

FAC 2136 SURETY REPAIR SHOP

FY22 SUC: \$4.77 / SF
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 2136 NUCLEAR REPAIR SHOP

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM SF
Design Life 50
Average Size 18648.0

SUC \$4.77

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 2'-0" x 3'-0" aluminum window - 1st floor	20	22.00 Ea.	\$3,184.21	\$3,797.40	2.5000	2	2	\$7,594.79	\$7,594.79
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	22.00 Ea.	\$10,738.90	\$12,727.53	1.0000	1	1	\$12,727.53	\$12,727.53
Repair steel, painted, door	14	1.00 Ea.	\$625.07	\$744.01	3.5714	3	3	\$2,232.02	\$2,232.02
Refinish 3'-0" x 7'-0" steel, painted, door	4	1.00 Ea.	\$41.40	\$50.87	12.5000	12	12	\$610.39	\$610.39
Replace 3'-0" x 7'-0" steel, painted, door	45	1.00 Ea.	\$705.06	\$819.73	1.1111	1	1	\$819.73	\$819.73
Repair 12' x 12' steel roll-up door	10	1.00 Ea.	\$675.90	\$802.22	5.0000	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	1.4286	1	1	\$3,208.87	\$3,208.87
Refinish 12' x 24' steel double roll-up door	5	4.00 Ea.	\$1,631.44	\$1,998.31	10.0000	10	10	\$19,983.06	\$19,983.06
Replace 12' x 24' steel double roll-up door	35	4.00 Ea.	\$21,628.66	\$25,670.94	1.4286	1	1	\$25,670.94	\$25,670.94
Debris removal, by hand and visual inspection, metal panel roofing	1	22.00 M.S.F.	\$501.25	\$611.37	50.0000	50	50	\$30,568.74	\$30,568.74
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	440.00 S.F.	\$1,536.96	\$1,844.02	10.0000	10	10	\$18,440.24	\$18,440.24
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	19.80 S.F.	\$362.34	\$439.01	50.0000	50	50	\$21,950.75	\$21,950.75
Minor metal roof panel replacement, 2.5% of roof area	20	550.70 S.F.	\$6,293.18	\$7,474.14	2.5000	2	2	\$14,948.29	\$14,948.29
Total metal roof panel replacement	30	220.28 Sq.	\$186,168.90	\$220,503.86	1.6667	1	1	\$220,503.86	\$220,503.86
Repair 8" concrete block wall - (2% of walls) painted	25	1.70 C.S.F.	\$1,852.41	\$2,224.20	2.0000	2	2	\$4,448.41	\$4,448.41
Refinish concrete block wall painted	4	89.70 C.S.F.	\$9,052.41	\$11,023.07	12.5000	12	12	\$132,276.85	\$132,276.85
Replace insulating glass (3% of glass) fully glazed wooden doors	1	0.30 S.F.	\$16.98	\$19.73	50.0000	50	50	\$986.75	\$986.75
Repair fully glazed wood door	10	2.00 Ea.	\$586.90	\$683.13	5.0000	5	5	\$3,415.64	\$3,415.64
Refinish 3'-0" x 7'-0" fully glazed wood door	4	2.00 Ea.	\$140.71	\$174.38	12.5000	12	12	\$2,092.51	\$2,092.51
Replace 3'-0" x 7'-0" fully glazed wood door	40	2.00 Ea.	\$2,277.72	\$2,647.81	1.2500	1	1	\$2,647.81	\$2,647.81
Repair steel painted interior door	14	12.00 Ea.	\$3,521.43	\$4,098.77	3.5714	3	3	\$12,296.30	\$12,296.30
Refinish 3'-0" x 7'-0" steel painted interior door	4	12.00 Ea.	\$631.02	\$777.44	12.5000	12	12	\$9,329.23	\$9,329.23
Replace 3'-0" x 7'-0" steel painted interior door	60	12.00 Ea.	\$14,616.41	\$16,945.00	0.8333	0	0	\$0.00	\$0.00
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
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
Repair concrete steps	15	58.00 S.F.	\$1,325.30	\$1,534.14	3.3333	3	3	\$4,602.42	\$4,602.42
Replace concrete steps	100	58.00 S.F.	\$3,100.61	\$3,781.15	0.5000	0	0	\$0.00	\$0.00

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Refinish metal stair railing, interior	7	24.00 S.F.	\$35.08	\$43.25	7.1429	7	7	\$302.74	\$302.74
Replace metal stair railing, interior	45	24.00 L.F.	\$1,030.94	\$1,206.72	1.1111	1	1	\$1,206.72	\$1,206.72
Repair 5/8" drywall - (2% of walls)	20	0.10 S.F.	\$0.17	\$0.20	2.5000	2	2	\$0.41	\$0.41
Replace 5/8" drywall	75	574.00 S.F.	\$1,337.77	\$1,637.17	0.6667	0	0	\$0.00	\$0.00
Refinish concrete floor finished	25	87.50 C.S.F.	\$36,909.89	\$44,334.52	2.0000	2	2	\$88,669.04	\$88,669.04
Replace vinyl tile flooring	18	20.00 S.Y.	\$988.07	\$1,213.40	2.7778	2	2	\$2,426.80	\$2,426.80
Replace carpet	8	45.70 S.Y.	\$2,514.25	\$2,903.64	6.2500	6	6	\$17,421.82	\$17,421.82
Refinish plaster ceiling	10	429.50 S.Y.	\$4,859.25	\$6,005.93	5.0000	5	5	\$30,029.67	\$30,029.67
Acoustic tile repairs - (2% of ceilings)	9	0.60 C.S.F.	\$544.62	\$632.95	5.5556	5	5	\$3,164.76	\$3,164.76
Replace acoustic tile ceiling, fire-rated	20	30.40 C.S.F.	\$15,936.55	\$18,783.74	2.5000	2	2	\$37,567.47	\$37,567.47
Replace flush valve diaphragm tankless water closet	10	9.00 Ea.	\$235.98	\$292.82	5.0000	5	5	\$1,464.11	\$1,464.11
Rebuild flush valve tankless water closet	20	9.00 Ea.	\$1,623.90	\$1,957.11	2.5000	2	2	\$3,914.23	\$3,914.23
Unplug clogged line tankless water closet	5	9.00 Ea.	\$1,965.56	\$2,458.14	10.0000	10	10	\$24,581.41	\$24,581.41
Replace tankless water closet	35	9.00 Ea.	\$11,575.99	\$13,396.46	1.4286	1	1	\$13,396.46	\$13,396.46
Replace tankless flush valve	25	9.00 Ea.	\$2,269.94	\$2,664.99	2.0000	2	2	\$5,329.99	\$5,329.99
Replace wax ring gasket for tankless water closet	5	9.00 Ea.	\$1,273.67	\$1,591.44	10.0000	10	10	\$15,914.38	\$15,914.38
Replace flush valve diaphragm for a urinal	7	2.00 Ea.	\$52.44	\$65.07	7.1429	7	7	\$455.50	\$455.50
Rebuild flush valve for a urinal	20	2.00 Ea.	\$360.87	\$434.91	2.5000	2	2	\$869.83	\$869.83
Unplug line urinal	5	2.00 Ea.	\$290.14	\$362.86	10.0000	10	10	\$3,628.56	\$3,628.56
Replace wall-hung urinal	35	2.00 Ea.	\$1,937.73	\$2,338.21	1.4286	1	1	\$2,338.21	\$2,338.21
Replace washer in spud connection lavatory, vitreous china	7	7.00 Ea.	\$115.24	\$140.56	7.1429	7	7	\$983.92	\$983.92
Replace washer in faucet lavatory, vitreous china	2	7.00 Ea.	\$90.19	\$112.36	25.0000	25	25	\$2,809.07	\$2,809.07
Replace faucets lavatory, vitreous china	10	7.00 Ea.	\$1,272.08	\$1,531.29	5.0000	5	5	\$7,656.44	\$7,656.44
Clean out strainer and P trap lavatory, vitreous china	2	7.00 Ea.	\$244.09	\$305.26	25.0000	25	25	\$7,631.38	\$7,631.38
Replace lavatory, vitreous china	35	7.00 Ea.	\$4,708.02	\$5,657.55	1.4286	1	1	\$5,657.55	\$5,657.55
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$25.55	\$31.83	25.0000	25	25	\$795.80	\$795.80
Clean trap sink, iron enamel	3	2.00 Ea.	\$17.14	\$21.44	16.6667	16	16	\$342.99	\$342.99
Replace faucets sink, iron enamel	10	2.00 Ea.	\$363.45	\$437.51	5.0000	5	5	\$2,187.55	\$2,187.55
Unstop sink, iron enamel	2	2.00 Ea.	\$83.64	\$104.60	25.0000	25	25	\$2,615.12	\$2,615.12
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	2.00 Ea.	\$1,273.40	\$1,515.02	1.4286	1	1	\$1,515.02	\$1,515.02
Inspect / clean shower head fiberglass	3	2.00 Ea.	\$98.79	\$123.54	16.6667	16	16	\$1,976.67	\$1,976.67
Replace mixing valve barrel shower, fiberglass	2	2.00 Ea.	\$565.18	\$664.64	25.0000	25	25	\$16,615.97	\$16,615.97
Replace mixing valve shower, fiberglass	10	2.00 Ea.	\$551.76	\$671.11	5.0000	5	5	\$3,355.55	\$3,355.55
Replace shower and fittings, fiberglass	20	2.00 Ea.	\$1,933.28	\$2,312.32	2.5000	2	2	\$4,624.64	\$4,624.64
Check / minor repairs drinking fountain	1	2.00 Ea.	\$97.76	\$122.27	50.0000	50	50	\$6,113.26	\$6,113.26

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Repair internal leaks drinking fountain	4	2.00 Ea.	\$90.16	\$112.76	12.5000	12	12	\$1,353.07	\$1,353.07
Correct water pressure drinking fountain	2	2.00 Ea.	\$83.64	\$104.60	25.0000	25	25	\$2,615.12	\$2,615.12
Replace refrigerant drinking fountain	2	2.00 Ea.	\$65.37	\$76.54	25.0000	25	25	\$1,913.46	\$1,913.46
Repair drain leak drinking fountain	4	2.00 Ea.	\$67.83	\$81.07	12.5000	12	10	\$972.83	\$810.69
Replace fountain drinking fountain	10	2.00 Ea.	\$2,562.31	\$3,029.12	5.0000	5	5	\$15,145.59	\$15,145.59
Point and refinish painted concrete block wall, 1st floor	25	36.40 C.S.F.	\$17,099.88	\$21,104.91	2.0000	2	2	\$42,209.82	\$42,209.82
Repair clay brick wall, 1st floor	25	657.00 S.F.	\$28,235.64	\$34,653.11	2.0000	2	2	\$69,306.23	\$69,306.23
Replace aluminum siding, 2nd floor	35	19.00 C.S.F.	\$13,602.90	\$16,474.72	1.4286	1	1	\$16,474.72	\$16,474.72
Refinish aluminum siding, 2nd floor	20	19.00 C.S.F.	\$5,334.75	\$6,601.76	2.5000	2	2	\$13,203.52	\$13,203.52
Replace glass - 2nd floor (1% of glass) - steel frame window	1	8.80 S.F.	\$934.50	\$1,153.42	50.0000	50	50	\$57,671.05	\$57,671.05
Repair 3'-9" x 5'-5" steel frame window - 2nd floor.	20	34.00 Ea.	\$11,726.14	\$13,881.01	2.5000	2	2	\$27,762.02	\$27,762.02
Refinish 3'-9" x 5'-5" steel frame window - 2nd floor.	5	34.00 Ea.	\$5,039.26	\$6,258.34	10.0000	10	10	\$62,583.37	\$62,583.37
Replace 3'-9" x 5'-5" steel frame window - 2nd floor.	45	34.00 Ea.	\$57,916.99	\$66,831.00	1.1111	1	1	\$66,831.00	\$66,831.00
Finish new 3'-9" x 5'-5" steel frame window - 2nd floor.	45	34.00 Ea.	\$4,678.85	\$5,810.16	1.1111	1	1	\$5,810.16	\$5,810.16
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	1.50 S.F.	\$18.09	\$21.26	50.0000	50	50	\$1,062.87	\$1,062.87
Inspect and clean sprayheads, 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
Replace pipe and fittings, copper 3/4"	20	32.00 L.F.	\$833.73	\$1,004.24	2.5000	2	2	\$2,008.49	\$2,008.49
Replace pipe and fittings, copper 2"	25	16.00 L.F.	\$983.75	\$1,170.32	2.0000	2	2	\$2,340.64	\$2,340.64
Drain and flush water heater, electric, 120 gallon	7	2.00 Ea.	\$588.76	\$736.31	7.1429	7	7	\$5,154.16	\$5,154.16
Check operation water heater, electric, 120 gallon	3	2.00 Ea.	\$5.17	\$6.47	16.6667	16	16	\$103.46	\$103.46
Replace water heater, electric, 120 gallon	15	2.00 Ea.	\$29,265.16	\$33,473.78	3.3333	3	3	\$100,421.34	\$100,421.34
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	2.5000	2	2	\$119.55	\$119.55
Repair joint pipe and fittings, PVC	10	2.00 Ea.	\$302.58	\$376.00	5.0000	5	5	\$1,880.00	\$1,880.00
Replace pipe, 4" pipe and fittings, PVC	30	257.00 L.F.	\$20,968.37	\$25,798.73	1.6667	1	1	\$25,798.73	\$25,798.73
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
Resolder joint pipe & fittings, oxygen	12	2.00 Ea.	\$144.22	\$178.42	4.1667	4	4	\$713.66	\$713.66
Replace pipe and fittings, oxygen	25	85.00 L.F.	\$2,203.50	\$2,653.66	2.0000	2	2	\$5,307.33	\$5,307.33
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,785.82	\$6,733.75	7.1429	7	7	\$47,136.22	\$47,136.22
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$39,838.14	\$46,620.21	1.6667	1	1	\$46,620.21	\$46,620.21
Repair fan coil unit, 1 ton	10	3.00 Ea.	\$1,155.08	\$1,389.29	5.0000	5	4	\$6,946.43	\$5,557.14
Replace fan coil unit, 1 ton	15	3.00 Ea.	\$3,661.82	\$4,280.29	3.3333	3	3	\$12,840.88	\$12,840.88

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Replace roof mounted exhaust fan, 20,300 CFM exhaust fan	20	1.00 Ea.	\$11,255.78	\$13,078.79	2.5000	2	2	\$26,157.57	\$26,157.57
Repair circulator pump, 1/12 - 3/4 H.P.	5	2.00 Ea.	\$196.27	\$231.46	10.0000	10	7	\$2,314.63	\$1,620.24
Replace circulator pump, 1/12 - 3/4 H.P.	15	2.00 Ea.	\$7,644.61	\$8,804.46	3.3333	3	3	\$26,413.37	\$26,413.37
Repair circulator pump, 1 H.P.	5	1.00 Ea.	\$98.36	\$116.02	10.0000	10	7	\$1,160.17	\$812.12
Replace circulator. pump, 1 H.P.	15	1.00 Ea.	\$5,768.48	\$6,613.79	3.3333	3	3	\$19,841.37	\$19,841.37
Repair damaged pipe insulation, fiberglass 3/4"	5	4.00 Ea.	\$75.76	\$93.26	10.0000	10	10	\$932.64	\$932.64
Repair damaged pipe insulation, fiberglass 2"	5	2.00 Ea.	\$48.01	\$58.68	10.0000	10	10	\$586.76	\$586.76
Replace pipe insulation, fiberglass 3/4"	5	0.03 M.L.F.	\$226.70	\$278.33	10.0000	10	10	\$2,783.31	\$2,783.31
Replace pipe insulation, fiberglass 2"	5	0.01 M.L.F.	\$97.98	\$119.27	10.0000	10	10	\$1,192.68	\$1,192.68
Repair terminal reheat, 36" x 36" coil	10	1.00 Ea.	\$162.94	\$203.78	5.0000	5	5	\$1,018.88	\$1,018.88
Replace terminal reheat, 36" x 36" coil	15	1.00 Ea.	\$3,442.47	\$4,000.25	3.3333	3	3	\$12,000.76	\$12,000.76
Repair single zone rooftop unit, 60 ton	10	1.00 Ea.	\$69,970.36	\$81,893.33	5.0000	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	3.3333	3	3	\$329,078.39	\$329,078.39
Repair central station A.H.U., 33,500 CFM	10	1.00 Ea.	\$4,175.39	\$4,808.85	5.0000	5	4	\$24,044.27	\$19,235.42
Replace central station A.H.U., 33,500 CFM	15	1.00 Ea.	\$141,107.95	\$162,304.53	3.3333	3	3	\$486,913.59	\$486,913.59
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	50.0000	50	50	\$2,146.43	\$2,146.43
Replace sprinkler head	20	60.00 Ea.	\$5,131.37	\$6,311.37	2.5000	2	2	\$12,622.74	\$12,622.74
Replace fire pump / electric motor assembly 100 H.P.	25	1.00 Ea.	\$44,139.08	\$50,910.34	2.0000	2	2	\$101,820.68	\$101,820.68
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 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 safety switch, 3 pole safety switch, heavy duty	8	2.00 Ea.	\$81.29	\$101.84	6.2500	6	6	\$611.06	\$611.06
Maintenance and inspection safety switch, 3 pole, heavy duty	1	2.00 Ea.	\$81.29	\$101.84	50.0000	50	50	\$5,092.15	\$5,092.15
Replace safety switch, heavy duty 30 A	25	2.00 Ea.	\$1,152.70	\$1,380.88	2.0000	2	2	\$2,761.76	\$2,761.76
Maintenance and repair receptacles and plugs	20	103.00 Ea.	\$4,351.07	\$5,432.08	2.5000	2	2	\$10,864.15	\$10,864.15
Replace receptacle/plug receptacles and plugs	20	103.00 Ea.	\$7,411.42	\$9,135.75	2.5000	2	2	\$18,271.51	\$18,271.51
Maintenance and repair wiring devices, switches	10	34.00 Ea.	\$1,436.28	\$1,793.11	5.0000	5	5	\$8,965.56	\$8,965.56
Replace wiring devices, switches	15	34.00 Ea.	\$2,222.84	\$2,761.54	3.3333	3	3	\$8,284.63	\$8,284.63
Replace fluorescent light fixture ballast, 80 W	10	146.00 Ea.	\$18,201.59	\$22,080.64	5.0000	5	3	\$110,403.18	\$66,241.91

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Replace lamps (2 lamps), 4', 34 W energy saver	10	146.00 Ea.	\$3,681.25	\$4,610.52	5.0000	5	5	\$23,052.62	\$23,052.62
Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W	20	146.00 Ea.	\$33,205.81	\$40,502.61	2.5000	2	2	\$81,005.23	\$81,005.23
Replace metal halide ballast, 175 W	10	55.00 Ea.	\$8,166.65	\$9,806.55	5.0000	5	3	\$49,032.77	\$29,419.66
Replace metal halide fixture lamp, 175 W	5	55.00 Ea.	\$2,749.30	\$3,363.45	10.0000	10	10	\$33,634.52	\$33,634.52
Replace metal halide fixture, 175 W	20	55.00 Ea.	\$42,815.82	\$50,299.55	2.5000	2	2	\$100,599.10	\$100,599.10
Repair smoke detector	10	16.00 Ea.	\$902.20	\$1,115.43	5.0000	5	4	\$5,577.13	\$4,461.70
Check operation smoke detector	1	16.00 Ea.	\$259.11	\$324.62	50.0000	50	50	\$16,231.22	\$16,231.22
Replace smoke detector	15	16.00 Ea.	\$4,547.80	\$5,431.39	3.3333	3	3	\$16,294.17	\$16,294.17
Check and repair manual pull station	10	5.00 Ea.	\$438.48	\$539.15	5.0000	5	4	\$2,695.76	\$2,156.61
Replace manual pull station	15	5.00 Ea.	\$1,017.34	\$1,224.71	3.3333	3	3	\$3,674.12	\$3,674.12
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
Maintenance and repair building structure ground	7	1.00 M.L.F.	\$87.89	\$109.79	7.1429	7	7	\$768.51	\$768.51
Replace building structure ground	50	1.00 M.L.F.	\$4,337.42	\$5,318.61	1.0000	1	1	\$5,318.61	\$5,318.61
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	1.00 Ea.	\$21.59	\$27.05	12.5000	12	12	\$324.62	\$324.62
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 emergency lighting fixture	2	42.00 Ea.	\$2,296.96	\$2,766.78	25.0000	25	25	\$69,169.44	\$69,169.44
Replace emergency lighting fixture	20	42.00 Ea.	\$25,299.46	\$29,809.98	2.5000	2	2	\$59,619.97	\$59,619.97
Maintenance and repair exit light	20	42.00 Ea.	\$1,562.47	\$1,932.13	2.5000	2	2	\$3,864.26	\$3,864.26
Replace lamp exit light	5	42.00 Ea.	\$707.55	\$838.47	10.0000	10	10	\$8,384.66	\$8,384.66
			\$1,206,642.60	\$1,424,865.36				MR Subtotal	\$3,596,211.21
								MR Per Year	\$71,789.55
								PM Total	\$17,106.38
								Subtotal	\$88,895.93
								Total Per Unit	\$4.77

FAC 2136 NUCLEAR REPAIR SHOP

SUC \$4.77

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 50

Type PM

Average Size 18648.0

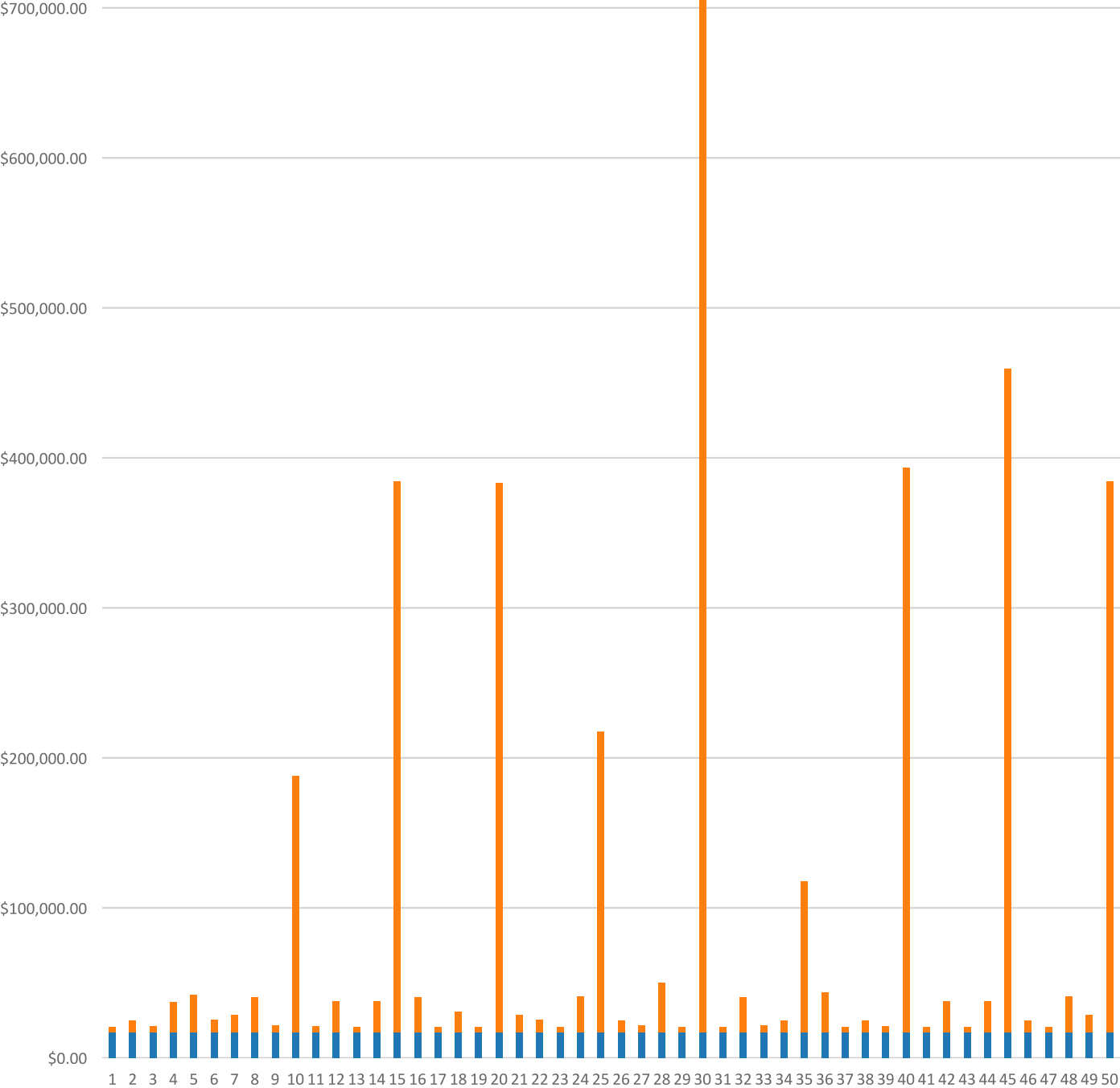
Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	1.00	0.26	\$14.59	\$10.75	\$0.00	\$25.34	\$30.03	\$35.44
Door, overhead, manual, up to 24' high x 25' wide, annualized	5.00	10.98	\$59.39	\$454.20	\$0.00	\$513.59	\$655.79	\$800.96
Fire doors, swinging, annualized	16.00	6.27	\$229.14	\$232.92	\$0.00	\$462.06	\$554.85	\$659.10
Urinals, annualized	2.00	0.46	\$12.64	\$22.91	\$0.00	\$35.54	\$43.68	\$52.45
Toilet (vacuum breaker type), annualized	9.00	1.59	\$75.98	\$80.08	\$0.00	\$156.06	\$187.68	\$223.10
Lavatories, annualized	7.00	2.44	\$41.75	\$144.92	\$0.00	\$186.68	\$234.33	\$284.07
Showers, annualized	2.00	0.46	\$25.78	\$27.22	\$0.00	\$53.00	\$63.75	\$75.78
Drink fountain, annualized	2.00	1.24	\$41.45	\$62.55	\$0.00	\$104.00	\$126.91	\$151.90
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
Chiller, recip., air cooled, over 25 tons, annualized	1.00	12.89	\$91.50	\$775.28	\$0.00	\$866.78	\$1,108.51	\$1,354.82
Air handling unit, over 50 tons, annualized	1.00	3.28	\$399.34	\$164.75	\$0.00	\$564.09	\$653.45	\$762.78
Fan coil unit, annualized	3.00	10.01	\$339.70	\$504.81	\$0.00	\$844.51	\$1,029.92	\$1,232.32
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
Fire pump, electric motor driven, annualized	1.00	47.75	\$53.08	\$2,841.22	\$0.00	\$2,894.30	\$3,751.98	\$4,612.31
Extinguishing system, foam pump electric, annualized	1.00	17.72	\$328.57	\$881.00	\$0.00	\$1,209.58	\$1,506.73	\$1,820.32
Extinguishing system, FM200, annualized	1.00	9.26	\$611.65	\$462.52	\$0.00	\$1,074.18	\$1,274.10	\$1,504.61
Panelboard, 225 A and above, annualized	3.00	1.32	\$69.59	\$87.02	\$0.00	\$156.62	\$189.68	\$226.23
Crane, electric bridge, up to 5 ton, annualized	1.00	2.92	\$171.90	\$102.86	\$0.00	\$274.76	\$322.80	\$379.44
Crane, electric bridge, over 15 tons, annualized	1.00	8.27	\$324.32	\$290.03	\$0.00	\$614.35	\$733.79	\$869.45
						\$11,356.16	\$14,155.31	\$17,106.38

FAC 2136 NUCLEAR REPAIR SHOP
Modeled Component List
CostWorks Release 2021 Qtr 3

B20 Exterior Enclosure	
Aluminum Window, Fixed, 1st floor	22.0 Ea.
Steel, Painted	1.0 Ea.
Steel Single, Roll-Up	1.0 Ea.
Steel Double, Roll-Up	4.0 Ea.
Aluminum Siding, 2nd floor	19.0 C.S.F.
Steel Frame, Operating, 2nd floor	34.0 Ea.
B30 Roofing	
Metal Steep Roofing	220.28 Sq.
C10 Interior Construction	
Concrete Block, Painted	89.7 C.S.F.
Fully Glazed Wooden Doors	2.0 Ea.
Steel Painted Interior Doors	12.0 Ea.
Solid Core Interior Doors	2.0 Ea.
Fire Doors, Swinging, annualized	16.0 Each
C20 Stairs	
Concrete Steps	58.0 S.F.
Metal Interior Stair Railing	24.0 L.F.
C30 Interior Finishes	
Drywall	574.0 S.F.
Concrete, Finished	87.5 C.S.F.
Vinyl	20.0 S.Y.
Carpet	45.7 S.Y.
Acoustic Tile, fire-rated	30.4 C.S.F.
D20 Plumbing	
Tankless Water Closet	9.0 Ea.
Urinal	2.0 Ea.
Lavatory, Vitreous China	7.0 Ea.
Sink, Iron Enamel	2.0 Ea.
Shower, Fiberglass	2.0 Ea.
Drinking Fountain	2.0 Ea.
Emergency Eye Wash	1.0 Ea.
Water Heater, Electric, 120 Gallon	2.0 Ea.
Drain: Roof, Scupper, Area	4.0 Ea.
D30 HVAC	
Boiler, Gas, 2000 MBH	1.0 Ea.
Fan Coil, 1 ton	3.0 Ea.
Exhaust Fan, roof mounted exhaust fan, 20300 CFM exhaust	1.0 Ea.
Circulator Pump, 1/12 - 3/4 H.P.	2.0 Ea.
Circulator Pump, 1 H.P.	1.0 Ea.
Terminal Reheat Coil, 36" x 36"	1.0 Ea.
Single Zone Air Conditioner, 60 ton	1.0 Ea.
Central Station Air Conditioning Air Handling Unit, 33,500 CFM	1.0 Ea.
D40 Fire Protection	
Sprinkler System, Fire Suppression, sprinkler head	60.0 Ea.
Fire Pump Electric Motor	1.0 Ea.
Fire Pump, Electric, annualized	1.0 Each
Extinguishing system, FM200	1.0 Each
D50 Electrical	
Motor Starter, Up To 600 V	4.0 Ea.
Load Center, 100 A, maintenance & inspection	3.0 Ea.
Safety Switch, Heavy Duty	2.0 Ea.

Fluorescent Lighting Fixture	146.0 Ea.
Metal Halide Fixture	55.0 Ea.
Smoke Detector	16.0 Ea.
Manual Pull Station	5.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Fire Alarm Bell	8.0 Ea.
Building Structure 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.
Emergency Lighting Fixture	42.0 Ea.
E10 Equipment	
Crane, Electric, up to 5 ton, annualized	1.0 Each
Crane, Electric, over 15 ton, annualized	1.0 Each

FAC 2136 NUCLEAR REPAIR SHOP
Sustainment by Year
CostWorks Release 2021 Qtr 3



PM Cost
MR Cost