

**FAC 7220 DINING FACILITY**

FY24 SUC: \$5.82 / SF  
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 7220 DINING FACILITY

SUC \$5.82

Release 2023 Qtr 4  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 40  
Average Size 12664.124519

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 |
|--|-----------|---------------|----------------|---------------|-----------------------|----------------------------|----------------------|--------------|---------------|
| Minor repairs to concrete floor unfinished                             | 15        | 120.00 S.F.   | \$4,576.06     | \$5,584.43    | 2.6667                | 2                          | 2                    | \$11,168.86  | \$11,168.86   |
| Repair 8" concrete block wall, 1st floor                               | 25        | 55.10 S.F.    | \$1,416.02     | \$1,733.93    | 1.6000                | 1                          | 1                    | \$1,733.93   | \$1,733.93    |
| Replace glass - 1st floor (1% of glass) - steel frame window           | 1         | 1.80 S.F.     | \$23.67        | \$27.79       | 40.0000               | 40                         | 40                   | \$1,111.72   | \$1,111.72    |
| Repair 3'-9" x 5'-5" steel frame window - 1st floor.                   | 20        | 16.00 Ea.     | \$5,182.52     | \$6,083.97    | 2.0000                | 2                          | 2                    | \$12,167.93  | \$12,167.93   |
| Refinish 3'-9" x 5'-5" steel frame window - 1st floor.                 | 5         | 16.00 Ea.     | \$1,395.37     | \$1,727.46    | 8.0000                | 8                          | 8                    | \$13,819.68  | \$13,819.68   |
| Replace glass - 1st floor. (1% of glass) - alum. window                | 1         | 4.80 S.F.     | \$63.12        | \$74.11       | 40.0000               | 40                         | 40                   | \$2,964.58   | \$2,964.58    |
| Repair 3' x 4' aluminum window - 1st floor                             | 20        | 22.00 Ea.     | \$6,246.34     | \$7,348.34    | 2.0000                | 2                          | 2                    | \$14,696.67  | \$14,696.67   |
| Repair aluminum storefront door  | 12        | 4.00 Ea.      | \$2,040.91     | \$2,438.74    | 3.3333                | 3                          | 3                    | \$7,316.22   | \$7,316.22    |
| Replace insulating glass - (3% of glass) aluminum storefront door      | 1         | 32.00 S.F.    | \$1,778.75     | \$2,080.11    | 40.0000               | 40                         | 40                   | \$83,204.55  | \$83,204.55   |
| Repair steel, painted, door  | 14        | 4.00 Ea.      | \$2,809.34     | \$3,336.77    | 2.8571                | 2                          | 2                    | \$6,673.54   | \$6,673.54    |
| Refinish 3'-0" x 7'-0" steel, painted, door                            | 4         | 4.00 Ea.      | \$184.22       | \$225.58      | 10.0000               | 10                         | 10                   | \$2,255.85   | \$2,255.85    |
| Debris removal, by hand and visual inspection, metal panel roofing     | 1         | 9.22 M.S.F.   | \$226.27       | \$275.98      | 40.0000               | 40                         | 40                   | \$11,039.23  | \$11,039.23   |
| Minor metal roof finish repairs, 2% of roof area, metal panel roofing  | 5         | 184.00 S.F.   | \$850.46       | \$1,010.70    | 8.0000                | 8                          | 8                    | \$8,085.64   | \$8,085.64    |
| Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing | 1         | 4.00 S.F.     | \$101.23       | \$120.99      | 40.0000               | 40                         | 40                   | \$4,839.41   | \$4,839.41    |
| Minor metal roof panel replacement, 2.5% of roof area                  | 20        | 230.00 S.F.   | \$2,961.94     | \$3,511.22    | 2.0000                | 2                          | 2                    | \$7,022.45   | \$7,022.45    |
| Total metal roof panel replacement                                     | 30        | 112.00 Sq.    | \$99,113.06    | \$117,497.20  | 1.3333                | 1                          | 1                    | \$117,497.20 | \$117,497.20  |
| Repair steel painted interior door                                     | 14        | 3.00 Ea.      | \$836.97       | \$977.05      | 2.8571                | 2                          | 2                    | \$1,954.09   | \$1,954.09    |
| Refinish 3'-0" x 7'-0" steel painted interior door                     | 4         | 3.00 Ea.      | \$172.95       | \$212.63      | 10.0000               | 10                         | 10                   | \$2,126.32   | \$2,126.32    |
| Repair 5/8" drywall - (2% of walls)                                    | 20        | 54.60 S.F.    | \$91.23        | \$111.49      | 2.0000                | 2                          | 2                    | \$222.99     | \$222.99      |
| Refinish drywall   | 4         | 2,730.00 S.F. | \$1,849.96     | \$2,272.67    | 10.0000               | 10                         | 10                   | \$22,726.67  | \$22,726.67   |
| Repair 4" x 4" thin set ceramic tile - (2% of walls)                   | 10        | 0.78 C.S.F.   | \$627.84       | \$760.23      | 4.0000                | 4                          | 4                    | \$3,040.92   | \$3,040.92    |
| Refinish concrete floor finished                                       | 25        | 13.30 C.S.F.  | \$5,540.48     | \$6,684.83    | 1.6000                | 1                          | 1                    | \$6,684.83   | \$6,684.83    |
| Replace vinyl sheet flooring   | 18        | 155.00 S.Y.   | \$13,425.14    | \$16,171.36   | 2.2222                | 2                          | 2                    | \$32,342.73  | \$32,342.73   |
| Ceramic tile floor repairs - (2% of floors)                            | 15        | 0.40 C.S.F.   | \$269.61       | \$336.18      | 2.6667                | 2                          | 2                    | \$672.36     | \$672.36      |
| Acoustic tile repairs - (2% of ceilings)                               | 9         | 1.21 C.S.F.   | \$1,117.78     | \$1,300.42    | 4.4444                | 4                          | 4                    | \$5,201.70   | \$5,201.70    |
| Replace acoustic tile ceiling, non fire-rated                          | 20        | 60.60 C.S.F.  | \$38,171.50    | \$44,784.28   | 2.0000                | 2                          | 2                    | \$89,568.56  | \$89,568.56   |
| Refinish acoustic tile ceiling and grid (occupied area)                | 5         | 6.06 C.S.F.   | \$157.92       | \$196.41      | 8.0000                | 8                          | 8                    | \$1,571.25   | \$1,571.25    |
| Replace flush valve diaphragm tankless water closet                    | 10        | 8.00 Ea.      | \$218.11       | \$270.85      | 4.0000                | 4                          | 4                    | \$1,083.39   | \$1,083.39    |

