

**FAC 7321 BREAD-PASTRY KITCHEN**

FY22 SUC: \$4.72 / SF  
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3  
component prices

FAC 7321 BREAD-PASTRY KITCHEN

Release 2021 Qtr 3  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 45  
Average Size 23105.0

SUC \$4.72

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 concrete stairs	30	250.00 S.F.	\$8,251.09	\$9,541.42	1.5000	1	1	\$9,541.42	\$9,541.42
Replace concrete stairs	75	250.00 S.F.	\$21,735.38	\$26,700.96	0.6000	0	0	\$0.00	\$0.00
Repair 8" concrete block wall, 1st floor	25	1,573.04 S.F.	\$38,090.90	\$46,598.55	1.8000	1	1	\$46,598.55	\$46,598.55
Replace 8" concrete block wall, 1st floor	60	15.73 C.S.F.	\$18,653.97	\$22,543.68	0.7500	0	0	\$0.00	\$0.00
Repair clay brick wall, 1st floor	25	5,771.85 S.F.	\$248,054.57	\$304,433.14	1.8000	1	1	\$304,433.14	\$304,433.14
Replace glass - 1st floor (1% of glass) - steel frame window	1	18.00 S.F.	\$217.04	\$255.09	45.0000	45	45	\$11,479.00	\$11,479.00
Repair 3'-9" x 5'-5" steel frame window - 1st floor.	20	91.00 Ea.	\$27,145.63	\$31,888.05	2.2500	2	2	\$63,776.09	\$63,776.09
Refinish 3'-9" x 5'-5" steel frame window - 1st floor.	5	91.00 Ea.	\$7,287.54	\$9,040.55	9.0000	9	9	\$81,364.98	\$81,364.98
Replace 3'-9" x 5'-5" steel frame window - 1st floor.	45	91.00 Ea.	\$150,774.10	\$173,607.14	1.0000	1	1	\$173,607.14	\$173,607.14
Finish new 3'-9" x 5'-5" steel frame window - 1st floor.	45	91.00 Ea.	\$6,322.91	\$7,841.02	1.0000	1	1	\$7,841.02	\$7,841.02
Replace glass - 1st floor. (1% of glass) - alum. window	1	8.00 S.F.	\$96.46	\$113.37	45.0000	45	45	\$5,101.78	\$5,101.78
Repair 3' x 4' aluminum window - 1st floor	20	68.00 Ea.	\$17,809.02	\$20,964.49	2.2500	2	2	\$41,928.99	\$41,928.99
Replace 3' x 4' aluminum window - 1st floor	50	68.00 Ea.	\$55,405.56	\$64,581.25	0.9000	0	0	\$0.00	\$0.00
Repair aluminum storefront door	12	1.00 Ea.	\$463.42	\$554.51	3.7500	3	3	\$1,663.54	\$1,663.54
Replace 3'-0" x 7'-0" aluminum storefront doors	50	1.00 Ea.	\$2,045.77	\$2,419.10	0.9000	0	0	\$0.00	\$0.00
Repair steel, painted, door	14	3.00 Ea.	\$1,875.22	\$2,232.02	3.2143	3	3	\$6,696.05	\$6,696.05
Refinish 3'-0" x 7'-0" steel, painted, door	4	3.00 Ea.	\$124.20	\$152.60	11.2500	11	11	\$1,678.59	\$1,678.59
Replace 3'-0" x 7'-0" steel, painted, door	45	3.00 Ea.	\$2,115.19	\$2,459.19	1.0000	1	1	\$2,459.19	\$2,459.19
Repair 12' x 12' steel roll-up door	10	1.00 Ea.	\$675.90	\$802.22	4.5000	4	4	\$3,208.87	\$3,208.87
Refinish 12' x 12' steel roll-up door	5	1.00 Ea.	\$203.45	\$249.19	9.0000	9	9	\$2,242.70	\$2,242.70
Replace 12' x 12' steel roll-up door	35	1.00 Ea.	\$2,703.58	\$3,208.87	1.2857	1	1	\$3,208.87	\$3,208.87
Debris removal, by hand and visual inspection, metal panel roofing	1	23.10 M.S.F.	\$526.33	\$641.96	45.0000	45	45	\$28,888.21	\$28,888.21
Minor metal roof finish repairs, 2% of roof area, metal panel roofing	5	462.01 S.F.	\$1,613.85	\$1,936.28	9.0000	9	9	\$17,426.48	\$17,426.48
Metal roof flashing replacement, 2 SF/sq repaired, metal panel roofing	1	8.80 S.F.	\$161.04	\$195.12	45.0000	45	45	\$8,780.53	\$8,780.53
Minor metal roof panel replacement, 2.5% of roof area	20	577.51 S.F.	\$6,599.62	\$7,838.08	2.2500	2	2	\$15,676.16	\$15,676.16
Total metal roof panel replacement	30	231.01 Sq.	\$195,233.94	\$231,240.76	1.5000	1	1	\$231,240.76	\$231,240.76
Repair 8" concrete block wall - (2% of walls) painted	25	1.70 C.S.F.	\$1,852.41	\$2,224.20	1.8000	1	1	\$2,224.20	\$2,224.20

