

FAC 7333 OPEN MESS AND CLUB FACILITY

FY22 SUC: \$6.86 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 7333 OPEN MESS AND CLUB FACILITY

SUC \$6.86

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 45
Average Size 13988.0

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
Non-destructive moisture inspection of built-up roofing	5	6.30 M.S.F.	\$736.19	\$897.93	9.0000	9	9	\$8,081.39	\$8,081.39
Minor BUR membrane repairs, 2% of roof area	1	1.20 Sq.	\$580.96	\$689.41	45.0000	45	45	\$31,023.56	\$31,023.56
BUR flashing repairs, 2 S.F. per sq. repaired	1	2.50 S.F.	\$8.75	\$10.62	45.0000	45	45	\$478.00	\$478.00
Minor BUR membrane replacement, 25% of roof area	15	15.80 Sq.	\$12,715.66	\$15,093.95	3.0000	3	3	\$45,281.86	\$45,281.86
Place new BUR membrane over existing	20	63.50 Sq.	\$30,797.04	\$36,308.65	2.2500	2	2	\$72,617.29	\$72,617.29
Total BUR roof replacement	28	63.50 Sq.	\$49,507.78	\$58,545.88	1.6071	1	1	\$58,545.88	\$58,545.88
Repair solid core wood door, interior	11	16.00 Ea.	\$4,695.24	\$5,465.02	4.0909	4	4	\$21,860.10	\$21,860.10
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	16.00 Ea.	\$693.84	\$851.99	11.2500	11	10	\$9,371.94	\$8,519.95
Replace 3'-0" x 7'-0" solid core wood door, interior	40	16.00 Ea.	\$7,830.84	\$9,052.96	1.1250	1	1	\$9,052.96	\$9,052.96
Repair wallpaper - (2% of walls)	8	3.50 S.Y.	\$84.37	\$99.88	5.6250	5	5	\$499.40	\$499.40
Replace wallpaper	20	177.70 S.Y.	\$6,361.95	\$7,655.45	2.2500	2	2	\$15,310.89	\$15,310.89
Repair 5/8" drywall - (2% of walls)	20	144.00 S.F.	\$241.25	\$293.54	2.2500	2	2	\$587.08	\$587.08
Refinish drywall	4	5.00 S.F.	\$3.10	\$3.82	11.2500	11	11	\$42.02	\$42.02
Replace 5/8" drywall	75	5.00 S.F.	\$11.65	\$14.26	0.6000	0	0	\$0.00	\$0.00
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	0.10 C.S.F.	\$82.09	\$98.93	4.5000	4	4	\$395.70	\$395.70
Replace 4" x 4" thin set ceramic tile	75	8.00 C.S.F.	\$7,098.49	\$8,576.62	0.6000	0	0	\$0.00	\$0.00
Repair plywood paneling - (2% of walls)	10	0.60 C.S.F.	\$253.11	\$304.53	4.5000	4	4	\$1,218.10	\$1,218.10
Refinish plywood paneling	10	30.00 C.S.F.	\$3,082.14	\$3,804.27	4.5000	4	4	\$15,217.07	\$15,217.07
Replace plywood paneling	30	30.00 C.S.F.	\$14,696.08	\$17,760.14	1.5000	1	1	\$17,760.14	\$17,760.14
Refinish concrete floor finished	25	3.20 C.S.F.	\$1,349.85	\$1,621.38	1.8000	1	1	\$1,621.38	\$1,621.38
Quarry tile floor repairs - (2% of floors)	15	19.00 S.F.	\$120.23	\$149.91	3.0000	3	3	\$449.73	\$449.73
Replace quarry tile floor	50	950.00 S.F.	\$11,624.61	\$14,032.39	0.9000	0	0	\$0.00	\$0.00
Replace carpet	8	850.00 S.Y.	\$46,763.89	\$54,006.37	5.6250	5	5	\$270,031.84	\$270,031.84
Repair plaster ceiling - (2% of ceilings)	12	14.10 S.Y.	\$778.02	\$951.76	3.7500	3	3	\$2,855.28	\$2,855.28
Refinish plaster ceiling	10	505.00 S.Y.	\$5,713.43	\$7,061.69	4.5000	4	4	\$28,246.76	\$28,246.76
Replace plaster ceiling	75	505.00 S.Y.	\$30,834.48	\$37,776.33	0.6000	0	0	\$0.00	\$0.00
Replace flush valve diaphragm tankless water closet	10	11.00 Ea.	\$288.42	\$357.89	4.5000	4	4	\$1,431.58	\$1,431.58
Rebuild flush valve tankless water closet	20	11.00 Ea.	\$1,984.77	\$2,392.03	2.2500	2	2	\$4,784.06	\$4,784.06
Unplug clogged line tankless water closet	5	11.00 Ea.	\$2,402.35	\$3,004.40	9.0000	9	9	\$27,039.56	\$27,039.56
Replace tankless water closet	35	11.00 Ea.	\$14,148.43	\$16,373.45	1.2857	1	1	\$16,373.45	\$16,373.45
Replace tankless flush valve	25	11.00 Ea.	\$2,774.37	\$3,257.22	1.8000	1	1	\$3,257.22	\$3,257.22
Replace wax ring gasket for tankless water closet	5	11.00 Ea.	\$1,556.71	\$1,945.09	9.0000	9	9	\$17,505.82	\$17,505.82
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$52.44	\$65.07	6.4286	6	6	\$390.43	\$390.43
Rebuild flush valve for a urinal	20	2.00 Ea.	\$360.87	\$434.91	2.2500	2	2	\$869.83	\$869.83

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Unplug line urinal	5	2.00 Ea.	\$290.14	\$362.86	9.0000	9	9	\$3,265.70	\$3,265.70
Replace wall-hung urinal	35	2.00 Ea.	\$1,937.73	\$2,338.21	1.2857	1	1	\$2,338.21	\$2,338.21
Replace washer in spud connection lavatory, vitreous china	7	10.00 Ea.	\$164.63	\$200.80	6.4286	6	6	\$1,204.80	\$1,204.80
Replace washer in faucet lavatory, vitreous china	2	10.00 Ea.	\$128.85	\$160.52	22.5000	22	22	\$3,531.40	\$3,531.40
Replace faucets lavatory, vitreous china	10	10.00 Ea.	\$1,817.26	\$2,187.55	4.5000	4	4	\$8,750.22	\$8,750.22
Clean out strainer and P trap lavatory, vitreous china	2	10.00 Ea.	\$348.69	\$436.08	22.5000	22	22	\$9,593.74	\$9,593.74
Replace lavatory, vitreous china	35	10.00 Ea.	\$6,725.75	\$8,082.21	1.2857	1	1	\$8,082.21	\$8,082.21
Replace faucet washer sink, iron enamel	2	1.00 Ea.	\$12.78	\$15.92	22.5000	22	22	\$350.15	\$350.15
Clean trap sink, iron enamel	3	1.00 Ea.	\$8.57	\$10.72	15.0000	15	15	\$160.78	\$160.78
Replace faucets sink, iron enamel	10	1.00 Ea.	\$181.73	\$218.76	4.5000	4	4	\$875.02	\$875.02
Unstop sink, iron enamel	2	1.00 Ea.	\$41.82	\$52.30	22.5000	22	22	\$1,150.65	\$1,150.65
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	1.00 Ea.	\$636.70	\$757.51	1.2857	1	1	\$757.51	\$757.51
Replace faucet washer sink, stainless steel	2	4.00 Ea.	\$51.11	\$63.66	22.5000	22	22	\$1,400.61	\$1,400.61
Clean trap sink, stainless steel	3	4.00 Ea.	\$34.28	\$42.87	15.0000	15	15	\$643.11	\$643.11
Replace faucets sink, stainless steel	10	4.00 Ea.	\$726.90	\$875.02	4.5000	4	4	\$3,500.09	\$3,500.09
Unstop sink, stainless steel	2	4.00 Ea.	\$167.29	\$209.21	22.5000	22	22	\$4,602.60	\$4,602.60
Replace sink, stainless steel	40	4.00 Ea.	\$4,503.79	\$5,279.28	1.1250	1	1	\$5,279.28	\$5,279.28
Check / minor repairs drinking fountain	1	1.00 Ea.	\$48.88	\$61.13	45.0000	45	45	\$2,750.97	\$2,750.97
Repair internal leaks drinking fountain	4	1.00 Ea.	\$45.08	\$56.38	11.2500	11	11	\$620.16	\$620.16
Correct water pressure drinking fountain	2	1.00 Ea.	\$41.82	\$52.30	22.5000	22	22	\$1,150.65	\$1,150.65
Replace refrigerant drinking fountain	2	1.00 Ea.	\$32.68	\$38.27	22.5000	22	22	\$841.92	\$841.92
Repair drain leak drinking fountain	4	1.00 Ea.	\$33.92	\$40.53	11.2500	11	9	\$445.88	\$364.81
Replace fountain drinking fountain	10	1.00 Ea.	\$1,281.16	\$1,514.56	4.5000	4	4	\$6,058.24	\$6,058.24
Replace pipe and fittings, copper 3/4"	20	32.00 L.F.	\$833.73	\$1,004.24	2.2500	2	2	\$2,008.49	\$2,008.49
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$983.75	\$1,170.32	1.8000	1	1	\$1,170.32	\$1,170.32
Replace threaded steel pipe and fittings, 4"	75	150.00 L.F.	\$13,241.51	\$16,026.33	0.6000	0	0	\$0.00	\$0.00
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$98.31	\$122.94	22.5000	22	20	\$2,704.78	\$2,458.89
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$586.59	\$733.59	22.5000	22	22	\$16,139.00	\$16,139.00
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$41,525.47	\$47,777.51	2.2500	2	2	\$95,555.02	\$95,555.02
Replace storage tank, glass lined, P.E., 80 gal.	50	2.00 Ea.	\$9,540.22	\$10,870.20	0.9000	0	0	\$0.00	\$0.00
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	2.2500	2	2	\$119.55	\$119.55
Unclog 4" - 12" diameter PVC main drain per L.F.	10	1.00 L.F.	\$3.79	\$4.74	4.5000	4	4	\$18.96	\$18.96
Repair joint pipe and fittings, PVC	10	2.00 Ea.	\$302.58	\$376.00	4.5000	4	4	\$1,504.00	\$1,504.00

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Replace pipe, 4" pipe and fittings, PVC	30	1.00 L.F.	\$81.59	\$100.38	1.5000	1	1	\$100.38	\$100.38
General maintenance & repair drain: roof, scupper, area	1	3.00 Ea.	\$110.96	\$138.77	45.0000	45	45	\$6,244.69	\$6,244.69
Replace drain: roof, scupper, area	40	3.00 Ea.	\$2,360.80	\$2,737.08	1.1250	1	1	\$2,737.08	\$2,737.08
Repair boiler, gas/oil, 2000 MBH	7	2.00 Ea.	\$12,690.38	\$14,796.64	6.4286	6	6	\$88,779.81	\$88,779.81
Replace boiler, gas/oil, 2000 MBH	30	2.00 Ea.	\$117,244.60	\$136,030.97	1.5000	1	1	\$136,030.97	\$136,030.97
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$129.05	\$149.45	3.0000	3	3	\$448.36	\$448.36
Replace roof mounted exhaust fan, 20,300 CFM exhaust fan	20	1.00 Ea.	\$11,255.78	\$13,078.79	2.2500	2	2	\$26,157.57	\$26,157.57
Repair circulator pump, 1/12 - 3/4 H.P.	5	2.00 Ea.	\$196.27	\$231.46	9.0000	9	6	\$2,083.16	\$1,388.78
Replace circulator pump, 1/12 - 3/4 H.P.	15	2.00 Ea.	\$7,644.61	\$8,804.46	3.0000	3	3	\$26,413.37	\$26,413.37
Repair damaged pipe insulation, fiberglass 3/4"	5	2.00 Ea.	\$37.88	\$46.63	9.0000	9	9	\$419.69	\$419.69
Replace pipe insulation, fiberglass 3/4"	5	0.50 M.L.F.	\$3,778.29	\$4,638.85	9.0000	9	9	\$41,749.69	\$41,749.69
Repair terminal reheat, 36" x 36" coil	10	1.00 Ea.	\$162.94	\$203.78	4.5000	4	4	\$815.10	\$815.10
Replace terminal reheat, 36" x 36" coil	15	1.00 Ea.	\$3,442.47	\$4,000.25	3.0000	3	3	\$12,000.76	\$12,000.76
Repair single zone rooftop unit, 25 ton	10	2.00 Ea.	\$94,794.84	\$109,247.10	4.5000	4	3	\$436,988.40	\$327,741.30
Replace single zone rooftop unit, 25 ton	15	2.00 Ea.	\$102,686.34	\$119,171.04	3.0000	3	3	\$357,513.12	\$357,513.12
Repair central station A.H.U., 33,500 CFM	10	1.00 Ea.	\$4,175.39	\$4,808.85	4.5000	4	3	\$19,235.42	\$14,426.56
Replace central station A.H.U., 33,500 CFM	15	1.00 Ea.	\$141,107.95	\$162,304.53	3.0000	3	3	\$486,913.59	\$486,913.59
Rebuild 4" diameter reduced pressure backflow preventer	10	1.00 Ea.	\$664.67	\$779.78	4.5000	4	4	\$3,119.13	\$3,119.13
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	45.0000	45	45	\$1,931.79	\$1,931.79
Replace sprinkler head	20	32.00 Ea.	\$2,736.73	\$3,366.06	2.2500	2	2	\$6,732.13	\$6,732.13
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$44,139.08	\$50,910.34	1.8000	1	1	\$50,910.34	\$50,910.34
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$559.28	\$675.20	9.0000	9	9	\$6,076.76	\$6,076.76
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$107.96	\$135.26	90.0000	90	90	\$12,173.41	\$12,173.41
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,610.62	\$1,916.15	2.5000	2	2	\$3,832.30	\$3,832.30
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$232.44	\$278.27	4.5000	4	4	\$1,113.07	\$1,113.07
Maintenance and inspection secondary transformer, dry	0.5	1.00 Ea.	\$80.65	\$101.05	90.0000	90	90	\$9,094.26	\$9,094.26
Replace transformer 112.5 KVA	30	1.00 Ea.	\$8,947.19	\$10,428.10	1.5000	1	1	\$10,428.10	\$10,428.10
Maintenance and inspection lighting panel, indoor	3	2.00 Ea.	\$81.29	\$101.84	15.0000	15	15	\$1,527.64	\$1,527.64
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	44.00 Ea.	\$3,157.56	\$3,955.96	2.2500	2	2	\$7,911.92	\$7,911.92
Maintenance and inspection circuit breaker, molded case, 480 V, 1 pole	0.5	44.00 Ea.	\$1,425.09	\$1,785.43	90.0000	90	90	\$160,689.07	\$160,689.07
Replace circuit breaker molded case, 480 V, 1 pole circuit breaker	50	44.00 Ea.	\$24,124.71	\$28,103.03	0.9000	0	0	\$0.00	\$0.00

