## UNIT COSTS for The ARMY FACILITIES - MILITARY CONSTRUCTION PROGRAM PAX NEWSLETTER 3.2.2, dated 20 Mar 2009

### APPENDIX - A, PART - I & II ( Buildings and Support Facilities)

This newsletter supersedes the PAX Newsletter No. 3.2.2, **dated 11 Feb 08**, and updates the Appendix A, Facility Unit Cost Table, Appendix C, Tri-Service Military Construction Program (MCP) Index, and Table-1, Size Adjustment Factors, contained in UFC 3-700-01A, dated 1 Mar 2005 (formally TM 5-800-4, Programming Cost Estimates for Military Construction, dated May 1994). It may be used as a guide for preparation and/or review and budget submission of the FY 11 Army MILCON projects' parametric cost estimates, ENG Form 3086, unless otherwise noted. This is published and maintained on the web page at <a href="http://www.usace.army.mil/CaEl/Pages/PAX.aspx">http://www.usace.army.mil/CaEl/Pages/PAX.aspx</a>

## 1. APPENDIX A - FACILITY UNIT COST TABLE (FOR FY11 and later MILCON, GTF (Grow The Force) Projects)

- a. Most unit costs are based on historic construction award data from FY2006 to 2008 projects, with a few exceptions. In rare cases, where we did not have at least three recently (FY 2006-08) entered projects for a facility-type in HAG (Historic Analysis Generator) database, we used FY 2005 awards. All bid data was normalized for 3 (instead of 7 bidder traditionally used) bidders reflecting in the current bidding climate, incorporated actual construction inflation rate thru 30 Sep 2008, and escalated from 1 Oct 2008 to the assumed mid-point of construction of October 2011 using the inflation rate published in the OSD memo, dated 13 Feb 09, Subject: Inflation Guidance Fiscal Year FY2010 President's Budget. The unit cost database include only new construction projects, and does not include data from renovation or addition/alteration projects.
- b. The tabulation is arranged numerically by category codes. Category code series descriptions are contained in DA Pamphlet 415-28, Guide to Army Real Property Category Codes, dated 11 Apr 2006. The five (5) digit category code is designated by adding XX behind the three (3) digit main category code for this group where unit costs span a group of subcategories or cat code is still not officially established. For example, 851XX and 852XX are designated for roads, streets, parking, apron and sidewalks pavements.
- c. Escalation Unit costs are escalated to 1 October **2011**, the assumed midpoint of construction for **FY11** projects, with an area cost factor (ACF) of 1.00. The MCP inflation indices shown in **Appendix C** (PAX Processor) should be used to escalate the **FY11** unit costs beyond **1 Oct 11**. These unit costs include installed (built-in) building equipment and furnishings normally funded by the MILCON funds as described in AR 420-1, contractor's markup cost for overhead & profit, but do <u>not</u> include allowances for construction contingencies and supervision, inspection, and overhead (SIOH), or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions. Unit costs for DoD medical facilities include category A and B equipment, but do <u>not</u> include category E and F equipment costs.
- d. The unit costs for Primary Facilities (buildings) in Appendix A, Part I, are for the primary facilities gross areas only, and do not include costs for support facilities, equipment acquired with other fund (non-MILCON) sources, anti-terrorism/force protection, sustainable construction features, or construction cost growth resulting from unforeseen site conditions or user requested change orders. For medical facilities, the building costs include Categories A and B equipment, but exclude Categories E and F equipment.
- e. Unit costs should be adjusted by the appropriate area cost factor, cost escalation factor as shown in Appendix C, size adjustment factor in Table I, and other adjustment factors as described in the UFC 3-700-01A, when applicable. The ACF list is contained in Appendix B, Location Adjustment Factors in the UFC 3-700-01A, and updated by the latest PAX Newsletter No. 3.2.1, Area Cost Factors Indexes, dated 5 Mar 09, which is also available on the web page as addressed above.

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- f. Size Adjustment Tables, Table -1: Building size identified in Part I of Appendix A is a reference size, and may not represent the standard size shown in the Army Standard Facilities design criteria. Table I, Size Adjustment Factors, shows a correlation between project size and construction cost, and is used to determine an appropriate size adjustment factor for the proposed facility.
- g. Chart A in Appendix A contains unit costs for Sitework Utility Piping. Chart C in Appendix A contains information for unit of measurement conversion factors between Metric and English Systems.

## 2. APPENDIX C - TRI-SERVICE MILITARY CONSTRUCTION PROGRAM (MCP) INDEX

Unit costs are escalated to 1 Oct 2011, the assumed midpoint of construction for a typical FY11 MCA project at a location with an Area Cost Factor of 1. The Military Construction Program (MCP) cost index for 1 October 2011 is 2556. For a project with an anticipated midpoint of construction date other than 1 October 2011 a cost escalation factor can be determined from this appendix as follows:

Project Anticipated Midpoint Date - 1 Apr 2012 (MCP Index = 2579)

Cost Escalation Factor = MCP Index 1 Apr 2012 / MCP Index 1 Oct 2011 = 2579/2556 = 1.0089

3. The Point of Contacts for this Newsletter letter at HQUSACE can be reached at (202) 761-7503, DSN-763-7503, or (202) 761-5887, DSN 763-5887.

APPENDIX A - FACILITY UNIT COST TABLE, PART-1 (Buildings & Major Facilities)

Note - Primary Facilities Unit Costs are based on the most recent 3-year (2005-08) bid results of MCA and BRAC projects, where at least 3-project bids are entered into the Historic Analysis Generator (HAG) database by 15 Nov 08. All bid pricing data were escalated to 1 Oct 2011, the assumed mid-point of construction of a typical FY11 MILCON project, using the inflation factors provided in the Budget Authority section of the OSD memo, dated 13 Feb 09, Subject - Inflation Guidance - FY 2010 President's Budget. Newly updated and/or approved Army Standard Design Unit Costs are provided by the respective Center of Standardization and validated by HQUSACE. The unit cost listed below represents the average of bid data normalized to an Area Cost

Category	Facility Description	Reference/	Unit of	Draft Unit Cost	REMARK
Codes		Standard Size	Measure	(U/C) \$/Unit	
		1,000	GA	\$5.50	
		5,000	GA	\$5.30	1
124XX	FUEL STORAGE (OPERATING)	10,000	GA	\$5.00	UNDERGROUND STORAGE - INCLUDES EXCAVATION, BACKFILL &
		20,000	GA	\$4.90	
		30,000	GA	\$4.70	
13115	INFORMATION SYSTEMS FACILITY (INFO SYS FAC)	58,000	SF	\$256.00	
10110	ALSO SEE CATCODE 13131 BELOW. HOUSES MAJORIT	Y OF GARRISO	ON LEVEL	INFO MGMT & INF	O TECH SERVICES, ASSOCIATED ADMIN SUPPORTS & SHOP SPACE
13120	COMMUNICATIONS CENTER (COMMO CTR)	6,000	SF	\$305.00	HUB FACILITY FOR INTERNAL & EXTERNAL COMMO SYSTEMS AND EQUIPMENT. NO SHIELDING
13181	SATELLITE COMMUNICATIONS CENTER	6,000	SF	\$540.00	
	INFORMATION PROCESSING CTR (Also called DATA	21,000	SF	\$305.00	
13131	PROCESSING CTR)  AUTOMATIC COMPUTER EQUIPMENT & DATA PROCE REQMS.	SSING FACILIT	Y W/ RAIS	ED FLOOR, SPEC	IAL TEMPERATURE, HUMIDITY & OTHER ENVIRONMENTAL CONTROL
13310	FLIGHT CONTROL TOWER (Stand Alone)	HEIGHT	LF	\$39,360.00	PRICE FOR EACH 1-FOOT VERTICAL HEIGHT OF THE TOWER USED FOR AIR TRAFFIC CONTROL SERVICE TO AIRFIELDS/HELIPORTS
14110	AIRFIELD OPERATIONS BLDG	25,000	SF	\$292.00	
14110					PASSENGER SUPPORT FACILITIES SIMILAR TO A CIVILIAN AIR TERMINAL.
14112	AVIATION UNIT OPS BLDG (AT AIRFIELD)	25,000	SF	\$246.00	AIRFIELD
	ACCESS CONTROL FAC (ACP)			****	THIS CATCODE INDICATES A BUILDINGS ONLY. OVERHEAD PROTECTIO
14113	VISITOR CONTROL CENTER (VCC-6 Processors)	2,960	SF	\$265.00	
	USE SIZE ADJUSTMENT FACTOR, Table-1 for Unit Cost GATEHOUSE	for 2-PROCESS	SOR ACP (	2480 SF) & 9-PRO \$362.00	
	SEARCH OFFICE	900	SF	\$362.00	
	SEARCH OFFICE	300	- 01	φ333.00	
	CIDC FIELD OPERATIONS BLDG (CIDC)	9,850	SF	\$191.00	THE STANDARD SIZE APPROXIMATES 9-12 RESIDENT AGENT CIDC
14114					AGENTS (7674 SF) & CIDC DISTRICT OFFICE (14,634 SF)
14129	TRAINING AIDS CENTER - FOR RANGE PROJECT	84,500	SF	\$160.00	
14132	READY BUILDING/ADACG FAC	20,000	SF	\$220.00	ARRIVAL & DEPARTURE AIRFIELD CONTROL GROUP (ADACG) FACILITIES SIMILAR TO AIRFIELD OPS BLD, CATCODE 14110
14162	SCIF FACILITY	25,000	SF	\$253.00	
14165	FUELING/POL SUPPORT BLDG	195	SF	\$271.00	HOUSES PLIMPING FOLIPMENT. ADD PLIMPS, ADD STORAGE TANKS
	OVERHEAD PROTECTION FOR COMPANY OPS	10,600	SF	\$68.00	
14179		I HTNING PROTI	ECTION F	OR A TYPICAL CO	OPS FACILITY (CAT CODE 14185) EQUIPMENT LAYOUT AREA. THE COST
	OF HARDSTAND IS NOT INCLUDED IN THE U/C, AND S				
4.4400	BRIGADE HQS BLD, (NEW STD DES)	40,100			125-156 Staff, Battlefield Surveillance, Combat & Support Bde
14182	SF), Fire Brigade, 105-121 staff (34,500 SF), Sustainment			0 SF)	ade, less than 70 staff (18,100 SF), Combat Aviation Brigade, 71-104 staff (31,200
14183	BATTALION HQS BLDG W/ CLASSROOMS	18,100			51-70 Staff HQ
14100	USE SIZE ADJUSTMENT FACTOR, Table-1 for other BAT	TALION HQS S	SIZES: 20-3	35 staff (14,100 SF)	
	COMPANY OPERATIONS FACILITY (COF) - SEE CAT CODE 14179 FOR HARDSTAND COVER	VARIES			AREA FOR THE ADMIN & READINESS MODULES WILL BE LISTED & ESTIMATED SEPARATELY IN DD1391 AND ENG3086. THE U/C FOR ADMIN & READINESS
	ADMINISTRATIVE MODULE - DETACHED (14185)	16,000	SF	\$211.00	MODULES WILL NOT EXCEED THE AMOUNTS SHOWN HERE FOR COVERED
14185	READINESS MODULE (RM) - STORAGE BLDG (14185)	42,000	SF	\$168.00	OVERHEAD PROTECTION, SEE CAT CODE 14179 ABOVE.
14103		IIN & READINE	SS SPAC	ES RESPECTIVEL	SIZE FOR A TYPICAL 4-COMPANY (2 SMALL COMPANY @150 SOLDIERS/CO Y. RM AREA CONTAINS FULLY CONDITIONED & SPRINKLED STORAGE NSTALLED LOCKERS IS INCLUDED IN THE U/C
COMMAND	D & CONTROL FAC (C2F- DIV & CORPS LEVEL ONLY)	143,000	SF	Not To exceed	\$255/SF FOR THE COMPLEX
	ADMINISTRATIVE AREAS	110,110	SF	\$237.00	
	NETWORK/EMERGENCY OPERATIONS CTR	17,160	SF	\$305.00	
14190	SCIF AREAS	15,730	SF	\$253.00	
					STANDARD. THE COST OF RAISED FLOORING, REDUNDANT ELECT/MECH OF THE MULTIFUNCTIONAL C2F BLDG SHALL NOT EXCEED \$255/SF
14955	WASH PLATFORM - ORG	1	EA	\$82,330.00	2 VEHICLES - LOW PRESSURE W/ WASH WATER TREATMENT
14960	GREASE RACK	1	EA	\$64,160.00	
14962	CENTRALIZED WASH FACILITY	1	EA	\$8,003,170.00	16 STATIONS WITH WASHWATER RECYCLING DISTINCT FROM ORGANIZATIONAL CLASSROOMS (Cat Code 17119). MAY
17120	GENERAL INSTRUCTION BLDG (GIB) (GEN INST BLDG)	25,000	SF	\$232.00	INCLUDE AUDITORIUM, LEARNING RESOURCE CTRS, LIBRARY & ADMIN SUPPORT SPACES
	GENERAL INSTRUCTION BLDG - RANGE	800	SF	\$236.00	A SEPARATE NEW CAT CODE FOR RANGE GIB PENDING
17121	INDOOR FIRING RANGE	23,000	SF	\$228.00	
17122	RANGE OPERATIONS & STORAGE FACILITIES	900	er.	\$160.00	
	RANGE OPERATIONS & STORAGE BLD	800 120	SF SE	\$160.00 \$335.00	
	AMMUNITION BREAKDOWN BUILDING RANGE OPERATIONS CENTER	120 2,000	SF SF	\$335.00 \$165.00	
	NAME OF ENATIONS CENTER	2,000	ЭF	JU.co.i φ	I .

