

FAC 7349 COMMISSARY

FY24 SUC: \$2.44 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 7349 COMMISSARY

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM SF
Design Life 40
Average Size 69907.777227

SUC \$2.44

Adjusted Occurences 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 solid core wood door, interior	11	17.00 Ea.	\$4,742.80	\$5,536.60	3.6364	3	3	\$16,609.79	\$16,609.79
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	17.00 Ea.	\$748.25	\$922.04	10.0000	10	9	\$9,220.42	\$8,298.38
Replace 3'-0" x 7'-0" solid core wood door, interior	40	17.00 Ea.	\$9,631.35	\$11,119.66	1.0000	1	1	\$11,119.66	\$11,119.66
Repair 5/8" drywall - (2% of walls)	20	1,014.70 S.F.	\$1,695.49	\$2,072.01	2.0000	2	2	\$4,144.01	\$4,144.01
Refinish drywall	4	10,000.00 S.F.	\$6,776.39	\$8,324.79	10.0000	10	10	\$83,247.87	\$83,247.87
Replace 5/8" drywall	75	10,000.00 S.F.	\$23,628.16	\$29,015.74	0.5333	0	0	\$0.00	\$0.00
Refinish concrete floor finished	25	83.80 C.S.F.	\$34,909.18	\$42,119.44	1.6000	1	1	\$42,119.44	\$42,119.44
Replace vinyl tile flooring	18	3,844.00 S.Y.	\$196,386.90	\$241,678.75	2.2222	2	2	\$483,357.50	\$483,357.50
Ceramic tile floor repairs - (2% of floors)	15	0.50 C.S.F.	\$337.01	\$420.22	2.6667	2	2	\$840.45	\$840.45
Replace 2" x 2" thin set ceramic tile floor	50	26.10 C.S.F.	\$34,857.85	\$42,015.36	0.8000	0	0	\$0.00	\$0.00
Repair plaster ceiling - (2% of ceilings)	12	6.10 S.Y.	\$356.89	\$437.05	3.3333	3	3	\$1,311.16	\$1,311.16
Refinish plaster ceiling	10	303.30 S.Y.	\$3,881.56	\$4,774.39	4.0000	4	4	\$19,097.56	\$19,097.56
Replace plaster ceiling	75	303.30 S.Y.	\$19,639.41	\$24,085.21	0.5333	0	0	\$0.00	\$0.00
Replace acoustic tile ceiling, fire-rated	20	382.00 C.S.F.	\$198,994.47	\$235,196.36	2.0000	2	2	\$470,392.73	\$470,392.73
Replace flush valve diaphragm tankless water closet	10	7.00 Ea.	\$190.85	\$236.99	4.0000	4	4	\$947.97	\$947.97
Rebuild flush valve tankless water closet	20	7.00 Ea.	\$1,343.17	\$1,618.88	2.0000	2	2	\$3,237.77	\$3,237.77
Unplug clogged line tankless water closet	5	7.00 Ea.	\$1,609.50	\$2,014.82	8.0000	8	8	\$16,118.57	\$16,118.57
Replace tankless water closet	35	7.00 Ea.	\$9,915.88	\$11,468.25	1.1429	1	1	\$11,468.25	\$11,468.25
Replace tankless flush valve	25	7.00 Ea.	\$1,891.70	\$2,220.52	1.6000	1	1	\$2,220.52	\$2,220.52
Replace wax ring gasket for tankless water closet	5	7.00 Ea.	\$1,044.15	\$1,305.87	8.0000	8	8	\$10,447.00	\$10,447.00
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$54.53	\$67.71	5.7143	5	5	\$338.56	\$338.56
Rebuild flush valve for a urinal	20	2.00 Ea.	\$383.76	\$462.54	2.0000	2	2	\$925.08	\$925.08
Unplug line urinal	5	2.00 Ea.	\$305.28	\$382.16	8.0000	8	8	\$3,057.30	\$3,057.30
Replace wall-hung urinal	35	2.00 Ea.	\$2,175.04	\$2,616.09	1.1429	1	1	\$2,616.09	\$2,616.09
Replace washer in spud connection lavatory, vitreous china	7	7.00 Ea.	\$121.25	\$147.99	5.7143	5	5	\$739.93	\$739.93
Replace washer in faucet lavatory, vitreous china	2	7.00 Ea.	\$94.97	\$118.42	20.0000	20	20	\$2,368.41	\$2,368.41
Replace faucets lavatory, vitreous china	10	7.00 Ea.	\$1,368.30	\$1,645.85	4.0000	4	4	\$6,583.40	\$6,583.40
Refinish 12' x 12' steel roll-up door	5	3.00 Ea.	\$691.10	\$842.85	8.0000	8	8	\$6,742.81	\$6,742.81
Replace 12' x 12' steel roll-up door	35	3.00 Ea.	\$8,413.39	\$9,998.68	1.1429	1	1	\$9,998.68	\$9,998.68
Debris removal and visual inspection of built-up roofing	0.5	41.90 M.S.F.	\$1,697.81	\$2,070.83	80.0000	80	80	\$165,666.03	\$165,666.03
Non-destructive moisture inspection of built-up roofing	5	41.90 M.S.F.	\$5,289.79	\$6,451.96	8.0000	8	8	\$51,615.71	\$51,615.71

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 repairs, 2% of roof area	1	8.40 Sq.	\$4,468.88	\$5,298.73	40.0000	40	40	\$211,949.26	\$211,949.26
BUR flashing repairs, 2 S.F. per sq. repaired	1	16.80 S.F.	\$63.62	\$77.27	40.0000	40	40	\$3,090.90	\$3,090.90
Minor BUR membrane replacement, 25% of roof area	15	104.80 Sq.	\$95,899.94	\$113,569.69	2.6667	2	2	\$227,139.38	\$227,139.38
Total BUR roof replacement	28	696.00 Sq.	\$609,139.63	\$719,196.60	1.4286	1	1	\$719,196.60	\$719,196.60
Repair aluminum interior door	12	17.00 Ea.	\$4,742.80	\$5,536.60	3.3333	3	3	\$16,609.79	\$16,609.79
Replace 3'-0" x 7'-0" aluminum door & frame, interior	50	17.00 Ea.	\$51,555.71	\$59,292.26	0.8000	0	0	\$0.00	\$0.00
Replace safety glass (3% of glass) aluminum interior door	1	10.70 S.F.	\$266.92	\$314.67	40.0000	40	40	\$12,586.75	\$12,586.75
Clean out strainer and P trap lavatory, vitreous china	2	7.00 Ea.	\$257.73	\$322.63	20.0000	20	20	\$6,452.70	\$6,452.70
Replace lavatory, vitreous china	35	7.00 Ea.	\$5,031.06	\$6,043.84	1.1429	1	1	\$6,043.84	\$6,043.84
Replace faucet washer sink, stainless steel	2	4.00 Ea.	\$53.80	\$67.08	20.0000	20	20	\$1,341.55	\$1,341.55
Clean trap sink, stainless steel	3	4.00 Ea.	\$36.02	\$45.10	13.3333	13	13	\$586.25	\$586.25
Replace faucets sink, stainless steel	10	4.00 Ea.	\$781.89	\$940.49	4.0000	4	4	\$3,761.94	\$3,761.94
Unstop sink, stainless steel	2	4.00 Ea.	\$176.04	\$220.38	20.0000	20	20	\$4,407.51	\$4,407.51
Replace sink, stainless steel	40	4.00 Ea.	\$4,847.49	\$5,680.05	1.0000	1	1	\$5,680.05	\$5,680.05
Replace faucet washer sink, service/utility	2	2.00 Ea.	\$26.90	\$33.54	20.0000	20	20	\$670.78	\$670.78
Clean trap	3	2.00 Ea.	\$18.01	\$22.55	13.3333	13	13	\$293.13	\$293.13
Replace faucets sink, service/utility	10	2.00 Ea.	\$390.94	\$470.24	4.0000	4	4	\$1,880.97	\$1,880.97
Unstop sink	2	2.00 Ea.	\$88.02	\$110.19	20.0000	20	20	\$2,203.75	\$2,203.75
Replace sink, P.E.C.I. service/utility	35	2.00 Ea.	\$3,348.73	\$3,915.69	1.1429	1	1	\$3,915.69	\$3,915.69
Check / minor repairs drinking fountain	1	3.00 Ea.	\$154.57	\$193.50	40.0000	40	40	\$7,740.01	\$7,740.01
Repair internal leaks drinking fountain	4	3.00 Ea.	\$143.30	\$179.39	10.0000	10	10	\$1,793.91	\$1,793.91
Correct water pressure drinking fountain	2	3.00 Ea.	\$132.03	\$165.28	20.0000	20	20	\$3,305.63	\$3,305.63
Replace refrigerant drinking fountain	2	3.00 Ea.	\$106.22	\$124.29	20.0000	20	20	\$2,485.78	\$2,485.78
Repair drain leak drinking fountain	4	3.00 Ea.	\$87.29	\$105.57	10.0000	10	8	\$1,055.68	\$844.54
Replace fountain drinking fountain	10	3.00 Ea.	\$4,862.44	\$5,712.90	4.0000	4	4	\$22,851.61	\$22,851.61
Resolder joint pipe & fittings, copper	10	2.00 Ea.	\$100.27	\$123.69	4.0000	4	4	\$494.76	\$494.76
Replace pipe and fittings, copper 3/4"	20	16.00 L.F.	\$399.95	\$484.74	2.0000	2	2	\$969.47	\$969.47
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$838.84	\$1,008.95	1.6000	1	1	\$1,008.95	\$1,008.95
Overhaul water heater, gas / oil, 70 gallon	5	1.00 Ea.	\$172.87	\$216.40	8.0000	8	8	\$1,731.18	\$1,731.18
Clean & service water heater, gas / oil, 70 gallon	1	1.00 Ea.	\$206.10	\$258.00	40.0000	40	40	\$10,320.02	\$10,320.02
Replace water heater, gas / oil, 70 gallon	12	1.00 Ea.	\$3,214.32	\$3,737.78	3.3333	3	3	\$11,213.35	\$11,213.35
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$48.84	\$61.14	4.0000	4	4	\$244.56	\$244.56