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Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	3.00 Ea.	\$121.93	\$152.76	5.6250	5	5	\$763.82	\$763.82
Maintenance and inspection safety switch, 3 pole, heavy duty	1	3.00 Ea.	\$121.93	\$152.76	45.0000	45	45	\$6,874.40	\$6,874.40
Replace safety switch, heavy duty 30 A	25	3.00 Ea.	\$1,729.04	\$2,071.32	1.8000	1	1	\$2,071.32	\$2,071.32
Maintenance and repair receptacles and plugs	20	60.00 Ea.	\$2,534.61	\$3,164.32	2.2500	2	2	\$6,328.63	\$6,328.63
Replace receptacle/plug receptacles and plugs	20	60.00 Ea.	\$4,317.33	\$5,321.80	2.2500	2	2	\$10,643.60	\$10,643.60
Maintenance and repair wiring devices, switches	10	13.00 Ea.	\$549.16	\$685.60	4.5000	4	4	\$2,742.41	\$2,742.41
Replace wiring devices, switches	15	13.00 Ea.	\$849.91	\$1,055.88	3.0000	3	3	\$3,167.65	\$3,167.65
Replace fluorescent light fixture ballast, 80 W	10	134.00 Ea.	\$16,705.57	\$20,265.79	4.5000	4	2	\$81,063.16	\$40,531.58
Replace lamps (2 lamps), 4', 34 W energy saver	10	134.00 Ea.	\$3,378.68	\$4,231.58	4.5000	4	4	\$16,926.31	\$16,926.31
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	134.00 Ea.	\$30,476.56	\$37,173.63	2.2500	2	2	\$74,347.26	\$74,347.26
Repair smoke detector	10	25.00 Ea.	\$1,409.69	\$1,742.85	4.5000	4	3	\$6,971.41	\$5,228.55
Check operation smoke detector	1	25.00 Ea.	\$404.86	\$507.23	45.0000	45	45	\$22,825.15	\$22,825.15
Replace smoke detector	15	25.00 Ea.	\$7,105.93	\$8,486.55	3.0000	3	3	\$25,459.64	\$25,459.64
Repair heat detector	10	25.00 Ea.	\$1,534.44	\$1,884.61	4.5000	4	4	\$7,538.46	\$7,538.46
Check operation heat detector	1	25.00 Ea.	\$404.86	\$507.23	45.0000	45	45	\$22,825.15	\$22,825.15
Replace heat detector	15	25.00 Ea.	\$4,274.10	\$5,226.02	3.0000	3	3	\$15,678.06	\$15,678.06
Check and repair manual pull station	10	8.00 Ea.	\$701.57	\$862.64	4.5000	4	3	\$3,450.57	\$2,587.93
Replace manual pull station	15	8.00 Ea.	\$1,627.74	\$1,959.53	3.0000	3	3	\$5,878.59	\$5,878.59
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	29.00 Ea.	\$8,650.81	\$10,162.12	2.2500	2	2	\$20,324.25	\$20,324.25
Replace lighting fixture exit light	20	20.00 Ea.	\$3,820.70	\$4,595.21	2.2500	2	2	\$9,190.43	\$9,190.43
Repair clay brick wall, 1st floor	25	2.00 S.F.	\$85.95	\$105.49	1.8000	1	1	\$105.49	\$105.49
Replace glass - 1st floor (1% of glass) - steel frame window	1	5.70 S.F.	\$68.73	\$80.78	45.0000	45	45	\$3,635.02	\$3,635.02
Refinish 3'-9" x 5'-5" steel frame window - 1st floor.	5	29.00 Ea.	\$2,322.40	\$2,881.06	9.0000	9	9	\$25,929.50	\$25,929.50
Replace 3'-9" x 5'-5" steel frame window - 1st floor.	45	29.00 Ea.	\$48,048.89	\$55,325.35	1.0000	1	1	\$55,325.35	\$55,325.35
Finish new 3'-9" x 5'-5" steel frame window - 1st floor.	45	29.00 Ea.	\$2,014.99	\$2,498.79	1.0000	1	1	\$2,498.79	\$2,498.79
Repair solid core, painted, door	12	1.00 Ea.	\$376.44	\$450.46	3.7500	3	3	\$1,351.37	\$1,351.37
Prepare and refinish solid core, painted, door	4	1.00 Ea.	\$53.31	\$64.79	11.2500	11	11	\$712.68	\$712.68
Replace 3'-0" x 7'-0" solid core, painted, door	40	1.00 Ea.	\$1,090.76	\$1,291.14	1.1250	1	1	\$1,291.14	\$1,291.14
Repair steel, painted, door	14	2.00 Ea.	\$1,250.15	\$1,488.01	3.2143	3	3	\$4,464.03	\$4,464.03
Refinish 3'-0" x 7'-0" steel, painted, door	4	2.00 Ea.	\$82.80	\$101.73	11.2500	11	11	\$1,119.06	\$1,119.06
Replace 3'-0" x 7'-0" steel, painted, door	45	2.00 Ea.	\$1,410.13	\$1,639.46	1.0000	1	1	\$1,639.46	\$1,639.46
Debris removal and visual inspection of built-up roofing	0.5	6.30 M.S.F.	\$237.26	\$289.38	90.0000	90	90	\$26,044.29	\$26,044.29
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	9.0000	9	9	\$1,640.47	\$1,640.47
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	90.0000	90	90	\$4,869.37	\$4,869.37

