

FAC 3171 ELECTRONIC AND COMMUNICATION RDTE FACILITY

FY22 SUC: \$7.73 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 3171 ELECTRONIC AND COMMUNICATION RDTE FACILITY

SUC \$7.73

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type MR

Average Size 11933.0

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
Refinish concrete steps	3	32.00 S.F.	\$51.57	\$63.68	18.3333	18	18	\$1,146.29	\$1,146.29
Refinish metal hand rail	7	12.00 L.F.	\$24.76	\$30.51	7.8571	7	7	\$213.59	\$213.59
Waterproof concrete block wall, 1st floor	10	52.40 C.S.F.	\$11,894.93	\$14,148.44	5.5000	5	5	\$70,742.19	\$70,742.19
Point and refinish painted concrete block wall, 1st floor	25	52.40 C.S.F.	\$24,616.32	\$30,381.79	2.2000	2	2	\$60,763.58	\$60,763.58
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	5.20 S.F.	\$62.70	\$73.69	55.0000	55	55	\$4,053.08	\$4,053.08
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	64.00 Ea.	\$9,263.15	\$11,046.97	2.7500	2	2	\$22,093.95	\$22,093.95
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	64.00 Ea.	\$31,240.43	\$37,025.55	1.1000	1	1	\$37,025.55	\$37,025.55
Repair aluminum storefront door	12	2.00 Ea.	\$926.84	\$1,109.03	4.5833	4	4	\$4,436.12	\$4,436.12
Replace insulating glass - (3% of glass) aluminum storefront door	1	1.20 S.F.	\$62.27	\$72.84	55.0000	55	55	\$4,006.13	\$4,006.13
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	1.89 S.F.	\$42.71	\$51.03	55.0000	55	55	\$2,806.74	\$2,806.74
Repair 12' x 12' steel roll-up door	10	1.00 Ea.	\$675.90	\$802.22	5.5000	5	5	\$4,011.08	\$4,011.08
Replace 12' x 12' steel roll-up door	35	1.00 Ea.	\$2,703.58	\$3,208.87	1.5714	1	1	\$3,208.87	\$3,208.87
Debris removal and visual inspection of built-up roofing	0.5	15.30 M.S.F.	\$576.19	\$702.78	110.0000	110	110	\$77,306.06	\$77,306.06
Minor BUR membrane repairs, 2% of roof area	1	2.40 Sq.	\$1,161.93	\$1,378.82	55.0000	55	55	\$75,835.37	\$75,835.37
BUR flashing repairs, 2 S.F. per sq. repaired	1	2.40 S.F.	\$8.40	\$10.20	55.0000	55	55	\$560.86	\$560.86
Minor BUR membrane replacement, 25% of roof area	15	29.70 Sq.	\$23,902.21	\$28,372.81	3.6667	3	3	\$85,118.42	\$85,118.42
Total BUR roof replacement	28	119.00 Sq.	\$92,778.36	\$109,715.90	1.9643	1	1	\$109,715.90	\$109,715.90
Replace Roof edges, aluminum, duranodic, .050" thick, 6" face	25	490.00 L.F.	\$18,312.89	\$21,423.72	2.2000	2	2	\$42,847.45	\$42,847.45
Replace aluminum gutter, enameled, 5" K type, .027 " thick	40	490.00 L.F.	\$4,701.95	\$5,680.87	1.3750	1	1	\$5,680.87	\$5,680.87
Replace aluminum downspout, 3" x 4", .024" thick	25	96.00 L.F.	\$760.10	\$920.23	2.2000	2	2	\$1,840.45	\$1,840.45
Repair steel painted interior door	14	4.00 Ea.	\$1,173.81	\$1,366.26	3.9286	3	3	\$4,098.77	\$4,098.77
Refinish 3'-0" x 7'-0" steel painted interior door	4	4.00 Ea.	\$210.34	\$259.15	13.7500	13	13	\$3,368.89	\$3,368.89
Replace 3'-0" x 7'-0" steel painted interior door	60	4.00 Ea.	\$4,872.14	\$5,648.33	0.9167	0	0	\$0.00	\$0.00
Safety glass replacement, (3% of glass) steel painted interior door	1	1.89 S.F.	\$34.05	\$40.59	55.0000	55	55	\$2,232.55	\$2,232.55
Repair solid core wood door, interior	11	18.00 Ea.	\$5,282.14	\$6,148.15	5.0000	5	5	\$30,740.76	\$30,740.76
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	18.00 Ea.	\$780.57	\$958.49	13.7500	13	12	\$12,460.42	\$11,501.93

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Replace 3'-0" x 7'-0" solid core wood door, interior	40	18.00 Ea.	\$8,809.69	\$10,184.58	1.3750	1	1	\$10,184.58	\$10,184.58
Replace brass lockset interior	30	28.00 Ea.	\$9,217.34	\$10,682.41	1.8333	1	1	\$10,682.41	\$10,682.41
Repair 5/8" drywall - (2% of walls)	20	44.00 S.F.	\$73.71	\$89.69	2.7500	2	2	\$179.39	\$179.39
Refinish drywall	4	2,200.00 S.F.	\$1,366.16	\$1,680.60	13.7500	13	13	\$21,847.83	\$21,847.83
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	22.80 C.S.F.	\$18,717.45	\$22,555.14	5.5000	5	5	\$112,775.71	\$112,775.71
Refinish concrete floor finished	25	35.70 C.S.F.	\$15,059.23	\$18,088.49	2.2000	2	2	\$36,176.97	\$36,176.97
Replace vinyl sheet flooring	18	793.00 S.Y.	\$72,413.50	\$86,691.26	3.0556	3	3	\$260,073.78	\$260,073.78
Replace rubber tile floor	18	132.00 S.Y.	\$25,611.35	\$30,223.57	3.0556	3	3	\$90,670.72	\$90,670.72
Replace carpet	8	89.00 S.Y.	\$4,896.45	\$5,654.78	6.8750	6	6	\$33,928.71	\$33,928.71
Replace acoustic tile ceiling, fire-rated	20	79.30 C.S.F.	\$41,571.33	\$48,998.37	2.7500	2	2	\$97,996.73	\$97,996.73
Replace flush valve diaphragm tankless water closet	10	6.00 Ea.	\$157.32	\$195.22	5.5000	5	5	\$976.08	\$976.08
Rebuild flush valve tankless water closet	20	6.00 Ea.	\$1,082.60	\$1,304.74	2.7500	2	2	\$2,609.49	\$2,609.49
Unplug clogged line tankless water closet	5	6.00 Ea.	\$1,310.37	\$1,638.76	11.0000	11	11	\$18,026.37	\$18,026.37
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$104.88	\$130.14	7.8571	7	7	\$911.00	\$911.00
Rebuild flush valve for a urinal	20	4.00 Ea.	\$721.74	\$869.83	2.7500	2	2	\$1,739.66	\$1,739.66
Unplug line urinal	5	4.00 Ea.	\$580.29	\$725.71	11.0000	11	11	\$7,982.83	\$7,982.83
Replace washer in spud connection lavatory, vitreous china	7	6.00 Ea.	\$98.78	\$120.48	7.8571	7	7	\$843.36	\$843.36
Replace washer in faucet lavatory, vitreous china	2	6.00 Ea.	\$77.31	\$96.31	27.5000	27	27	\$2,600.39	\$2,600.39
Replace faucets lavatory, vitreous china	10	6.00 Ea.	\$1,090.36	\$1,312.53	5.5000	5	5	\$6,562.66	\$6,562.66
Clean out strainer and P trap lavatory, vitreous china	2	6.00 Ea.	\$209.22	\$261.65	27.5000	27	27	\$7,064.48	\$7,064.48
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	35	2.00 Ea.	\$1,273.40	\$1,515.02	1.5714	1	1	\$1,515.02	\$1,515.02
Replace faucet washer sink, laboratory	2	2.00 Ea.	\$25.55	\$31.83	27.5000	27	27	\$859.46	\$859.46
Replace faucets sink, laboratory	10	2.00 Ea.	\$363.45	\$437.51	5.5000	5	5	\$2,187.55	\$2,187.55
Replace sink and fittings, polyethylene lab.	15	2.00 Ea.	\$4,500.78	\$5,247.56	3.6667	3	3	\$15,742.69	\$15,742.69
Check / minor repairs drinking fountain	1	2.00 Ea.	\$97.76	\$122.27	55.0000	55	55	\$6,724.58	\$6,724.58
Correct water pressure drinking fountain	2	2.00 Ea.	\$83.64	\$104.60	27.5000	27	27	\$2,824.33	\$2,824.33
Replace refrigerant drinking fountain	2	2.00 Ea.	\$65.37	\$76.54	27.5000	27	27	\$2,066.54	\$2,066.54
Repair drain leak drinking fountain	4	2.00 Ea.	\$67.83	\$81.07	13.7500	13	13	\$1,053.90	\$1,053.90
Inspect and clean shower head emergency shower station	3	2.00 Ea.	\$98.79	\$123.54	18.3333	18	18	\$2,223.76	\$2,223.76
Replace shower emergency shower station	25	2.00 Ea.	\$1,883.93	\$2,258.23	2.2000	2	2	\$4,516.46	\$4,516.46

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Inspect and clean spray heads, emergency eye wash	3	2.00 Ea.	\$98.79	\$123.54	18.3333	18	18	\$2,223.76	\$2,223.76
Replace eye wash station, emergency eye wash	25	2.00 Ea.	\$2,228.68	\$2,649.99	2.2000	2	2	\$5,299.99	\$5,299.99
Replace pipe and fittings, copper 3/4"	20	136.00 L.F.	\$3,543.33	\$4,268.03	2.7500	2	2	\$8,536.07	\$8,536.07
Replace threaded steel pipe and fittings, 3/4"	75	28.00 L.F.	\$548.93	\$674.87	0.7333	0	0	\$0.00	\$0.00
Repair fan, induced draft, 6700 CFM	10	1.00 Ea.	\$302.74	\$369.53	5.5000	5	5	\$1,847.65	\$1,847.65
Replace fan, induced draft, 6700 CFM	20	1.00 Ea.	\$5,217.88	\$6,028.08	2.7500	2	2	\$12,056.15	\$12,056.15
Replace fan & motor, propeller exhaust, 1000 CFM exhaust fan	15	1.00 Ea.	\$854.38	\$1,007.05	3.6667	3	3	\$3,021.16	\$3,021.16
Repair computer room A/C, chilled water, 5 ton	10	1.00 Ea.	\$7,987.62	\$9,348.50	5.5000	5	3	\$46,742.48	\$28,045.49
Replace computer room A/C, chilled water, 5 ton	20	1.00 Ea.	\$26,191.59	\$30,049.22	2.7500	2	2	\$60,098.44	\$60,098.44
Repair single zone rooftop unit, 60 ton	10	1.00 Ea.	\$69,970.36	\$81,893.33	5.5000	5	4	\$409,466.65	\$327,573.32
Replace single zone rooftop unit, 60 ton	15	1.00 Ea.	\$93,908.65	\$109,692.80	3.6667	3	3	\$329,078.39	\$329,078.39
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	60.00 Ea.	\$5,131.37	\$6,311.37	2.7500	2	2	\$12,622.74	\$12,622.74
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 15 KV primary transformer, dry	15	1.00 Ea.	\$257.71	\$311.64	3.6667	3	3	\$934.92	\$934.92
Maintenance and inspection primary transformer, dry	0.5	1.00 Ea.	\$40.64	\$50.92	110.0000	110	110	\$5,601.36	\$5,601.36
Maintenance and repair motor starter, up to 600 V	5	4.00 Ea.	\$1,118.56	\$1,350.39	11.0000	11	11	\$14,854.31	\$14,854.31
Maintenance and inspection lighting panel, indoor	3	4.00 Ea.	\$162.58	\$203.69	18.3333	18	18	\$3,666.35	\$3,666.35
Replace load center, 100 A	20	4.00 Ea.	\$4,376.66	\$5,347.50	2.7500	2	2	\$10,695.01	\$10,695.01
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	8.00 Ea.	\$574.10	\$719.27	2.7500	2	2	\$1,438.53	\$1,438.53
Maintenance and repair breaker, enclosed, 240 V, 1 pole	25	64.00 Ea.	\$4,592.81	\$5,754.13	2.2000	2	2	\$11,508.25	\$11,508.25
Maintenance and repair breaker, enclosed, 240 V, 2 pole	25	64.00 Ea.	\$4,592.81	\$5,754.13	2.2000	2	2	\$11,508.25	\$11,508.25
Maintenance and repair safety switch general, 2 pole	8	6.00 Ea.	\$243.87	\$305.53	6.8750	6	6	\$1,833.17	\$1,833.17
Maintenance and inspection safety switch, 2 pole	1	6.00 Ea.	\$243.87	\$305.53	55.0000	55	55	\$16,804.09	\$16,804.09
Replace 4-pin receptacle	20	112.00 Ea.	\$16,380.07	\$19,471.29	2.7500	2	2	\$38,942.58	\$38,942.58
Maintenance and repair contactors and relays	3	8.00 Ea.	\$2,026.43	\$2,498.66	18.3333	18	18	\$44,975.81	\$44,975.81
Replace wiring devices, switches	15	18.00 Ea.	\$1,176.80	\$1,461.99	3.6667	3	3	\$4,385.98	\$4,385.98
Replace fluorescent light fixture ballast, 80 W	10	66.00 Ea.	\$8,228.12	\$9,981.66	5.5000	5	5	\$49,908.29	\$49,908.29
Replace lamps (2 lamps), 4', 34 W energy saver	10	66.00 Ea.	\$1,664.13	\$2,084.21	5.5000	5	5	\$10,421.05	\$10,421.05
Maintenance and repair TV cable outlet	10	12.00 Ea.	\$615.52	\$768.70	5.5000	5	5	\$3,843.49	\$3,843.49
Repair smoke detector	10	16.00 Ea.	\$902.20	\$1,115.43	5.5000	5	4	\$5,577.13	\$4,461.70
Check operation smoke detector	1	16.00 Ea.	\$259.11	\$324.62	55.0000	55	55	\$17,854.34	\$17,854.34

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Replace smoke detector	15	16.00 Ea.	\$4,547.80	\$5,431.39	3.6667	3	3	\$16,294.17	\$16,294.17
Repair heat detector	10	12.00 Ea.	\$736.53	\$904.61	5.5000	5	5	\$4,523.07	\$4,523.07
Check and repair manual pull station	10	4.00 Ea.	\$350.79	\$431.32	5.5000	5	4	\$2,156.61	\$1,725.28
Replace manual pull station	15	4.00 Ea.	\$813.87	\$979.76	3.6667	3	3	\$2,939.29	\$2,939.29
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	4.00 Ea.	\$779.85	\$941.10	2.7500	2	2	\$1,882.20	\$1,882.20
Replace EMS, Three Phase, 5 Meters	15	2.00 Ea.	\$31,604.92	\$36,799.58	3.6667	3	3	\$110,398.74	\$110,398.74
Replace EMS, Mech, BTU, 3 Meters, 3 Duct Sensors, 3 Space Sensors	20	2.00 Ea.	\$34,275.44	\$40,061.35	2.7500	2	2	\$80,122.70	\$80,122.70
Maintenance and repair building structure ground	7	1.10 M.L.F.	\$96.68	\$120.77	7.8571	7	7	\$845.36	\$845.36
Replace building structure ground	50	1.10 M.L.F.	\$4,771.16	\$5,850.48	1.1000	1	1	\$5,850.48	\$5,850.48
Maintenance and repair of general wiring lightning protection system	1	1.10 M.L.F.	\$106.40	\$131.81	55.0000	55	55	\$7,249.50	\$7,249.50
Maintenance and repair lightning ground rod	1	4.00 Ea.	\$351.56	\$439.15	55.0000	55	53	\$24,153.17	\$23,274.88
Replace lightning ground rod	25	4.00 Ea.	\$904.36	\$1,121.16	2.2000	2	2	\$2,242.32	\$2,242.32
Maintenance and repair computer ground system	4	1.00 Ea.	\$21.59	\$27.05	13.7500	13	13	\$351.68	\$351.68
Replace computer ground system	50	0.80 M.L.F.	\$1,492.65	\$1,823.08	1.1000	1	1	\$1,823.08	\$1,823.08
Maintenance and inspection generator, diesel, 750 KW	0.08	1.00 Ea.	\$64.78	\$81.16	687.5000	687	687	\$55,754.24	\$55,754.24
Replace diesel generator component, 750 KW	25	1.00 Ea.	\$227,966.93	\$261,102.57	2.2000	2	2	\$522,205.15	\$522,205.15
Maintenance and repair transfer switch	5	1.00 Ea.	\$357.05	\$430.82	11.0000	11	11	\$4,739.00	\$4,739.00
Replace transfer switch	18	1.00 Ea.	\$26,292.51	\$30,100.27	3.0556	3	3	\$90,300.82	\$90,300.82
Replace lamp emergency lighting fixture	2	8.00 Ea.	\$437.52	\$527.01	27.5000	27	27	\$14,229.14	\$14,229.14
Replace emergency lighting fixture	20	8.00 Ea.	\$4,818.94	\$5,678.09	2.7500	2	2	\$11,356.18	\$11,356.18
Maintenance and repair exit light	20	8.00 Ea.	\$297.61	\$368.03	2.7500	2	2	\$736.05	\$736.05
Replace lamp exit light	5	8.00 Ea.	\$134.77	\$159.71	11.0000	11	11	\$1,756.79	\$1,756.79
Maintenance and inspection UPS battery	0.17	1.00 Ea.	\$64.78	\$81.16	323.5294	323	323	\$26,213.42	\$26,213.42
Maintenance and repair voice/data outlet	10	24.00 Ea.	\$1,231.04	\$1,537.39	5.5000	5	5	\$7,686.97	\$7,686.97
Overhaul water heater, gas / oil, 70 gallon	5	2.00 Ea.	\$327.40	\$409.45	11.0000	11	11	\$4,503.98	\$4,503.98
Clean & service water heater, gas / oil, 70 gallon	1	2.00 Ea.	\$393.23	\$491.78	55.0000	55	55	\$27,047.77	\$27,047.77
Replace water heater, gas / oil, 70 gallon	12	2.00 Ea.	\$6,630.33	\$7,694.81	4.5833	4	4	\$30,779.24	\$30,779.24
Inspect / check pump / motor operation, lubricate circulation pump, 1/12 HP	0.5	2.00 Ea.	\$16.06	\$20.08	110.0000	110	110	\$2,208.65	\$2,208.65
Replace pump / motor assembly circulation pump, 1/12 HP	10	2.00 Ea.	\$2,201.15	\$2,579.99	5.5000	5	5	\$12,899.95	\$12,899.95

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Unclog main drain pipe & fittings, cast iron	10	4.00 Ea.	\$184.67	\$230.95	5.5000	5	5	\$1,154.73	\$1,154.73	
Unclog floor drain, PVC	20	4.00 Ea.	\$191.18	\$239.10	2.7500	2	2	\$478.19	\$478.19	
Replace pipe, 4" pipe and fittings, PVC	30	26.00 L.F.	\$2,121.31	\$2,609.99	1.8333	1	1	\$2,609.99	\$2,609.99	
Clean out bucket floor drain with bucket	5	1.00 Ea.	\$294.38	\$368.15	11.0000	11	11	\$4,049.69	\$4,049.69	
General maintenance & repair drain: roof, scupper, area	1	4.00 Ea.	\$147.95	\$185.03	55.0000	55	55	\$10,176.54	\$10,176.54	
Replace drain: roof, scupper, area	40	4.00 Ea.	\$3,147.73	\$3,649.44	1.3750	1	1	\$3,649.44	\$3,649.44	
Replace 10' of buried 4" diam steel pipe/M.L.F. natural gas	12	1.00 Ea.	\$930.64	\$1,130.78	4.5833	4	4	\$4,523.14	\$4,523.14	
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,785.82	\$6,733.75	7.8571	7	7	\$47,136.22	\$47,136.22	
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$39,838.14	\$46,620.21	1.8333	1	1	\$46,620.21	\$46,620.21	
Repair fan coil unit, 30 ton	10	3.00 Ea.	\$4,441.65	\$5,154.56	5.5000	5	4	\$25,772.79	\$20,618.23	
Replace fan coil unit, 30 ton	15	3.00 Ea.	\$42,327.24	\$49,399.59	3.6667	3	3	\$148,198.76	\$148,198.76	
			\$1,171,555.51	\$1,375,591.55				MR Subtotal	\$3,919,511.52	
									MR Per Year	\$71,141.41
									PM Total	\$21,095.77
									Subtotal	\$92,237.18
									Total Per Unit	\$7.73

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SUC \$7.73

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 55

Type PM

Average Size 11933.0

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
Door, overhead, electric, roll up, to 24' high x 25' wide, annualized	1.00	4.07	\$40.96	\$168.81	\$0.00	\$209.77	\$264.51	\$321.30
Urinals, annualized	4.00	0.91	\$25.27	\$45.81	\$0.00	\$71.09	\$87.36	\$104.89
Toilet (vacuum breaker type), annualized	6.00	1.06	\$50.65	\$53.39	\$0.00	\$104.04	\$125.12	\$148.74
Lavatories, annualized	6.00	2.09	\$35.79	\$124.22	\$0.00	\$160.01	\$200.86	\$243.49
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	2.00	3.44	\$117.28	\$173.56	\$0.00	\$290.83	\$354.63	\$424.29
Boiler, hot water, oil, gas, or comb. fired, 500 -1000 MBH, annualized	1.00	17.38	\$77.34	\$1,057.20	\$0.00	\$1,134.54	\$1,459.44	\$1,788.20
Fan coil unit, annualized	4.00	13.35	\$452.93	\$673.08	\$0.00	\$1,126.01	\$1,373.23	\$1,643.09
Air filter, electrostatic, annualized	4.00	30.41	\$40.64	\$1,532.94	\$0.00	\$1,573.58	\$2,037.53	\$2,503.51
Fire dampers, annualized	4.00	4.63	\$36.60	\$278.40	\$0.00	\$314.99	\$402.17	\$491.18
Fan, axial, up to 5,000 CFM, annualized	1.00	1.24	\$11.73	\$62.55	\$0.00	\$74.28	\$94.22	\$114.74
Package unit, air cooled, 25 thru 50 ton, annualized	1.00	3.25	\$176.92	\$195.58	\$0.00	\$372.51	\$448.87	\$534.09
Package unit, computer room, annualized	1.00	4.34	\$148.62	\$260.78	\$0.00	\$409.39	\$502.49	\$603.01
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Dehumidifier, desiccant wheel, annualized	1.00	5.06	\$73.30	\$253.73	\$0.00	\$327.03	\$410.47	\$497.59
Backflow prevention device, up to 4", annually	4.00	1.33	\$53.58	\$79.29	\$0.00	\$132.87	\$162.02	\$193.84
Extinguishing system, wet pipe, annualized	1.00	11.34	\$68.24	\$678.37	\$0.00	\$746.61	\$956.95	\$1,170.70
Transformer, dry type 500 KVA and over, annually	1.00	0.77	\$15.16	\$50.76	\$0.00	\$65.92	\$82.66	\$100.17
Panelboard, 225 A and above, annualized	4.00	1.76	\$92.79	\$116.03	\$0.00	\$208.82	\$252.91	\$301.64
Motor control center, over 400 A, annually	4.00	1.56	\$92.79	\$103.60	\$0.00	\$196.39	\$236.75	\$281.75
Security, intrusion alarm system, annualized	1.00	3.83	\$162.90	\$226.88	\$0.00	\$389.78	\$474.14	\$566.64
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
Power stablizer, annually	1.00	0.62	\$9.28	\$36.78	\$0.00	\$46.06	\$58.02	\$70.44
Uninterrupted power system, up to 200 KVA, annually	1.00	3.01	\$196.92	\$178.19	\$0.00	\$375.11	\$448.26	\$531.26
Uninterrupted power system, up to 200 KVA, annualized	2.00	45.85	\$560.86	\$2,693.60	\$0.00	\$3,254.46	\$4,118.63	\$5,010.84
Light, emergency, hardwired system, annualized	8.00	2.00	\$61.86	\$118.10	\$0.00	\$179.96	\$221.58	\$266.29
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$171.90	\$102.86	\$0.00	\$274.76	\$322.80	\$379.44
Hoist, pneumatic, annualized	1.00	1.31	\$153.56	\$46.05	\$0.00	\$199.61	\$228.78	\$265.63
Refrigerator freezer, walk-in box w/external condenser, annualized	1.00	1.47	\$207.43	\$50.23	\$0.00	\$257.66	\$293.47	\$339.65
						\$13,926.85	\$17,426.51	\$21,095.77

FAC 3171 ELECTRONIC AND COMMUNICATION RDTE FACILITY

Modeled Component List CostWorks Release 2021 Qtr 3

B20 Exterior Enclosure	
Aluminum Window, Fixed, 1st floor	64.0 Ea.
Steel, Painted	4.0 Ea.
Steel Single, Roll-Up	1.0 Ea.
B30 Roofing	
Built-Up Roofing	119.0 Sq.
Aluminum Gutter	490.0 L.F.
C10 Interior Construction	
Steel Painted Interior Doors	4.0 Ea.
Solid Core Interior Doors	18.0 Ea.
Lockset, Brass	28.0 Ea.
C30 Interior Finishes	
Concrete, Finished	35.7 C.S.F.
Vinyl Sheet	793.0 S.Y.
Rubber Tile	132.0 S.Y.
Carpet	89.0 S.Y.
Acoustic Tile, fire-rated	79.3 C.S.F.
D20 Plumbing	
Sink, Iron Enamel	2.0 Ea.
Emergency Shower Station	2.0 Ea.
Emergency Eye Wash	2.0 Ea.
Water Heater, Gas / Oil, 70 Gallon	2.0 Ea.
Circulation Pump, 1/12 HP	2.0 Ea.
Drain: Roof, Scupper, Area	4.0 Ea.
D30 HVAC	
Draft Fan, 6700 CFM	1.0 Ea.
Exhaust Fan, propeller exh., 4700 CFM	1.0 Ea.
Computer Room A/C Units, Chilled Water, 5 ton	1.0 Ea.
Single Zone Air Conditioner, 60 ton	1.0 Ea.
Boiler, Gas, 2000 MBH	1.0 Ea.
Fan Coil, 30 ton	3.0 Ea.
D40 Fire Protection	
Sprinkler System, Fire Supression, sprinkler head	60.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
D50 Electrical	
Load Center, 100 A, maintenance & inspection	4.0 Ea.
Load Center, 100 A, replacement	4.0 Ea.
Smoke Detector	16.0 Ea.
Manual Pull Station	4.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	4.0 Ea.
Building Structure Ground	1.1 M.L.F.
Lightning Ground Rod	4.0 Ea.
Computer Ground System	0.8 M.L.F.
Generator, Diesel, 750 KW	1.0 Ea.
Transfer Switch	1.0 Ea.
Emergency Lighting Fixture	8.0 Ea.
UPS Battery, maintenance & inspection	1.0 Ea.
UPS, up to 200 KVA, annualized	2.0 Each
E10 Equipment	
Crane, Electric, up to 5 ton, annualized	1.0 Each
Hoist, pneumatic, annualized	1.0 Each

Refrigerator freezer, walk-in, annualized

1.0 Each

FAC 3171 ELECTRONIC AND COMMUNICATION RDTE FACILITY
Sustainment by Year
CostWorks Release 2021 Qtr 3