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Refinish concrete block wall painted	4	86.00 C.S.F.	\$8,679.01	\$10,568.38	11.2500	11	11	\$116,252.23	\$116,252.23
Replace 8" concrete block wall painted	75	86.00 C.S.F.	\$99,628.01	\$119,850.73	0.6000	0	0	\$0.00	\$0.00
Repair steel painted interior door	14	4.00 Ea.	\$1,173.81	\$1,366.26	3.2143	3	3	\$4,098.77	\$4,098.77
Refinish 3'-0" x 7'-0" steel painted interior door	4	4.00 Ea.	\$210.34	\$259.15	11.2500	11	11	\$2,850.60	\$2,850.60
Replace 3'-0" x 7'-0" steel painted interior door	60	4.00 Ea.	\$4,872.14	\$5,648.33	0.7500	0	0	\$0.00	\$0.00
Repair solid core wood door, interior	11	7.00 Ea.	\$2,054.17	\$2,390.95	4.0909	4	4	\$9,563.79	\$9,563.79
Refinish 3'-0" x 7'-0" solid core wood door, interior	4	7.00 Ea.	\$303.55	\$372.75	11.2500	11	10	\$4,100.22	\$3,727.48
Replace 3'-0" x 7'-0" solid core wood door, interior	40	7.00 Ea.	\$3,425.99	\$3,960.67	1.1250	1	1	\$3,960.67	\$3,960.67
Refinish concrete floor finished	25	124.10 C.S.F.	\$52,348.77	\$62,879.02	1.8000	1	1	\$62,879.02	\$62,879.02
Replace vinyl tile flooring	18	60.70 S.Y.	\$2,998.79	\$3,682.67	2.5000	2	2	\$7,365.34	\$7,365.34
Repair gypsum board ceiling - (2% of ceilings)	20	0.02 C.S.F.	\$7.97	\$9.78	2.2500	2	2	\$19.56	\$19.56
Replace gypsum board ceiling, up to 12' high	40	1.43 C.S.F.	\$530.97	\$652.03	1.1250	1	1	\$652.03	\$652.03
Acoustic tile repairs - (2% of ceilings)	9	0.33 C.S.F.	\$299.55	\$348.13	5.0000	5	5	\$1,740.67	\$1,740.67
Replace acoustic tile ceiling, fire-rated	20	16.40 C.S.F.	\$8,597.35	\$10,133.33	2.2500	2	2	\$20,266.66	\$20,266.66
Replace flush valve diaphragm tankless water closet	10	9.00 Ea.	\$235.98	\$292.82	4.5000	4	4	\$1,171.29	\$1,171.29
Rebuild flush valve tankless water closet	20	9.00 Ea.	\$1,623.90	\$1,957.11	2.2500	2	2	\$3,914.23	\$3,914.23
Unplug clogged line tankless water closet	5	9.00 Ea.	\$1,965.56	\$2,458.14	9.0000	9	9	\$22,123.27	\$22,123.27
Replace tankless water closet	35	9.00 Ea.	\$11,575.99	\$13,396.46	1.2857	1	1	\$13,396.46	\$13,396.46
Replace tankless flush valve	25	9.00 Ea.	\$2,269.94	\$2,664.99	1.8000	1	1	\$2,664.99	\$2,664.99
Replace wax ring gasket for tankless water closet	5	9.00 Ea.	\$1,273.67	\$1,591.44	9.0000	9	9	\$14,322.94	\$14,322.94
Replace flush valve diaphragm for a urinal	7	4.00 Ea.	\$104.88	\$130.14	6.4286	6	6	\$780.86	\$780.86
Rebuild flush valve for a urinal	20	4.00 Ea.	\$721.74	\$869.83	2.2500	2	2	\$1,739.66	\$1,739.66
Unplug line urinal	5	4.00 Ea.	\$580.29	\$725.71	9.0000	9	9	\$6,531.41	\$6,531.41
Replace wall-hung urinal	35	4.00 Ea.	\$3,875.45	\$4,676.42	1.2857	1	1	\$4,676.42	\$4,676.42
Replace washer in spud connection lavatory, vitreous china	7	16.00 Ea.	\$263.40	\$321.28	6.4286	6	6	\$1,927.68	\$1,927.68
Replace washer in faucet lavatory, vitreous china	2	16.00 Ea.	\$206.16	\$256.83	22.5000	22	22	\$5,650.24	\$5,650.24
Replace faucets lavatory, vitreous china	10	16.00 Ea.	\$2,907.61	\$3,500.09	4.5000	4	4	\$14,000.35	\$14,000.35
Clean out strainer and P trap lavatory, vitreous china	2	16.00 Ea.	\$557.91	\$697.73	22.5000	22	22	\$15,349.99	\$15,349.99
Replace lavatory, vitreous china	35	16.00 Ea.	\$10,761.19	\$12,931.54	1.2857	1	1	\$12,931.54	\$12,931.54
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$25.55	\$31.83	22.5000	22	22	\$700.30	\$700.30
Clean trap sink, iron enamel	3	2.00 Ea.	\$17.14	\$21.44	15.0000	15	15	\$321.56	\$321.56
Replace faucets sink, iron enamel	10	2.00 Ea.	\$363.45	\$437.51	4.5000	4	4	\$1,750.04	\$1,750.04
Unstop sink, iron enamel	2	2.00 Ea.	\$83.64	\$104.60	22.5000	22	22	\$2,301.30	\$2,301.30
Replace sink, P.E.C.I. sink, iron enamel kitchen	35	2.00 Ea.	\$1,273.40	\$1,515.02	1.2857	1	1	\$1,515.02	\$1,515.02

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Replace faucet washer sink, stainless steel	2	4.00 Ea.	\$51.11	\$63.66	22.5000	22	22	\$1,400.61	\$1,400.61
Clean trap sink, stainless steel	3	4.00 Ea.	\$34.28	\$42.87	15.0000	15	15	\$643.11	\$643.11
Replace faucets sink, stainless steel	10	4.00 Ea.	\$726.90	\$875.02	4.5000	4	4	\$3,500.09	\$3,500.09
Unstop sink, stainless steel	2	4.00 Ea.	\$167.29	\$209.21	22.5000	22	22	\$4,602.60	\$4,602.60
Replace sink, stainless steel	40	4.00 Ea.	\$4,503.79	\$5,279.28	1.1250	1	1	\$5,279.28	\$5,279.28
Check / minor repairs drinking fountain	1	3.00 Ea.	\$146.65	\$183.40	45.0000	45	45	\$8,252.90	\$8,252.90
Repair internal leaks drinking fountain	4	3.00 Ea.	\$135.24	\$169.13	11.2500	11	11	\$1,860.47	\$1,860.47
Correct water pressure drinking fountain	2	3.00 Ea.	\$125.46	\$156.91	22.5000	22	22	\$3,451.95	\$3,451.95
Replace refrigerant drinking fountain	2	3.00 Ea.	\$98.05	\$114.81	22.5000	22	22	\$2,525.77	\$2,525.77
Repair drain leak drinking fountain	4	3.00 Ea.	\$101.75	\$121.60	11.2500	11	9	\$1,337.64	\$1,094.43
Replace fountain drinking fountain	10	3.00 Ea.	\$3,843.47	\$4,543.68	4.5000	4	4	\$18,174.71	\$18,174.71
Minor repairs, adjustments water heater, gas / oil, 1150 GPH	2	2.00 Ea.	\$196.62	\$245.89	22.5000	22	20	\$5,409.55	\$4,917.78
Clean & service water heater, gas / oil, 1150 GPH	2	2.00 Ea.	\$1,173.17	\$1,467.18	22.5000	22	22	\$32,278.01	\$32,278.01
Replace water heater, gas / oil, 1150 GPH	20	2.00 Ea.	\$83,050.93	\$95,555.02	2.2500	2	2	\$191,110.04	\$191,110.04
Replace 1000 gallon solar storage tank	20	1.00 Ea.	\$8,195.08	\$9,486.27	2.2500	2	2	\$18,972.54	\$18,972.54
Unclog floor drain, PVC	20	1.00 Ea.	\$47.80	\$59.77	2.2500	2	2	\$119.55	\$119.55
General maintenance & repair drain: roof, scupper, area	1	4.00 Ea.	\$147.95	\$185.03	45.0000	45	45	\$8,326.26	\$8,326.26
Replace drain: roof, scupper, area	40	4.00 Ea.	\$3,147.73	\$3,649.44	1.1250	1	1	\$3,649.44	\$3,649.44
Repair boiler, gas, 2000 MBH	7	1.00 Ea.	\$5,785.82	\$6,733.75	6.4286	6	6	\$40,402.47	\$40,402.47
Replace boiler, gas, 2000 MBH	30	1.00 Ea.	\$39,838.14	\$46,620.21	1.5000	1	1	\$46,620.21	\$46,620.21
Repair circulator pump, 1/12 - 3/4 H.P.	5	2.00 Ea.	\$196.27	\$231.46	9.0000	9	6	\$2,083.16	\$1,388.78
Replace circulator pump, 1/12 - 3/4 H.P.	15	2.00 Ea.	\$7,644.61	\$8,804.46	3.0000	3	3	\$26,413.37	\$26,413.37
Repair circulator pump, 1 H.P.	5	1.00 Ea.	\$98.36	\$116.02	9.0000	9	6	\$1,044.15	\$696.10
Replace circulator. pump, 1 H.P.	15	1.00 Ea.	\$5,768.48	\$6,613.79	3.0000	3	3	\$19,841.37	\$19,841.37
Repair terminal reheat, 36" x 36" coil	10	1.00 Ea.	\$162.94	\$203.78	4.5000	4	4	\$815.10	\$815.10
Replace terminal reheat, 36" x 36" coil	15	1.00 Ea.	\$3,442.47	\$4,000.25	3.0000	3	3	\$12,000.76	\$12,000.76
Repair single zone rooftop unit, 100 ton	10	1.00 Ea.	\$78,553.83	\$91,950.51	4.5000	4	4	\$367,802.05	\$367,802.05
Replace single zone rooftop unit, 100 ton	15	1.00 Ea.	\$180,373.67	\$209,822.43	3.0000	3	3	\$629,467.28	\$629,467.28
Repair central station A.H.U., 5400 CFM	10	1.00 Ea.	\$827.08	\$970.82	4.5000	4	3	\$3,883.28	\$2,912.46
Replace central station A.H.U., 5400 CFM	15	1.00 Ea.	\$23,424.06	\$27,083.63	3.0000	3	3	\$81,250.90	\$81,250.90
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	45.0000	45	45	\$1,931.79	\$1,931.79
Replace sprinkler head	20	146.00 Ea.	\$12,486.33	\$15,357.67	2.2500	2	2	\$30,715.34	\$30,715.34
Replace fire pump / electric motor assembly 100 H.P.	25	2.00 Ea.	\$88,278.17	\$101,820.68	1.8000	1	1	\$101,820.68	\$101,820.68
Maintenance and repair motor starter, up to 600 V	5	6.00 Ea.	\$1,677.83	\$2,025.59	9.0000	9	9	\$18,230.29	\$18,230.29

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Maintenance and inspection motor starter, up to 600 V	0.5	6.00 Ea.	\$323.88	\$405.78	90.0000	90	90	\$36,520.24	\$36,520.24
Replace starter motor starter, up to 600 V	18	6.00 Ea.	\$4,831.87	\$5,748.45	2.5000	2	2	\$11,496.89	\$11,496.89
Maintenance and inspection lighting panel, indoor	3	3.30 Ea.	\$134.13	\$168.05	15.0000	15	15	\$2,520.68	\$2,520.68
Replace fluorescent light fixture ballast, 80 W	10	440.01 Ea.	\$54,855.54	\$66,546.11	4.5000	4	4	\$266,184.45	\$266,184.45
Replace lamps (2 lamps), 4', 34 W energy saver	10	440.01 Ea.	\$11,094.46	\$13,895.09	4.5000	4	4	\$55,580.37	\$55,580.37
Repair smoke detector	10	26.00 Ea.	\$1,466.08	\$1,812.57	4.5000	4	3	\$7,250.26	\$5,437.70
Check operation smoke detector	1	26.00 Ea.	\$421.05	\$527.51	45.0000	45	45	\$23,738.16	\$23,738.16
Replace smoke detector	15	26.00 Ea.	\$7,390.17	\$8,826.01	3.0000	3	3	\$26,478.03	\$26,478.03
Repair heat detector	10	26.00 Ea.	\$1,595.82	\$1,960.00	4.5000	4	4	\$7,839.99	\$7,839.99
Check operation heat detector	1	26.00 Ea.	\$421.05	\$527.51	45.0000	45	45	\$23,738.16	\$23,738.16
Replace heat detector	15	26.00 Ea.	\$4,445.07	\$5,435.06	3.0000	3	3	\$16,305.18	\$16,305.18
Check and repair manual pull station	10	6.00 Ea.	\$526.18	\$646.98	4.5000	4	3	\$2,587.93	\$1,940.95
Replace manual pull station	15	6.00 Ea.	\$1,220.81	\$1,469.65	3.0000	3	3	\$4,408.94	\$4,408.94
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	9.0000	9	9	\$1,640.47	\$1,640.47
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	90.0000	90	90	\$4,869.37	\$4,869.37
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.0000	3	3	\$7,175.76	\$7,175.76
Minor repairs to annunciation panel	5	1.00 Ea.	\$149.71	\$182.27	9.0000	9	9	\$1,640.47	\$1,640.47
Maintenance and inspection annunciation panel	0.5	1.00 Ea.	\$43.18	\$54.10	90.0000	90	90	\$4,869.37	\$4,869.37
Replace annunciation panel	15	1.00 Ea.	\$1,126.52	\$1,354.55	3.0000	3	3	\$4,063.66	\$4,063.66
Replace fire alarm bell, 6"	20	4.00 Ea.	\$779.85	\$941.10	2.2500	2	2	\$1,882.20	\$1,882.20
Replace EMS, Three Phase, 5 Meters	15	2.00 Ea.	\$31,604.92	\$36,799.58	3.0000	3	3	\$110,398.74	\$110,398.74
Replace EMS, Mech, BTU, 3 Meters, 3 Duct Sensors, 3 Space Sensors	20	1.00 Ea.	\$17,137.72	\$20,030.68	2.2500	2	2	\$40,061.35	\$40,061.35
Maintenance and repair electrical service ground	25	1.00 M.L.F.	\$87.89	\$109.79	1.8000	1	1	\$109.79	\$109.79
Replace electrical service ground	50	1.00 M.L.F.	\$3,767.30	\$4,634.72	0.9000	0	0	\$0.00	\$0.00
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	45.0000	45	45	\$5,392.19	\$5,392.19
Replace lightning protection general wiring system	25	1.00 M.L.F.	\$11,009.12	\$13,095.99	1.8000	1	1	\$13,095.99	\$13,095.99
Maintenance and repair lightning ground rod	1	8.00 Ea.	\$703.11	\$878.30	45.0000	45	44	\$39,523.38	\$38,645.08
Replace lightning ground rod	25	8.00 Ea.	\$1,808.72	\$2,242.32	1.8000	1	1	\$2,242.32	\$2,242.32
Replace lamp emergency lighting fixture	2	40.00 Ea.	\$2,187.58	\$2,635.03	22.5000	22	22	\$57,970.58	\$57,970.58
Replace emergency lighting fixture	20	40.00 Ea.	\$24,094.72	\$28,390.46	2.2500	2	2	\$56,780.92	\$56,780.92
Maintenance and repair exit light	20	40.00 Ea.	\$1,488.06	\$1,840.13	2.2500	2	2	\$3,680.25	\$3,680.25
Replace lamp exit light	5	40.00 Ea.	\$673.86	\$798.54	9.0000	9	9	\$7,186.85	\$7,186.85
Replace lighting fixture exit light	20	40.00 Ea.	\$7,641.39	\$9,190.43	2.2500	2	2	\$18,380.86	\$18,380.86
			\$1,791,613.81	\$2,123,666.97				MR Subtotal	\$3,986,957.09