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Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.0000	3	3	\$7,175.76	\$7,175.76	
Replace fire alarm bell, 6"	20	12.00 Ea.	\$2,339.54	\$2,823.31	2.2500	2	2	\$5,646.61	\$5,646.61	
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	45.0000	45	45	\$5,392.19	\$5,392.19	
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$11,009.12	\$13,095.99	1.8000	1	1	\$13,095.99	\$13,095.99	
Maintenance and repair lightning ground rod	1	8.00 Ea.	\$703.11	\$878.30	45.0000	45	44	\$39,523.38	\$38,645.08	
Replace lightning ground rod	25	8.00 Ea.	\$1,808.72	\$2,242.32	1.8000	1	1	\$2,242.32	\$2,242.32	
Replace lamp emergency lighting fixture	2	20.00 Ea.	\$1,093.79	\$1,317.51	22.5000	22	22	\$28,985.29	\$28,985.29	
Replace emergency lighting fixture	20	20.00 Ea.	\$12,047.36	\$14,195.23	2.2500	2	2	\$28,390.46	\$28,390.46	
Maintenance and repair exit light	20	20.00 Ea.	\$744.03	\$920.06	2.2500	2	2	\$1,840.13	\$1,840.13	
Replace lamp exit light	5	20.00 Ea.	\$336.93	\$399.27	9.0000	9	9	\$3,593.42	\$3,593.42	
			\$1,116,547.34	\$1,308,274.47				MR Subtotal	\$3,240,582.59	
									MR Per Year	\$72,012.95
									PM Total	\$23,883.43
									Subtotal	\$95,896.38
									Total Per Unit	\$6.86