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace pipe & fittings, cast iron, 4"	40	1,060.00 L.F.	\$61,344.41	\$74,537.75	1.0000	1	1	\$74,537.75	\$74,537.75
Unclog floor drain, PVC	20	1.00 Ea.	\$50.45	\$63.16	2.0000	2	2	\$126.31	\$126.31
Unclog 4" - 12" diameter PVC main drain per L.F.	10	0.10 L.F.	\$0.40	\$0.50	4.0000	4	4	\$2.00	\$2.00
Repair joint pipe and fittings, PVC	10	1.00 Ea.	\$168.16	\$208.23	4.0000	4	4	\$832.91	\$832.91
Replace pipe, 4" pipe and fittings, PVC	30	800.00 L.F.	\$66,354.10	\$81,901.95	1.3333	1	1	\$81,901.95	\$81,901.95
General maintenance & repair drain: roof, scupper, area	1	12.00 Ea.	\$470.16	\$588.56	40.0000	40	40	\$23,542.54	\$23,542.54
Replace drain: roof, scupper, area	40	12.00 Ea.	\$13,564.48	\$15,646.20	1.0000	1	1	\$15,646.20	\$15,646.20
Replace 1000 L.F. of buried 4" diam steel pipe natural gas	75	0.46 M.L.F.	\$21,780.86	\$25,993.01	0.5333	0	0	\$0.00	\$0.00
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,734.80	\$6,685.15	5.7143	5	5	\$33,425.73	\$33,425.73
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$40,588.94	\$47,558.43	1.3333	1	1	\$47,558.43	\$47,558.43
Repair feed water supply pump	15	1.00 Ea.	\$5,965.19	\$6,863.28	2.6667	2	2	\$13,726.57	\$13,726.57
Replace deaerator	20	1.00 Ea.	\$53,575.39	\$62,555.59	2.0000	2	2	\$125,111.18	\$125,111.18
Replace metal flue, all fuel SS, 10" diameter metal flue / chimney	15	24.00 L.F.	\$6,411.87	\$7,375.40	2.6667	2	2	\$14,750.80	\$14,750.80
Repair cooling tower, 100 ton	10	2.00 Ea.	\$11,293.94	\$13,329.27	4.0000	4	3	\$53,317.09	\$39,987.82
Replace cooling tower, 100 ton	15	2.00 Ea.	\$48,972.79	\$56,369.76	2.6667	2	2	\$112,739.52	\$112,739.52
Repair water cooled chiller, 100 ton, reciprocating	10	2.00 Ea.	\$141,048.07	\$164,542.19	4.0000	4	2	\$658,168.75	\$329,084.37
Replace chiller, water cooled, 100 ton, reciprocating	20	2.00 Ea.	\$189,571.55	\$220,472.89	2.0000	2	2	\$440,945.79	\$440,945.79