APPENDIX A - FACILITY UNIT COST TABLE, PART-1 (Buildings & Major Facilities)

Note - Primary Facilities Unit Costs are based on the most recent 3-year (2005-08) bid results of MCA and BRAC projects, where at least 3-project bids are entered into the Historic Analysis Generator (HAG) database by 15 Nov 08. All bid pricing data were escalated to 1 Oct 2011, the assumed mid-point of construction of a typical FY11 MILCON project, using the inflation factors provided in the Budget Authority section of the OSD memo, dated 13 Feb 09, Subject - Inflation Guidance - FY 2010 President's Budget. Newly updated and/or approved Army Standard Design Unit Costs are provided by the respective Center of Standardization and validated by HQUSACE. The unit cost listed below represents the average of bid data normalized to an Area Cost Factor of 1 for each facility type.

Calegory I

	for each facility type.				
Category	Facility Description	Reference/	Unit of	Draft Unit Cost	REMARK
Codes		Standard Size	Measure	(U/C) \$/Unit	
17123	RANGE SUPPORT BLDGS  AFTER ACTION REVIEW (AAR) BLD	2.600		#207.00	
<u> </u>	RANGE CLASSROOM BUILDING	2,600 800	SF	\$207.00 \$212.00	
	RANGE CONTROL TOWER (CC 17971)	250	SF	\$418.00	USE CAT CODE 17971 U/C FOR THIS FACILITY
	FIELD LATRINES, AERATED VAULT TYPE (CC 73075)	200	SF	\$615.00	
	COVERED BLEACHER (CC 75061)	600	SF	\$138.00	
	COVERED MESS (CC 17139)	800	SF	\$82.00	
	, ,				
17133	VEHICLE MAINTENANCE INST BLDG	30,000	SF	\$206.00	
17134	AIRCRAFT MAINTENANCE INST BLDG	35,000	SF	\$239.00	HIGH BAY BUILDING
17135	LABORATORY INSTRUCTION BLDG	9,000	SF	\$247.00	
17136	AUTOMATION-AIDED INSTRUCTION BLDG	25,000	SF	\$296.00	
17137	MATERIAL HANDLING INSTRUCTION BLDG	40,000	SF	\$119.00	
17139	COVERED MESS - FOR RANGE PROJECT	800	SF	\$82.00	FOR OTHER RECEDIE FACILITIES LICE LIMIT COST FROM APPROPRIATE
17140	ARMY RESERVE CENTER BLD	48,000	SF	\$182.00	FOR OTHER RESERVE FACILITIES USE UNIT COST FROM APPROPRIATE FACILITY TYPE
17141	ARMED FORCES RESERVE CENTER BLD	48,000	SF	\$182.00	NEW CAT CODE FOR RESERVE CTR
		·	SF	ψ.02.00	THIS CAT CODE IS NO LONGER USED, WILL BE DELETED FROM DA PAM
17142	ARMY NATIONAL GUARD/ARMORY	20,000			428-15
17180	ARMY NATIONAL GUARD (NG) READINESS CTR	48,000	SF	\$182.00	NEW CAT CODE FOR NG READINESS CTR
47010	CIMULIATOR RUIL RIVE (MOTION 5: 0.2.2)	00.00	0.5	*****	DUIL DING ONLY MOT TO BE LIGHT FOR BANGE TO STORE
17210	SIMULATOR BUILDING (MOTION-BASED)	32,000	SF	\$181.00	
17971	CONTROL/OBSERVATION TOWER, RANGE	250	SF	\$418.00	COST EXCLUDES EQUIPMENT
	AIRCRAFT MAINTENANCE. HANGARS  MAINTENANCE GENERAL PURPOSE	80,000	SF	\$239.00	
	HIGH BAY MAINTENANCE	60,000	SF	\$239.00 \$271.00	
	CORROSION CONTROL	35,000	SF	\$332.00	
21110	ROTARY WING MAINTENANCE HANGARS- PROPOSED			Ψ002.00	
1	ATTACK-ASSAULT-CAVALRY BATTALION (AAC)	147,470	SF	\$265.00	
	AVIATION SUPPORT BATTALION (ASB)	157,500	SF	\$275.00	
	GROUND SUPPORT AVIATION BATTALION (GSAB)	157,500	SF	\$251.00	
21115	UAV MAINTENANCE HANGAR (UASHGR)	134,400	SF	\$246.00	
21120	AIRCRAFT COMPONENT REPAIR SHOP	20,000	SF	\$245.00	
21130	AIRCRAFT PAINT SHOP	70,000	SF	\$304.00	
21140	AIRCRAFT ENGINE TEST CELL FAC	13,000	SF	\$187.00	
21210	GUIDED MISSILE MAINTENANCE FAC	10,300	SF	\$208.00	
	VEHICLE MAINT OLIOP, TRACKED A MILEELER	05.000	0.5	<b>#040.00</b>	NEW ADMY OTO FOR TANTION FOUND MAINT FACILITY (TEMP)
21410	VEHICLE MAINT. SHOP - TRACKED & WHEELED	35,000	SF HOD SIZE		NEW ARMY STD FOR TACTICAL EQUIP MAINT FACILITY (TEMF)
	USE SIZE ADJUSTMENT FACTOR, Table-1 for other VEH	ICLE MAINT 3	HUP SIZE	5. 16,000 SF, 35,28	0 5F, 57,031 5F & 74,090 5F
21470	OIL STORAGE BLDG	700	SF	\$107.00	
	1	, 50	5	Ψ101.00	
21610	AMMUNITION RENOVATION SHOP	6.500	SF	\$170.00	
21610 21612	AMMUNITION RENOVATION SHOP  AMMUNITION SURVEILLANCE SHOP	6,500 13,000	SF SF	\$170.00 \$193.00	
21612	AMMUNITION SURVEILLANCE SHOP	13,000	SF	\$193.00	
21612 21630 21710	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP	13,000 82,500 5,500	SF SF SF	\$193.00 \$1,064.00 \$175.00	
21612 21630 21710 21740	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP	13,000 82,500 5,500 23,000	SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00	
21612 21630 21710 21740 21850	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL, FACILITY ELECTRONICS MAINTENANCE, SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP	13,000 82,500 5,500 23,000 5,000	SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00	
21612 21630 21710 21740 21850 21881	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP	13,000 82,500 5,500 23,000 5,000 8,000	SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00	
21612 21630 21710 21740 21850 21881 21885	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE	13,000 82,500 5,500 23,000 5,000 8,000 31,000	SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00	
21612 21630 21710 21740 21850 21881 21885 21910	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP	13,000 82,500 5,500 23,000 5,000 8,000 31,000	SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00	
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB	13,000 82,500 5,500 23,000 5,000 8,000 31,000 31,000 9,000	SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$247.00	
21612 21630 21710 21740 21850 21881 21885 21910	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP	13,000 82,500 5,500 23,000 5,000 8,000 31,000 9,000 31,000	SF SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$262.00 \$163.00 \$163.00 \$247.00 \$190.00	
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB	13,000 82,500 5,500 23,000 5,000 8,000 31,000 31,000 9,000 31,000 2,500	SF SF SF SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$163.00 \$247.00 \$199.00	
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB	13,000 82,500 5,500 23,000 5,000 8,000 31,000 9,000 31,000 2,500 5,000	SF SF SF SF SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$93.00 \$61.00	CHEMICAL DEMILITARIZATION FAC
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB	13,000 82,500 5,500 23,000 8,000 31,000 31,000 9,000 31,000 2,500 5,000	SF SF SF SF SF SF SF SF SF SF SF SF SF S	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$247.00 \$93.00 \$45.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 8,000 31,000 9,000 31,000 2,500 5,000	SF SF SF SF SF SF SF SF SF SF SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$143.00 \$163.00 \$247.00 \$190.00 \$33.00 \$41.00 \$45.00	CHEMICAL DEMILITARIZATION FAC
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 2,500 5,000 10,000 25,000	SF SF SF SF SF SF SF SF BL BL BL	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$247.00 \$93.00 \$45.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 9,000 2,500 5,000 10,000 50,000	SF S	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$193.00 \$193.00 \$41.00 \$45.00 \$34.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 2,500 10,000 25,000 10,000	SF S	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$190.00 \$93.00 \$61.00 \$34.00 \$247.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 8,000 31,000 31,000 2,500 5,000 10,000 25,000 50,000 100,000 250,000	SF S	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$190.00 \$190.00 \$31.00 \$45.00 \$34.00 \$17.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 8,000 8,000 31,000 31,000 2,500 10,000 25,000 5,000 25,000 25,000 25,000 25,000 10,000 25,000 10,000 10,000 25,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	SF SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$33.00 \$41.00 \$24.00 \$24.00 \$115.00 \$24.00 \$15.00 \$15.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 5,000 5,000 5,000 10,000 25,000 25,000 5,000 25,000 25,000 25,000 25,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$175.00 \$147.00 \$163.00 \$163.00 \$163.00 \$149.00 \$31.00 \$44.00 \$34.00 \$17.00 \$15.00 \$35.00 \$35.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 9,000 10,000 25,000 25,000 25,000 10,000 25,000 10,000 25,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$190.00 \$190.00 \$347.00 \$45.00 \$45.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$15.00 \$15.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 8,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 250,000 10,000 25,000 10,000 25,000 10,000 25,000 10,000 10,000 10,000 10,000 10,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$93.00 \$45.00 \$34.00 \$24.00 \$15.00 \$15.00 \$33.00 \$15.00 \$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG	13,000 82,500 5,500 23,000 5,000 31,000 31,000 9,000 10,000 25,000 25,000 25,000 10,000 25,000 10,000 25,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$190.00 \$190.00 \$347.00 \$45.00 \$45.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$15.00 \$15.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 2,500 5,000 10,000 25,000 25,000 10,000 25,000 10,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$190.00 \$3190.00 \$45.00 \$45.00 \$17.00 \$15.00 \$31.00 \$51.00 \$33.00 \$17.00 \$17.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT	13,000 82,500 23,000 8,000 8,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 25,000 10,000 25,000 10,000 25,000 5,000 10,000 25,000 5,000	SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL BL BL	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$193.00 \$347.00 \$34.00 \$45.00 \$15.00 \$34.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$33.00 \$15.00 \$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 2,500 5,000 10,000 25,000 25,000 10,000 25,000 10,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$190.00 \$3190.00 \$45.00 \$45.00 \$17.00 \$15.00 \$31.00 \$51.00 \$33.00 \$17.00 \$17.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT HIGH EXPLOSIVE IGLOO STORAGE, INSTALLATION	13,000 82,500 23,000 8,000 8,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 25,000 10,000 25,000 10,000 25,000 5,000 10,000 25,000 5,000	SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL BL BL	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$193.00 \$347.00 \$34.00 \$45.00 \$15.00 \$34.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$33.00 \$15.00 \$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT	13,000 82,500 23,000 8,000 8,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 25,000 10,000 25,000 10,000 25,000 5,000 10,000 25,000 5,000	SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL BL BL	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$193.00 \$347.00 \$34.00 \$45.00 \$15.00 \$34.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$33.00 \$15.00 \$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT HIGH EXPLOSIVE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION	13,000 82,500 23,000 8,000 8,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 25,000 10,000 25,000 10,000 25,000 5,000 10,000 25,000 5,000	SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL BL BL	\$193.00 \$1,064.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$193.00 \$347.00 \$34.00 \$45.00 \$15.00 \$34.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$15.00 \$33.00 \$15.00 \$33.00 \$15.00 \$33.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE	13,000 82,500 5,500 23,000 8,000 8,000 31,000 31,000 2,500 10,000 25,000 25,000 10,000 25,000 10,000 25,000 10,000 25,000 10,000 25,000 10,000 25,000 10,000 25,000 10,000 25,000	SF SF SF SF SF SF SF SF SF BL BL BL BL BL BL BL BL SF SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$163.00 \$190.00 \$33.00 \$45.00 \$34.00 \$17.00 \$15.00 \$93.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00 \$119.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT HIGH EXPLOSIVE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE WAREHOUSE W/PROCESSING	13,000 82,500 5,500 23,000 8,000 31,000 31,000 2,500 5,000 5,000 10,000 250,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000 10,000 250,000 10,000 250,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 11,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$163.00 \$190.00 \$31.00 \$45.00 \$31.00 \$17.00 \$31.00 \$17.00 \$15.00 \$17.00 \$15.00 \$24.00 \$17.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT HIGH EXPLOSIVE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE WAREHOUSE W/PROCESSING	13,000 82,500 5,500 23,000 8,000 8,000 31,000 31,000 2,500 5,000 5,000 25,000 25,000 5,000 25,000 5,000 5,000 5,000 5,000 10,000 25,000 5,000 10,000 25,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 11,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$163.00 \$163.00 \$163.00 \$190.00 \$31.00 \$45.00 \$31.00 \$17.00 \$31.00 \$17.00 \$15.00 \$17.00 \$15.00 \$24.00 \$17.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE WAREHOUSE W/ PROCESSING WAREHOUSE W/ PROCESSING GENERAL PURPOSE (G.P.) WAREHOUSE LOW BAY	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 5,000 5,000 10,000 25,000 25,000 5,000 10,000 10,000 25,000 10,000 11,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$163.00 \$247.00 \$31.00 \$45.00 \$34.00 \$17.00 \$31.00 \$51.00 \$39.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180 SEE CATCODE 42183
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX 411XX 42180 42183 42280 42283 43211	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, DEPOT HIGH EXPLOSIVE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE WAREHOUSE W/ PROCESSING  GENERAL PURPOSE (G.P.) WAREHOUSE LOW BAY HIGH BAY	13,000 82,500 5,500 31,000 31,000 31,000 31,000 31,000 25,000 10,000 250,000 10,000 250,000 10,000 250,000 110,000 250,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$201.00 \$147.00 \$262.00 \$163.00 \$130.00 \$247.00 \$190.00 \$33.00 \$45.00 \$34.00 \$15.00 \$34.00 \$15.00 \$34.00 \$15.	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180  SEE CATCODE 42183
21612 21630 21710 21740 21850 21881 21885 21910 31010 31410 411XX	AMMUNITION SURVEILLANCE SHOP AMMUNITION DEMIL. FACILITY ELECTRONICS MAINTENANCE. SHOP  AIRCRAFT AVIONICS MAINTENANCE SHOP BATTERY SHOP PARACHUTE REPAIR SHOP INSTALLATION MAINT. SHOP, GEN PURPOSE ENGINEERING/HOUSING MAINTENANCE SHOP CHEMISTRY LAB GROUND TRANSPORTATION EQUIPMENT BLDG  LIQUID FUEL STORAGE - BULK  LIQUID FUEL STORAGE - BULK  HIGH EXPLOSIVE IGLOO STORAGE DEPOT GENERAL PURPOSE IGLOO STORAGE, INSTALLATION GEN PURPOSE MAGAZINE, INSTALLATION COLD STORAGE WAREHOUSE WAREHOUSE W/ PROCESSING WAREHOUSE W/ PROCESSING GENERAL PURPOSE (G.P.) WAREHOUSE LOW BAY	13,000 82,500 5,500 23,000 5,000 31,000 31,000 31,000 5,000 5,000 10,000 25,000 25,000 5,000 10,000 10,000 25,000 10,000 11,000	SF   SF   SF   SF   SF   SF   SF   SF	\$193.00 \$1,064.00 \$175.00 \$175.00 \$147.00 \$147.00 \$163.00 \$163.00 \$163.00 \$247.00 \$31.00 \$45.00 \$34.00 \$17.00 \$31.00 \$51.00 \$39.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00 \$17.00 \$19.00	ABOVE GROUND STEEL TANK INCLUDES FOUNDATION DIKE AND EXTERIOR COATINGS (42 US GALS/BBL)  ABOVE GROUND STEEL TANK W/ FLOAT PANS INCLUDES FOUNDATION DIKE AND INTERIOR EPOXY LINING & INTERIOR COATING  HIGH EXPLOSIVE MAGAZINE W/ CRANE - EARTH MOUNDING GEN PURPOSE MAGAZINE W/O CRANE SEE CATCODE 42180  SEE CATCODE 42183  16 FT STACK HEIGHT  UP TO 26 FT STACK HEIGHT

