

**FAC 1715 PHYSICAL EDUCATION BUILDING**

FY24 SUC:	\$2.96 / SF
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 1715 PHYSICAL EDUCATION BUILDING

SUC \$2.96

Release 2023 Qtr 4  
Zip Code Prefix 222  
Type MR

UM SF  
Design Life 45  
Average Size 71228.0

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
Replace flush valve diaphragm tankless water closet	10	30.00 Ea.	\$817.92	\$1,015.68	4.5000	4	4	\$4,062.73	\$4,062.73
Rebuild flush valve tankless water closet	20	30.00 Ea.	\$5,756.43	\$6,938.07	2.2500	2	2	\$13,876.14	\$13,876.14
Unplug clogged line tankless water closet	5	30.00 Ea.	\$6,897.87	\$8,634.95	9.0000	9	9	\$77,714.55	\$77,714.55
Replace tankless flush valve	25	30.00 Ea.	\$8,107.28	\$9,516.53	1.8000	1	1	\$9,516.53	\$9,516.53
Replace flush valve diaphragm for a urinal	7	15.00 Ea.	\$408.96	\$507.84	6.4286	6	6	\$3,047.05	\$3,047.05
Rebuild flush valve for a urinal	20	15.00 Ea.	\$2,878.22	\$3,469.03	2.2500	2	2	\$6,938.07	\$6,938.07
Unplug line urinal	5	15.00 Ea.	\$2,289.63	\$2,866.22	9.0000	9	9	\$25,796.01	\$25,796.01
Replace washer in spud connection lavatory, vitreous china	7	30.00 Ea.	\$519.64	\$634.22	6.4286	6	6	\$3,805.35	\$3,805.35
Replace washer in faucet lavatory, vitreous china	2	30.00 Ea.	\$407.02	\$507.52	22.5000	22	22	\$11,165.35	\$11,165.35
Replace faucets lavatory, vitreous china	10	30.00 Ea.	\$5,864.16	\$7,053.64	4.5000	4	4	\$28,214.58	\$28,214.58
Clean out strainer and P trap lavatory, vitreous china	2	30.00 Ea.	\$1,104.56	\$1,382.72	22.5000	22	22	\$30,419.86	\$30,419.86
Replace faucet washer sink, iron enamel	2	2.00 Ea.	\$26.90	\$33.54	22.5000	22	22	\$737.85	\$737.85
Replace gypsum board ceiling, up to 12' high	40	47.70 C.S.F.	\$18,798.98	\$23,091.03	1.1250	1	1	\$23,091.03	\$23,091.03
Clean trap sink, iron enamel	3	2.00 Ea.	\$18.01	\$22.55	15.0000	15	15	\$338.22	\$338.22
Replace faucets sink, iron enamel	10	2.00 Ea.	\$390.94	\$470.24	4.5000	4	4	\$1,880.97	\$1,880.97
Unstop sink, iron enamel	2	2.00 Ea.	\$88.02	\$110.19	22.5000	22	22	\$2,424.13	\$2,424.13
Replace sink, P.E.C.I. sink, iron enamel kitchen	10	2.00 Ea.	\$2,416.86	\$2,818.55	4.5000	4	4	\$11,274.21	\$11,274.21
Inspect / clean shower head	3	15.00 Ea.	\$773.03	\$967.70	15.0000	15	15	\$14,515.55	\$14,515.55
Replace mixing valve barrel shower, miscellaneous	2	15.00 Ea.	\$4,473.37	\$5,262.48	22.5000	22	22	\$115,774.58	\$115,774.58
Replace mixing valve shower, miscellaneous	10	15.00 Ea.	\$4,400.89	\$5,353.96	4.5000	4	4	\$21,415.82	\$21,415.82
Replace shower surface, ceramic tile	30	15.00 Ea.	\$13,747.16	\$16,705.28	1.5000	1	1	\$16,705.28	\$16,705.28
Check / minor repairs drinking fountain	1	6.00 Ea.	\$309.15	\$387.00	45.0000	45	45	\$17,415.03	\$17,415.03
Repair internal leaks drinking fountain	4	6.00 Ea.	\$286.61	\$358.78	11.2500	11	11	\$3,946.60	\$3,946.60
Correct water pressure drinking fountain	2	6.00 Ea.	\$264.06	\$330.56	22.5000	22	22	\$7,272.39	\$7,272.39
Replace refrigerant drinking fountain	2	6.00 Ea.	\$212.43	\$248.58	22.5000	22	22	\$5,468.72	\$5,468.72
Repair drain leak drinking fountain	4	6.00 Ea.	\$174.58	\$211.14	11.2500	11	9	\$2,322.50	\$1,900.22
Replace fountain drinking fountain	10	6.00 Ea.	\$9,724.88	\$11,425.81	4.5000	4	4	\$45,703.22	\$45,703.22
Clean & service water heater, gas / oil, 1150 GPH	2	1.00 Ea.	\$617.22	\$772.66	22.5000	22	22	\$16,998.46	\$16,998.46
Replace water heater, gas / oil, 1150 GPH	20	1.00 Ea.	\$40,152.67	\$46,253.95	2.2500	2	2	\$92,507.90	\$92,507.90