Repair circulator pump, 1/12 - 3/4 H.P.	5	1.00 Ea.	\$103.47	\$122.05	8.0000	8	6	\$976.41	\$732.31
Replace circulator pump, 1/12 - 3/4 H.P.	15	1.00 Ea.	\$3,796.05	\$4,376.03	2.6667	2	2	\$8,752.06	\$8,752.06
Repair circulator pump, 1 H.P.	5	2.00 Ea.	\$207.40	\$244.67	8.0000	8	6	\$1,957.34	\$1,468.01
Replace circulator. pump, 1 H.P.	15	2.00 Ea.	\$11,265.65	\$12,926.56	2.6667	2	2	\$25,853.13	\$25,853.13
Repair damaged pipe insulation, fiberglass 3/4"	5	2.00 Ea.	\$44.30	\$54.14	8.0000	8	8	\$433.08	\$433.08
Replace pipe insulation, fiberglass 3/4"	5	1.10 M.L.F.	\$9,965.49	\$12,128.90	8.0000	8	8	\$97,031.17	\$97,031.17
Repair terminal reheat, 36" x 36" coil	10	2.00 Ea.	\$343.50	\$430.00	4.0000	4	4	\$1,720.00	\$1,720.00
Replace terminal reheat, 36" x 36" coil	15	2.00 Ea.	\$7,747.78	\$8,991.94	2.6667	2	2	\$17,983.88	\$17,983.88
Repair central station A.H.U., 33,500 CFM	10	2.00 Ea.	\$13,085.57	\$15,005.56	4.0000	4	3	\$60,022.26	\$45,016.69
Replace central station A.H.U., 33,500 CFM	15	2.00 Ea.	\$314,098.96	\$361,064.13	2.6667	2	2	\$722,128.26	\$722,128.26
Inspect sprinkler system	1	1.00 Ea.	\$36.17	\$45.28	40.0000	40	40	\$1,811.38	\$1,811.38
Replace sprinkler head	20	128.00 Ea.	\$11,218.92	\$13,843.44	2.0000	2	2	\$27,686.88	\$27,686.88
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$748.17	\$896.73	40.0000	40	40	\$35,869.16	\$35,869.16
Maintenance and inspection switchgear, mainframe	1	1.00 Ea.	\$68.26	\$85.52	40.0000	40	40	\$3,420.61	\$3,420.61
Replace switchgear 1200 A mainframe	20	1.00 Ea.	\$4,250.93	\$5,127.30	2.0000	2	2	\$10,254.60	\$10,254.60
Replace fuse	25	98.00 Ea.	\$44,775.69	\$51,417.55	1.6000	1	1	\$51,417.55	\$51,417.55
Replace circuit breaker enclosed, 240 V, 2 pole circuit breaker	50	12.00 Ea.	\$9,773.18	\$11,457.29	0.8000	0	0	\$0.00	\$0.00
Maintenance and repair incandescent lighting fixtures	10	9.00 Ea.	\$606.01	\$724.03	4.0000	4	2	\$2,896.11	\$1,448.06