APPENDIX A - FACILITY UNIT COST TABLE, PART-1 (Buildings & Major Facilities)

Note - Primary Facilities Unit Costs are based on the most recent 3-year (2005-08) bid results of MCA and BRAC projects, where at least 3-project bids are entered into the Historic Analysis Generator (HAG) database by 15 Nov 08. All bid pricing data were escalated to 1 Oct 2011, the assumed mid-point of construction of a typical FY11 MILCON project, using the inflation factors provided in the Budget Authority section of the OSD memo, dated 13 Feb 09, Subject - Inflation Guidance - FY 2010 President's Budget. Newly updated and/or approved Army Standard Design Unit Costs are provided by the respective Center of Standardization and validated by HQUSACE. The unit cost listed below represents the average of bid data normalized to an Area Cost Factor of 1 for each facility type.

Category I

Category					
	Facility Description	Reference/	Unit of	Draft Unit Cost	REMARK
Codes	· · · · · · · · · · · · · · · · · · ·	Standard Size	Measure	(U/C) \$/Unit	<del></del>
44150	FLAMMABLE MATERIAL STORAGE	8,200	SF	\$151.00	
44181	VEHICLE STORAGE FACILITY	16,000	SF	\$54.00	OPEN SIDES
		16,000	SF	\$74.00	ENCLOSED
44210	AC PARTS STORAGE BLDG	16,000	SF	\$92.00	
44220	G P STORAGE FACILITY, INST				SEE CATCODE 44110
44222	STORAGE SHED, COVERED	8,000	SF	\$46.00	OPEN SIDES
44224	ORGANIZATIONAL EQUIP STORAGE BLDG	3,400	SF	\$99.00	FOR COF READINESS MODULE (RM) USE CAT CODE 14185 RM U/C
44230	CONTROLLED HUMIDITY WHSE, INST				SEE CATCODE 44130
44240	FLAMMABLE MATERIAL STORAGE, INST				SEE CATCODE 44150
45110	OPEN STORAGE AREA, DEPOT				SEE CATCODE 851XX (PART-II)
45210	OPEN STORAGE AREA, INST				SEE CATCODE 851XX (PART-II)
51010	MEDICAL CENTER/HOSPITAL		SF	\$516.00	STATION HOSPITAL
01010	MEDIOAE GENTEIGNIOGI TIAE		SF	\$557.00	REGIONAL MEDICAL CTR
53060	MEDICAL WAREHOUSE	44,000	SF	\$121.00	
53071	AMBULANCE GARAGE	480	SF	\$86.00	
54010	DENTAL CLINIC	20,000	SF	\$475.00	
55010	MEDICAL CLINIC	50,000	SF	\$368.00	ALSO REFERRED AS HEALTH CLINIC
	AMBULATORY CLINIC	100,000	SF	\$443.00	
	MILITARY ENTRANCE PROCESSING STATION (MERO)	00.040	0.5	#007.00	
61001	MILITARY ENTRANCE PROCESSING STATION (MEPS)	26,810	SF	\$237.00	
	USE SIZE ADJUSTMENT FACTOR, Table-1 for other MEF	S SIZES: upto	60 staff (2°	,205 SF) & 76-90 s	taff (32,717 SF)
			,	,	
	ADMIN FACILITY CENEDAL DUDDOCE	05.000	C.L	<b>#</b> 222.22	INCLUDES ADP CTR, AUDITORIUM, CAFETERIA, SECURITY. PRE-WIRED
	ADMIN FACILITY GENERAL PURPOSE	65,000	SF	\$222.00	WORK STATION COST NOT INCLUDED
61050	PRE-WIRED WORK STATION		EA	\$4,505.00	INCLUDES INSTALLATION COST
01000					THIS U/C SHOULD NOT USED FOR BRIGADE (CC14182) OR BATTALION
	COMMAND HEADQUARTERS BLD	40,000	SF	\$262.00	(CC14183) HQ BLDGS. USE U/C FROM APPROP. CAT CODES FOR BDE &
					BN HQS.
62010	UNDERGROUND ADMINISTRATIVE FAC	6,000	SF	\$235.00	HARDENED FACILITY
	FAMILY HOUSING W/SPRINKLERS OR FIRE RATED	3-5 Bedroom	varies	\$117.00	CONUS \$/GROSS SF
71114-16	CONSTRUCTION FAMILY HOUSING W/SPRINKLERS OR FIRE RATED				INCLUDES POST AWARD DESIGN COST OCONUS \$/GROSS SF
	CONSTRUCTION	3-5 Bedroom	varies	\$138.00	INCLUDES POST AWARD DESIGN COST
	CONSTRUCTION				INCLUDES FOST AWARD DESIGN COST
71410	DETACHED GARAGES	240	SF	\$65.00	SINGLE CAR/ MASONRY
71410	DETACTIED CARAGES	240	- 01	\$55.00	SINGLE CAR/ WOOD
				φ55.00	
71./11	CARRORT	240	QE.	\$46.00	
71411	CARPORT TEMPORARY LODGING FACILITY (Guest House)	240	SF	\$46.00	OPEN SIDES
71411 72010	CARPORT TEMPORARY LODGING FACILITY (Guest House)	240 30,000	SF SF	\$46.00 \$211.00	
	TEMPORARY LODGING FACILITY (Guest House)	30,000	SF	\$211.00	OPEN SIDES
	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING	30,000			OPEN SIDES
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY	30,000 99,500	SF SF	\$211.00 \$213.00	OPEN SIDES TEMPORARY LODGING FACILITIES
	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N	30,000 99,500 OTE: ALL UNF	SF SF INISHED C	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL
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72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON	30,000 99,500 OTE: ALL UNF AREAS WITH I	SF SF INISHED C PERIMETE	\$211.00 \$213.00 OR FINISHED ATTIO	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE	30,000 99,500 OTE: ALL UNF AREAS WITH I GER PROGRA	SF  SF  INISHED C  PERIMETE  MMED.  SF	\$213.00 \$213.00 OR FINISHED ATTIC R WALLS, MEASU \$233.00	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)	30,000 99,500 OTE: ALL UNF AREAS WITH I GER PROGRA	SF SF INISHED C PERIMETE MMED.	\$213.00 \$213.00 R FINISHED ATTIC R WALLS, MEASU	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)	30,000 99,500 OTE: ALL UNF AREAS WITH GER PROGRA 37,800 8,100	SF  SF  INISHED C PERIMETE MMED.  SF  SF	\$213.00 \$213.00 R FINISHED ATTION R WALLS, MEASU \$233.00 \$240.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO
72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE	30,000 99,500 OTE: ALL UNF AREAS WITH I GER PROGRA	SF  SF  INISHED C  PERIMETE  MMED.  SF	\$213.00 \$213.00 OR FINISHED ATTIC R WALLS, MEASU \$233.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE
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72010	TEMPORARY LODGING FACILITY (Guest House)  BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)	30,000 99,500 OTE: ALL UNF AREAS WITH I GER PROGRA 37,800 8,100	SF SF INISHED C PERIMETE MMED.  SF SF SF	\$211.00 \$213.00 R FINISHED ATTIC R WALLS, MEASU \$233.00 \$240.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE
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72010 72111 72112	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TRAFOR EACH FACILITY WITHIN THE COMPLEX WILL BE L REGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  72121 - BARRACKS/ COMPANY (CO) OPS BLD 14183 - AIT BATTALION (BN) HOS W/CLASSRMS 14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT	30,000  99,500  OTE: ALL UNF AREAS WITHI GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  13,285  9,650  30,500	SF SF INISHED C PERIMETE MMED.  SF	\$213.00 R FINISHED ATTIC R WALLS, MEASU  \$233.00 \$240.00 \$235.00 \$0.00  RRACK/CO OPS BL DD1391 AND ENG M AS AIT IN THE E  \$196.00 \$215.00 \$222.00 \$330.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/DPS FACILITY, USE 18.400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  DS. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 1086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE 101391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES
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72010 72111 72112	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TRAFOR EACH FACILITY WITHIN THE COMPLEX WILL BE L REGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  72121 - BARRACKS/ COMPANY (CO) OPS BLD 14183 - AIT BATTALION (BN) HOS W/CLASSRMS 14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT	30,000  99,500  OTE: ALL UNF AREAS WITHI GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  13,285  9,650  30,500	SF SF INISHED C PERIMETE MMED.  SF	\$213.00 R FINISHED ATTIC R WALLS, MEASU  \$233.00 \$240.00 \$235.00 \$0.00  RRACK/CO OPS BL DD1391 AND ENG M AS AIT IN THE E  \$196.00 \$215.00 \$222.00 \$330.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE 18.400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  DS. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 1086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE 1001391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES  30,500 SF IS THE REF. SIZE FOR AIT DFAC. USE SIZE ADJUST FACTOR TO
72010 72111 72112	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TR/FOR EACH FACILITY WITHIN THE COMPLEX WILL BE LREGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  12121 - BARRACKS/ COMPANY (CO) OPS BLD  14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT 72110 - DINING FACILITY - 2 BN, 2600 PN, 1088-SEAT BASIC TRAINEE (BT) & ONE STATION UNIT TRAINING (BITOSUT) COMPLEX	30,000  99,500  OTE: ALL UNF  REAR SWITH GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  18,000  13,285  9,650  30,500  62,390	SF SF INISHED C PERIMETE MMED.  SF	\$213.00 \$213.00 R FINISHED ATTIC R WALLS, MEASU \$233.00 \$240.00 \$233.00 \$0.00 \$0.00 \$196.00 \$215.00 \$222.00 \$330.00 USE SIZE ADJUST TABLE	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (WO CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMINJOPS FACILITY, USE 18,400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  D.S. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 1086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE D.1391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES  30,500 SF IS THE REF. SIZE FOR AIT DFAC. USE SIZE ADJUST FACTOR TO DETERMINE THE UNIT COST FOR THE 2600 PN SEATING AIT DFAC
72010 72111 72112	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TR/FOR EACH FACILITY WITHIN THE COMPLEX WILL BE LREGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  12121 - BARRACKS/ COMPANY (CO) OPS BLD  14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT 72110 - DINING FACILITY - 2 BN, 2600 PN, 1088-SEAT BASIC TRAINEE (BT) & ONE STATION UNIT TRAINING (BITOSUT) COMPLEX	30,000  99,500  OTE: ALL UNF  REAR SWITH GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  18,000  13,285  9,650  30,500  62,390	SF SF INISHED C PERIMETE MMED.  SF	\$213.00 \$213.00 R FINISHED ATTIC R WALLS, MEASU \$233.00 \$240.00 \$233.00 \$0.00 \$0.00 \$196.00 \$215.00 \$222.00 \$330.00 USE SIZE ADJUST TABLE	OPEN SIDES TEMPORARY LODGING FACILITIES  C AREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE 18.400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  DS. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 1086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE 101391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES
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72010 72111 72112	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TR/FOR EACH FACILITY WITHIN THE COMPLEX WILL BE L REGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  72121 - BARRACKS/ COMPANY (CO) OPS BLD  14182 - AIT BATTALION (BN) HQS W/CLASSRMS  14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 722110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT  72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT  BASIC TRAINEE (BT) & ONE STATION UNIT TRAINING (BT/OSUT) COMPLEX A TYPICAL BHOOUT COMPLEX HOUSES APPROX. 1, 2(EACH) A TYPICAL BHOOUT COMPLEX APPROX. 1, 2(EACH) COMPLEX A TYPICAL BLOOUT COMPLEX HOUSES APPROX. 1, 2(EACH) COMPLEX APPROX. 1, 2(EACH) CAMPLEX APPROX. 1, 2(EA	30,000  99,500  OTE: ALL UNF AREAS WITH I GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  13,285  9,650  30,500  62,390  0 TRAINEES (4 MILE ATHLE	SF SF INISHED C PERIMETE MMED.  SF	\$213.00 R FINISHED ATTION R WALLS, MEASU \$233.00 \$240.00 \$240.00 \$235.00 \$0.00 \$0.00 \$196.00 \$215.00 \$222.00 \$330.00 USE SIZE ADJUST TABLE 5 OPEN BAY BARF < (8 LANES), AND GRAMMED UNDER	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE 18,400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  DS. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 6086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE 101391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES  30,500 SF IS THE REF. SIZE FOR AIT DFAC. USE SIZE ADJUST FACTOR TO DETERMINE THE UNIT COST FOR THE 2600 PN SEATING AIT DFAC.  RACK/CO OPS BLDS. @64,680 SF/ BLD), BN HQS, AND A 1-BN DINING CENTRAL ENERGY PLANT, IF NEEDED, SHOULD ALSO BE PROGRAMMED.
72010 72111 72112 72121	BARRACKS (UNACCOMPANIED PERSONNEL HOUSING ENLISTED) - PERMANENT PARTY  DOES NOT INCLUDE FREE STANDING EQUIPMENT. N THE UNDERSIDE OF THE STRUCTURAL SYSTEM AND SCOPE. SOLDIERS COMMUNITY BUILDING IS NO LON  WARRIORS IN TRANSITION COMPLEX (WT)  BARRACKS BLDG, 56 PERSON MODULE  14188 - WT BATTALION HQS (W/O CLASSROOM)  14188 - WT COMPANY HQS BLD  74033 - SOLDIER FAMILY ASSISTANCE CTR, LGE 72210 - DINING, SEATING 251-500 PERSON  ADVANCED INDIVIDUAL TRAINING COMPLEX(AIT)  A TYPICAL AIT COMPLEX HOUSES APPROX. 1,200 TR/FOR EACH FACILITY WITHIN THE COMPLEX WILL BE L REGULAR CAT CODES FOR OTHER BLDGS IN THE AIT WILL NOT BE EXCEED.  72110 - BARRACKS/ COMPANY (CO) OPS BLD 14183 - AIT BATTALION (BN) HOS W/CLASSRMS 14182 - AIT BRIGADE HEADQUARTERS, IF NEEDED 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT 72110 - DINING FACILITY - 1 BN, 1300 PN, 544-SEAT 72110 - DINING FACILITY - 1 BN, 1300 PN, 548-SEAT 72110 - DINING FACILITY - 1 BN, 1300 PN, 1088-SEAT BASIC TRAINEE (BT) & ONE STATION UNIT TRAINING (BT/OSUT) COMPLEX A TYPICAL BT/OSUT COMPLEX HOUSES APPROX. 1, 20 FACILITY. LAWN EQUIPMENT STORAGE (2,000 SF), 1/FOR THE COMPLEX. ALL FUNCTIONAL ELEMENTS OF	30,000  99,500  OTE: ALL UNF  AREAS WITH I GER PROGRA  37,800  8,100  10,300  15,000  18,000  18,000  18,000  13,285  9,650  30,500  62,390  OTRAINEES ( 4 MILA ATHLE F THE COMPLE 323,400	SF S	\$211.00 \$213.00 R FINISHED ATTIC R WALLS, MEASU \$233.00 \$240.00 \$233.00 \$240.00 \$235.00 \$0.00 \$196.00 \$215.00 \$222.00 \$33.00 USE SIZE ADJUST TABLE  5 OPEN BAY BARR ( (8 LANES), AIDS GRAMMED UNDER \$186.00	OPEN SIDES TEMPORARY LODGING FACILITIES  CAREAS WITH AN AVERAGE HEIGHT OF 6'-11" (2100 MM) MEASURED FROM RING A MINIMUM HEIGHT OF 4'-11" (1500 MM), MUST BE COUNTED AS FULL  USE CAT CODE 72112 FOR WT BARRACKS PORTIONS ONLY. FOR OTHER FACILITIES IN THE COMPLEX, USE CC AS SHOWN HERE  USE CAT CODE 72112 FOR WT BARRACKS. USE SIZE ADJUSTMENT TABLE TO DETERMINE UNIT COST FOR 29,680 SF OPTION  USE CAT CODE 14188 FOR WT BATTALION HQ (W/O CLASSROOMS).  USE CAT CODE 14188 FOR WT COMPANY HQS. WHEN WT BN HQS & CO HQS ARE PROGRAMMED & BUILT JOINTLY AS ADMIN/OPS FACILITY, USE 18,400 SF AS THE REFERENCE SIZE FOR THE UNIT PRICE ADJUSTMENT  USE SIZE ADJUSTMENT TABLE TO DETERMINE U/C, IF PROGRAMMED  DS. @92,800 SF/ BLD, BN HQS, AND A 1-BN DINING FACILITY. THE AREA 1086. ONLY AIT BARRACKS HAVE A SEPARATE CAT CODE (72121); USE 101391/ENG3086 ENTRY. THE NORMALIZED U/C FOR EACH FACILITY TYPES  30,500 SF IS THE REF. SIZE FOR AIT DFAC. USE SIZE ADJUST FACTOR TO DETERMINE THE UNIT COST FOR THE 2600 PN SEATING AIT DFAC.  RACK/CO OPS BLDS. @64,680 SF/ BLD), BN HQS, AND A 1-BN DINING CENTRAL ENERGY PLANT, IF NEEDED, SHOULD ALSO BE PROGRAMMED
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APPENDIX A - FACILITY UNIT COST TABLE, PART-1 (Buildings & Major Facilities)

Note - Primary Facilities Unit Costs are based on the most recent 3-year (2005-08) bid results of MCA and BRAC projects, where at least 3-project bids are entered into the Historic Analysis Generator (HAG) database by 15 Nov 08. All bid pricing data were escalated to 1 Oct 2011, the assumed mid-point of construction of a typical FY11 MILCON project, using the inflation factors provided in the Budget Authority section of the OSD memo, dated 13 Feb 09, Subject - Inflation Guidance - FY 2010 President's Budget. Newly updated and/or approved Army Standard Design Unit Costs are provided by the respective Center of Standardization and validated by HQUSACE. The unit cost listed below represents the average of bid data normalized to an Area Cost Factor of 1 for each facility type.

Category I

Category	for each facility type.	Reference/	Unit of	Draft Unit Cost	DEMARK
Codes	Facility Description	Standard Size		(U/C) \$/Unit	REMARK
	DINING EACH ITIES (DEAC)	VADICO	-		
72210	DINING FACILITIES (DFAC)  INCLUDES MCA FUNDED KITCHEN FOUIPMENT & INST	VARIES	STS THE	SIZE AD II ISTMEN	L NT TABLE (Table -A) WILL BE USED TO DETERMINE UNIT COSTS FOR 251-500
12210	PERSON (18,000 SF) & 501-800-PERSON (19,500 SF) DI	NING FACILITY	Y	1	, ,
	DINING FACILITY - SEATING 801-1300 PERSON	26,500	SF	\$344.00	
	DINING FACILITY - BASIC TRAINING/AIT/OUST, 1300 PN, USE CAT CODE 72181 FOR BT/OUST	30,500	SF	\$330.00	30,500 SF IS THE REF. SIZE FOR SIZE ADJUST FACTOR TO DETERMINE THE UNIT COST FOR 2600 PN SEATING (56,000 SF) BT/AIT/OUST DFAC
	DINING FACILITY- OPERATIONAL READINESS TRNG, 720 PN, USE CAT CODE 72212 FOR ORTC DINING	16,960	SF		16,960 SF IS THE REF. SIZE FOR SIZE ADJUST FACTOR TO DETERMINE THE UNIT COST FOR 1428 PN SEATING (20,990 SF) ORTC DFAC
72410	UNACCOMPANIED OFFICERS QUARTERS	44,000	SF	\$231.00	DOES NOT INCLUDE FREE-STANDING KITCHENETTE EQUIPMENT
72412	UNACCOMP. OFFICERS QTRS - TRANSIENT	44,000	SF	\$185.00	
	OPERATIONAL READINESS TRAINING COMPLEX (ORTC)	TRANSIENT 1			NO SEPARATE CAT CODE FOR ORTC, USED CODES FOR TRANSIENT TRNG
	14184 - BATTALION HQ, TRANSIENT TRNG	11,235	SF	\$160.00	
	14186 - COMPANY OPS FAC, TRANSIENT TRNG 14187 - BRIGADE HQ, TRANSIENT TRNG	19,580 10,240	SF SF	\$158.00 \$171.00	
	21406 - VEHICLE MAINT. SHOP, TRANSIENT TRNG	11,855	SF	\$175.00	
	72212 - DINING FACILITY, 720 PN, TRANSIENT TRNG	16,960	SF	\$309.00	
	72212 - DINING FACILITY, 1428 PERSON	20,990	SF	USE SIZE	
	72114 - ENLISTED BARRACKS, TRANSIENT TRNG	30,560	SF	ADJUST TABLE	
	72114 - ENLISTED BARRACKS, TRANSIENT TRNG 72412 - TRANSIENT SN. ENLISTED OFFICERS QTS	22,560	SF	\$161.00 \$186.00	
	44222 - COMPANY SHEDS, ORTC	800	SF	\$76.00	
				·	
	FIRE STATION	8,000	SF	\$257.00	
73010	Consolidated FIRE, SAFETY & SECURITY (FSS) FAC	24 000	er.	¢007.00	
	Consolidated FSS - Satellite (Medium)  Consolidated FSS - HQ	24,000 47,700	SF SF	\$237.00 \$232.00	
	Consolidated 100 - 11g	47,700	- 51	φ232.00	OUE SIZE ADS TABLE FOR OTHER TIQ FOS SIZES
73016	POLICE/LAW ENFORCEMENT (MP) STATION	4,200	SF	\$263.00	
73017	CHAPEL (SEATING CAPACITY UPTO 200 PERSON)	17,900	SF	\$298.00	
	USE SIZE ADJUSTMENT FACTOR, TABLE-1 for OTHER				, , ,
	RELIGIOUS EDUCATION FAC	5,320	•		FOR 10 SMALL GROUPS /55-70 INDIVIDUALS
73018					JLD BE REPORTED SEPARATELY FROM THE WORSHIP SPACE IF BLE-1 for UNIT COST for SMALL (3350 SF) & LARGE (9550 SF) FACILITIES
73019	CHAPEL FAMILY LIFE CENTER (300-450 PERSON)  SPACE FOR FAMILY COUNSELING, PASTORAL EDUCA ADJUSTMENT FACTOR, TABLE-1 for UNIT COST for 200		JNITY BAS		SUPPORT OF THE COMMAND RELIGIOUS PROGRAM. USE SIZE
	DEPENDENT SCHOOLS	00012110011	, ,	171012111	
73046	ELEMENTARY		SF	\$211.00	
73040	JUNIOR HIGH SCHOOL		SF	\$212.00	
	HIGH SCHOOL		SF	\$223.00	
74010	AUDITORIUM, GEN PURPOSE	4,000	SF	\$172.00	
74011	BOWLING CENTER	7,800	SF	\$244.00	
74012	CAFETERIA	5,000	SF	\$212.00	
74014	CHILD DEVELOPMENT CENTER	25,000	SF		THIS CAT CODE IS NO LONGER USED, WILL BE DELETED FROM DA PAM 428-15
74040	CHILD DEVELOPMENT CTR-SCHOOL AGE (6-10 YR)	20,500	SF		NEW CAT CODE, DOES NOT INCLUDE PLAYGROUND
74016	SCHOOL AGE CDC MEDIUM, 20,484 SF, IS THE REFER SF) SF).	ENCE SIZE. US	SE SIZE AL	JJUS IMENT FACT	OR, TABLE-1 for OTHER CDC SIZES: SMALL (13,929 SF) AND LARGE (22,929
74017	CHILD DEVELOPMENT CTR (CDC) UNDER 6 YEARS AGE, 150 to 180 CHILDREN CAPACITY	26,450	SF	\$245.00	CATCODE 75018
		REFERENCE	SIZE. USI	SIZE ADJUSTME	NT FACTOR, TABLE-1 for OTHER SIZES: SMALL (15,850 SF) AND LARGE
7106	(37,300 SF) SF).			<b></b>	
74021 74022	COMMISSARY  SKILL DEVELOPMENT CENTER	85,000	SF SF	\$226.00 \$148.00	NON-AUTOMOTIVE CRAFTS/GENERAL SKILL
74022	CREDIT UNION	22,000 3,000	SF	\$148.00 \$168.00	
74023	SKILL DEVELOPMENT CENTER	15,000	SF	\$141.00	
		-,		Ţ <b>0</b>	
74025	EDUCATION CENTER (10,001-15,000 PERSONS)	23,300			ALSO CALLED ARMY CONTINUING EDUCATION SYSTEM FAC.
-					PN (4,125 SF), 1001-3,000 PN (8,700 SF), 3,001-5,000 PN (13,500 SF), 5,001-36,300 SF), 25,001-30,000 PN (40,500 SF), 30,000-40,000 PN (48,000 SF), AND
	PHYSICAL FITNESS FACILITY (PFF)	65,000	SF	\$191.00	EXCLUDES INDOOR SWIMMING POOL (74042). THIS IS THE REF SIZE
74028				*	
74030	SPORTS PRO SHOP	28,000	SMALL (2)		. (44,347 SF), LARGE (89,448 SF), & X-LARGE (120,125 SF) INCLUDES SNACK BAR, PRO SHOP SALES AREAS
	ARMY COMMUNITY SERVICE CENTER	17,215		\$232.00	
74033	USE SIZE ADJUSTMENT FACTOR, TABLE-1 for OTHER				The second secon
74041	MAIN LIBRARY	12,000	SF	\$245.00	
74047	SERVICE CLUB (ENLISTED OPEN DINING FACILITY)	22,500	SF	\$333.00	CEE 04T00DE 74047
74048	OFFICER OPEN DINING	22,500	SF	Ø4.00.00	SEE CATCODE 74047
74053	MAIN EXCHANGE	80,000	SF	\$166.00	EXCHANGE MAIN RETAIL STORE

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Note - Primary Facilities Unit Costs are based on the most recent 3-year (2005-08) bid results of MCA and BRAC projects, where at least 3-project bids are entered into the Historic Analysis Generator (HAG) database by 15 Nov 08. All bid pricing data were escalated to 1 Oct 2011, the assumed mid-point of construction of a typical FY11 MILCON project, using the inflation factors provided in the Budget Authority section of the OSD memo, dated 13 Feb 09, Subject - Inflation Guidance - FY 2010 President's Budget. Newly updated and/or approved Army Standard Design Unit Costs are provided by the respective Center of Standardization and validated by HQUSACE. The unit cost listed below represents the average of bid data normalized to an Area Cost Factor of 1 for each facility type.

Category I

actor or r r	or cuch rucinty type.				
Category	Facility Description	Reference/	Unit of	Draft Unit Cost	REMARK
Codes		Standard Size	Measure	(U/C) \$/Unit	<del></del>
74056	EXCHANGE SERVICE OUTLET				SEE CATCODE 74053
74066	YOUTH CENTER	19,650	SF	\$242.00	
74068	RECREATION CENTER	20,000	SF	\$242.00	
74070	INDOOR ROLLER SKATING RINK	20,000		\$132.00	
74072	NATATORIUM (INDOOR SWIMMING POOL)	20,000	SF		25 METER SWIMMING POOL (6200 SF WATER AREA) & ANCILLIARY AREAS
74075	RECREATIONAL SUPPORT BUILDING	5,000	SF	\$90.00	ALSO RECREATIONAL EQUIP CHECKOUT
	PLAYGROUND. CHILD DEVELOPMENT CENTER				
	FOR UNDER 6 YRS OF AGE, PRE-SCHOOL				
	SMALL	16,667	SF	\$29.00	
75018	MEDIUM	23,870	SF	\$25.00	COOT OF BLAY AREA INCLUDED FENCE BLAYOROLIND FOLURMENT
75018	LARGE (338 CHILDREN)	38,310	SF	\$20.00	COST OF PLAY AREA INCLUDES FENCE, PLAYGROUND EQUIPMENT, COMPOSITE PLAY STRUCTURES, SYNTHETIC TURF & CONCRETE
	FOR SCHOOL AGE CHILDREN, 6-10 YRS				SURFACES. DOES NOT INCLUDE SITE PREP OR LANDSCAPING.
	SMALL (105 -135 CHILDREN)	47,605	SF	\$25.00	SURFACES. DOES NOT INCLUDE SITE PREP OR LANDSCAPING.
	MEDIUM/LARGE (150 - 225 CHILDREN)	52,105	SF	\$21.00	$\overline{0}$
75022	MULTI-PURPOSE ATHLETICS FIELD	1	EA	\$196,544.00	TURFED AREA EXCLUDES SITE PREP & ELECTRICAL LIGHTING
75030	OUTDOOR SWIMMING POOL	13,000	SF	\$125.00	50 METER WITH CHANGE HOUSE
891XX	PLANT/UTILITIES BLDG		SF	\$167.00	NO PLANT EQUIPMENT
	NO CATEGORY CODE IS AVAILABLE FOR FOLLOWING	ITEMS:			
	FOUNDATIONS, UNUSUAL				
	PILING, TREATED WOOD, 50' L, 12" BUTT		LF	\$33.00	
	PILING, CONCRETE 14" SQUARE		LF	\$50.00	
	PILING, CONCRETE 14 SQUARE	+	LF	\$53.00	
	PILING, CONCRETE 18" DIAMETER		LF		Also called DTAT
				,	
	PILING, STEEL H, 50' LONG, HP12X53		LF	\$41.00	
	PILING, STEEL PIPE 12"D, CONC. FILLED		LF	\$50.00	

CATEGORY		0.14.		UNIT COST	DE1
CODE	<u>ITEM</u>	QUANTITY	<u>UNIT</u>	\$/UNIT	REMARK
111XX	AIRFIELD RUNWAYS				SEE CATCODE 851XX
112XX	AIRFIELD TAXIWAYS				SEE CATCODE 851XX
113XX	AIRFIELD APRONS				SEE CATCODE 851XX
116XX	AIRFIELD PAVING, MISC				SEE CATCODE 851XX
	7				011 0711 0011 00 1711
81150	UNINTERRUPTIBLE POWER SUPPLY (UPS)		KW	\$4,898.00	UTILITY SYSTEM TO ENSURE CONTINUOUS ELECTRIC PWR SUPPLY DURING OUTAGES AND INCLUDES ELECTRIC SYSTEM COMPONENTS (RECTIFIER, CHARGER, BATTERY, INVERTER, ETC
81160	STANDBY GENERATOR	75	KW	\$534.00	
		125	KW	\$383.00	UTILITY SYSTEM TO ENSURE CONTINUOUS ELECTRIC PWR SUPPLY DURING OUTAGES. COST INCLUDES ELECTRIC
		200	KW	\$305.00	SYSTEM COMPONENTS SUCH AS RECTIFIER, CHARGER,
		300	KW	\$260.00	BATTERY, INVERTER, TRANSFER SWITCH ETC)
89111	POWER PLANT BUILDING		SF	\$170.00	STAND ALONE BUILDING TO HOUSE EQUIPMENT AND STATIC SWITCHGEAR NECESSARY TO GENERATE ELECTRIC POWER
81230	EXTERIOR LIGHTING w/ UNDER GROUND DISTRIBUTION		LF	\$33.00	BASED ON WOOD POLE, 1" PVC DIRECT BURIAL CONDUIT, WITH 3' DEEP EXCAVATION, #10 WIRE AND 500 WATT MV LAMINAR FIXTURE
81241	OVERHEAD ELECTRIC LINES				
	MEDIUM TO HEAVY DISTRIBUTION LINES		MI	\$112,120.00	BASED ON WOOD POLES 15 KV TO 69 KV SHORT LINES, WOOD POLE, 3 PH, 4 WIRE
	OVERHEAD W/ WOOD POLES		LF	\$27 - 32.00	BASED ON POLE SPACING 250', WITH 15 KV MAX, 3 PHASE, 4 WIRE
81242	UNDERGRD ELECTRIC LINES				
	DIRECT BURIAL:				COSTS INCL TRENCH, SAND BASE, BACKFILL AND MARKER
	# 1/0		LF	\$18.00	3/C - 600V DB
	# 4/0		LF	\$30.00	3/C - 600V DB
	UG DUCTS:				
	1-WAY-4"		LF	\$23.00	
	2-WAY-4"		LF	\$28.00	TYPE EB, PVC, CONCRETE ENCASED 3" EACH
	4-WAY-4"		LF	\$35.00	WAY, INCLUDES EXCAVATION AND BACKFILL TO 3 FEET DEEP
	6-WAY-6"		LF	\$52.00	
81320	SUBSTATION, LOAD UNINTER. SWITCH 600 AMP		KVA	\$75.00	300 KVA & BELOW W/CLF FUSES. DOES NOT INCL BUILDING (89113)
81360	TRANSFORMERS				PRIMARY DELTA OR Y,277/480 V SECONDARY
	150 KVA		EA	\$12,620.00	
	500 KVA		EA	\$18,880.00	
	1,000 KVA		EA	\$34,100.00	OIL-FILLED, PAD MOUNTED, 3-PHASE
	2,000 KVA		EA	\$50,170.00	
82110	HEAT PLANT COAL-FIRED				
-	STEAM:				
	50 MBTU/H (MILLION BTU/H)		EA	\$4,123,190.00	
	100 MBTU/H		EA	\$7,561,020.00	UTILITY SYSTEM THAT GENERATE HEAT FROM
	150 MBTU/H		EA	\$10,774,790.00	COAL AND INCLUDES FURNACE, BOILERS, WATER SUPPLY, PUMPS, PIPELINES, & FUEL & ASH
		1	EA	\$13,804,120.00	HANDLING FACILITIES.
	200 MBTU/H		<b>–</b> Δ		HANDLING FACILITIES.

CATEGORY	ITEM	QUANTITY	UNIT	UNIT COST	REMARK
CODE			<u>U.111</u>	<u>\$/UNIT</u>	
	HEAT PUMP COAL FIRED (CONT'D)				
	HITEMP WATER:			00.004.400.00	NOUNDED FURNACE, DONE FROM WATER OURREY
	50 MBTU/H		EA	\$3,931,420.00	INCLUDES FURNACE, BOILERS, WATER SUPPLY, PUMPS, PIPELINES, & FUEL & ASH HANDLING
	100 MBTU/H		EA	\$6,312,400.00	FACILITIES
	150 MBTU/H		EA	\$8,417,270.00	
	200 MBTU/H		EA	\$10,774,790.00	
82120	HEAT PLANT OIL-FIRED				
	STEAM:				
	10 MBTU/H		EA	\$744,480.00	
	50 MBTU/H		EA	\$2,557,600.00	
	100 MBTU/H		EA	\$4,898,340.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILITY
	150 MBTU/H		EA	\$7,106,070.00	
	200 MBTU/H		EA	\$8,607,320.00	
	HITEMP WATER:				
	10 MBTU/H		EA	\$672,930.00	
	50 MBTU/H		EA	\$2,375,410.00	
	100 MBTU/H		EA	\$4,432,220.00	INCLUDES PLANT EQUIP & OIL HANDLING FACILITY
	150 MBTU/H		EA	\$6,312,400.00	
	200 MBTU/H		EA	\$8,209,360.00	
82210	STEAM CONDENSATE LINES - UNDERGROUND				STEAM SUPPLY & RETURN LINES, COST INCLUDES INSULATION, FITTINGS, ACCESSORIES, 3 FEET EXCAVATION, BACKFILL AND TESTING
	COMMON CONDUIT:				
	11-1/4"		LF	\$218.00	STM: 2", RET: 1-1/2"
	10"		LF	\$199.00	STM: 1-1/2", RET: 1-1/2"
	10"		LF	\$189.00	STM: 1-1/4", RET: 1"
	10"		LF	\$187.00	STM: 1", RET: 1"
	SINGLE CONDUIT:			,	STEAM OR HITEMP WATER, COST INCLUDES FITTINGS, ACCESSORIES, 3 FT EXCAVATION, BACKFILL AND TESTING
	6"		LF	\$119.00	1-1/4" PIPE
	8"		LF	\$129.00	1-1/2" PIPE
	8"		LF	\$131.00	2" PIPE
	10"		LF	\$157.00	2-1/2" PIPE
	10"		LF	\$168.00	3" PIPE
	11-1/8"		LF	\$203.00	4" PIPE
	15"		LF	\$233.00	6" PIPE
82220	HOT WATER LINES - HIGH TEMPERATURE				HOT WATER SUPPLY & RETURN LINES
	COMMON CONDUIT - UNDERGROUND				INCLUDES FITTINGS, ACCESSORIES, 3 FT EXCAVATION, BACKFILL & TESTING
	12"		LF	\$170.00	HW: 1", RET: 1"
	12-7/8"		LF	\$208.00	HW: 1-1/2", RET: 1-1/2"
	15"		LF	\$256.00	HW: 2", RET: 2"
	18"		LF	\$281.00	HW: 3", RET: 3"
	21"		LF	\$326.00	HW 4:, RET: 4"
82220	STEAM DISTRIBUTION MANHOLE, PREFAB STEEL, 8' X 6' HT		EA	\$17,220.00	VENT, MH VENT, NORMAL PIPING & INSTALLATION CONDUIT, INCL LADDER
82410	GAS PIPE LINES - HEATING GAS TRANSMISSIO	)NI			SEE CHART A
		IIM			SEE CHARLA

CATECORY	-	<u> </u>			
CODE	<u>ITEM</u>	QUANTITY	UNIT	UNIT COST	<u>REMARK</u>
CODE	AID COMPITIONING/PEEDIG BLANT			<u>\$/UNIT</u>	
82610	AIR CONDITIONING/REFRIG PLANT NEW BLDG		TON	\$3,388.00	DOES NOT INCLUDE AIR-CONDITIONING/ REFRIGERATION PLANT, COST INCLUDES
	EXISTING BLDG		TON	\$4,739.00	EQUIPMENT, SUCH AS COMPRESSOR,
				. ,	CONDENSER, PUMPS, VALVES, ONLY
83140	INDUSTRIAL WASTE TREATMENT PLANT		EA	\$1,826,550.00	500,000 GPD , TREATMENT EQUIPMENT ONLY, DOES NOT INCLUDE A BUILDING TO HOUSE THE EQUIPMENT
83150	SEWAGE LIFT STATION		EA	\$210,400.00	1,000 GPM; EQUIPMENT ONLY, DOES NOT INCLUDE A BUILDING TO HOUSE THE EQUIPMENT
83210	SANITARY SEWER				SEE CHART A
83210	SANITARY SEWER MANHOLES:				MANHOLE, 4 FT ID, INCLUDES FOOTING, EXCAVATION & BACKFILL, 24" DIA COVER & FRAME
	CONCRETE, CAST-IN-PLACE				
	UP TO 8' DEEP		VLF	\$570.00	
	OVER 8' DEEP		VLF	\$610.00	
	CONCRETE, PRECAST:				
	UP TO 8' DEEP		VLF	\$393.00	
	OVER 8' DEEP		VLF	\$431.00	
832XX	MISC:				
	CATCH BASINS		EA	\$2,619.00	4 FT DEEP
	CATCH BASINS		EA	\$3,039.00	6 FT DEEP
	CURB INLETS		EA	\$618.00	GUTTERMOUTH
83310	INCINERATOR		EA	\$49,940.00	200 LB PER HR PER UNIT (EQUIPMENT ONLY,
					BUILDING NOT INCLUDED)
84210	WATER DISTRIBUTION LINES				SEE CHART A
84472	WATER PUMP STATION, NONPOTABLE				<u></u>
01.1.2	500 GPM		EA	\$76,560.00	
	1,000 GPM		EA	\$101,630.00	EQUIPMENT ONLY, INCLUDES PUMPS, VALVES,
	2,000 GPM		EA	\$114,290.00	AUTO CONTROLS, FILLINGS & ACCESSORIES, COMPLETE W/ INSTALLATION COSTS, DOES NOT
	2,500 GPM		EA	\$117,660.00	INCLUDE A BUILDING TO HOUSE THE EQUIPMENT
84610	WATER STORAGE TANK				
	ELEVATED WATER STG TANK				
	50,000 GA		EA	\$381,690.00	
	100,000 GA		EA	\$478,810.00	
	150,000 GA		EA	\$573,670.00	INCLUDES STEEL STORAGE TANK STANDPIIPE,
	250,000 GA		EA	\$660,620.00	125 FEET HIGH TOWER, VALVES AND STD FOUNDATIONS, BUT DOES NOT INCLUDE
	500,000 GA		EA	\$1,062,630.00	PUMPHOUSE BUILDING
	750,000 GA		EA	\$1,467,920.00	
	1,000,000 GA		EA	\$1,865,630.00	
	GROUND STG TANK (WATER)				
	100,000 GA		EA	\$264,280.00	
	250,000 GA		EA	\$438,150.00	
	500,000 GA		EA	\$539,750.00	INCLUDES CONCRETE TANK AND STD FOUNDATIONS. BUT DOES NOT INCLUDE
	1,000,000 GA		EA	\$724,970.00	EXTERNAL PIPING AND PUMPING
	2,000,000 GA		EA	\$1,044,540.00	
	4,000,000 GA		EA	\$1,652,250.00	

CATEGORY				UNIT COST	
CODE	<u>ITEM</u>	QUANTITY	<u>UNIT</u>	\$/UNIT	REMARK
84620	RESERVOIR, POTABLE			<u> </u>	
	250,000 GA		EA	\$426,830.00	INCLUDES 6" CONCRETE FLOOR SLAB, ORDINARY
	500,000 GA		EA	\$569,190.00	EXCAVATION AND PUMPING WITHIN
	1,000,000 GA		EA	\$785,920.00	
	2,000,000 GA		EA	\$1,208,090.00	
	4,000,000 GA		EA	\$1,985,360.00	
851XX	ROADS/ PAVEMENTS				INCLUDE DRIVEWAYS, EXCLUDES VEHICLE PARKING, EARTHWORK (CUT & FILL, CATCODE 93410, COST NOT INCLUDED)
	ASPHALT CONCRETE SURFACE				
	1-1/2"		SY	\$5.20	FOR DAVEMENT ONLY A/C CUREACE LIBRAN
	2"		SY	\$6.80	FOR PAVEMENT ONLY, A/C SURFACE, URBAN AREA
	3"		SY	\$9.90	, <u>-</u>
	CONCRETE SURFACE - NON REINFORCED				
	6"		SY	\$32.00	
	8"		SY	\$44.00	12 FEET PASS FIXED FORM, JOINTS, FINISHING,
	10"		SY	\$51.00	CURING, URBAN AREA
	12"		SY	\$59.00	
	BASE COURSE (CRUSHED STONES), THICKNE	SS:			
	4"		SY	\$7.10	
	6"		SY	\$10.00	INCLUDES MATERIAL, EQUIPMENT & COMPACTION
	8"		SY	\$13.00	INCLUDES MATERIAL, EQUIFMENT & COMPACTION
	12"		SY	\$20.00	
	BASE COURSE (BANK RUN GRAVEL), THICKNE	SS:			INCLUDES MATERIAL, TRANSPORT & PLACEMENT
	6"		SY	\$5.50	
	9"		SY	\$8.20	
	12"		SY	\$11.00	
	BASE COURSE (BITUM. CONCRETE) THICKNES	SS:			
	4"		SY	\$12.00	
	6"		SY	\$18.00	
	8"		SY	\$23.00	
	10"		SY	\$30.00	
	6" x 8" CURB/GUTTER (CONCRETE)		LF	\$17.00	INCLUDES CURB & GUTTER AND STEEL FORMS
852XX	SIDEWALK & OTHER PAVEMENTS				INCLUDES VEHICLE PARKING AREAS, PEDESTRIAN WALKWAYS, ETC. SEE CATCODE 851XX FOR DRIVEWAYS & ROADS
85220	SIDEWALKS & WALKWAYS				
	4" CONCRETE CAST IN PLACE, NO BASE		SF	\$4.50	INCLUDES OF ADING & FORMING
	2-1/2" ASPHALT CONCRETE		SF	\$2.10	INCLUDES GRADING & FORMING
86010	RAILROAD TRACKS W/TIES AND BALLAST		LF	\$322.40	STANDARD GAUGE RAILROAD, STEEL TIES IN CONC W/ 100# RAIL, FASTNERS & PLATES COMPLETE. PARALLEL TRACKS COUNTED SEPARATELY
87110	STORM SEWER		LF		SEE CHART A
87210	FENCING & WALLS				
	CHAIN LINK:				9 GAUGE GALVANIZED STEEL
	6 FT HIGH		LF	\$20.00	TYPE A (9 GA) INCLUDES 3 STRAND BARBED WIRE
	8 FT HIGH		LF	\$24.00	
	10 FT HIGH		LF	\$29.00	

CATEGORY	/ - ITEM	QUANTITY	UNIT	UNIT COST	REMARK
CODE		QOAITITT	0111	<u>\$/UNIT</u>	INLIVIANIX
87250	ENTRANCE GATES				
	4' WIDE, SINGLE SWING, 6' HIGH W/ GATE POS		EA	\$327.00	
	12' WIDE, SINGLE SWING, 6' HIGH W/ GATE PO	OSTS	EA	\$902.00	, , , , , ,
	24' WIDE, SWING GATE - DOUBLE, 6' HIGH		EA	\$1,576.00	FOR MOTOR OPERATED (SWING) ADD \$3,150
	36' WIDE, SLIDING GATE - DOUBLE, 8' HIGH		EA	\$2,168.00	FOR MOTOR OPERATED (SLIDE) ADD \$4,410
88110	AUTOMATIC WATER SPRINKLER SYSTEMS (2,000 SF, PROTECTED AREA ONLY, INCL				
	WET PIPE		SF	\$4.30	
	DRY PIPE		SF	\$4.80	
	DELUGE		SF	\$6.40	VALVE, PUMPING ELEVATED WATER STG, &
89240	FIRE HYDRANTS, STANDARD 6' DEPTH		EA	\$3,231.00	INCL EXCAVATION & BACKFILL, 4-1/2" CUTOFF VALVE, PIPING & CONNECTION TO MAIN LINE
93210	SITE CLEARING & GRADING				
	SITE CLEARING & GRUBBING		AC	\$4,198.00	CLEAR & GRUB MEDIUM WOODED AREA, GRUB & REMOVE STUMPS & HAUL
	SITE CLEARING, MEDIUM		SY	\$0.60	SUNDRY SURFACE ITEM CLEARING EXCL. WOOD & PAVING
	GRADING:				
	ROUGH - LARGE OPEN AREA		SY	\$2.70	AVG 2' C/F, SPREAD DUMP FILL, NO COMPACTION
	FINE		SY	\$1.40	,
	BORROW, UNCLASSIFIED MATERIAL		CY	\$18.00	BUY, LOAD AT PIT, UPTO 5-MILE RT HAUL, & SPREAD W/ DOZER
93220	LANDSCAPE AND PLANTING				
	TOPSOIL:				
	HAUL & SPREAD		CY	\$21.00	INCLUDES MATERIAL, TRANSPORT & PLACEMEN
	STRIP/STOCKPILE		SY	\$1.60	6" DEEP
	MULCHING:				
	WOOD CHIPS		SY	\$2.70	2" DEEP
	GRASS:				
	SEEDING		SY	\$0.80	HYD W/FERTILIZER
	SODDING		SY	\$6.90	1" DEEP BLUE GRASS
93310	DEMOLITION W/ DISPOSAL				
	BUILDING: 10,000 SF, 10' EAVE HEIGHT, 25 MILES HAUL, NO DISPOSAL (DUMP) FEE INCLUDED. RECYCLE WILL REDUCE DISPOSAL COST:	WORK IT	EM SHOU		OSAL NOT INCLUDED. COST ESTIMATE FOR THIS I SITE SURVEY/EVALUATION AND LOCAL IENTIFIED.
	CONCRETE STRUCTURE		PER BLDG SF	\$5.60	FOUNDATION REMOVAL OR VALUE OF RECOVERED CONCRETE AGGREEGATE FOR US AS ENGINEERED BACKFILL NOT INCLUDED
	STEEL FRAME BUILDING		PER BLDG SF	\$4.30	FOUNDATION REMOVAL OR SALVAGE VALUE CREDIT FOR STEEL MEMBERS AND STEEL SCRA NOT INCLUDED
	MASONRY BLDG		PER BLDG SF	\$4.80	FOR SIMPLE CONCRETE BLOCK CONSTRUCTION NO FOUNDATION
	WOOD FRAME		PER BLDG	\$3.60	FOR POST AND BEAM OR STUD WALL
	CONCRETE SLAB 6" THICK (IF SEPARATE FROM BLDG)		SF	\$2.30	6 INCH THICK WITH TURNED DOWN FOOTING
	BUILDING INTERIOR		SF		NOT REQUIRED FOR CONVENTIONAL DEMOLITION
	LEAD BASED PAINT (LPB) REMOVAL/DISPOSAL		N/A	\$0.00	
	IN COMPLIANCE WITH EM 385-1-1. UNLESS (INSTALLATION LANDFILL.		RESTRI		
	CONCRETE PAVEMENT, UPTO 4" THICK		SY	\$16.00	•
	BITUMINOUS PAVEMENT, 2" THICK		SY	15.00	\$1.25/SF, INCLUDES 2" GRAVEL

CODE	ITEM	QUANTITY	UNIT	UNIT COST	REMARK				
		<u> </u>	OIT	<u>\$/UNIT</u>	<u>IXEMPUXIX</u>				
93410	CUT AND FILL								
	EARTH:								
	CUT & FILL, 200 HP DOZER, 300 FT HAUL		CY	\$8.20	COMMON EARTH FILL & SPREAD				
	EXCAVATION, BULK DOZER		CY	\$8.80	COMMON EARTH, HAULING 2 MILE ROUND TRIP				
	EXCAVATION, TRENCH-MACHINE		CY	\$6.00	4 FT DEEP, 2 FT WIDE, MEDIUM SOIL				
	EXCAVATION TRENCH-HAND		CY	\$46.00	2 TO 6 FT DEEP, MEDIUM SOIL				
	BACKFILL-MACHINE		CY	\$7.00	INCLUDES COMPACTION				
	BACKFILL-HAND		CY	\$34.00	INCLUDES COMPACTION				
	ROCK:								
	EXCAVATION ROCK, HARD		CY	\$89.00	DRILL BLAST BY MACHINE				
	EXCAVATION SHALE, MEDIUM		CY	\$48.00	RIPPER DOZER AND LOAD				
	EXCAVATION ROCK TRENCH-HAND		CY	\$149.00	BY HAND /AIR TOOL				
88040	AT/FP VEHICULAR BARRICADES								
	Barrier Standards								
	SD-STD-02.01 specifies perpendicular ban "K" indicates the Dept of State certified ba "L" indicates the test vehicle's distance of	rrier's maxi	mum vel	nicle impact spen pact with barrie	ed rating				
	<b>K12</b> = 50 mph (880 kph) <b>K8</b> = 40 mph (65 kph)	L3 = 3 ft. (915 mm) L2 = 3 ft. to 20 ft. (915 mm to 6.1 m) L1 = 20 ft. to 50 ft. (6.1 m to 15.3 m)							
	K4 = 30 mph (48 kph)  Note: Electrical connection costs are only incl separately. All active fixed barriers with a rem	•		rom the unit. Add	litional electrical power requirements to be added				
	Note: Electrical connection costs are only incl	•		rom the unit. Add	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a rem	•	EA	rom the unit. Add ude costs for bari \$25,540.00	litional electrical power requirements to be added rier installation, safety loo				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a rem	•	anel incl	rom the unit. Add ude costs for bar	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a rem-	•	EA	rom the unit. Add ude costs for bari \$25,540.00	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remove the separately. PORTABLE BEAM BARRICADE  PORTABLE HYDRAULIC BARRICADE	•	EA EA	\$25,540.00 \$35,750.00	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remarkable beam barricade  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE	•	EA EA EA	\$25,540.00 \$35,750.00 \$3,064.00	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG  24" HIGH, 9' LONG, REMOTE CONTROL PANEL K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remarkable beam barricade  PORTABLE BEAM BARRICADE  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE  WEDGE BARRICADE	•	EA EA EA	\$25,540.00 \$35,750.00 \$3,064.00 \$55,740.00	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG 24" HIGH, 9' LONG, REMOTE CONTROL PANEL  K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 63 MPH				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remove the portable beam barricade  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE  WEDGE BARRICADE  WEDGE BARRICADE	•	EA EA EA EA EA	\$25,540.00 \$35,750.00 \$3,064.00 \$55,740.00 \$61,290.00	Ilitional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG  24" HIGH, 9' LONG, REMOTE CONTROL PANEL K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remarkable portable beam barricade  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE  WEDGE BARRICADE  WEDGE BARRICADE  HYDRAULIC RISING ROAD PLATE	•	EA EA EA EA EA EA	\$25,540.00 \$35,750.00 \$3,064.00 \$55,740.00 \$61,290.00	litional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG  24" HIGH, 9' LONG, REMOTE CONTROL PANEL  K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 63 MPH  K12/L2 RATED, 9' WIDE X 3'-2" HIGH, STOPS				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remarkable. PORTABLE BEAM BARRICADE  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE  WEDGE BARRICADE  HYDRAULIC RISING ROAD PLATE  HYDRAULIC WEDGE	•	EA EA EA EA	\$25,540.00 \$35,750.00 \$35,740.00 \$55,740.00 \$56,170.00	RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG  24" HIGH, 9' LONG, REMOTE CONTROL PANEL K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 63 MPH  K12/L2 RATED, 9' WIDE X 3'-2" HIGH, STOPS VEHICLE AT 50 MPH, ZERO PENETRATION  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 10' LENGTH, 1' THICK STEEL PLATE, STOPS 6,000				
	Note: Electrical connection costs are only incl separately. All active fixed barriers with a remarkable. PORTABLE BEAM BARRICADE  PORTABLE HYDRAULIC BARRICADE  PORTABLE HEDGEHOG BARRICADE  WEDGE BARRICADE  WEDGE BARRICADE  HYDRAULIC RISING ROAD PLATE  HYDRAULIC RISING ROAD PLATE	•	EA EA EA EA EA EA EA	\$25,540.00 \$35,750.00 \$35,750.00 \$35,740.00 \$55,740.00 \$56,170.00 \$71,500.00	Ilitional electrical power requirements to be added rier installation, safety loo  RATED K4/L2, NO FDN REQUIRED, MOVE WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  TRANSPORTABLE RISING ROAD PLATE BARRICADE, SET UP WITH FORKLIFT, STOPS 15,000 LB VEHICLE AT 30 MPH  BARRICADE MADE OF PAINTED STRUCTURAL STEEL, REMOVABLE PNEUMATIC TIRES AND TOW BAR, 12' LONG  24" HIGH, 9' LONG, REMOTE CONTROL PANEL K4/L2 RATED, 30" HIGH, 9' LONG, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 12' LENGTH, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 63 MPH  K12/L2 RATED, 9' WIDE X 3'-2" HIGH, STOPS VEHICLE AT 50 MPH, ZERO PENETRATION  PLATE RISES TO 18" HIGH, SURFACE MOUNTED, 10' LENGTH, 1' THICK STEEL PLATE, STOPS 6,000 LB VEHICLE AT 40 MPH  K12/L2 RATED, PLATE RISES TO 39" HIGH, SURFACE MOUNTED, REMOTE CONTROL PANEL,				

CATEGORY				UNIT COST	
CODE	<u>ITEM</u>	QUANTITY	<u>UNIT</u>	<u>\$/UNIT</u>	<u>REMARK</u>
	POP-UP BOLLARD SYSTEM		EA	\$51,210.00	K4/L2 RATED, HYDRAULIC OR PNEUMATIC, SET OF THREE BOLLARDS, 13.25" DIA, 35" HIGH
	POP-UP BOLLARD SYSTEM		EA	\$53,250.00	K12/L2 RATED, HYDRAULIC, REMOTE CONTROL PANEL, 35" HIGH, 15.25" DIA, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 50 MPH, ADD \$10,000 FOR EACH ADDL BOLLARD UP TO FIVE ADDL
	POP-UP BOLLARD SYSTEM		EA	\$51,210.00	HYDRAULIC, SET OF THREE BOLLARDS, 8.63" DIA, 24" HIGH, REMOTE CONTROL PANEL, ADD \$5,000 FOR EACH ADDL BOLLARD UP TO SEVEN ADDL
	POP-UP BOLLARD SYSTEM		EA	\$66,550.00	K4/L2 RATED, HYDRAULIC, SET OF THREE BOLLARDS, 13.25" DIA, 35" HIGH, REMOTE CONTROL PANEL, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 30 MPH
	POP-UP BOLLARD SYSTEM		EA	\$61,450.00	K8/L2 RATED, HYDRAULIC, SET OF THREE BOLLARDS, 12.25" DIA, 35" HIGH, REMOTE CONTROL PANEL, STOP-GO SIGNAL ARMS AND LIGHTS, SUMP PUMPS, STOPS 15,000 LB VEHICLE AT 40 MPH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$5,121.00	K4/L2 RATED, COUNTER BALANCED MANUAL LIFT, 10.75" DIA, 30" HIGH
	MANUAL POP-UP BOLLARD SYSTEM		EA	\$4,096.00	24" HIGH, STOPS 10,000 LB VEHICLE AT 48 MPH AND STOPS 13,200 LB VEHICLE AT 38 MPH
	CRASH BEAM BARRICADE		EA	\$46,080.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, REMOTE CONTROL PANEL, STOPS 15,000 LB VEHICLE AT 30 MPH
	CRASH CABLE BEAM BARRICADE SWING GATE, MANUALLY OPERATED		EA	\$12,280.00	K4/L2 RATED, MANUAL HORIZONTAL SWING CRASH BEAM BARRIER, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPH
	CABLE BEAM BARRICADE, HYDRAULIC		EA	\$40,960.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 10,000 LB VEHICLE AT 15 MPH
	CRASH BEAM BARRICADE, HYDRAULIC		EA	\$51,210.00	K4/L2 RATED, HYDRAULIC, CONCRETE BOLLARD MOUNTED, STOPS 15,000 LB VEHICLE AT 30 MPH
	SLIDING LINEAR CRASH GATE		EA	\$63,490.00	K4/L2 RATED, 9' HIGH x 12' WIDE CLEAR OPENING GATE WITH GROUND TRACK, LINEAR GATE OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS, STOPS 15,000 LB VEHICLE AT 50 M\PH
	MANUAL CRASH SWING GATE		EA	\$15,360.00	9' HIGH x 12' WIDE CLEAR OPENING GATE
	HYDRAULIC ROLLING CRASH GATE		EA	\$49,150.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATE LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GATE LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK AND PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS
	SLIDING CANTILEVER CRASH GATE		EA	\$54,270.00	9' HIGH x 12' WIDE CLEAR OPENING GATE, GATE LEAF LINEAR SLIDE ASSEMBLY, DRIVE SIDE GATE LEAF SUPPORTS AND GUIDES, LINEAR GATE OPERATOR, HYDRUALIC PUMP DRIVEN RACK AND PINION OPERATOR, REMOTE CONTROL PANEL, STOP-GO SIGNAL LIGHTS. THIS GATE DOES NOT NEED T
	PASSIVE VEHICLE BARRIER, SURFACE MOUNTED SABRE TOOTH CONTROLLER		EA	\$615.00	SURFACE MOUNTED TIRE SPIKES, 3' WIDE, MANUALLY OPERATED

## UNIT COSTS for ARMY FACILITIES PAX Newsletter 3.2.2, 20 Mar 09

## **CHART A**

	PVC U/C 2009		SIZE in	Notes	BLACK STEEL U/C		SIZE in
		UNIT	INCHES		2009	UNIT	INCHES
	\$6.70	LF	1		\$12.70	LF	1
	\$10.20	LF	2		\$18.40	LF	2
	\$13.40	LF	3		\$22.80	LF	3
	\$20.30	LF	4	BLACK STEEL,	\$28.00	LF	4
	\$26.40	LF	6	SCHEDULE 40,	\$34.50	LF	6
	\$33.20	LF	10	WELDED	\$75.30	LF	10
					\$107.60 \$141.90	LF LF	12 18
					\$240.80	LF	24
	HDPE U/C 2009	UNIT	SIZE in INCHES		CORRUGATED METAL U/C 2009	UNIT	SIZE in INCHES
	\$8.50	LF	4				j
	\$14.30	LF	6		\$11.60	LF	6
	\$20.70	LF	10		\$18.00	LF	10
	\$30.90	LF	12	CORRUGATED	\$21.40	LF	12
	\$52.20	<u>LF</u> LF	18 24	METAL PIPING	\$30.20	<u>LF</u> LF	18 24
	\$85.20	LF	24		\$50.30 \$83.10	LF LF	36
					\$210.40	LF	60
	CONCRETE		SIZE in		DUCTILE IRON U/C		SIZE in
REINF	PLAIN	UNIT	INCHES		2009	UNIT	INCHES
IVE.IIVI	LAM						
					\$21.30	LF	4
					\$24.30	LF	6
				DUCTILE IRON	\$42.70	LF	10
	\$16.20	<u>LF</u>	6	PIPING	\$54.40	LF	12
\$27.2	\$18.90 \$21.00	LF LF	10 12		\$95.40 \$128.40	LF LF	18 24
\$38.5	\$33.30	LF	18		\$120.40	LF	24
\$49.8	\$38.50	LF	24				t
\$126.8	·	LF	36				
\$197.7		LF	60				
	VITRIFIED C STANDARD	UNIT	SIZE in		DEINIEGROER	LINUT	0175 :-
RENGTH 0		UNII	INCHES		REINFORCED PLASTIC U/C	UNIT	SIZE in INCHES
					\$11.00	LF	3
					\$11.00	LF	4
\$9.3	\$8.10	LF	4	REINFORCED	\$24.20	LF	6
\$12.4	\$11.30	LF	6	PLASTIC PIPING	\$55.00	LF	10
\$23.1	\$19.90	LF	10		\$67.40	LF	12
	\$23.70	LF	12	_			
\$26.2							
\$62.9	\$51.60	LF	18				
		LF LF	18 24 36				

### Notes

- 1. Corrugated metal piping, galvanized 16 gage upto 18", 14 gage for 24", and 12 gage upto 60"
- 2. Ductile iron, cement lined, class 50 water pipe, 18" in length, and mechanical joint
- 3. Reinforced plastic, fiberglass reinforced, plain end pipe
- 4. PVC, schedule 40, class 150 pipe
- 5. Cost includes furnishing and installing pipes only; trenching, bedding, backfilling & compaction must be added
- 6. For cathodic protection, if required, add 14% of total piping cost

## UNIT COSTS for ARMY Facilities PAX Newsletter 3.2.2, 20 Mar 09

## CHART B

## SOLAR ENERGY SYSTEM COST ESTIMATING \*

**No Current Cost Data Available** 

BUIL	.DING AREA ** (SQ. FT.)	SOLAR SYSTEM COST (
UP TO	15000.00	
15001	50000.00	
50001	AND LARGER	

<sup>\*</sup> Include solar collection panels, water supply, pumps, pipelines and expansion tank

<sup>\*\*</sup> Include only heated and/or cooled portions of facilities.

<sup>\*\*\*</sup>Resulting dollar figure rounded up to next thousand dollar figure.

## UNIT COSTS for ARMY FACILITIES PAX Newsletter 3.2.2, dated 20 Mar 09

## CHART C, METRIC/ENGLISH SYSTEMS

QUANTITY	FROM	MULTIPLY BY	TO OBTAIN
LENGTH	inch	25.400000	millimeter
	foot	0.304800	meter
	yard	0.914400	meter
	mile (U.S. Status)	1.609344	kilometer
	millimeter	0.039370	inch
	meter	3.280840	foot
	meter	1.093613	yard
	kilometer	0.621370	mile
AREA	square inch	645.160300	square millimeter
	square foot	0.092903	square meter
	square yard	0.836127	square meter
	square mile	2.589998	square kilometer
	acre	4046.873000	square meter
	acre	0.404687	hectare
		0.101007	Hookaro
	square millimeter	0.001550	square inch
	square meter	10.763910	square foot
	square meter	1.195990	square yard
	square kilometer	0.386101	square mile
	square meter	0.000247	acre
	hectare	2.471044	acre
/OLUME	cubic inch	16387.060000	cubic millimeter
	cubic foot	0.028316	cubic meter
	cubic yard	0.764555	cubic meter
	gallon (U.S. liquid)	3.785412	liter
	quart (U.S. liquid)	0.946353	liter
	cubic millimeter	0.000061	cubic inch
	cubic meter	35.314662	cubic foot
	cubic meter	1.307951	cubic yard
	liter	0.264172	gallon
	liter	1.056688	quart
MASS	ounce (avoirdupois)	28.349520	gram
	pound (avoirdupois)	0.453592	kilogram
	short ton	907.185000	kilogram
	gram	0.035273	ounce
	kilogram	2.204622	pound
	kilogram	0.001102	short ton
	Mogram	0.001102	OHOIC COIT
NERGY, H			
AND WORK	kilowatthour	3.600000	megajoule
	btu	1.055056	kilojoule
	horsepower hour	2.684520	megajoule
	megajoule	0.277780	kilowatthour
_	kilojoule	0.947817	btu
	megajoule	0.372506	horsepower hour
POWER	ton (refrigeration)	3.517000	kw
OWER	btu/s	1.055056	kw kw
	hp (electric)	745.700000	W
	btu/h	0.293071	W
	kw	0.284333	ton (refrigeration)
	kw	0.947817	btu/s
	W	0.001341	hp (electric)
	W	3.412141	btu/h

## UNIT COSTS for the ARMY FACILITIES - MILITARY CONSTRUCTION PROGRAM PAX NEWSLETTER 3.2.2, dated 20 Mar 09

# APPENDIX-C To UFC 3-700-01A TRI-SERVICE MILITARY CONSTRUCTION PROGRAM (MCP) INDEX F0R FY 2009 THRU FY 2014 PROGRAMS

FISCAL <u>YEAR (FY</u>	<u>DATES</u>	INDEX	ESCALATION PERCENTAGE FOR FISCAL YEAR
FY 2008	1-Oct- 2007	 2406	
	1-Jan- 2008	 2419	FY 08
	1-Apr- 2008	 2430	
	1-Jul- 2008	 2442	2.0%
FY 2009	1-Oct- 2008	 2454	
	1-Jan- 2009	 2463	FY 09
	1-Apr- 2009	 2471	
	1-Jul- 2009	 2480	1.4%
FY 2010	1-Oct- 2009	 2488	
	1-Jan- 2010	 2495	FY10
	1-Apr- 2010	 2501	
	1-Jul- 2010	 2507	1.0%
FY 2011	1-Oct- 2010	 2513	
	1-Jan- 2011	 2524	FY 11
	1-Apr- 2011	 2535	
	1-Jul- 2011	 2546	1.7%
FY 2012	1-Oct- 2011	 2556	
	1-Jan- 2012	 2568	FY 12
	1-Apr- 2012	 2579	
	1-Jul- 2012	 2591	1.8%
FY 2013	1-Oct- 2012	 2602	
	1-Jan- 2013	 2614	FY 13
	1-Apr- 2013	 2626	
	1-Jul- 2013	 2638	1.8%
FY 2014	1-Oct- 2013	 2649	
	1-Jan- 2014	 2661	FY 14
	1-Apr- 2014	 2673	
	1-Jul- 2014	 2685	1.8%
FY 2015	1-Oct- 2014	 2697	

## **Notes**

- 1. Use 1.8% per fiscal year for projection beyond FY 2015
- 2. Tri-Service MCP Index 1000 = 1 October 1979 ENR Historical Building Cost Index
- 3. The MCP indexes after 1 Oct 2008 were derived based on the Price Escalation Indices (Annual Rates in Percentages) for Budget Authority published in the Memorandum, dated 13 February 2009, from the Under Secretary of Defense (Comptroller), Subject: Inflation Guidance Fiscal Year FY2010 President's Budget.
- 4. This revised index table supersedes the MCP index table published as Appendix-C to PAX Newsletter 3.2.2, dated 11 February 2008

## UNIT COSTS for ARMY FACILITIES PAX Newsletter 3.2.2, dated 20 Mar 09

## TABLE I - SIZE ADJUSTMENT FACTORS

PART I - BUILDING (OTHER THAN BARRACKS & FAMILY HOUSING)

SIZE RATIO	ADJUST FACTOR	SIZE ADJUST RATIO FACTOR	SIZE ADJUST RATIO FACTOR	SIZE ADJUST RATIO FACTOR
< 0.05 0.0500	1.2750 1.2750	0.9000 1.0110 0.9500 1.0050	1.8000 0.9490 1.8500 0.9470	2.7000 0.9250 2.7500 0.9240
0.0300	1.2690	1.0000 1.0000	1.9000 0.9470	2.8000 0.9240
0.1500	1.2320	1.0500 0.9950	1.9500 0.9430	2.8500 0.9230
0.2000	1.2020	1.1000 0.9900	2.0000 0.9420	2.9000 0.9220
0.2500	1.1750	1.1500 0.9860	2.0500 0.9400	2.9500 0.9210
0.3000	1.1520	1.2000 0.9820	2.1000 0.9390	3.0000 0.9210
0.3500	1.1320	1.2500 0.9780	2.1500 0.9370	3.0500 0.9200
0.4000	1.1140	1.3000 0.9740	2.2000 0.9360	>3.05 0.9200
0.4500	1.0980	1.3500 0.9710	2.2500 0.9350	
0.5000	1.0840	1.4000 0.9680	2.3000 0.9330	
0.5500	1.0720	1.4500 0.9650	2.3500 0.9320	
0.6000	1.0600	1.5000 0.9620	2.4000 0.9310	
0.6500	1.0500	1.5500 0.9600	2.4500 0.9300	
0.7000	1.0410	1.6000 0.9570	2.5000 0.9290	
0.7500	1.0330	1.6500 0.9550	2.5500 0.9280	
0.8000	1.0250	1.7000 0.9530	2.6000 0.9270	
0.8500	1.0180	1.7500 0.9510	2.6500 0.9260	

NOTE: Size ratio is determined by dividing the proposed building size by the average size shown in Part I of Appendix A. To determine the size adjustment factor, use the closest size ratio from above table.

PART II - PROJECT SIZE ADJUSTMENTS FOR BARRACKS/FAMILY HOUSING

MILITARY HOUS PROJEC ADJUST FACT	SING CT SIZE CMENT	BARRA DORMIT PROJEC ADJUST FACT	TORIES TORIES TORIES TORIES TORIES
NUMBER OF UNITS in	PROJECT SIZE	NUMBER OF ROOMS	PROJECT SIZE
the project	FACTOR	in the project	FACTOR
1-9	1.25	1-99	1.07
10-19	1.15	100-149	1.03
20-49	1.10	150-199	1.00
50-99	1.04	200-299	0.97
100-199	1.00	300+	0.95
200-299	0.93		
300+	0.90		