FAC 7333 OPEN MESS AND CLUB FACILITY

SUC \$6.86

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 13988.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Fire doors, swinging, annualized	8.00	3.14	\$114.57	\$116.46	\$0.00	\$231.03	\$277.43	\$329.55
Wheelchair lift, annualized	2.00	2.42	\$52.72	\$203.39	\$0.00	\$256.11	\$322.40	\$391.33
Urinals, annualized	8.00	1.82	\$50.55	\$91.62	\$0.00	\$142.17	\$174.72	\$209.79
Toilet (vacuum breaker type), annualized	12.00	2.12	\$101.30	\$106.78	\$0.00	\$208.08	\$250.24	\$297.47
Lavatories, annualized	12.00	4.18	\$71.58	\$248.44	\$0.00	\$320.02	\$401.71	\$486.98
Drink fountain, annualized	2.00	1.24	\$41.45	\$62.55	\$0.00	\$104.00	\$126.91	\$151.90
Water heater, gas, to 120 gal., annualized	3.00	5.16	\$175.91	\$260.34	\$0.00	\$436.25	\$531.94	\$636.43
Boiler, hot water, oil, gas, or comb. fired, 120 - 500 MBH, annualized	2.00	31.76	\$154.68	\$1,894.15	\$0.00	\$2,048.83	\$2,632.55	\$3,223.99
Chiller, recip., air cooled, up to 25 tons, annualized	2.00	19.45	\$199.17	\$1,171.73	\$0.00	\$1,370.90	\$1,742.33	\$2,123.73
Air handling unit, 25 thru 50 tons, annualized	1.00	1.94	\$379.12	\$97.79	\$0.00	\$476.92	\$544.17	\$630.37
VAV Boxes, annualized	6.00	5.60	\$57.63	\$338.30	\$0.00	\$395.93	\$503.18	\$613.32
Hood and blower, annualized	2.00	4.64	\$108.18	\$232.58	\$0.00	\$340.76	\$421.35	\$507.36
Backflow prevention device, up to 4", annualized	1.00	0.33	\$13.40	\$19.82	\$0.00	\$33.22	\$40.50	\$48.46
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
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
Extinguishing system, dry chemical, annualized	2.00	11.21	\$10.21	\$563.84	\$0.00	\$574.05	\$744.22	\$914.91
Panelboard, 225 A and above, annualized	2.00	0.88	\$46.39	\$58.02	\$0.00	\$104.41	\$126.46	\$150.82
Emergency diesel or gas generator, over 15 KVA, annualized	1.00	16.15	\$86.09	\$953.12	\$0.00	\$1,039.21	\$1,333.75	\$1,632.60
Battery system and charger, annualized	4.00	34.93	\$79.80	\$2,072.00	\$0.00	\$2,151.80	\$2,781.38	\$3,414.95
Light, emergency, hardwired system, annualized	20.00	5.00	\$154.65	\$295.26	\$0.00	\$449.91	\$553.95	\$665.73
Refrigerator display, walk-in w/ external condenser case, annualized	2.00	4.75	\$414.85	\$162.66	\$0.00	\$577.51	\$667.79	\$778.81
Refrigerator freezer, walk-in box w/external condenser, annualized	2.00	2.93	\$414.85	\$100.46	\$0.00	\$515.32	\$586.94	\$679.31
Door, emergency egress, swinging, annualized	6.00	1.56	\$87.55	\$64.50	\$0.00	\$152.05	\$180.15	\$212.63
						\$15,569.39	\$19,653.01	\$23,883.43