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Replace incandescent lighting fixture lamp	5	9.00 Ea.	\$115.56	\$139.08	8.0000	8	8	\$1,112.67	\$1,112.67
Replace incandescent lighting fixture	20	9.00 Ea.	\$1,257.42	\$1,525.13	2.0000	2	2	\$3,050.27	\$3,050.27
Replace fluorescent light fixture ballast, 80 W	10	208.00 Ea.	\$21,758.08	\$26,830.09	4.0000	4	2	\$107,320.35	\$53,660.17
Replace lamps (2 lamps), 4', 34 W energy saver	10	208.00 Ea.	\$5,509.03	\$6,899.14	4.0000	4	4	\$27,596.55	\$27,596.55
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	122.00 Ea.	\$30,210.14	\$36,767.96	2.0000	2	2	\$73,535.91	\$73,535.91
Replace metal halide ballast, 175 W	10	14.00 Ea.	\$2,336.42	\$2,796.70	4.0000	4	4	\$11,186.81	\$11,186.81
Replace metal halide fixture lamp, 175 W	5	14.00 Ea.	\$799.36	\$972.88	8.0000	8	8	\$7,783.05	\$7,783.05
Repair smoke detector	10	90.00 Ea.	\$5,220.92	\$6,464.93	4.0000	4	3	\$25,859.72	\$19,394.79
Check operation smoke detector	1	90.00 Ea.	\$1,530.08	\$1,916.97	40.0000	40	40	\$76,678.69	\$76,678.69
Replace smoke detector	15	90.00 Ea.	\$27,229.72	\$32,509.66	2.6667	2	2	\$65,019.32	\$65,019.32
Check and repair manual pull station	10	12.00 Ea.	\$1,078.60	\$1,328.96	4.0000	4	3	\$5,315.85	\$3,986.89
Replace manual pull station	15	12.00 Ea.	\$2,505.10	\$3,021.15	2.6667	2	2	\$6,042.31	\$6,042.31
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	8.0000	8	8	\$1,460.76	\$1,460.76
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	80.0000	80	80	\$4,560.81	\$4,560.81
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	2.6667	2	2	\$5,350.95	\$5,350.95
Minor repairs to annunciation panel	5	1.00 Ea.	\$149.42	\$182.60	8.0000	8	8	\$1,460.76	\$1,460.76
Maintenance and inspection annunciation panel	0.5	1.00 Ea.	\$45.50	\$57.01	80.0000	80	80	\$4,560.81	\$4,560.81
Replace annunciation panel	15	1.00 Ea.	\$1,125.25	\$1,357.42	2.6667	2	2	\$2,714.84	\$2,714.84
Replace lamp emergency lighting fixture	2	14.00 Ea.	\$762.90	\$921.97	20.0000	20	20	\$18,439.41	\$18,439.41
Replace emergency lighting fixture	20	14.00 Ea.	\$8,047.28	\$9,518.23	2.0000	2	2	\$19,036.46	\$19,036.46
Replace lamp with exit light L.E.D. retrofit kits	15	14.00 Ea.	\$1,526.89	\$1,756.70	2.6667	2	2	\$3,513.41	\$3,513.41
Maintenance and repair voice/data outlet	10	22.00 Ea.	\$1,195.11	\$1,492.51	4.0000	4	4	\$5,970.06	\$5,970.06
Remove and replace hydraulic dock leveler lift cylinder	15	3.00 Ea.	\$23,942.49	\$27,266.00	2.6667	2	2	\$54,531.99	\$54,531.99
Replace commercial dishwasher, 10 to 12 racks per hour	10	1.00 Ea.	\$42,039.05	\$47,877.55	4.0000	4	4	\$191,510.20	\$191,510.20
Remove and replace waste compactor hydraulic pump	20	1.00 Ea.	\$1,145.63	\$1,317.49	2.0000	2	2	\$2,634.98	\$2,634.98
Repair clay brick wall, 1st floor	25	1,392.00 S.F.	\$62,986.79	\$77,420.87	1.6000	1	1	\$77,420.87	\$77,420.87
Point clay brick wall, 1st floor	25	139.20 C.S.F.	\$118,882.57	\$146,987.03	1.6000	1	1	\$146,987.03	\$146,987.03
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	12.00 S.F.	\$157.79	\$185.29	40.0000	40	40	\$7,411.44	\$7,411.44
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	200.00 Ea.	\$31,262.64	\$37,254.28	2.0000	2	2	\$74,508.57	\$74,508.57
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	200.00 Ea.	\$135,508.07	\$159,060.60	0.8000	0	0	\$0.00	\$0.00
Replace glass - 2nd floor (1% of glass) - alum. window fixed	1	12.50 S.F.	\$1,416.38	\$1,748.48	40.0000	40	40	\$69,939.14	\$69,939.14
Repair 2'-0" x 3'-0" aluminum window - 2nd floor	20	28.00 Ea.	\$5,779.02	\$6,957.73	2.0000	2	2	\$13,915.46	\$13,915.46

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Replace 2'-0" x 3'-0" aluminum window - 2nd floor	50	28.00 Ea.	\$20,373.38	\$24,010.61	0.8000	0	0	\$0.00	\$0.00	
Repair aluminum door	12	5.00 Ea.	\$2,214.04	\$2,591.80	3.3333	3	3	\$7,775.40	\$7,775.40	
Replace 3'-0" x 7'-0" flush aluminum door	50	5.00 Ea.	\$10,637.09	\$12,186.38	0.8000	0	0	\$0.00	\$0.00	
Replace wire glass - (3% of glass) aluminum door	1	3.20 S.F.	\$155.02	\$180.23	40.0000	40	40	\$7,209.32	\$7,209.32	
Repair aluminum sliding door	12	8.00 Ea.	\$3,403.84	\$4,116.04	3.3333	3	3	\$12,348.12	\$12,348.12	
Replace 3'-0" x 7'-0" aluminum sliding door	50	8.00 Ea.	\$17,902.64	\$20,511.35	0.8000	0	0	\$0.00	\$0.00	
Repair steel, painted, door	14	11.00 Ea.	\$7,725.68	\$9,176.12	2.8571	2	2	\$18,352.24	\$18,352.24	
Refinish 3'-0" x 7'-0" steel, painted, door	4	11.00 Ea.	\$506.60	\$620.36	10.0000	10	10	\$6,203.58	\$6,203.58	
Replace 3'-0" x 7'-0" steel, painted, door	45	11.00 Ea.	\$10,088.20	\$11,681.19	0.8889	0	0	\$0.00	\$0.00	
Replace tempered glass - (3% of glass) steel painted door	1	6.90 S.F.	\$218.99	\$258.50	40.0000	40	40	\$10,339.98	\$10,339.98	
Repair 12' x 12' steel roll-up door	10	3.00 Ea.	\$2,103.35	\$2,499.67	4.0000	4	4	\$9,998.68	\$9,998.68	
			\$3,077,111.52	\$3,641,831.46				MR Subtotal	\$6,262,594.65	
									MR Per Year	\$156,397.74
									PM Total	\$14,450.64
									Subtotal	\$170,848.38
									Total Per Unit	\$2.44

FAC 7349 COMMISSARY

SUC \$2.44

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 69907.777227

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Fire doors, swinging, annualized	16.00	6.27	\$250.65	\$247.30	\$0.00	\$497.94	\$597.20	\$708.98
Fire doors, overhead, annualized	3.00	8.57	\$128.04	\$324.58	\$0.00	\$452.62	\$562.79	\$679.37
Urinals, annualized	2.00	0.46	\$13.26	\$24.33	\$0.00	\$37.59	\$46.21	\$55.50
Lavatories, annualized	7.00	2.44	\$54.55	\$152.60	\$0.00	\$207.15	\$258.38	\$312.34
Drink fountain, annualized	3.00	1.86	\$112.33	\$99.41	\$0.00	\$211.74	\$252.80	\$299.47
Water heater, gas, to 120 gal., annualized	1.00	1.72	\$102.21	\$91.56	\$0.00	\$193.77	\$231.46	\$274.26
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., water cooled, over 50 tons, annualized	2.00	21.82	\$37.85	\$1,377.76	\$0.00	\$1,415.61	\$1,832.72	\$2,251.73
Extinguishing system, wet pipe, annualized	1.00	11.34	\$49.59	\$710.68	\$0.00	\$760.27	\$978.43	\$1,199.07
Switch, selector, high voltage, air, annualized	1.00	0.41	\$13.83	\$28.35	\$0.00	\$42.18	\$52.07	\$62.65
Motor control center, over 400 A, annualized	20.00	7.78	\$440.02	\$536.12	\$0.00	\$976.14	\$1,180.98	\$1,407.82
Fire alarm annunciator system, annualized	1.00	11.05	\$163.44	\$695.92	\$0.00	\$859.36	\$1,084.48	\$1,317.78
Security, intrusion alarm system, annualized	1.00	3.83	\$149.07	\$241.25	\$0.00	\$390.32	\$477.61	\$572.34
Hydraulic lift, loading dock, annually	3.00	2.45	\$48.79	\$88.35	\$0.00	\$137.14	\$168.53	\$202.35
Food saw, electric, annualized	2.00	3.18	\$246.63	\$115.44	\$0.00	\$362.08	\$421.37	\$493.00
Oven, rotary, gas, annualized	1.00	16.86	\$118.46	\$603.73	\$0.00	\$722.19	\$915.15	\$1,114.04
Refrigerator, display case, annualized	12.00	3.36	\$62.92	\$121.22	\$0.00	\$184.14	\$226.79	\$272.60
Refrigerator freezer, walk-in box w/external condenser, annualized	2.00	2.93	\$767.09	\$106.02	\$0.00	\$873.11	\$981.63	\$1,128.49
						\$9,654.49	\$11,981.38	\$14,450.64

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Modeled Component List
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C10 Interior Construction

Solid Core Interior Doors	17.0 Ea.
Aluminum Interior Doors	17.0 Ea.
Fire Doors, Swinging, annualized	16.0 Each
Fire Doors, Overhead, annualized	3.0 Each

C30 Interior Finishes

Drywall	10000.0 S.F.
Concrete, Finished	83.8 C.S.F.
Vinyl	3844.0 S.Y.
Plaster	303.3 S.Y.
Acoustic Tile, fire-rated	382.0 C.S.F.

D20 Plumbing

Tankless Water Closet	7.0 Ea.
Urinal	2.0 Ea.
Lavatory, Vitreous China	7.0 Ea.
Sink, Stainless Steel	4.0 Ea.
Service/Utility Sink	2.0 Ea.
Drinking Fountain	3.0 Ea.
Water Heater, Gas / Oil, 70 Gallon	1.0 Ea.
Drain: Roof, Scupper, Area	12.0 Ea.

B20 Exterior Enclosure

Steel Single, Roll-Up	3.0 Ea.
Aluminum Window, Fixed, 1st floor	200.0 Ea.
Aluminum Window, Fixed, 2nd floor	28.0 Ea.
Aluminum Doors, Flush	5.0 Ea.
Aluminum Doors, Sliding	8.0 Ea.
Steel, Painted	11.0 Ea.

B30 Roofing

Built-Up Roofing	696.0 Sq.
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D30 HVAC

Boiler, Gas, 2000 MBH	1.0 Ea.
Deaerator	1.0 Ea.
Cooling Tower, 100 ton	2.0 Ea.
Chiller, Water Cooled, Reciprocating, 100 ton	2.0 Ea.
Circulator Pump, 1/12 - 3/4 H.P.	1.0 Ea.
Circulator Pump, 1 H.P.	2.0 Ea.
Terminal Reheat Coil, 36" x 36"	2.0 Ea.
Central Station Air Conditioning Air Handling Unit, 33,500 CFM	2.0 Ea.

D40 Fire Protection

Sprinkler System, Fire Supression, sprinkler head	128.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.

D50 Electrical

Switchgear, Mainframe	1.0 Ea.
Incandescent Lighting Fixtures	9.0 Ea.
Fluorescent Lighting Fixture	122.0 Ea.
Smoke Detector	90.0 Ea.
Manual Pull Station	12.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Annunciation Panel	1.0 Ea.
Emergency Lighting Fixture	14.0 Ea.

E10 Equipment

Dishwasher	1.0 Ea.
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Refrigerator freezer, walk-in, annualized

2.0 Each

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Sustainment by Year
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