

**FAC 4211     Ammunition Storage, Depot & Arsenal**

RUC:             \$245.00 SF

Source:          Tri-Service FAC 4211 from *Tri-Service Facility Unit Costs for Military Construction*  
version prepared November 13, 2009

SUC:             \$2.19 SF

Source:          CostWorks model, inflated to FY-09 using Green Book Table 5-6 (O&M less DHP):

Chart:           A chart showing relative annual sustainment requirements follows:

**FAC 4211, Ammo Storage, Depot and Arsenal**  
**CostWorks 2008 Quarter 2**

Design Life= 50  
Average S.F= 2657

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

spreadsh  
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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 Incl. O&P	Zip Code Prefix	Type	Release	Adjusted	lifecost	Terminal
Minor repairs to concrete floor unfinished	15	1 Cefi	26.600	S.F.	985.00	203	FMR	2008 Qtr 2	3	\$2,954.99	\$ 2,954.99
Replace aluminum siding - 1st floor	35	1 Carp	27.440	C.S.F.	14,959.19	203	FMR	2008 Qtr 2	1	\$14,959.19	\$ 14,959.19
Refinish aluminum siding - 1st floor	20	1 Pord	27.440	C.S.F.	5,113.17	203	FMR	2008 Qtr 2	2	\$10,226.34	\$ 10,226.34
Repair aluminum sliding door	12	1 Carp	2.000	Ea.	811.78	203	FMR	2008 Qtr 2	3	\$3,247.12	\$ 2,435.34
Replace 3'-0" x 7'-0" aluminum sliding door	50	1 Carp	2.000	Ea.	3,455.88	203	FMR	2008 Qtr 2	0	\$3,455.88	\$ -
Repair steel, painted, door	14	1 Carp	1.000	Ea.	686.36	203	FMR	2008 Qtr 2	3	\$2,059.08	\$ 2,059.08
Refinish 3'-0" x 7'-0" steel, painted, door	4	1 Pord	1.000	Ea.	40.31	203	FMR	2008 Qtr 2	12	\$483.72	\$ 483.72
Replace 3'-0" x 7'-0" steel, painted, door	45	1 Carp	1.000	Ea.	620.04	203	FMR	2008 Qtr 2	1	\$620.04	\$ 620.04
Replace 3'-0" x 7'-0" steel sliding unpainted door	45	1 Carp	2.000	Ea.	1,599.32	203	FMR	2008 Qtr 2	1	\$1,599.32	\$ 1,599.32
Debris removal by hand & visual inspection,modified	1	2 Rofc	3.056	M.S.F.	108.03	203	FMR	2008 Qtr 2	50	\$5,401.48	\$ 5,401.48
Non-destructive moisture inspection,modified bitum/	5	2 Rofc	3.056	M.S.F.	335.55	203	FMR	2008 Qtr 2	10	\$3,355.49	\$ 3,355.49
Minor membrane repairs-(2% of roof area),modified	1	G5	0.611	Sq.	192.31	203	FMR	2008 Qtr 2	50	\$9,615.31	\$ 9,615.31
Flashing repairs-(2 S.F. per sq. repaired),modified b	1	2 Rofc	1.200	S.F.	4.69	203	FMR	2008 Qtr 2	50	\$234.60	\$ 234.60
Membrane replacement-(25% of roof area),modified	20	G5	7.640	Sq.	5,767.44	203	FMR	2008 Qtr 2	2	\$11,534.87	\$ 11,534.87
Total roof replacement,modified bituminous / thermo	25	G1	30.560	Sq.	17,587.59	203	FMR	2008 Qtr 2	1	\$35,175.17	\$ 17,587.59
Replace fan & motor, propeller exh., 1000 CFM exh	15	Q20	1.000	Ea.	1,010.33	203	FMR	2008 Qtr 2	3	\$3,030.99	\$ 3,030.99
Replace roof mounted exhaust fan, 8500 CFM exha	20	Q20	1.000	Ea.	3,050.64	203	FMR	2008 Qtr 2	2	\$6,101.28	\$ 6,101.28
Inspect sprinkler system	1	1 Plum	1.000	Ea.	32.89	203	FMR	2008 Qtr 2	50	\$1,644.50	\$ 1,644.50
Replace sprinkler head	20	1 Plum	31.000	Ea.	2,432.26	203	FMR	2008 Qtr 2	2	\$4,864.52	\$ 4,864.52
Repair switchgear, - (5% of total C.B.), indoor, less t	10	1 Elec	1.000	Ea.	317.58	203	FMR	2008 Qtr 2	5	\$1,587.90	\$ 1,587.90
Maintenance and inspection switchgear, indoor, less	3	1 Elec	1.000	Ea.	35.63	203	FMR	2008 Qtr 2	16	\$570.08	\$ 570.08
Replace switchgear, indoor, less than 600 V	30	1 Elec	1.000	Ea.	3,893.60	203	FMR	2008 Qtr 2	1	\$3,893.60	\$ 3,893.60
Maintenance and inspection lighting panel, indoor	3	1 Elec	1.000	Ea.	35.63	203	FMR	2008 Qtr 2	16	\$570.08	\$ 570.08
Maintenance and repair breaker, 1 pole circuit break	20	1 Elec	10.000	Ea.	636.30	203	FMR	2008 Qtr 2	2	\$1,272.60	\$ 1,272.60
Replace C.B. molded case, 600 V, 3 pole circuit bre	50	1 Elec	10.000	Ea.	36,115.50	203	FMR	2008 Qtr 2	0	\$36,115.50	\$ -
Maintenance and repair safety switch gen., 2 pole	8	1 Elec	1.000	Ea.	35.63	203	FMR	2008 Qtr 2	6	\$213.78	\$ 213.78
Maintenance and inspection safety switch, 2 pole	1	1 Elec	1.000	Ea.	35.63	203	FMR	2008 Qtr 2	50	\$1,781.50	\$ 1,781.50
Replace safety switch 240 V, 2 pole	25	2 Elec	1.000	Ea.	421.38	203	FMR	2008 Qtr 2	1	\$842.76	\$ 421.38
Maintenance and repair receptacles and plugs	20	1 Elec	3.000	Ea.	116.19	203	FMR	2008 Qtr 2	2	\$232.38	\$ 232.38
Replace receptacle/plug receptacles and plugs	20	1 Elec	3.000	Ea.	193.26	203	FMR	2008 Qtr 2	2	\$386.52	\$ 386.52
Maintenance and repair wiring devices, switches	10	1 Elec	3.000	Ea.	116.19	203	FMR	2008 Qtr 2	5	\$580.95	\$ 580.95
Replace switch wiring devices, switches	15	1 Elec	3.000	Ea.	187.05	203	FMR	2008 Qtr 2	3	\$561.15	\$ 561.15
Replace fluor. ballast for fluorescent lighting fixture,	10	1 Elec	36.000	Ea.	4,322.88	203	FMR	2008 Qtr 2	5	\$21,614.40	\$ 21,614.40
Replace lamps (2 lamps) fluorescent lighting fixture,	10	1 Elec	36.000	Ea.	1,122.48	203	FMR	2008 Qtr 2	5	\$5,612.40	\$ 5,612.40
Replace fixture fluorescent lighting fixture, 80 W	20	1 Elec	36.000	Ea.	7,743.96	203	FMR	2008 Qtr 2	2	\$15,487.92	\$ 15,487.92

**\$114,121.66**

MR Subtotal \$ 153,495.29

MR Per Year \$ 3,069.91

PM Per Year \$ 2,944.23

Subtotal \$ 6,014.14

Total Per Unit \$ 2.26

**CostWorks 2008 Quarter 2 - FAC4211**

Qty	Assembly Number	Description	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release
2.000	B2035 110 1950	Door, sliding, electric, annualized	291.88	350.94	203	FMR	2008 Qtr 2
1.000	D3045 220 1950	Fan, centrifugal, up to 5,000 CFM, annualized	62.25	75.95	203	FMR	2008 Qtr 2
1.000	D4015 180 1950	Extinguishing system, deluge / preaction, annualize	757.99	929.67	203	FMR	2008 Qtr 2
1.000	D5015 210 1950	Switchboard, annualized	47.96	59.68	203	FMR	2008 Qtr 2
1.000	D5015 260 1950	Panelboard, 225 A and above, annualized	56.96	67.71	203	FMR	2008 Qtr 2
1.000	D5035 710 1950	Fire alarm annunciator system, annualized	811.57	990.03	203	FMR	2008 Qtr 2
1.000	D5035 810 1950	Security, intrusion alarm system, annualized	265.36	326.54	203	FMR	2008 Qtr 2
1.000	D3045 210 1950	Fan, axial, up to 5,000 CFM, annualized	70.55	86.20	203	FMR	2008 Qtr 2
1.000	B2035 225 1950	Door, emergency egress, swinging, annualized	49.51	57.51	203	FMR	2008 Qtr 2
			<b>\$2,414.03</b>	<b>\$2,944.23</b>			

FAC 4211 Sustainment by Year - Terminal Cutoff Applied