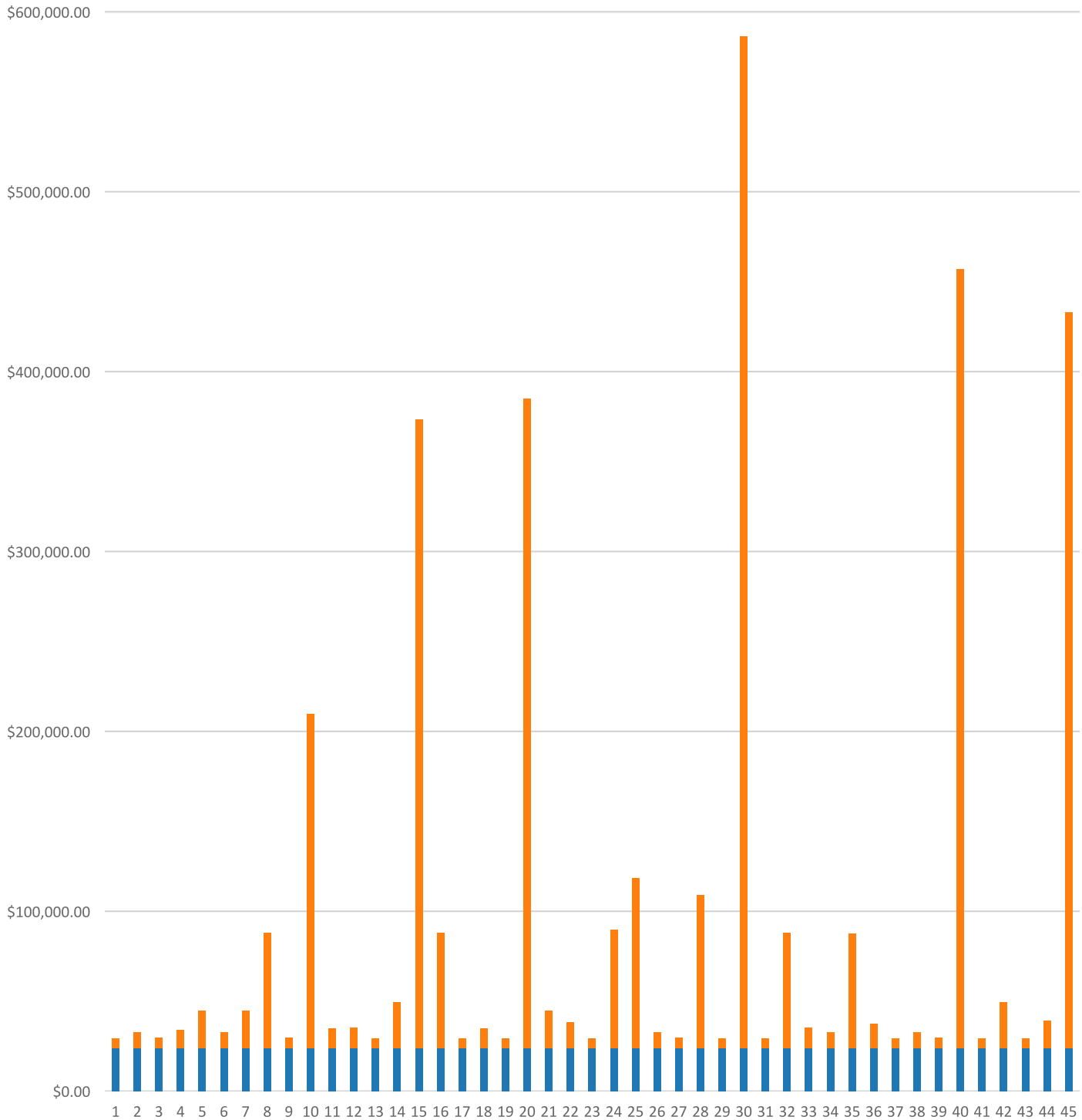
FAC 7333 OPEN MESS AND CLUB FACILITY

Modeled Component List CostWorks Release 2021 Qtr 3

B30 Roofing	
Built-Up Roofing	63.5 Sq.
C10 Interior Construction	
Solid Core Interior Doors	16.0 Ea.
Fire Doors, Swinging, annualized	8.0 Each
C30 Interior Finishes	
Wallpaper	177.7 S.Y.
Drywall	5.0 S.F.
Tile	8.0 C.S.F.
Plywood Paneling	30.0 C.S.F.
Concrete, Finished	3.2 C.S.F.
Quarry Tile	950.0 S.F.
Carpet	850.0 S.Y.
Plaster	505.0 S.Y.
D20 Plumbing	
Tankless Water Closet	11.0 Ea.
Urinal	2.0 Ea.
Lavatory, Vitreous China	10.0 Ea.
Sink, Iron Enamel	1.0 Ea.
Sink, Stainless Steel	4.0 Ea.
Drinking Fountain	1.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Storage Tank, Domestic Hot Water	2.0 Ea.
Drain: Roof, Scupper, Area	3.0 Ea.
D30 HVAC	
Boiler, Gas/Oil, 2000 MBH	2.0 Ea.
Metal Flue / Chimney, 6" diameter	1.0 L.F.
Exhaust Fan, roof mounted exhaust fan, 20300 CFM exhaust	1.0 Ea.
Circulator Pump, 1/12 - 3/4 H.P.	2.0 Ea.
Terminal Reheat Coil, 36" x 36"	1.0 Ea.
Single Zone Air Conditioner, 25 ton	2.0 Ea.
Central Station Air Conditioning Air Handling Unit, 33,500 CFM	1.0 Ea.
VAV Box	6.0 Each
D40 Fire Protection	
