

FAC 1312 SATELLITE COMMUNICATIONS BUILDING

FY22 SUC: \$14.61 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3
component prices

FAC 1312 SATELLITE COMMUNICATIONS BUILDING
SUC \$14.61

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.

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 50
Average Size 4058.0

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair masonry steps	4	8.00 S.F.	\$204.10	\$247.01	12.5000	12	12	\$2,964.11	\$2,964.11
Repair 8" concrete block wall, 1st floor	25	4,600.00 S.F.	\$111,388.16	\$136,266.85	2.0000	2	2	\$272,533.71	\$272,533.71
Refinish synthetic veneer plaster, 1st floor	10	8.96 C.S.F.	\$2,977.56	\$3,520.78	5.0000	5	5	\$17,603.91	\$17,603.91
Refinish steel louver, 1st floor	5	2.00 Ea.	\$194.07	\$240.81	10.0000	10	10	\$2,408.12	\$2,408.12
Replace steel louver, 1st floor	40	2.00 Ea.	\$970.63	\$1,141.20	1.2500	1	1	\$1,141.20	\$1,141.20
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	3.42 S.F.	\$41.24	\$48.47	50.0000	50	50	\$2,423.35	\$2,423.35
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	56.00 Ea.	\$8,105.25	\$9,666.10	2.5000	2	2	\$19,332.20	\$19,332.20
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	56.00 Ea.	\$27,335.37	\$32,397.36	1.0000	1	1	\$32,397.36	\$32,397.36
Repair aluminum storefront door	12	2.00 Ea.	\$926.84	\$1,109.03	4.1667	4	4	\$4,436.12	\$4,436.12
Replace 3'-0" x 7'-0" aluminum storefront doors	50	2.00 Ea.	\$4,091.53	\$4,838.20	1.0000	1	1	\$4,838.20	\$4,838.20
Repair steel, painted, door	14	5.00 Ea.	\$3,125.37	\$3,720.03	3.5714	3	3	\$11,160.09	\$11,160.09
Refinish 3'-0" x 7'-0" steel, painted, door	4	5.00 Ea.	\$207.00	\$254.33	12.5000	12	12	\$3,051.97	\$3,051.97
Replace 3'-0" x 7'-0" steel, painted, door	45	5.00 Ea.	\$3,525.32	\$4,098.66	1.1111	1	1	\$4,098.66	\$4,098.66
Replace brass door lockset exterior	30	7.00 Ea.	\$3,319.40	\$3,839.38	1.6667	1	1	\$3,839.38	\$3,839.38
Replace brass door closer	15	7.00 Ea.	\$1,716.44	\$2,025.07	3.3333	3	3	\$6,075.21	\$6,075.21
Replace brass door weatherstripping exterior	20	5.00 Ea.	\$1,213.06	\$1,476.11	2.5000	2	2	\$2,952.21	\$2,952.21
Debris removal by hand & visual inspection,modified bitum/thermoplastc	1	4.05 M.S.F.	\$152.52	\$186.03	50.0000	50	50	\$9,301.53	\$9,301.53
Non-destructive moisture inspection, modified bituminous/thermoplastic	5	4.05 M.S.F.	\$473.26	\$577.24	10.0000	10	10	\$5,772.42	\$5,772.42
Minor thermoplastic membrane repairs, 2% of roof area	1	0.70 Sq.	\$227.11	\$270.23	50.0000	50	50	\$13,511.67	\$13,511.67
Flashing repairs, 2 S.F. per sq. repaired, modified bitumen/thermoplastic	1	1.40 S.F.	\$5.39	\$6.46	50.0000	50	50	\$322.81	\$322.81
Membrane replacement-(25% of roof area),modified bitum/thermoplastic	20	8.76 Sq.	\$6,864.04	\$8,196.79	2.5000	2	2	\$16,393.58	\$16,393.58
Total roof replacement, modified bituminous / thermoplastic	25	40.60 Sq.	\$25,729.39	\$30,534.03	2.0000	2	2	\$61,068.05	\$61,068.05
Repair fully glazed wood door	10	6.00 Ea.	\$1,760.71	\$2,049.38	5.0000	5	5	\$10,246.92	\$10,246.92
Replace 3'-0" x 7'-0" fully glazed wood door	40	6.00 Ea.	\$6,833.16	\$7,943.43	1.2500	1	1	\$7,943.43	\$7,943.43
Repair steel painted interior door	14	4.00 Ea.	\$1,173.81	\$1,366.26	3.5714	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	12.5000	12	12	\$3,109.74	\$3,109.74
Repair solid core wood door, interior	11	2.00 Ea.	\$586.90	\$683.13	4.5455	4	4	\$2,732.51	\$2,732.51
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	2.00 Ea.	\$86.73	\$106.50	12.5000	12	11	\$1,277.99	\$1,171.49

