually	32.00	1.82	\$412.49	\$108.82	\$0.00	\$521.31	\$595.20	\$689.72
Drink fountain, annualized	1.00	0.62	\$20.73	\$31.28	\$0.00	\$52.00	\$63.46	\$75.95
Valve, check, above 4", annualized	16.00	4.11	\$93.82	\$207.21	\$0.00	\$301.03	\$372.58	\$448.81
Valve, gate, above 4", annualized	2.00	0.32	\$11.73	\$16.03	\$0.00	\$27.76	\$33.74	\$40.31
Water heater, steam 2500 gal., annualized	1.00	1.55	\$143.56	\$77.97	\$0.00	\$221.53	\$259.28	\$304.20
Boiler, hot water, oil, gas, or comb. fired, over 1000 MBH, annualized	2.00	39.40	\$154.68	\$2,378.70	\$0.00	\$2,533.38	\$3,262.46	\$3,999.27
Chiller, centrif., water cooled, up to 100 tons, annualized	2.00	53.54	\$166.81	\$3,215.65	\$0.00	\$3,382.47	\$4,363.84	\$5,353.56
VAV Boxes, annualized	12.00	11.21	\$115.25	\$676.61	\$0.00	\$791.86	\$1,006.37	\$1,226.64
Fire dampers, annualized	2.00	2.31	\$18.30	\$139.20	\$0.00	\$157.50	\$201.09	\$245.59
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
Light, emergency, hardwired system, annualized	1.00	0.25	\$7.73	\$14.76	\$0.00	\$22.50	\$27.70	\$33.29
Disposal, garbage, electric, annualized	26.00	39.62	\$424.59	\$1,352.68	\$0.00	\$1,777.27	\$2,225.53	\$2,695.02
Oven, convection, gas / electric, annualized	12.00	134.90	\$495.07	\$4,592.64	\$0.00	\$5,087.71	\$6,515.01	\$7,967.06
Refrigerator, domestic, annualized	26.00	6.08	\$141.83	\$207.57	\$0.00	\$349.39	\$425.85	\$509.39
						\$16,985.78	\$21,522.67	\$26,199.27

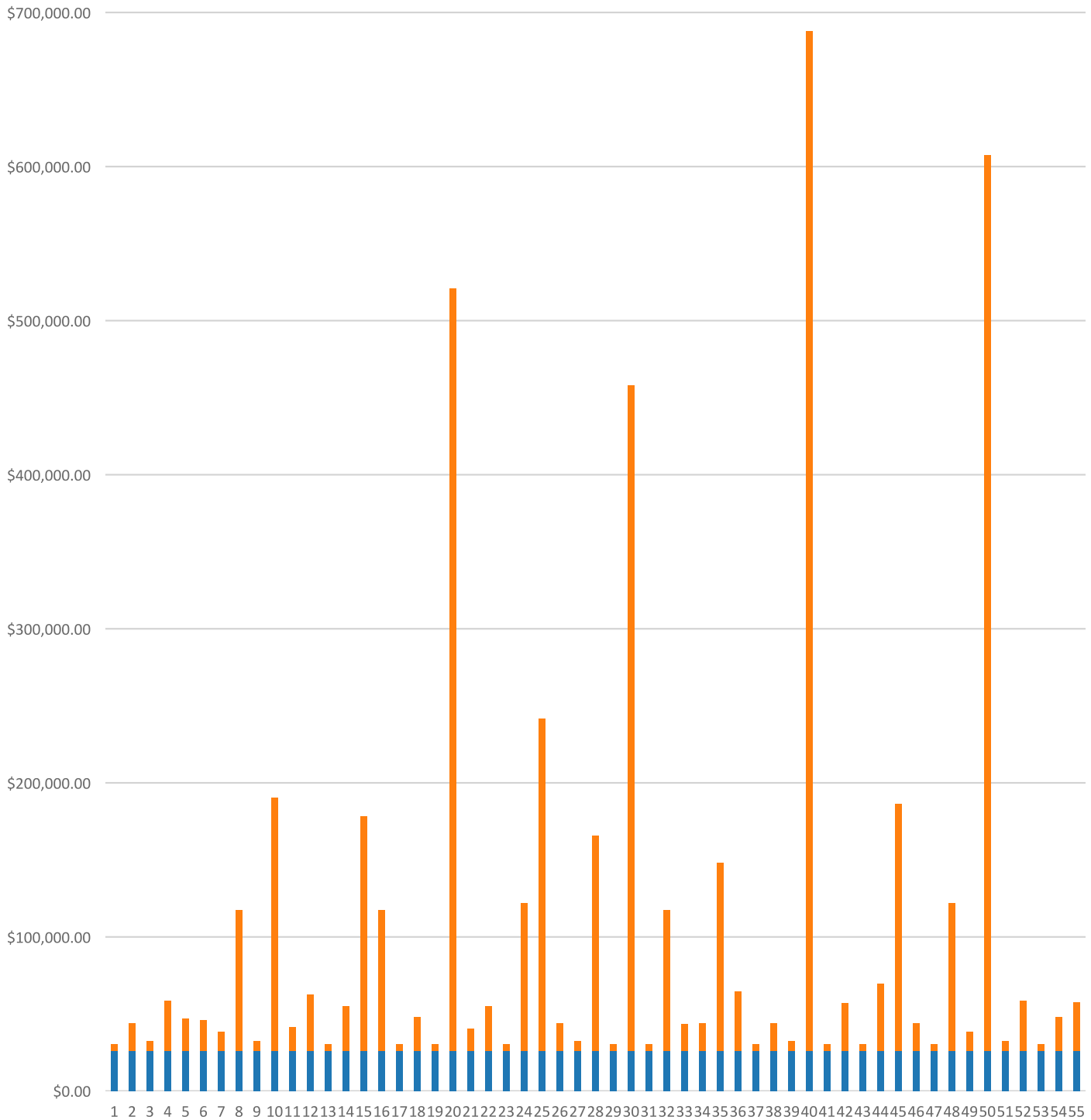
FAC 7240 OFFICER UNACCOMPANIED PERSONNEL HOUSING

Modeled Component List CostWorks Release 2021 Qtr 3

B10 Superstructure	
Concrete Stairs	90.0 S.F.
B20 Exterior Enclosure	
Aluminum Window, Operating, 1st floor	64.0 Ea.
Aluminum Window, Operating, 2nd floor	64.0 Ea.
Aluminum Window, Fixed, 1st floor	8.0 Ea.
Glazed Aluminum	4.0 Ea.
Steel, Painted	4.0 Ea.
B30 Roofing	
Built-Up Roofing	104.588 Sq.
C10 Interior Construction	
Solid Core Interior Doors	32.0 Ea.
C20 Stairs	
Masonry Steps, Painted	264.0 S.F.
Metal Interior Stair Railing	96.0 L.F.
C30 Interior Finishes	
Vinyl Wall Covering	32.0 C.S.F.
Concrete, Finished	1.4 C.S.F.
Carpet	929.0 S.Y.
Gypsum Wall Board	54.0 C.S.F.
D20 Plumbing	
Flush-Tank Water Closet	33.0 Ea.
Flush-Tank Water Closet	33.0 Ea.
Lavatory, Vitreous China	33.0 Ea.
Sink, Iron Enamel	2.0 Ea.
Bathtub, Fiberglass	33.0 Ea.
Drinking Fountain	1.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Circulation Pump, 1/12 HP	1.0 Ea.
Circulation Pump, 1/2 HP	1.0 Ea.
Drain: Roof, Scupper, Area	2.0 Ea.
Valve Gate	2.0 Each
D30 HVAC	
Boiler, Gas/Oil, 2000 MBH	1.0 Ea.
Metal Flue / Chimney, 6" diameter	1.0 L.F.
Chiller, Air Cooled, Reciprocating, 50 ton	1.0 Ea.
Fan Coil, 5 ton	6.0 Ea.
VAV Box	12.0 Each
D40 Fire Protection	
Sprinkler System, Fire Supression, sprinkler head	104.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
D50 Electrical	
Switchgear, Mainframe	1.0 Ea.
Motor Starter, Up To 600 V	2.0 Ea.
Safety Switch, General Duty, 240 V, 2 pole	1.0 Ea.
Incandescent Lighting Fixtures	78.0 Ea.
Fluorescent Lighting Fixture	78.0 Ea.
Metal Halide Fixture	16.0 Ea.
Smoke Detector	36.0 Ea.
Manual Pull Station	6.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	2.0 Ea.

Emergency Lighting Fixture	4.0 Ea.
Exit Light	4.0 Ea.
E10 Equipment	
Garbage Disposal, annualized	26.0 Each

FAC 7240 OFFICER UNACCOMPANIED PERSONNEL HOUSING
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost