

FAC 2182 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHOP

| | |
|-----------|---|
| FY22 SUC: | \$4.59 / SF |
| Source: | Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices |

FAC 2182 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHOP SUC \$4.59

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 50

Type MR

Average Size 6599.0

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 |
|--|-----------|--------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|---------------|
| Point and refinish painted concrete block wall, 1st floor | 25 | 27.52 C.S.F. | \$12,928.26 | \$15,956.24 | 2.0000 | 2 | 2 | \$31,912.48 | \$31,912.48 |
| Replace aluminum siding, 2nd floor | 35 | 18.40 C.S.F. | \$13,173.33 | \$15,954.46 | 1.4286 | 1 | 1 | \$15,954.46 | \$15,954.46 |
| Refinish aluminum siding, 2nd floor | 20 | 18.40 C.S.F. | \$5,166.29 | \$6,393.28 | 2.5000 | 2 | 2 | \$12,786.57 | \$12,786.57 |
| Replace glass - 2nd floor (1% of glass) - steel frame window | 1 | 1.44 S.F. | \$152.92 | \$188.74 | 50.0000 | 50 | 50 | \$9,437.08 | \$9,437.08 |
| Repair 3'-9" x 5'-5" steel frame window - 2nd floor. | 20 | 6.00 Ea. | \$2,069.32 | \$2,449.59 | 2.5000 | 2 | 2 | \$4,899.18 | \$4,899.18 |
| Refinish 3'-9" x 5'-5" steel frame window - 2nd floor. | 5 | 6.00 Ea. | \$889.28 | \$1,104.41 | 10.0000 | 10 | 10 | \$11,044.12 | \$11,044.12 |
| Finish new 3'-9" x 5'-5" steel frame window - 2nd floor. | 45 | 6.00 Ea. | \$825.68 | \$1,025.32 | 1.1111 | 1 | 1 | \$1,025.32 | \$1,025.32 |
| Replace glass - 1st floor (1% of glass) - alum. window fixed | 1 | 1.24 S.F. | \$14.95 | \$17.57 | 50.0000 | 50 | 50 | \$878.64 | \$878.64 |
| Repair 2'-0" x 3'-0" aluminum window - 1st floor | 20 | 2.00 Ea. | \$289.47 | \$345.22 | 2.5000 | 2 | 2 | \$690.44 | \$690.44 |
| Repair steel, painted, door | 14 | 2.00 Ea. | \$1,250.15 | \$1,488.01 | 3.5714 | 3 | 3 | \$4,464.03 | \$4,464.03 |
| Refinish 3'-0" x 7'-0" steel, painted, door | 4 | 2.00 Ea. | \$82.80 | \$101.73 | 12.5000 | 12 | 12 | \$1,220.79 | \$1,220.79 |
| Replace 3'-0" x 7'-0" steel, painted, door | 45 | 2.00 Ea. | \$1,410.13 | \$1,639.46 | 1.1111 | 1 | 1 | \$1,639.46 | \$1,639.46 |
| 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 |
| Refinish 12' x 12' steel roll-up door | 5 | 1.00 Ea. | \$203.45 | \$249.19 | 10.0000 | 10 | 10 | \$2,491.89 | \$2,491.89 |
| 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 |
| Debris removal, by hand and visual inspection, metal panel roofing | 1 | 7.36 M.S.F. | \$167.78 | \$204.64 | 50.0000 | 50 | 50 | \$10,232.19 | \$10,232.19 |
| Minor metal roof finish repairs, 2% of roof area, metal panel roofing | 5 | 138.70 S.F. | \$484.50 | \$581.29 | 10.0000 | 10 | 10 | \$5,812.91 | \$5,812.91 |
| Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing | 1 | 6.60 S.F. | \$120.78 | \$146.34 | 50.0000 | 50 | 50 | \$7,316.92 | \$7,316.92 |
| Minor metal roof panel replacement, 2.5% of roof area | 20 | 173.38 S.F. | \$1,981.28 | \$2,353.09 | 2.5000 | 2 | 2 | \$4,706.17 | \$4,706.17 |
| Total metal roof panel replacement | 30 | 69.35 Sq. | \$58,610.92 | \$69,420.48 | 1.6667 | 1 | 1 | \$69,420.48 | \$69,420.48 |
| Replace insulating glass (3% of glass) fully glazed wooden doors | 1 | 1.26 S.F. | \$71.30 | \$82.89 | 50.0000 | 50 | 50 | \$4,144.35 | \$4,144.35 |
| Repair steel painted interior door | 14 | 10.00 Ea. | \$2,934.52 | \$3,415.64 | 3.5714 | 3 | 3 | \$10,246.92 | \$10,246.92 |
| Refinish 3'-0" x 7'-0" steel painted interior door | 4 | 10.00 Ea. | \$525.85 | \$647.86 | 12.5000 | 12 | 12 | \$7,774.36 | \$7,774.36 |
| Replace 3'-0" x 7'-0" steel painted interior door | 60 | 10.00 Ea. | \$12,180.34 | \$14,120.83 | 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 |

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost |
|--|-----------|-------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|---------------|
| Repair 5/8" drywall - (2% of walls) | 20 | 13.02 S.F. | \$21.81 | \$26.54 | 2.5000 | 2 | 2 | \$53.08 | \$53.08 |
| Refinish drywall | 4 | 651.00 S.F. | \$404.26 | \$497.31 | 12.5000 | 12 | 12 | \$5,967.67 | \$5,967.67 |
| Replace 5/8" drywall | 75 | 651.00 S.F. | \$1,517.23 | \$1,856.79 | 0.6667 | 0 | 0 | \$0.00 | \$0.00 |
| Replace flush valve diaphragm tankless water closet | 10 | 4.00 Ea. | \$104.88 | \$130.14 | 5.0000 | 5 | 5 | \$650.72 | \$650.72 |
| Rebuild flush valve tankless water closet | 20 | 4.00 Ea. | \$721.74 | \$869.83 | 2.5000 | 2 | 2 | \$1,739.66 | \$1,739.66 |
| Unplug clogged line tankless water closet | 5 | 4.00 Ea. | \$873.58 | \$1,092.51 | 10.0000 | 10 | 10 | \$10,925.07 | \$10,925.07 |
| Replace tankless water closet | 35 | 4.00 Ea. | \$5,144.88 | \$5,953.98 | 1.4286 | 1 | 1 | \$5,953.98 | \$5,953.98 |
| Replace tankless flush valve | 25 | 4.00 Ea. | \$1,008.86 | \$1,184.44 | 2.0000 | 2 | 2 | \$2,368.88 | \$2,368.88 |
| Replace wax ring gasket for tankless water closet | 5 | 4.00 Ea. | \$566.08 | \$707.31 | 10.0000 | 10 | 10 | \$7,073.06 | \$7,073.06 |
| 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 |
| 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 | 4.00 Ea. | \$65.85 | \$80.32 | 7.1429 | 7 | 7 | \$562.24 | \$562.24 |
| Replace washer in faucet lavatory, vitreous china | 2 | 4.00 Ea. | \$51.54 | \$64.21 | 25.0000 | 25 | 25 | \$1,605.18 | \$1,605.18 |
| Replace faucets lavatory, vitreous china | 10 | 4.00 Ea. | \$726.90 | \$875.02 | 5.0000 | 5 | 5 | \$4,375.11 | \$4,375.11 |
| Clean out strainer and P trap lavatory, vitreous china | 2 | 4.00 Ea. | \$139.48 | \$174.43 | 25.0000 | 25 | 25 | \$4,360.79 | \$4,360.79 |
| Replace lavatory, vitreous china | 35 | 4.00 Ea. | \$2,690.30 | \$3,232.88 | 1.4286 | 1 | 1 | \$3,232.88 | \$3,232.88 |
| Replace faucet washer sink, iron enamel | 2 | 1.00 Ea. | \$12.78 | \$15.92 | 25.0000 | 25 | 25 | \$397.90 | \$397.90 |
| Clean trap sink, iron enamel | 3 | 1.00 Ea. | \$8.57 | \$10.72 | 16.6667 | 16 | 16 | \$171.50 | \$171.50 |
| Replace faucets sink, iron enamel | 10 | 1.00 Ea. | \$181.73 | \$218.76 | 5.0000 | 5 | 5 | \$1,093.78 | \$1,093.78 |
| Unstop sink, iron enamel | 2 | 1.00 Ea. | \$41.82 | \$52.30 | 25.0000 | 25 | 25 | \$1,307.56 | \$1,307.56 |
| Replace sink, P.E.C.I. sink, iron enamel kitchen | 35 | 1.00 Ea. | \$636.70 | \$757.51 | 1.4286 | 1 | 1 | \$757.51 | \$757.51 |
| Inspect / clean shower head fiberglass | 3 | 4.00 Ea. | \$197.57 | \$247.08 | 16.6667 | 16 | 16 | \$3,953.35 | \$3,953.35 |
| Replace mixing valve barrel shower, fiberglass | 2 | 4.00 Ea. | \$1,130.36 | \$1,329.28 | 25.0000 | 25 | 25 | \$33,231.94 | \$33,231.94 |
| Replace mixing valve shower, fiberglass | 10 | 4.00 Ea. | \$1,103.53 | \$1,342.22 | 5.0000 | 5 | 5 | \$6,711.10 | \$6,711.10 |
| Replace shower and fittings, fiberglass | 20 | 4.00 Ea. | \$3,866.55 | \$4,624.64 | 2.5000 | 2 | 2 | \$9,249.28 | \$9,249.28 |
| Check / minor repairs drinking fountain | 1 | 4.00 Ea. | \$195.53 | \$244.53 | 50.0000 | 50 | 50 | \$12,226.52 | \$12,226.52 |
| Repair internal leaks drinking fountain | 4 | 4.00 Ea. | \$180.32 | \$225.51 | 12.5000 | 12 | 12 | \$2,706.14 | \$2,706.14 |
| Correct water pressure drinking fountain | 2 | 4.00 Ea. | \$167.29 | \$209.21 | 25.0000 | 25 | 25 | \$5,230.23 | \$5,230.23 |
| Replace refrigerant drinking fountain | 2 | 4.00 Ea. | \$130.73 | \$153.08 | 25.0000 | 25 | 25 | \$3,826.92 | \$3,826.92 |
| Repair drain leak drinking fountain | 4 | 4.00 Ea. | \$135.66 | \$162.14 | 12.5000 | 12 | 10 | \$1,945.66 | \$1,621.39 |
| Replace fountain drinking fountain | 10 | 4.00 Ea. | \$5,124.62 | \$6,058.24 | 5.0000 | 5 | 5 | \$30,291.18 | \$30,291.18 |
| Inspect and clean spray heads, emergency eye wash | 3 | 1.00 Ea. | \$49.39 | \$61.77 | 16.6667 | 16 | 16 | \$988.34 | \$988.34 |

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost |
|---|-----------|------------|----------------|---------------|-----------------------|----------------------------|----------------------|--------------|---------------|
| 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 |
| Drain and flush water heater, electric, 120 gallon | 7 | 1.00 Ea. | \$294.38 | \$368.15 | 7.1429 | 7 | 7 | \$2,577.08 | \$2,577.08 |
| Check operation water heater, electric, 120 gallon | 3 | 1.00 Ea. | \$2.59 | \$3.23 | 16.6667 | 16 | 16 | \$51.73 | \$51.73 |
| Replace water heater, electric, 120 gallon | 15 | 1.00 Ea. | \$14,632.58 | \$16,736.89 | 3.3333 | 3 | 3 | \$50,210.67 | \$50,210.67 |
| Unclog main drain pipe & fittings, cast iron | 10 | 1.00 Ea. | \$46.17 | \$57.74 | 5.0000 | 5 | 5 | \$288.68 | \$288.68 |
| Replace pipe & fittings, cast iron, 4" | 40 | 16.00 L.F. | \$1,071.15 | \$1,285.72 | 1.2500 | 1 | 1 | \$1,285.72 | \$1,285.72 |
| 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 | 1.00 Ea. | \$151.29 | \$188.00 | 5.0000 | 5 | 5 | \$940.00 | \$940.00 |
| Replace pipe, 4" pipe and fittings, PVC | 30 | 16.00 L.F. | \$1,305.42 | \$1,606.15 | 1.6667 | 1 | 1 | \$1,606.15 | \$1,606.15 |
| General maintenance & repair drain: roof, scupper, area | 1 | 3.00 Ea. | \$110.96 | \$138.77 | 50.0000 | 50 | 50 | \$6,938.55 | \$6,938.55 |
| Replace drain: roof, scupper, area | 40 | 3.00 Ea. | \$2,360.80 | \$2,737.08 | 1.2500 | 1 | 1 | \$2,737.08 | \$2,737.08 |
| Resolder joint pipe & fittings, oxygen | 12 | 1.00 Ea. | \$72.11 | \$89.21 | 4.1667 | 4 | 4 | \$356.83 | \$356.83 |
| Replace pipe and fittings, oxygen | 25 | 16.00 L.F. | \$414.78 | \$499.51 | 2.0000 | 2 | 2 | \$999.03 | \$999.03 |
| Check and adjust 10 H.P. compressor | 1 | 1.00 Ea. | \$84.66 | \$105.88 | 50.0000 | 50 | 50 | \$5,294.08 | \$5,294.08 |
| Replace 10 H.P. compressor | 25 | 1.00 Ea. | \$10,426.70 | \$12,245.64 | 2.0000 | 2 | 2 | \$24,491.29 | \$24,491.29 |
| 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 metal flue, all fuel SS, 6" diameter metal flue / chimney | 15 | 1.00 L.F. | \$129.05 | \$149.45 | 3.3333 | 3 | 3 | \$448.36 | \$448.36 |
| Repair fan coil unit, 1 ton | 10 | 1.00 Ea. | \$385.03 | \$463.10 | 5.0000 | 5 | 4 | \$2,315.48 | \$1,852.38 |
| Replace fan coil unit, 1 ton | 15 | 1.00 Ea. | \$1,220.61 | \$1,426.76 | 3.3333 | 3 | 3 | \$4,280.29 | \$4,280.29 |
| Replace fan coil, DX 10 ton, with heat | 10 | 2.00 Ea. | \$10,281.35 | \$12,084.20 | 5.0000 | 5 | 5 | \$60,420.99 | \$60,420.99 |
| Replace fan & motor, propeller exhaust, 375 CFM exhaust fan | 15 | 2.00 Ea. | \$1,164.60 | \$1,381.28 | 3.3333 | 3 | 3 | \$4,143.85 | \$4,143.85 |
| Replace fan & motor, propeller exhaust, 4700 CFM exhaust fan | 15 | 1.00 Ea. | \$2,039.86 | \$2,375.64 | 3.3333 | 3 | 3 | \$7,126.93 | \$7,126.93 |
| Replace single zone rooftop unit, 25 ton | 15 | 2.00 Ea. | \$102,686.34 | \$119,171.04 | 3.3333 | 3 | 3 | \$357,513.12 | \$357,513.12 |
| 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 | 36.00 Ea. | \$3,078.82 | \$3,786.82 | 2.5000 | 2 | 2 | \$7,573.64 | \$7,573.64 |
| 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 |
| Maintenance and repair motor starter, up to 600 V | 5 | 3.00 Ea. | \$838.92 | \$1,012.79 | 10.0000 | 10 | 10 | \$10,127.94 | \$10,127.94 |
| Maintenance and inspection motor starter, up to 600 V | 0.5 | 3.00 Ea. | \$161.94 | \$202.89 | 100.0000 | 100 | 100 | \$20,289.02 | \$20,289.02 |
| Replace starter motor starter, up to 600 V | 18 | 3.00 Ea. | \$2,415.93 | \$2,874.22 | 2.7778 | 2 | 2 | \$5,748.45 | \$5,748.45 |
| 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 general, 2 pole | 8 | 1.00 Ea. | \$40.64 | \$50.92 | 6.2500 | 6 | 6 | \$305.53 | \$305.53 |
| Maintenance and inspection safety switch, 2 pole | 1 | 1.00 Ea. | \$40.64 | \$50.92 | 50.0000 | 50 | 50 | \$2,546.07 | \$2,546.07 |
| Replace safety switch, 240 V, 2 pole | 25 | 1.00 Ea. | \$391.60 | \$477.36 | 2.0000 | 2 | 2 | \$954.72 | \$954.72 |

| Description | Frequency | Qty Unit | Total In-House | Total Incl OP | Design Life/Frequency | Occurrences in Design Life | Adjusted Occurrences | Life Cost | Adjusted Cost | |
|---|-----------|-----------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|----------------|-------------|
| Replace fluorescent light fixture ballast, 80 W | 10 | 10.00 Ea. | \$1,246.68 | \$1,512.37 | 5.0000 | 5 | 5 | \$7,561.86 | \$7,561.86 | |
| Replace lamps (2 lamps), 4', 34 W energy saver | 10 | 10.00 Ea. | \$252.14 | \$315.79 | 5.0000 | 5 | 5 | \$1,578.95 | \$1,578.95 | |
| Replace metal halide ballast, 175 W | 10 | 15.00 Ea. | \$2,227.27 | \$2,674.51 | 5.0000 | 5 | 5 | \$13,372.57 | \$13,372.57 | |
| Replace metal halide fixture lamp, 175 W | 5 | 15.00 Ea. | \$749.81 | \$917.30 | 10.0000 | 10 | 10 | \$9,173.05 | \$9,173.05 | |
| Repair smoke detector | 10 | 10.00 Ea. | \$563.88 | \$697.14 | 5.0000 | 5 | 4 | \$3,485.70 | \$2,788.56 | |
| Check operation smoke detector | 1 | 10.00 Ea. | \$161.94 | \$202.89 | 50.0000 | 50 | 50 | \$10,144.51 | \$10,144.51 | |
| Replace smoke detector | 15 | 10.00 Ea. | \$2,842.37 | \$3,394.62 | 3.3333 | 3 | 3 | \$10,183.86 | \$10,183.86 | |
| Repair heat detector | 10 | 10.00 Ea. | \$613.78 | \$753.85 | 5.0000 | 5 | 5 | \$3,769.23 | \$3,769.23 | |
| Check operation heat detector | 1 | 10.00 Ea. | \$161.94 | \$202.89 | 50.0000 | 50 | 50 | \$10,144.51 | \$10,144.51 | |
| Replace heat detector | 15 | 10.00 Ea. | \$1,709.64 | \$2,090.41 | 3.3333 | 3 | 3 | \$6,271.22 | \$6,271.22 | |
| 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 | 3.00 Ea. | \$584.89 | \$705.83 | 2.5000 | 2 | 2 | \$1,411.65 | \$1,411.65 | |
| | | | \$334,140.20 | \$394,576.71 | | | | MR Subtotal | \$1,152,256.82 | |
| | | | | | | | | | MR Per Year | \$22,997.33 |
| | | | | | | | | | PM Total | \$7,286.02 |
| | | | | | | | | | Subtotal | \$30,283.35 |
| | | | | | | | | | Total Per Unit | \$4.59 |

FAC 2182 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHOP SUC \$4.59

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 50

Type PM

Average Size 6599.0

| Description | Qty | Labor Hours | Bare Mat | Bare Labor | Bare Equip | Bare Total | Total In-House | Total Incl OP |
|--|------|-------------|----------|------------|------------|------------|----------------|---------------|
| Door, emergency egress, swinging, annualized | 2.00 | 0.52 | \$29.18 | \$21.50 | \$0.00 | \$50.68 | \$60.05 | \$70.88 |
| Door, overhead, electric, roll up, to 24' high x 25' wide, annualized | 4.00 | 16.28 | \$163.84 | \$675.24 | \$0.00 | \$839.08 | \$1,058.04 | \$1,285.19 |
| Urinals, annualized | 2.00 | 0.46 | \$12.64 | \$22.91 | \$0.00 | \$35.54 | \$43.68 | \$52.45 |
| Toilet (vacuum breaker type), annualized | 4.00 | 0.71 | \$33.77 | \$35.59 | \$0.00 | \$69.36 | \$83.41 | \$99.16 |
| Lavatories, annualized | 4.00 | 1.39 | \$23.86 | \$82.81 | \$0.00 | \$106.67 | \$133.90 | \$162.33 |
| Showers, annualized | 4.00 | 0.91 | \$51.56 | \$54.45 | \$0.00 | \$106.01 | \$127.50 | \$151.56 |
| Drink fountain, annualized | 4.00 | 2.48 | \$82.90 | \$125.10 | \$0.00 | \$208.00 | \$253.82 | \$303.79 |
| 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 |
| Fan coil unit, annualized | 2.00 | 6.68 | \$226.46 | \$336.54 | \$0.00 | \$563.01 | \$686.62 | \$821.55 |
| VAV Boxes, annualized | 2.00 | 1.87 | \$19.21 | \$112.77 | \$0.00 | \$131.98 | \$167.73 | \$204.44 |
| 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, 3 thru 24 ton, annualized | 1.00 | 2.40 | \$176.92 | \$144.48 | \$0.00 | \$321.41 | \$382.45 | \$452.33 |
| Backflow prevention device, up to 4", annualized | 1.00 | 0.33 | \$13.40 | \$19.82 | \$0.00 | \$33.22 | \$40.50 | \$48.46 |
| Extinguishing system, wet pipe, annualized | 1.00 | 11.34 | \$68.24 | \$678.37 | \$0.00 | \$746.61 | \$956.95 | \$1,170.70 |
| Panelboard, 225 A and above, annualized | 1.00 | 0.44 | \$23.20 | \$29.01 | \$0.00 | \$52.21 | \$63.23 | \$75.41 |
| Motor control center, over 400 A, annualized | 1.00 | 0.39 | \$23.20 | \$25.90 | \$0.00 | \$49.10 | \$59.19 | \$70.44 |
| Hydraulic lift, annualized | 1.00 | 1.55 | \$653.22 | \$52.62 | \$0.00 | \$705.84 | \$786.95 | \$900.72 |
| | | | | | | \$4,923.60 | \$6,062.54 | \$7,286.02 |

FAC 2182 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHOP

Modeled Component List CostWorks Release 2021 Qtr 3

| | |
|---|-------------|
| B20 Exterior Enclosure | |
| Aluminum Siding, 2nd floor | 18.4 C.S.F. |
| Steel, Painted | 2.0 Ea. |
| Steel Single, Roll-Up | 1.0 Ea. |
| B30 Roofing | |
| Metal Steep Roofing | 69.35 Sq. |
| C10 Interior Construction | |
| Steel Painted Interior Doors | 10.0 Ea. |
| Solid Core Interior Doors | 2.0 Ea. |
| C30 Interior Finishes | |
| Drywall | 651.0 S.F. |
| D20 Plumbing | |
| Tankless Water Closet | 4.0 Ea. |
| Urinal | 2.0 Ea. |
| Lavatory, Vitreous China | 4.0 Ea. |
| Sink, Iron Enamel | 1.0 Ea. |
| Shower, Fiberglass | 4.0 Ea. |
| Drinking Fountain | 4.0 Ea. |
| Emergency Eye Wash | 1.0 Ea. |
| Water Heater, Electric, 120 Gallon | 1.0 Ea. |
| Drain: Roof, Scupper, Area | 3.0 Ea. |
| Compressed Air Systems, Compressors, 10 H.P. | 1.0 Ea. |
| D30 HVAC | |
| Boiler, Gas, 250 MBH | 1.0 Ea. |
| Metal Flue / Chimney, 6" diameter | 1.0 L.F. |
| Fan Coil, 1 ton | 1.0 Ea. |
| Fan Coil, DX Air Conditioner W/ Heat, 10 ton | 2.0 Ea. |
| Exhaust Fan, propeller exh., 4700 CFM | 2.0 Ea. |
| Exhaust Fan, propeller exh., 4700 CFM | 1.0 Ea. |
| Single Zone Air Conditioner, 25 ton | 2.0 Ea. |
| VAV Box | 2.0 Each |
| D40 Fire Protection | |
| Sprinkler System, Fire Supression, sprinkler head | 36.0 Ea. |
| Sprinkler System, Fire Supression , 3" backflow preventer | 1.0 Ea. |
| D50 Electrical | |
| Motor Starter, Up To 600 V | 3.0 Ea. |
| Load Center, 100 A, maintenance & inspection | 3.0 Ea. |
| Safety Switch, General Duty, 240 V, 2 pole | 1.0 Ea. |
| Smoke Detector | 10.0 Ea. |
| Heat Detector | 10.0 Ea. |
| Manual Pull Station | 5.0 Ea. |
| Fire Alarm Control Panel | 1.0 Ea. |
| Fire Alarm Bell | 3.0 Ea. |
| E10 Equipment | |
| Hydraulic Lift, annualized | 1.0 Each |

FAC 2182 INSTALLATION SUPPORT EQUIPMENT MAINTENANCE SHOP
Sustainment by Year
CostWorks Release 2021 Qtr 3

