

FAC 4421 COVERED STORAGE BUILDING, INSTALLATION

FY24 SUC: \$2.79 / SF
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 4421 COVERED STORAGE BUILDING, INSTALLATION

SUC \$2.79

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 45

Type MR

Average Size 8458.484631

Adjusted Occurences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost |
|--|-----------|------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|---------------|
| Repair internal leaks drinking fountain | 4 | 2.00 Ea. | \$95.54 | \$119.59 | 11.2500 | 11 | 11 | \$1,315.53 | \$1,315.53 |
| Replace refrigerant drinking fountain | 2 | 2.00 Ea. | \$70.81 | \$82.86 | 22.5000 | 22 | 22 | \$1,822.91 | \$1,822.91 |
| Repair drain leak drinking fountain | 4 | 2.00 Ea. | \$58.19 | \$70.38 | 11.2500 | 11 | 9 | \$774.17 | \$633.41 |
| Replace fountain drinking fountain | 10 | 2.00 Ea. | \$3,241.63 | \$3,808.60 | 4.5000 | 4 | 4 | \$15,234.41 | \$15,234.41 |
| Replace pipe and fittings, copper 3/4" | 20 | 16.00 L.F. | \$399.95 | \$484.74 | 2.2500 | 2 | 2 | \$969.47 | \$969.47 |
| Remove old insulation & replace with new, pipe 3/4", wall 1" | 15 | 16.00 L.F. | \$157.93 | \$193.51 | 3.0000 | 3 | 3 | \$580.53 | \$580.53 |
| Overhaul water heater, gas / oil, 70 gallon | 5 | 1.00 Ea. | \$172.87 | \$216.40 | 9.0000 | 9 | 9 | \$1,947.58 | \$1,947.58 |
| Clean & service water heater, gas / oil, 70 gallon | 1 | 1.00 Ea. | \$206.10 | \$258.00 | 45.0000 | 45 | 45 | \$11,610.02 | \$11,610.02 |
| Replace water heater, gas / oil, 70 gallon | 12 | 1.00 Ea. | \$3,214.32 | \$3,737.78 | 3.7500 | 3 | 3 | \$11,213.35 | \$11,213.35 |
| Unclog main drain pipe & fittings, cast iron | 10 | 1.00 Ea. | \$48.84 | \$61.14 | 4.5000 | 4 | 4 | \$244.56 | \$244.56 |
| Replace pipe & fittings, cast iron, 4" | 40 | 8.00 L.F. | \$462.98 | \$562.55 | 1.1250 | 1 | 1 | \$562.55 | \$562.55 |
| Unclog floor drain, PVC | 20 | 4.00 Ea. | \$201.81 | \$252.63 | 2.2500 | 2 | 2 | \$505.25 | \$505.25 |
| Unclog 4" - 12" diameter PVC main drain per L.F. | 10 | 2.00 L.F. | \$7.99 | \$10.00 | 4.5000 | 4 | 4 | \$39.99 | \$39.99 |
| Replace pipe, 4" pipe and fittings, PVC | 30 | 8.00 L.F. | \$663.54 | \$819.02 | 1.5000 | 1 | 1 | \$819.02 | \$819.02 |
| General maintenance & repair drain: roof, scupper, area | 1 | 1.00 Ea. | \$39.18 | \$49.05 | 45.0000 | 45 | 45 | \$2,207.11 | \$2,207.11 |
| Replace drain: roof, scupper, area | 40 | 3.00 Ea. | \$3,391.12 | \$3,911.55 | 1.1250 | 1 | 1 | \$3,911.55 | \$3,911.55 |
| Replace roof mounted exhaust fan, 2000 CFM exhaust fan | 20 | 2.00 Ea. | \$6,192.95 | \$7,190.10 | 2.2500 | 2 | 2 | \$14,380.21 | \$14,380.21 |
| Maintenance and repair explosionproof industrial heater | 2 | 2.00 Ea. | \$424.73 | \$496.34 | 22.5000 | 22 | 22 | \$10,919.46 | \$10,919.46 |
| Maintenance and inspection explosionproof industrial heater | 0.5 | 6.00 Ea. | \$493.91 | \$618.80 | 90.0000 | 90 | 90 | \$55,691.92 | \$55,691.92 |
| Repair single zone rooftop unit, 5 ton | 10 | 1.00 Ea. | \$2,705.41 | \$3,236.70 | 4.5000 | 4 | 4 | \$12,946.82 | \$12,946.82 |
| Replace single zone rooftop unit, 5 ton | 15 | 1.00 Ea. | \$8,703.79 | \$10,346.16 | 3.0000 | 3 | 3 | \$31,038.49 | \$31,038.49 |
| Repair central station A.H.U., 1300 CFM | 10 | 1.00 Ea. | \$597.15 | \$708.33 | 4.5000 | 4 | 3 | \$2,833.30 | \$2,124.98 |
| Replace central station A.H.U., 1300 CFM | 15 | 1.00 Ea. | \$10,552.72 | \$12,201.19 | 3.0000 | 3 | 3 | \$36,603.57 | \$36,603.57 |
| Inspect sprinkler system | 1 | 1.00 Ea. | \$36.17 | \$45.28 | 45.0000 | 45 | 45 | \$2,037.80 | \$2,037.80 |
| Replace sprinkler head | 20 | 90.00 Ea. | \$7,888.31 | \$9,733.67 | 2.2500 | 2 | 2 | \$19,467.34 | \$19,467.34 |
| Maintenance and inspection motor starter, up to 600 V | 0.5 | 2.00 Ea. | \$113.76 | \$142.53 | 90.0000 | 90 | 90 | \$12,827.29 | \$12,827.29 |
| Replace starter motor starter, up to 600 V | 18 | 2.00 Ea. | \$1,682.04 | \$2,001.49 | 2.5000 | 2 | 2 | \$4,002.99 | \$4,002.99 |
| Maintenance and inspection lighting panel, indoor | 3 | 1.00 Ea. | \$42.34 | \$53.05 | 15.0000 | 15 | 15 | \$795.77 | \$795.77 |

| 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 breaker, molded case, 480 V, 1 pole | 20 | 14.00 Ea. | \$1,061.77 | \$1,330.24 | 2.2500 | 2 | 2 | \$2,660.47 | \$2,660.47 |
| Maintenance and repair breaker, enclosed, 240 V, 2 pole | 25 | 4.00 Ea. | \$303.36 | \$380.07 | 1.8000 | 1 | 1 | \$380.07 | \$380.07 |
| Maintenance and repair safety switch, 3 pole safety switch, heavy duty | 8 | 2.00 Ea. | \$84.69 | \$106.10 | 5.6250 | 5 | 5 | \$530.51 | \$530.51 |
| Maintenance and repair receptacles and plugs | 20 | 28.00 Ea. | \$1,233.21 | \$1,539.49 | 2.2500 | 2 | 2 | \$3,078.98 | \$3,078.98 |
| Replace receptacle/plug receptacles and plugs | 20 | 28.00 Ea. | \$2,095.26 | \$2,583.49 | 2.2500 | 2 | 2 | \$5,166.98 | \$5,166.98 |
| Maintenance and repair wiring devices, switches | 10 | 14.00 Ea. | \$616.61 | \$769.75 | 4.5000 | 4 | 4 | \$3,078.98 | \$3,078.98 |
| Replace wiring devices, switches | 15 | 14.00 Ea. | \$933.54 | \$1,162.10 | 3.0000 | 3 | 3 | \$3,486.29 | \$3,486.29 |
| Replace fluorescent light fixture ballast, 80 W | 10 | 15.00 Ea. | \$1,569.09 | \$1,934.86 | 4.5000 | 4 | 2 | \$7,739.45 | \$3,869.72 |
| Replace lamps (2 lamps), 4', 34 W energy saver | 10 | 15.00 Ea. | \$397.29 | \$497.53 | 4.5000 | 4 | 4 | \$1,990.14 | \$1,990.14 |
| Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W | 20 | 15.00 Ea. | \$3,714.36 | \$4,520.65 | 2.2500 | 2 | 2 | \$9,041.30 | \$9,041.30 |
| Replace high pressure sodium fixture lamp, 250 W | 10 | 12.00 Ea. | \$759.25 | \$918.09 | 4.5000 | 4 | 4 | \$3,672.34 | \$3,672.34 |
| Check operation smoke detector | 1 | 18.00 Ea. | \$306.02 | \$383.39 | 45.0000 | 45 | 45 | \$17,252.70 | \$17,252.70 |
| Replace smoke detector | 15 | 18.00 Ea. | \$5,445.94 | \$6,501.93 | 3.0000 | 3 | 3 | \$19,505.79 | \$19,505.79 |
| Check and repair manual pull station | 10 | 5.00 Ea. | \$449.42 | \$553.73 | 4.5000 | 4 | 3 | \$2,214.94 | \$1,661.20 |
| Replace manual pull station | 15 | 5.00 Ea. | \$1,043.79 | \$1,258.81 | 3.0000 | 3 | 3 | \$3,776.44 | \$3,776.44 |
| Minor repairs to annunciation panel | 5 | 1.00 Ea. | \$149.42 | \$182.60 | 9.0000 | 9 | 9 | \$1,643.36 | \$1,643.36 |
| Maintenance and inspection annunciation panel | 0.5 | 1.00 Ea. | \$45.50 | \$57.01 | 90.0000 | 90 | 90 | \$5,130.92 | \$5,130.92 |
| Replace annunciation panel | 15 | 1.00 Ea. | \$1,125.25 | \$1,357.42 | 3.0000 | 3 | 3 | \$4,072.25 | \$4,072.25 |
| Replace fire alarm bell, 6" | 20 | 1.00 Ea. | \$180.61 | \$219.77 | 2.2500 | 2 | 2 | \$439.54 | \$439.54 |
| Maintenance and repair electrical service ground | 25 | 1.40 M.L.F. | \$129.20 | \$161.45 | 1.8000 | 1 | 1 | \$161.45 | \$161.45 |
| Maintenance and repair lightning ground rod | 1 | 2.00 Ea. | \$184.57 | \$230.64 | 45.0000 | 45 | 45 | \$10,378.94 | \$10,378.94 |
| Remove and replace hydraulic dock leveler lift cylinder | 15 | 1.00 Ea. | \$7,980.83 | \$9,088.67 | 3.0000 | 3 | 3 | \$27,266.00 | \$27,266.00 |
| Remove and replace hydraulic dock leveler hydraulic pump | 20 | 2.00 Ea. | \$4,233.89 | \$4,841.23 | 2.2500 | 2 | 2 | \$9,682.46 | \$9,682.46 |
| Minor chain link fence repairs, per 10 LF | 1 | 4.00 Ea. | \$114.19 | \$140.62 | 45.0000 | 45 | 45 | \$6,328.09 | \$6,328.09 |
| Clean out strainer and P trap lavatory, vitreous china | 2 | 4.00 Ea. | \$147.27 | \$184.36 | 22.5000 | 22 | 22 | \$4,055.98 | \$4,055.98 |
| Replace lavatory, vitreous china | 35 | 4.00 Ea. | \$2,874.89 | \$3,453.62 | 1.2857 | 1 | 1 | \$3,453.62 | \$3,453.62 |
| Replace faucet washer sink, service/utility | 2 | 1.00 Ea. | \$13.45 | \$16.77 | 22.5000 | 22 | 22 | \$368.93 | \$368.93 |
| Clean trap | 3 | 1.00 Ea. | \$9.01 | \$11.27 | 15.0000 | 15 | 15 | \$169.11 | \$169.11 |
| Replace faucets sink, service/utility | 10 | 1.00 Ea. | \$195.47 | \$235.12 | 4.5000 | 4 | 4 | \$940.49 | \$940.49 |
| Unstop sink | 2 | 1.00 Ea. | \$44.01 | \$55.09 | 22.5000 | 22 | 22 | \$1,212.06 | \$1,212.06 |
| Replace sink, P.E.C.I. service/utility | 35 | 1.00 Ea. | \$1,674.37 | \$1,957.84 | 1.2857 | 1 | 1 | \$1,957.84 | \$1,957.84 |
| Check / minor repairs drinking fountain | 1 | 2.00 Ea. | \$103.05 | \$129.00 | 45.0000 | 45 | 45 | \$5,805.01 | \$5,805.01 |
| Replace high pressure sodium ballast, 250 W | 10 | 12.00 Ea. | \$2,654.59 | \$3,138.02 | 4.5000 | 4 | 4 | \$12,552.09 | \$12,552.09 |

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost |
|--|-----------|--------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|---------------|
| Minor repairs to concrete floor unfinished | 15 | 288.00 S.F. | \$10,982.54 | \$13,402.63 | 3.0000 | 3 | 3 | \$40,207.89 | \$40,207.89 |
| Replace steel decking | 30 | 58.00 S.F. | \$342.46 | \$397.90 | 1.5000 | 1 | 1 | \$397.90 | \$397.90 |
| Replace aluminum siding, 1st floor | 35 | 54.00 C.S.F. | \$33,461.07 | \$40,303.18 | 1.2857 | 1 | 1 | \$40,303.18 | \$40,303.18 |
| Refinish aluminum siding, 1st floor | 20 | 46.00 C.S.F. | \$9,608.09 | \$11,786.17 | 2.2500 | 2 | 2 | \$23,572.34 | \$23,572.34 |
| Replace aluminum louver, 1st floor | 60 | 4.00 Ea. | \$2,416.59 | \$2,828.01 | 0.7500 | 0 | 0 | \$0.00 | \$0.00 |
| Repair steel, painted, door | 14 | 1.00 Ea. | \$702.33 | \$834.19 | 3.2143 | 3 | 3 | \$2,502.58 | \$2,502.58 |
| Refinish 3'-0" x 7'-0" steel, painted, door | 4 | 1.00 Ea. | \$46.05 | \$56.40 | 11.2500 | 11 | 11 | \$620.36 | \$620.36 |
| Replace 3'-0" x 7'-0" steel, painted, door | 45 | 1.00 Ea. | \$917.11 | \$1,061.93 | 1.0000 | 1 | 1 | \$1,061.93 | \$1,061.93 |
| Repair 12' x 24' aluminum double roll-up door | 10 | 3.00 Ea. | \$6,242.28 | \$7,265.02 | 4.5000 | 4 | 4 | \$29,060.09 | \$29,060.09 |
| Replace 12' x 24' aluminum double roll-up door | 35 | 3.00 Ea. | \$24,969.10 | \$29,060.09 | 1.2857 | 1 | 1 | \$29,060.09 | \$29,060.09 |
| Debris removal, by hand and visual inspection, metal panel roofing | 1 | 9.04 M.S.F. | \$221.80 | \$270.53 | 45.0000 | 45 | 45 | \$12,173.98 | \$12,173.98 |
| Minor metal roof finish repairs, 2% of roof area, metal panel roofing | 5 | 147.00 S.F. | \$679.44 | \$807.47 | 9.0000 | 9 | 9 | \$7,267.19 | \$7,267.19 |
| Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing | 1 | 3.62 S.F. | \$91.49 | \$109.34 | 45.0000 | 45 | 45 | \$4,920.32 | \$4,920.32 |
| Minor metal roof panel replacement, 2.5% of roof area | 20 | 184.00 S.F. | \$2,369.56 | \$2,808.98 | 2.2500 | 2 | 2 | \$5,617.96 | \$5,617.96 |
| Total metal roof panel replacement | 30 | 84.00 Sq. | \$74,334.80 | \$88,122.90 | 1.5000 | 1 | 1 | \$88,122.90 | \$88,122.90 |
| Repair steel painted interior door | 14 | 3.00 Ea. | \$836.97 | \$977.05 | 3.2143 | 3 | 3 | \$2,931.14 | \$2,931.14 |
| Refinish 3'-0" x 7'-0" steel painted interior door | 4 | 3.00 Ea. | \$172.95 | \$212.63 | 11.2500 | 11 | 11 | \$2,338.95 | \$2,338.95 |
| Replace 3'-0" x 7'-0" steel painted interior door | 60 | 3.00 Ea. | \$3,838.64 | \$4,451.75 | 0.7500 | 0 | 0 | \$0.00 | \$0.00 |
| Repair solid core wood door, interior | 11 | 2.00 Ea. | \$557.98 | \$651.36 | 4.0909 | 4 | 4 | \$2,605.46 | \$2,605.46 |
| Replace 3'-0" x 7'-0" solid core wood door, interior | 40 | 2.00 Ea. | \$1,133.10 | \$1,308.20 | 1.1250 | 1 | 1 | \$1,308.20 | \$1,308.20 |
| Refinish concrete floor finished | 25 | 15.00 C.S.F. | \$6,248.66 | \$7,539.28 | 1.8000 | 1 | 1 | \$7,539.28 | \$7,539.28 |
| Replace vinyl tile flooring | 18 | 37.60 S.Y. | \$1,920.95 | \$2,363.98 | 2.5000 | 2 | 2 | \$4,727.95 | \$4,727.95 |
| Replace rubber tile floor | 18 | 4.00 S.Y. | \$399.64 | \$490.37 | 2.5000 | 2 | 2 | \$980.75 | \$980.75 |
| Replace acoustic tile ceiling, fire-rated | 20 | 4.00 C.S.F. | \$2,083.71 | \$2,462.79 | 2.2500 | 2 | 2 | \$4,925.58 | \$4,925.58 |
| Replace flush valve diaphragm tankless water closet | 10 | 6.00 Ea. | \$163.58 | \$203.14 | 4.5000 | 4 | 4 | \$812.55 | \$812.55 |
| Rebuild flush valve tankless water closet | 20 | 6.00 Ea. | \$1,151.29 | \$1,387.61 | 2.2500 | 2 | 2 | \$2,775.23 | \$2,775.23 |
| Unplug clogged line tankless water closet | 5 | 6.00 Ea. | \$1,379.57 | \$1,726.99 | 9.0000 | 9 | 9 | \$15,542.91 | \$15,542.91 |
| Replace tankless water closet | 35 | 6.00 Ea. | \$8,499.33 | \$9,829.92 | 1.2857 | 1 | 1 | \$9,829.92 | \$9,829.92 |
| Replace tankless flush valve | 25 | 6.00 Ea. | \$1,621.46 | \$1,903.31 | 1.8000 | 1 | 1 | \$1,903.31 | \$1,903.31 |
| Replace wax ring gasket for tankless water closet | 5 | 6.00 Ea. | \$894.99 | \$1,119.32 | 9.0000 | 9 | 9 | \$10,073.89 | \$10,073.89 |
| Replace flush valve diaphragm for a urinal | 7 | 2.00 Ea. | \$54.53 | \$67.71 | 6.4286 | 6 | 6 | \$406.27 | \$406.27 |

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost | |
|--|-----------|----------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|----------------|-------------|
| Rebuild flush valve for a urinal | 20 | 2.00 Ea. | \$383.76 | \$462.54 | 2.2500 | 2 | 2 | \$925.08 | \$925.08 | |
| Unplug line urinal | 5 | 2.00 Ea. | \$305.28 | \$382.16 | 9.0000 | 9 | 9 | \$3,439.47 | \$3,439.47 | |
| Replace wall-hung urinal | 35 | 2.00 Ea. | \$2,175.04 | \$2,616.09 | 1.2857 | 1 | 1 | \$2,616.09 | \$2,616.09 | |
| Replace washer in spud connection lavatory, vitreous china | 7 | 4.00 Ea. | \$69.29 | \$84.56 | 6.4286 | 6 | 6 | \$507.38 | \$507.38 | |
| Replace washer in faucet lavatory, vitreous china | 2 | 4.00 Ea. | \$54.27 | \$67.67 | 22.5000 | 22 | 22 | \$1,488.71 | \$1,488.71 | |
| Replace faucets lavatory, vitreous china | 10 | 4.00 Ea. | \$781.89 | \$940.49 | 4.5000 | 4 | 4 | \$3,761.94 | \$3,761.94 | |
| | | | \$295,850.81 | \$351,675.86 | | | | MR Subtotal | \$797,552.70 | |
| | | | | | | | | | MR Per Year | \$17,723.39 |
| | | | | | | | | | PM Total | \$5,863.92 |
| | | | | | | | | | Subtotal | \$23,587.31 |
| | | | | | | | | | Total Per Unit | \$2.79 |

FAC 4421 COVERED STORAGE BUILDING, INSTALLATION

SUC \$2.79

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 8458.484631

| 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 | \$16.76 | \$11.48 | \$0.00 | \$28.25 | \$33.37 | \$39.33 |
| Door, overhead, electric, roll up, to 24' high x 25' wide, annualized | 3.00 | 12.21 | \$129.23 | \$539.90 | \$0.00 | \$669.13 | \$844.03 | \$1,025.38 |
| Fire doors, swinging, annualized | 4.00 | 1.57 | \$62.66 | \$61.82 | \$0.00 | \$124.49 | \$149.30 | \$177.25 |
| Urinals, annualized | 2.00 | 0.46 | \$13.26 | \$24.33 | \$0.00 | \$37.59 | \$46.21 | \$55.50 |
| Toilet (vacuum breaker type), annualized | 4.00 | 0.71 | \$35.42 | \$37.84 | \$0.00 | \$73.26 | \$88.16 | \$104.83 |
| Lavatories, annualized | 4.00 | 1.39 | \$31.17 | \$87.20 | \$0.00 | \$118.37 | \$147.65 | \$178.48 |
| Drink fountain, annualized | 2.00 | 1.24 | \$74.89 | \$66.27 | \$0.00 | \$141.16 | \$168.53 | \$199.65 |
| Duplex sump, annualized | 1.00 | 1.65 | \$26.82 | \$88.94 | \$0.00 | \$115.76 | \$145.13 | \$175.83 |
| Fan coil unit, annualized | 1.00 | 3.34 | \$81.97 | \$178.76 | \$0.00 | \$260.73 | \$322.56 | \$388.48 |
| Unit heater, gas radiant, annualized | 4.00 | 4.04 | \$4.13 | \$216.26 | \$0.00 | \$220.38 | \$285.67 | \$351.17 |
| Package unit, air cooled, 3 thru 24 ton, annualized | 1.00 | 2.40 | \$166.98 | \$151.73 | \$0.00 | \$318.71 | \$380.92 | \$451.49 |
| Backflow prevention device, over 4", annualized | 1.00 | 0.49 | \$14.02 | \$30.96 | \$0.00 | \$44.97 | \$55.66 | \$67.05 |
| Extinguishing system, wet pipe, annually | 1.00 | 3.82 | \$32.89 | \$239.80 | \$0.00 | \$272.69 | \$347.92 | \$424.79 |
| Switchboard, annualized | 2.00 | 1.40 | \$7.96 | \$97.94 | \$0.00 | \$105.90 | \$136.08 | \$166.66 |
| Panelboard, 225 A and above, annually | 4.00 | 1.76 | \$88.00 | \$121.66 | \$0.00 | \$209.66 | \$254.96 | \$304.66 |
| Fire alarm annunciator system, annualized | 1.00 | 11.05 | \$163.44 | \$695.92 | \$0.00 | \$859.36 | \$1,084.48 | \$1,317.78 |
| Light, emergency, wet cell, annualized | 4.00 | 1.56 | \$122.13 | \$98.98 | \$0.00 | \$221.10 | \$263.01 | \$311.02 |
| Hydraulic lift, loading dock, annualized | 1.00 | 1.63 | \$24.27 | \$58.90 | \$0.00 | \$83.17 | \$103.27 | \$124.58 |
| | | | | | | \$3,904.70 | \$4,856.91 | \$5,863.92 |

FAC 4421 COVERED STORAGE BUILDING, INSTALLATION

Modeled Component List CostWorks Release 2023 Qtr 4

D20 Plumbing

| | |
|------------------------------------|---------|
| Drinking Fountain | 2.0 Ea. |
| Water Heater, Gas / Oil, 70 Gallon | 1.0 Ea. |
| Drain: Roof, Scupper, Area | 3.0 Ea. |
| Lavatory, Vitreous China | 4.0 Ea. |
| Service/Utility Sink | 1.0 Ea. |
| Tankless Water Closet | 6.0 Ea. |
| Urinal | 2.0 Ea. |

D30 HVAC

| | |
|--|---------|
| Exhaust Fan, roof mounted exhaust fan, 2000 CFM exhaust | 2.0 Ea. |
| Single Zone Air Conditioner, 5 ton | 1.0 Ea. |
| Central Station Air Conditioning Air Handling Unit, 1300 CFM | 1.0 Ea. |

D40 Fire Protection

| | |
|--|----------|
| Sprinkler System, Fire Suppression, sprinkler head | 90.0 Ea. |
|--|----------|

D50 Electrical

| | |
|--|----------|
| Motor Starter, Up To 600 V | 2.0 Ea. |
| Load Center, 100 A, maintenance & inspection | 1.0 Ea. |
| Fluorescent Lighting Fixture | 15.0 Ea. |
| Smoke Detector | 18.0 Ea. |
| Manual Pull Station | 5.0 Ea. |
| Annunciation Panel | 1.0 Ea. |
| Fire Alarm Bell | 1.0 Ea. |

B10 Superstructure

| | |
|---------------|-----------|
| Steel Decking | 58.0 S.F. |
|---------------|-----------|

B20 Exterior Enclosure

| | |
|----------------------------|-------------|
| Aluminum Siding, 1st floor | 54.0 C.S.F. |
| Steel, Painted | 1.0 Ea. |
| Aluminum Double, Roll-Up | 3.0 Ea. |

B30 Roofing

| | |
|---------------------|----------|
| Metal Steep Roofing | 84.0 Sq. |
|---------------------|----------|

C10 Interior Construction

| | |
|----------------------------------|----------|
| Steel Painted Interior Doors | 3.0 Ea. |
| Solid Core Interior Doors | 2.0 Ea. |
| Fire Doors, Swinging, annualized | 4.0 Each |

C30 Interior Finishes

| | |
|---------------------------|-------------|
| Concrete, Finished | 15.0 C.S.F. |
| Vinyl | 37.6 S.Y. |
| Rubber Tile | 4.0 S.Y. |
| Acoustic Tile, fire-rated | 4.0 C.S.F. |

E10 Equipment

| | |
|--|----------|
| Hydraulic Lift, Loading Dock, annualized | 1.0 Each |
|--|----------|

FAC 4421 COVERED STORAGE BUILDING, INSTALLATION
Sustainment by Year
CostWorks Release 2023 Qtr 4