Backflow Preventer	1.0 Ea.
Sprinkler System, Fire Suppression, sprinkler head	32.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
Fire Pump, Electric, annualized	1.0 Each
Extinguishing system, dry chemical, annualized	2.0 Each
D50 Electrical	
Motor Starter, Up To 600 V	2.0 Ea.
Secondary Transformer, Dry, 112.5 KVA	1.0 Ea.
Load Center, 100 A, maintenance & inspection	2.0 Ea.
Circuit Breaker, molded case, 480 V, 1 pole	44.0 Ea.
Safety Switch, Heavy Duty	3.0 Ea.
Fluorescent Lighting Fixture	134.0 Ea.
Smoke Detector	25.0 Ea.
Heat Detector	25.0 Ea.
Manual Pull Station	8.0 Ea.
Exit Light	20.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	12.0 Ea.

Lightning Protection System	1.0 M.L.F.
Lightning Ground Rod	8.0 Ea.
Emergency Lighting Fixture	20.0 Ea.
B20 Exterior Enclosure	
Steel Frame, Operating, 1st floor	29.0 Ea.
Solid Core, Painted	1.0 Ea.
Steel, Painted	2.0 Ea.
D10 Conveying	
Wheelchair lift, annualized	2.0 Each
E10 Equipment	
Refrigerator display, walk-in, annualized	2.0 Each
Refrigerator freezer, walk-in, annualized	2.0 Each

FAC 7333 OPEN MESS AND CLUB FACILITY
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost