

FAC 5100 HOSPITAL

FY22 SUC: \$8.59 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 5100 HOSPITAL

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 30
Average Size 402128.0

SUC \$8.59

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 metal stairs	15	660.00 S.F.	\$66,479.13	\$76,486.99	2.0000	2	2	\$152,973.99	\$152,973.99
Replace metal hand rail	30	82.00 L.F.	\$6,206.04	\$7,180.96	1.0000	1	1	\$7,180.96	\$7,180.96
Refinish metal hand rail	7	580.00 L.F.	\$1,196.51	\$1,474.81	4.2857	4	4	\$5,899.24	\$5,899.24
Refinish fire escape stair and platform	7	6.00 Flight	\$3,376.83	\$4,078.56	4.2857	4	4	\$16,314.24	\$16,314.24
Replace fire escape stair and platform	25	6.00 Flight	\$41,307.69	\$50,096.24	1.2000	1	1	\$50,096.24	\$50,096.24
Metal floor grating repairs - (2% of grating)	10	46.00 S.F.	\$1,538.89	\$1,852.78	3.0000	3	3	\$5,558.34	\$5,558.34
Replace metal floor grating	30	890.00 S.F.	\$35,113.97	\$40,332.77	1.0000	1	1	\$40,332.77	\$40,332.77
Repair 8" concrete block wall, 1st floor	25	44,262.00 S.F.	\$1,071,796.28	\$1,311,183.37	1.2000	1	1	\$1,311,183.37	\$1,311,183.37
Waterproof concrete block wall, 1st floor	10	5,442.00 C.S.F.	\$1,235,347.83	\$1,469,385.51	3.0000	3	3	\$4,408,156.52	\$4,408,156.52
Repair clay brick wall, 1st floor	25	38,426.00 S.F.	\$1,651,419.38	\$2,026,758.86	1.2000	1	1	\$2,026,758.86	\$2,026,758.86
Replace aluminum siding, 1st floor	35	35.00 C.S.F.	\$20,452.10	\$24,628.55	0.8571	0	0	\$0.00	\$0.00
Refinish steel louver, 1st floor	5	260.00 Ea.	\$25,229.69	\$31,305.50	6.0000	6	6	\$187,833.00	\$187,833.00
Replace glass - 1st floor. (1% of glass) - alum. window	1	416.00 S.F.	\$5,015.99	\$5,895.39	30.0000	30	30	\$176,861.70	\$176,861.70
Repair 3' x 4' aluminum window - 1st floor	20	2,596.00 Ea.	\$679,885.70	\$800,350.42	1.5000	1	1	\$800,350.42	\$800,350.42
Repair 3' x 4' aluminum window - 2nd floor	20	2,596.00 Ea.	\$800,814.52	\$950,521.00	1.5000	1	1	\$950,521.00	\$950,521.00
Refinish steel shutter - 1st floor	5	77.00 Ea.	\$7,471.87	\$9,271.24	6.0000	6	6	\$55,627.47	\$55,627.47
Refinish steel shutter - 2nd floor	5	77.00 Ea.	\$10,588.35	\$13,146.65	6.0000	6	6	\$78,879.88	\$78,879.88
Refinish steel shutter - 3rd floor	5	77.00 Ea.	\$13,630.63	\$16,929.78	6.0000	6	6	\$101,578.67	\$101,578.67
Repair aluminum storefront door	12	43.00 Ea.	\$19,927.02	\$23,844.13	2.5000	2	2	\$47,688.25	\$47,688.25
Repair steel, painted, door	14	37.00 Ea.	\$23,127.75	\$27,528.21	2.1429	2	2	\$55,056.42	\$55,056.42
Repair 12' x 12' steel roll-up door	10	12.00 Ea.	\$8,110.75	\$9,626.60	3.0000	3	3	\$28,879.81	\$28,879.81
Refinish 12' x 12' steel roll-up door	5	12.00 Ea.	\$2,441.37	\$2,990.27	6.0000	6	6	\$17,941.61	\$17,941.61
Repair 12' x 12' aluminum single roll-up door	10	5.00 Ea.	\$6,054.88	\$7,014.22	3.0000	3	3	\$21,042.66	\$21,042.66
Refinish 12' x 12' aluminum single roll-up door	5	5.00 Ea.	\$1,017.24	\$1,245.95	6.0000	6	6	\$7,475.67	\$7,475.67
Non-destructive moisture inspection of built-up roofing	5	277.00 M.S.F.	\$32,368.97	\$39,480.51	6.0000	6	6	\$236,883.06	\$236,883.06
BUR flashing repairs, 2 S.F. per sq. repaired	1	31.90 S.F.	\$111.63	\$135.54	30.0000	30	30	\$4,066.20	\$4,066.20
Minor BUR membrane replacement, 25% of roof area	15	692.00 Sq.	\$556,913.55	\$661,076.88	2.0000	2	2	\$1,322,153.76	\$1,322,153.76
Place new BUR membrane over existing	20	2,769.00 Sq.	\$1,342,945.06	\$1,583,285.73	1.5000	1	1	\$1,583,285.73	\$1,583,285.73
Total BUR roof replacement	28	2,769.00 Sq.	\$2,158,850.99	\$2,552,969.21	1.0714	1	1	\$2,552,969.21	\$2,552,969.21
Replace aluminum downspout, 3" x 4", .024" thick	25	164.00 L.F.	\$1,298.50	\$1,572.05	1.2000	1	1	\$1,572.05	\$1,572.05
Repair 8" concrete block wall - (2% of walls) painted	25	260.28 C.S.F.	\$283,615.21	\$340,538.74	1.2000	1	1	\$340,538.74	\$340,538.74
Refinish concrete block wall painted	4	260.28 C.S.F.	\$26,267.11	\$31,985.34	7.5000	7	7	\$223,897.37	\$223,897.37

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Repair 4" glazed C.M.U. wall - (2% of walls)	25	51.60 C.S.F.	\$107,115.84	\$126,005.45	1.2000	1	1	\$126,005.45	\$126,005.45
Remove and reinstall demountable partitions	5	49.70 C.L.F.	\$232,901.33	\$278,327.23	6.0000	6	6	\$1,669,963.37	\$1,669,963.37
Repair plate glass interior wall - (2% of total)	25	76.00 C.S.F.	\$878,847.61	\$1,009,412.33	1.2000	1	1	\$1,009,412.33	\$1,009,412.33
Repair fully glazed wood door	10	8.00 Ea.	\$2,347.62	\$2,732.51	3.0000	3	3	\$8,197.54	\$8,197.54
Refinish 3'-0" x 7'-0" fully glazed wood door	4	8.00 Ea.	\$562.85	\$697.50	7.5000	7	7	\$4,882.52	\$4,882.52
Repair steel painted interior door	14	79.00 Ea.	\$23,182.73	\$26,983.56	2.1429	2	2	\$53,967.12	\$53,967.12
Refinish 3'-0" x 7'-0" steel painted interior door	4	39.00 Ea.	\$2,050.82	\$2,526.67	7.5000	7	7	\$17,686.67	\$17,686.67
Repair steel unpainted door steel	14	12.00 Ea.	\$3,521.43	\$4,098.77	2.1429	2	2	\$8,197.54	\$8,197.54
Repair 2'-6" x 6'-8" bi-fold louvered door	15	744.00 Ea.	\$53,992.06	\$66,706.15	2.0000	2	2	\$133,412.29	\$133,412.29
Refinish 2'-6" x 6'-8" louvered door	8	744.00 Ea.	\$64,740.79	\$80,004.05	3.7500	3	3	\$240,012.14	\$240,012.14
Replace 2'-6" x 6'-8" wood louver bi-fold door and frame	24	744.00 Ea.	\$448,199.84	\$520,057.51	1.2500	1	1	\$520,057.51	\$520,057.51
Repair aluminum interior door	12	45.00 Ea.	\$13,205.35	\$15,370.38	2.5000	2	2	\$30,740.76	\$30,740.76
Replace safety glass (3% of glass) aluminum interior door	1	420.14 S.F.	\$7,570.04	\$9,023.43	30.0000	30	30	\$270,702.92	\$270,702.92
Repair solid core wood door, interior	11	1,416.00 Ea.	\$415,528.40	\$483,654.65	2.7273	2	2	\$967,309.31	\$967,309.31
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	1,416.00 Ea.	\$61,404.48	\$75,401.53	7.5000	7	7	\$527,810.73	\$527,810.73
Replace toilet partitions, painted metal-overhead braced, per stall	20	47.00 Ea.	\$29,510.43	\$34,728.75	1.5000	1	1	\$34,728.75	\$34,728.75
Replace urinal screen, stainless steel	30	6.00 Ea.	\$4,416.28	\$5,113.48	1.0000	1	1	\$5,113.48	\$5,113.48
Replace metal lockers, single tier	20	335.00 Ea.	\$113,784.30	\$131,633.81	1.5000	1	1	\$131,633.81	\$131,633.81
Repair concrete steps	15	11,860.00 S.F.	\$271,001.74	\$313,704.90	2.0000	2	2	\$627,409.79	\$627,409.79
Repair metal steps	15	594.00 S.F.	\$54,728.88	\$63,621.59	2.0000	2	2	\$127,243.18	\$127,243.18
Refinish metal steps	9	594.00 S.F.	\$1,453.19	\$1,778.22	3.3333	3	3	\$5,334.65	\$5,334.65
Refinish metal stair railing, interior	7	66.00 S.F.	\$96.46	\$118.93	4.2857	4	4	\$475.74	\$475.74
Refinish wood stair railing, interior	7	1,444.00 L.F.	\$2,989.91	\$3,706.03	4.2857	4	4	\$14,824.13	\$14,824.13
Replace rubber steps	18	364.00 L.F.	\$12,609.39	\$14,682.45	1.6667	1	1	\$14,682.45	\$14,682.45
Repair medium weight vinyl wall covering - (2% of walls)	1	27.30 C.S.F.	\$7,422.20	\$8,831.88	30.0000	30	30	\$264,956.26	\$264,956.26
Replace medium weight vinyl wall covering	15	1,365.00 C.S.F.	\$463,299.23	\$556,232.58	2.0000	2	2	\$1,112,465.16	\$1,112,465.16
Repair acoustical tile - (2% of walls)	25	1,260.00 C.S.F.	\$1,069,503.67	\$1,237,055.06	1.2000	1	1	\$1,237,055.06	\$1,237,055.06
Refinish acoustical tile	10	1,260.00 C.S.F.	\$219,358.19	\$266,507.21	3.0000	3	3	\$799,521.62	\$799,521.62
Repair 5/8" drywall - (2% of walls)	20	900,280.00 S.F.	\$1,508,274.34	\$1,835,209.04	1.5000	1	1	\$1,835,209.04	\$1,835,209.04
Refinish drywall	4	900,280.00 S.F.	\$559,057.19	\$687,733.04	7.5000	7	7	\$4,814,131.27	\$4,814,131.27
Office painting, 10' x 15', 10' high walls	5	216.00 Ea.	\$54,259.44	\$66,555.09	6.0000	6	6	\$399,330.51	\$399,330.51
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	394.00 C.S.F.	\$323,450.61	\$389,768.69	3.0000	3	3	\$1,169,306.06	\$1,169,306.06
Refinish concrete floor finished	25	325.00 C.S.F.	\$137,093.87	\$164,671.08	1.2000	1	1	\$164,671.08	\$164,671.08
Replace epoxy flooring	15	1,161.00 C.S.F.	\$1,304,439.02	\$1,560,923.60	2.0000	2	2	\$3,121,847.20	\$3,121,847.20
Replace vinyl tile flooring	18	21,536.00 S.Y.	\$1,063,953.29	\$1,306,590.04	1.6667	1	1	\$1,306,590.04	\$1,306,590.04

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Replace vinyl sheet flooring	18	3,120.00 S.Y.	\$284,905.59	\$341,080.37	1.6667	1	1	\$341,080.37	\$341,080.37
Replace rubber tile floor	18	1,990.00 S.Y.	\$386,110.47	\$455,643.25	1.6667	1	1	\$455,643.25	\$455,643.25
Ceramic tile floor repairs - (2% of floors)	15	252.00 C.S.F.	\$159,468.16	\$198,829.43	2.0000	2	2	\$397,658.86	\$397,658.86
Terrazzo floor repairs - (2% of floors)	15	8,475.00 S.F.	\$137,841.75	\$165,058.89	2.0000	2	2	\$330,117.79	\$330,117.79
Replace carpet	8	28,252.00 S.Y.	\$1,554,321.70	\$1,795,044.57	3.7500	3	3	\$5,385,133.70	\$5,385,133.70
Repair gypsum board ceiling - (2% of ceilings)	20	588.00 C.S.F.	\$212,959.26	\$261,438.95	1.5000	1	1	\$261,438.95	\$261,438.95
Refinish gypsum board ceiling, up to 12' high	20	3,208.00 C.S.F.	\$414,133.96	\$511,943.37	1.5000	1	1	\$511,943.37	\$511,943.37
Acoustic tile repairs - (2% of ceilings)	9	2,622.00 C.S.F.	\$2,379,999.03	\$2,766,003.99	3.3333	3	3	\$8,298,011.98	\$8,298,011.98
Refinish acoustic tile ceiling and grid (occupied area)	5	2,622.00 C.S.F.	\$64,383.89	\$80,059.50	6.0000	6	6	\$480,356.99	\$480,356.99
Replace acoustic tile ceiling, fire-rated	20	2,622.00 C.S.F.	\$1,374,527.36	\$1,620,097.31	1.5000	1	1	\$1,620,097.31	\$1,620,097.31
Unplug clogged line flush-tank water closet	5	168.00 Ea.	\$36,690.39	\$45,885.31	6.0000	6	6	\$275,311.84	\$275,311.84
Replace washer / diaphragm in ball cock flush-tank water closet	5	168.00 Ea.	\$3,126.23	\$3,855.27	6.0000	6	6	\$23,131.60	\$23,131.60
Replace valve and ball cock assembly flush-tank water closet	15	168.00 Ea.	\$15,727.86	\$19,415.39	2.0000	2	2	\$38,830.77	\$38,830.77
Install gasket between tank and bowl flush-tank water closet	20	168.00 Ea.	\$6,994.75	\$8,686.01	1.5000	1	1	\$8,686.01	\$8,686.01
Replace flush valve diaphragm for a urinal	7	117.00 Ea.	\$3,067.77	\$3,806.70	4.2857	4	4	\$15,226.78	\$15,226.78
Rebuild flush valve for a urinal	20	117.00 Ea.	\$21,110.75	\$25,442.49	1.5000	1	1	\$25,442.49	\$25,442.49
Replace washer in spud connection lavatory, vitreous china	7	378.00 Ea.	\$6,222.86	\$7,590.25	4.2857	4	4	\$30,361.01	\$30,361.01
Replace washer in faucet lavatory, vitreous china	2	378.00 Ea.	\$4,870.53	\$6,067.59	15.0000	15	15	\$91,013.82	\$91,013.82
Replace faucets lavatory, vitreous china	10	378.00 Ea.	\$68,692.37	\$82,689.54	3.0000	3	3	\$248,068.62	\$248,068.62
Replace faucet washer sink, stainless steel	2	264.00 Ea.	\$3,372.96	\$4,201.82	15.0000	15	15	\$63,027.24	\$63,027.24
Replace faucets sink, stainless steel	10	264.00 Ea.	\$47,975.62	\$57,751.42	3.0000	3	3	\$173,254.27	\$173,254.27
Unstop sink, stainless steel	2	264.00 Ea.	\$11,040.88	\$13,807.81	15.0000	15	15	\$207,117.21	\$207,117.21
Replace washer in faucet laundry sink, plastic	2	103.00 Ea.	\$1,315.97	\$1,639.34	15.0000	15	15	\$24,590.17	\$24,590.17
Replace faucets laundry sink, plastic	10	103.00 Ea.	\$18,717.76	\$22,531.81	3.0000	3	3	\$67,595.42	\$67,595.42
Clean out strainer and P trap laundry sink, plastic	2	103.00 Ea.	\$3,591.54	\$4,491.62	15.0000	15	15	\$67,374.23	\$67,374.23
Replace group wash fountain, 54" diameter	20	14.00 Ea.	\$185,683.69	\$212,710.33	1.5000	1	1	\$212,710.33	\$212,710.33
Inspect / clean shower head bathtub, fiberglass	3	104.00 Ea.	\$5,136.85	\$6,424.19	10.0000	10	10	\$64,241.93	\$64,241.93
Replace mixing valve barrel bathtub, fiberglass	2	104.00 Ea.	\$29,389.40	\$34,561.22	15.0000	15	15	\$518,418.23	\$518,418.23
Replace mixing valve bathtub, fiberglass	10	104.00 Ea.	\$28,691.74	\$34,897.74	3.0000	3	3	\$104,693.22	\$104,693.22
Inspect / clean shower head fiberglass	3	58.00 Ea.	\$2,864.78	\$3,582.72	10.0000	10	10	\$35,827.23	\$35,827.23

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Replace mixing valve barrel shower, fiberglass	2	58.00 Ea.	\$16,390.24	\$19,274.52	15.0000	15	15	\$289,117.86	\$289,117.86
Inspect for leaks steam converter, domestic hot water	1	16.00 Ea.	\$108.28	\$135.42	30.0000	30	30	\$4,062.46	\$4,062.46
Inspect/check pump/motor operation, lubricate circulation pump, bronze 1 HP	0.5	6.00 Ea.	\$48.17	\$60.24	60.0000	60	60	\$3,614.16	\$3,614.16
Replace pump / motor assembly circulation pump, bronze 1 HP	20	6.00 Ea.	\$34,610.88	\$39,682.74	1.5000	1	1	\$39,682.74	\$39,682.74
Replace water softener	15	4.00 Ea.	\$6,133.38	\$7,230.86	2.0000	2	2	\$14,461.73	\$14,461.73
Unclog main drain pipe & fittings, cast iron	10	152.00 Ea.	\$7,017.32	\$8,775.92	3.0000	3	3	\$26,327.77	\$26,327.77
Repair joint pipe and fittings, PVC	10	88.00 Ea.	\$13,313.66	\$16,543.96	3.0000	3	3	\$49,631.88	\$49,631.88
Unclog 4" - 12" diameter main drain per L.F.	10	305.00 L.F.	\$1,156.28	\$1,446.06	3.0000	3	3	\$4,338.17	\$4,338.17
Clean floor drain w/o bucket	4	51.00 Ea.	\$5,983.19	\$7,482.63	7.5000	7	7	\$52,378.40	\$52,378.40
General maintenance & repair distribution: gutters, pipe	1	2.20 M.L.F.	\$664.48	\$831.01	30.0000	30	30	\$24,930.28	\$24,930.28
General maintenance & repair drain: roof, scupper, area	1	45.00 Ea.	\$1,664.44	\$2,081.56	30.0000	30	30	\$62,446.94	\$62,446.94
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	4.00 Ea.	\$47.80	\$59.77	30.0000	30	30	\$1,793.22	\$1,793.22
Resolder joint pipe & fittings, anesthesia	12	68.00 Ea.	\$3,725.97	\$4,593.64	2.5000	2	2	\$9,187.27	\$9,187.27
Replace pipe and fittings, anesthesia	25	19,412.00 L.F.	\$503,228.12	\$606,034.50	1.2000	1	1	\$606,034.50	\$606,034.50
Resolder joint pipe & fittings, oxygen	12	68.00 Ea.	\$4,903.40	\$6,066.14	2.5000	2	2	\$12,132.29	\$12,132.29
Replace pipe and fittings, oxygen	25	19,412.00 L.F.	\$503,228.12	\$606,034.50	1.2000	1	1	\$606,034.50	\$606,034.50
General maintenance pipe & fittings, compressed air	2	4.20 M.L.F.	\$155.12	\$193.99	15.0000	15	15	\$2,909.91	\$2,909.91
Check and adjust 10 H.P. compressor	1	3.00 Ea.	\$253.99	\$317.64	30.0000	30	30	\$9,529.35	\$9,529.35
Replace 10 H.P. compressor	25	3.00 Ea.	\$31,280.10	\$36,736.93	1.2000	1	1	\$36,736.93	\$36,736.93
Check and adjust 25 H.P. compressor	1	11.00 Ea.	\$931.31	\$1,164.70	30.0000	30	30	\$34,940.94	\$34,940.94
Replace 25 H.P. compressor	25	11.00 Ea.	\$274,748.85	\$319,006.02	1.2000	1	1	\$319,006.02	\$319,006.02
Replace 275 gallon fuel oil storage tank	30	9.00 Ea.	\$8,508.39	\$10,097.51	1.0000	1	1	\$10,097.51	\$10,097.51
Install 10' sect. 3/8" type L copper per M.L.F. fuel oil storage	20	14.50 Ea.	\$2,326.52	\$2,870.32	1.5000	1	1	\$2,870.32	\$2,870.32
Install new 2" gasket, 1 per M.L.F. natural gas, steel/iron	30	22.00 Ea.	\$2,834.19	\$3,519.16	1.0000	1	1	\$3,519.16	\$3,519.16
Replace 10' of hung 2" diam steel pipe/M.L.F. natural gas	12	14.00 Ea.	\$7,693.59	\$9,486.49	2.5000	2	2	\$18,972.97	\$18,972.97
Replace solar panel 3' x 8'	15	62.00 Ea.	\$87,359.07	\$101,926.18	2.0000	2	2	\$203,852.37	\$203,852.37
Repair boiler, gas/oil, 20,000 MBH	7	3.00 Ea.	\$55,458.02	\$64,065.53	4.2857	4	4	\$256,262.11	\$256,262.11
Replace boiler, gas/oil, 20,000 MBH	30	3.00 Ea.	\$2,040,346.22	\$2,432,082.87	1.0000	1	1	\$2,432,082.87	\$2,432,082.87
Repair feed water supply pump	15	3.00 Ea.	\$10,694.54	\$12,393.21	2.0000	2	2	\$24,786.42	\$24,786.42
Replace feed water pump	15	3.00 Ea.	\$74,904.04	\$85,900.06	2.0000	2	2	\$171,800.13	\$171,800.13
Repair deaerator	10	3.00 Ea.	\$223.23	\$279.17	3.0000	3	3	\$837.52	\$837.52
Replace metal flue, all fuel SS, 10" diameter metal flue / chimney	15	24.00 L.F.	\$3,480.35	\$4,039.16	2.0000	2	2	\$8,078.33	\$8,078.33
Repair cooling tower, 1000 ton	10	4.00 Ea.	\$77,182.53	\$90,231.23	3.0000	3	2	\$270,693.69	\$180,462.46
Replace cooling tower, 1000 ton	15	4.00 Ea.	\$426,987.19	\$495,115.96	2.0000	2	2	\$990,231.92	\$990,231.92

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair open centrifugal chiller, 1000 ton	10	4.00 Ea.	\$620,614.55	\$724,528.54	3.0000	3	2	\$2,173,585.63	\$1,449,057.09
Replace open centrifugal chiller, 1000 ton	20	4.00 Ea.	\$2,276,914.22	\$2,607,705.43	1.5000	1	1	\$2,607,705.43	\$2,607,705.43
Replace fan coil, DX 3 ton, with heat	15	148.00 Ea.	\$340,285.68	\$399,765.53	2.0000	2	2	\$799,531.05	\$799,531.05
Repair fan, induced draft, 6700 CFM	10	11.00 Ea.	\$3,330.19	\$4,064.83	3.0000	3	3	\$12,194.50	\$12,194.50
Replace fan, induced draft, 6700 CFM	20	11.00 Ea.	\$57,396.68	\$66,308.84	1.5000	1	1	\$66,308.84	\$66,308.84
Repair fan, induced draft, 17,700 CFM	10	12.00 Ea.	\$3,941.89	\$4,807.80	3.0000	3	3	\$14,423.39	\$14,423.39
Replace fan, induced draft, 17,700 CFM	20	12.00 Ea.	\$165,000.45	\$190,885.49	1.5000	1	1	\$190,885.49	\$190,885.49
Replace fan & motor, propeller exhaust, 1000 CFM exhaust fan	15	8.00 Ea.	\$6,835.02	\$8,056.43	2.0000	2	2	\$16,112.87	\$16,112.87
Replace roof mounted exhaust fan, 2000 CFM exhaust fan	20	14.00 Ea.	\$37,390.10	\$43,501.53	1.5000	1	1	\$43,501.53	\$43,501.53
Replace axial flow fan, 6400 CFM exhaust fan	10	4.00 Ea.	\$12,548.55	\$14,671.75	3.0000	3	3	\$44,015.26	\$44,015.26
Replace axial flow fan, 28,000 CFM exhaust fan	10	2.00 Ea.	\$12,881.60	\$15,037.61	3.0000	3	3	\$45,112.83	\$45,112.83
Repair flash tank 24 gallon	5	3.00 Ea.	\$1,319.82	\$1,650.58	6.0000	6	6	\$9,903.48	\$9,903.48
Replace steam trap, 15 PSIG, 3/4" threaded	7	15.00 Ea.	\$4,269.72	\$4,975.75	4.2857	4	4	\$19,903.00	\$19,903.00
Replace steam trap, 15 PSIG, 1" threaded	7	18.00 Ea.	\$5,271.71	\$6,149.18	4.2857	4	4	\$24,596.72	\$24,596.72
Replace steam trap, 15 PSIG, 2" threaded	7	24.00 Ea.	\$30,637.63	\$35,342.67	4.2857	4	4	\$141,370.67	\$141,370.67
Repair circulator pump, 1/12 - 3/4 H.P.	5	6.00 Ea.	\$588.80	\$694.39	6.0000	6	6	\$4,166.33	\$4,166.33
Repair circulator pump, 1 H.P.	5	6.00 Ea.	\$590.16	\$696.10	6.0000	6	6	\$4,176.60	\$4,176.60
Refill expansion tank	5	3.00 Ea.	\$44.48	\$55.63	6.0000	6	6	\$333.78	\$333.78
Repair damaged pipe insulation, fiberglass 2"	5	158.00 Ea.	\$3,792.58	\$4,635.42	6.0000	6	6	\$27,812.50	\$27,812.50
Repair single zone rooftop unit, 7.5 ton	10	26.00 Ea.	\$89,068.70	\$105,742.99	3.0000	3	3	\$317,228.98	\$317,228.98
Replace single zone rooftop unit, 7.5 ton	15	26.00 Ea.	\$288,460.71	\$341,509.41	2.0000	2	2	\$683,018.82	\$683,018.82
Repair central station A.H.U., 16,000 CFM	10	16.00 Ea.	\$24,045.12	\$27,936.57	3.0000	3	2	\$83,809.70	\$55,873.13
Replace central station A.H.U., 16,000 CFM	15	16.00 Ea.	\$1,071,034.40	\$1,232,721.25	2.0000	2	2	\$2,465,442.50	\$2,465,442.50
Inspect sprinkler system	1	2.00 Ea.	\$68.65	\$85.86	30.0000	30	30	\$2,575.72	\$2,575.72
Replace sprinkler head	20	3,192.00 Ea.	\$272,988.77	\$335,764.90	1.5000	1	1	\$335,764.90	\$335,764.90
Rebuild double check 6" backflow preventer sprinkler system	1	2.00 Ea.	\$1,730.05	\$2,074.67	30.0000	30	30	\$62,240.18	\$62,240.18
Replace fire pump / electric motor assembly 100 H.P.	25	2.00 Ea.	\$88,278.17	\$101,820.68	1.2000	1	1	\$101,820.68	\$101,820.68
Repair 500 kva transformer, primary, liquid filled	10	4.00 Ea.	\$11,262.92	\$12,948.21	3.0000	3	3	\$38,844.63	\$38,844.63
Maintenance and inspection primary transformer, liquid filled	0.5	4.00 Ea.	\$162.58	\$203.69	60.0000	60	60	\$12,221.15	\$12,221.15
Repair switchgear 1200 A mainframe	5	12.00 Ea.	\$22,854.46	\$26,730.90	6.0000	6	6	\$160,385.38	\$160,385.38
Maintenance and inspection switchgear, mainframe	1	12.00 Ea.	\$777.32	\$973.87	30.0000	30	30	\$29,216.19	\$29,216.19

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair switchgear, - (5% of total C.B.), indoor, less than 600 V	10	20.00 Ea.	\$10,781.10	\$12,542.73	3.0000	3	3	\$37,628.18	\$37,628.18
Maintenance and repair motor starter, up to 600 V	5	96.00 Ea.	\$26,845.33	\$32,409.41	6.0000	6	6	\$194,456.47	\$194,456.47
Replace starter motor starter, up to 600 V	18	96.00 Ea.	\$77,309.84	\$91,975.13	1.6667	1	1	\$91,975.13	\$91,975.13
Maintenance and repair motor starter, 600 V	3	96.00 Ea.	\$66,123.17	\$81,219.33	10.0000	10	10	\$812,193.30	\$812,193.30
Maintenance and repair secondary transformer, dry	10	21.00 Ea.	\$4,881.24	\$5,843.59	3.0000	3	2	\$17,530.77	\$11,687.18
Replace transformer 15 KVA	30	32.00 Ea.	\$107,868.36	\$128,273.53	1.0000	1	1	\$128,273.53	\$128,273.53
Replace transformer 112.5 KVA	30	11.00 Ea.	\$98,419.08	\$114,709.07	1.0000	1	1	\$114,709.07	\$114,709.07
Replace transformer 500 KVA	30	10.00 Ea.	\$277,731.09	\$320,892.05	1.0000	1	1	\$320,892.05	\$320,892.05
Maintenance and inspection lighting panel, indoor	3	26.00 Ea.	\$1,056.75	\$1,323.96	10.0000	10	10	\$13,239.58	\$13,239.58
Replace wireway, 8" x 8"	20	5,785.00 L.F.	\$401,875.08	\$486,677.15	1.5000	1	1	\$486,677.15	\$486,677.15
Maintenance and repair breaker, molded case, 480 V, 2 pole	20	10.00 Ea.	\$717.63	\$899.08	1.5000	1	1	\$899.08	\$899.08
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	320.00 Ea.	\$13,006.19	\$16,294.87	3.7500	3	3	\$48,884.61	\$48,884.61
Maintenance and inspection safety switch, 3 pole, heavy duty	1	320.00 Ea.	\$13,006.19	\$16,294.87	30.0000	30	30	\$488,846.13	\$488,846.13
Replace receptacle/plug receptacles and plugs	20	7,466.00 Ea.	\$537,220.28	\$662,209.13	1.5000	1	1	\$662,209.13	\$662,209.13
Replace 4-pin receptacle	20	1,056.00 Ea.	\$154,440.67	\$183,586.46	1.5000	1	1	\$183,586.46	\$183,586.46
Maintenance and repair contactors and relays	3	16.00 Ea.	\$4,052.85	\$4,997.31	10.0000	10	10	\$49,973.12	\$49,973.12
Maintenance and inspection contactors and relays	0.5	16.00 Ea.	\$324.14	\$406.10	60.0000	60	60	\$24,365.92	\$24,365.92
Replace wiring devices, switches	15	1,520.00 Ea.	\$99,374.24	\$123,457.28	2.0000	2	2	\$246,914.55	\$246,914.55
Maintenance and repair incandescent lighting fixtures	10	1,183.00 Ea.	\$81,468.10	\$96,988.30	3.0000	3	3	\$290,964.89	\$290,964.89
Replace incandescent lighting fixture lamp, 200 W	5	1,183.00 Ea.	\$11,493.73	\$14,034.26	6.0000	6	6	\$84,205.57	\$84,205.57
Replace fluorescent light fixture ballast, 80 W	10	7,257.00 Ea.	\$904,718.91	\$1,097,528.63	3.0000	3	3	\$3,292,585.89	\$3,292,585.89
Replace lamps (2 lamps), 4', 34 W energy saver	10	7,257.00 Ea.	\$182,978.13	\$229,168.33	3.0000	3	3	\$687,504.99	\$687,504.99
Replace metal halide ballast, 175 W	10	146.00 Ea.	\$21,678.74	\$26,031.94	3.0000	3	3	\$78,095.83	\$78,095.83
Replace metal halide fixture lamp, 175 W	5	146.00 Ea.	\$7,298.13	\$8,928.44	6.0000	6	6	\$53,570.61	\$53,570.61
Replace high pressure sodium ballast, 250 W	10	48.00 Ea.	\$9,304.73	\$11,032.85	3.0000	3	2	\$33,098.54	\$22,065.69
Replace high pressure sodium fixture lamp, 250 W	10	48.00 Ea.	\$2,671.57	\$3,244.68	3.0000	3	3	\$9,734.03	\$9,734.03
Replace high pressure sodium fixture, 250 W	20	48.00 Ea.	\$58,518.43	\$68,115.14	1.5000	1	1	\$68,115.14	\$68,115.14
Maintenance and repair master clock control	10	1.00 Ea.	\$191.92	\$230.28	3.0000	3	3	\$690.83	\$690.83
Check operation master clock control	1	1.00 Ea.	\$43.18	\$54.10	30.0000	30	30	\$1,623.12	\$1,623.12
Replace master clock program bell	15	1.00 Ea.	\$234.44	\$282.09	2.0000	2	2	\$564.17	\$564.17
Maintenance and repair TV cable outlet	10	568.00 Ea.	\$29,134.51	\$36,385.00	3.0000	3	3	\$109,155.01	\$109,155.01

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Inspect nurse call master station**	0.5	12.00 Ea.	\$2,072.86	\$2,597.00	60.0000	60	60	\$155,819.70	\$155,819.70	
Inspect nurse call remote station**	1	120.00 Ea.	\$3,124.53	\$3,914.59	30.0000	30	30	\$117,437.64	\$117,437.64	
Repair smoke detector	10	180.00 Ea.	\$10,149.77	\$12,548.53	3.0000	3	3	\$37,645.60	\$37,645.60	
Check operation smoke detector	1	180.00 Ea.	\$2,914.96	\$3,652.02	30.0000	30	30	\$109,560.73	\$109,560.73	
Repair heat detector	10	180.00 Ea.	\$11,047.97	\$13,569.22	3.0000	3	3	\$40,707.67	\$40,707.67	
Check operation heat detector	1	180.00 Ea.	\$2,914.96	\$3,652.02	30.0000	30	30	\$109,560.73	\$109,560.73	
Check and repair manual pull station	10	43.00 Ea.	\$3,770.96	\$4,636.70	3.0000	3	3	\$13,910.11	\$13,910.11	
Minor repairs to fire alarm control panel	5	30.00 Ea.	\$4,491.17	\$5,468.25	6.0000	6	6	\$32,809.49	\$32,809.49	
Maintenance and inspection fire alarm control panel	0.5	30.00 Ea.	\$1,295.54	\$1,623.12	60.0000	60	60	\$97,387.32	\$97,387.32	
Minor repairs to annunciation panel	5	4.00 Ea.	\$598.82	\$729.10	6.0000	6	6	\$4,374.60	\$4,374.60	
Maintenance and inspection annunciation panel	0.5	4.00 Ea.	\$172.74	\$216.42	60.0000	60	60	\$12,984.98	\$12,984.98	
Maintenance and repair electrical service ground	25	24.90 M.L.F.	\$2,188.44	\$2,733.70	1.2000	1	1	\$2,733.70	\$2,733.70	
Maintenance and repair building structure ground	7	24.90 M.L.F.	\$2,188.44	\$2,733.70	4.2857	4	4	\$10,934.80	\$10,934.80	
Maintenance and repair of general wiring lightning protection system	1	24.90 M.L.F.	\$2,408.42	\$2,983.68	30.0000	30	30	\$89,510.41	\$89,510.41	
Maintenance and repair lightning ground rod	1	24.00 Ea.	\$2,109.34	\$2,634.89	30.0000	30	30	\$79,046.75	\$79,046.75	
Maintenance and inspection generator, diesel, 750 KW	0.08	12.00 Ea.	\$777.32	\$973.87	375.0000	375	375	\$365,202.43	\$365,202.43	
Replace diesel generator component, 750 KW	25	2.00 Ea.	\$455,933.87	\$522,205.15	1.2000	1	1	\$522,205.15	\$522,205.15	
Maintenance and repair transfer switch	5	2.00 Ea.	\$714.10	\$861.64	6.0000	6	6	\$5,169.82	\$5,169.82	
Maintenance and inspection transfer switch	0.5	24.00 Ea.	\$975.46	\$1,222.12	60.0000	60	60	\$73,326.92	\$73,326.92	
Replace lamp emergency lighting fixture	2	65.00 Ea.	\$3,554.81	\$4,281.92	15.0000	15	15	\$64,228.77	\$64,228.77	
Replace emergency lighting fixture	20	65.00 Ea.	\$39,153.93	\$46,134.50	1.5000	1	1	\$46,134.50	\$46,134.50	
Maintenance and repair exit light	20	220.00 Ea.	\$8,184.35	\$10,120.69	1.5000	1	1	\$10,120.69	\$10,120.69	
Replace lamp exit light	5	220.00 Ea.	\$3,706.23	\$4,391.96	6.0000	6	6	\$26,351.78	\$26,351.78	
Replace lighting fixture with exit light L.E.D. w/battery unit	20	20.00 Ea.	\$12,975.53	\$15,186.35	1.5000	1	1	\$15,186.35	\$15,186.35	
Maintenance and inspection battery, dry	0.08	22.00 Ea.	\$894.18	\$1,120.27	375.0000	375	375	\$420,102.14	\$420,102.14	
Replace battery, dry	5	22.00 Ea.	\$4,446.69	\$5,135.09	6.0000	6	6	\$30,810.54	\$30,810.54	
Replace fume hood sash	20	2.00 Ea.	\$2,492.02	\$2,859.68	1.5000	1	1	\$2,859.68	\$2,859.68	
Remove and replace hydraulic dock leveler lift cylinder	15	2.00 Ea.	\$16,987.60	\$19,341.21	2.0000	2	2	\$38,682.42	\$38,682.42	
Remove and replace waste compactor hydraulic cylinder	15	2.00 Ea.	\$13,205.80	\$15,043.71	2.0000	2	2	\$30,087.42	\$30,087.42	
Refinish metal handicap ramp	3	1.00 S.F.	\$1.92	\$2.34	10.0000	10	10	\$23.40	\$23.40	
			\$40,610,927.25	\$48,175,992.78				MR Subtotal	\$87,450,947.44	
									MR Per Year	\$2,912,896.06
									PM Total	\$542,582.12
									Subtotal	\$3,455,478.18
									Total Per Unit	\$8.59

FAC 5100 HOSPITAL

SUC \$8.59

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 30

Type PM

Average Size 402128.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, sliding, electric, annualized	42.00	102.82	\$989.18	\$4,260.40	\$0.00	\$5,249.58	\$6,626.62	\$8,053.11
Fire doors, swinging, annualized	102.00	39.98	\$1,460.77	\$1,484.87	\$0.00	\$2,945.63	\$3,537.17	\$4,201.74
Elevator, cable, electric, passenger / freight, annually	8.00	64.90	\$12,147.60	\$5,448.72	\$0.00	\$17,596.32	\$20,445.70	\$23,902.45
Elevator, hydraulic, passenger / freight, annualized	12.00	122.69	\$17,877.60	\$10,356.30	\$0.00	\$28,233.90	\$33,128.55	\$38,917.08
Wheelchair lift, annualized	4.00	4.83	\$105.43	\$406.79	\$0.00	\$512.22	\$644.80	\$782.65
Escalator, electric, annualized	8.00	428.07	\$29,796.00	\$36,013.80	\$0.00	\$65,809.80	\$79,593.54	\$94,867.08
Pneumatic Tube System, annualized	14.00	19.66	\$850.33	\$1,253.95	\$0.00	\$2,104.28	\$2,565.50	\$3,069.24
Urinals, annualized	117.00	26.68	\$739.29	\$1,340.00	\$0.00	\$2,079.29	\$2,555.22	\$3,068.12
Toilet (vacuum breaker type), annualized	123.00	21.77	\$1,038.35	\$1,094.47	\$0.00	\$2,132.81	\$2,564.99	\$3,049.08
Lavatories, annualized	306.00	106.49	\$1,825.26	\$6,335.27	\$0.00	\$8,160.53	\$10,243.64	\$12,418.01
Showers, annualized	162.00	36.94	\$2,088.22	\$2,205.05	\$0.00	\$4,293.28	\$5,163.61	\$6,138.36
Drink fountain, annualized	57.00	35.34	\$1,181.35	\$1,782.70	\$0.00	\$2,964.06	\$3,617.00	\$4,329.02
Valve, butterfly, above 4", annualized	6.00	1.00	\$35.18	\$50.22	\$0.00	\$85.40	\$103.98	\$124.33
Valve, diaphragm, above 4", annualized	54.00	6.59	\$316.65	\$330.64	\$0.00	\$647.28	\$778.14	\$924.83
Water heater, gas, to 120 gal., annualized	36.00	61.96	\$2,110.97	\$3,124.03	\$0.00	\$5,234.99	\$6,383.30	\$7,637.15
Valve, pressure relief, above 4", annualized	3.00	0.44	\$16.83	\$22.33	\$0.00	\$39.17	\$47.55	\$56.77
Valve, sediment strainer, above 4", annually	3.00	0.94	\$16.83	\$47.31	\$0.00	\$64.14	\$80.02	\$96.74
Submersible, 1 H.P. and over, annually	4.00	7.70	\$58.64	\$387.64	\$0.00	\$446.28	\$568.43	\$693.52
Boiler, steam, oil, gas, or comb. fired, over 1000 MBH, annualized	3.00	67.35	\$266.90	\$4,030.57	\$0.00	\$4,297.48	\$5,533.34	\$6,782.55
Deaerator tank, annualized	3.00	4.52	\$74.31	\$272.23	\$0.00	\$346.54	\$435.64	\$528.45
Pump, boiler fuel oil, annualized	4.00	4.93	\$388.22	\$296.02	\$0.00	\$684.24	\$811.87	\$958.91
Pump, condensate return unit, 2 pumps, annualized	4.00	4.57	\$277.01	\$274.87	\$0.00	\$551.89	\$662.05	\$786.06
Water cooling tower, 500 thru 1000 tons, annualized	4.00	70.91	\$630.86	\$4,228.80	\$0.00	\$4,859.66	\$6,191.39	\$7,554.66
Chiller, recip., water cooled, over 50 tons, annually	4.00	5.18	\$109.19	\$311.87	\$0.00	\$421.06	\$525.54	\$635.48
Compressor, DX Refrigeration, to 25 tons, annualized	4.00	9.76	\$129.41	\$588.51	\$0.00	\$717.92	\$907.41	\$1,103.37
Compressor, DX refrigeration, 25 to 100 tons, annualized	4.00	13.02	\$129.41	\$785.85	\$0.00	\$915.26	\$1,163.96	\$1,419.12
Air handling unit, over 50 tons, annualized	24.00	78.62	\$9,584.28	\$3,953.93	\$0.00	\$13,538.21	\$15,682.81	\$18,306.63
Air handling unit, computer room, annualized	2.00	6.83	\$254.77	\$343.59	\$0.00	\$598.36	\$726.92	\$868.21
Fan coil unit, annually	48.00	70.13	\$2,038.18	\$3,531.05	\$0.00	\$5,569.22	\$6,832.36	\$8,197.40
Air filter, electrostatic, annualized	86.00	653.77	\$873.81	\$32,958.21	\$0.00	\$33,832.02	\$43,806.86	\$53,825.40
VAV Boxes, annually	302.00	141.03	\$1,453.33	\$8,513.98	\$0.00	\$9,967.32	\$12,666.85	\$15,439.04
Fire dampers, annualized	16.00	18.51	\$146.39	\$1,113.58	\$0.00	\$1,259.98	\$1,608.69	\$1,964.73
Fan, axial, 5,000 to 10,000 CFM, annualized	30.00	38.70	\$1,076.71	\$1,942.61	\$0.00	\$3,019.32	\$3,709.77	\$4,454.06
Hood and blower, annualized	24.00	55.63	\$1,298.12	\$2,791.01	\$0.00	\$4,089.13	\$5,056.25	\$6,088.27
Centrifugal, over 1 HP, annualized	16.00	19.14	\$187.64	\$958.53	\$0.00	\$1,146.17	\$1,452.49	\$1,768.20
Heat exchanger, steam, annualized	10.00	9.24	\$227.47	\$466.93	\$0.00	\$694.40	\$857.23	\$1,031.43
Package unit, air cooled, 25 thru 50 ton, annualized	10.00	32.49	\$1,769.25	\$1,955.82	\$0.00	\$3,725.07	\$4,488.74	\$5,340.87
Package unit with duct gas heater, annualized	16.00	79.30	\$3,089.62	\$4,792.64	\$0.00	\$7,882.26	\$9,629.01	\$11,530.24
Controls, central system, electro/pneumatic, annualized	4.00	7.68	\$283.08	\$461.64	\$0.00	\$744.72	\$911.53	\$1,092.48
Air compressor, reciprocating, 5 to 40 H.P., annualized	14.00	67.98	\$1,358.78	\$4,070.22	\$0.00	\$5,429.00	\$6,785.95	\$8,210.83
Steam humidification system, annualized	24.00	60.96	\$618.73	\$3,657.91	\$0.00	\$4,276.64	\$5,435.89	\$6,626.07
Dehumidifier, desiccant wheel, annually	24.00	22.44	\$1,649.95	\$1,131.20	\$0.00	\$2,781.16	\$3,285.51	\$3,872.37
Backflow prevention device, over 4", annualized	7.00	3.45	\$93.77	\$206.59	\$0.00	\$300.36	\$371.72	\$447.76
Extinguishing system, wet pipe, annualized	2.00	22.68	\$136.48	\$1,356.74	\$0.00	\$1,493.22	\$1,913.90	\$2,341.39
Fire pump, electric motor driven, annualized	2.00	95.50	\$106.15	\$5,682.45	\$0.00	\$5,788.60	\$7,503.96	\$9,224.61
Extinguishing system, dry chemical, annualized	4.00	22.42	\$20.42	\$1,127.68	\$0.00	\$1,148.10	\$1,488.45	\$1,829.82
Switchboard, with air circuit breaker, annualized	18.00	239.72	\$308.99	\$15,757.56	\$0.00	\$16,066.55	\$20,824.72	\$25,598.33
Circuit breaker, high voltage air, annually	22.00	10.34	\$333.43	\$683.76	\$0.00	\$1,017.19	\$1,255.66	\$1,510.80
Switch, selector, high voltage, air, annualized	14.00	5.71	\$212.18	\$377.10	\$0.00	\$589.28	\$723.63	\$868.59
Transformer, dry type 500 KVA and over, annualized	10.00	7.69	\$151.56	\$507.64	\$0.00	\$659.20	\$826.64	\$1,001.67

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Panelboard, 225 A and above, annualized	32.00	14.11	\$742.32	\$928.26	\$0.00	\$1,670.58	\$2,023.28	\$2,413.11
Motor control center, over 400 A, annualized	12.00	4.67	\$278.37	\$310.80	\$0.00	\$589.17	\$710.25	\$845.24
Central clock systems, annualized	1.00	1.32	\$12.11	\$78.22	\$0.00	\$90.33	\$115.01	\$140.29
Fire alarm annunciator system, annualized	1.00	11.05	\$179.39	\$652.68	\$0.00	\$832.07	\$1,045.82	\$1,268.53
Child Abduction alarm system, annualized**	2.00	7.66	\$325.80	\$453.77	\$0.00	\$779.56	\$948.27	\$1,133.27
Emergency diesel or gas generator, over 15 KVA, annualized	2.00	32.30	\$172.18	\$1,906.24	\$0.00	\$2,078.42	\$2,667.51	\$3,265.21
Uninterrupted power system, 200 KVA to 800 KVA, annualized	4.00	312.23	\$1,158.84	\$18,440.80	\$0.00	\$19,599.64	\$25,247.77	\$30,953.83
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	210.00	52.50	\$1,623.82	\$3,100.23	\$0.00	\$4,724.06	\$5,816.51	\$6,990.15
Light, emergency, wet cell, annualized	210.00	81.90	\$7,144.83	\$4,786.32	\$0.00	\$11,931.15	\$14,081.53	\$16,589.15
Hoist / winch, chain / cable, electric, annualized	2.00	3.30	\$307.13	\$116.01	\$0.00	\$423.14	\$488.66	\$569.53
Dishwasher, electric, annualized **ilo utensil sterilizer 4to1	36.00	169.63	\$4,125.60	\$5,791.03	\$0.00	\$9,916.63	\$12,066.50	\$14,422.65
Ice machine, flake or cube, annualized	25.00	89.60	\$7,678.20	\$3,049.80	\$0.00	\$10,728.00	\$12,410.76	\$14,477.43
Oven, gas / electric, annualized **ilo autoclave 4to1	4.00	44.97	\$165.02	\$1,530.88	\$0.00	\$1,695.90	\$2,171.67	\$2,655.69
Refrigerator freezer, walk-in box w/external condenser, annually	16.00	11.73	\$1,659.41	\$401.86	\$0.00	\$2,061.26	\$2,347.76	\$2,717.23
Water flow meter, turbine, annualized	2.00	1.18	\$37.93	\$56.95	\$0.00	\$94.88	\$115.75	\$138.53
Pump, centrifugal ejector, annualized	3.00	3.59	\$51.16	\$173.40	\$0.00	\$224.56	\$281.69	\$341.38
De-ionization, annually	2.00	4.00	\$1,117.20	\$193.80	\$0.00	\$1,311.00	\$1,480.86	\$1,706.58
De-ionization, annualized	4.00	16.05	\$4,498.20	\$782.00	\$0.00	\$5,280.20	\$5,964.62	\$6,873.95
Water softner, annualized	13.00	70.67	\$1,223.04	\$3,425.50	\$0.00	\$4,648.54	\$5,798.49	\$7,009.60
Fuel oil storage tank, above ground, annualized	4.00	13.10	\$81.14	\$635.80	\$0.00	\$716.94	\$915.80	\$1,118.71
						\$368,556.35	\$452,204.38	\$542,582.12

FAC 5100 HOSPITAL
Modeled Component List
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B10 Superstructure	
Railing, Metal	82.0 L.F.
B20 Exterior Enclosure	
Aluminum Siding, 1st floor	35.0 C.S.F.
B30 Roofing	
Built-Up Roofing	2769.0 Sq.
C10 Interior Construction	
Concrete Block, Painted	260.28 C.S.F.
Toilet Partitions, painted metal	47.0 Ea.
Urinal Screen	6.0 Ea.
Metal Lockers	335.0 Ea.
Fire Doors, Swinging, annualized	102.0 Each
C30 Interior Finishes	
Vinyl Wall Covering	1365.0 C.S.F.
Concrete, Finished	325.0 C.S.F.
Epoxy Flooring	1161.0 C.S.F.
Vinyl	21536.0 S.Y.
Vinyl Sheet	3120.0 S.Y.
Rubber Tile	1990.0 S.Y.
Carpet	28252.0 S.Y.
Acoustic Tile, fire-rated	2622.0 C.S.F.
D20 Plumbing	
Circulation Pump, Bronze 1 HP	6.0 Ea.
Compressed Air Systems, Compressors, 10 H.P.	3.0 Ea.
Compressed Air Systems, Compressors, 25 H.P.	11.0 Ea.
D30 HVAC	
Fuel Oil Storage Tank, 275 Gallon	9.0 Ea.
Boiler, Gas/Oil, 20,000 MBH	3.0 Ea.
Feed Water Supply	3.0 Ea.
Cooling Tower, 1000 ton	4.0 Ea.
Draft Fan, 6700 CFM	11.0 Ea.
Draft Fan, 17,700 CFM	12.0 Ea.
Exhaust Fan, propeller exh., 4700 CFM	8.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 2000 CFM exhaust	14.0 Ea.
Exhaust Fan, axial flow, 6400 CFM	4.0 Ea.
Steam Traps	24.0 Ea.
Single Zone Air Conditioner, 7.5ton	26.0 Ea.
Central Station Air Conditioning Air Handling Unit, 16,000 CFM	16.0 Ea.
D40 Fire Protection	
Sprinkler System, Fire Supression, sprinkler head	3192.0 Ea.
Sprinkler System, Fire Supression , 6" backflow preventer	2.0 Ea.
Fire Pump Electric Motor	2.0 Ea.
Fire Pump, Electric, annualized	2.0 Each
Extinguishing system, dry chemical, annualized	4.0 Each
D50 Electrical	
Motor Starter, Up To 600 V	96.0 Ea.
Secondary Transformer, Dry, 15 KVA	32.0 Ea.
Secondary Transformer, Dry, 112.5 KVA	11.0 Ea.
Secondary Transformer, Dry, 500 KVA	10.0 Ea.
Load Center, 100 A, maintenance & inspection	26.0 Ea.
H.P. Sodium Fixture, 250 W	48.0 Ea.
Generator, Diesel, 750 KW	2.0 Ea.

Emergency Lighting Fixture	65.0 Ea.
UPS, 200 KVA to 800 KVA, annualized	4.0 Each
D10 Conveying	
Elevator, hydraulic annualized	12.0 Each
Wheelchair lift, annualized	4.0 Each
Escalator, annualized	8.0 Each
Pneumatic Tube System, annualized	14.0 Each
E10 Equipment	
Hoist/Winch, Chain/Cable, annualized	2.0 Each
G30 Site Mechanical Utilities	
Water Flow Meter, Turbine, annualized	2.0 Each
Fuel Oil Storage Tank, annualized	4.0 Each

FAC 5100 HOSPITAL
Sustainment by Year
CostWorks Release 2021 Qtr 3