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace 3'-0" x 7'-0" solid core wood door, interior	40	2.00 Ea.	\$978.85	\$1,131.62	1.2500	1	1	\$1,131.62	\$1,131.62
Replace brass lockset interior	30	12.00 Ea.	\$3,950.29	\$4,578.17	1.6667	1	1	\$4,578.17	\$4,578.17
Replace brass door closer	15	12.00 Ea.	\$2,734.20	\$3,216.31	3.3333	3	3	\$9,648.92	\$9,648.92
Replace panic bar	25	5.00 Ea.	\$5,932.67	\$6,816.45	2.0000	2	2	\$13,632.90	\$13,632.90
Replace toilet partitions, painted metal-overhead braced, per stall	20	4.00 Ea.	\$2,511.53	\$2,955.64	2.5000	2	2	\$5,911.28	\$5,911.28
Repair 5/8" drywall - (2% of walls)	20	448.00 S.F.	\$750.55	\$913.24	2.5000	2	2	\$1,826.48	\$1,826.48
Refinish drywall	4	2,000.00 S.F.	\$1,241.96	\$1,527.82	12.5000	12	12	\$18,333.84	\$18,333.84
Repair 4" x 4" thin set ceramic tile - (2% of walls)	10	6.00 C.S.F.	\$4,925.64	\$5,935.56	5.0000	5	5	\$29,677.82	\$29,677.82
Refinish concrete floor finished	25	4.20 C.S.F.	\$1,771.67	\$2,128.06	2.0000	2	2	\$4,256.11	\$4,256.11
Terrazzo floor repairs - (2% of floors)	15	6.20 S.F.	\$100.84	\$120.75	3.3333	3	3	\$362.25	\$362.25
Quarry tile floor repairs - (2% of floors)	15	4.48 S.F.	\$28.35	\$35.35	3.3333	3	3	\$106.04	\$106.04
Replace carpet	8	170.00 S.Y.	\$9,352.78	\$10,801.27	6.2500	6	6	\$64,807.64	\$64,807.64
Acoustic tile repairs - (2% of ceilings)	9	0.72 C.S.F.	\$653.55	\$759.54	5.5556	5	5	\$3,797.72	\$3,797.72
Replace acoustic tile ceiling, fire-rated	20	36.00 C.S.F.	\$18,872.23	\$22,243.90	2.5000	2	2	\$44,487.80	\$44,487.80
Replace flush valve diaphragm tankless water closet	10	10.00 Ea.	\$262.20	\$325.36	5.0000	5	5	\$1,626.79	\$1,626.79
Rebuild flush valve tankless water closet	20	10.00 Ea.	\$1,804.34	\$2,174.57	2.5000	2	2	\$4,349.14	\$4,349.14
Unplug clogged line tankless water closet	5	10.00 Ea.	\$2,183.95	\$2,731.27	10.0000	10	10	\$27,312.68	\$27,312.68
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$104.88	\$130.14	7.1429	7	7	\$911.00	\$911.00
Rebuild flush valve for a urinal	20	4.00 Ea.	\$721.74	\$869.83	2.5000	2	2	\$1,739.66	\$1,739.66
Unplug line urinal	5	4.00 Ea.	\$580.29	\$725.71	10.0000	10	10	\$7,257.12	\$7,257.12
Replace washer in spud connection lavatory, enameled steel	7	12.00 Ea.	\$200.55	\$244.71	7.1429	7	7	\$1,712.97	\$1,712.97
Replace washer in faucet lavatory, enameled steel	2	12.00 Ea.	\$153.32	\$190.99	25.0000	25	25	\$4,774.79	\$4,774.79
Replace faucets lavatory, enameled steel	10	12.00 Ea.	\$2,180.71	\$2,625.06	5.0000	5	5	\$13,125.32	\$13,125.32
Clean out strainer and P trap lavatory, enameled steel	2	12.00 Ea.	\$418.43	\$523.29	25.0000	25	25	\$13,082.37	\$13,082.37
Replace faucet washer sink, service/utility	2	12.00 Ea.	\$153.32	\$190.99	25.0000	25	25	\$4,774.79	\$4,774.79
Clean trap	3	1.00 Ea.	\$8.57	\$10.72	16.6667	16	16	\$171.50	\$171.50
Replace faucets sink, service/utility	10	1.00 Ea.	\$181.73	\$218.76	5.0000	5	5	\$1,093.78	\$1,093.78
Unstop sink	2	1.00 Ea.	\$41.82	\$52.30	25.0000	25	25	\$1,307.56	\$1,307.56
Inspect and clean spray heads, emergency eye wash	3	1.00 Ea.	\$49.39	\$61.77	16.6667	16	16	\$988.34	\$988.34
Replace eye wash station, emergency eye wash	25	1.00 Ea.	\$1,114.34	\$1,325.00	2.0000	2	2	\$2,649.99	\$2,649.99
General maintenance & repair drain: roof, scupper, area	1	4.00 Ea.	\$147.95	\$185.03	50.0000	50	50	\$9,251.40	\$9,251.40
Replace drain: roof, scupper, area	40	4.00 Ea.	\$3,147.73	\$3,649.44	1.2500	1	1	\$3,649.44	\$3,649.44
Check gas pressure natural gas, pressure reducing valve	5	1.00 Ea.	\$9.67	\$12.09	10.0000	10	10	\$120.91	\$120.91