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|--|-----------|-------------|----------------|---------------|-----------------------|----------------------------|----------------------|-------------|---------------|
| Rebuild flush valve tankless water closet                      | 20        | 8.00 Ea.    | \$1,535.05     | \$1,850.15    | 2.0000                | 2                          | 2                    | \$3,700.30  | \$3,700.30    |
| Unplug clogged line tankless water closet                      | 5         | 8.00 Ea.    | \$1,839.43     | \$2,302.65    | 8.0000                | 8                          | 8                    | \$18,421.23 | \$18,421.23   |
| Replace tankless water closet                                  | 35        | 8.00 Ea.    | \$11,332.44    | \$13,106.57   | 1.1429                | 1                          | 1                    | \$13,106.57 | \$13,106.57   |
| Replace tankless flush valve                                   | 25        | 8.00 Ea.    | \$2,161.94     | \$2,537.74    | 1.6000                | 1                          | 1                    | \$2,537.74  | \$2,537.74    |
| Replace wax ring gasket for tankless water closet              | 5         | 8.00 Ea.    | \$1,193.32     | \$1,492.43    | 8.0000                | 8                          | 8                    | \$11,939.42 | \$11,939.42   |
| Replace flush valve diaphragm for a urinal                     | 7         | 6.00 Ea.    | \$163.58       | \$203.14      | 5.7143                | 5                          | 5                    | \$1,015.68  | \$1,015.68    |
| Rebuild flush valve for a urinal                               | 20        | 6.00 Ea.    | \$1,151.29     | \$1,387.61    | 2.0000                | 2                          | 2                    | \$2,775.23  | \$2,775.23    |
| Unplug line urinal   | 5         | 6.00 Ea.    | \$915.85       | \$1,146.49    | 8.0000                | 8                          | 8                    | \$9,171.91  | \$9,171.91    |
| Replace wall-hung urinal                                       | 35        | 6.00 Ea.    | \$6,525.12     | \$7,848.28    | 1.1429                | 1                          | 1                    | \$7,848.28  | \$7,848.28    |
| Replace washer in spud connection lavatory, vitreous china     | 7         | 8.00 Ea.    | \$138.57       | \$169.13      | 5.7143                | 5                          | 5                    | \$845.63    | \$845.63      |
| Replace washer in faucet lavatory, vitreous china              | 2         | 8.00 Ea.    | \$108.54       | \$135.34      | 20.0000               | 20                         | 20                   | \$2,706.75  | \$2,706.75    |
| Replace faucets lavatory, vitreous china                       | 10        | 8.00 Ea.    | \$1,563.78     | \$1,880.97    | 4.0000                | 4                          | 4                    | \$7,523.89  | \$7,523.89    |
| Clean out strainer and P trap lavatory, vitreous china         | 2         | 8.00 Ea.    | \$294.55       | \$368.73      | 20.0000               | 20                         | 20                   | \$7,374.51  | \$7,374.51    |
| Replace lavatory, vitreous china                               | 35        | 8.00 Ea.    | \$5,749.78     | \$6,907.25    | 1.1429                | 1                          | 1                    | \$6,907.25  | \$6,907.25    |
| Replace faucet washer sink, stainless steel                    | 2         | 5.00 Ea.    | \$67.25        | \$83.85       | 20.0000               | 20                         | 20                   | \$1,676.94  | \$1,676.94    |
| Clean trap sink, stainless steel                               | 3         | 5.00 Ea.    | \$45.03        | \$56.37       | 13.3333               | 13                         | 13                   | \$732.82    | \$732.82      |
| Replace faucets sink, stainless steel                          | 10        | 5.00 Ea.    | \$977.36       | \$1,175.61    | 4.0000                | 4                          | 4                    | \$4,702.43  | \$4,702.43    |
| Unstop sink, stainless steel                                   | 2         | 5.00 Ea.    | \$220.05       | \$275.47      | 20.0000               | 20                         | 20                   | \$5,509.38  | \$5,509.38    |
| Replace sink, stainless steel                                  | 40        | 5.00 Ea.    | \$6,059.37     | \$7,100.07    | 1.0000                | 1                          | 1                    | \$7,100.07  | \$7,100.07    |
| Replace faucet washer sink, service/utility                    | 2         | 1.00 Ea.    | \$13.45        | \$16.77       | 20.0000               | 20                         | 20                   | \$335.39    | \$335.39      |
| Clean trap   | 3         | 1.00 Ea.    | \$9.01         | \$11.27       | 13.3333               | 13                         | 13                   | \$146.56    | \$146.56      |
| Replace faucets sink, service/utility                          | 10        | 1.00 Ea.    | \$195.47       | \$235.12      | 4.0000                | 4                          | 4                    | \$940.49    | \$940.49      |
| Unstop sink  | 2         | 1.00 Ea.    | \$44.01        | \$55.09       | 20.0000               | 20                         | 20                   | \$1,101.88  | \$1,101.88    |
| Replace sink, P.E.C.I. service/utility                         | 35        | 1.00 Ea.    | \$1,674.37     | \$1,957.84    | 1.1429                | 1                          | 1                    | \$1,957.84  | \$1,957.84    |
| Check / minor repairs drinking fountain                        | 1         | 2.00 Ea.    | \$103.05       | \$129.00      | 40.0000               | 40                         | 40                   | \$5,160.01  | \$5,160.01    |
| Repair internal leaks drinking fountain                        | 4         | 2.00 Ea.    | \$95.54        | \$119.59      | 10.0000               | 10                         | 10                   | \$1,195.94  | \$1,195.94    |
| Correct water pressure drinking fountain                       | 2         | 0.00 Ea.    | \$0.00         | \$0.00        | 20.0000               | 20                         | 20                   | \$0.00      | \$0.00        |
| Replace refrigerant drinking fountain                          | 2         | 2.00 Ea.    | \$70.81        | \$82.86       | 20.0000               | 20                         | 20                   | \$1,657.19  | \$1,657.19    |
| Repair drain leak drinking fountain                            | 4         | 2.00 Ea.    | \$58.19        | \$70.38       | 10.0000               | 10                         | 8                    | \$703.79    | \$563.03      |
| Replace fountain drinking fountain                             | 10        | 2.00 Ea.    | \$3,241.63     | \$3,808.60    | 4.0000                | 4                          | 4                    | \$15,234.41 | \$15,234.41   |
| Replace pipe and fittings, copper 3/4"                         | 20        | 200.00 L.F. | \$4,999.43     | \$6,059.19    | 2.0000                | 2                          | 2                    | \$12,118.39 | \$12,118.39   |
| Replace pipe and fittings, copper 2"                           | 25        | 100.00 L.F. | \$5,242.74     | \$6,305.94    | 1.6000                | 1                          | 1                    | \$6,305.94  | \$6,305.94    |
| Remove old insulation & replace with new, pipe 3/4", wall 3/4" | 15        | 200.00 L.F. | \$2,521.38     | \$3,097.72    | 2.6667                | 2                          | 2                    | \$6,195.44  | \$6,195.44    |