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Replace 1000 gallon solar storage tank	20	1.00 Ea.	\$8,315.71	\$9,633.34	2.2500	2	2	\$19,266.69	\$19,266.69
Inspect / check pump / motor operation, lubricate circulation pump, 1/6 HP	1	1.00 Ea.	\$8.44	\$10.56	45.0000	45	45	\$475.29	\$475.29
Replace pump / motor assembly circulation pump, 1/6 HP	20	1.00 Ea.	\$2,955.54	\$3,410.63	2.2500	2	2	\$6,821.25	\$6,821.25
Insp./chk. pump/mtr. oper., lub., chk. align. circulation pump, 1/2 HP	1	1.00 Ea.	\$12.56	\$15.72	45.0000	45	45	\$707.49	\$707.49
Replace pump / motor assembly, partial circulation pump, 1/2 HP	20	1.00 Ea.	\$4,075.42	\$4,693.63	2.2500	2	2	\$9,387.25	\$9,387.25
Replace drain: roof, scupper, area	40	4.00 Ea.	\$4,521.49	\$5,215.40	1.1250	1	1	\$5,215.40	\$5,215.40
Install new 4" gasket, 1 per M.L.F. natural gas, steel/iron	30	1.00 Ea.	\$226.30	\$280.46	1.5000	1	1	\$280.46	\$280.46
Replace 10' of buried 4" diam steel pipe/M.L.F. natural gas	12	1.00 Ea.	\$917.35	\$1,119.74	3.7500	3	3	\$3,359.22	\$3,359.22
Repair boiler, gas, 2000 MBH	7	2.00 Ea.	\$11,469.59	\$13,370.29	6.4286	6	6	\$80,221.76	\$80,221.76
Replace boiler, gas, 2000 MBH	30	2.00 Ea.	\$81,177.87	\$95,116.86	1.5000	1	1	\$95,116.86	\$95,116.86
Repair chemical feed system	15	1.00 Ea.	\$993.18	\$1,181.40	3.0000	3	3	\$3,544.20	\$3,544.20
Replace chemical feed system	15	1.00 Ea.	\$961.33	\$1,114.73	3.0000	3	3	\$3,344.18	\$3,344.18
Repair deaerator	10	1.00 Ea.	\$77.82	\$97.42	4.5000	4	4	\$389.69	\$389.69
Replace deaerator	20	1.00 Ea.	\$53,575.39	\$62,555.59	2.2500	2	2	\$125,111.18	\$125,111.18
Replace metal flue, all fuel SS, 6" diameter metal flue / chimney	15	1.00 L.F.	\$165.38	\$190.91	3.0000	3	3	\$572.74	\$572.74
Repair hermetic centrifugal chiller, 300 ton	10	1.00 Ea.	\$82,072.71	\$96,079.23	4.5000	4	4	\$384,316.91	\$384,316.91
Replace hermetic centrifugal chiller, 300 ton	20	1.00 Ea.	\$217,169.08	\$250,650.06	2.2500	2	2	\$501,300.12	\$501,300.12
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	2.00 Ea.	\$8,594.12	\$9,969.92	2.2500	2	2	\$19,939.83	\$19,939.83
Repair central station A.H.U., 63,000 CFM	10	2.00 Ea.	\$22,245.93	\$25,502.32	4.5000	4	3	\$102,009.26	\$76,506.95
Replace central station A.H.U., 63,000 CFM	15	2.00 Ea.	\$595,378.40	\$684,771.38	3.0000	3	3	\$2,054,314.15	\$2,054,314.15
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	350.00 Ea.	\$30,676.75	\$37,853.16	2.2500	2	2	\$75,706.32	\$75,706.32
Rebuild double check 3" backflow preventer sprinkler system	1	1.00 Ea.	\$748.17	\$896.73	45.0000	45	45	\$40,352.80	\$40,352.80
Replace fire pump / electric motor assembly 100 H.P.	25	2.00 Ea.	\$96,023.93	\$110,702.65	1.8000	1	1	\$110,702.65	\$110,702.65
Replace fuse	25	120.00 Ea.	\$54,827.38	\$62,960.26	1.8000	1	1	\$62,960.26	\$62,960.26
Repair switchboard meter	10	2.00 Ea.	\$2,437.24	\$2,868.25	4.5000	4	4	\$11,472.99	\$11,472.99
Replace circuit breaker molded case, 480 V, 2 pole circuit breaker	50	6.00 Ea.	\$6,612.10	\$7,648.82	0.9000	0	0	\$0.00	\$0.00
Replace circuit breaker molded case, 600 V, 2 pole circuit breaker	50	2.00 Ea.	\$2,019.64	\$2,340.45	0.9000	0	0	\$0.00	\$0.00
Replace safety switch, heavy duty 30 A	25	6.00 Ea.	\$4,059.77	\$4,837.41	1.8000	1	1	\$4,837.41	\$4,837.41
Replace fluorescent light fixture ballast, 80 W	10	410.00 Ea.	\$42,888.52	\$52,886.23	4.5000	4	4	\$211,544.92	\$211,544.92
Replace lamps (2 lamps), 4', 34 W energy saver	10	410.00 Ea.	\$10,859.14	\$13,599.26	4.5000	4	4	\$54,397.04	\$54,397.04
Replace metal halide ballast, 175 W	10	200.00 Ea.	\$33,377.39	\$39,952.89	4.5000	4	4	\$159,811.54	\$159,811.54
Replace metal halide fixture lamp, 175 W	5	200.00 Ea.	\$11,419.37	\$13,898.31	9.0000	9	9	\$125,084.80	\$125,084.80

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Repair smoke detector	10	140.00 Ea.	\$8,121.42	\$10,056.56	4.5000	4	3	\$40,226.23	\$30,169.67
Check operation smoke detector	1	140.00 Ea.	\$2,380.12	\$2,981.95	45.0000	45	45	\$134,187.70	\$134,187.70
Replace smoke detector	15	140.00 Ea.	\$42,357.34	\$50,570.58	3.0000	3	3	\$151,711.74	\$151,711.74
Check and repair manual pull station	10	20.00 Ea.	\$1,797.67	\$2,214.94	4.5000	4	3	\$8,859.75	\$6,644.81
Replace manual pull station	15	20.00 Ea.	\$4,175.17	\$5,035.26	3.0000	3	3	\$15,105.77	\$15,105.77
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.42	\$182.60	9.0000	9	9	\$1,643.36	\$1,643.36
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$45.50	\$57.01	90.0000	90	90	\$5,130.92	\$5,130.92
Replace fire alarm control panel	15	1.00 Ea.	\$2,196.12	\$2,675.47	3.0000	3	3	\$8,026.42	\$8,026.42
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	2.00 Ea.	\$361.21	\$439.54	2.2500	2	2	\$879.09	\$879.09
Replace lamp emergency lighting fixture	2	70.00 Ea.	\$3,814.49	\$4,609.85	22.5000	22	22	\$101,416.77	\$101,416.77
Maintenance and repair exit light	20	6.00 Ea.	\$230.94	\$286.02	2.2500	2	2	\$572.05	\$572.05
Replace lamp exit light	5	6.00 Ea.	\$98.08	\$116.63	9.0000	9	9	\$1,049.69	\$1,049.69
Repair painted clay brick wall, 1st floor	25	300.00 S.F.	\$13,849.71	\$17,013.85	1.8000	1	1	\$17,013.85	\$17,013.85
Replace painted clay brick wall - 2nd floor	75	30.90 C.S.F.	\$76,310.81	\$92,918.49	0.6000	0	0	\$0.00	\$0.00
Replace glass - 1st floor (1% of glass) - alum. window fixed	1	5.40 S.F.	\$71.01	\$83.38	45.0000	45	45	\$3,752.04	\$3,752.04
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	90.00 Ea.	\$14,068.19	\$16,764.43	2.2500	2	2	\$33,528.85	\$33,528.85
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	90.00 Ea.	\$60,978.63	\$71,577.27	0.9000	0	0	\$0.00	\$0.00
Replace glass - 2nd floor (1% of glass) - alum. window fixed	1	5.64 S.F.	\$639.07	\$788.91	45.0000	45	45	\$35,501.11	\$35,501.11
Repair 2'-0" x 3'-0" aluminum window - 2nd floor	20	94.00 Ea.	\$19,401.01	\$23,358.09	2.2500	2	2	\$46,716.18	\$46,716.18
Replace 2'-0" x 3'-0" aluminum window - 2nd floor	50	94.00 Ea.	\$68,396.36	\$80,607.06	0.9000	0	0	\$0.00	\$0.00
Repair aluminum storefront door	12	2.00 Ea.	\$1,020.45	\$1,219.37	3.7500	3	3	\$3,658.11	\$3,658.11
Replace 3'-0" x 7'-0" aluminum storefront doors	50	2.00 Ea.	\$4,818.39	\$5,676.62	0.9000	0	0	\$0.00	\$0.00
Replace insulating glass - (3% of glass) aluminum storefront door	1	1.26 S.F.	\$70.04	\$81.90	45.0000	45	45	\$3,685.70	\$3,685.70
Repair steel, painted, door	14	8.00 Ea.	\$5,618.68	\$6,673.54	3.2143	3	3	\$20,020.62	\$20,020.62
Refinish 3'-0" x 7'-0" steel, painted, door	4	8.00 Ea.	\$368.44	\$451.17	11.2500	11	11	\$4,962.87	\$4,962.87
Replace 3'-0" x 7'-0" steel, painted, door	45	8.00 Ea.	\$7,336.87	\$8,495.41	1.0000	1	1	\$8,495.41	\$8,495.41
Replace tempered glass - (3% of glass) steel painted door	1	5.04 S.F.	\$159.96	\$188.82	45.0000	45	45	\$8,496.76	\$8,496.76
Total EPDM roof replacement	25	713.00 Sq.	\$521,262.32	\$615,573.29	1.8000	1	1	\$615,573.29	\$615,573.29
Repair steel painted interior door	14	17.00 Ea.	\$4,742.80	\$5,536.60	3.2143	3	3	\$16,609.79	\$16,609.79
Refinish 3'-0" x 7'-0" steel painted interior door	4	17.00 Ea.	\$980.08	\$1,204.91	11.2500	11	11	\$13,254.05	\$13,254.05
Replace 3'-0" x 7'-0" steel painted interior door	60	17.00 Ea.	\$21,752.32	\$25,226.60	0.7500	0	0	\$0.00	\$0.00
Repair aluminum interior door	12	7.00 Ea.	\$1,952.92	\$2,279.78	3.7500	3	3	\$6,839.33	\$6,839.33

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace 3'-0" x 7'-0" aluminum door & frame, interior	50	7.00 Ea.	\$21,228.82	\$24,414.46	0.9000	0	0	\$0.00	\$0.00	
Replace safetyglass (3% of glass) aluminum interior door	1	4.41 S.F.	\$110.01	\$129.69	45.0000	45	45	\$5,836.08	\$5,836.08	
Replace metal lockers, single tier	20	240.00 Ea.	\$95,285.55	\$110,063.62	2.2500	2	2	\$220,127.24	\$220,127.24	
Repair concrete steps	15	240.00 S.F.	\$7,505.88	\$8,651.99	3.0000	3	3	\$25,955.97	\$25,955.97	
Replace concrete steps	100	240.00 S.F.	\$13,725.73	\$16,741.97	0.4500	0	0	\$0.00	\$0.00	
Repair 5/8" drywall - (2% of walls)	20	314.00 S.F.	\$524.67	\$641.18	2.2500	2	2	\$1,282.37	\$1,282.37	
Refinish drywall	4	15,700.00 S.F.	\$10,638.94	\$13,069.92	11.2500	11	11	\$143,769.07	\$143,769.07	
Replace 5/8" drywall	75	15,700.00 S.F.	\$37,096.22	\$45,554.71	0.6000	0	0	\$0.00	\$0.00	
Refinish concrete floor finished	25	6.36 C.S.F.	\$2,649.43	\$3,196.65	1.8000	1	1	\$3,196.65	\$3,196.65	
Replace vinyl tile flooring	18	120.00 S.Y.	\$6,130.70	\$7,544.60	2.5000	2	2	\$15,089.20	\$15,089.20	
Replace rubber tile floor	18	4,000.00 S.Y.	\$399,644.97	\$490,373.41	2.5000	2	2	\$980,746.82	\$980,746.82	
Ceramic tile floor repairs - (2% of floors)	15	0.38 C.S.F.	\$256.13	\$319.37	3.0000	3	3	\$958.11	\$958.11	
Replace 2" x 2" thin set ceramic tile floor	50	19.00 C.S.F.	\$25,375.45	\$30,585.89	0.9000	0	0	\$0.00	\$0.00	
Sand and refinish maple strip floor	10	3,180.00 S.F.	\$9,224.61	\$11,287.78	4.5000	4	4	\$45,151.12	\$45,151.12	
Replace maple floor	40	3,180.00 S.F.	\$40,821.98	\$47,982.49	1.1250	1	1	\$47,982.49	\$47,982.49	
Repair gypsum board ceiling - (2% of ceilings)	20	0.95 C.S.F.	\$366.55	\$450.11	2.2500	2	2	\$900.21	\$900.21	
Refinish gypsum board ceiling, up to 12' high	20	47.70 C.S.F.	\$6,921.75	\$8,515.77	2.2500	2	1	\$17,031.55	\$8,515.77	
			\$3,091,179.75	\$3,648,886.23				MR Subtotal	\$7,668,030.10	
									MR Per Year	\$170,103.55
									PM Total	\$41,058.74
									Subtotal	\$211,162.29
									Total Per Unit	\$2.96

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SUC \$2.96

Release 2023 Qtr 4

UM SF

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 71228.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Door, emergency egress, swinging, annualized	6.00	1.56	\$100.58	\$68.90	\$0.00	\$169.48	\$200.21	\$235.97
Fire doors, swinging, annualized	6.00	2.35	\$93.99	\$92.74	\$0.00	\$186.73	\$223.95	\$265.87
Elevator, hydraulic, passenger / freight, annualized	2.00	20.45	\$2,281.85	\$1,831.50	\$0.00	\$4,113.35	\$4,890.99	\$5,782.71
Urinals, annualized	15.00	3.42	\$99.43	\$182.47	\$0.00	\$281.89	\$346.58	\$416.23
Toilet (vacuum breaker type), annualized	30.00	5.31	\$265.65	\$283.84	\$0.00	\$549.49	\$661.20	\$786.20
Lavatories, annualized	30.00	10.44	\$233.77	\$654.00	\$0.00	\$887.77	\$1,107.35	\$1,338.62
Showers, annualized	15.00	3.42	\$202.65	\$215.17	\$0.00	\$417.82	\$502.63	\$597.58
Drink fountain, annualized	6.00	3.72	\$224.66	\$198.82	\$0.00	\$423.48	\$505.59	\$598.94
Water heater, steam 2500 gal., annualized	1.00	1.55	\$149.78	\$82.84	\$0.00	\$232.62	\$272.45	\$319.76
Boiler, hot water, oil, gas, or comb. fired, over 1000 MBH, annualized	2.00	39.40	\$177.10	\$2,485.20	\$0.00	\$2,662.30	\$3,425.57	\$4,197.69
Water cooling tower, 50 thru 500 tons, annualized	1.00	9.91	\$203.41	\$627.84	\$0.00	\$831.25	\$1,039.95	\$1,258.81
Chiller, recip., air cooled, over 25 tons, annualized	1.00	12.89	\$95.63	\$815.32	\$0.00	\$910.95	\$1,165.11	\$1,424.05
Chiller, centrif., water cooled, over 100 tons, annualized	1.00	33.36	\$125.49	\$2,114.60	\$0.00	\$2,240.09	\$2,887.02	\$3,540.22
Air handling unit, over 50 tons, annualized	2.00	6.55	\$536.36	\$348.80	\$0.00	\$885.16	\$1,043.44	\$1,228.53
Fan coil unit, annualized	8.00	26.70	\$655.78	\$1,430.08	\$0.00	\$2,085.86	\$2,580.46	\$3,107.85
Air filter, electrostatic, annualized	4.00	30.41	\$44.33	\$1,621.92	\$0.00	\$1,666.25	\$2,157.25	\$2,650.48
Backflow prevention device, up to 4", annualized	1.00	0.33	\$14.02	\$20.93	\$0.00	\$34.94	\$42.62	\$51.01
Extinguishing system, wet pipe, annualized	1.00	11.34	\$49.59	\$710.68	\$0.00	\$760.27	\$978.43	\$1,199.07
Fire pump, electric motor driven, annualized	2.00	95.50	\$74.89	\$5,973.20	\$0.00	\$6,048.09	\$7,847.54	\$9,650.73
Transformer, dry type 500 KVA and over, annualized	2.00	1.54	\$27.66	\$107.22	\$0.00	\$134.88	\$169.82	\$206.13
Light, emergency, hardwired system, annualized	36.00	9.00	\$323.28	\$567.87	\$0.00	\$891.15	\$1,093.85	\$1,312.70
Switchboard, annualized	4.00	2.80	\$15.91	\$195.89	\$0.00	\$211.80	\$272.16	\$333.31
Circuit breaker, high voltage air, annualized	6.00	2.82	\$82.98	\$194.86	\$0.00	\$277.83	\$344.59	\$415.49
Motor control center, over 400 A, annualized	2.00	0.78	\$44.00	\$53.61	\$0.00	\$97.61	\$118.10	\$140.78
						\$27,001.07	\$33,876.84	\$41,058.74



# FAC 1715 PHYSICAL EDUCATION BUILDING

## Modeled Component List CostWorks Release 2023 Qtr 4

### C30 Interior Finishes

Gypsum Wall Board	47.7 C.S.F.
Drywall	15700.0 S.F.
Concrete, Finished	6.36 C.S.F.
Vinyl	120.0 S.Y.
Rubber Tile	4000.0 S.Y.
Maple Strip	3180.0 S.F.

### D20 Plumbing

Sink, Iron Enamel	2.0 Ea.
Shower, Misc.	15.0 Ea.
Drinking Fountain	6.0 Ea.
Water Heater, Gas / Oil, 1150 GPH	1.0 Ea.
Solar Storage Tank, 1000 Gallon	1.0 Ea.
Circulation Pump, 1/6 HP	1.0 Ea.
Circulation Pump, 1/2 HP	1.0 Ea.
Drain: Roof, Scupper, Area	4.0 Ea.

### D30 HVAC

Boiler, Gas, 2000 MBH	2.0 Ea.
Chemical Feed System	1.0 Ea.
Deaerator	1.0 Ea.
Metal Flue / Chimney, 6" diameter	1.0 L.F.
Exhaust Fan, roof mounted exhaust fan, 8500 CFM exhaust	2.0 Ea.
Central Station Air Conditioning Air Handling Unit, 63,000 CFM	2.0 Ea.

### D40 Fire Protection

Sprinkler System, Fire Supression, sprinkler head	350.0 Ea.
Sprinkler System, Fire Supression , 3" backflow preventer	1.0 Ea.
Fire Pump Electric Motor	2.0 Ea.
Fire Pump, Electric, annualized	2.0 Each

### D50 Electrical

Circuit Breaker, molded case, 600 V, 2 pole	2.0 Ea.
Safety Switch, Heavy Duty	6.0 Ea.
Smoke Detector	140.0 Ea.
Manual Pull Station	20.0 Ea.
Fire Alarm Control Panel	1.0 Ea.
Annunciation Panel	1.0 Ea.
Fire Alarm Bell	2.0 Ea.

### B20 Exterior Enclosure

Aluminum Window, Fixed, 1st floor	90.0 Ea.
Aluminum Window, Fixed, 2nd floor	94.0 Ea.
Glazed Aluminum	2.0 Ea.
Steel, Painted	8.0 Ea.

### B30 Roofing

EPDM Roof	713.0 Sq.
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### C10 Interior Construction

Steel Painted Interior Doors	17.0 Ea.
Aluminum Interior Doors	7.0 Ea.
Metal Lockers	240.0 Ea.
Fire Doors, Swinging, annualized	6.0 Each

### C20 Stairs

Concrete Steps	240.0 S.F.
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### D10 Conveying

Elevator, hydraulic annualized	2.0 Each
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Sustainment by Year  
CostWorks Release 2023 Qtr 4

