

**FAC 1712      Applied Instruction Building**

RUC:            \$275.00 SF

Source:        Tri-Service FAC 1712 from *Tri-Service Facility Unit Costs for Military Construction* version prepared November 13, 2009

.

SUC:            \$2.92 SF

Source:        Cost Works model in \$FY-08, inflated to \$FY-09 using Green Book Table 5-6 (O&M less DHP)  
In V12, values were inflated only.  
Model follows:

Chart:         A chart showing relative annual sustainment requirements follows:

**FAC 1712 Applied Institution Building**  
**CostWorks 2008 Quarter 2**

Design Life= 50  
Average S.F= 14,984

C.S.F=100 S.F; MSF=1000 S.F  
Sq=100 S.F; M.L.F=1000 L.F

This spreadsheet was exported  
from R.S. Means CostWorks

Terminal Cutoff is the removal of a single task occurrence if that task occurs within 10% of the end of the design life and if the frequency of the task exceeds 20% of the design life. This prevents scheduling major work near the end of the design life.

Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Type	Release	Occurrences In Design Life	Adjusted Occurrences	Terminal Cutoff
Repair brick wall - 1st floor	25	1 Bric	146.400	S.F.	5,416.80	6,582.14 FMR		2008 Qtr 2 2		1 \$	6,582.14
Replace brick wall - 2nd floor	75	2 Bric	14.600	C.S.F.	29,865.61	35,837.01 FMR		2008 Qtr 2 0		0 \$	-
Replace glass - 1st floor (1% of glass)	1	1 Carp	5.200	S.F.	47.06	55.22 FMR		2008 Qtr 2 50		50 \$	2,761.20
Repair 2'-0" x 3'-0" aluminum window - 1st floor	20	1 Carp	8.800	Ea.	1,011.65	1,198.56 FMR		2008 Qtr 2 2		2 \$	2,397.12
Replace 2'-0" x 3'-0" aluminum window - 1st floor	50	1 Carp	88.000	Ea.	38,596.80	45,143.12 FMR		2008 Qtr 2 1		0 \$	-
Replace glass - 2nd floor (1% of glass)	1	1 Carp	5.800	S.F.	506.92	620.89 FMR		2008 Qtr 2 50		50 \$	31,044.50
Repair 2'-0" x 3'-0" aluminum window - 2nd floor	20	1 Carp	9.800	Ea.	1,506.26	1,807.32 FMR		2008 Qtr 2 2		2 \$	3,614.63
Replace 2'-0" x 3'-0" aluminum window - 2nd floor	50	1 Carp	98.000	Ea.	46,780.30	54,998.58 FMR		2008 Qtr 2 1		0 \$	-
Repair aluminum storefront door	12	1 Carp	0.200	Ea.	82.79	98.14 FMR		2008 Qtr 2 4		3 \$	294.41
Replace 3'-0" x 7'-0" aluminum storefront doors	50	1 Carp	2.000	Ea.	3,362.52	3,948.16 FMR		2008 Qtr 2 1		0 \$	-
Refinish 12' x 24' steel double roll-up door	12	1 Pord	3.000	Ea.	1,015.59	1,236.06 FMR		2008 Qtr 2 4		3 \$	3,708.18
Replace 12' x 24' steel double roll-up door	35	2 Carp	3.000	Ea.	19,954.20	23,161.92 FMR		2008 Qtr 2 1		1 \$	23,161.92
Replace tempered glass - (3% of glass)	1	1 Carp	1.000	S.F.	19.30	22.96 FMR		2008 Qtr 2 50		50 \$	1,148.00
Prepare and refinish 3'-0" x 7'-0" steel ptd. door	12	1 Pord	1.000	Ea.	65.21	80.74 FMR		2008 Qtr 2 4		3 \$	242.22
Replace 3'-0" x 7'-0" steel, w/ wire glass, ptd. door	45	1 Carp	1.000	Ea.	939.96	1,095.60 FMR		2008 Qtr 2 1		1 \$	1,095.60
Repair steel, painted, door	14	1 Carp	0.200	Ea.	116.49	137.27 FMR		2008 Qtr 2 3		3 \$	411.82
Refinish 3'-0" x 7'-0" steel, painted, door	12	1 Pord	2.000	Ea.	65.82	80.62 FMR		2008 Qtr 2 4		3 \$	241.86
Replace 3'-0" x 7'-0" steel, painted, door	45	1 Carp	2.000	Ea.	1,064.16	1,240.08 FMR		2008 Qtr 2 1		1 \$	1,240.08
Debris removal by hand & visual inspection metal steep roofing	1	2 Rofc	5.600	M.S.F.	99.40	119.84 FMR		2008 Qtr 2 50		50 \$	5,992.00
Minor finish repairs - (2% of roof area) metal steep roofing	5	2 Rofc	113.100	S.F.	306.50	364.18 FMR		2008 Qtr 2 10		10 \$	3,641.82
Flashing replacement - (2 S.F. per sq. repaired) metal steep roofing	5	2 Rofc	2.200	S.F.	31.77	38.13 FMR		2008 Qtr 2 10		10 \$	381.26
Minor replacement - (2.5% of roof area) metal steep roofing	20	2 Rofc	141.400	S.F.	1,264.12	1,501.67 FMR		2008 Qtr 2 2		2 \$	3,003.34
Total metal panel replacement metal steep roofing	30	2 Rofc	56.500	Sq.	37,421.65	44,494.32 FMR		2008 Qtr 2 1		1 \$	44,494.32
Debris removal by hand & visual inspection,modified bitum/thermoplstc	1	2 Rofc	3.700	M.S.F.	108.56	130.80 FMR		2008 Qtr 2 50		50 \$	6,539.75
Non-destructive moisture inspection,modified bitum/thermoplastic	5	2 Rofc	3.700	M.S.F.	335.89	406.26 FMR		2008 Qtr 2 10		10 \$	4,062.60
Minor membrane repairs-(2% of roof area),modified bitum/thermoplastic	15	G5	0.700	Sq.	186.75	220.32 FMR		2008 Qtr 2 3		3 \$	660.95
Flashing repairs-(2 S.F. per sq. repaired),modified bitum/thermoplstc	5	2 Rofc	1.400	S.F.	4.65	5.47 FMR		2008 Qtr 2 10		10 \$	54.74
Membrane replacement-(25% of roof area),modified bitum/thermoplastic	20	G5	9.300	Sq.	5,921.78	7,020.57 FMR		2008 Qtr 2 2		2 \$	14,041.14
Total roof replacement,modified bituminous / thermoplastic	25	G1	37.400	Sq.	18,207.82	21,524.07 FMR		2008 Qtr 2 2		1 \$	21,524.07
Repair steel painted interior door	14	1 Carp	0.900	Ea.	150.98	178.33 FMR		2008 Qtr 2 3		3 \$	534.98
Refinish 3'-0" x 7'-0" steel painted interior door	12	1 Pord	9.000	Ea.	444.60	547.38 FMR		2008 Qtr 2 4		3 \$	1,642.14
Replace 3'-0" x 7'-0" steel painted interior door	60	1 Carp	9.000	Ea.	8,437.86	9,809.64 FMR		2008 Qtr 2 0		0 \$	-
Replace insulating glass (3% of glass) fully glazed wooden doors	1	1 Carp	0.200	S.F.	9.08	10.64 FMR		2008 Qtr 2 50		50 \$	532.20
Refinish 3'-0" x 7'-0" fully glazed wood door	12	1 Pord	1.000	Ea.	69.22	85.39 FMR		2008 Qtr 2 4		3 \$	256.17
Replace 3'-0" x 7'-0" fully glazed wood door	40	1 Carp	1.000	Ea.	981.02	1,147.26 FMR		2008 Qtr 2 1		1 \$	1,147.26
Repair solid core wood door interior	11	1 Carp	3.900	Ea.	654.23	772.75 FMR		2008 Qtr 2 4		4 \$	3,090.98
Refinish 3'-0" x 7'-0" solid core wood door interior	12	1 Pord	39.000	Ea.	1,646.58	2,027.22 FMR		2008 Qtr 2 4		3 \$	6,081.66
Replace 3'-0" x 7'-0" solid core wood door interior	40	1 Carp	39.000	Ea.	14,301.30	16,579.68 FMR		2008 Qtr 2 1		1 \$	16,579.68
Repair concrete steps	15	1 Cefi	9.400	S.F.	159.71	185.93 FMR		2008 Qtr 2 3		3 \$	557.80

**FAC 1712 Applied Institution Building**  
**CostWorks 2008 Quarter 2**

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Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Release	Occurrences In Design Life	Adjusted Occurrences	Terminal Cutoff
Replace concrete steps	100	2 Cefi	94.000	S.F.	4,653.94	5,648.46 FMR	2008 Qtr 2	0		0 \$ -
Refinish metal stair railing interior	12	1 Pord	51.000	S.F.	69.87	86.70 FMR	2008 Qtr 2	4		3 \$ 260.10
Replace metal stair railing interior	45	2 Sswk	51.000	L.F.	1,829.37	2,113.44 FMR	2008 Qtr 2	1		1 \$ 2,113.44
Repair 8" concrete block wall - (2% of walls) painted	25	1 Bric	1.200	C.S.F.	1,213.45	1,456.82 FMR	2008 Qtr 2	2		1 \$ 1,456.82
Refinish concrete block wall painted	12	1 Pord	63.400	C.S.F.	6,160.58	7,489.44 FMR	2008 Qtr 2	4		3 \$ 22,468.33
Replace 8" concrete block wall painted	75	2 Bric	63.400	C.S.F.	68,333.15	82,178.45 FMR	2008 Qtr 2	0		0 \$ -
Repair fabric wall finish fabric interior	12	1 Pord	31.300	S.Y.	788.45	954.96 FMR	2008 Qtr 2	4		3 \$ 2,864.89
Replace fabric wall finish fabric interior	50	1 Pord	313.400	S.Y.	44,042.10	53,735.56 FMR	2008 Qtr 2	1		0 \$ -
Repair 5/8" drywall - (2% of walls)	20	1 Carp	308.900	S.F.	491.15	590.00 FMR	2008 Qtr 2	2		2 \$ 1,180.00
Refinish drywall	12	1 Pord	15,447.000	S.F.	9,268.20	11,430.78 FMR	2008 Qtr 2	4		3 \$ 34,292.34
Replace 5/8" drywall	75	2 Carp	15,447.000	S.F.	34,446.81	41,552.43 FMR	2008 Qtr 2	0		0 \$ -
Replace carpet	12	2 Tilf	624.300	S.Y.	28,174.66	32,551.00 FMR	2008 Qtr 2	4		3 \$ 97,653.01
Ceramic tile floor repairs - (2% of floors)	15	1 Tilf	0.200	C.S.F.	123.60	153.98 FMR	2008 Qtr 2	3		3 \$ 461.93
Replace 2" x 2" thin set ceramic tile floor	50	1 Tilf	10.100	C.S.F.	13,573.29	16,337.56 FMR	2008 Qtr 2	1		0 \$ -
Refinish concrete floor finished	25	2 Cefi	79.600	C.S.F.	27,815.42	33,486.92 FMR	2008 Qtr 2	2		1 \$ 33,486.92
Replace vinyl floor	18	1 Tilf	20.700	S.Y.	988.43	1,206.81 FMR	2008 Qtr 2	2		2 \$ 2,413.62
Acoustic tile repairs - (2% of ceilings)	9	1 Carp	1.700	C.S.F.	759.36	903.84 FMR	2008 Qtr 2	5		5 \$ 4,519.20
Replace acoustic tile ceiling, fire-rated	20	1 Carp	85.100	C.S.F.	34,308.07	40,762.90 FMR	2008 Qtr 2	2		2 \$ 81,525.80
Repair sheetrock ceiling - (2% of ceilings)	20	1 Carp	0.100	C.S.F.	34.93	42.63 FMR	2008 Qtr 2	2		2 \$ 85.25
Refinish sheetrock ceiling	20	1 Pord	2.200	C.S.F.	276.47	341.64 FMR	2008 Qtr 2	2		2 \$ 683.28
Replace sheetrock ceiling	40	2 Carp	6.700	C.S.F.	2,400.81	2,931.32 FMR	2008 Qtr 2	1		1 \$ 2,931.32
Check / minor repairs drinking fountain	1	1 Plum	2.000	Ea.	75.16	94.68 FMR	2008 Qtr 2	50		50 \$ 4,734.00
Repair internal leaks drinking fountain	4	1 Plum	2.000	Ea.	70.28	86.86 FMR	2008 Qtr 2	12		12 \$ 1,042.32
Correct water pressure drinking fountain	2	1 Plum	2.000	Ea.	64.42	81.00 FMR	2008 Qtr 2	25		25 \$ 2,025.00
Replace refrigerant drinking fountain	2	1 Plum	2.000	Ea.	31.68	37.72 FMR	2008 Qtr 2	25		25 \$ 943.00
Repair drain leak drinking fountain	4	1 Plum	2.000	Ea.	45.26	54.06 FMR	2008 Qtr 2	12		12 \$ 648.72
Replace fountain drinking fountain	10	2 Plum	2.000	Ea.	2,011.68	2,387.14 FMR	2008 Qtr 2	5		5 \$ 11,935.70
Inspect and clean spray heads, emergency eye wash	3	1 Plum	1.000	Ea.	37.80	47.44 FMR	2008 Qtr 2	16		16 \$ 759.04
Replace eye wash station, emergency eye wash	25	2 Plum	1.000	Ea.	573.92	695.88 FMR	2008 Qtr 2	2		1 \$ 695.88
Inspect and clean shower head emergency shower station	3	1 Plum	1.000	Ea.	37.80	47.44 FMR	2008 Qtr 2	16		16 \$ 759.04
Replace shower emergency shower station	25	2 Plum	1.000	Ea.	726.39	873.58 FMR	2008 Qtr 2	2		1 \$ 873.58
Replace washer in spud connection lavatory, vitreous china	7	1 Plum	11.000	Ea.	264.11	311.63 FMR	2008 Qtr 2	7		7 \$ 2,181.41
Replace washer in faucet lavatory, vitreous china	2	1 Plum	11.000	Ea.	108.35	135.19 FMR	2008 Qtr 2	25		25 \$ 3,379.75
Replace faucets lavatory, vitreous china	10	1 Plum	11.000	Ea.	1,358.39	1,639.66 FMR	2008 Qtr 2	5		5 \$ 8,198.30
Clean out strainer and P trap lavatory, vitreous china	2	1 Plum	11.000	Ea.	297.44	369.27 FMR	2008 Qtr 2	25		25 \$ 9,231.75
Replace lavatory, vitreous china	35	2 Plum	11.000	Ea.	5,832.09	6,992.70 FMR	2008 Qtr 2	1		1 \$ 6,992.70
Replace faucet washer sink, iron enamel	2	1 Plum	2.000	Ea.	19.58	24.38 FMR	2008 Qtr 2	25		25 \$ 609.50
Clean trap sink, iron enamel	3	1 Plum	2.000	Ea.	13.20	16.50 FMR	2008 Qtr 2	16		16 \$ 264.00

**FAC 1712 Applied Institution Building**  
**CostWorks 2008 Quarter 2**

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		Average S.F= 14,984	Sq=100 S.F; M.L.F=1000 L.F	from R.S. Means CostWorks						
Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Release	Occurrences In Design Life	Adjusted Occurences	Terminal Cutoff
Replace faucets sink, iron enamel	10	1 Plum	2.000	Ea.	246.98	298.12 FMR	2008 Qtr 2	5		5 \$ 1,490.60
Unstop sink sink, iron enamel	2	1 Plum	2.000	Ea.	64.42	81.00 FMR	2008 Qtr 2	25		25 \$ 2,025.00
Replace sink, P.E.C.I. sink, iron enamel	35	2 Plum	2.000	Ea.	1,105.44	1,315.38 FMR	2008 Qtr 2	1		1 \$ 1,315.38
Replace flush valve diaphragm tankless water closet	10	1 Plum	10.000	Ea.	707.40	830.60 FMR	2008 Qtr 2	5		5 \$ 4,153.00
Rebuild flush valve tankless water closet	20	1 Plum	10.000	Ea.	1,319.80	1,600.10 FMR	2008 Qtr 2	2		2 \$ 3,200.20
Unplug clogged line tankless water closet	5	1 Plum	10.000	Ea.	1,682.60	2,101.80 FMR	2008 Qtr 2	10		10 \$ 21,018.00
Replace tankless water closet	35	2 Plum	10.000	Ea.	5,480.00	6,483.60 FMR	2008 Qtr 2	1		1 \$ 6,483.60
Replace tankless flush valve	25	1 Plum	10.000	Ea.	2,095.00	2,453.70 FMR	2008 Qtr 2	2		1 \$ 2,453.70
Replace wax ring gasket tankless water closet	5	1 Plum	10.000	Ea.	1,095.70	1,372.00 FMR	2008 Qtr 2	10		10 \$ 13,720.00
Replace flush valve diaphragm urinal	7	1 Plum	3.000	Ea.	212.22	249.18 FMR	2008 Qtr 2	7		7 \$ 1,744.26
Rebuild flush valve urinal	20	1 Plum	3.000	Ea.	395.94	480.03 FMR	2008 Qtr 2	2		2 \$ 960.06
Unplug line urinal	5	1 Plum	3.000	Ea.	336.42	419.73 FMR	2008 Qtr 2	10		10 \$ 4,197.30
Replace wall-hung urinal	35	2 Plum	3.000	Ea.	2,524.89	3,019.71 FMR	2008 Qtr 2	1		1 \$ 3,019.71
Repair circulator pump, 1/12 - 3/4 H.P.	5	1 Stpi	1.000	Ea.	70.99	84.25 FMR	2008 Qtr 2	10		10 \$ 842.50
Replace circulator pump, 1/12 - 3/4 H.P.	15	Q1	1.000	Ea.	2,484.44	2,870.47 FMR	2008 Qtr 2	3		3 \$ 8,611.41
Replace pipe and fittings, copper 3/4"	20	2 Plum	16.000	L.F.	283.52	343.68 FMR	2008 Qtr 2	2		2 \$ 687.36
Replace pipe and fittings, copper 2"	25	2 Plum	16.000	L.F.	652.96	785.76 FMR	2008 Qtr 2	2		1 \$ 785.76
Repair damaged pipe insulation, fiberglass 2"	5	Q14	2.000	Ea.	36.92	45.06 FMR	2008 Qtr 2	10		10 \$ 450.60
Repair damaged pipe insulation, fiberglass 3/4"	5	Q14	4.000	Ea.	62.88	76.72 FMR	2008 Qtr 2	10		10 \$ 767.20
Replace pipe insulation, fiberglass 3/4"	5	Q14	0.100	M.L.F.	628.91	766.13 FMR	2008 Qtr 2	10		10 \$ 7,661.30
Replace pipe insulation, fiberglass 2"	5	Q14	0.100	M.L.F.	742.64	906.91 FMR	2008 Qtr 2	10		10 \$ 9,069.10
Drain and flush water heater, electric, 120 gallon	7	1 Plum	1.000	Ea.	226.43	283.04 FMR	2008 Qtr 2	7		7 \$ 1,981.28
Check operation water heater, electric, 120 gallon	3	1 Plum	1.000	Ea.	1.98	2.48 FMR	2008 Qtr 2	16		16 \$ 39.68
Replace water heater, electric, 120 gallon	15	2 Plum	1.000	Ea.	9,192.45	10,543.79 FMR	2008 Qtr 2	3		3 \$ 31,631.37
Replace pipe, 4" pipe and fittings, PVC	30	2 Plum	300.000	L.F.	17,760.00	21,957.00 FMR	2008 Qtr 2	1		1 \$ 21,957.00
General maintenance & repair drain: roof, scupper, area	1	1 Plum	3.000	Ea.	85.05	107.01 FMR	2008 Qtr 2	50		50 \$ 5,350.50
Replace drain: roof, scupper, area	40	1 Plum	3.000	Ea.	1,195.02	1,404.42 FMR	2008 Qtr 2	1		1 \$ 1,404.42
Replace roof mounted exhaust fan, 8500 CFM exhaust fan	20	Q20	1.000	Ea.	2,619.48	3,050.64 FMR	2008 Qtr 2	2		2 \$ 6,101.28
Repair single zone rooftop unit, 25 ton	10	Q6	3.000	Ea.	77,463.27	89,768.67 FMR	2008 Qtr 2	5		5 \$ 448,843.35
Replace single zone rooftop unit, 25 ton	15	Q7	1.500	Ea.	51,147.60	59,516.40 FMR	2008 Qtr 2	3		3 \$ 178,549.20
Repair fan coil unit, 1 ton	10	1 Stpi	3.000	Ea.	1,107.66	1,323.06 FMR	2008 Qtr 2	5		5 \$ 6,615.30
Replace fan coil unit, 1 ton	15	Q5	3.000	Ea.	3,294.90	3,886.68 FMR	2008 Qtr 2	3		3 \$ 11,660.04
Minor repairs to fire alarm control panel	5	1 Elec	1.000	Ea.	107.84	130.97 FMR	2008 Qtr 2	10		10 \$ 1,309.70
Maintenance and inspection fire alarm control panel	0.5	1 Elec	1.000	Ea.	30.54	38.17 FMR	2008 Qtr 2	100		100 \$ 3,817.00
Replace fire alarm control panel	15	1 Elec	1.000	Ea.	2,615.62	3,107.84 FMR	2008 Qtr 2	3		3 \$ 9,323.52
Inspect sprinkler system	1	1 Plum	1.000	Ea.	26.55	32.89 FMR	2008 Qtr 2	50		50 \$ 1,644.50
Replace sprinkler head	20	1 Plum	60.000	Ea.	3,820.80	4,707.60 FMR	2008 Qtr 2	2		2 \$ 9,415.20
Replace fire alarm bell, 6"	20	1 Elec	4.000	Ea.	569.12	686.04 FMR	2008 Qtr 2	2		2 \$ 1,372.08

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Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Release	Occurrences In Design Life	Adjusted Occurrences	Terminal Cutoff	
Repair failed breaker, 3 pole circuit breaker	4	1 Elec	1.000	Ea.	525.04	607.28 FMR	2008 Qtr 2	12		12	\$ 7,287.36
Maintenance and inspection C.B., 3 pole circuit breaker	0.33	1 Elec	1.000	Ea.	22.91	28.50 FMR	2008 Qtr 2	151		151	\$ 4,303.50
Replace C.B. enclosed, 600 V, 3 pole circuit breaker	12	1 Elec	1.000	Ea.	993.60	1,158.09 FMR	2008 Qtr 2	4		3	\$ 3,474.27
Maintenance and inspection lighting panel, indoor	3	1 Elec	3.000	Ea.	85.50	106.89 FMR	2008 Qtr 2	16		16	\$ 1,710.24
Maintenance and repair motor starter, up to 600 V	5	1 Elec	4.000	Ea.	683.00	830.00 FMR	2008 Qtr 2	10		10	\$ 8,300.00
Maintenance and inspection motor starter, up to 600 V	0.5	1 Elec	4.000	Ea.	152.68	191.40 FMR	2008 Qtr 2	100		100	\$ 19,140.00
Replace starter motor starter, up to 600 V	18	1 Elec	4.000	Ea.	2,112.72	2,521.64 FMR	2008 Qtr 2	2		2	\$ 5,043.28
Replace emergency lighting fixture	20	1 Elec	6.000	Ea.	5,059.50	5,829.60 FMR	2008 Qtr 2	2		2	\$ 11,659.20
Replace lamp emergency lighting fixture	2	1 Elec	6.000	Ea.	324.00	384.84 FMR	2008 Qtr 2	25		25	\$ 9,621.00
Replace fluor. ballast for fluorescent lighting fixture, 80 W	10	1 Elec	330.000	Ea.	32,861.40	39,626.40 FMR	2008 Qtr 2	5		5	\$ 198,132.00
Replace lamps (2 lamps) fluorescent lighting fixture, 80 W	10	1 Elec	330.000	Ea.	8,395.20	10,289.40 FMR	2008 Qtr 2	5		5	\$ 51,447.00
Maintenance and repair incandescent lighting fixtures	10	1 Elec	12.000	Ea.	567.36	676.68 FMR	2008 Qtr 2	5		5	\$ 3,383.40
Replace lamp incandescent lighting fixtures	5	1 Elec	12.000	Ea.	83.76	102.24 FMR	2008 Qtr 2	10		10	\$ 1,022.40
Replace M.H. ballast mercury halide fixture, 175 W	10	1 Elec	21.000	Ea.	4,011.00	4,701.69 FMR	2008 Qtr 2	5		5	\$ 23,508.45
Replace lamp mercury halide fixture, 175 W	5	1 Elec	21.000	Ea.	1,553.79	1,836.87 FMR	2008 Qtr 2	10		10	\$ 18,368.70
Maintenance and repair receptacles and plugs	20	1 Elec	396.000	Ea.	12,311.64	15,337.08 FMR	2008 Qtr 2	2		2	\$ 30,674.16
Replace receptacle/plug receptacles and plugs	20	1 Elec	396.000	Ea.	20,892.96	25,510.32 FMR	2008 Qtr 2	2		2	\$ 51,020.64
Maintenance and repair wiring devices, switches	10	1 Elec	157.000	Ea.	4,881.13	6,080.61 FMR	2008 Qtr 2	5		5	\$ 30,403.05
Replace switch wiring devices, switches	15	1 Elec	157.000	Ea.	8,039.97	9,788.95 FMR	2008 Qtr 2	3		3	\$ 29,366.85
Check and repair manual pull station	10	1 Elec	6.000	Ea.	415.26	509.22 FMR	2008 Qtr 2	5		5	\$ 2,546.10
Replace manual pull station	15	1 Elec	6.000	Ea.	754.44	911.34 FMR	2008 Qtr 2	3		3	\$ 2,734.02
Repair smoke detector	10	1 Elec	15.000	Ea.	572.85	705.00 FMR	2008 Qtr 2	5		5	\$ 3,525.00
Check operation smoke detector	1	1 Elec	15.000	Ea.	171.00	214.50 FMR	2008 Qtr 2	50		50	\$ 10,725.00
Replace smoke detector	15	1 Elec	15.000	Ea.	2,843.25	3,404.85 FMR	2008 Qtr 2	3		3	\$ 10,214.55
Maintenance and repair master clock control	10	1 Elec	1.000	Ea.	126.58	152.54 FMR	2008 Qtr 2	5		5	\$ 762.70
Check operation master clock control	1	1 Elec	1.000	Ea.	30.54	38.17 FMR	2008 Qtr 2	50		50	\$ 1,908.50
Replace time control clock master clock	15	1 Elec	1.000	Ea.	178.99	214.18 FMR	2008 Qtr 2	3		3	\$ 642.54
Replace aluminum siding - 2nd floor	35	1 Carp	20.400	C.S.F.	11,504.58	13,861.39 FMR	2008 Qtr 2	1		1	\$ 13,861.39
Refinish aluminum siding - 2nd floor	20	1 Pord	20.400	C.S.F.	4,795.43	5,882.75 FMR	2008 Qtr 2	2		2	\$ 11,765.50
					<b>\$850,924.98</b>	<b>\$1,012,998.06</b>					
										MR Subtotal	\$ 1,958,654.73
										MR Per Year	\$ 39,173.09
										PM Per Year	\$ 5,943.53
										Subtotal	\$ 45,116.62
										Total Per Unit	\$ 3.01

**CostWorks 2009 Quarter 1 - FAC 1712 Applied Instruction Building**

Qty	Description	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release
8.000	VAV Boxes, annualized	470.80	583.36	200	FMR	2008
1.000	Door, overhead, manual, up to 24' high x 25' wide, annualized	133.87	161.50	200	FMR	2008
3.000	Door, emergency egress, swinging, annualized	147.39	171.21	200	FMR	2008
49.000	Fire doors, swinging, annualized	1,208.34	1,449.91	200	FMR	2008
2.000	Drink fountain, annualized	95.72	114.72	200	FMR	2008
3.000	Urinals, annualized	37.08	46.32	200	FMR	2008
11.000	Lavatories, annualized	261.80	319.00	200	FMR	2008
10.000	Toilet (vacuum breaker type), annualized	123.60	154.40	200	FMR	2008
3.000	Fan coil unit, annualized	620.91	767.16	200	FMR	2008
3.000	Air conditioning,split system,DX air cooled,over 10 tons, annualized	873.96	1,222.24	200	FMR	2008
1.000	Circuit breaker, high voltage air, annualized	25.70	32.01	200	FMR	2008
1.000	Central clock systems, annualized	73.31	91.75	200	FMR	2008
6.000	Light, emergency, wet cell, annualized	543.00	632.94	200	FMR	2008
3.000	Panelboard, 225 A and above, annualized	165.84	197.01	200	FMR	2008
		<b>\$4,781.32</b>	<b>\$5,943.53</b>			

FAC 1712 Sustainment by Year - Terminal Cutoff Applied