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace pressure regulator 1/2" diam. pipe natural gas	14	1.00 Ea.	\$112.81	\$133.77	3.5714	3	3	\$401.31	\$401.31
Repair boiler, gas, 250 MBH	7	1.00 Ea.	\$2,031.05	\$2,390.45	7.1429	7	7	\$16,733.15	\$16,733.15
Replace boiler, gas, 250 MBH	30	1.00 Ea.	\$9,398.04	\$11,210.13	1.6667	1	1	\$11,210.13	\$11,210.13
Replace computer room air conditioner, air cooled, 10 ton	20	1.00 Ea.	\$75,047.57	\$86,041.45	2.5000	2	2	\$172,082.90	\$172,082.90
Repair multi-zone rooftop unit, 40 ton	10	1.00 Ea.	\$47,791.41	\$55,294.22	5.0000	5	4	\$276,471.08	\$221,176.87
Replace multi-zone rooftop unit, 40 ton	15	1.00 Ea.	\$145,332.83	\$167,778.78	3.3333	3	3	\$503,336.34	\$503,336.34
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	50.0000	50	50	\$2,146.43	\$2,146.43
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$710.41	\$851.09	50.0000	50	50	\$42,554.69	\$42,554.69
Repair 15 KV primary transformer, dry	15	1.00 Ea.	\$257.71	\$311.64	3.3333	3	3	\$934.92	\$934.92
Maintenance and inspection primary transformer, dry	0.5	1.00 Ea.	\$40.64	\$50.92	100.0000	100	100	\$5,092.15	\$5,092.15
Maintenance and repair - (5% of total fuses) switchgear, indoor, 600 V	10	1.00 Ea.	\$413.16	\$474.70	5.0000	5	5	\$2,373.49	\$2,373.49
Maintenance and inspection switchgear, indoor, 600 V	3	1.00 Ea.	\$40.64	\$50.92	16.6667	16	16	\$814.74	\$814.74
Replace switchgear, indoor, 600 V	30	1.00 Ea.	\$3,067.94	\$3,675.24	1.6667	1	1	\$3,675.24	\$3,675.24
Maintenance and repair rectifier, up to 600 V	2	1.00 Ea.	\$686.80	\$818.18	25.0000	25	23	\$20,454.51	\$18,818.15
Maintenance and inspection rectifier, up to 600 V	0.33	1.00 Ea.	\$129.55	\$162.31	151.5152	151	151	\$24,509.14	\$24,509.14
Replace rectifier, up to 600 V	20	1.00 Ea.	\$1,270.28	\$1,463.32	2.5000	2	2	\$2,926.64	\$2,926.64
Maintenance and repair motor starter, up to 600 V	5	4.00 Ea.	\$1,118.56	\$1,350.39	10.0000	10	10	\$13,503.92	\$13,503.92
Maintenance and inspection motor starter, up to 600 V	0.5	4.00 Ea.	\$215.92	\$270.52	100.0000	100	100	\$27,052.03	\$27,052.03
Replace starter motor starter, up to 600 V	18	4.00 Ea.	\$3,221.24	\$3,832.30	2.7778	2	2	\$7,664.59	\$7,664.59
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$232.44	\$278.27	5.0000	5	4	\$1,391.33	\$1,113.07
Maintenance and inspection secondary transformer, dry	0.5	1.00 Ea.	\$80.65	\$101.05	100.0000	100	100	\$10,104.73	\$10,104.73
Replace transformer 500 KVA	30	1.00 Ea.	\$27,773.11	\$32,089.21	1.6667	1	1	\$32,089.21	\$32,089.21
Maintenance and inspection lighting panel, indoor	3	3.00 Ea.	\$121.93	\$152.76	16.6667	16	16	\$2,444.23	\$2,444.23
Maintenance and repair breaker, molded case, 480 V, 1 pole	20	30.00 Ea.	\$2,152.88	\$2,697.25	2.5000	2	2	\$5,394.49	\$5,394.49
Replace circuit breaker molded case, 480 V, 1 pole circuit breaker	50	30.00 Ea.	\$16,448.66	\$19,161.15	1.0000	1	1	\$19,161.15	\$19,161.15
Maintenance and inspection circuit breaker, enclosed, 600 V, 3 pole	0.33	5.00 Ea.	\$161.94	\$202.89	151.5152	151	151	\$30,636.43	\$30,636.43
Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker	50	5.00 Ea.	\$6,381.40	\$7,466.52	1.0000	1	1	\$7,466.52	\$7,466.52
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	3.00 Ea.	\$121.93	\$152.76	6.2500	6	6	\$916.59	\$916.59
Maintenance and inspection safety switch, 3 pole, heavy duty	1	3.00 Ea.	\$121.93	\$152.76	50.0000	50	50	\$7,638.22	\$7,638.22
Replace safety switch, heavy duty 30 A	25	3.00 Ea.	\$1,729.04	\$2,071.32	2.0000	2	2	\$4,142.64	\$4,142.64