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| Remove old insulation & replace with new, pipe 1-1/2", wall 3/4"     | 15        | 100.00 L.F. | \$1,497.01     | \$1,819.88    | 2.6667                | 2                          | 2                    | \$3,639.76   | \$3,639.76    |
| Overhaul water heater, gas / oil, 70 gallon                          | 5         | 2.00 Ea.    | \$345.73       | \$432.80      | 8.0000                | 8                          | 8                    | \$3,462.37   | \$3,462.37    |
| Clean & service water heater, gas / oil, 70 gallon                   | 1         | 2.00 Ea.    | \$412.20       | \$516.00      | 40.0000               | 40                         | 40                   | \$20,640.03  | \$20,640.03   |
| Replace water heater, gas / oil, 70 gallon                           | 12        | 2.00 Ea.    | \$6,428.64     | \$7,475.57    | 3.3333                | 3                          | 3                    | \$22,426.70  | \$22,426.70   |
| Insp/chk pump/mtr oper, lub, chk align circulation pump, CI 1-1/2 HP | 0.5       | 1.00 Ea.    | \$12.56        | \$15.72       | 80.0000               | 80                         | 80                   | \$1,257.75   | \$1,257.75    |
| Replace pump / motor assembly circulation pump, CI 1-1/2 HP          | 20        | 1.00 Ea.    | \$3,379.67     | \$3,903.00    | 2.0000                | 2                          | 2                    | \$7,806.00   | \$7,806.00    |
| Unclog main drain pipe & fittings, cast iron                         | 10        | 2.00 Ea.    | \$97.68        | \$122.28      | 4.0000                | 4                          | 4                    | \$489.13     | \$489.13      |
| Replace pipe & fittings, cast iron, 4"                               | 40        | 10.00 L.F.  | \$578.72       | \$703.19      | 1.0000                | 1                          | 1                    | \$703.19     | \$703.19      |
| Replace pipe, 4" pipe and fittings, PVC                              | 30        | 30.00 L.F.  | \$2,488.28     | \$3,071.32    | 1.3333                | 1                          | 1                    | \$3,071.32   | \$3,071.32    |
| General maintenance & repair drain: roof, scupper, area              | 1         | 4.00 Ea.    | \$156.72       | \$196.19      | 40.0000               | 40                         | 40                   | \$7,847.51   | \$7,847.51    |
| Replace drain: roof, scupper, area                                   | 40        | 4.00 Ea.    | \$4,521.49     | \$5,215.40    | 1.0000                | 1                          | 1                    | \$5,215.40   | \$5,215.40    |
| Repair boiler, gas, 250 MBH  | 7         | 1.00 Ea.    | \$2,758.88     | \$3,222.41    | 5.7143                | 5                          | 5                    | \$16,112.04  | \$16,112.04   |
| Replace boiler, gas, 250 MBH   | 30        | 1.00 Ea.    | \$9,616.21     | \$11,488.35   | 1.3333                | 1                          | 1                    | \$11,488.35  | \$11,488.35   |
| Replace unit ventilator, 750 CFM, heat/cool coils                    | 15        | 2.00 Ea.    | \$15,692.91    | \$18,224.51   | 2.6667                | 2                          | 2                    | \$36,449.01  | \$36,449.01   |
| Replace roof mounted exhaust fan, 8500 CFM exhaust fan               | 20        | 3.00 Ea.    | \$12,891.18    | \$14,954.87   | 2.0000                | 2                          | 2                    | \$29,909.75  | \$29,909.75   |
| Replace axial flow fan, 6400 CFM exhaust fan                         | 10        | 4.00 Ea.    | \$12,995.58    | \$15,204.84   | 4.0000                | 4                          | 4                    | \$60,819.37  | \$60,819.37   |
| Replace axial flow fan, 15,600 CFM exhaust fan                       | 10        | 1.00 Ea.    | \$4,382.92     | \$5,133.12    | 4.0000                | 4                          | 4                    | \$20,532.50  | \$20,532.50   |
| Repair circulator pump, 1 H.P.                                       | 5         | 2.00 Ea.    | \$207.40       | \$244.67      | 8.0000                | 8                          | 6                    | \$1,957.34   | \$1,468.01    |
| Replace circulator. pump, 1 H.P.                                     | 15        | 2.00 Ea.    | \$11,265.65    | \$12,926.56   | 2.6667                | 2                          | 2                    | \$25,853.13  | \$25,853.13   |
| Maintenance and repair standard suspended heater                     | 2         | 2.00 Ea.    | \$229.45       | \$270.74      | 20.0000               | 20                         | 20                   | \$5,414.76   | \$5,414.76    |
| Replace terminal reheat, 18" x 24" coil                              | 15        | 6.00 Ea.    | \$13,645.59    | \$15,693.75   | 2.6667                | 2                          | 2                    | \$31,387.51  | \$31,387.51   |
| Repair terminal reheat, 36" x 36" coil                               | 10        | 6.00 Ea.    | \$1,030.49     | \$1,290.00    | 4.0000                | 4                          | 4                    | \$5,160.01   | \$5,160.01    |
| Repair multi-zone rooftop unit, 15 ton                               | 10        | 2.00 Ea.    | \$72,348.07    | \$83,441.62   | 4.0000                | 4                          | 3                    | \$333,766.48 | \$250,324.86  |
| Replace multi-zone rooftop unit, 15 ton                              | 15        | 2.00 Ea.    | \$182,441.31   | \$210,133.17  | 2.6667                | 2                          | 2                    | \$420,266.34 | \$420,266.34  |
| Repair central station A.H.U., 16,000 CFM                            | 10        | 1.00 Ea.    | \$2,244.53     | \$2,591.25    | 4.0000                | 4                          | 3                    | \$10,365.00  | \$7,773.75    |
| Replace central station A.H.U., 16,000 CFM                           | 15        | 1.00 Ea.    | \$74,641.96    | \$85,855.33   | 2.6667                | 2                          | 2                    | \$171,710.66 | \$171,710.66  |
| Rebuild 4" diameter reduced pressure backflow preventer              | 10        | 1.00 Ea.    | \$921.17       | \$1,072.81    | 4.0000                | 4                          | 4                    | \$4,291.25   | \$4,291.25    |
| Inspect sprinkler system   | 1         | 1.00 Ea.    | \$36.17        | \$45.28       | 40.0000               | 40                         | 40                   | \$1,811.38   | \$1,811.38    |
| Replace sprinkler head   | 20        | 58.00 Ea.   | \$5,083.58     | \$6,272.81    | 2.0000                | 2                          | 2                    | \$12,545.62  | \$12,545.62   |
| Rebuild double check 3" backflow preventer sprinkler system          | 1         | 1.00 Ea.    | \$748.17       | \$896.73      | 40.0000               | 40                         | 40                   | \$35,869.16  | \$35,869.16   |
| Repair 15 KV primary transformer, dry                                | 15        | 1.00 Ea.    | \$235.84       | \$287.87      | 2.6667                | 2                          | 2                    | \$575.75     | \$575.75      |
| Maintenance and inspection primary transformer, dry                  | 0.5       | 1.00 Ea.    | \$42.34        | \$53.05       | 80.0000               | 80                         | 80                   | \$4,244.09   | \$4,244.09    |

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| Maintenance and inspection lighting panel, indoor                      | 3         | 1.00 Ea.  | \$42.34        | \$53.05       | 13.3333               | 13                         | 13                   | \$689.66       | \$689.66       |
| Repair failed breaker, molded case, 600 V, 3 pole                      | 10        | 2.00 Ea.  | \$727.15       | \$867.98      | 4.0000                | 4                          | 4                    | \$3,471.91     | \$3,471.91     |
| Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole | 0.33      | 5.00 Ea.  | \$170.64       | \$213.79      | 121.2121              | 121                        | 121                  | \$25,868.37    | \$25,868.37    |
| Maintenance and repair receptacles and plugs                           | 20        | 16.00 Ea. | \$704.69       | \$879.71      | 2.0000                | 2                          | 2                    | \$1,759.42     | \$1,759.42     |
| Replace receptacle/plug receptacles and plugs                          | 20        | 16.00 Ea. | \$1,197.29     | \$1,476.28    | 2.0000                | 2                          | 2                    | \$2,952.56     | \$2,952.56     |
| Maintenance and repair wiring devices, switches                        | 10        | 8.00 Ea.  | \$352.35       | \$439.85      | 4.0000                | 4                          | 4                    | \$1,759.42     | \$1,759.42     |
| Replace wiring devices, switches                                       | 15        | 8.00 Ea.  | \$533.45       | \$664.05      | 2.6667                | 2                          | 2                    | \$1,328.11     | \$1,328.11     |
| Replace fluorescent light fixture ballast, 80 W                        | 10        | 78.00 Ea. | \$8,159.28     | \$10,061.28   | 4.0000                | 4                          | 2                    | \$40,245.13    | \$20,122.57    |
| Replace lamps (2 lamps), 4', 34 W energy saver                         | 10        | 78.00 Ea. | \$2,065.88     | \$2,587.18    | 4.0000                | 4                          | 4                    | \$10,348.71    | \$10,348.71    |
| Replace fluorescent fixture, lay-in, recess mtd, 2' x 4', two 40 W     | 20        | 78.00 Ea. | \$19,314.68    | \$23,507.38   | 2.0000                | 2                          | 2                    | \$47,014.77    | \$47,014.77    |
| Replace high pressure sodium ballast, 250 W                            | 10        | 8.00 Ea.  | \$1,769.73     | \$2,092.02    | 4.0000                | 4                          | 2                    | \$8,368.06     | \$4,184.03     |
| Replace high pressure sodium fixture lamp, 250 W                       | 10        | 8.00 Ea.  | \$506.16       | \$612.06      | 4.0000                | 4                          | 4                    | \$2,448.23     | \$2,448.23     |
| Replace high pressure sodium fixture, 250 W                            | 20        | 4.00 Ea.  | \$4,578.18     | \$5,344.56    | 2.0000                | 2                          | 2                    | \$10,689.13    | \$10,689.13    |
| Repair smoke detector  | 10        | 12.00 Ea. | \$696.12       | \$861.99      | 4.0000                | 4                          | 3                    | \$3,447.96     | \$2,585.97     |
| Check operation smoke detector   | 1         | 12.00 Ea. | \$204.01       | \$255.60      | 40.0000               | 40                         | 40                   | \$10,223.82    | \$10,223.82    |
| Replace smoke detector   | 15        | 12.00 Ea. | \$3,630.63     | \$4,334.62    | 2.6667                | 2                          | 2                    | \$8,669.24     | \$8,669.24     |
| Repair heat detector   | 10        | 8.00 Ea.  | \$500.83       | \$616.42      | 4.0000                | 4                          | 4                    | \$2,465.67     | \$2,465.67     |
| Check operation heat detector  | 1         | 8.00 Ea.  | \$136.01       | \$170.40      | 40.0000               | 40                         | 40                   | \$6,815.88     | \$6,815.88     |
| Replace heat detector  | 15        | 8.00 Ea.  | \$1,416.85     | \$1,734.61    | 2.6667                | 2                          | 2                    | \$3,469.21     | \$3,469.21     |
| Check and repair manual pull station                                   | 10        | 6.00 Ea.  | \$539.30       | \$664.48      | 4.0000                | 4                          | 3                    | \$2,657.92     | \$1,993.44     |
| Replace manual pull station  | 15        | 6.00 Ea.  | \$1,252.55     | \$1,510.58    | 2.6667                | 2                          | 2                    | \$3,021.15     | \$3,021.15     |
| Minor repairs to annunciation panel                                    | 5         | 1.00 Ea.  | \$149.42       | \$182.60      | 8.0000                | 8                          | 8                    | \$1,460.76     | \$1,460.76     |
| Maintenance and inspection annunciation panel                          | 0.5       | 1.00 Ea.  | \$45.50        | \$57.01       | 80.0000               | 80                         | 80                   | \$4,560.81     | \$4,560.81     |
| Replace annunciation panel   | 15        | 1.00 Ea.  | \$1,125.25     | \$1,357.42    | 2.6667                | 2                          | 2                    | \$2,714.84     | \$2,714.84     |
| Replace fire alarm bell, 6"  | 20        | 4.00 Ea.  | \$722.42       | \$879.09      | 2.0000                | 2                          | 2                    | \$1,758.17     | \$1,758.17     |
| Replace lamp emergency lighting fixture                                | 2         | 4.00 Ea.  | \$217.97       | \$263.42      | 20.0000               | 20                         | 20                   | \$5,268.40     | \$5,268.40     |
| Replace emergency lighting fixture                                     | 20        | 4.00 Ea.  | \$2,299.22     | \$2,719.49    | 2.0000                | 2                          | 2                    | \$5,438.99     | \$5,438.99     |
| Maintenance and repair exit light                                      | 20        | 4.00 Ea.  | \$153.96       | \$190.68      | 2.0000                | 2                          | 2                    | \$381.36       | \$381.36       |
| Replace lamp exit light  | 5         | 4.00 Ea.  | \$65.39        | \$77.75       | 8.0000                | 8                          | 8                    | \$622.04       | \$622.04       |
| Replace lighting fixture exit light                                    | 20        | 4.00 Ea.  | \$704.26       | \$854.03      | 2.0000                | 2                          | 2                    | \$1,708.06     | \$1,708.06     |
| Replace commercial dishwasher, 10 to 12 racks per hour                 | 10        | 1.00 Ea.  | \$42,039.05    | \$47,877.55   | 4.0000                | 4                          | 4                    | \$191,510.20   | \$191,510.20   |
| Unstop disposal waste, residential                                     | 1         | 2.00 Ea.  | \$92.81        | \$116.18      | 40.0000               | 40                         | 40                   | \$4,647.16     | \$4,647.16     |
|  |           |           | \$791,251.61   | \$925,431.15  |                       |                            |                      | MR Subtotal    | \$2,263,820.29 |
|  |           |           |                |               |                       |                            |                      | MR Per Year    | \$56,514.95    |
|  |           |           |                |               |                       |                            |                      | PM Total       | \$17,144.27    |
|  |           |           |                |               |                       |                            |                      | Subtotal       | \$73,659.22    |
|  |           |           |                |               |                       |                            |                      | Total Per Unit | \$5.82         |

FAC 7220 DINING FACILITY

SUC \$5.82

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 40

Type PM

Average Size 12664.124519

| Description  | Qty   | Labor Hours | Bare Mat   | Bare Labor | Bare Equip | Bare Total  | Total In-House | Total Incl OP |
|--|-------|-------------|------------|------------|------------|-------------|----------------|---------------|
| Urinals, annualized  | 6.00  | 1.37        | \$39.77    | \$72.99    | \$0.00     | \$112.76    | \$138.63       | \$166.49      |
| Toilet (vacuum breaker type), annually                                 | 8.00  | 0.46        | \$35.38    | \$24.42    | \$0.00     | \$59.80     | \$70.66        | \$83.29       |
| Lavatories, annualized   | 8.00  | 2.78        | \$62.34    | \$174.40   | \$0.00     | \$236.74    | \$295.29       | \$356.96      |
| Drink fountain, annualized   | 2.00  | 1.24        | \$74.89    | \$66.27    | \$0.00     | \$141.16    | \$168.53       | \$199.65      |
| Water heater, gas, to 120 gal., annualized                             | 1.00  | 1.72        | \$102.21   | \$91.56    | \$0.00     | \$193.77    | \$231.46       | \$274.26      |
| Boiler, hot water, oil, gas, or comb. fired, 120 - 500 MBH, annualized | 2.00  | 31.76       | \$177.10   | \$2,005.60 | \$0.00     | \$2,182.70  | \$2,802.09     | \$3,430.34    |
| Condensing unit, air cooled, 26 to 100 tons, annually                  | 1.00  | 1.67        | \$137.63   | \$105.51   | \$0.00     | \$243.14    | \$288.56       | \$340.86      |
| Air handling unit, 3 thru 24 tons, annualized                          | 4.00  | 8.24        | \$639.58   | \$439.49   | \$0.00     | \$1,079.07  | \$1,274.88     | \$1,502.66    |
| Fan, axial, 5,000 to 10,000 CFM, annualized                            | 4.00  | 5.16        | \$127.51   | \$275.55   | \$0.00     | \$403.06    | \$498.48       | \$600.27      |
| Hood and blower, annualized  | 4.00  | 9.27        | \$202.40   | \$495.30   | \$0.00     | \$697.70    | \$866.52       | \$1,045.47    |
| Backflow prevention device, up to 4", annualized                       | 6.00  | 2.00        | \$84.10    | \$125.57   | \$0.00     | \$209.67    | \$255.75       | \$306.03      |
| Extinguishing system, wet pipe, annualized                             | 1.00  | 11.34       | \$49.59    | \$710.68   | \$0.00     | \$760.27    | \$978.43       | \$1,199.07    |
| Extinguishing system, CO2, annualized                                  | 2.00  | 18.94       | \$1,406.68 | \$1,011.52 | \$0.00     | \$2,418.20  | \$2,862.32     | \$3,376.78    |
| Panelboard, 225 A and above, annualized                                | 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, hardwired system, annualized                         | 20.00 | 5.00        | \$179.60   | \$315.49   | \$0.00     | \$495.09    | \$607.69       | \$729.28      |
| Deep fat fryer, conventional type, gas / electric, annualized          | 1.00  | 2.58        | \$22.33    | \$93.06    | \$0.00     | \$115.39    | \$145.55       | \$176.82      |
| Grill, gas / electric, annualized                                      | 1.00  | 3.28        | \$130.11   | \$118.39   | \$0.00     | \$248.50    | \$297.03       | \$352.06      |
| Oven, convection, gas / electric, annualized                           | 1.00  | 11.24       | \$50.49    | \$406.41   | \$0.00     | \$456.90    | \$583.87       | \$713.37      |
| Refrigerator freezer, walk-in box w/external condenser, annually       | 2.00  | 1.47        | \$384.52   | \$53.01    | \$0.00     | \$437.53    | \$491.88       | \$565.46      |
| Vacuum, annualized   | 1.00  | 1.23        | \$25.25    | \$44.47    | \$0.00     | \$69.72     | \$85.58        | \$102.71      |
|  |       |             |            |            |            | \$11,630.18 | \$14,282.65    | \$17,144.27   |



# FAC 7220 DINING FACILITY

## Modeled Component List

### CostWorks Release 2023 Qtr 4

|  |             |  |
|--|-------------|--|
| B30 Roofing  |             |  |
| Metal Steep Roofing  | 112.0 Sq.   |  |
| C30 Interior Finishes  |             |  |
| Concrete, Finished   | 13.3 C.S.F. |  |
| Vinyl Sheet  | 155.0 S.Y.  |  |
| Acoustic Tile, non fire-rated                                  | 60.6 C.S.F. |  |
| D20 Plumbing   |             |  |
| Tankless Water Closet  | 8.0 Ea.     |  |
| Urinal   | 6.0 Ea.     |  |
| Lavatory, Vitreous China                                       | 8.0 Ea.     |  |
| Sink, Stainless Steel  | 5.0 Ea.     |  |
| Service/Utility Sink   | 1.0 Ea.     |  |
| Drinking Fountain  | 2.0 Ea.     |  |
| Water Heater, Gas / Oil, 70 Gallon                             | 2.0 Ea.     |  |
| Circulation Pump, C.I. 1-1/2 HP                                | 1.0 Ea.     |  |
| Drain: Roof, Scupper, Area                                     | 4.0 Ea.     |  |
| D30 HVAC   |             |  |
| Boiler, Gas, 250 MBH   | 1.0 Ea.     |  |
| Unit Ventilator, 750 CFM                                       | 2.0 Ea.     |  |
| Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust        | 3.0 Ea.     |  |
| Exhaust Fan, axial flow, 6400 CFM                              | 4.0 Ea.     |  |
| Exhaust Fan, axial flow, 15,600 CFM                            | 1.0 Ea.     |  |
| Circulator Pump, 1 H.P.  | 2.0 Ea.     |  |
| Terminal Reheat Coil, 18" x 24"                                | 6.0 Ea.     |  |
| Central Station Air Conditioning Air Handling Unit, 16,000 CFM | 1.0 Ea.     |  |
| D40 Fire Protection  |             |  |
| Backflow Preventer   | 1.0 Ea.     |  |
| Sprinkler System, Fire Suppression, sprinkler head             | 58.0 Ea.    |  |
| Sprinkler System, Fire Suppression , 3" backflow preventer     | 1.0 Ea.     |  |
| Extinguishing system, CO2, annualized                          | 2.0 Each    |  |
| D50 Electrical   |             |  |
| Load Center, 100 A, maintenance & inspection                   | 1.0 Ea.     |  |
| Fluorescent Lighting Fixture                                   | 78.0 Ea.    |  |
| H.P. Sodium Fixture, 250 W                                     | 4.0 Ea.     |  |
| Smoke Detector   | 12.0 Ea.    |  |
| Heat Detector  | 8.0 Ea.     |  |
| Manual Pull Station  | 6.0 Ea.     |  |
| Annunciation Panel   | 1.0 Ea.     |  |
| Fire Alarm Bell  | 4.0 Ea.     |  |
| Emergency Lighting Fixture                                     | 4.0 Ea.     |  |
| Exit Light   | 4.0 Ea.     |  |
| E10 Equipment  |             |  |
| Dishwasher   | 1.0 Ea.     |  |



FAC 7220 DINING FACILITY  
Sustainment by Year  
CostWorks Release 2023 Qtr 4