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								MR Per Year	\$88,449.41
								PM Total	\$20,674.73
								Subtotal	\$109,124.14
								Total Per Unit	\$4.72

FAC 7321 BREAD-PASTRY KITCHEN

SUC \$4.72

Release 2021 Qtr 3

UM SF

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 23105.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	4.00	1.04	\$58.37	\$43.00	\$0.00	\$101.37	\$120.10	\$141.76
Door, overhead, manual, up to 24' high x 25' wide, annualized	1.00	2.20	\$11.88	\$90.84	\$0.00	\$102.72	\$131.16	\$160.19
Fire doors, swinging, annualized	4.00	1.57	\$57.28	\$58.23	\$0.00	\$115.52	\$138.71	\$164.77
Urinals, annualized	4.00	0.91	\$25.27	\$45.81	\$0.00	\$71.09	\$87.36	\$104.89
Toilet (vacuum breaker type), annualized	9.00	1.59	\$75.98	\$80.08	\$0.00	\$156.06	\$187.68	\$223.10
Lavatories, annualized	9.00	3.13	\$53.68	\$186.33	\$0.00	\$240.02	\$301.28	\$365.24
Drink fountain, annualized	2.00	1.24	\$41.45	\$62.55	\$0.00	\$104.00	\$126.91	\$151.90
Water heater, gas, to 120 gal., annualized	2.00	3.44	\$117.28	\$173.56	\$0.00	\$290.83	\$354.63	\$424.29
Boiler, hot water, oil, gas, or comb. fired, over 1000 MBH, annualized	1.00	19.70	\$77.34	\$1,189.35	\$0.00	\$1,266.69	\$1,631.23	\$1,999.64
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
Hood and blower, annualized	4.00	9.27	\$216.35	\$465.17	\$0.00	\$681.52	\$842.71	\$1,014.71
Controls, central system, electro/pneumatic, annually	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
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
Fire pump, electric motor driven, annualized	2.00	95.50	\$106.15	\$5,682.45	\$0.00	\$5,788.60	\$7,503.96	\$9,224.61
Extinguishing system, CO2, annualized	1.00	9.47	\$616.71	\$475.74	\$0.00	\$1,092.45	\$1,296.84	\$1,532.07
Panelboard, 225 A and above, annualized	3.00	1.32	\$69.59	\$87.02	\$0.00	\$156.62	\$189.68	\$226.23
Light, emergency, hardwired system, annualized	40.00	10.00	\$309.30	\$590.52	\$0.00	\$899.82	\$1,107.91	\$1,331.46
						\$13,464.18	\$17,007.46	\$20,674.73





# FAC 7321 BREAD-PASTRY KITCHEN

## Modeled Component List

### CostWorks Release 2021 Qtr 3

B10 Superstructure		
Concrete Stairs	250.0 S.F.	
B20 Exterior Enclosure		
Concrete Block, 1st floor	15.730408493620263 C.S.F.	
Steel Frame, Operating, 1st floor	91.0 Ea.	
Aluminum Window, Operating, 1st floor	68.0 Ea.	
Glazed Aluminum	1.0 Ea.	
Steel, Painted	3.0 Ea.	
Steel Single, Roll-Up	1.0 Ea.	
B30 Roofing		
Metal Steep Roofing	231.00599885736048 Sq.	
C10 Interior Construction		
Concrete Block, Painted	86.0 C.S.F.	
Steel Painted Interior Doors	4.0 Ea.	
Solid Core Interior Doors	7.0 Ea.	
Fire Doors, Swinging, annualized	4.0 Each	
C30 Interior Finishes		
Concrete, Finished	124.1 C.S.F.	
Vinyl	60.7 S.Y.	
Gypsum Wall Board	1.4300371357836603 C.S.F.	
Acoustic Tile, fire-rated	16.4 C.S.F.	
D20 Plumbing		
Tankless Water Closet	9.0 Ea.	
Urinal	4.0 Ea.	
Lavatory, Vitreous China	16.0 Ea.	
Sink, Iron Enamel	2.0 Ea.	
Sink, Stainless Steel	4.0 Ea.	
Drinking Fountain	3.0 Ea.	
Water Heater, Gas / Oil, 1150 GPH	2.0 Ea.	
Solar Storage Tank, 1000 Gallon	1.0 Ea.	
Drain: Roof, Scupper, Area	4.0 Ea.	
D30 HVAC		
Boiler, Gas, 2000 MBH	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, 100 ton	1.0 Ea.	
Central Station Air Conditioning Air Handling Unit, 5400 CFM	1.0 Ea.	
D40 Fire Protection		
Sprinkler System, Fire Suppression, sprinkler head	146.0 Ea.	
Fire Pump Electric Motor	2.0 Ea.	
Fire Pump, Electric, annualized	2.0 Each	
Extinguishing system, CO2, annualized	1.0 Each	
D50 Electrical		
Motor Starter, Up To 600 V	6.0 Ea.	
Load Center, 100 A, maintenance & inspection	3.3000856979622926 Ea.	
Smoke Detector	26.0 Ea.	
Heat Detector	26.0 Ea.	
Manual Pull Station	6.0 Ea.	
Fire Alarm Control Panel	1.0 Ea.	
Annunciation Panel	1.0 Ea.	

Fire Alarm Bell	4.0 Ea.
Electrical Service Ground	1.0 M.L.F.
Lightning Protection System	1.0 M.L.F.
Lightning Ground Rod	8.0 Ea.
Emergency Lighting Fixture	40.0 Ea.
Exit Light	40.0 Ea.

FAC 7321 BREAD-PASTRY KITCHEN  
Sustainment by Year  
CostWorks Release 2021 Qtr 3