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Maintenance and repair receptacles and plugs	20	124.00 Ea.	\$5,238.19	\$6,539.59	2.5000	2	2	\$13,079.18	\$13,079.18
Maintenance and repair wiring devices, switches	10	42.00 Ea.	\$1,774.22	\$2,215.02	5.0000	5	5	\$11,075.11	\$11,075.11
Replace lamps (2 lamps), 4', 34 W energy saver	10	158.00 Ea.	\$3,983.81	\$4,989.47	5.0000	5	5	\$24,947.36	\$24,947.36
Repair smoke detector	10	28.00 Ea.	\$1,578.85	\$1,951.99	5.0000	5	4	\$9,759.97	\$7,807.98
Check operation smoke detector	1	28.00 Ea.	\$453.44	\$568.09	50.0000	50	50	\$28,404.63	\$28,404.63
Replace smoke detector	15	28.00 Ea.	\$7,958.65	\$9,504.93	3.3333	3	3	\$28,514.80	\$28,514.80
Repair heat detector	10	8.00 Ea.	\$491.02	\$603.08	5.0000	5	5	\$3,015.38	\$3,015.38
Check operation heat detector	1	8.00 Ea.	\$129.55	\$162.31	50.0000	50	50	\$8,115.61	\$8,115.61
Replace heat detector	15	8.00 Ea.	\$1,367.71	\$1,672.33	3.3333	3	3	\$5,016.98	\$5,016.98
Check and repair manual pull station	10	8.00 Ea.	\$701.57	\$862.64	5.0000	5	4	\$4,313.21	\$3,450.57
Replace manual pull station	15	8.00 Ea.	\$1,627.74	\$1,959.53	3.3333	3	3	\$5,878.59	\$5,878.59
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	10.0000	10	10	\$1,822.75	\$1,822.75
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	100.0000	100	100	\$5,410.41	\$5,410.41
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.3333	3	3	\$7,175.76	\$7,175.76
Replace fire alarm bell, 6"	20	8.00 Ea.	\$1,559.70	\$1,882.20	2.5000	2	2	\$3,764.41	\$3,764.41
Replace EMS, Three Phase, 5 Meters	15	1.00 Ea.	\$15,802.46	\$18,399.79	3.3333	3	3	\$55,199.37	\$55,199.37
Replace EMS, Mech, BTU, 3 Meters, 3 Duct Sensors, 3 Space Sensors	20	1.00 Ea.	\$17,137.72	\$20,030.68	2.5000	2	2	\$40,061.35	\$40,061.35
Maintenance and repair electrical service ground	25	1.00 M.L.F.	\$87.89	\$109.79	2.0000	2	2	\$219.57	\$219.57
Replace electrical service ground	50	1.00 M.L.F.	\$3,767.30	\$4,634.72	1.0000	1	1	\$4,634.72	\$4,634.72
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	50.0000	50	50	\$5,991.33	\$5,991.33
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$11,009.12	\$13,095.99	2.0000	2	2	\$26,191.98	\$26,191.98
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$87.89	\$109.79	50.0000	50	48	\$5,489.36	\$5,269.78
Replace lightning ground rod	25	1.00 Ea.	\$226.09	\$280.29	2.0000	2	2	\$560.58	\$560.58
Maintenance and repair computer ground system	4	1.20 Ea.	\$25.91	\$32.46	12.5000	12	12	\$389.55	\$389.55
Replace computer ground system	50	1.00 M.L.F.	\$1,865.81	\$2,278.85	1.0000	1	1	\$2,278.85	\$2,278.85
Replace lamp with exit light L.E.D. retrofit kits	15	8.00 Ea.	\$576.92	\$667.31	3.3333	3	3	\$2,001.92	\$2,001.92
Replace lighting fixture with exit light L.E.D. standard	20	8.00 Ea.	\$1,460.23	\$1,775.55	2.5000	2	2	\$3,551.10	\$3,551.10
Replace lighting fixture with exit light L.E.D. w/battery unit	20	8.00 Ea.	\$5,190.21	\$6,074.54	2.5000	2	2	\$12,149.08	\$12,149.08
Maintenance and repair battery charger	2	2.00 Ea.	\$603.36	\$743.64	25.0000	25	25	\$18,591.04	\$18,591.04
Maintenance and inspection UPS battery	0.17	2.00 Ea.	\$129.55	\$162.31	294.1176	294	294	\$47,719.78	\$47,719.78
Replace motor generator UPS battery	15	2.00 Ea.	\$2,201.93	\$2,602.81	3.3333	3	3	\$7,808.42	\$7,808.42
			\$716,241.55	\$843,865.76					
								MR Subtotal	\$2,417,598.91
								MR Per Year	\$48,304.17
								PM Total	\$10,964.69
								Subtotal	\$59,268.86
								Total Per Unit	\$14.61

FAC 1312 SATELLITE COMMUNICATIONS BUILDING

SUC \$14.61

Release 2021 Qtr 3
UM SF
Zip Code Prefix 222
Design Life 50
Type PM
Average Size 4058.0

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
Fire doors, swinging, annualized	3.00	1.18	\$42.96	\$43.67	\$0.00	\$86.64	\$104.03	\$123.58
Urinals, annualized	4.00	0.91	\$25.27	\$45.81	\$0.00	\$71.09	\$87.36	\$104.89
Toilet (vacuum breaker type), annualized	10.00	1.77	\$84.42	\$88.98	\$0.00	\$173.40	\$208.54	\$247.89
Lavatories, annualized	12.00	4.18	\$71.58	\$248.44	\$0.00	\$320.02	\$401.71	\$486.98
Drink fountain, annually	2.00	1.24	\$41.45	\$62.55	\$0.00	\$104.00	\$126.91	\$151.90
Valve, check, above 4", annualized	4.00	1.03	\$23.46	\$51.80	\$0.00	\$75.26	\$93.14	\$112.20
Boiler, hot water, oil, gas, or comb. fired, up to 120 MBH, annualized	1.00	12.53	\$77.34	\$753.25	\$0.00	\$830.60	\$1,064.31	\$1,301.88
Condenser, air cooled, 3 tons to 25 tons, annualized	1.00	1.71	\$54.59	\$103.08	\$0.00	\$157.67	\$194.05	\$233.17
Air handling unit, computer room, annualized	1.00	3.42	\$127.39	\$171.79	\$0.00	\$299.18	\$363.46	\$434.10
VAV Boxes, annualized	4.00	3.74	\$38.42	\$225.54	\$0.00	\$263.95	\$335.46	\$408.88
Fire dampers, annualized	1.00	1.16	\$9.15	\$69.60	\$0.00	\$78.75	\$100.54	\$122.80
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, computer room, annualized	2.00	8.67	\$297.23	\$521.55	\$0.00	\$818.79	\$1,004.98	\$1,206.03
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Extinguishing system, FM200, annualized	1.00	9.26	\$611.65	\$462.52	\$0.00	\$1,074.18	\$1,274.10	\$1,504.61
Circuit breaker, high voltage air, annualized	14.00	6.58	\$212.18	\$435.12	\$0.00	\$647.30	\$799.05	\$961.42
Switch, automatic transfer, annualized	1.00	5.32	\$15.16	\$352.24	\$0.00	\$367.40	\$474.58	\$582.53
Panelboard, 225 A and above, annualized	3.00	1.32	\$69.59	\$87.02	\$0.00	\$156.62	\$189.68	\$226.23
Motor control center, over 400 A, annualized	1.00	0.39	\$23.20	\$25.90	\$0.00	\$49.10	\$59.19	\$70.44
Fire alarm annunciator system, annualized	1.00	11.05	\$179.39	\$652.68	\$0.00	\$832.07	\$1,045.82	\$1,268.53
Battery system and charger, annualized	1.00	8.73	\$19.95	\$518.00	\$0.00	\$537.95	\$695.34	\$853.74
Light, emergency, hardwired system, annualized	1.00	0.25	\$7.73	\$14.76	\$0.00	\$22.50	\$27.70	\$33.29
						\$7,328.27	\$9,092.16	\$10,964.69

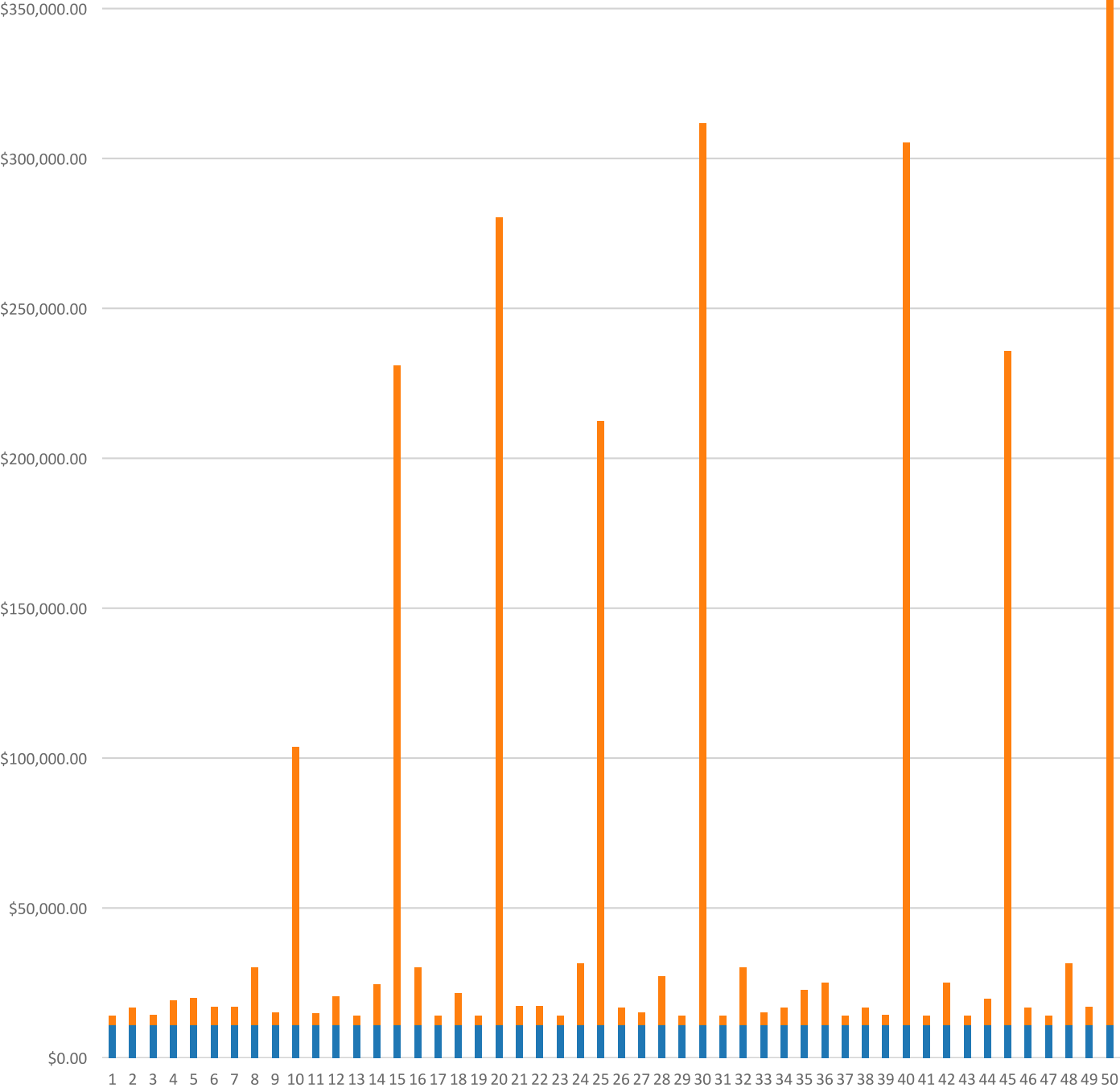
FAC 1312 SATELLITE COMMUNICATIONS BUILDING

Modeled Component List CostWorks Release 2021 Qtr 3

B10 Superstructure	
Masonry Steps	8.0 S.F.
B20 Exterior Enclosure	
Synthetic Veneer Plaster	8.96 C.S.F.
Steel Louver, 1st floor	2.0 Ea.
Aluminum Window, Fixed, 1st floor	56.0 Ea.
Glazed Aluminum	2.0 Ea.
Steel, Painted	5.0 Ea.
Lockset, Brass	7.0 Ea.
Door Closer, Brass	7.0 Ea.
B30 Roofing	
Modified Bituminous / Thermoplastic	40.6 Sq.
C10 Interior Construction	
Fully Glazed Wooden Doors	6.0 Ea.
Solid Core Interior Doors	2.0 Ea.
Lockset, Brass	12.0 Ea.
Door Closer, Brass	12.0 Ea.
Panic Bar	5.0 Ea.
Toilet Partitions, painted metal	4.0 Ea.
Fire Doors, Swinging, annualized	3.0 Each
C30 Interior Finishes	
Concrete, Finished	4.2 C.S.F.
Carpet	170.0 S.Y.
Acoustic Tile, fire-rated	36.0 C.S.F.
D20 Plumbing	
Emergency Eye Wash	1.0 Ea.
Drain: Roof, Scupper, Area	4.0 Ea.
D30 HVAC	
Boiler, Gas, 250 MBH	1.0 Ea.
Computer Room A/C Units, Air Cooled, 10 ton	1.0 Ea.
Rooftop Unit, Multi-Zone, 40 ton	1.0 Ea.
VAV Box	4.0 Each
D40 Fire Protection	
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
Extinguishing system, FM200	1.0 Each
D50 Electrical	
Switchgear, Indoor, 600 V	1.0 Ea.
Rectifier, Up To 600 V	1.0 Ea.
Motor Starter, Up To 600 V	4.0 Ea.
Secondary Transformer, Dry, 500 KVA	1.0 Ea.
Load Center, 100 A, maintenance & inspection	3.0 Ea.
Circuit Breaker, molded case, 480 V, 1 pole	30.0 Ea.
Circuit Breaker, enclosed, 600 V, 3 pole	5.0 Ea.
Safety Switch, Heavy Duty	3.0 Ea.
Smoke Detector	28.0 Ea.
Heat Detector	8.0 Ea.
Manual Pull Station	8.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	8.0 Ea.
Electrical Service Ground	1.0 M.L.F.
Lightning Protection System	1.0 M.L.F.
Lightning Ground Rod	1.0 Ea.

Computer Ground System	1.0 M.L.F.
UPS Battery, maintenance & inspection	2.0 Ea.
UPS Battery, replace motor	2.0 Ea.

FAC 1312 SATELLITE COMMUNICATIONS BUILDING
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost