TECHNICAL MANUAL

ARMY FACILITIES COMPONENTS SYSTEM-PLANNING (TROPICAL)

HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 1986

TECHNICAL MANUAL
No. 5 - 301-4

DEPHEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 27 June 1986

ARMY FACILITIES COMPONENTS SYSTEM-PLANNING (TROPICAL)

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***This manual supersedes TM 5-301-2, 1 March 1982.**

CHAPTER 1
INTRODUCTION

1-1. Purpose

The purpose of this manual is to provide material costs, logistical, and engineering data for use in planning construction support for Army functions in the Theater of Operations (TO). The manual is part of the Army Facilities Components System (AFCS), and it is intended to use by:

a. Contingency, base development, construction, and logistical planners. When data are used in base development planning, the user is advised to refer to FM 31-82, Base Development Planning.

b. Construction units, because it contains the engineering data required for construction of the various structures, facilities, installations, and utilities required by the Army and Air Force to support military missions in the TO.

c. Logistical commands and supply agencies in requisitioning, identifying items, costing, and other related supply functions.

1-2. Scope

This manual contains summary listings of installations (generally referred to as planning tables), facilities and Prepackaged Expendable Contingency Supplies (PECS). The manual is divided into four volumes, one for each of the climatic zones in the AFCS. The summaries include cost, shipping weight, and volume of construction material. In addition, man-hour estimates to construct each facility and installation, minimum real estate requirements for installations, and the utility requirements for facilities and installations are included in this manual.

1-3. Related Publications

The AFCS consists of a series of four Department of the Army Technical Manuals. This manual (series is published in four volumes, one for each climatic zone), plus three accompanying publications indicated as follows: a. TM 5302, "Army Facilities Components System-Designs." This multi-volume manual contains installation layouts, facility drawings, construction details and materials lists for the AFCS. The manual is of primary interest to the construction unit performing actual construction of Army components in theaters of operations.

b. TM 5-303, "Army Facilities Components System-Logistic Data and Bills of Materials." This manual is used by planners, builders and suppliers in the identification of items in the bills of materials associated with specific facilities. Each item in a facility is identified by a National Stock Number (NSN), abbreviated description, unit of issue, and quantity. The material cost, shipping weight, volume and estimated construction effort in man-hours are shown in the facility description.

c. TM 5-304, "Army Facilities Components System User Guide." This manual provides users with a single source of reference and information concerning the operation of the system, available system products, and example problems demonstrating the use of the system.

1-4. Training

Information contained in the AFCS provides commanders at all levels with sufficient information to plan facilities construction training exercises. Cost and quantity of materials, NSNs, man-hours, and construction drawings are provided in such a manner as to permit unit commanders the flexibility of selecting facilities which, if constructed, would exercise individual military occupational specialties, unit construction planning, organization, and management. Construction times reflected in TM 5-3011 through TM 5301-4 and TM5-303 are optimal times to accomplish tasks and will serve as an initial planning guide. TM 5-304 provides tables of engineer unit capabilities. A unit that can accomplish tasks within the man-hours shown in the TMs should consider itself proficient in its skills, planning, organization and management. Materials required to construct facilities contained in the AFCS are not normally available as training sets and must be procured under appropriate regulations. If the facility is constructed as an authorized construction project, it is subject to appropriate regulation governing troop construction.

1-5. Comments and Information Sources

The data for this manual are maintained by the Office of the Chief of Engineers and are available in printouts, magnetic tape or microfiche. Cost data are updated quarterly and can be obtained from Huntsville Division, US Army Corps

of Engineers. All correspondence and requests for technical assistance, drawings and information regarding the AFCS system should be forwarded to either:

US Army Corps of Engineers
Huntsville Division
ATTN: HNDED-FD
PO Box 1600
Huntsville, AL 35807-4301
or
HQDA (DAEN-ZCM)
WASH DC 20310-2600

Users of the AFCS are encouraged to submit comments, corrections and recommendations for improvement or revision directly to HQDA (DAEN-ZCM), WASH DC 23010. Comments should refer to the specific facility or installation. The reason for each comment or recommendation should be given to ensure proper understanding and evaluation.

1-6. Responsibilities

The Chief of Engineers is responsible for the continuous review and updating of this publication to include coordination with DA staff agencies, oversea commands and other users that are affected by construction for contingency operations. Responsibilities of the Chief of Engineers and other agencies or commands are more specifically stated in AR 415-16.

CHAPTER 2
EXPLANATION OF THE TERMINOLOGY AND AFCS DATA

2-1. Army Facilities Components System (AFCS)
The AFCS is a tool used to assist military planners, supply agencies, and construction personnel at all levels that have a role in Army construction in theaters of operations. The AFCS uses a building block concept to permit maximum flexibility. The building blocks are items, subfacilities, facilities, and installations.

2-2. Building Blocks TM 5-304 provides a complete discussion of the building block concept and explains other terminology in the AFCS system. The building blocks are discussed briefly below: a. Item.
An item is any construction material or equipment that makes up a larger product. Each item has an associated National Stock Number, description, unit of issue, and quantity. The quantities used include an allowance for material wastage and loss.

b. Facility and Subfacility. A facility is a group of items designed to provide a service. Users should therefore carefully read the facility descriptions to ensure that all components necessary to build the desired structure are ordered. A Subfacility differs from a facility only in its use in TM 5-303. The purpose of a Subfacility is to reduce the repetitive listing of a facility's construction materials. Users should also be aware that components of some facilities (roads, hardstands and bridges) are separated into two Subfacility groupings to widen the selections in meeting actual field conditions.

c. Installation. An installation is a group of facilities designed to provide a specific service or support to some military function in a TO.

d. Component. "Component" is a generic term sometimes used to refer to any facility or installation contained in the AFCS.

2-3. Planning Table "Planning Table" is a term that is used to refer to the printed installations as explained in Chapter 3.

2-4. Design Criteria
a. Design criteria are shown on the construction drawings in TM 5-302 when considered beneficial in adapting AFCS designs to actual site conditions. Also, Chapter 2 or TM 5-302 provides additional design and construction considerations.

b. The facilities in the system are designed to operate in one or more of four climatic zones. The four climatic zones are:

(1) *Temperate Zone.* The geographical areas in which mean annual temperatures are between + 30°F and + 70°F as identified by isothermal lines.

(2) *Frigid Zone.* The geographical areas in which mean annual temperatures are lower than + 30°F as identified by isothermal lines.

(3) *Tropical Zone.* The geographical areas in which mean annual temperatures are higher than + 70°F as identified by isothermal lines.

(4) *Desert Zone.* The geographical areas which are arid and without vegetation.

2-5. Construction Standards
Standards of construction are identified for the purpose of managing construction resources. The availability of resources, the operational plans and the using unit's mission will dictate the standards of construction to be used in theaters of operation. JCS Publication No. 3 sets forth the standards of construction that are applicable in a theater of operation. The standards are based primarily on the duration of the contingency and previously were defined as follows: initial (INT)-06 months, intermediate (ITR)6 to 24 months, and temporary (TPR)-24 to 60 months. Current JCS Publication No. 3 doctrine refines the construction standards as initial (06 months) and temporary (6-24 months). The 24 to 60 months standard has been deleted. Installations and some facilities listed in the AFCS are identified by a corresponding construction standard. In most cases, facilities contained in the AFCS fall into the temporary standards. The nature of materials used in construction of the AFCS facilities and the structural aspects of the designs are such that the life of facilities will normally exceed 2 years when appropriate maintenance is performed.

2-6. Building Structures
The AFCS views building structures as being composed of three basic types: disposable (woodframe, block, concrete or any other construction material that is formed on the site,

and which has little or no salvage value); preengineered relocatable (panelized buildings, tents or any other structure that has an 85 percent recoverability); and mobile (containerized buildings or any other structure that can be moved and erected frequently with little construction effort required, i.e., the MUST Hospital). The AFCS allows for the range of these basic types to permit commanders the option of selecting the facility that best suits available construction effort, mission requirements, and availability of materials. Few mobile facilities other than tents are presently contained in AFCS; however, priority for future designs has been given to the initial mobile-type facilities where feasible.

2-7. Construction Effort

The construction effort in man-hours required for engineer troop units to erect or construct each facility and installation has been estimated and is shown in this manual. The construction estimates are based on the use of standard construction practices and procedures. The estimates include neither effort of administration, mobilization, and planning, nor effort lost because of weather delays. Estimates of actual working time required for the task was obtained by assuming the use of skilled personnel in the temperate zone. Estimates for other climatic zones were obtained by applying the following adjustment factors:

Tropical	1.45
Desert	1.25
Frigid	2.41

Additional information on labor categories, operational conditions and engineer unit capabilities is provided in TM 5-304.

CHAPTER 3
EXPLANATION OF PLANINING TABLES (INSTALLATIONS)

3-1. Arrangement of Planning Tables
"Planning table" is the term used for data published in this manual as AFCS installations. The paragraphs that follow explain the parts of a planning table.

3-2. Installation Number
Installations ae shown in ascending order according to the installation number in the upper right-hand corner, which consists of two alpha and four numeric characters. The number is used to identify the complete bill of materials required to construct that installation. This number also identifies the corresponding construction drawing in TM 5-302.

3-3. Installation Description
The installation description appears in the upper left-hand corner, and includes the title, climatic zone, standard and type of construction, purpose, minimum real estate requirements, and utility and aggregate requirements. The following items are contained in the planning tables:

a. Aggregate Requirements. Aggregate cannot be requisitioned from the bills of materials. It is assumed to be available within 5 miles of the construction site.

b. Utility and Road Requirements. Installation requirements include roads, fences, water treatment, sewage treatment, and electrical generation. Facilities providing these requirements are generally not automatically included in the installation. Several installations may be grouped into a complex, with the additional supporting requirements computed for the total complex. The user should carefully review the supporting facilities included in the installation planning table, use the TM 5-302 drawing and TM 5-303 bill of materials for additional information, and augment the listing of the additional required facilities. Also, appropriate adjustments should be made to the utility sizes and quantities where site plans are changed to accommodate actual field conditions, topography changes, and dispersal requirements.

c. Facility Number. Shows the five numeric and two alpha characters that identify each AFCS facility.

d. Facility Description. Provides a short description of the facilities included in the installation.

e. Size or Unit. Gives dimensions, capacity or unit of measure for each facility in the installation.

f. Basis. Gives the criteria or standard planning basis upon which facilities are included in the installation.

g. Quantity Required. Indicates the actual quantity of a particular facility included in the installation.

h. Material. Display the total material logistic and cost data associated with the number of facilities in the "Quantity Required" column. The column with the heading "WT-ST" gives the weight of the material to include packaging materials in short tons (2,000 pounds). The column with the heading "VOL-MT" gives the shipping volume to include packaging materials in measurement tons (40 cubic feet). The cost of the material is shown to the nearest dollar in the "COST" column. The material costs are current as of the listed date. Appropriate inflation factors should be added if data shown is more than 6 months old and a more precise cost is required. CONUS material costs are the only costs shown in AFCS.

i. Construction Man-hours. Display the estimated horizontal, vertical, and general construction man-hours for construction by engineer troop units.

j. Installation Totals. The material logistic and cost data and construction effort totals are shown at the end of each table. It should be noted that the costs listed are CONUS material costs only and are current only at the time of publication and thus may be somewhat outdated.

CHAPTER 4
EXPLANATION OF FACILITY PLANNING TABLES

4-1. Arrangement of Facility Planning Tables

The facilities in the AFCS are identified with regard to their application in a theater of operations. The paragraphs that follow explain the parts of the facility planning table. A complete listing of facilities in numerical sequence is contained in Chapter 10.

4-2. Facility Number

The "Facility Number" column shows the five numeric and two alpha characters that identify each facility. The numbering system uses the entire facility number for the corresponding construction drawing in TM 5-302. It should be noted, however, that there is not a drawing for every facility.

4-3. Facility Description

The "Description" column contains a full description of each facility. TM 5-303 provides a detailed bill of materials for each facility and TM 5-302 provides construction drawings and drawings for utilities (electric, sewage, and water).

4-4. Materials Logistic and Cost Data

The "Construction Material" columns display logistic and cost data associated with each facility. The weight in short tons (2000 lb) includes packing material. The shipping volume is given in measurement tons (40 cu ft). Costs are current as of the date of issue and reflect CONUS material costs only.

4-5. Construction Man-hours

The "Construction Effort in Man-hours" columns give the estimated engineer troop unit effort for horizontal, vertical, and general skills. The total column represents the sum of these items.

CHAPTER 5
PREPACKAGED EXPENDABLE CONTINGENCY SUPPLIED (PECS) AND CONTTAINERIZATION

5-1. Purpose

To assist engineer units in the planning and implementation of contingency plans, a series of cargo containers loaded with stylized engineer supplies was developed to meet normal mission requirements for limited periods or for minor repairs for extended periods when supplies are replaced based on demand experience. Also included as facilities are special bomb damage and repair kits. A matrix of bomb damage and repair facilities will be added to TM 5-304.

5-2. Description and Use

Each container is reflected as a separate facility within the AFCS, which allows its requisition as an independent supply kit and permits the requester to obtain as many kits as needed to meet the assigned requirements. The unit commander can also procure a set of kits/facilities which are reflected as installations in the AFCS and are designed to provide a minimum of expendable materials to accomplish the specific engineer tasks. Again, the commander has the option of requesting the number of installations required. An item consumed from the container can be requisitioned and replaced as separate items since each carries its own NSN. When requisitioning a facility or installation, commanders/requesters should check the size of the shipping/storage container ordered to ensure that proper transportation is available upon delivery of the kits. There are two types of military containers: the TRICON (8 x 8 x 63 feet) and the MILVAN (8 x 8 x 20 feet). The TRICON has a maximum payload of 13,000 pounds, a tare weight of 1,880 pounds, and approximate interior dimensions of 90 x 85 x 73.5 inches. The MILVAN has a maximum payload of 40,000 pounds, a tare weight of 4,7001pounds and approximate interior dimensions of 92 x 87 x 231 inches. The containers are equipped with standard fittings allowing movement by a variety of material handling equipment. In groups of three, the TRICONs form an 8 x 8 x 20 container compatible with the commercial container system. Common commercial containers vary in size up to 8 x 9 x 40 feet with a maximum payload of 60,900 pounds, and a tare weight of 6,300 pounds. The weight of each facility (without container) can be found in TM 5-303.

CHAPTER 6
SUPPLY PROCEDURES

6-1. General

The US Army Materiel Command (AMC) is responsible for developing supply procedures, policies and command guidance necessary to fund, procure, store and ship materiel listed in the Army Facilities Components System. AMC responsibility is set forth in AR 415-16. The focal points within AMC for the Army Facilities Components System and their responsibilities are briefly explained in paragraphs 6-2 and 6-3 below.

6-2. The Directorate of Materiel Management

The Directorate of Materiel Management, Associate Director for Evaluation, Headquarters, US Army Materiel Command (ATTN: AMCMME), Alexandria, VA 22304, is responsible for coordinating AMC activities and interests pertaining to the AFCS. This coordination embraces materiel development, procurement policies, employment support and other related matters. The Associate Director for Evaluation ensures that AMC can support the demands for construction materiel at the onset of an emergency and thereafter as required.

6-3. US Army Troop Support Command (TROSCOM)

The Command, TROSCOM (ATTN: AMSTRSPRA), 4300 Goodfellow Boulevard, St. Louis, MO 63120 is the central point within the Continental United States (CONUS) for the inclusion of items in the Federal Supply System and the acquisition and supply of items in the AFCS.

6-4. Requisition and Supply Procedures

Requisition and supply procedures, methods, process and interrelationships are contained in chapter 5 of TM 5-304, AFCS User Guide. Every effort should be made to acquire facility construction materials from a source as close to the construction site as possible before requisitioning through the supply system.

CHAPTER 7
CAMOUFLAGE

7-1. Treatment of Camouflage in the AFCS

The AFCS does not include a separate camouflage facility for each structure. Rather, descriptive information and tables are included which will allow the planner to extract the necessary materials for a particular task. However, in accomplishing a camouflage requirement, it should be noted that successful camouflage techniques require imaginative use of not only the issued materials but also such artificial and natural materials as are locally available. These would include such items as cut foliage, earth, wire screening and other disrupters. The proper siting and dispersal of facilities with respect to existing natural or manmade terrain patterns will lessen the need for artificial camouflage. A complete coverage of camouflage techniques and the doctrine and techniques of camouflage practice are contained in FM 520, Camouflage, and TM 5200, Camouflage Materials.

7-2. Camouflage Principles, Methods and Materials

Discussion of camouflage principles, methods, and materials is contained in Appendix D of TM 5-304.

CHAPTER 8
UTILIZATION OF TM 5-301

8-1. Planning

The importance of the planning phase of any undertaking cannot be overemphasized. This is certainly true in providing construction support for the Army in a theater of operations. The construction requirements fluctuate because of national policies, contingency plans, escalation or de-escalation of operations, geographical locations and conditions, and availability of resources.

The facilities and installations in the AFCS have been developed to satisfy many of the Army's construction requirements in accordance with criteria contained in JCS Publication No. 3. The requirements of the AFCS components are provided by major Army commands and elements of the DA staff. Approval of requirements is received from proponent elements of the DA staff per AR 415-16. For example, The Surgeon General established the requirements for and approved the medical components in the AFCS.

The AFCS components are continually updated to ensure adherence to current doctrine and actual field requirements. A range of construction materials is used in developing the components so that planners and users have the flexibility to select those components that best meet their requirements and resources. The resources consist of personnel, transportation, construction materials and equipment.

Planning for construction support of an Army operation should include the following steps as a minimum:

a. Provide contingency or operational plans to determine the scope of construction requirements. Coordinate with technical and administrative staff elements to determine their facility and installation requirements in the theater.

b. Evaluate intelligence data and other information to determine the number and type of existing facilities and installations that are required. This evaluation should include the availability of utilities (water, electric power and sewage treatment) and the availability of construction materials within the theater. The base development process is described in FM 31-82.

c. Determine the standards of construction to be used for the facilities and installations based on the operation duration, military objectives and availability of resources.

d. Select the AFCS facilities and installations necessary to satisfy the construction requirements. This selection should exclude the requirements that can be met with indigenous resources. In his selection, the planner should include allowances for facilities that may be damaged, such as blown bridges and railroad tracks. A matrix of damage and repair facilities (Kits) is being added to the next change to TM 5-304. Those repair kits are included in this manual and TM 5-303.

e. Evaluation manpower resources to determine whether US contractors, troop units, local contractors and self-help programs are to be used in construction work. Review Prepackaged Expendable Contingency Supplies (PECS) as necessary to determine what expendable construction supplies are required by engineer units in support of minor repair requirements that do not warrant a requisitional facility.

f. Determine the real estate requirements and initiate actions for the acquisition of the real estate.

g. Estimate the construction effort, cost of construction materials, and logistical data for transporting the materials. Add the overseas transportation costs to the material costs shown in this manual if the total cost of materials to be delivered to the theater is required. Also add local labor and material costs, if appropriate.

h. Requisition the construction materials and identify long-lead-time procurement items so that construction tasks will not be unnecessarily delayed.

i. Establish a management-control system such as Critical Path Method (CPM) techniques to keep construction tasks on schedule.

8-2. Example Problems

Several example problems demonstrating the use of AFCS to both engineer and non-engineer users is contained in Chapter 4 of TM 5-304.

CHAPTER 9
LISTING OF INSTALLATIONS

9-1. Index of Installations

Description	*Category*
Administration	AA
Airfield and Heliports	AG
Camp, PW	PW
Camp, Troop	NT
Hospital	GH
Maintenance, Vehicle	MT
Marine, Railway Repair	FP
Marine, Terminal POL	PA
Medical Depots	GH
Ordnance, Armament Rebuild Ship, Parks & Collection Point	JA
PECS (Containerized Supplies)	YY
Precast Parts Yard (Concrete, Panelized Wood and Steel)	PY
POL Fuel Drum Cleaning, Filling and Storage	PB
POL Pipeline	PD
POL Tactical Marine Terminal	PF
POL Tank Farm, Bulk Storage	PB
POL Tank Farm, Complex	PC
POL Tank Truck/Car Loading/Unloading	PE
Port, Break-Bulk Cargo	FP
Post Office	AP
Railroad, Regulating Station	FR
Railroad, Terminal	FT
Recreational Center	AR
Storage, Ammunition	DA
Signal Intelligence	CC
Storage, Dry Cargo	DC

9-2. Listing of Installations In Category Number Sequence

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 25 AIRCRAFT,1 UH-1H AND 24 AG0132
CH-47C OF THE TRANSP.CO.,HELICOPTER MEDIUM,INSTALLATION DWG
SHEET 7 OF 65,INITIAL STD,SUPPORT AREA,
GRADED AND DRAINED,SURFACING HEAVY DUTY MEMBRANE,PERSONNEL
FACIL-ORGANIC TOE EQPT,REAL ESTATE REQT FOR INST-104 ACRES,
REQD FROM LOCAL SOURCE---COARSE AGGR,1743 CY,FINE AGGR,1472
CY,MINERAL FILLER,658 CY,COMBAT BN CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AA	RUNWAY W/25 FT SHOULDERS,450 X 60		CH-54 AIRCRAFT	1.0	21	10	45603	409		218	627
111120AB	RUNWAY LENGTH CORRECTION,100 X 60		TEMP AND ALT	.0							
111120AC	RUNWAY OVERRUN,100 X 110 FT		CH-54 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			160.0	320	160	167360	9744		3944	13688
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	1.2	38	34	33014	686		214	900
111210AB	TAXIWAY W/25 FT SHOULDERS,2000 X 40		CH-54 AIRCRAFT	5.2	426	161	864848	7864		4117	11981
111320AB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	.3		1	1967	9		4	13
111320AC	PARKING PAD,2EA 50 X 25 FT		CH-47 AIRCRAFT	12.0	12	36	78660	626		209	835
111370AB	AIRCRAFT WASHING APRON,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111371AB	DEFUEL/DECONTN APR,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111380AA	AC LOADING APR,2EA 50 X 25 FT		CH-47 AIRCRAFT	2.0	2	6	13110	70		35	105
111610AA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110AA	HOT REFUELING PAD,2EA 50 X 25 FT		3/INSTALLATION	1.5	2	5	9833	52		26	78
12110AH	SUPPORT ACFT REFUELING 30000 G STOR		5 DAY SUPPLY	2.0	16	40	131052	441	336	928	1705
12110AJ	FUEL STORAGE AUGMENTATION 50000 GAL		5 DAY SUPPLY	1.0	5	5	16865	93	81	186	360
113315AA	AC CONTROL STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
114111AA	FIRE AND RESCUE STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
142183AB	AMMUNITION STORAGE,2500SF			1.0				4		3	7
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	2.2	1472	994	7359	485		140	625
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.3	30	20	150	12		4	16
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	2.2	26	13	15297	5589		2038	7627
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.3	2	1	1321	94		33	127
187120AA	DRAINAGE HELIPORT,24 ACRES		1 IN./HR	1.0				67		49	116
					2387	1503	1410480	27207	420	12675	40302

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TROPIC CLIMATE

HELIPORT/ARMY/MIN REQTS FOR 25 AIRCRAFT/1 UH-1H AND 24 CH-47C OF THE TRANSP.CO./HELICOPTER MEDIUM/INSTALLATION DWG SHEETS 8AND9 OF 65/INITIAL STANDARD SUPPORT AREA/GRADED AND DRAINED/SURFACING M8A1 LANDING MAT/ PERSONNEL FACIL-TROOP CAMP INST NO NT1421/REAL ESTATE REQT FOR INST-123 ACRES/REQD FROM LOCAL SOURCE---COARSE AGGR/1584 CY/FINE AGGR/1338 CY/MINERAL FILLER/598 CY/COMBAT BN CONSTR AG0232

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AC	RUNWAY OVERRUN/100 X 110 FT		CH-54 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE/1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA/1000 SY			167.0	334	167	174682	10170		4117	14287
111120BA	RUNWAY W/25 FT SHOULDERS/450 X 60		CH-54 AIRCRAFT	1.0	131	77	73348	431		413	844
111120BC	RUNWAY LENGTH CORRECTION/100 X 60		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE/450 X 180 FT		CH-54 AIRCRAFT	1.2	38	34	33014	686		214	900
111210AB	TAXIWAY W/25 FT SHOULDERS/2000 X 40		CH-54 AIRCRAFT	.2	16	6	33263	302		158	460
111210BB	TAXIWAY W/25 FT SHOULDERS/1000 X 40		CH-54 AIRCRAFT	10.2	2234	1265	1306457	8105		7853	15958
111320BB	PARKING PAD/4EA 20 X 20 FT		UH-1 AIRCRAFT	.3	3	2	2580	8		8	16
111320BC	PARKING PAD/10EA 50 X 25 FT		CH-47 AIRCRAFT	2.4	173	125	117766	515		519	1034
111340BD	HANGAR ACCESS/335 X 100 FT			1.0	147	108	104844	331		618	949
111370AB	AIRCRAFT WASHING APRON/50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111371AB	DEFUEL/DECONTN APR/50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111380BB	AC LOADING APR/4EA 50 X 25 FT		CH-47 AIRCRAFT	1.0	29	21	19627	73		73	146
111610AA	COMPASS SWING BASE/50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110BB	HOT REFUELING PAD/2EA 50 X 25 FT		3/INSTALLATION	1.5	21	15	14721	54		54	108
12530AL	PUMP STATION FUEL SUPPLY/ POL/ FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
14110BA	AFOPS BLDG 864SF PNL WD BDG W/ INT		1/INSTALLATION	1.0	27	33	18383	10	1399	1108	2517
114111BA	FIRE AND RSQ STA/FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AR	AIRCRAFT REVETMENT/IMPROVED/UH-1D/H		UH-1 AIRCRAFT	1.0	15	12	3919		77	129	206
114910AT	AIRCRAFT REVETMENT/IMPROVED/CH-47		CH-47 AIRCRAFT	24.0	504	384	132096		2749	4002	6751
121110BB	ORG MNT HANGAR/105 X 112 FT		CH-47 AIRCRAFT	3.0	237	468	773025	740		1327	2067
141120BA	FLAMMABLE STORAGE/12 X 24 FT			1.0	14	13	3322	1		1	2
41180AG	TANK/ POL/ 3000 BARREL/ W/6 IN PIPE	3000 BBL	5 DAY SUPPLY	1.0	2	32	12538	131	450	305	886
142183BA	AMMUNITION STORAGE/24 X 36 FT			1.0	25	27	17138	1		1	2
85110CK	ROAD PAVEMENT/CLASS C/6IN STBL 1MI		PROVIDE ACCESS	2.0	1338	904	6690	441		128	569
85110DG	HARDSTAND/APR/TXWY/OR RNWY 1000SQYD		AS REQUIRED	.6	60	41	300	23		9	32
85130KH	ROAD/CLASS C/GRADED AND DRAINED 1MI		PROVIDE ACCESS	2.0	24	12	13906	5081		1853	6934
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.6	4	2	2641	187		67	254
187120BA	DRAINAGE HELIPORT/25 ACRES		1 IN./HR	1.0	32	36	22513	93		81	174
87210AD	CONCERTINA/TRIPLE TAPE TYP D 1000LF		SECUR FENCE	11.0	1287	770	21582	447		1786	2233
					6925	4884	2991344	29085	7103	27265	63453

TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 25 AIRCRAFT,1 UH-1H AND 24 AG0332
CH-47C OF THE TRANSP.CO.,HELICOPTER MEDIUM,INSTALLATION DWG
SHEETS 10 AND 11 OF 65,TEMPORARY STD,
SUPPORT AREA,GRADED AND DRAINED,SURFACING BITUMINOUS
PAVEMENT,PERSONNEL FACIL-TROOP CAMP INST NO NT1621,REAL
ESTATE REQT FOR INST-123 ACRES,REQD FROM LOCAL SOURCE---
COARSE AGGR,8828 CY,FINE AGGR,4118 CY,MINERAL FILLER,1269 CY

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	MANHOURS GENL	MANHOURS TOT
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			168.0	336	168	175728	10231		4141	14372
111120BF	RUNWAY OVERRUN,100 X 125 FT		CH-54 AIRCRAFT	2.0	8	6	4882	209		58	267
111120CA	RUNWAY W/25 FT SHOULDERS,450 X 75		CH-54 AIRCRAFT	1.0	260	210	13615	574		238	812
111120CB	RUNWAY LENGTH CORRECTION,100 X 75		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	1.2	38	34	33014	686		214	900
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40		CH-54 AIRCRAFT	11.0	3443	2761	181357	10033		3924	13957
111320CB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	.3	4	3	72	21		4	25
111320CC	PARKING PAD,10EA 50 X 25 FT		CH-47 AIRCRAFT	2.4	228	182	3586	606		146	752
111340CD	HANGAR ACCESS,335 X 100 FT			1.0	250	200	3346	405		125	530
111370CB	AIRCRAFT WASHING APRON,50 X 25 FT		1/INSTALLATION	1.0	10	8	139	33		7	40
111371CB	DEFUEL/DECONTN APR,50 X 25 FT		1/INSTALLATION	1.0	10	8	139	33		7	40
111380CB	AC LOADING APR,4EA 50 X 25 FT		CH-47 AIRCRAFT	1.0	38	30	598	102		25	127
111610CA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	14	11	211	125		36	161
112110CB	HOT REFUELING PAD,2EA 50 X 25 FT		3/INSTALLATION	1.5	30	24	482	107		37	144
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LOG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
114110BA	AFOPS BLDG 864SF PNL WD BDG W/ INT		1/INSTALLATION	1.0	27	33	18383	10	1399	1108	2517
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	1.0	15	12	3919		77	129	206
114910AT	AIRCRAFT REVETMENT,IMPROVED,CH-47		CH-47 AIRCRAFT	24.0	504	384	132096		2749	4002	6751
121110CB	ORG MNT HANGAR,105 X 112 FT		CH-47 AIRCRAFT	3.0	363	594	741540	713		922	1635
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AG	TANK, POL, 3000 BARREL, W76 IN PIPE	3000 BBL	5 DAY SUPPLY	1.0	2	32	12538	131	450	305	886
142183BA	AMMUNITION STORAGE,24 X 36 FT			1.0	25	27	17138	1		1	2
85110BT	ROAD CLASS C, 1@ MULTIPLE SURFACE		PROVIDE ACCESS	2.0	798	600	8372	490		87	577
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.6	60	41	300	23		9	32
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	2.0	24	12	13906	5081		1853	6934
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.6	4	2	2641	187		67	254
187120BA	DRAINAGE HELIPORT,25 ACRES		1 IN./HR	1.0	32	36	22513	93		81	174
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		PERIM FENCING	11.0	187	561	132814	1994		6380	8374
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			5.0	5	10	1395	44		87	131
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			6.0	6	12	2406	61		131	192
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			17.0			1853	247		197	444
					6956	6331	1591587	33231	7103	26676	67010

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 27 AIRCRAFT,10 OH-58,9 AH-1G AND 8 UH-1H OF THE AIR CAVALRY TROOP,INSTALLATION DWG.SHEET 12OF 65,INITIAL STANDARD,SUPPORT AREA,GRADED AND DRAINED,SURFACING M8A1 LANDING MAT,PERSONNEL FACIL-TROOP CAMP INST NO NT1421,REAL ESTATE REQT FOR INST-65 ACRES,REQD FROM LOCAL SOURCE---COARSE AGGR,1268 CY,FINE AGGR,1071 CY, MINERAL FILLER,316 CY,COMBAT BN CONSTR AG1232

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
111120AC	RUNWAY OVERRUN,100 X 110 FT		CH-54 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			42.8	86	43	44769	2607		1055	3662
111120BA	RUNWAY W/25 FT SHOULDERS,450 X 60		CH-54 AIRCRAFT	1.0	131	77	73348	431		413	844
111120BC	RUNWAY LENGTH CORRECTION,100 X 60		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	4.9	157	137	134809	2799		874	3673
111210AB	TAXIWAY W/25 FT SHOULDERS,2000 X 40		CH-54 AIRCRAFT	.2	16	6	33263	302		158	460
111320BA	PARKING PAD,10EA 12 X 12 FT		OH-58 AIRCRAFT	1.0	10	8	8713	23		23	46
111320BB	PARKING PAD,4EA 20 X 20 FT		AH-1G AIRCRAFT	4.3	39	30	36976	112		118	230
111340BA	HANGAR ACCESS,105 X 100 FT			1.0	47	35	36467	110		206	316
111370AA	AIRCRAFT WASHING APRON,40 X 20 FT		1/INSTALLATION	1.0	1	1	3249	22		6	28
111371AA	DEFUEL/DECONTN APR,40 X 20 FT		1/INSTALLATION	1.0	1	3	6498	22		6	28
111380BA	AC LOADING APR,6EA 20 X 20 FT		UH-1 AIRCRAFT	1.0	14	11	12898	36		36	72
111610AA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110BA	HOT REFUELING PAD,6EA 20 X 20 FT		6/INSTALLATION	1.0	14	11	12898	36		36	72
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
141108BB	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AN	AIRCRAFT REVETMENT,IMPROVED,OH-58		OH-58 AIRCRAFT	10.0	110	80	28000		566	1030	1596
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	8.0	120	96	31352		615	1032	1647
114910AV	AIRCRAFT REVETMENT,IMPROVED,AH-1G		AH-1G AIRCRAFT	9.0	108	90	28926		626	1109	1735
121110BB	ORG MNT HANGAR,105 X 112 FT		UH-1 AIRCRAFT	1.0	79	156	257675	247		442	689
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
42283AC	MAGAZINE,STEEL ARCH 16X36			1.0	14	31	4453	215	226	218	659
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	1.6	1070	723	5352	353		102	455
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.6	60	41	300	23		9	32
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.6	19	10	11125	4065		1482	5547
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.6	4	2	2641	187		67	254
187120BB	DRAINAGE HELIPORT,11 ACRES		1 IN./HR	1.0	14	17	9880	29		29	58
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		SECUR FENCE	9.2	1076	644	18050	374		1494	1868
					3603	3556	980029	13341	7623	13356	34320

TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 27 AIRCRAFT,10 OH-58,9 AH-1G AND 8 UH-1H OF THE AIR CAVALRY TROOP,INSTALLATION DWG.SHEET 130F 65,TEMPORARY STD,SUPPORT AREA,GRADED AND DRAINED,SURFACING BITUMINOUS PAVEMENT,PERSONNEL FACIL-TROOP CAMP INST NO NT1621,REAL ESTATE REQT FOR INST-65 ACRES,REQD FROM LOCAL SOURCE---COARSE AGGR,2320 CY,FINE AGGR,1027 CY, MINERAL FILLER,327 CY,COMBAT BN AND SUP CO CONSTR AG1332

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	GENL	TOT
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			41.5	83	42	43409	2527		1023	3550
111120BF	RUNWAY OVERRUN,100 X 125 FT		CH-54 AIRCRAFT	2.0	8	6	4882	209		58	267
111120CA	RUNWAY W/25 FT SHOULDERS,450 X 75		CH-54 AIRCRAFT	1.0	260	210	13615	574		238	812
111120CB	RUNWAY LENGTH CORRECTION,100 X 75		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	5.0	160	140	137560	2857		892	3749
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40		CH-54 AIRCRAFT	.4	125	100	6595	365		143	508
111320CA	PARKING PAD,10EA 12 X 12 FT		OH-58 AIRCRAFT	1.0	11	9	327	177		35	212
111320CB	PARKING PAD,4EA 20 X 20 FT		AH-1G AIRCRAFT	4.3	56	43	1036	306		62	368
111340CA	HANGAR ACCESS,105 X 100 FT			1.0	79	63	1056	149		41	190
111370CA	AIRCRAFT WASHING APRON,40 X 20 FT		1/INSTALLATION	1.0	6	5	86	25		4	29
111371CA	DEFUEL/DECONTN APR,40 X 20 FT		1/INSTALLATION	1.0	6	5	86	25		4	29
111380CA	AC LOADING APR,6EA 20 X 20 FT		UH-1 AIRCRAFT	1.0	18	15	344	106		22	128
111610CA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	14	11	211	125		36	161
112110CA	HOT REFUELING PAD,6EA 20 X 20 FT		6/INSTALLATION	1.0	18	15	344	117		45	162
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
14110BB	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AN	AIRCRAFT REVETMENT,IMPROVED,OH-58		OH-58 AIRCRAFT	10.0	110	80	28000		566	1030	1596
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	8.0	120	96	31352		615	1032	1647
114910AV	AIRCRAFT REVETMENT,IMPROVED,AH-1G		AH-1G AIRCRAFT	9.0	108	90	28926		626	1109	1735
121110CB	ORG MNT HANGAR,105 X 112 FT		UH-1 AIRCRAFT	1.0	121	198	247180	238		307	545
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
42283AC	MAGAZINE,STEEL ARCH 16X36			1.0	14	31	4453	215	226	218	659
85110BT	ROAD CLASS C, 1@ MULTIPLE SURFACE		PROVIDE ACCESS	1.6	638	480	6698	392		70	462
85110CN	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.8	41	30	398	49		23	72
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.6	19	10	11125	4065		1482	5547
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.8	6	2	3522	249		89	338
187120BB	DRAINAGE HELIPORT,11 ACRES		1 IN./HR	1.0	14	17	9880	29		29	58
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1' 1000LF		PERIM FENCING	10.0	170	510	120740	1813		5800	7613
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			5.0	5	10	1395	44		87	131
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			6.0	6	12	2406	61		131	192
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			16.0			1744	232		186	418
					2622	3527	875046	16082	7623	17538	41243

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 10 AIRCRAFT,9 CH-54A AND 1 UH-1H AG2132
OF THE TRANSP.CO,HELICOPTER HEAVY,INSTALLATION DWG.SHEET 14
OF 65,INITIAL STD,SUPPORT AREA,GRADED AND
DRAINED,SURFACING HEAVY DUTY MEMBRANE,PERSONNEL FACIL-
ORGANIC TOE EQPT,REAL ESTATE REQT FOR INST-66 ACRES,REQD
FROM LOCAL SOURCE---COARSE AGGR,1505 CY,FINE AGGR,1272 CY,
MINERAL FILLER,569 CY,COMBAT BN CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
111120AA	RUNWAY W/25 FT SHOULDERS,450 X 60		CH-54 AIRCRAFT	1.0	21	10	45603	409		218	627
111120AB	RUNWAY LENGTH CORRECTION,100 X 60		TEMP AND ALT	.0							
111120AC	RUNWAY OVERRUN,100 X 110 FT		CH-54 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			120.0	240	120	125520	7308		2958	10266
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	1.0	32	28	27512	571		178	749
111210AB	TAXIWAY W/25 FT SHOULDERS,2000 X 40		CH-54 AIRCRAFT	2.7	221	84	449056	4083		2138	6221
111320AB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	.3		1	1967	9		4	13
111320AD	PARKING PAD,50 X 50 FT		CH-54 AIRCRAFT	9.0	9	27	58743	313		157	470
111340AA	HANGAR ACCESS,100 X 100 FT			1.0	6	1	14906	96		68	164
111370AD	AIRCRAFT WASHING APRON,50 X 50 FT		1/INSTALLATION	1.0	1	3	6498	35		17	52
111371AD	DEFUEL/DECONTN APR,100 X 100 FT		1/INSTALLATION	1.0	6	1	14906	96		68	164
111380AB	AC LOADING APR,50 X 50 FT		CH-54 AIRCRAFT	4.0	4	12	26108	139		70	209
111610AA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110AB	HOT REFUELING PAD,50 X 50 FT		2/INSTALLATION	2.0	2	6	13054	70		35	105
12110AH	SUPPORT ACFT REFUELING 30000 G STOR		5 DAY SUPPLY	2.0	16	40	131052	441	336	928	1705
113315AA	AC CONTROL STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
114111AA	FIRE AND RESCUE STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	1.9	1271	859	6356	419		121	540
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	40	27	200	16		6	22
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.9	23	11	13211	4827		1760	6587
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
187120AB	DRAINAGE HELIPORT,10 ACRES		1 IN./HR	1.0				30		20	50
					1908	1242	947498	19899	339	9300	29538

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 10 AIRCRAFT,9 CH-54A AND 1 UH-1H A62242
OF THE TRANSP.CO,HELICOPTER HEAVY,INSTALLATION DWG.SHEET 15
OF 65 INITIAL STANDARD,REAR AREA,GRADED
AND DRAINED,SURFACING M8A1 LANDING MAT,PERSONNEL FACIL-TROOP
CAMP INST NO NT1421,REAL ESTATE REQT FOR INST-93 ACRES,REQD
FROM LOCAL SOURCE---COARSE AGGR,1426 CY,FINE AGGR,1205 CY,
MINERAL FILLER,539 CY,COMBAT BN CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			115.0	230	115	120290	7004		2835	9839
111120BB	RUNWAY W/25 FT SHOULDERS,450 X 75		CH-54 AIRCRAFT	1.0	164	91	91243	503		505	1008
111120BD	RUNWAY LENGTH CORRECTION,100 X 75		TEMP AND ALT	.0							
111120BF	RUNWAY OVERRUN,100 X 125 FT		CH-54 AIRCRAFT	2.0	8	6	4882	209		58	267
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	1.0	32	28	27512	571		178	749
111210AB	TAXIWAY W/25 FT SHOULDERS,2000 X 40		CH-54 AIRCRAFT	.2	16	6	33263	302		158	460
111210BB	TAXIWAY W/25 FT SHOULDERS,1000 X 40		CH-54 AIRCRAFT	5.5	1205	682	704462	4370		4235	8605
111320BD	PARKING PAD,40 X 40 FT		UH-1 AIRCRAFT	1.0	8	7	8181	26		28	54
111320BE	PARKING PAD,10EA 100 X 100 FT		CH-54 AIRCRAFT	.9	408	222	224910	749		1216	1965
111340BB	HANGAR ACCESS,220 X 100 FT			1.0	98	73	74006	220		412	632
111370AF	AIRCRAFT WASHING APRON,100 X 100 FT		1/INSTALLATION	1.0	6	1	14906	96		68	164
111371AD	DEFUEL/DECONTN APR,100 X 100 FT		1/INSTALLATION	1.0	6	1	14906	96		68	164
111380BC	AC LOADING APR,4EA 100 X 100 FT		CH-54 AIRCRAFT	1.0	181	99	99732	396		592	988
111610AA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110BD	HOT REFUELING PAD,2EA 100 X 100 FT		2/INSTALLATION	1.0	89	68	72151	299		310	609
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
14110BA	AFOPS BLDG 864SF PNL WD BDG W/ INT		1/INSTALLATION	1.0	27	33	18383	10	1399	1108	2517
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	1.0	15	12	3919		77	129	206
114910AU	AIRCRAFT REVETMENT,IMPROVED,CH-54		CH-54 AIRCRAFT	9.0	378	297	98577		1958	2610	4568
121110BB	ORG MNT HANGAR,105 X 112 FT		CH-54 AIRCRAFT	2.0	158	312	515350	493		885	1378
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
85110AT	ROAD CLASS A, 6@ STABILIZED SURFACE		PROVIDE ACCESS	1.8	2140	1445	10701	715		198	913
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.6	60	41	300	23		9	32
85130AY	ROAD,CLASS A,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.8	29	14	17086	6525		2623	9148
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.6	4	2	2641	187		67	254
187120BC	DRAINAGE HELIPORT,15 ACRES		1 IN./HR	1.0	25	27	17759	59		55	114
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		SECUR FENCE	9.1	1065	637	17854	369		1478	1847
					6589	4566	2270808	24364	6312	22415	53091

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 10 AIRCRAFT,9 CH-54A AND 1 UH-1H OF THE TRANSP.CO,HELICOPTER HEAVY,INSTALLATION DWG.SHEET 16 OF 65,TEMPORARY STD,REAR AREA,GRADED AND DRAINED,SURFACING BITUMINOUS PAVEMENT,PERSONNEL FACIL-TROOP CAMP INST NO NT1621,REAL ESTATE REQT FOR INST-93 ACRES,REQD FROM LOCAL SOURCE---COARSE AGGR,7909 CY,FINE AGGR,3638 CY, MINERAL FILLER,1109 CY,COMBAT BN AND SUP CO CONSTR AG2342

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			119.0	238	119	124474	7247		2933	10180
111120BF	RUNWAY OVERRUN,100 X 125 FT		CH-54 AIRCRAFT	2.0	8	6	4882	209		58	267
111120CA	RUNWAY W/25 FT SHOULDERS,450 X 75		CH-54 AIRCRAFT	1.0	260	210	13615	574		238	812
111120CB	RUNWAY LENGTH CORRECTION,100 X 75		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	1.0	32	28	27512	571		178	749
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40		CH-54 AIRCRAFT	4.2	1315	1054	69245	3831		1498	5329
111320CD	PARKING PAD,40 X 40 FT		UH-1 AIRCRAFT	1.0	13	10	207	36		7	43
111320CE	PARKING PAD,10EA 100 X 100 FT		CH-54 AIRCRAFT	.9	672	536	10499	830		292	1122
111340CB	HANGAR ACCESS,220 X 100 FT			1.0	168	134	2252	291		83	374
111370CD	AIRCRAFT WASHING APRON,100 X 100 FT		1/INSTALLATION	1.0	75	60	1003	149		41	190
111371CD	DEFUEL/DECONTN APR,100 X 100 FT		1/INSTALLATION	1.0	75	60	1003	149		41	190
111380CC	AC LOADING APR,4EA 100 X 100 FT		CH-54 AIRCRAFT	1.0	299	239	4453	400		142	542
111610CA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	14	11	211	125		36	161
112110CD	HOT REFUELING PAD,2EA 100 X 100 FT		2/INSTALLATION	1.0	150	120	2351	299		145	444
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
14110BA	AFOPS BLDG 864SF PNL WD BDG W/ INT		1/INSTALLATION	1.0	27	33	18383	10	1399	1108	2517
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	1.0	15	12	3919		77	129	206
114910AU	AIRCRAFT REVETMENT,IMPROVED,CH-54		CH-54 AIRCRAFT	1.0	42	33	10953		218	290	508
121110CB	ORG MNT HANGAR,105 X 112 FT		CH-54 AIRCRAFT	2.0	242	396	494360	476		615	1091
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
85110AB	ROAD,CLASS A,1IN MULT. SURF. 1MI		PROVIDE ACCESS	1.8	1397	1075	16358	762		133	895
85110CN	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.6	31	23	299	37		17	54
85130AY	ROAD,CLASS A,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.8	29	14	17086	6525		2623	9148
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.6	4	2	2641	187		67	254
187120BC	DRAINAGE HELIPORT,15 ACRES		1 IN./HR	1.0	25	27	17759	59		55	114
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		PERIM FENCING	9.0	153	459	108666	1631		5220	6851
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			2.0	2	4	558	17		35	52
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			2.0	2	4	802	20		44	64
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			16.0			1744	232		186	418
					5524	5013	1026502	25774	4572	18787	49133

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 37 AIRCRAFT,17 UH-1H AND 20 OH-58A OF THE AVIATION CO.,CORPS,INSTALLATION DWG.SHEET 17OF 65,INITIAL STD,SUPPORT AREA,GRADED AND DRAINED,SURFACING HEAVY DUTY MEMBRANE,PERSONNEL FACIL-ORGANIC TOE EQPT,REAL ESTATE REQT FOR INST-49 ACRES,REQD FROM LOCAL SOURCE---COARSE AGGR,1188 CY,FINE AGGR,1004 CY, MINERAL FILLER,449 CY,COMBAT BN CONSTR AG3132

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
111120AA	RUNWAY W/25 FT SHOULDERS,450 X 60		UH-1 AIRCRAFT	1.0	21	10	45603	409		218	627
111120AB	RUNWAY LENGTH CORRECTION,100 X 60		TEMP AND ALT	.0							
111120AC	RUNWAY OVERRUN,100 X 110 FT		UH-1 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		UH-1 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			38.0	76	38	39748	2314		937	3251
111141AA	TAXI-HOVERLANE,450 X 180 FT		UH-1 AIRCRAFT	4.5	144	126	123804	2571		803	3374
111320AA	PARKING PAD,9EA 12 X 12 FT		OH-58 AIRCRAFT	2.3	2	7	15339	53		23	76
111320AB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	4.3	4	13	28187	125		56	181
111370AB	AIRCRAFT WASHING APRON,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111371AB	DEFUEL/DECONTN APR,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111380AA	AC LOADING APR,2EA 50 X 25 FT		UH-1 AIRCRAFT	2.0	2	6	13110	70		35	105
112110AC	HOT REFUELING PAD,2EA 50 X 50 FT		2/INSTALLATION	1.0	6	9	16704	55		35	90
12110AH	SUPPORT ACFT REFUELING 30000 G STOR		5 DAY SUPPLY	2.0	16	40	131052	441	336	928	1705
113315AA	AC CONTROL STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
114111AA	FIRE AND RESCUE STATION,20 X 20 FT		1/INSTALLATION	1.0	3	2	15	9		1	10
142183AA	AMMUNITION STORAGE,700SF			1.0				1		1	2
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	1.5	1004	678	5018	331		96	427
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.2	20	14	100	8		3	11
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	1.5	18	9	10430	3811		1390	5201
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.2	1	1	880	62		22	84
187120AC	DRAINAGE HELIPORT,11 ACRES		1 IN./HR	1.0				15		7	22
					1328	965	447489	11193	339	5064	16596

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TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 37 AIRCRAFT,17 UH-1H AND 20 OH-58A OF THE AVIATION CO.,CORPS,INSTALLATION DWG.SHEET 18OF 65,INITIAL ALTERNATE STANDARD,SUPPORT AREA,GRADED AND DRAINED,SURFACING M8A1 LANDING MAT,PERSONNEL FACIL-TROOP CAMP INST NO NT1421,REAL ESTATE REQT FOR INST-84 ACRES,REQD FROM LOCAL SOURCE---COARSE AGGR,1822 CY,FINE AGGR,1539 CY, MINERAL FILLER,688 CY,COMBAT BN CONSTR AG3232

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
111120AC	RUNWAY OVERRUN,100 X 110 FT		CH-54 AIRCRAFT	2.0	6	4	4184	180		52	232
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			45.9	92	46	48011	2795		1131	3926
111120BA	RUNWAY W/25 FT SHOULDERS,450 X 60		CH-54 AIRCRAFT	1.0	131	77	73348	431		413	844
111120BC	RUNWAY LENGTH CORRECTION,100 X 60		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	5.0	160	140	137560	2857		892	3749
111210AB	TAXIWAY W/25 FT SHOULDERS,2000 X 40		CH-54 AIRCRAFT	.2	16	6	33263	302		158	460
111320BA	PARKING PAD,10EA 12 X 12 FT		OH-58 AIRCRAFT	2.0	20	16	17426	46		46	92
111320BB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	4.3	39	30	36976	112		118	230
111340BA	HANGAR ACCESS,105 X 100 FT			1.0	47	35	36467	110		206	316
111370AB	AIRCRAFT WASHING APRON,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111371AB	DEFUEL/DECONTN APR,50 X 25 FT		1/INSTALLATION	1.0	1	3	6498	25		9	34
111380BB	AC LOADING APR,4EA 50 X 25 FT		UH-1 AIRCRAFT	1.0	29	21	19627	73		73	146
111610AA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	1	3	6527	35		17	52
112110BC	HOT REFUELING PAD,2EA 50 X 50 FT		2/INSTALLATION	1.0	24	18	18418	73		73	146
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
613120BA	NAVIGATION AIDS BUILDING,24 X 24 FT		1/INSTALLATION	1.0	20	22	13194	9	436	415	860
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
14110BB	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AN	AIRCRAFT REVETMENT,IMPROVED,OH-58		OH-58 AIRCRAFT	20.0	220	160	56000		1131	2059	3190
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	17.0	255	204	66623		1306	2194	3500
121110BB	ORG MNT HANGAR,105 X 112 FT		UH-1 AIRCRAFT	1.0	79	156	257675	247		442	689
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
142183BA	AMMUNITION STORAGE,24 X 36 FT			1.0	25	27	17138	1		1	2
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	2.3	1539	1040	7694	507		147	654
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	40	27	200	16		6	22
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	2.3	28	14	15992	5843		2131	7974
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
187120BB	DRAINAGE HELIPORT,11 ACRES		1 IN./HR	1.0	14	17	9880	29		29	58
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		SECUR FENCE	8.7	1018	609	17069	353		1413	1766
					4214	3976	1075705	15327	8463	15421	39211

TROPIC CLIMATE

HELIPORT,ARMY,MIN REQTS FOR 37 AIRCRAFT,17 UH-1H AND 20 AG3332
OH-58A OF THE AVIATION CO.,CORPS,INSTALLATION DWG.SHEET 190F
65,TEMPORARY STD,SUPPORT AREA,GRADED AND
DRAINED SURFACING BITUMINOUS PAVEMENT PERSONNEL FACIL-TROOP
CAMP INST NO NT1621,REAL ESTATE REQT FOR INST-84 ACRES,REQD
FROM LOCAL SOURCE---COARSE AGGR,2978 CY,FINE AGGR,1306 CY,
MINERAL FILLER,418 CY,COMBAT BN AND SUP CO CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AD	APPROACH-DEPARTURE,1500X250-850 FT		CH-54 AIRCRAFT	4.0				679		435	1114
111120AE	CLEAR AREA,1000 SY			49.9	100	50	52195	3039		1230	4269
111120BF	RUNWAY OVERRUN,100 X 125 FT		CH-54 AIRCRAFT	2.0	8	6	4882	209		58	267
111120CA	RUNWAY W/25 FT SHOULDERS,450 X 75		CH-54 AIRCRAFT	1.0	260	210	13615	574		238	812
111120CB	RUNWAY LENGTH CORRECTION,100 X 75		TEMP AND ALT	.0							
111141AA	TAXI-HOVERLANE,450 X 180 FT		CH-54 AIRCRAFT	4.8	154	134	132058	2742		856	3598
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40		CH-54 AIRCRAFT	.3	94	75	4946	274		107	381
111320CA	PARKING PAD,10EA 12 X 12 FT		OH-58 AIRCRAFT	2.0	22	18	654	354		70	424
111320CB	PARKING PAD,4EA 20 X 20 FT		UH-1 AIRCRAFT	4.3	56	43	1036	306		62	368
111340CA	HANGAR ACCESS,105 X 100 FT			1.0	79	63	1056	149		41	190
111370CB	AIRCRAFT WASHING APRON,50 X 25 FT		1/INSTALLATION	1.0	10	8	139	33		7	40
111371CB	DEFUEL/DECONTN APR,50 X 25 FT		1/INSTALLATION	1.0	10	8	139	33		7	40
111380CB	AC LOADING APR,4EA 50 X 25 FT		4/INSTALLATION	1.0	38	30	598	102		25	127
111610CA	COMPASS SWING BASE,50 X 50 FT		1/INSTALLATION	1.0	14	11	211	125		36	161
112110CC	HOT REFUELING PAD,2EA 50 X 50 FT		2/INSTALLATION	1.0	38	32	2297	238		81	319
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
613120BA	NAVIGATION AIDS BUILDING,24 X 24 FT		1/INSTALLATION	1.0	20	22	13194	9	436	415	860
113315BA	CONTROL TOWER LOW DENSITY TRAFFIC		1/INSTALLATION	1.0	16	21	4632	1	706	141	848
113470AA	WIND DIRECTION INDICATOR		1/INSTALLATION	1.0			304		3	3	6
141108B	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
114111BA	FIRE AND RSQ STA,FAC NO.73010AC		1/INSTALLATION	1.0	192	283	39238	80	1173	216	1469
114910AN	AIRCRAFT REVETMENT,IMPROVED,OH-58		OH-58 AIRCRAFT	20.0	220	160	56000		1131	2059	3190
114910AR	AIRCRAFT REVETMENT,IMPROVED,UH-1D/H		UH-1 AIRCRAFT	17.0	255	204	66623		1306	2194	3500
121110CB	ORG MNT HANGAR,105 X 112 FT		UH-1 AIRCRAFT	1.0	121	198	247180	238		307	545
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
142183BA	AMMUNITION STORAGE,24 X 36 FT			1.0	25	27	17138	1		1	2
85110BT	ROAD CLASS C, 1@ MULTIPLE SURFACE		PROVIDE ACCESS	2.3	918	690	9628	564		100	664
85110CN	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	20	15	199	24		12	36
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	2.3	28	14	15992	5843		2131	7974
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
18712OBB	DRAINAGE HELIPORT,11 ACRES		1 IN./HR	1.0	14	17	9880	29		29	58
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		PERIM FENCING	9.0	153	459	108666	1631		5220	6851
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			6.0	6	12	1674	52		104	156
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			7.0	7	14	2807	71		152	223
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			14.0			1526	203		162	365
					3079	3818	933770	18101	8463	19091	45655

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TROPIC CLIMATE

AIRCRAFT PARKING AND MAINTENANCE,COLLOCATED WITH AIRFORCE AG4132
AIRFIELD,MIN FACILS FOR 18 AIRCRAFT,6 OV-1B AND 12 OV-1C OF
THE MIL.INTEL.CO.,INSTALLATION DWG.SHEET 36 OF 65,
INITIAL STD, SUPPORT AREA,GRADED AND DRAINED,
SURFACING HEAVY DUTY MEMBRANE,PERSONNEL FACIL-ORGANIC TOE
EQPT,REAL ESTATE REQT FOR INST-13 ACRES REQD FROM LOCAL
SOURCE---COARSE AGGR,634 CY,FINE AGGR,536 CY,MINERAL FILLER,

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AE	CLEAR AREA,1000 SY			7.2	14	7	7531	438		177	615
111210AA	TAXIWAY W/25 FT SHOULDERS,500 X 30		OV-1 AIRCRAFT	.5	15	10	27302	178		99	277
111210AC	TAXIWAY W/25 FT SHOULDERS,50 X 50		OV-1 AIRCRAFT	2.0	4	6	15186	148		99	247
111310AA	FIXED-WING AC PARK APR W/TAXILANE		OV-1 AIRCRAFT	4.0	56	12	125640	673		348	1021
111370AC	AIRCRAFT WASHING APRON,40 X 50 FT		1/INSTALLATION	1.0	1	3	6498	32		15	47
111371AC	DEFUEL/DECONTN APR,80 X 50 FT		1/INSTALLATION	1.0	3	5	12996	48		28	76
111382AA	SPECIAL PURPOSE APRON W/TAXILANE		OV-1 AIRCRAFT	1.0	16	4	35660	203		104	307
12110AH	SUPPORT ACFT REFUELING 30000 G STOR		5 DAY SUPPLY	2.0	16	40	131052	441	336	928	1705
142183AB	AMMUNITION STORAGE,2500SF			.3				1		1	2
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	.8	535	362	2676	176		51	227
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	40	27	200	16		6	22
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	.8	10	5	5562	2032		741	2773
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
187120AD	DRAINAGE FIXED-WING AC,11 ACRES		1 IN./HR	1.0				9		4	13
					713	482	372064	4520	336	2646	7502

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TROPIC CLIMATE

AIRCRAFT PARKING AND MAINTENANCE,COLLOCATED WITH AIRFORCE AG4232
AIRFIELD,MIN FACILS FOR 18 AIRCRAFT,6 OV-1B,AND 12 OV-1C OF
THE MIL.INTEL.CO.,INSTALLATION DWG.SHEET 37 OF 65,
CLIMATE,INITIAL ALTERNATE STANDARD,SUPT AREA,GRADED, DRAINED
SURFACING M8A1 LANDING MAT PERSONNEL FACIL-TROOP CAMP INST
NO NT1421,REAL ESTATE REQT FOR INST-24 ACRES,REQD FROM LOCAL
SOURCE---COARSE AGGR,476 CY,FINE AGGR 402 CY,MINERAL FILLER,

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	GENL	TOT
111120AE	CLEAR AREA,1000 SY			9.0	18	9	9414	548		222	770
111210BA	TAXIWAY W/25 FT SHOULDERS,1000 X 30		OV-1 AIRCRAFT	.4	66	38	48913	286		271	557
111310BA	FIXED-WING AC PARK APR W/TAXILANE		OV-1 AIRCRAFT	4.1	381	209	210396	1135		1355	2490
111340BC	HANGAR ACCESS,248 X 100 FT			1.0	109	80	76893	291		526	817
111370AE	AIRCRAFT WASHING APRON,60 X 50 FT		1/INSTALLATION	1.0	1	3	6498	41		22	63
111371AC	DEFUEL/DECONTN APR,80 X 50 FT		1/INSTALLATION	1.0	3	5	12996	48		28	76
111382BA	SPECIAL PURPOSE APRON W/TAXILANE		OV-1 AIRCRAFT	1.0	110	60	62723	313		342	655
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
14110BB	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
121110BA	ORG MNT HANGAR,76 X 88 FT		OV-1 AIRCRAFT	3.0	138	240	451926	522		922	1444
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
142183BA	AMMUNITION STORAGE,24 X 36 FT			1.0	25	27	17138	1		1	2
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		PROVIDE ACCESS	.6	401	271	2007	132		38	170
85110DG	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	40	27	200	16		6	22
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	.6	7	4	4172	1524		556	2080
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
187120BD	DRAINAGE FIXED-WING AC,14 ACRES		1 IN./HR	1.0	8	13	4391	13		15	28
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		SECUR FENCE	4.0	468	280	7848	162		650	812
					1976	2260	1040778	5530	3708	7546	16784

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TROPIC CLIMATE

AIRCRAFT PARKING AND MAINTENANCE,COLLOCATED WITH AIRFORCE AG4332
AIRFIELD,MIN FACILS FOR 18 AIRCRAFT,6 OV-1B,AND 12 OV-1C OF
THE MIL.INTEL.CO.,INSTALLATION DWG.SHEET 38 OF 65,
TEMPORARY STD,SUPPORT AREA,GRADED AND DRAINED,
SURFACING BITUMINOUS PAVEMENT,PERSONNEL FACIL-TROOP CAMP
INST NO NT1621,REAL ESTATE REQT FOR INST-24 ACRES,REQD FROM
LOCAL SOURCE---COARSE AGGR,2263 CY,FINE AGGR,1027 CY,MINERAL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111120AE	CLEAR AREA,1000 SY		OV-1 AIRCRAFT	9.1	18	9	9519	554		224	778
111210CA	TAXIWAY W/25 FT SHOULDERS,1000 X 30		OV-1 AIRCRAFT	.4	96	77	6200	342		131	473
111310CA	FIXED-WING AC PARK APR W/TAXILANE		OV-1 AIRCRAFT	4.1	623	496	14699	1326		452	1778
111340CC	HANGAR ACCESS,248 X 100 FT			1.0	185	148	2479	291		83	374
111370CC	AIRCRAFT WASHING APRON,60 X 50 FT		1/INSTALLATION	1.0	23	18	302	49		12	61
111371CC	DEFUEL/DECONTN APR,80 X 50 FT		1/INSTALLATION	1.0	30	24	404	65		17	82
111382CA	SPECIAL PURPOSE APRON W/TAXILANE		OV-1 AIRCRAFT	1.0	181	144	4471	377		139	516
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT		1.0	1	1	1246	12	75	29	116
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
14110BB	AFOPS BLDG 2160SF PNL WD BLDG W/ IN		1/INSTALLATION	1.0	170	953	96409	26	2712	769	3507
121110CA	ORG MNT HANGAR,76 X 88 FT		OV-1 AIRCRAFT	3.0	213	315	434034	500		626	1126
141120BA	FLAMMABLE STORAGE,12 X 24 FT			1.0	14	13	3322	1		1	2
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE	1000 BBL	5 DAY SUPPLY	1.0	1	14	8663	116	450	218	784
142183BA	AMMUNITION STORAGE,24 X 36 FT			1.0	25	27	17138	1		1	2
85110BT	ROAD CLASS C, 1@ MULTIPLE SURFACE		PROVIDE ACCESS	.6	239	180	2512	147		26	173
85110CN	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD		AS REQUIRED	.4	20	15	199	24		12	36
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		PROVIDE ACCESS	.6	7	4	4172	1524		556	2080
85210AY	HARDSTAND GRADED AND DRAINED 1000SY		AS REQUIRED	.4	3	1	1761	125		45	170
187120BD	DRAINAGE FIXED-WING AC,14 ACRES		1 IN./HR	1.0	8	13	4391	13		15	28
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		PERIM FENCING	4.0	68	204	48296	725		2320	3045
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			3.0	3	6	837	26		52	78
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			4.0	4	8	1604	41		87	128
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			15.0			1635	218		174	392
					1944	2682	678155	6721	3708	7519	17948

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TROPIC CLIMATE

RUNWAY,ARMY,MIN.FACILITIES FOR C-130 ACRAFT INSTALLATION DWG AG5032
SHEET 39 OF 65,INITIAL ALTERNATE STD.,SUPPORT
AREA,GRADED AND DRAINED,SURFACING M8A1 LANDING MAT,REQD
FROM LOCAL SOURCES---COARSE AGGR,1030 CY,FINE AGGR,870 CY,
MINERAL FILLER,389 CY,COMBAT BN CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
111110BA	RUNWAY W/40 FT SHOULDERS,1000 X 96		C-130 AIRCRAFT	3.5	1561	872	918162	4603		4507	9110
111110BB	RUNWAY LENGTH CORRECTION,100 X 96		TEMP AND ALT	.0							
111110BC	RUNWAY OVERRUN,300 X 96 FT		C-130 AIRCRAFT	2.0	16	12	11158	418		122	540
111110BD	RUNWAY TURNAROUND,2EA 200 X 52 FT		C-130 AIRCRAFT	1.0	91	49	49689	299		310	609
111110BE	ON-OFF TAXIWAY,100 X 36 FT		C-130 AIRCRAFT	6.0	114	66	78888	496		426	922
111110BF	APPROACH ZONE,32000X596-2500 FT		C-130 AIRCRAFT	2.0				232			232
111110BG	LANDING AREA GRADED-DRAINED,1000SY			39.0	78	39	47580	3223		961	4184
111110BH	CLEAR ZONE,500X249-596 FT		C-130 AIRCRAFT	2.0	72	58	50212	635		354	989
111350BA	WARM-UP APRON,100 X 96 FT		C-130 AIRCRAFT	2.8	123	67	70459	422		613	1035
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI		AS REQUIRED	2.2	1472	994	7359	485		140	625
85130KH	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQUIRED	2.2	26	13	15297	5589		2038	7627
87120BE	DRAINAGE FIXED-WING AC,9 ACRES		1 IN./HR	1.0	10	16	7773	32		29	61
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		SECUR FENCE	11.9	1392	833	23348	483		1933	2416
					4955	3019	1279925	16917		11433	28350

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TROPIC CLIMATE

RUNWAY,ARMY,MIN.FACILITIES FOR C-130 ACRAFT INSTALLATION DWG AG5042
SHEET 40 OF 65 TEMPORARY STD,REAR AREA,
GRADED AND DRAINED,SURFACING BITUMINOUS PAVEMENT,REQD FROM
LOCAL SOURCES---COARSE AGGR,18766 CY,FINE AGGR,9383 CY,
MINERAL FILLER,2540 CY,COMBAT BN AND SUP CO CONSTR

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	IN MANHOURS GENL	IN MANHOURS TOT
111110BG	LANDING AREA GRADED-DRAINED,1000SY			47.0	94	47	57340	3885		1159	5044
111110CA	RUNWAY W/50 FT SHOULDERS,1000 X 150		C-130 AIRCRAFT	6.0	9348	7722	295476	15660		7856	23516
111110CB	RUNWAY LENGTH CORRECTION,100 X 150		TEMP AND ALT	.0							
111110CC	RUNWAY OVERRUN,500 X 150 FT		C-130 AIRCRAFT	2.0	42	34	28594	966		360	1326
111110CD	RUNWAY TURNAROUND,2EA 200 X 25 FT		C-130 AIRCRAFT	1.0	103	85	1567	258		81	339
111110CE	ON-OFF TAXIWAY,100 X 36 FT		C-130 AIRCRAFT	6.0	234	192	13206	1009		374	1383
111110CF	APPROACH ZONE,32000X670-3500 FT		C-130 AIRCRAFT	2.0				232			232
111110CH	CLEAR ZONE,500X320-670 FT		C-130 AIRCRAFT	2.0	82	66	57536	748		418	1166
111350CA	WARM-UP APRON,100 X 100 FT		C-130 AIRCRAFT	2.8	291	241	7356	694		211	905
85110AB	ROAD,CLASS A,1IN MULT. SURF.	1MI	AS REQUIRED	3.0	2328	1791	27264	1270		222	1492
85130AY	ROAD,CLASS A,GRADED AND DRAINED	1MI	AS REQUIRED	3.0	48	24	28476	10875		4372	15247
187120CA	DRAINAGE FIXED-WING AC,22 ACRES		1 IN./HR	1.0	27	35	15015	49		46	95
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		PERIM FENCING	17.0	289	867	205258	3081		9860	12941
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			2.0	2	4	558	17		35	52
87210AG	GATE,VEH CHAINL DBL/LEAF 12WI 10 HI			2.0	2	4	802	20		44	64
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN			12.0			1308	174		139	313
					12890	11112	739756	38938		25177	64115

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TROPIC CLIMATE

SIGNAL INTELEGENCE INSTALLATION,TEMPORARY STANDARD OF CONST RUCTION, TROPIC CLIMATE. 400 MAN TROOP CAMP FACILITIES ARE INCLUDED. WOOD FRAME FACILITIES FOR SUPPORT AND PRE-ENG METAL FOR OPERATIONS,REQUIRES 39.65 ACRES,1597 CUBIC YARDS OF COARSE AGGR.,25000GPD WATER AND 7000GPD SEWAGE. CC1012

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	GENL	TOT
413120AG	SIGINT OPS/CMD BLDG 80X100 DESERT	8000SF	AS REQUIRED	1.0	47090	554118	23822249	690	9570	1656	11916
413120AH	SIGINT OPS/COMP BLDG.80X100 DESERT	8000SF	AS REQUIRED	1.0	47092	554115	23831869	690	9570	1656	11916
413120AJ	SIGINT INST/OPRS BLDG 80X100FT DSRT	8000SF	AS REQUIRED	1.0	47084	554107	23824757	690	9570	1714	11974
413120AK	SIGINT ELE/SUPLY BLDG 80X100FT DSRT	8000SF	AS REQUIRED	1.0	47086	554109	23822550	690	9570	1714	11974
21410GG	2400 SQ.FT. BUILDING GG WOOD		1PER INST	1.0	712	636	54627	534	4247	1389	6170
44110BA	STOREHOUSE WD FR BLDG 20X50X8	20X50X8FT	AS REQUIRED	1.0	22	27	4897	46	668	197	911
550108C	DISP.TROOP,20X60 W/O WARD,WD W/INT		1 PER INST	1.0	34	48	12751				
161050BN	HQTRS & UNIT SUP BLDG 20X 40X8	20X40X8FT	AS REQUIRED	1.0	19	25	4628	41	625	116	782
172111AW	BRKS 50MAN 20X100 WOOD BLDG	20X100X8FT	72 SF PER MAN	8.0	360	440	74808	522	8712	2158	11392
72210GB	INT,KIT+DNG 5-11HD MAN 60X120FT D/T		1PER INSTAL	1.0	38	88	194536		4346	758	5104
173015ED	GUARD HOUSE WD FRAME BLDG W/INTER	20X60X8FT	AS REQUIRED	1.0	28	36	7290	41	670	162	873
174050AR	GUARD HOUSE WD FRAME BLDG W/INTER	20X60X8FT	1 PER INST	1.0	28	36	7290	41	670	162	873
181110CV	GEN PLANT 1.5 MW IN BLDGS TEMPERATE		AS REQUIRED	1.0	160	335	340318	131	8229	1798	10158
81242BE	ELECT DIST FOR SIGINT INST.	8000SF	AS REQUIRED	1.0	29174	332893	45114371	290	870	870	2030
83111BM	ELECT DIST FOR SIGINT INST.	8000SF	AS REQUIRED	1.0	29174	332893	45114371	290	870	870	2030
83140CC	CONVENT SEW LAG 2 ACRES W/O LINER		AS REQUIRED	2.0	114	236	54866	1183	11359	766	13308
84120AB	WATER SUPLY WELL 200GPM&21MGAL STOR	500 BBL STR	AS REQUIRED	1.0	21	47	24204	702	187	319	1208
84120AC	WATER TANK TOWER 4200 GAL W/ACCESOR	200 GAL	AS REQUIRED	1.0	9	22	7950		152	6	158
84140CC	WATER TANK TOWER 4200 GAL W/ACCESOR	200 GAL	AS REQUIRED	2.0	18	44	15900		305	12	317
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	1.0	7	5	145	23	157	168	348
85110AL	ROAD PAVEMENT,CLASS A,CLD MIX BITUM		AS REQUIRED	.6	566	451	7608	285		104	389
85110BH	ROAD PAVEMENT,CLASS B,CLD MIX BITUM		AS REQUIRED	.1	82	65	1094	43		16	59
85110CJ	ROAD PAVEMENT,CLASS C,STAB SURFACE		AS REQUIRED	.6	265	179	1326	107		35	142
85110DB	HARDSTAND,CLD MIX BITUM,STAB BASE		AS REQUIRED	3.0	156	129	2337	152		52	204
85130AH	ROAD,CLASS A,GRADED AND DRAINED		AS REQUIRED	.6	2	4	1322	1790		746	2536
85130EM	ROAD,CLASS B,GRADED AND DRAINED 1MI		AS REQUIRED	.1		1	196	270		112	382
85130JT	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQUIRED	.6	2	2	808	1172		463	1635
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	39.7				5066		1842	6908
87210AB	FENCE,BARBED WIRE W/2 OTGR 1000LF		AS REQUIRED	2.0	12	16	3346	1015	1740	1740	4495
87210AM	GATE,VEH SGL/LEAF 12 FT WI 10 FT HI		AS REQUIRED	4.0	8	8	4092	41	58	70	169
87210AP	SECURITY FENCE TYPE X 1000 FEET	1000 FEET	AS REQUIRED	8.0	64	72	13248	534	2946	2970	6450
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
87230AA	SENTRY BOX 4X4		AS REQUIRED	2.0			244	276	1160	580	2016
					2494	3128	85191 86370662	17378	86599	25360	129337

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TROPIC CLIMATE

SIGNAL INTELEGENCE STATION,TEMPORARY STANDARD OF CONSTRUCTION TROPIC CLIMATE. 50 MAN TROOP CAMP FACILITIES ARE INCLUDED. WOOD FRAME FACILITIES FOR SUPPORT AND PRE ENGINEERED METAL FOR OPERATIONS REQUIRES 9.69 ACRES,157 CUBIC YARDS OF COARSE AGGR.2500GPD OF WATER.700GPD SEWAGE. CC1022

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
313120AW	SIGINT INST. OPRS CMD.FRIGID	8000SF	AS REQUIRED	1.0	47090	554118	23822618	690	9570	1656	11916
313120AY	SIGINT INST.OPS.COMP. FRIGID	8000SF	AS REQUIRED	1.0	47092	554115	23832238	690	9570	1656	11916
172111AW	BRKS 50MAN 20X100 WOOD BLDG	20X100X8FT	72SQFT PERMAN	2.0	90	110	18702	131	2178	539	2848
81242BF	ELECT. DIST. FOR SIGINT STATION	8000SF	AS REQUIRED	1.0	46648	231959	73694001	145	435	435	1015
83111BK	ELECT. DIST. FOR SIGINT STATION	8000SF	AS REQUIRED	1.0	46648	231959	73694001	145	435	435	1015
85110BM	ROAD PAVEMENT,CLASS B,STAB SURFACE		AS REQUIRED	.1	69	46	344	27		9	36
85130EM	ROAD,CLASS B,GRADED AND DRAINED 1MI		AS REQUIRED	.1		1	196	270		112	382
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	9.7				1238		450	1688
87210AB	FENCE,BARBED WIRE W/2 OTGR 1000LF		AS REQUIRED	2.0	12	16	3346	1015	1740	1740	4495
87210AM	GATE,VEH SGL/LEAF 12 FT WI 10 FT HI		AS REQUIRED	4.0	8	8	4092	41	58	70	169
87210AP	SECURITY FENCE TYPE X 1000 FEET	1000 FEET	AS REQUIRED	3.0	24	27	4968	200	1105	1114	2419
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					1876851572363		95075170	4615	25439	8355	38409

TROPIC CLIMATE

AMMO STORAGE,12000 TON CAP.,TROPICAL CLIMATE,INITIAL STD. DA1062
DWG.DA1062 PROVIDES EARTH BARRICADED STORAGE ON PAVED HARD-
STANDS,HELIPORT,INTERNAL ROADS,LIGHTED SECURITY FENCE,20FTX
100FT OPER.BLDG.,20FTX20FT SUB-OPER.BLDGS.,GUARD TOWERS,
SENTRY BOXES AND PIT LATRINES.REQUIRES 1584.0 ACRES FOR IN-
STALL.PLUS 1142.0ACRES CONTROL AREA.ITEMS PROCURED LOCALLY
-282538CY FILL,28002CY COARSE AGG.,10183CY FINE AGG.,2637CY

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	GENL	TOT
11130AA	HELIPORT,C47 SLINGOUT AREA		AS REQD.	1.0	11	7	6894	1507		703	2210
14930AA	EARTH BARRICADE,AMMO STORAGE,100LF		AS REQD.	146.5			58454	5523		5948	11471
44110BE	STOREHOUSE WD FR BLDG 20X20X8	20X20X8FT	90SF/MAN	3.0	30	33	5829	100	1140	231	1471
161050BP	HQTRS & UNIT SUP BLDG 20X100X8	20X100X8FT	90SF/MAN	1.0	44	60	11736	94	1840	392	2326
72321BB	LATRINE,PIT TYPE,2 SEATS,4X5X8,WOOD	5X4X8FT	AS REQD.	7.0	7	7	658		406	81	487
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160EM OR 80FF	1.0	8	9	1559	3	290	46	339
81240GC	ELECTRICAL DISTRIBUTION SYSTEM, ONE	1 MILE \ 2	AS REQD.	8.8	158	167	72934	1723	14419	8549	24691
81260AE	TRANSFORMER ASSY 5KVA SGL PHASE CSP		AS REQD.	33.0	33	33	27654		2297		2297
81260AG	SP XFMR ASSY 15KVA 1PH 4160-120/240		AS REQD.	1.0	1	1	731		75		75
81260BB	SP XFMR ASSY 225 KVA 4160-208Y/120		AS REQD.	1.0	3	3	3491		151		151
85110AC	ROAD PAVEMENT,CLASS A,HOT MIX BITUM		AS REQD.	8.5	8033	6401	107253	4166		1479	5645
85110BU	ROAD PAVEMENT,CLASS C,HOT MIX BITUM		AS REQD.	2.7	1409	1110	17688	779		282	1061
85110CP	HARDSTAND,HOT MIX BITUM,STAB BASE		AS REQD.	23.9	1243	1028	18546	1248		416	1664
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQD.	5.7	239	160	1197	198		66	264
85111AD	RDWY PVMT HVY WH BSC 1MI 3IN ASPH		AS REQD.	1.5	1508	1206	20222	857		320	1177
85111AP	RDWY PVMT HVY WH 2FT INCR 3IN ASPH		AS REQD.	18.0	2394	1980	35874	1488		600	2088
85111EB	RDWY HVY WH BSC 4FT SHLDRS 12IN THK		AS REQD.	1.5	5	5	2316	940		272	1212
85111EM	RDWY HVY WH 2FT INCR 12IN THK		AS REQD.	18.0			1980	1331		287	1618
85111KB	HDSTD HVY WH 1000SY 4FT SHLDR 12IN		AS REQD.	45.0	90	90	33075	3719		718	4437
85130AK	ROAD,CLASS A,GRADED AND DRAINED		AS REQD.	8.5	34	34	16881	13496		4708	18204
85130JV	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQD.	2.7	5	5	3278	3132		1030	4162
85210AK	HARDSTAND,1000 SQ YDS,NO ROCK		AS REQD.	29.6	89	30	49314	3090		1116	4206
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQD.	8.0	16	16	2656	93	1392	557	2042
87210AU	SECURITY FENCE, TYPE X CONVERTED TO	1000 FEET	AS REQD.	38.1	38	38	57074		11933		11933
87230AA	SENTRY BOX 4X4		AS REQD.	3.0			366	413	1740	870	3023
					15398	12423	557660	43900	35683	28671	108254

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TROPIC CLIMATE

AMMO STORAGE,35000 TON CAP.,TROPICAL CLIMATE,INITIAL STD. DA1072
DWG.DA1072 PROVIDES EARTH BARRICADED STORAGE ON PAVED HARD-
STANDS,HELIPORT,INTERNAL RIADS,LIGHTED SECURITY FENCE,20FTX
100FT OPER.BLDGS.,20FTX20FT SUB-OPER.BLDGS.,GUARD TOWERS,
SENTRY BOXES AND PIT LATRINES.REQUIRES 1732.0 ACRES FOR IN-
STALL.PLUS 1414.0 ACRES CONTROL AREA.ITEMS PROCURED LOCALLY
,541167CY FILL,42196CY COARSE AGG.,17895CY FINE AGG.,5094CY

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
11130AA	HELIPORT,C47 SLINGOUT AREA		AS REQD.	1.0	11	7	6894	1507		703	2210
14930AA	EARTH BARRICADE,AMMO STORAGE,100LF		AS REQD.	279.0			111321	10518		11327	21845
44110BE	STOREHOUSE WD FR BLDG 20X20X8	20X20X8FT	90SF/MAN	3.0	30	33	5829	100	1140	231	1471
161050BP	HQTRS & UNIT SUP BLDG 20X100X8	20X100X8FT	90SF/MAN	2.0	88	120	23472	189	3680	783	4652
72321BB	LATRINE,PIT TYPE,2 SEATS,4X5X8,WOOD	5X4X8FT	AS REQD.	12.0	12	12	1128		696	139	835
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160EM OR 80FF	1.0	8	9	1559	3	290	46	339
81240GC	ELECTRICAL DISTRIBUTION SYSTEM, ONE	1 MILE \ 2	AS REQD.	9.3	167	177	77078	1820	15238	9035	26093
81260AE	TRANSFORMER ASSY 5KVA SGL PHASE CSP		AS REQD.	35.0	35	35	29330		2436		2436
81260AH	SP XFMR ASSY 25KVA 1PH 4160-120/240		AS REQD.	1.0	1	1	668		80		80
81260BA	SP XFMR ASSY 150 KVA 4160-208Y/120		AS REQD.	1.0	2	2	2674		141		141
81260BB	SP XFMR ASSY 225 KVA 4160-208Y/120		AS REQD.	1.0	3	3	3491		151		151
85110AC	ROAD PAVEMENT,CLASS A,HOT MIX BITUM		AS REQD.	8.0	7560	6024	100944	3921		1392	5313
85110BU	ROAD PAVEMENT,CLASS C,HOT MIX BITUM		AS REQD.	3.4	1775	1397	22273	981		355	1336
85110CP	HARDSTAND,HOT MIX BITUM,STAB BASE		AS REQD.	37.1	1929	1595	28790	1937		646	2583
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQD.	5.7	239	160	1197	198		66	264
85111AD	RDWY PVMT HVY WH BSC 1MI 3IN ASPH		AS REQD.	3.0	3015	2412	40443	1714		639	2353
85111AP	RDWY PVMT HVY WH 2FT INCR 3IN ASPH		AS REQD.	18.0	2394	1980	35874	1488		600	2088
85111EB	RDWY HVY WH BSC 4FT SHLDRS 12IN THK		AS REQD.	3.0	9	9	4632	1879		544	2423
85111EM	RDWY HVY WH 2FT INCR 12IN THK		AS REQD.	18.0			1980	1331		287	1618
85111KB	HDSTD HVY WH 1000SY 4FT SHLDR 12IN		AS REQD.	110.3	221	221	81071	9116		1759	10875
85130AK	ROAD,CLASS A,GRADED AND DRAINED		AS REQD.	8.0	32	32	15888	12702		4431	17133
85130JV	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQD.	3.4	7	7	4128	3944		1297	5241
85210AK	HARDSTAND,1000 SQ YDS,NO ROCK		AS REQD.	42.8	128	43	71305	4468		1614	6082
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQD.	8.0	16	16	2656	93	1392	557	2042
87210AU	SECURITY FENCE, TYPE X CONVERTED TO	1000 FEET	AS REQD.	40.8	41	41	61118		12779		12779
87230AA	SENTRY BOX 4X4		AS REQD.	3.0			366	413	1740	870	3023
					17723	14336	736109	58322	39763	37321	135406

TROPIC CLIMATE

AMMO STORAGE,70000 TON CAP.,TROPICAL CLIMATE,INITIAL STD. DA1082
DWG.DA1082 PROVIDES EARTH BARRICADED STORAGE ON PAVED HARD-
STANDS,HELIPORT,INTERNAL RDS.,LIGHTED SECURITY FENCE,50000SF
OPER.BLDG.,20FTX20FT SUB-OPER.BLDGS.,GUARD TOWERS,SENTRY
BOXES AND PIT LATRINES.REQUIRES 2117.0 ACRES FOR INSTALL.
PLUS 1761.0 ACRES CONTROL AREA.ITEMS PROCURED LOCALLY,
990998 CY FILL,50088CY COARSE AGG.,23328CY FINE AGG.,7023CY

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
11130AA	HELIPORT,C47 SLINGOUT AREA		AS REQD.	1.0	11	7	6894	1507		703	2210
14930AA	EARTH BARRICADE,AMMO STORAGE,100LF		AS REQD.	514.1			205126	19382		20872	40254
44110BE	STOREHOUSE WD FR BLDG 20X20X8	20X20X8FT	90SF/MAN	3.0	30	33	5829	100	1140	231	1471
161050BW	ADMIN SUP BLDG,WD FR,30FTX70FTX8FT		90SF/MAN	1.0	47	54	8948	73	1341	276	1690
161050BY	ADMIN SUP BLDG,WD FR 30FTX50FTX8FT		90SF/MAN	2.0	70	78	13098	102	2320	406	2828
72321BB	LATRINE,PIT TYPE,2 SEATS,4X5X8,WOOD	5X4X8FT	AS REQD.	14.0	14	14	1316		812	162	974
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160EM OR 800F	1.0	8	9	1559	3	290	46	339
81240GC	ELECTRICAL DISTRIBUTION SYSTEM, ONE	1 MILE \ 2	AS REQD.	9.4	169	179	77907	1840	15402	9132	26374
81260AE	TRANSFORMER ASSY 5KVA SGL PHASE CSP		AS REQD.	37.0	37	37	31006		2575		2575
81260AH	SP XFMR ASSY 25KVA 1PH 4160-120/240		AS REQD.	1.0	1	1	668		80		80
81260BA	SP XFMR ASSY 150 KVA 4160-208Y/120		AS REQD.	1.0	2	2	2674		141		141
81260BB	SP XFMR ASSY 225 KVA 4160-208Y/120		AS REQD.	1.0	3	3	3491		151		151
85110AC	ROAD PAVEMENT,CLASS A,HOT MIX BITUM		AS REQD.	8.4	7938	6325	105991	4117		1462	5579
85110BU	ROAD PAVEMENT,CLASS C,HOT MIX BITUM		AS REQD.	3.9	2036	1603	25549	1125		407	1532
85110CP	HARDSTAND,HOT MIX BITUM,STAB BASE		AS REQD.	40.6	2111	1746	31506	2119		706	2825
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQD.	5.7	239	160	1197	198		66	264
85111AD	RDWY PVMT HVY WH BSC 1MI 3IN ASPH		AS REQD.	5.2	5226	4181	70101	2971		1108	4079
85111AP	RDWY PVMT HVY WH 2FT INCR 3IN ASPH		AS REQD.	18.0	2394	1980	35874	1488		600	2088
85111EB	RDWY HVY WH BSC 4FT SHLDRS 12IN THK		AS REQD.	5.2	16	16	8029	3257		943	4200
85111EM	RDWY HVY WH 2FT INCR 12IN THK		AS REQD.	18.0			1980	1331		287	1618
85111KB	HDSTD HVY WH 1000SY 4FT SHLDR 12IN		AS REQD.	156.7	313	313	115175	12951		2499	15450
85130AK	ROAD,CLASS A,GRADED AND DRAINED		AS REQD.	8.4	34	34	16682	13337		4653	17990
85130JV	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQD.	3.9	8	8	4735	4524		1487	6011
85210AK	HARDSTAND,1000 SQ YDS,NO ROCK		AS REQD.	46.3	139	46	77136	4834		1746	6580
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQD.	8.0	16	16	2656	93	1392	557	2042
87210AU	SECURITY FENCE, TYPE X CONVERTED TO	1000 FEET	AS REQD.	41.5	42	42	62167		12998		12998
87230AA	SENTRY BOX 4X4		AS REQD.	3.0			366	413	1740	870	3023
					20904	16887	917660	75765	40382	49219	165366

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TROPIC CLIMATE

AMMO STORAGE,3500 TON CAP.,TROPICAL CLIMATE,INITIAL STD. DA1092
DWG.DA1092 PROVIDES UNBARRICADED STORAGE ON GRAVEL HARDSTAND
,HELIPORT AND INTERNAL GRAVEL ROADS.REQUIRES 1093 ACRES FOR
INSTALLATION PLUS 1331 ACRES CONTROL AREA.ITEMS PROCURED
LOCALLY,960CY COARSE AGG.,807CY FINE AGG.,365CY MINERAL
FILLER.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
11130AA	HELIPORT,C47 SLINGOUT AREA		1/INST.	1.0	11	7	6894	1507		703	2210
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQD.	19.2	806	538	4032	668		223	891
85210AK	HARDSTAND,1000 SQ YDS,NO ROCK		AS REQD.	19.2	58	19	31987	2004		724	2728
					875	564	42913	4179		1650	5829

TROPIC CLIMATE

STORAGE,DRY CARGO, 50000 SF OPEN,ALL CLIMATES,STD 2, DC1169
NEW CONST,TENTAGE. PROVIDES 50000 SF STORAGE SPACE ON
EARTH,GRADED AND DRAINED. ADMINISTRATION IN TENT ERECTED
BY USING SERVICE,PIT TYPE LATRINES. MINIMUM REAL ESTATE
REQUIREMENT FOR INSTALLATION 7.4 ACRES,REQUIRED FROM LOCAL
SOURCE - FINE AGGREGATE,6 CY,COARSE AGGREGATE,7 CY.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	1.0	8	9	1559	3	290	46	339
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	1.0	7	5	145	23	157	168	348
					15	15	2874	26	447	220	693

TROPIC CLIMATE

STORAGE,DRY CARGO, 50000 SF OPEN,ALL CLIMATES,STD 4, DC1179
NEW CONST,TENTAGE. PROVIDES 50000 SF STORAGE SPACE ON
6 INCHES STABALIZED STONE W/ASPHALT BINDER. ADMIN. IN TENT
ERECTED BY USING SERVICE. PIT TYPE LATRINES.MIN. REAL ESTATE
REQUIREMENT FOR INSTALLATION--7.4 ACRES,REQUIRED FROM LOCAL
SOURCE - FINE AGGREGATE,1005 CY,COARSE AGGREGATE,1285 CY.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	1.0	8	9	1559	3	290	46	339
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	1.0	7	5	145	23	157	168	348
					15	15	2874	26	447	220	693

TROPIC CLIMATE

STORAGE,DRY CARGO,100000 SF OPEN,ALL CLIMATES,STD 2, NEW CONST,TENTAGE. PROVIDES 100000 SF STORAGE SPACE ON EARTH,GRADED AND DRAINED. ADMINISTRATION IN TENT ERECTED BY USING SERVICE,PIT TYPE LATRINES. MINIMUM REAL ESTATE REQUIREMENT FOR INSTALLATION 11.8 ACRES,REQUIRED FROM LOCAL SOURCE - FINE AGGREGATE,6 CY,COARSE AGGREGATE,7 CY. DC1189

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	1.0	8	9	1559	3	290	46	339
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	1.0	7	5	145	23	157	168	348
					15	15	2874	26	447	220	693

TROPIC CLIMATE

STORAGE,DRY CARGO,100000 SF OPEN,ALL CLIMATES,STD 4, DC1199
NEW CONST,TENTAGE. PROVIDES 100000 SF STORAGE SPACE ON 6 IN.
STAB. STONE W/ASPHALT BINDER. ADMINISTRATION IN TENT ERECTED
BY USING SERVICE,PIT TYPE LATRINES. MINIMUM REAL ESTATE
REQUIREMENT FOR INSTALLATION 11.8 ACRES,REQUIRED FROM LOCAL
SOURCE - FINE AGGREGATE, 1919 CY,COARSE AGGREGATE,2377 CY.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	1.0	8	9	1559	3	290	46	339
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	1.0	7	5	145	23	157	168	348
					15	15	2874	26	447	220	693

TROPIC CLIMATE

STORAGE,DRY CARGO,200000 SF OPEN,ALL CLIMATES,STD 2, DC1209
NEW CONST,TENTAGE. PROVIDES 200000 SF STORAGE SPACE ON
EARTH,GRADED AND DRAINED. ADMINISTRATION IN TENT ERECTED
BY USING SERVICE,PIT TYPE LATRINES. MINIMUM REAL ESTATE
REQUIREMENT FOR INSTALLATION 24.2 ACRES,REQUIRED FROM LOCAL
SOURCE - FINE AGGREGATE,11 CY,COARSE AGGREGATE,12 CY.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	2.0	16	18	3118	6	580	93	679
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	2.0	14	10	290	46	313	336	695
					30	29	4578	52	893	435	1380

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TROPIC CLIMATE

STORAGE,DRY CARGO,200000 SF OPEN,ALL CLIMATES,STD 4, DC1219
NEW CONST,TENTAGE. PROVIDES 200000 SF STORAGE SPACE ON 6 IN.
STAB. STONE W/ASPHALT BINDER. ADMINISTRATION IN TENT ERECTED
BY USING SERVICE,PIT TYPE LATRINES. MINIMUM REAL ESTATE
REQUIREMENT FOR INSTALLATION 24.2 ACRES,REQUIRED FROM LOCAL
SOURCE - FINE AGGREGATE,3800 CY,COARSE AGGREGATE,4690 CY.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	160 EM	2.0	16	18	3118	6	580	93	679
72520AA	TENTAGE,MED GEN PURP,32FTX16FT	10-16X32	ADMIN	.1		1	1170			6	6
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	2.0	14	10	290	46	313	336	695
					30	29	4578	52	893	435	1380

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TROPIC CLIMATE

MARINE RAILWAY REPAIR, TEMPORARY CONSTRUCTION STANDARD, WOOD FRAME BLDGS. PROVIDES 500-TON AND 1800-TON MARINE RAILWAYS WITH REPAIR AND MAINTENANCE SHOPS. REQUIRES 2 ACRES. AGGREGATE REQUIRED 352-CY FINE, 517-CY COARSE. UTILITIES REQUIRED BUT NOT PROVIDED 62.0 KW ELEC CONNECTED LOAD. FP1005

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR MANHOURS HORZ	EFFORT IN MANHOURS VERT	EFFORT IN MANHOURS GENL	EFFORT IN MANHOURS TOT
121330AE	SHOP MARINE REP 60X180X20,WD FR		MAINT&PRODUCTN	1.0	393	573	358729	262	11818	1034	13114
44110BE	STOREHOUSE WD FR BLDG 20X20X8	20X20X8FT	FOR WINCHES	1.0	10	11	1943	33	380	77	490
144110BF	STOREHOUSE WD FR BLDG 20X30X8	20X30X8FT	FOR WINCHES	1.0	14	16	2671	35	416	104	555
161050BP	HQTRS & UNIT SUP BLDG 20X100X8	20X100X8FT	80 SF/MAN	1.0	44	60	11736	94	1840	392	2326
81240AG	ELEC DISTR W/FLDLTG MARINE RWAY RPR		BLD & DOCK	1.0	5	7	4589	73	1160	508	1741
187190AA	SITE PREPARATION,ONE ACRE		REQUIRED AREA	2.0				255		93	348
					466	667	379668	752	15614	2208	18574

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TROPIC CLIMATE

GENERAL CARGO PORT-CONTAINER,BREAKBULK,RO-RO,LIGHTERAGE & PORTS,SERVICE VESSEL PIERS LST RAMP ON SHORE SUPPORTING FACILITIES,PIERS&CAUSEWAY FOR 20FT TIDE RANGE-GROUND SLOPE 15-PERCENT,BERTHING,RAMP & ONSHORE SUPPORTING FACILITIES FOR CAPACITY UP TO 14,880 TONS PER DAY, REQUIRES 300 ACRES, 1000 MAN TROOP CAMP(NT3611/NT1531) " 10 BAY MAINT. INST. (MT1081/MT2008),ALL UTILITIES INCLUDED WITH INSTALLATION. FP1105

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
011130AB	HELIPD,CH54,PAD/APPR/DEP.1-1/2IN HM		CH 54	1.0	152	120	3797	23		52	75
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40			.1	31	25	1649	91		36	127
12110AL	SPRT ACFT REFLNG 30000 G W/MANIFOLD	2		4.0	28	64	221056	928	812	2042	3782
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION		1.0	12	12	13862	218	471	1530	2219
14970AF	RAMP FOR LANDING CRAFT			1.0				261	73	363	697
15150EL	CONTAINER PIER,TRESTLE,& CAUSEWAY			1.0	13100	18399	23001817	9721	37462	15244	62427
15150EN	BREAKBULK-RO/RO PIER,TRESTLE & CWY.			1.0	16744	24253	34619662	10614	45893	19820	76327
15150EP	LIGHTERAGE PIER,TRESTLE & CAUSEWAY			1.0	6649	6888	5644858	3055	9016	4064	16135
15150ER	SERVICE PIER,TRESTLE,& CAUSEWAY			1.0	6605	6468	5688110	3461	7665	2577	13703
15150ET	PORT-SERVICE PIERS,TRESTLE & CWY.			1.0	10467	21662	17927489	3190	8720	2681	14591
121330AD	SHOP MARINE REP 40X100X12,STL FR			1.0	42	212	42634	389	4829	2401	7619
21410BY	VEH WASH RACK			5.0	105	75	7990	29	428	595	1052
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL		2.0	2	26	18516	232	928	377	1537
44110AL	STOREHOUSE STL FR BLDG 20X50X8	20X50X8FT	AS REQUIRED	1.0	10	56	11736	39	467	239	745
44110AP	WHSE CLOSED STL FR 80X220X12	80X220X12FT	AS REQUIRED	1.0	231	350	151045	431	4209	2703	7343
161050BH	ADMINISTRATION,HEADQUARTERS BLDG,ST	5000SF		2.0	36	94	61686	380	5066	2045	7491
161050CB	ADMIN.SUPPORT BLDG.30X50FT.ST FRAME		90 SF/OCCUP.	2.0	24	46	31480	102	2030	377	2509
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8		5.0	40	45	7795	15	1450	232	1697
373010AC	FS 6144SF WD FR BLDG OP-A W/ INTER			1.0	192	283	39238	178	6992	1112	8282
81110AG	GEN PLANT 300 KW 208Y/120 V OUTDOOR	20X 20X8		1.0	24	40	47996		1489	35	1524
181110DF	GEN PLANT 10.5 MW IN VANS TEMPERATE		1000 REEFERS	1.0	539	1205	1971219	387	10085	3770	14242
81240GE	LIGHTING-CONTAINERS-GEN,CARGO PORT			1.0	713	949	2829933	2039	52200	2900	57139
81240GF	AREA ILLUMINATION-GEN,CARGO PORT			1.0	27	30	93469	81	1705		1786
81240GG	AERIAL DISTRIBUTION-GEN,CARGO PORT			1.0	29	23	60429	23	2320		2343
81240GH	FIRE PUMP STATION-GEN,CARGO PORT			1.0	10	19	53428	35	1183		1218
81240GJ	PIERS-FEEDERS&EQPT-GEN,CARGO PORT			1.0	27	57	103840	94	2100		2194
82209AA	STEAM SYSTEM-GEN CARGO PORT ONSHORE			1.0	19	125	47913	853	2936	1705	5494
82209AB	STEAM SYSTEM-BRKBLK/RO-RO PIER			1.0	19	133	64284	1079	2494	1682	5255
82209AC	STEAM SYSTEM CONTAINER PIER			1.0	23	95	50430	705	1654	1102	3461
83210AA	SANITARY SYST-GEN CARGO PORT-SHORE			1.0	3	21	21840		1096	548	1644
84120AD	WATER TANK TOWER 10500 GAL W/ACCESS	10,500 GAL		1.0	8	18	7415		348		348
84210GA	PORTABLE WATER SYST-GEN CARGO SHORE		1000 MAN	1.0	12	245	1548649		4794	4794	9588
84330AF	FIRE WATER SYSTEM-GEN.CARGO ONSHORE			1.0	206	222	570022	2523	4846	2523	9892
84330AG	FIRE WATER SYSTEM-LIGHTERAGE PIER			1.0	7	22	11820	174	286	235	695
84330AH	FIRE WATER SYST.-BRKBLK/RO-RO PIER			1.0	53	185	242806	705	2018	1378	4101
84330AJ	FIRE WATER SYSTEM-SERVICE PIERS			1.0	12	35	22625	232	577	534	1343

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TROPIC CLIMATE

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
84330AK	FIRE WATER SYSTEM-CONTAINER PIER			1.0	38	320	144298	583	1726	1254	3563
84520AA	SEAWATER SYST-GEN CARGO PORT-SHORE			1.0	1	4	3484		394	394	788
84520AB	SEAWATER SYS.-BRKBLK/RO-RO PIER			1.0	1	6	6786	61	339	273	673
85110CN	HARDSTAND,APR,TXWY,OR RNWY 1000SQYD			95.4	4865	3625	47509	5810		2767	8577
85110ER	ROAD PAVEMENT,CLASS B,CLD MIX BITUM			25.2	15952	14742	407484	21632		17283	38915
85111AD	RDWY PVMT HVY WH BSC 1MI 3IN ASPH		AS REQUIRED	3.1	3116	2492	41791	1771		661	2432
85111AP	RDWY PVMT HVY WH 2FT INCR 3IN ASPH		AS REQUIRED	36.0	4788	3960	71748	2975		1201	4176
85111ED	RDWY HVY WH BSC 4FT SHLDRS 24IN THK		AS REQUIRED	1.0	4	3	1765	1008		351	1359
85111EE	RDWY HVY WH BSC 4FT SHLDRS 30IN THK		AS REQUIRED	2.1	8	6	3938	2476		907	3383
85111EP	RDWY HVY WH 2FT INCR 24IN THK		AS REQUIRED	12.0			1320	1166		348	1514
85111FB	HDSTD PVMT HVY WH 1000SY 3IN ASPH		AS REQUIRED	11.8	850	708	13924	907		359	1266
85111FD	HDSTD PVMT HVY WH 1000SY 3IN ASPH		AS REQUIRED	406.9	35400	29297	541991	39530		14160	53690
85111KA	HDSTD HVY WH 1000SY 4FT SHLDR 6IN		AS REQUIRED	11.8	24	12	8520	650		120	770
85111KD	HDSTD HVY WH 1000SY 4FT SHLDR 24IN		AS REQUIRED	128.6	257	257	97736	18833		4102	22935
85111KE	HDSTD HVY WH 1000SY 4FT SHLDR 30IN		AS REQUIRED	278.3	557	557	215126	48424		10492	58916
85210AG	HARDSTAND,1000 SQ YDS,NO ROCK			95.4	286	95	158936	8715		2767	11482
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI			2.0	2	4	558	17		35	52
87210AP	SECURITY FENCE TYPE X 1000 FEET	1000 FEET		9.1	73	82	15070	607	3352	3378	7337
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET		8.5	60	68	11934	592	2736	2761	6089
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1		8.0	16	16	2656	93	1392	557	2042
87230AA	SENTRY BOX 4X4			2.0			244	276	1160	580	2016
					122499	138756	97039356	198413	239741	144446	582600

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TROPIC CLIMATE

AMMUNITION PORT-CONTAINER,BREAKBULK & LIGHTERAGE PIERS,LST RAMP, BARRICADED CONTAINER MARSHALLING YARD, OTHER ONSHORE SUPPORTING FACILITIES, PIERS & CAUSEWAY FOR 20FT TIDE RANGE-GROUND SLOPE 15-PERCENT, BERTHING, RAMP & ONSHORE SUPPORTING FACILITIES FOR CAPACITY UP TO 9,880 TONS PER DAY. REQUIRES 5000 ACRES. UTILITIES INCLUDED WITH INSTALLATION. FP1115

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
011130AB	HELIPD,CH54,PAD/APPR/DEP.1-1/2IN HM		CH 54	1.0	152	120	3797	23		52	75
111210CB	TAXIWAY W/25 FT SHOULDERS,1000 X 40			.4	125	100	6595	365		143	508
14970AF	RAMP FOR LANDING CRAFT			1.0				261	73	363	697
15150EL	CONTAINER PIER,TRESTLE,& CAUSEWAY			1.0	13100	18399	23001817	9721	37462	15244	62427
15150EM	BREAKBULK PIER,TRESTLE,& CAUSEWAY			1.0	12990	16848	20522368	7676	31593	13852	53121
15150EP	LIGHTERAGE PIER,TRESTLE & CAUSEWAY			1.0	6649	6888	5644858	3055	9016	4064	16135
21850AB	BATT CHG FAC STL FR BLD W/INT 20X20			1.0	4	9	6858	32	567	189	788
161050BC	ADMIN BLDG STL FR-INTERIOR 20X30X8	20X30X8FT		1.0	5	11	9128	23	432	128	583
172321BA	ADMIN BLDG STL FR-INTERIOR 20X30X8	20X30X8FT		2.0	10	22	18256	46	864	255	1165
073010AA	FS 6144SF WD FR BLDG OP-A W/ INTER		AS REQUIRED	1.0	192	272	38303	178	6992	1112	8282
181110CV	GEN PLANT 1.5 MW IN BLDGS TEMPERATE		AS REQUIRED	1.0	160	335	340318	131	8229	1798	10158
81240GF	AREA ILLUMINATION-GEN,CARGO PORT			1.0	27	30	93469	81	1705		1786
81240GK	POWER EQPT & ROAD LIGHTG-AMMO PORT			1.0	1794	2106	2393611	8329	66723		75052
81240GL	LIGHTING-CONTAINER AREA-AMMO PORT			1.0	89	95	333681	940	5916		6856
81240GM	FIRE PUMP STATION-AMMUNITION PORT			1.0	6	6	36943	12	522		534
81240GP	FENCE LIGHTING-AMMUNITION PORT			1.0	58	65	293348	725	5278		6003
83120AF	SEPTIC TANK,500 GL, W/ DRAIN FIELD			2.0	2	2	2522		73	870	943
84330AG	FIRE WATER SYSTEM-LIGHTERAGE PIER			1.0	7	22	11820	174	286	235	695
84330AH	FIRE WATER SYST.-BRKBLK/RO-RO PIER			1.0	53	185	242806	705	2018	1378	4101
84330AK	FIRE WATER SYSTEM-CONTAINER PIER			1.0	38	320	144298	583	1726	1254	3563
84330AL	FIRE WATER SYSTEM-AMMO.PORT ONSHORE			1.0	519	661	3930813	3189	6090	3189	12468
85110CK	ROAD PAVEMENT,CLASS C,6IN STBL 1MI			5.5	3680	2486	18398	1212		351	1563
85111AD	RDWY PVMT HVY WH BSC 1MI 3IN ASPH			8.5	8543	6834	114589	4856		1812	6668
85111AP	RDWY PVMT HVY WH 2FT INCR 3IN ASPH			51.0	6783	5610	101643	4215		1701	5916
85111EE	RDWY HVY WH BSC 4FT SHLDRS 30IN THK		AS REQUIRED	8.5	34	26	15938	10020		3673	13693
85111ER	RDWY HVY WH 2FT INCR 30IN THK			51.0			5610	5990		1701	7691
85111FD	HDSTD PVMT HVY WH 1000SY 3IN ASPH		AS REQUIRED	160.1	13929	11527	213253	15554		5571	21125
85111KD	HDSTD HVY WH 1000SY 4FT SHLDR 24IN		AS REQUIRED	23.3	47	47	17708	3412		743	4155
85130JR	ROAD,CLASS C,GRADED AND DRAINED 1MI			5.5	11	11	6677	5311		1667	6978
85240GN	ROAD,CLASS C,GRADED AND DRAINED 1MI		AS REQUIRED	1.0	2	2	1214	966		303	1269
87210AP	SECURITY FENCE TYPE X 1000 FEET	1000 FEET	AS REQUIRED	29.0	232	261	48024	1934	10681	10765	23380
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
87230AA	SENTRY BOX 4X4			1.0			122	138	580	290	1008
					69245	73304	57619449	89880	197174	72842	359896

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TROPIC CLIMATE

HOSPITAL, TROPIC CLIMATE, TEMPORARY STANDARD WD. BLDGS. FOR TREATMENT, EXIST STRUCT FOR PATIENT AREA, EXT CONSTRUCTION TYPE ELEVATOR AND CONNECTING CORRIDORS. SEWAGE, WATER, AND GENERATORS FOR TREATMENT BLDGS. REQUIRES 2.5 ACRES 1645.6 CY COARSE AGGREGATE 858.7 CY FINE AGGREGATE 7200 GPD SEWAGE 8400 GPD WATER 164 KW DEMAND LOAD GH2002

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111610AA	COMPASS SWING BASE,50 X 50 FT		3/INSTALL.	3.0	3	9	19581	104		52	156
155009AA	12-FT WIDE CONNECTING CORRIDOR		AS REQD.	.6	49	98	20374	91	475	431	997
55009EA	EXTERIOR CONSTRUCTION TYPE ELEVATOR		1/INSTALL.	1.0	28	20	91961	88	381		469
655010AB	DISPENSARY-FIRST AID		1/INSTALL.	1.0	1286	2049	131268	371	4238	3094	7703
81110BP	GEN PLANT 200 KW STL BLDG TROP/DES		1/INSTALL.	1.0	52	78	63407	142	4492	1465	6099
81230AF	FLOODLT ASSEMBLY, ONE LT, POLE MTD		1/INSTALL.	1.0			39		10		10
81230AG	FLOODLT ASSEMBLY, TWO LTS, POLE MTD		1/INSTALL.	1.0			39		17		17
81240GA	ELECTRICAL DISTRIBUTION SYSTEM, ONE	1 MILE \ 6	1/INSTALL.	1.0	15	16	8618	152	1370	754	2276
81260BT	CONV XFMR ASSY 150KVA 13.8-208Y/120		1/INSTALL.	1.0	2	3	2456		141		141
85110AY	ROAD PAVEMENT,CLASS B,HOT MIX BITUM		AS REQD.	.1	82	66	1089	44		16	60
85110CP	HARDSTAND,HOT MIX BITUM,STAB BASE		AS REQD.	.3	16	13	233	16		5	21
187190AA	SITE PREPARATION,ONE ACRE		AS REQD.	2.5				319		116	435
					1533	2352	339065	1327	11124	5933	18384

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TROPIC CLIMATE

HOSPITAL, TROPIC CLIMATE, TEMPORARY STANDARD. WD BLDGS. FOR TREATMENT, EXIST STRUCT FOR PATIENT AREA, EXT CONSTRUCTION TYPE ELEVATOR AND CONNECTING CORRIDORS. SEWAGE, WATER, AND GENERATORS FOR TREATMENT BLDGS. REQUIRES 4.0 ACRES 4898.5 CY COARSE AGGREGATE 2556.1 CY FINE AGGREGATE 16800 GPD SEWAGE 20000GPD WATER 502.9 KW DEMAND LOAD GH2012

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
111610AA	COMPASS SWING BASE,50 X 50 FT		3/INSTALL.	3.0	3	9	19581	104		52	156
651020AB	CLINIC OPD/ER ADM.TEMP.-FRID.ZONES		1/INSTALL.	1.0	2951	2464	141164	992	6177	6023	13192
653020BB	RAD.LAB/PHAR.TEMP.-FRIGID ZONES		1/INSTALL.	1.0	2520	2206	116367	1192	7750	6811	15753
155009AA	12-FT WIDE CONNECTING CORRIDOR		AS REQD.	1.3	107	213	44143	198	1029	933	2160
55009EA	EXTERIOR CONSTRUCTION TYPE ELEVATOR		1/INSTALL.	1.0	28	20	91961	88	381		469
81110BP	GEN PLANT 200 KW STL BLDG TROP/DES		1/INSTALL.	1.0	52	78	63407	142	4492	1465	6099
81110BR	GEN PLANT 300 KW STL BLDG TROP/DES		1/INSTALL.	1.0	68	82	72577	154	5142	1511	6807
81230AG	FLOODLT ASSEMBLY, TWO LTS, POLE MTD		3/INSTALL.	3.0			117		52		52
81240GA	ELECTRICAL DISTRIBUTION SYSTEM, ONE	1 MILE \ 6	1/INSTALL.	1.0	15	16	8618	152	1370	754	2276
81260BU	CONV XFMR ASSY 225KVA 13.8-208Y/120		1/INSTALL.	1.0	3	3	3155		151		151
81260BV	CONV XFMR ASSY 300KVA 13.8-208Y/120		1/INSTALL.	1.0	3	4	3746		161		161
85110AY	ROAD PAVEMENT,CLASS B,HOT MIX BITUM		AS REQD.	.2	165	131	2178	88		31	119
85110CP	HARDSTAND,HOT MIX BITUM,STAB BASE		AS REQD.	1.1	57	47	854	57		19	76
187190AA	SITE PREPARATION,ONE ACRE		AS REQD.	4.0				510		186	696
					5972	5273	567868	3677	26705	17785	48167

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TROPIC CLIMATE

MEDICAL DEPOT,INITIAL STANDARD,ALL CLIMATES,PROVIDES GH4019
APPROX 69600 SF OF STORAGE AREA 85 PERCENT IN TENTS WITH
EARTH FLOORS AND 15 PERCENT IN OPEN HARDSTAND.
ADMINISTRATION,MEDICAL MAINTENANCE,OPTICAL FABRICATING,
ACID-FLAMMABLE STORAGE IN TENTS

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
84330AB	SUMP FIRE PROTECTION 2000 GAL	2000 GAL	AS REQUIRED	7.0	14	14	336	41	223	244	508
85110DH	HARDSTAND,STAB SURF,1000SQ YD, 8 IN		AS REQUIRED	1.0	84	57	420	58		12	70
85210AV	HARDSTAND,1000 SQ YDS,HEAVY ROCK		AS REQUIRED	47.6	333	190	210392	22915		8282	31197
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	21.1				2692		979	3671
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		AS REQUIRED	4.4	515	308	8633	179		715	894
87210AH	GATE,PER BAR SGL/LEAF 3FT X 7 FT HI		AS REQUIRED	2.0	2	2	716	20	29	12	61
87210AI	GATE,PER BAR SGL/LEAF 3FT X 7 FT HI		AS REQUIRED	5.0	5	5	1790	51	73	29	153
					953	576	222287	25956	325	10273	36554

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TROPIC CLIMATE

MEDICAL DEPOT,INITIAL STANDARD,ALL CLIMATES,PROVIDES GH4029
APPROX 88800 SF OF STORAGE AREA 90 PERCENT IN TENTS WITH
EARTH FLOORS AND 10 PERCENT IN OPEN HARDSTAND.
ADMINISTRATION,MEDICAL MAINTENANCE,OPTICAL FABRICATING,
ACID-FLAMMABLE STORAGE IN TENTS
MEDSOM FOR COMMUNICATION ZONE AND COMBAT ZONE

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
84330AB	SUMP FIRE PROTECTION 2000 GAL	2000 GAL	AS REQUIRED	7.0	14	14	336	41	223	244	508
85110DH	HARDSTAND,STAB SURF,1000SQ YD, 8 IN		AS REQUIRED	1.0	84	57	420	58		12	70
85210AV	HARDSTAND,1000 SQ YDS,HEAVY ROCK		AS REQUIRED	57.6	403	230	254592	27729		10022	37751
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	25.0				3190		1160	4350
87210AD	CONCERTINA,TRIPLE TAPE TYP D 1000LF		AS REQUIRED	4.7	550	329	9221	191		763	954
87210AH	GATE,PER BAR SGL/LEAF 3FT X 7 FT HI		AS REQUIRED	2.0	2	2	716	20	29	12	61
87210AI	GATE,PER BAR SGL/LEAF 3FT X 7 FT HI		AS REQUIRED	5.0	5	5	1790	51	73	29	153
					1058	637	267075	31280	325	12242	43847

TROPIC CLIMATE

MEDICAL DEPOT,TROPICAL CLIMATE,TEMPORARY STANDARD,PROVIDES APPROX 69600 SF OF STORAGE AREA,85 PERCENT IN BUILDINGS WITH CONCRETE FLOORS AND 15 PERCENT IN OPEN HARDSTAND. ADMINISTRATION BLDG AND MEDICAL MAINTENANCE,OPTICAL FABRICATING,MOTOR MAINTENANCE,ACID-FLAMMABLE STORAGE AND MEDSOM FOR COMMUNICATION ZONE AND COMBAT ZONE GH4032

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
21410GT	3600 SQ.FT. BUILDING GT WOOD		1PER INST	1.0	1015	881	75577	537	4278	1395	6210
21885CB	GEN PURP MAINT SHOP 24X48 PAN WD;DT	1800SF	AS REQUIRED	1.0	32	38	23338	149	1331	149	1629
44110BC	WHSE CLOSED WD FR BLDG 48X96X14	48X96X14FT	AS REQUIRED	1.0	116	120	14467	102	2198	813	3113
44220AB	WAREHOUSE WOOD FRM CONST 80FTX240FT	19200SF	34.5SF/ST	2.0	1380	1366	218634	1844	10109	673	12626
44220AK	WAREHOUSE WOOD FRM CONST 80FTX240FT	19200SF	34.5SF/ST	1.0	483	534	103025	999	5938	336	7273
44222AB	SHED STORAGE WOOD FRAME 20FTX100FT	2000SF	AS REQUIRED	1.0	55	69	15375	136	938	136	1210
44240AB	ACID FLAMMABLE STORAGE BLDG 20X90	1800SF	AS REQUIRED	1.0	48	57	10362	151	887	151	1189
610258B	ADMINISTRATION BLDG WOOD FRM 40X110	4400SF	90SF/MAN	1.0	75	133	30158	276	1565	276	2117
072321AA	PORTA-KAMP LATRINE		1/40MEN	5.0	5	5	1240	22	116	109	247
81241AA	ELECTRICAL DISTRIBUTION SYSTEM		AS REQUIRED	1.0	39	239	68886	332	1656	332	2320
83120AB	SEPTIC TANK 1000 GPD,CONCRETE		AS REQUIRED	5.0	55	45	12700	22	986	131	1139
83120DA	SEWAGE		AS REQUIRED	1.0			176	15	23	29	67
84210KA	WATER SYSTEM		AS REQUIRED	1.0	1	3	3799	90	426	90	606
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	2.0	14	10	290	46	313	336	695
85110AG	ROAD PAVEMENT,CLASS A,HOT MIX BITUM		1000SY/UNIT	.1	132	110	2043	82		36	118
85110CM	HARDSTAND,SINGLE BITUM,STAB BASE		AS REQUIRED	1.0	45	35	543	48		9	57
85110DH	HARDSTAND,STAB SURF,1000SQ YD, 8 IN		AS REQUIRED	19.8	1663	1129	8316	1148		230	1378
85130FA	ROAD,CLASS B,GRADED AND DRAINED 1MI		AS REQUIRED	.1	1	1	865	302		120	422
85210AV	HARDSTAND,1000 SQ YDS,HEAVY ROCK		AS REQUIRED	31.4	220	126	138788	15116		5464	20580
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	14.1				1799		654	2453
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	3.1	53	158	37429	562		1798	2360
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	2.0	2	4	558	17		35	52
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN		AS REQUIRED	4.0			436	58		46	104
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	2.0	2	4	802	20		44	64
87230AA	SENTRY BOX 4X4		AS REQUIRED	2.0			244	276	1160	580	2016
					5436	5067	768051	24149	31924	13972	70045

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TROPIC CLIMATE

MEDICAL DEPOT,TROPICAL CLIMATE,TEMPORARY STANDARD,PROVIDES APPROX 88800 SF OF STORAGE AREA,90 PERCENT IN BUILDINGS WITH CONCRETE FLOORS AND 10 PERCENT IN OPEN HARDSTAND. ADMINISTRATION BLDG AND MEDICAL MAINTENANCE,OPTICAL FABRICATING,MOTOR MAINTENANCE,ACID-FLAMMABLE STORAGE AND UNIT PICK-UP BUILDINGS PROVIDED.WOOD FRAME CONSTRUCTION MEDSOM FOR COMBAT ZONE GH4042

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	IN MANHOURS GENL	IN MANHOURS TOT
21410GT	3600 SQ.FT. BUILDING GT WOOD		1PER INST	1.0	1015	881	75577	537	4278	1395	6210
21885CB	GEN PURP MAINT SHOP 24X48 PAN WD;DT	1800SF	AS REQUIRED	1.0	32	38	23338	149	1331	149	1629
44110BC	WHSE CLOSED WD FR BLDG 48X96X14	48X96X14FT	AS REQUIRED	1.0	116	120	14467	102	2198	813	3113
44220AB	WAREHOUSE WOOD FRM CONST 80FTX240FT	19200SF	34.5SF/ST	3.0	2070	2049	327951	2767	15164	1009	18940
44220AK	WAREHOUSE WOOD FRM CONST 80FTX240FT	19200SF	34.5SF/ST	1.0	483	534	103025	999	5938	336	7273
44222AB	SHED STORAGE WOOD FRAME 20FTX100FT	2000SF	AS REQUIRED	1.0	55	69	15375	136	938	136	1210
44240AB	ACID FLAMMABLE STORAGE BLDG 20X90	1800SF	AS REQUIRED	1.0	48	57	10362	151	887	151	1189
61025BB	ADMINISTRATION BLDG WOOD FRM 40X110	4400SF	90SF/MAN	1.0	75	133	30158	276	1565	276	2117
072321AA	PORTA-KAMP LATRINE		1/40MEN	5.0	5	5	1240	22	116	109	247
81241AA	ELECTRICAL DISTRIBUTION SYSTEM		AS REQUIRED	1.0	39	239	68886	332	1656	332	2320
83120AB	SEPTIC TANK 1000 GPD,CONCRETE		AS REQUIRED	5.0	55	45	12700	22	986	131	1139
83120DA	SEWAGE		AS REQUIRED	1.0			176	15	23	29	67
84210KA	WATER SYSTEM		AS REQUIRED	1.0	1	3	3799	90	426	90	606
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	2.0	14	10	290	46	313	336	695
85110AG	ROAD PAVEMENT,CLASS A,HOT MIX BITUM		1000SY/UNIT	.1	132	110	2043	82		36	118
85110CM	HARDSTAND,SINGLE BITUM,STAB BASE		AS REQUIRED	1.0	45	35	543	48		9	57
85110DH	HARDSTAND,STAB SURF,1000SQ YD, 8 IN		AS REQUIRED	18.0	1512	1026	7560	1044		209	1253
85130FA	ROAD,CLASS B,GRADED AND DRAINED 1MI		AS REQUIRED	.1	1	1	865	302		120	422
85210AV	HARDSTAND,1000 SQ YDS,HEAVY ROCK		AS REQUIRED	41.0	287	164	181220	19737		7134	26871
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	16.3				2080		756	2836
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	3.1	53	158	37429	562		1798	2360
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	2.0	2	4	558	17		35	52
87210AJ	FENCE,CORNER POST 10 FT HI CHAINLIN		AS REQUIRED	4.0			436	58		46	104
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	2.0	2	4	802	20		44	64
87230AA	SENTRY BOX 4X4		AS REQUIRED	2.0			244	276	1160	580	2016
					6042	5685	919044	29870	36979	16059	82908

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TROPIC CLIMATE

VEHICLE MAINTENANCE INSTALLATION FOR ALL LEVELS OF SUPPORT THROUGH GENERAL SUPPORT ACTIVITIES.CONSISTS OF TEN BAYS AND SHOP AREA FOR OFF VEHICLE REPAIR.TEMPORARY STANDARD IN THE TROPIC/DESERT CLIMATES,WOOD BUILDINGS. MT2008

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
21410BW	TRACKED VEH TURNING PAD		AS REQUIRED	17.3	346	260	22698		778	1179	1957
21410BY	VEH WASH RACK		3PER INST	3.0	63	45	4794	17	257	357	631
21410GT	3600 SQ.FT. BUILDING GT WOOD		1PER INST	1.0	1015	881	75577	537	4278	1395	6210
21410HN	VEHICLE MAINT FAC.WD.FR.6BAY T/D		1PER INST	1.0	1305	1117	91628	577	4959	1554	7090
21411AA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		2PER INST	2.0	14	10	1730		1044	174	1218
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	1PER INST	1.0	8	9	1559	3	290	46	339
81240HA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84120FA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	1.0	7	5	145	23	157	168	348
84330AE	FIREFHT EQPT POL W/10MGAL WTR&PUMP		AS REQUIRED	1.0	1	5	16777		49		49
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQUIRED	18.0	756	504	3780	626		209	835
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	4.2				536		195	731
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	1.0	17	51	12074	181		580	761
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	1.0	1	2	279	9		17	26
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	1.0	1	2	401	10		22	32
					3572	2933	262182	2551	16786	6204	25541

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TROPIC CLIMATE

VEHICLE MAINTENANCE INSTALLATION FOR ALL LEVELS OF SUPPORT THROUGH GENERAL SUPPORT ACTIVITIES.CONSISTS OF TEN BAYS AND SHOP AREA FOR OFF VEHICLE REPAIR.TEMPORARY STANDARD IN THE TROPIC/DESERT CLIMATES,METAL BUILDINGS. MT2018

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
21410BW	TRACKED VEH TURNING PAD		AS REQUIRED	17.3	346	260	22698		778	1179	1957
21410BY	VEH WASH RACK		3PER INST	3.0	63	45	4794	17	257	357	631
21410GU	3600 SQ.FT. BUILDING GU METAL		1PER INST	1.0	51	46	46815	342	3067	1322	4731
21410HP	VEHICLE MAINT.FAC.ST.FR,6BAY,T/D		1PER INST	1.0	69	61	58873	441	3480	1427	5348
21411AA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		2PER INST	2.0	14	10	1730		1044	174	1218
72321BA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		1PER INST	1.0	7	5	865		522	87	609
81240HA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84120FA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	1.0	7	5	145	23	157	168	348
84330AE	FIREFHT EQPT POL W/10MGAL WTR&PUMP		AS REQUIRED	1.0	1	5	16777		49		49
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQUIRED	18.0	756	504	3780	626		209	835
18719OAA	SITE PREPARATION,ONE ACRE		AS REQUIRED	4.2				536		195	731
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	1.8	31	92	21733	326		1044	1370
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	1.0	1	2	279	9		17	26
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	1.0	1	2	401	10		22	32
					1385	1079	209630	2362	14328	6509	23199

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TROPIC CLIMATE

VEHICLE MAINTENANCE INSTALLATION FOR ALL LEVELS OF SUPPORT THROUGH GENERAL SUPPORT ACTIVITIES.CONSISTS OF TWENTY BAYS AND SHOP AREA FOR OFF VEHICLE REPAIR.TEMPORARY STANDARD IN THE TROPIC/DESERT CLIMATES,WOOD BUILDINGS. MT2028

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
21410BW	TRACKED VEH TURNING PAD		AS REQUIRED	31.4	628	471	41197		1411	2140	3551
21410BY	VEH WASH RACK		6PER INST	6.0	126	90	9588	35	513	713	1261
21410GT	3600 SQ.FT. BUILDING GT WOOD		2PER INST	2.0	2030	1762	151154	1073	8555	2790	12418
21410HN	VEHICLE MAINT FAC.WD.FR.6BAY T/D		2PER INST	2.0	2610	2234	183256	1154	9918	3109	14181
21411AA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		4PER INST	4.0	28	20	3460		2088	348	2436
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	1PER INST	1.0	8	9	1559	3	290	46	339
81240HB	ELECTRICAL DISTRIBUTION SYS 250 MAN		AS REQUIRED	1.0	28	42	27991	3	33	3	39
84120FA	ELECTRICAL DISTRIBUTION SYS 250 MAN		AS REQUIRED	1.0	28	42	27991	3	33	3	39
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	1.0	7	5	145	23	157	168	348
84330AE	FIREFHT EQPT POL W/10MGAL WTR&PUMP		AS REQUIRED	1.0	1	5	16777		49		49
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQUIRED	36.0	1512	1008	7560	1253		418	1671
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	8.3				1059		385	1444
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	2.5	43	128	30185	453		1450	1903
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	1.0	1	2	279	9		17	26
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	1.0	1	2	401	10		22	32
					7051	5820	501543	5078	23047	11612	39737

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TROPIC CLIMATE

VEHICLE MAINTENANCE INSTALLATION FOR ALL LEVELS OF SUPPORT THROUGH GENERAL SUPPORT ACTIVITIES.CONSISTS OF TWENTY BAYS AND SHOP AREA FOR OFF VEHICLE REPAIR.TEMPORARY STANDARD IN THE TROPIC/DESERT CLIMATES,METAL BUILDINGS. MT2038

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
21410BW	TRACKED VEH TURNING PAD		AS REQUIRED	31.4	628	471	41197		1411	2140	3551
21410BY	VEH WASH RACK		6PER INST	6.0	126	90	9588	35	513	713	1261
21410GU	3600 SQ.FT. BUILDING GU METAL		2PER INST	2.0	102	92	93630	684	6134	2645	9463
21410HP	VEHICLE MAINT.FAC.ST.FR,6BAY,T/D		2PER INST	2.0	138	122	117746	882	6960	2854	10696
21411AA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		4PER INST	4.0	28	20	3460		2088	348	2436
72321BA	LUB.RACK,VECHICLE,12X56 RAMP+PLATFO		1PER INST	1.0	7	5	865		522	87	609
81240HA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84120FA	ELECTRICAL SYSTEM 125 MAN TR CP		AS REQUIRED	1.0	19	21	15370	16	2487	154	2657
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	AS REQUIRED	1.0	7	5	145	23	157	168	348
84330AE	FIREFHT EQPT POL W/10MGAL WTR&PUMP		AS REQUIRED	1.0	1	5	16777		49		49
85110DF	HARDSTAND,STAB SURF,1000SQ YD, 4 IN		AS REQUIRED	36.0	1512	1008	7560	1253		418	1671
187190AA	SITE PREPARATION,ONE ACRE		AS REQUIRED	8.3				1059		385	1444
87210AA	FENCE,CHAIN LK.W/2 OUTRGRS 1 1000LF		AS REQUIRED	2.5	43	128	30185	453		1450	1903
87210AF	GATE,CHAINLINK SING/LEAF 3 WI 10 HI		AS REQUIRED	1.0	1	2	279	9		17	26
87210AL	GATE,VEH CHAINLINK 10 FT HI 32 F WI		AS REQUIRED	1.0	1	2	401	10		22	32
					2632	1992	352573	4440	22808	11555	38803

TROPIC CLIMATE

MARINE TERMINAL,POL,200000 BBL CAPAC W/50M WLDD TNKS,10M&3M BLTD TANKS FOR EXISTG DOCK FOR TNKR DISCHARGE,TEMP,TROP& DST CLIM.T-2 TNKR OR SUPER TANKER DISCHARGING W/ 24HR TURN AROUND TIME.MARINE TERMINAL W/ESTG DOCK MOORING BERTH,12IN INLAND PPELN,BOOSTER PMP STA & OPER BLDG.,TANK FARM FOR BULK STAGE CF 4 PRODUCTS FOR RECEIVING 800000 BBLS/ MO. MAX REQUIRES 60 ACRES. FINE AGGR. 20CY. COARSE AGGR. 22 PA1015

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	368	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	1.0	14	21	50497	29	522	145	696
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	4.0	180	708	95916	232	5510	2436	8178
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	4.0	16	16	44460	58	1334	928	2320
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	4.0	108	224	216436	232	1624	464	2320
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	4.0	4	4	4984	46	302	116	464
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	164	113536	841	4930	2523	8294
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	182766	1305	19314	8700	29319
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	2.0	14	30	23462	93	1325	493	1911
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					529	2104	1269004	3929	41167	19282	64378

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TROPIC CLIMATE

MARINE TERMINAL,POL,400000 BBL CAPAC.USED FOR PHASE1.WLDD & PA1025
BLTD TNKS FOR EXSTG DOCK FOR TNKR DISCHARGE,TEMP,TROP & DST
CLIM.T-2 TNKR OR SUPER TANKER DISCHARGING W/13
HR TURN AROUND TIME. MARINE TERMINAL W/EXSTG DOCK,MOORING
BERTH,12IN INLAND PPELN,BOOSTER PMP STA & OPER BLDG.,TANK
FARM FOR BULK STGE CF 4 PRODUCTS FOR RECEIVING 1500000 BBLS/
MO. MAX REQUIRES 121 ACRES. FINE AGGR. 40CY. COARSE AGGR. 44

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	8.0	360	1416	191832	464	11020	4872	16356
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	8.0	32	32	88920	116	2668	1856	4640
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	8.0	216	448	432872	464	3248	928	4640
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	4.0	4	4	4984	46	302	116	464
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1040	4172	2411113	7913	81654	38416	127983

TROPIC CLIMATE

MARINE TERMINAL,POL,400000 BBL CAPAC.USED FOR PHASE-2.WLDD PA1035
&BLID TNKS FOR EXISTS DOCK TANKER DISCHARGE,TEMP,TROP & DST
CLIM.T-2 TNKR OR SUPER TANKER DISCHARGING W/13HR
TURN AROUND TIME. MARINE TERMINAL W/EXESTS DOCK MOORING
BERTH,12IN INLAND PPELN,BOOSTER PMP STA & OPER BLDG.,TANK
FARM FOR BULK STGE OF 4 PRODUCTS FOR RECEIVING 1500000
BBLS/MO. MAX REQUIRES 121 ACRES. FINE AGGR. 40CY. COARSE AGG

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	16.0	720	2832	383664	928	22040	9744	32712
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	8.0	32	32	88920	116	2668	1856	4640
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	16.0	16	16	19936	186	1206	464	1856
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1660	6097	3272372	8981	97783	44796	151560

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TROPIC CLIMATE

MARINE TERMINAL,POL,200000 BBL CAPAC W/10 THOUS.& 3 THOUS. PA1045
BOLTED STL FOR EXISTG DOCK FOR TANKER DISCHARGE,TEMP,TROP&
DST CLIM.T-2 TANKER OR SUPER TANKER DISCHARGING W/24HR
TURN AROUND TIME.MARINE TERMINAL W/EXSTG DOCK MOORING BERTH,
12IN INLAND PPELN,BOOSTER PMP STA & OPER BLDG.,TANK FARM
FOR BULK STGE OF 4 PRODUCTS FOR RECEIVING 80000 BBLS/MO. MAX
REQUIRES 60 ACRES. FINE AGGR. 20CY. COARSE AGGR. 22CY. FIRFT

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	4.0	180	708	95916	232	5510	2436	8178
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	.2	3	3	700	3	58	41	102
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	6.0	24	24	66690	87	2001	1392	3480
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	4.0	108	224	216436	232	1624	464	2320
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	4.0	4	4	4984	46	302	116	464
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	19.0	57	779	539296	3995	23418	11984	39397
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	2.0	14	30	23462	93	1325	493	1911
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	5.0	35	40	7020	348	1610	1624	3582
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					596	2212	1598873	6039	42359	21337	69735

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TROPIC CLIMATE

MARINE TERMINAL,POL,400000 BBL CAPAC W/10 THOUSAND. & 3 THOU BOLTED STEEL FOR EXISTING DOCK FOR TANKER DISCHARGE,TEMPERATE,TROPICAL AND DESERT CLIMATE.T-2 TANKER OR SUPER TANKER DISCHARGING. MARINE TERMINAL W/EXISTING DOCK MOORING BERTH 12IN INLAND PPELN,BOOSTER PMP STA & OPER BLDG., TANK FARM FOR BULK STGE CF 4 PRODUCTS FOR RECEIVING 1500000 BBLS/MO. MAX REQUIRES 121 ACRES. FINE AGGR. 40CY. COARSE AGGR. 44CY. PA1055

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	4.0	56	84	201988	116	2088	580	2784
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	2.0	90	354	47958	116	2755	1218	4089
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	8.0	104	128	28000	116	2320	1624	4060
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	.4	2	2	4446	6	133	93	232
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	8.0	8	8	9968	93	603	232	928
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	96352	1044	3596	2552	7192
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	38.0	114	1558	1078592	7990	46835	23969	78794
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	10.0	70	80	14040	696	3219	3248	7163
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1208	3903	3484102	12238	78614	39000	129852

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TROPIC CLIMATE

MARINE TERMINAL,POL,1000000 BBL CAPAC.USED FOR PHASE 1. WLDD & BLTD TNKS FOR EXISTG DOCK FOR TANKER DISCHARGE,TEMP,TROP & DST CLIM. T-2 TANKER OR SUPER TANKER DISCHARGING W/13 HR TURN AROUND TIME. MARINE TERMINAL W/EXSTG DOCK MOORING BERTH 12IN INLAND PPELN, BOOSTER PMP STA & OPER. BLDG.,TANK FARM FOR BULK STGE CF 4 PRODUCTS FOR RECEIVING 3000000 BBLS/MO. MAX REQUIRES 307 ACRES. FINE AGGR. 80CY. COARSE AGGR. 88 CY. PA1065

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	16.0	720	2832	383664	928	22040	9744	32712
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	16.0	16	16	19936	186	1206	464	1856
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2123	8946	5013099	16993	192093	89037	298123

TROPIC CLIMATE

MARINE TERMINAL,POL,1000000 BBL CAPAC USED FOR PHASE2. WLDD & BLTD TNKS FOR EXISTG DOCK FOR TANKER DISCHARGE,TEMP,TROP & DST CLIM. T-2 TANKER OR SUPER TANKER DISCHARGING W/13 HR TURN AROUND TIME. MARINE TERMINAL W/EXSTS DOCK MOORING BERTH 12IN INLAND PPELN, BOOSTER PMP STA & OPER BLDG., TANK FARM FOR BULK STGE CF 4 PRODUCTS FOR RECEIVING 3000000 BBLS/MO. MAX REQUIRES 307 ACRES. FINE AGGR. 80CY. COARSE AGGR. 88 CY. PA1075

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	32.0	1440	5664	767328	1856	44080	19488	65424
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	32.0	864	1792	1731488	1856	12992	3712	18560
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	32.0	32	32	39872	371	2413	928	3712
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					3323	12739	6504046	19034	222793	101333	343160

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TROPIC CLIMATE

MARINE TERMINAL,POL,1000000 BBL CAPAC WITH 10M BOLTED STEEL TNKS FOR EXISTS DOCK FOR TANKER DISCHARGE,TEMP,TROP& DST DST CLIM. T-2 TANKER OR SUPER TANKER DISCHARGING W/13 HR TURN AROUND TIME. MARINE TERMINAL W/EXSTG DOCK MOORING BERTH 12IN INLAND PPELN,BOOSTER PMP STA & OPER.BLDG.,TANK FARM FOR BULK STGE CF 4 PRODUCTS FOR RECEIVING 3000000 BBLS/MO-MAX REQUIRES 307 ACRES. FINE AGGR. 70CY. COARSE AGGR. 77CY. FIRE PA1085

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	2.0	14	28	32508	15	116	44	175
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	8.0	72	256	35520	174	2262	812	3248
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	24.0	1080	4248	575496	1392	33060	14616	49068
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	1.2	16	19	4200	17	348	244	609
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	28.0	112	112	311220	406	9338	6496	16240
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	32.0	864	1792	1731488	1856	12992	3712	18560
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	32.0	32	32	39872	371	2413	928	3712
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	16.0	32	512	192704	2088	7192	5104	14384
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	96.0	288	3936	2724864	20184	118320	60552	199056
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	7.0	49	105	82117	325	4639	1726	6690
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	20.0	140	160	28080	1392	6438	6496	14326
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					3157	11855	7521503	30040	212575	105754	348369

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TROPIC CLIMATE

MARINE TERM,POL,200000 BBL CAPAC W/50M WLDD TANKS,10M & 3M BLTD STL TANKS W/JETTY FOR TANKER FOR TANKER DISCHARGE. TEMP TROP & DST CLIM. T-2 TANKER DISCHARGING W/24 HR TURN AROUND TIME.MARINE TERM W/JETTY MOORING BERTH,12IN INLD PPLN, BOOSTER PMP STA & OPER BLDG. TANK FARM FOR BLK STGE OF 4 PROD FOR RECEIVG 800000 BBLS/MO.MAX.REQUIRES 60 ACRES FINE AGGR. 20CY,COARSE AGGR. 22CY. FIREFTG EQUIP. HAND EXTG PA1095

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	1.0	14	21	50497	29	522	145	696
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	4.0	180	708	95916	232	5510	2436	8178
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	4.0	16	16	44460	58	1336	928	2320
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	4.0	108	224	216436	232	1624	464	2320
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	4.0	4	4	4984	46	302	116	464
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
16440AA	JETTY POL 14FT X 1M FT WALK&PIPEWAY	1000&40X70FT	AS REQUIRED	1.0	695	718	278329	6235	10150	276	16661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.		AS REQUIRED	1.0	2	1	2709		131	131	262
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	5.0	25	50	26010	181	725	326	1232
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	164	113536	841	4930	2523	8294
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	182766	1305	19314	8700	29319
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	2.0	14	30	23462	93	1325	493	1911
84290AA	TANKER WATERING SERVICE FACILITIES,	1000 BBL	AS REQUIRED	1.0	8	28	18849		1160	189	1349
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					1244	2871	1579295	10236	52898	20008	83142

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TROPIC CLIMATE

MARINE TERM,POL,400000 BBL CAPAC W/50M WLDD TANKS,10M & 3M PA1105
BLTD STL TANKS W/JETTY FOR TANKER FOR TANKER DISCHARGE. TEMP
TROP & DST CLIM. T-2 TANKER DISCHARGING W/13 HR TURN AROUND
TIME. MARINE TERM W/JETTY MOORING BERTH,12IN INLD PPLN,
BOOSTER PMP STA & OPER BLDG. TANK FARM FOR BLK STGE OF 4
PROD FOR RECEIVG 1500000 BBLS/MO.MAX. REQUIRES 121 ACRES
FINE AGGR. 40CY,COARSE AGGR. 44CY. FIREFTG EQUIP. HAND EXTG

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	8.0	72	256	35520	174	2262	812	3248
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	12.0	540	2124	287748	696	16530	7308	24534
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	2.0	8	8	22230	29	667	464	1160
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	8.0	216	448	432872	464	3248	928	4640
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
12665AU	PIPE,POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
16440AA	JETTY POL 14FT X 1M FT WALK&PIPEWAY	1000&40X70FT	AS REQUIRED	1.0	695	718	278329	6235	10150	276	16661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.		AS REQUIRED	1.0	2	1	2709		131	131	262
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
84290AA	TANKER WATERING SERVICE FACILITIES,	1000 BBL	AS REQUIRED	1.0	8	28	18849		1160	189	1349
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1963	5803	2776834	14516	98903	40897	154316

TROPIC CLIMATE

MARINE TERM,POL,400000 BBL CAPAC W/50M WLDD TANKS,10M & 3M BLTD STL TANKS W/JETTY FOR TANKER FOR TANKER DISCHARGE. TEMP TROP & DST CLIM. T-2 TANKER DISCHARGING W/13 HR TURN AROUND TIME.MARINE TERM W/JETTY MOORING BERTH,12IN INLD PPLN, BOOSTER PMP STA & OPER BLDG. TANK FARM FOR BLK STGE OF 4 PROD FOR RECEIVG 1500000 BBLS/MO.MAX. REQUIRES 121 ACRES FINE AGGR. 40CY,COARSE AGGR. 44CY. FIREFTG EQUIP. HAND EXTG PA1115

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	8.0	72	256	35520	174	2262	812	3248
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	20.0	900	3540	479580	1160	27550	12180	40890
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	2.0	8	8	22230	29	667	464	1160
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	20.0	20	20	24920	232	1508	580	2320
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
16440AA	JETTY POL 14FT X 1M FT WALK&PIPEWAY	1000&40X70FT	AS REQUIRED	1.0	695	718	278329	6235	10150	276	16661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.		AS REQUIRED	1.0	2	1	2709		131	131	262
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
84290AA	TANKER WATERING SERVICE FACILITIES,	1000 BBL	AS REQUIRED	1.0	8	28	18849		1160	189	1349
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					2579	7724	3633109	15537	114731	47161	177429

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TROPIC CLIMATE

MARINE TERM,POL,1000000 BBL CAPAC W/50M WLDD TANKS,10M & 3M BLTD STL TANKS W/JETTY FOR TANKER FOR TANKER DISCHARGE. TEMP TROP & DST CLIM. T-2 TANKER DISCHARGING W/13 HR TURN AROUND TIME.MARINE TERM W/JETTY MOORING BERTH,12IN INLD PPLN, BOOSTER PMP STA & OPER BLDG.TANK FARM FOR BLK STGE OF 4 PROD FOR RECEIVG 3000000 BBLS/MO.MAX. REQUIRES 307 ACRES FINE AGGR. 80CY,COARSE AGGR. 88CY. FIREFTG EQUIP. HAND EXTG PA1125

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	16.0	720	2832	383664	928	22040	9744	32712
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	16.0	16	16	19936	186	1206	464	1856
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	1.0	32	49	221603		957	232	1189
16440AA	JETTY POL 14FT X 1M FT WALK&PIPEWAY	1000&40X70FT	AS REQUIRED	1.0	695	718	278329	6235	10150	276	16661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.		AS REQUIRED	1.0	2	1	2709		131	131	262
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	1.6	6	309	97475	696	10301	4640	15637
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
84290AA	TANKER WATERING SERVICE FACILITIES,	1000 BBL	AS REQUIRED	1.0	8	28	18849		1160	189	1349
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2770	6914	4435709	16964	110827	47873	175664

TROPIC CLIMATE

MARINE TERM,POL,1000000 BBL CAPAC W/50M WLDD TANKS, 10M & 3M BLTD STL TANKS W/JETTY FOR TANKER FOR TANKER DISCHARGE. TEMP TROP & DST CLIM. T-2 TANKER DISCHARGING W/13 HR TURN AROUND AROUND TIME.MARINE TERM W/JETTY MOORING BERTH,12IN INLD PPLN,BOOSTER PMP STA & OPER BLDG. TANK FARM FOR BLK STGE OF 4 PROD FOR RECEIVG 3000000 BBLS/MO.MAX. REQUIRES 307 ACRES FINE AGGR. 80CY,COARSE AGGR. 88CY. FIREFTG EQUIP. HAND EXTG PA1135

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	32.0	1440	5664	767328	1856	44080	19488	65424
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	32.0	864	1792	1731488	1856	12992	3712	18560
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	32.0	32	32	39872	371	2413	928	3712
12665AU	PIPE POL 12IN F/SUPER TNKR AT DOCK	12IN 2800BPH	AS REQUIRED	2.0	64	98	443206		1914	464	2378
16440AA	JETTY POL 14FT X 1M FT WALK&PIPEWAY	1000&40X70FT	AS REQUIRED	1.0	695	718	278329	6235	10150	276	16661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.		AS REQUIRED	1.0	2	1	2709		131	131	262
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
84290AA	TANKER WATERING SERVICE FACILITIES,	1000 BBL	AS REQUIRED	1.0	8	28	18849		1160	189	1349
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					4028	13486	6803933	25269	234234	101929	361432

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TROPIC CLIMATE

MARINE TERMINAL,POL,200000 BARREL CAPAC W/50M WLDD TNKS,10M AND 3M BLTD TANKS W/12 SUBM PPLN. TEMP,TROP & DST CLIMATE. T-2 TANKER DISCHARGING W/24HR TURN AROUND TIME. MARINE TERM W/5-LEG MOORING BERTH.12IN SUBMARINE PPLN,12IN INLAND PPLN BOOSTER PMP STA & OPER BLDG.TANK FARM COMPLEX FOR STGE OF 4 PROD. FOR RECEIVG 800000 BBLS/MO.MAX. REQUIRES 60 ACRES FINE AGGR. 20CY. COARSE AGGR. 22CY. FIREFTG EQUIP. HAND EXT. PA1145

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	1.0	14	21	50497	29	522	145	696
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	4.0	180	708	95916	232	5510	2436	8178
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	4.0	16	16	44460	58	1334	928	2320
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	4.0	108	224	216436	232	1624	464	2320
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	4.0	4	4	4984	46	302	116	464
12590AT	PPLN SUBMAR 12IN POL 60FT DEP 1 MI	5300FT-12IN	AS REQUIRED	1.0	275	322	96144	2610	3234	1189	7033
16390AD	TNKR MOORING POL 5LEGS-60 FT DEPTH	5LEG 60FT DP	AS REQUIRED	1.0	98	254	169468	870	972	580	2422
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	164	113536	841	4930	2523	8294
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	182766	1305	19314	8700	29319
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	2.0	14	30	23462	93	1325	493	1911
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					868	2629	1312681	7398	44242	20750	72390

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TROPIC CLIMATE

MARINE TERMINAL,POL,400000 BARREL CAPAC W/50M WLDD TNKS,10M AND 3M BLTD TANKS W/12 SUBM PPLN. TEMP,TROP & DST CLIMATE. T-2 OR SUPER TNK DISCHG W/13HR TURN AROUND TIME. MARINE TERM W/7-LEG MOORING BERTH. 12IN SUBMARINE PPLN, 12IN INLAND PPLN,BOOSTER PMP STA & OPER BLDG. TANK FARM COMPLEX FOR STGE OF 4 PROD. FOR RECEIVG 1500000 BBLS/MO.MAX.REQUIRES 121 ACRE FINE AGGR. 40CY. COARSE AGGR. 44CY. FIREFTG EQUIP. HAND EXT. PA1155

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	4.0	180	708	95916	232	5510	2436	8178
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	8.0	32	32	88920	116	2668	1856	4640
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	8.0	216	448	432872	464	3248	928	4640
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	8.0	8	8	9968	93	603	232	928
12590AT	PPLN SUBMAR 12IN POL 60FT DEP 1 MI	5300FT-12IN	AS REQUIRED	1.0	275	322	96144	2610	3234	1189	7033
16390AG	TNKR MOORING POL 7LEGS-60 FT DEPTH	7LEG 60FT DP	AS REQUIRED	1.0	136	351	235507	1218	1305	812	3335
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1243	4092	2430229	11556	80027	37865	129448

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TROPIC CLIMATE

MARINE TERMINAL,POL,40000 BARREL CAPAC W/5OM WLDD TNKS,10M AND 3M BLTD TANKS W/12 SUBM PPLN. TEMP,TROP & DST CLIMATE. T-2 OR SUPER TNK DISCHG W/13HR TURN AROUND TIME. MARINE TERM W/7-LEG MOORING BERTH. 12IN SUBMARINE PPLN,12IN INLAND PPLN,BOOSTER PMP STA & OPER BLDG. TANK FARM COMPLEX FOR STGE OF 4 PROD. FOR RECIEVING 1500000 BBLS/MO.MAX. REQUIRES 121 ACRES. FINE AGGR. 40CY. COARSE AGGR. 44CY. FIREFTG EQUIP. PA1165

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	12.0	540	2124	287748	696	16530	7308	24534
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	8.0	32	32	88920	116	2668	1856	4640
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	12.0	324	672	649308	696	4872	1392	6960
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	3.0	24	75	55329	44	370	109	523
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
12590AT	PPLN SUBMAR 12IN POL 60FT DEP 1 MI	5300FT-12IN	AS REQUIRED	2.0	550	644	192288	5220	6467	2378	14065
16390AG	TNKR MOORING POL 7LEGS-60 FT DEPTH	7LEG 60FT DP	AS REQUIRED	1.0	136	351	235507	1218	1305	812	3335
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	4.0	28	60	46924	186	2651	986	3823
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					2014	6133	2994954	14952	96576	44615	156143

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TROPIC CLIMATE

MARINE TERMINAL,POL,1000000 BARREL CAPAC W/50M WLDD TNKS, PA1175
10M & 3M BLTD TANKS W/12 SUBM PPLN. TEMP,TROP & DST CLIMATE.
T-2 OR SUPER TANKER DISCHARGING W/13 HR TURN AROUND TIME.
MARINE TERM W/7-LEG MOORING BERTH.12IN SUBMARINE PPLN,12IN
INLAND PPLN,BOOSTER PMP STA & OPER BLDG.TANK FARM COMPLEX
FOR STGE OF 4 PROD. FOR RECEIVG 3000000 BBLS/MO.MAX. REQUIRE
307 ACRES. FINE AGGR. 80CY. COARSE AGGR. 88CY. FIREFTG EQUIP

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	16.0	720	2832	383664	928	22040	9744	32712
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	16.0	432	896	865744	928	6496	1856	9280
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	5.0	40	125	92215	73	616	181	870
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
12590AT	PPLN SUBMAR 12IN POL 60FT DEP 1 MI	5300FT-12IN	AS REQUIRED	1.0	275	322	96144	2610	3234	1189	7033
16390AG	TNKR MOORING POL 7LEGS-60 FT DEPTH	7LEG 60FT DP	AS REQUIRED	1.0	136	351	235507	1218	1305	812	3335
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2530	9683	5199434	20789	195584	90639	307012

TROPIC CLIMATE

MARINE TERMINAL,POL,1000000 BARREL CAPAC W/50M WLDD TNKS,10M AND 3M BLTD TANKS W/12 SUBM PPLN. TEMP,TROP & DST CLIMATE. T-2 OR SUPER TNKR DISCH W/13HR TURN AROUND TIME.MARINE TERM W/7-LEG MOORING BERTH.12IN SUBMARINE PPLN,12IN INLAND PPLN, BOOSTER PMP STA & OPER BLDG. TANK FARM COMPLEX FOR STGE OF 4 PROD. FOR RECEIVING 3000000 BBLS/MO.MAX. REQUIRES ACRE S. FINE AGGR. 80CY. COARSE AGGR. 88CY. FIREFTG EQUIP. HAND PA1185

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	32.0	1440	5664	767328	1856	44080	19488	65424
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	32.0	864	1792	1731488	1856	12992	3712	18560
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
12590AT	PPLN SUBMAR 12IN POL 60FT DEP 1 MI	5300FT-12IN	AS REQUIRED	2.0	550	644	192288	5220	6467	2378	14065
16390AG	TNKR MOORING POL 7LEGS-60 FT DEPTH	7LEG 60FT DP	AS REQUIRED	1.0	136	351	235507	1218	1305	812	3335
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	2.0	2	14	12884	131	522	218	871
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	8.0	56	120	93848	371	5301	1972	7644
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					3925	13616	6463715	25240	227143	103479	355862

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TROPIC CLIMATE

150000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1019
TEMPERATE,TROPIC,FRIGID & DESERT. USES 2-50M BBL AND 4-10M
&3-3M BLTD STEEL TANKS W/ 8IN PIPE, FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.
REQUIRES 26 ACRES. 10CY FINE AGGR. 11CY. COARSE AGGR. HAND
EXT. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	4.0	16	36	31748	29	203	58	290
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	15	9258	15	160	87	262
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	3.0	39	48	10500	44	870	609	1523
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	2.0	8	386	105694	870	12847	5800	19517
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	3.4	24	27	4774	237	1094	1104	2435
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					180	884	385200	2759	24603	12199	39561

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TROPIC CLIMATE

200000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1029
TEMPERATE,TROPIC,FRIGID & DESERT. USES 3-50M BBL & 4-10M &3-
3M BLTD STEEL TANKS W/8IN PIPE,FITTINGS,PMPS,MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING. REQUIRE
11 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	15	9258	15	160	87	262
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	4.0	52	64	14000	58	1160	812	2030
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	158541	1305	19271	8700	29276
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	3.6	25	29	5054	251	1159	1169	2579
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					182	*1059*	*410079*	*3193*	*31179*	*15309*	*49681*

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TROPIC CLIMATE

200000 BBL TNK FARM BULK STGE WITH 12IN PIPE & ACCESSORIES PB1039
TEMPERATE,TROPIC,FRIGID & DESERT. USES 3-50M BBL & 4-10M &
3-3M BBL STEEL TANKS W/12IN PIPE,FITTINGS,PMPS,MANIFOLDS,
OPERATIONS BLDG.WATER STORAGE TANK & SECURITY FENCING.
REQUIRES 11 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND
EXT. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	66	368	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	4.0	16	16	44460	58	1334	928	2320
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	164	113536	841	4930	2523	8296
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	182766	1305	19314	8700	29319
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	3.6	25	29	5054	251	1159	1169	2579
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					199	1102	757865	3301	32213	15672	51188

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TROPIC CLIMATE

250000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1049
TEMPERATE,TROPIC,FRIGID & DESERT. USES 4-50M BBL & 5-10000
BBL BLTD STEEL TANKS W / 8IN PIPE, FITTINGS, PMPS MANIFOLDS
OPERATIONS BLDG.WATER STGE TANK & SECURITY FENCING. REQUIRES
28 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	4.0	16	36	31748	29	203	58	290
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	15	9258	15	160	87	262
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	6.0	78	96	21000	87	1740	1218	3045
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	5.0	15	200	100575	1015	6163	3118	10296
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	4.0	16	772	211388	1740	25694	11600	39034
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					228	1267	486219	3524	38398	18470	60392

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TROPIC CLIMATE

250000 BBL TNK FARM BULK STGE WITH 12IN PIPE & ACCESSORIES PB1059
TEMPERATE,TROPIC,FRIGID & DESERT. USES 4-50M BBL & 5-10000
BBL BLTD STEEL TANKS W/ IN PIPE, FITTINGS, PMPS MANIFOLDS,
OPERATIONS BLDG, WATER STGE TANK & SECURITY FENCING.REQUIRE
28 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	1.0	9	32	4440	22	283	102	407
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	6.0	24	24	66690	87	2001	1392	3480
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	5.0	15	205	141920	1051	6163	3154	10368
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	4.0	16	772	243688	1740	25752	11600	39092
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					211	1251	833831	3610	39333	18840	61783

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TROPIC CLIMATE

50000 BBL TNK FARM BULK STGE WITH 6IN PIPE & ACCESSORIES PB1069
TEMPERATE,TROPIC,FRIGID & DESERT. USES 4-10M BBL & 4-3M BBL
BOLTED STEEL TANKS W/ 6IN PIPE, FITTINGS, PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.
REQUIRES 14 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EX
T. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AB	6IN-SWITCH MNFLD F/TNK FARM W/O PMP	6-INCH	AS REQUIRED	1.0	9	9	15541	15	218	73	306
12510AE	FLOOD PMP 785 BPH 6IN MANIFOLD	785 BPH	AS REQUIRED	2.0	20	38	43920	29	624	160	813
12510AH	TANK PMP POL 700 BPH W/6 IN MANIFD	700 BPH	AS REQUIRED	2.0	8	16	15484	15	102	29	146
12510AN	TRANS PMP POL 700 BPH W/6 IN MNFD	700 BPH	AS REQUIRED	1.0	11	15	18715	44	334	73	451
12510AU	PPLN POL 1000 FT OF 6 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	11	5196	15	109	65	189
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	1.6	18	21	11621	12	267	162	441
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AG	TANK, POL, 3000 BARREL, W/6 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	50152	522	1798	1218	3538
41180AJ	TANK POL 10000 BARREL W/6 IN PIPE	10000 BBL	AS REQUIRED	4.0	8	160	82984	812	4930	2436	8178
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	3.4	24	27	4774	237	1094	1104	2435
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					131	469	277978	1937	11198	6018	19153

TROPIC CLIMATE

50000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1079
TEMPERATE,TROPIC,FRIGID & DESERT. USES 4-10M BBL & 4-3M
BBL BOLTED STEEL TANKS W/ 8IN PIPE, FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.
REQUIRES 14 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EX
T. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	2.0	8	18	15874	15	102	29	146
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	15	9258	15	160	87	262
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	1.6	21	26	5600	23	464	325	812
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	3.4	24	27	4774	237	1094	1104	2435
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					148	490	270776	1984	11698	6405	20087

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TROPIC CLIMATE

100000 BBL TNK FARM BULK STGE WITH 6IN PIPE & ACCESSORIES PB1089
TEMPERATE,TROPIC,FRIGID & DESERT. USES 9-10M BBL & 4-3M BBL
BOLTED STEEL TANKS W/6 IN PIPE, FITTINGS, PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.REQUIRES
23 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AB	6IN-SWITCH MNFLD F/TNK FARM W/O PMP	6-INCH	AS REQUIRED	1.0	9	9	15541	15	218	73	306
12510AE	FLOOD PMP 785 BPH 6IN MANIFOLD	785 BPH	AS REQUIRED	2.0	20	38	43920	29	624	160	813
12510AH	TANK PMP POL 700 BPH W/6 IN MANIFD	700 BPH	AS REQUIRED	5.0	20	40	38710	36	254	73	363
12510AN	TRANS PMP POL 700 BPH W/6 IN MNFD	700 BPH	AS REQUIRED	1.0	11	15	18715	44	334	73	451
12510AU	PPLN POL 1000 FT OF 6 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	22	10392	29	218	131	378
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	3.0	33	39	21789	22	500	305	827
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AG	TANK, POL, 3000 BARREL, W/6 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	50152	522	1798	1218	3538
41180AJ	TANK POL 10000 BARREL W/6 IN PIPE	10000 BBL	AS REQUIRED	9.0	18	360	186714	1827	11093	5481	18401
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.2	29	34	5897	292	1352	1364	3008
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					179	729	421421	3052	18113	9576	30741

TROPIC CLIMATE

100000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1099
TEMPERATE,TROPIC,FRIGID & DESERT. USES 9-10M & 4-3M
BBL BOLTED STEEL TANKS W/8 IN PIPE, FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.
REQUIRES 23 ACRES. 10CY FINE AGGR. 10CY COARSE AGGR. HAND EX
I. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	5.0	20	45	39685	36	254	73	363
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	30	18516	29	319	174	522
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	3.0	39	48	10500	44	870	609	1523
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	9.0	27	360	181035	1827	11093	5612	18532
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.2	29	34	5897	292	1352	1364	3008
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					204	761	410443	3110	18836	10198	32144

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TROPIC CLIMATE

150000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1109
TEMPERATE,TROPIC,FRIGID & DESERT. USES 14-10M & 4-3M
BBL BOLTED STEEL TANKS W/8IN PIPE,FITTINGS,PMPS MANIFOLDS
OPERATIONS BLDG-WATER STGE TANK & SECURITY FENCING.
REQUIRES 31 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EX
T. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	4.0	16	36	31748	29	203	58	290
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	3.0	18	45	27774	44	479	261	784
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	4.0	52	64	14000	58	1160	812	2030
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	14.0	42	560	281610	2842	17255	8729	28826
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.5	32	36	6318	313	1449	1462	3224
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					237	985	516260	4168	25494	13688	43350

TROPIC CLIMATE

200000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1119
TEMPERATE,TROPIC,FRIGID & DESERT. USES 19-10M & 4-3M BBL
BOLTED STEEL TANKS W/8 IN PIPE,FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.REQUIRES
31 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	4.0	16	36	31748	29	203	58	290
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	6	15	9258	15	160	87	262
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	6.0	78	96	21000	87	1740	1218	3045
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	19.0	57	760	382185	3857	23418	11847	39122
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	5.0	35	40	7020	348	1610	1624	3582
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					269	1191	606021	5218	32079	17200	54497

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TROPIC CLIMATE

200000 BBL TNK FARM BULK STGE WITH 12IN PIPE & ACCESSORIES PB1129
IEMPERATE,TROPIC,FRIGID & DESERT. USES 19-10M & 4-3M BBL
BOLTED STEEL TANKS W/12IN PIPE,FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG. WATER STGE TANK & SECURITY FENCING.
REQUIRES 31 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EX
I. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	4.0	28	56	65016	29	232	87	348
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	.2	3	3	700	3	58	41	102
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	6.0	24	24	66690	87	2001	1392	3480
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	19.0	57	779	539296	3995	23418	11984	39397
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	5.0	35	40	7020	348	1610	1624	3582
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					246	1160	1033359	5387	32731	17610	55728

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TROPIC CLIMATE

250000 BBL TNK FARM BULK STGE WITH 8IN PIPE & ACCESSORIES PB1139
TEMPERATE,TROPIC,FRIGID & DESERT. USES 24-10M & 4-3M
BEL BOLTED STEEL TANKS W/ 8IN PIPE,FITTINGS,PMPS
MANIFOLDS,OPERATIONS BLDG. WATER STGE TANK & SECURITY
FENCING. REQUIRES ACRES. 10CY FINE AGGR. 11CY COARSE AGGR.
HAND EXT. ONLY INCLUDED W/INSTALLATION AS FIREFIGHTING EQUI
P.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	1.0	16	16	19680	15	261	87	363
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	22	40	41254	58	812	232	1102
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	5.0	20	45	39685	36	254	73	363
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	1.0	12	16	16109	51	355	73	479
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	30	18516	29	319	174	522
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	7.0	91	112	24500	102	2030	1421	3553
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	24.0	72	960	482760	4872	29580	14964	49416
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	5.0	35	40	7020	348	1610	1624	3582
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					307	1431	727291	6269	38741	20622	65632

TROPIC CLIMATE

250000 BBL TNK FARM BULK STGE WITH 12 IN PIPE & ACCESSORIES PB1149
TEMPERATE,TROPIC,FRIGID & DESERT. USES 24-10M & 4-3M BBL
BOLTED STEEL TANKS W/12IN PIPE,FITTINGS,PMPS MANIFOLDS,
OPERATIONS BLDG,WATER STGE TANK & SECURITY FENCING. REQUIRES
30 ACRES. 10CY FINE AGGR. 11CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	1.0	26	23	97212	44	348	116	508
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	2.0	28	42	100994	58	1044	290	1392
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	5.0	35	70	81270	36	290	109	435
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	1.0	18	21	78664	65	500	102	667
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	7.0	28	28	77805	102	2335	1624	4061
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	2.0	2	2	2736	15	102	58	175
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	24.0	72	984	681216	5046	29580	15138	49764
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	5.0	35	40	7020	348	1610	1624	3582
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					287	1444	1210828	6501	39793	21180	67474

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TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 6INCH LINE PB1159
50000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	12.0	108	312	328176	1114	2645	835	4594
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AA	PPL BBL CLEANER ASSY.6IN		AS REQUIRED	1.0	4	4	6995	26	155	65	246
12510BN	PPLN POL 1 MILE- 6 IN API GROVE	1 MILE	AS REQUIRED	2.0	118	126	89200	116	1508	841	2465
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					345	981	911514	3718	15578	8006	27302

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TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 8INCH LINE PB1169
100000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	GENL	TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	17.0	153	442	464916	1578	3747	1183	6508
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	9.0	27	360	181035	1827	11093	5612	18532
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					430	1347	1097785	5313	23481	11646	40440

TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 8INCH LINE PB1179
150000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	13.0	117	338	355524	1206	2865	905	4976
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	2.0	8	386	105694	870	12847	5800	19517
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	1.0	7	8	1404	70	322	325	717
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					363	1366	970814	4393	27607	12648	44648

TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 10INCH LINE 200000 BBL PB1189

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	14.0	126	364	382872	1299	3086	974	5359
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,8IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CD	PIPELN,1MILE,10IN GRVD STL API PIPE		AS REQUIRED	2.0	196	350	60464	290	2625	1233	4148
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	3.0	6	96	36132	392	1349	957	2698
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	4.0	12	160	80460	812	4930	2494	8236
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	3.0	12	579	158541	1305	19271	8700	29276
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					454	1813	1085827	5252	35958	16918	58128

TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 10INCH LINE 250000 BBL PB1199

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	18.0	162	468	492264	1670	3967	1253	6890
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CD	PIPELN,1MILE,10IN GRVD STL API PIPE		AS REQUIRED	2.0	196	350	60464	290	2625	1233	4148
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	5.0	15	200	100575	1015	6163	3118	10296
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	4.0	16	772	211388	1740	25694	11600	39034
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					459	2027	964550	5927	43842	20692	70461

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TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 8INCH LINE PB1219
43000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	12.0	108	312	328176	1114	2645	835	4594
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	5.0	10	160	60220	653	2248	1595	4496
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	3.0	9	120	60345	609	3698	1871	6178
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					369	1009	852399	3762	15434	7876	27072

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TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 8INCH LINE PB1219
43000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	12.0	108	312	328176	1114	2645	835	4594
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	5.0	10	160	60220	653	2248	1595	4496
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	3.0	9	120	60345	609	3698	1871	6178
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					369	1009	852399	3762	15434	7876	27072

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TROPIC CLIMATE

POL SYSTEM TANK FARM,MODULAR INSTALLATION 8INCH LINE PB1229
65000 BBL

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	12.0	108	312	328176	1114	2645	835	4594
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	5.0	10	160	60220	653	2248	1595	4496
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	5.0	15	200	100575	1015	6163	3118	10296
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AK	FENCE,CORNER POST 10 FT HI BARB WIR		AS REQUIRED	4.0	4	4	508	52	81	81	214
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					351	1061	887521	3942	16692	7905	28539

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TROPIC CLIMATE

POL SYSTEM TANK FARM MODULAR INSTALLATION 10INCH LINE, 85000 BBL. PB1239

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	16.0	144	416	437568	1485	3526	1114	6125
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CD	PIPELN,1MILE,10IN GRVD STL API PIPE		AS REQUIRED	2.0	196	350	60464	290	2625	1233	4148
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	5.0	10	160	60220	653	2248	1595	4496
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	7.0	21	280	140805	1421	8628	4365	16414
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					472	1481	1075341	5108	22014	10986	38108

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TROPIC CLIMATE

POL SYSTEM TANK FARM MODULAR INSTALLATION 10INCH LINE, 110000 BBL. PB1249

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	17.0	153	442	464916	1578	3747	1183	6508
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	5.0	40	155	315675	464	1102	348	1914
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CD	PIPELN,1MILE,10IN GRVD STL API PIPE		AS REQUIRED	2.0	196	350	60464	290	2625	1233	4148
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	4.0	8	128	48176	522	1798	1276	3596
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	10.0	30	400	201150	2030	12325	6235	20590
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					489	1584	1142064	5574	25192	12487	43253

TROPIC CLIMATE

400000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1019
TEMPERATE,TROPIC,DESERT & FRIGID CLIM. W/6IN-INLAND PPLN.
BOOSTER PMP STA.& OPER BLDG. CONSISTS OF 2-200000 BBL TANK
FARMS MADE UP OF 6 50BBL WLDD,8-10M & 6-3M BARREL BLTD STL
TANKS,WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 110ACRE
300CY FINE AGGR. 33CY COARSE AGGR. HAND EXT. ONLY INCLUDED
W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AB	6IN-SWITCH MNFLD F/TNK FARM W/O PMP	6-INCH	AS REQUIRED	1.0	9	9	15541	15	218	73	306
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	2.0	32	32	39360	29	522	174	725
12510AE	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	4.0	44	80	82508	116	1624	464	2204
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	8.0	32	72	63496	58	406	116	580
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	2.0	24	32	32218	102	711	145	958
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	30	18516	29	319	174	522
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	4.0	120	200	128832	174	1856	1276	3306
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	8.0	104	128	28000	116	2320	1624	4060
12530AE	BOOSTER STATION POL 1400 BPH	1400 BPH	AS REQUIRED	4.0	52	112	108604	232	551	203	986
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	320	160920	1624	9860	4988	16472
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	317082	2610	38541	17400	58551
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	3.0	21	45	35193	139	1988	740	2867
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	7.1	50	57	9968	494	2285	2306	5085
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					598	2549	1164098	7002	66508	32745	106255

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TROPIC CLIMATE

400000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1029
TEMPERATE,TROPIC,DESERT & FRIGID. W/8IN-INLAND PPLN,BOOSTER
PMP STAT.& OPER BLDG. CONSISTS OF 2-200000 BBL TANK FARMS
MADE UP OF 6 50M WELDED, 8-10M & 6 3M BARREL BLTD STL TANKS,
WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 110 ACRES
30CY FINE AGGR. 33CY COARSE AGGR. HAND EXT. INCLUDED W/INSTA
LLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	3.0	48	48	59040	44	783	261	1088
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	4.0	44	80	82508	116	1624	464	2204
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	8.0	32	72	63496	58	406	116	580
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	2.0	24	32	32218	102	711	145	958
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	30	18516	29	319	174	522
12510BB	PPLN POL 1 MILE OF 8 INCH GROOVE	1 MILE-8INCH	AS REQUIRED	8.0	288	696	302376	464	5220	3712	9396
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	8.0	104	128	28000	116	2320	1624	4060
12530AF	BOOSTER STATION POL 2800 BPH	2800 BPH	AS REQUIRED	8.0	112	232	216560	464	1102	406	1972
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	12.0	12	12	16416	87	609	348	1044
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	320	160920	1624	9860	4988	16472
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	317082	2610	38541	17400	58551
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	3.0	21	45	35193	139	1988	740	2867
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	7.1	50	57	9968	494	2285	2306	5085
					829	3168	1453881	7507	69973	35236	112716

TROPIC CLIMATE

400000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1039
TEMPERATE,TROPIC,DESERT & FRIGID. W/12IN-INLAND PPLN,
BOOSTER PMP STA.& OPER BLDG.CONSISTS OF 2-2000000 BBL TANK
FARMS MADE UP OF 6-50M WELDED,8-10M & 6-3M BARREL BLTD STL
TANKS,WATER SUPPLY TANK & SECURITY FENCING REQUIRES 110ACRES
30CY FINE AGGR. 33CY COARSE AGGR. HAND EXT. ONLY INCLUDED
W/INSTALLATION AS.FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	3.0	78	69	291636	131	1044	348	1523
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	4.0	56	84	201988	116	2088	580	2784
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	8.0	56	112	130032	58	464	174	696
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	2.0	36	42	157328	131	1001	203	1335
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	2.0	18	64	8880	44	566	203	813
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	8.0	360	1416	191832	464	11020	4872	16356
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	8.0	32	32	88920	116	2668	1856	4640
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	8.0	216	448	432872	464	3248	928	4640
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	4.0	4	4	5472	29	203	116	348
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	8.0	8	8	9968	93	603	232	928
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	6.0	12	192	72264	783	2697	1914	5394
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	8.0	24	328	227072	1682	9860	5046	16588
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	6.0	24	1158	365532	2610	38628	17400	58638
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	3.0	21	45	35193	139	1988	740	2867
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	8.0	56	64	11232	557	2575	2598	5730
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					1031	4140	2270873	7840	80857	38126	126823

TROPIC CLIMATE

600000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1049
TEMPERATE,TROPIC,DESERT & FRIGID. W/8IN-INLAND PPLN,BOOSTER
PMP STA.& OPER BLDG. CONSISTS OF 3-200000 BBL TANK FARMS
MADE UP OF 9-50M WELDED,12-10M & 9-3M BARREL BLTD STL
TANKS,WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 188
ACRES. 50CY FINE AGGR. 55CY COARSE AGGR. HAND EXT. ONLY INCL
UDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	4.0	64	64	78720	58	1044	348	1450
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	6.0	66	120	123762	174	2436	696	3306
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	12.0	48	108	95244	87	609	174	870
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	3.0	36	48	48327	152	1066	218	1436
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	3.0	18	45	27774	44	479	261	784
12510BB	PPLN POL 1 MILE OF 8 INCH GROOVE	1 MILE-8INCH	AS REQUIRED	18.0	648	1566	680346	1044	11745	8352	21141
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	12.0	156	192	42000	174	3480	2436	6090
12530AF	BOOSTER STATION POL 2800 BPH	2800 BPH	AS REQUIRED	12.0	168	348	324840	696	1653	609	2958
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	6.0	6	6	8208	44	305	174	523
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	6.0	6	6	7476	70	452	174	696
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	6.0	30	60	31212	218	870	392	1480
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	3.0	3	39	27774	348	1392	566	2306
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	9.0	18	288	108396	1175	4046	2871	8092
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	12.0	36	480	241380	2436	14790	7482	24708
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	9.0	36	1737	475623	3915	57812	26100	87827
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	5.0	35	75	58655	232	3313	1233	4778
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	10.7	75	86	15023	745	3444	3475	7664
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	6.0	12	12	1992	70	1044	418	1532
					1461	5280	2396752	11682	109980	55979	177641

TROPIC CLIMATE

600000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1059
TEMPERATE,TROPIC,DESERT & FRIGID. W/12IN-INLAND PPLN,
BOOSTER PMP STA.& OPER BLDG. CONSISTS OF 3-200000 BBL TANK
FARMS MADE UP OF 9-50M WELDED,12-10M & 9-3M BARREL BLTD STL
TANKS,WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 188
ACRES. 50CY FINE AGGR. 55CY COARSE AGGR. HAND EXT. ONLY INCL
UDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	4.0	104	92	388848	174	1392	464	2030
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	6.0	84	126	302982	174	3132	870	4176
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	12.0	84	168	195048	87	696	261	1044
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	3.0	54	63	235992	196	1501	305	2002
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	3.0	27	96	13320	65	848	305	1218
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	18.0	810	3186	431622	1044	24795	10962	36801
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	12.0	48	48	133380	174	4002	2784	6960
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	12.0	324	672	649308	696	4872	1392	6960
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	6.0	6	6	8208	44	305	174	523
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	6.0	30	60	31212	218	870	392	1480
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	3.0	3	39	27774	348	1392	566	2306
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	9.0	18	288	108396	1175	4046	2871	8092
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	12.0	36	492	340608	2523	14790	7569	24882
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	9.0	36	1737	548298	3915	57942	26100	87957
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	5.0	35	75	58655	232	3313	1233	4778
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	10.7	75	86	15023	745	3444	3475	7664
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	6.0	12	12	1992	70	1044	418	1532
					1798	7258	3505618	12019	129289	60489	201797

TROPIC CLIMATE

800000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1069
TEMPERATE,TROPIC,DESERT & FRIGID. W/8 IN-INLAND PPLN,
BOOSTER PMP STA. & OPER BLDG. CONSISTS OF 4-200000 BBL TANK
FARMS MADE UP OF 12-50M WELDED\16-10M & 12-3M BARREL BLTD
TANKS,WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 267
ACRES. 70CY FINE AGGR. 77CY AGGR. HAND EXT. ONLY INCLUDED
W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	5.0	80	80	98400	73	1305	435	1813
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	88	160	165016	232	3248	928	4408
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	16.0	64	144	126992	116	812	232	1160
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	4.0	48	64	64436	203	1421	290	1914
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	4.0	24	60	37032	58	638	348	1044
12510BB	PPLN POL 1 MILE OF 8 INCH GROOVE	1 MILE-8INCH	AS REQUIRED	24.0	864	2088	907128	1392	15660	11136	28188
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	16.0	208	256	56000	232	4640	3248	8120
12530AF	BOOSTER STATION POL 2800 BPH	2800 BPH	AS REQUIRED	24.0	336	696	649680	1392	3306	1218	5916
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	12.0	24	384	144528	1566	5394	3828	10788
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	16.0	48	640	321840	3248	19720	9976	32944
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	12.0	48	2316	634164	5220	77082	34800	117102
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	7.0	49	105	82117	325	4639	1726	6690
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	14.2	99	114	19937	988	4571	4612	10171
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2070	7295	3424874	16162	148445	75321	239928

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TROPIC CLIMATE

800000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1079
TEMPERATE,TROPIC,DESERT & FRIGID. W/12IN-INLAND PPLN,
BOOSTER PMP STA.& OPER BLDG. CONSISTS OF 4-200000 BBL TANK
FARMS MADE UP OF 12-50M WELDED,16-10M & 12-3M BARREL BLTD
STL TANKS, WATER SUPPLY TANK & SECURITY FENCING. REQUIRES
267 ACRES. 70CY FINE AGGR. 77CY COARSE AGGR. HAND EXT. ONLY
INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	24.0	1080	4248	575496	1392	33060	14616	49068
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	16.0	64	64	177840	232	5336	3712	9280
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	24.0	648	1344	1298616	1392	9744	2784	13920
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	24.0	24	24	29904	278	1810	696	2784
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	12.0	24	384	144528	1566	5394	3828	10788
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	16.0	48	656	454144	3364	19720	10092	33176
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	12.0	48	2316	731064	5220	77256	34800	117276
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	7.0	49	105	82117	325	4639	1726	6690
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	14.2	99	114	19937	988	4571	4612	10171
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2624	10150	5098814	16649	176610	81962	275221

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TROPIC CLIMATE

1000000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1089
TEMPERATE,TROPIC,DESERT & FRIGID. W/8 IN-INLAND PPLN,
BOOSTER PMP STA.& OPER BLDG. CONSISTS OF 4-250000 BBL TANK
FARMS MADE UP OF 16-50M WELDED, AND TWENTY 10 THOUSAND BLTD
STL TANKS,WATER SUPPLY TANK & SECURITY FENCING.REQUIRES 263
ACRES. 70CY FINE AGGR. 77CY COARSE AGGR. HAND EXT. ONLY INCL
UDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	VOL-MT	COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	5.0	80	80	98400	73	1305	435	1813
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	88	160	165016	232	3248	928	4408
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	16.0	64	144	126992	116	812	232	1160
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	4.0	48	64	64436	203	1421	290	1914
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	4.0	24	60	37032	58	638	348	1044
12510BB	PPLN POL 1 MILE OF 8 INCH GROOVE	1 MILE-8INCH	AS REQUIRED	24.0	864	2088	907128	1392	15660	11136	28188
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	24.0	312	384	84000	348	6960	4872	12180
12530AF	BOOSTER STATION POL 2800 BPH	2800 BPH	AS REQUIRED	24.0	336	696	649680	1392	3306	1218	5916
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	12.0	12	12	14952	139	905	348	1392
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	800	402300	4060	24650	12470	41180
41180AM	TANK POL 50000 BARREL W/8 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	845552	6960	102776	46400	156136
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	7.0	49	105	82117	325	4639	1726	6690
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2184	7977	3601317	17320	176253	87471	281044

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TROPIC CLIMATE

1000000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1099
TEMPERATE,TROPIC,DESERT & FRIGID. W/12IN-INLAND PPLN,
BOOSTER PMP STA.& OPER BLDG.CONSISTS OF 4-250000 BBL TANK
FARMS MADE UP OF 12-50M WELDED AND TWENTY 10 THOUSAND BLTD
STL TANKS,WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 263
ACRES. 70CY FINE AGGR. 77CY COARSE AGGR. HAND EXT. ONLY INCL
UDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AD	12IN SWITCH MNFLD F/TNK FARM NO PMP	12-INCH	AS REQUIRED	5.0	130	115	486060	218	1740	580	2538
12510AG	FLOOD PMP 1355BPH 12 IN MANIFOLD	1355 BPH	AS REQUIRED	8.0	112	168	403976	232	4176	1160	5568
12510AK	TANK PMP POL 2800 BPH W/12IN MANIFD	2800 BPH	AS REQUIRED	16.0	112	224	260064	116	928	348	1392
12510AR	TRANS PMP POL 2800 BPH W/12 IN MNFD	2800 BPH	AS REQUIRED	4.0	72	84	314656	261	2001	406	2668
12510AW	PPLN POL 1000 FT OF 12 INCH GROOVE	1000FT-12IN	AS REQUIRED	4.0	36	128	17760	87	1131	406	1624
12510BC	PPLN POL 1 MILE OF 12 INCH GROOVE	1MILE-12INCH	AS REQUIRED	24.0	1080	4248	575496	1392	33060	14616	49068
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	24.0	96	96	266760	348	8004	5568	13920
12530AG	BOOSTER STATION POL 7000 BPH	7000 BPH	AS REQUIRED	24.0	648	1344	1298616	1392	9744	2784	13920
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	24.0	24	24	29904	278	1810	696	2784
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	10.0	50	100	52020	363	1450	653	2466
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	4.0	4	52	37032	464	1856	754	3074
41180AL	TANK POL 10000 BARREL W/12 IN PIPE	10000 BBL	AS REQUIRED	20.0	60	820	567680	4205	24650	12615	41470
41180AN	TANK POL 50000 BARREL W/12 IN PIPE	50000 BBL	AS REQUIRED	16.0	64	3088	974752	6960	103008	46400	156368
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	7.0	49	105	82117	325	4639	1726	6690
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	15.0	105	120	21060	1044	4829	4872	10745
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	8.0	16	16	2656	93	1392	557	2042
					2666	10740	5401553	17836	204824	94373	317033

TROPIC CLIMATE

4000 BBL CAPACITY TANK FARM COMPLEX BULK STGE OF 4 PROD. PC1109
TEMPERATE,TROPIC,DESERT & FRIGID. W/6 IN-INLAND PPLN,BOOSTER
PMP STA.& OPER BLDG.CONSISTS %F 2-200000 BBL TANK FARMS MADE
UP OF 38-10 THOUSAND AND EIGHT 3 THOUSAND BL D S 1 TANKS,
WATER SUPPLY TANK & SECURITY FENCING. REQUIRES 110 ACRES
20CY FINE AGGR. 22CY COARSE AGGR. HAND EXT. ONLY INCLUDED
W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AB	6IN-SWITCH MNFLD F/TNK FARM W/O PMP	6-INCH	AS REQUIRED	1.0	9	9	15541	15	218	73	306
12510AC	8IN-SWITCH MNFLD F/TNK FARM W/O PMP	8-INCH	AS REQUIRED	2.0	32	32	39360	29	522	174	725
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	4.0	44	80	82508	116	1624	464	2204
12510AJ	TANK PMP POL 1400 BPH W/8 IN MANIFD	1400 BPH	AS REQUIRED	8.0	32	72	63496	58	406	116	580
12510AP	TRANS PMP POL 1400 BPH W/8 IN MNFD	1400 BPH	AS REQUIRED	2.0	24	32	32218	102	711	145	958
12510AV	PPLN POL 1000 FT OF 8 INCH GROOVE	1000FT-4IN	AS REQUIRED	2.0	12	30	18516	29	319	174	522
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	4.0	120	200	128832	174	1856	1276	3306
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	12.0	156	192	42000	174	3480	2436	6090
12530AE	BOOSTER STATION POL 1400 BPH	1400 BPH	AS REQUIRED	4.0	52	112	108604	232	551	203	986
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	8.0	8	8	10944	58	406	232	696
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	4.0	20	40	20808	145	580	261	986
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	2.0	2	26	18516	232	928	377	1537
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	96352	1044	3596	2552	7192
41180AK	TANK POL 10000 BARREL W/8 IN PIPE	10000 BBL	AS REQUIRED	38.0	114	1520	764370	7714	46835	23693	78242
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	3.0	21	45	35193	139	1988	740	2867
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	10.0	70	80	14040	696	3219	3248	7163
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	4.0	8	8	1328	46	696	278	1020
					740	2742	1492626	11003	67935	36442	115380

TROPIC CLIMATE

POL PIPELINE,41M 8MILES,WITH 355 BPH PUMP. PD1019
STATION FOR TEMP,TROP,DST & FRIGID CLIMATE. TRANSFER OF POL
PRODUCTS AT RATE OF 7000 BBL/DAY. REQUIRES 97 ACRES. 2 CY F
INE AGGR. 2 CY COARSE AGGR. ONLY HAND EXT. INCLUDED WITH INS
TALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510BD	PPLN POL 5 MILE OF 4 INCH GROOVE	5 MILES-4 IN	AS REQUIRED	1.0	61	110	61704	73	1595	1044	2712
12510BM	PPLN POL 1 MILE- 4 IN API GROVE	1 MILE	AS REQUIRED	3.0	102	69	96474	131	1827	1218	3176
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
12530AM	PUMP STATION POL FOR 4 IN PIPELINE	385 BPH	AS REQUIRED	1.0	5	86	80584	51	145	51	247
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	.3	2	2	421	21	97	97	215
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					178	280	246085	331	4034	2574	6939

TROPIC CLIMATE

POL PIPELINE,61M 17MILES,WITH 785 BPH PUMP. PD1029
STATION FOR TEMP,TROP,DST & FRIGID CLIMATE. TRANSFER OF POL
PRODUCTS AT RATE OF 15000 BBL/DAY. REQUIRES 206 ACRES. 2 CY
FINE AGGR. 2 CY COARSE AGGR. ONLY HAND EXT. INCLUDED WITH IN
STALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12510BE	PPLN POL 5 MILE OF 6 INCH GROOVE	5 MILES-6 IN	AS REQUIRED	3.0	441	717	476826	218	6308	4785	11311
12510BN	PPLN POL 1 MILE- 6 IN API GROVE	1 MILE	AS REQUIRED	2.0	118	126	89200	116	1508	841	2465
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
12530AN	PUMP STATION POL FOR 6 IN PIPELINE	789 BPH	AS REQUIRED	1.0	9	171	155992	51	312	131	494
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	.4	3	3	562	28	129	130	287
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					575	1027	730600	502	8767	6095	15364

TROPIC CLIMATE

POL PIPELINE 8IM 17MILES,WITH 1355 BPH PUMP. PD1039
STATION FOR TEMP,TROP,DST & FRIGID CLIMATE. TRANSFER OF POL
PRODUCTS AT RATE OF 27000 BBL/DAY. REQUIRES 206 ACRES. 2 CY
FINE AGGR. 2 CY COARSE AGGR. ONLY HAND EXT. INCLUDED WITH IN
STALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510BF	PPLN POL 5 MILE OF 8 INCH GROOVE	5 MILES-8 IN	AS REQUIRED	3.0	546	1296	595626	218	6743	4611	11572
12510BP	PPLN POL 1 MILE- 8 IN API GROVE	1 MILE	AS REQUIRED	2.0	142	162	38414	232	2146	1015	3393
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
12530AP	PUMP STATION POL FOR 8 IN PIPELINE	1355 BPH	AS REQUIRED	1.0	32	63	62452	58	348	160	566
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	.4	3	3	562	28	129	130	287
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					727	1534	705074	625	9876	6124	16625

TROPIC CLIMATE

POL SHORE BOOSTER STATION,6INCH LINE,1800 BPH PUMP. PD1049

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	2.0	18	52	54696	186	441	139	766
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	1.0	8	31	63135	93	220	70	383
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12505AA	FILTER COALESCER,W/10IN PIPE		AS REQUIRED	1.0	9	32	75000	93	220	70	383
12506AA	PPL BBL CLEANER ASSY.6IN		AS REQUIRED	1.0	4	4	6995	26	155	65	246
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	3.0	39	48	10500	44	870	609	1523
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					158	289	301517	949	4885	2958	8792

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TROPIC CLIMATE

POL SHORE BOOSTER STATION,8INCH LINE,3600 BPA PUMP. PD1059

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-100000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	3.0	27	78	82044	278	661	209	1148
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	2.0	16	62	126270	186	441	139	766
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12505AA	FILTER COALESCER,W/10IN PIPE		AS REQUIRED	1.0	9	32	75000	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	2.0	26	32	7000	29	580	406	1015
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	3.0	54	93	17256	44	935	653	1632
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					191	394	392212	1177	5753	3388	10318

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TROPIC CLIMATE

POL SHORE BOOSTER STATION,8INCH LINE,5400 BPH PUMP. PD1069

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	4.0	36	104	109392	371	882	278	1531
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	2.0	16	62	126270	186	441	139	766
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12505AA	FILTER COALESCER,W/10IN PIPE		AS REQUIRED	1.0	9	32	75000	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	2.0	26	32	7000	29	580	406	1015
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	3.0	54	93	17256	44	935	653	1632
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					200	420	419560	1270	5974	3457	10701

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TROPIC CLIMATE

POL SHORE BOOSTER STATION,10INCH LINE 7200 BPH PUMP. PD1079

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	7.0	63	182	191436	650	1543	487	2680
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	4.0	32	124	252540	371	882	278	1531
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12505AA	FILTER COALESCER,W/10IN PIPE		AS REQUIRED	1.0	9	32	75000	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	3.0	12	12	33345	44	1001	696	1741
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	2.0	36	62	11504	29	624	435	1088
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					213	524	653397	1785	7389	3957	13131

TROPIC CLIMATE

POL SHORE BOOSTER STATION,10INCH LINE 9000 BPH PUMP. PD1089

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	8.0	72	208	218784	742	1763	557	3062
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	4.0	32	124	252540	371	882	278	1531
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12505AA	FILTER COALESCER,W/10IN PIPE		AS REQUIRED	1.0	9	32	75000	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510BL	PPLN POL 1M FT OF 12 IN API GROVE	1000 FT	AS REQUIRED	3.0	12	12	33345	44	1001	696	1741
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	2.0	36	62	11504	29	624	435	1088
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	1.0	1	1	1246	12	75	29	116
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					222	550	680745	1877	7609	4027	13513

TROPIC CLIMATE

POL PIPELINE PUMPING STATION,6INCH LINE 1800 BPH PUMP. PD1149

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	2.0	18	52	54696	186	441	139	766
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	1.0	8	31	63135	93	220	70	383
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AA	PPL BBL CLEANER ASSY.6IN		AS REQUIRED	1.0	4	4	6995	26	155	65	246
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	1.0	11	13	7263	7	167	102	276
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
16105OBF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					99	196	208876	799	3604	2178	6581

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TROPIC CLIMATE

POL PIPELINE PUMPING STATION,8INCH LINE 3600 BPH PUMP. PD1159

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	3.0	27	78	82044	278	661	209	1148
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	2.0	16	62	126270	186	441	139	766
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY,8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	1.0	13	16	3500	15	290	203	508
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
16105OBF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					115	253	296578	1021	4284	2462	7767

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TROPIC CLIMATE

POL PIPELINE PUMPING STATION,6INCH LINE 1800 BPH PUMP. PD1149

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	2.0	18	52	54696	186	441	139	766
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	1.0	8	31	63135	93	220	70	383
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AA	PPL BBL CLEANER ASSY.6IN		AS REQUIRED	1.0	4	4	6995	26	155	65	246
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	1.0	11	13	7263	7	167	102	276
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	1.0	5	10	5202	36	145	65	246
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					99	196	208876	799	3604	2178	6581

TROPIC CLIMATE

POL PIPELINE PUMPING STATION,8INCH LINE 3600 BPH PUMP. PD1159

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	3.0	27	78	82044	278	661	209	1148
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	2.0	16	62	126270	186	441	139	766
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY,8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	1.0	13	16	3500	15	290	203	508
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					115	253	296578	1021	4284	2462	7767

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TROPIC CLIMATE

POL PIPELINE PUMPING STATION,8INCH LINE 5400 BPH PUMP. PD1169

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	4.0	36	104	109392	371	882	278	1531
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	2.0	16	62	126270	186	441	139	766
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AB	PPL BBL CLEANER ASSY.8IN		AS REQUIRED	1.0	5	4	6737	26	155	65	246
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	1.0	13	16	3500	15	290	203	508
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					124	279	323926	1114	4505	2531	8150

TROPIC CLIMATE

POL PIPELINE PUMPING STATION,10INCH LINE 7200 BPH PUMP. PD1179

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	7.0	63	182	191436	650	1543	487	2680
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	4.0	32	124	252540	371	882	278	1531
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	1.0	18	31	5752	15	312	218	545
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					174	443	536606	1578	5629	2894	10101

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TROPIC CLIMATE

POL PIPELINE PUMPING STATION,10INCH LINE 9000 BPH PUMP. PD1189

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL	5-10000GAL	AS REQUIRED	1.0	7	22	49987	15	80	22	117
12502AA	PMP,CENTR,1050GPM,850FTHD W/8IN MAN		AS REQUIRED	8.0	72	208	218784	742	1763	557	3062
12503AA	SWITCHING MAN 8/10IN W/3-WAY VALVES		AS REQUIRED	4.0	32	124	252540	371	882	278	1531
12504AA	METER,TURBINE,6IN,1050GPM W/10IN PI		AS REQUIRED	1.0	8	14	2551	93	220	70	383
12506AC	PIPELN BBL CLEANER TRAP 10IN IN-OUT		AS REQUIRED	1.0	7	13	8851	26	155	65	246
12510CC	PIPELN,1000FT,10IN GRVD STL API PI		AS REQUIRED	1.0	18	31	5752	15	312	218	545
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	1.0	1	1	1368	7	51	29	87
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	AS REQUIRED	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	4.0	28	32	5616	278	1288	1299	2865
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	1.0	2	2	332	12	174	70	256
					183	469	563954	1670	5849	2964	10483

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TROPIC CLIMATE

POL PIPELINE PUMP STATION.ONE 6 INCH DIESEL DRIVEN PUMP,19 MILES OF 6 INCH PIPE AND TUBING,785 BPH CAPABILITY. PD1259

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	2.0	60	100	64416	87	928	638	1653
12510BE	PPLN POL 5 MILE OF 6 INCH GROOVE	5 MILES-6 IN	AS REQUIRED	3.0	441	717	476826	218	6308	4785	11311
12510BN	PPLN POL 1 MILE- 6 IN API GROVE	1 MILE	AS REQUIRED	2.0	118	126	89200	116	1508	841	2465
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	2 UNIT	1.0	1	1	1368	7	51	29	87
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	4 UNIT	1.0	1	1	1246	12	75	29	116
12530AR	PUMP STA POL 6IN LINE 1 PUMP 600GPM	600 GPM	785 BPH	1.0	9	48	41366	264	1276	464	2004
41180AA	TANK, POL, 100 BARREL, W/4 IN PIPE	100 BBL	100 BBL	2.0	6	32	11256	73	218	87	378
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	500 BBL	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	20FTX40FT	1.0	7	15	11731	46	663	247	956
72321BC	LAT PIT TYPE FEMALE 2 SEATS 10X10	10X10X8FT	2 SEAT FEMALE	1.0	5	6	1028		162	23	185
81240AB	ELEC DISTR POL PUMP STA 6 IN LINE	2	AS REQUIRED	1.0	3	6	14092	102	348	220	670
84330AD	FIREFIGHT SYS EQP FOAM,POL 3000GAL		AS REQUIRED	1.0	1	5	17434		46		46
85110CJ	ROAD PAVEMENT,CLASS C,STAB SURFACE		ONE LANE	.4	177	119	884	71		23	94
85130KB	ROAD,CLASS C,GRADED AND DRAINED 1MI		ONE LANE	.4	1	2	538	1494		944	2438
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	TYPE Y	2.0	14	16	2808	139	644	650	1433
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	MAN/VEH	6.0	12	12	1992	70	1044	418	1532
					857	1213	742627	2764	13532	9507	25803

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TROPIC CLIMATE

POL PIPELINE PUMP STATION.TWO 6 INCH DIESEL DRIVEN PUMPS,19 MILES OF 6 INCH PIPE AND TUBING,1570 BPA CAPABILITY. PD1269

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	2.0	60	100	64416	87	928	638	1653
12510BE	PPLN POL 5 MILE OF 6 INCH GROOVE	5 MILES-6 IN	AS REQUIRED	3.0	441	717	476826	218	6308	4785	11311
12510BN	PPLN POL 1 MILE- 6 IN API GROVE	1 MILE	AS REQUIRED	2.0	118	126	89200	116	1508	841	2465
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	2 UNIT	1.0	1	1	1368	7	51	29	87
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	4 UNIT	1.0	1	1	1246	12	75	29	116
12530AT	PUMP STA POL 6IN TWO PUMPS 1200 GPM	1200 GPM	785 BPH	1.0	14	92	76277	296	1511	557	2364
41180AA	TANK, POL, 100 BARREL, W/4 IN PIPE	100 BBL	100 BBL	2.0	6	32	11256	73	218	87	378
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE	500 BBL	500 BBL	1.0	1	7	6442	65	261	109	435
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	20FTX40FT	1.0	7	15	11731	46	663	247	956
72321BC	LAT PIT TYPE FEMALE 2 SEATS 10X10	10X10X8FT	2 SEAT FEMALE	1.0	5	6	1028		162	23	185
81240AB	ELEC DISTR POL PUMP STA 6 IN LINE	2	AS REQUIRED	1.0	3	6	14092	102	348	220	670
84330AD	FIREFIGHT SYS EQP FOAM,POL 3000GAL		AS REQUIRED	1.0	1	5	17434		46		46
85110CJ	ROAD PAVEMENT,CLASS C,STAB SURFACE		ONE LANE	.4	177	119	884	71		23	94
85130KB	ROAD,CLASS C,GRADED AND DRAINED 1MI		ONE LANE	.4	1	2	538	1494		944	2438
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	TYPE Y	2.0	14	16	2808	139	644	650	1433
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	MAN/VEH	6.0	12	12	1992	70	1044	418	1532
					862	1257	777538	2796	13767	9600	26163

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TROPIC CLIMATE

POL TANK TRUCK LOADING STATION.2 STATIONS/4-UNITS. PE1019
TEMP/TROP/DST & FRIGID CLIM. LOAD 5000 GALLON TRUCKS AT RATE OF TWENTY TRUCKS/DAY/PRODUCT. TANKS/PPLNS/MANIFOLDS/PUMPS/ OPERATIONS BLDG TO HANDLE 4 PRODUCTS OR LESS. REQUIRES 40 AC RES. 185 CY FINE AGGR. 290 CY COARSE AGGR. ONLY HAND EXT. IN CLUDGD W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AE	FLOOD PMP 785 BPH 6IN MANIFOLD	785 BPH	AS REQUIRED	1.0	10	19	21960	15	312	80	407
12510AL	DIST MNFLD F/DRUM & CAN LOADG INSTL	785BPH/6-IN	AS REQUIRED	1.0	1	1	1792	7	65	15	87
12510AT	PPLN POL 1000 FT OF 4 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	3	5	2498	15	107	52	174
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	8.0	240	400	257664	348	3712	2552	6612
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	4.0	32	100	73772	58	493	145	696
12530AK	PUMP STATION FUEL SUPPLY/ POL/ FOR	2-UNIT	AS REQUIRED	3.0	3	3	4104	22	152	87	261
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION	AS REQUIRED	1.0	12	12	13862	218	471	1530	2219
41180AB	TANK/ POL/ 250 BARREL/ W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AG	TANK/ POL/ 3000 BARREL/ W/6 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	100304	1044	3596	2436	7076
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	2.7	19	22	3791	188	869	877	1934
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					385	906	531532	2224	12021	8748	22993

TROPIC CLIMATE

POL TANK CAR LOADING STATION,5 STATIONS. PE1029
TEMP,TROP,DST & FRIGID CLIM. LOAD FIFTEEN 10 THOUSAND GALLON RAILWAY TANK CARS PER DAY. PROVIDES TANKS,PPLNS,MANIFOLDS, PUMPS,OPERATIONS BLDG TO HANDLE 4 PRODUCTS OR LESS. REQUIRES 41 ACRES. 185CY FINE AGGR. 290CY COARSE AGGR. ONLY HAND EXT . INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AE	FLOOD PMP 785 BPH 6IN MANIFOLD	785 BPH	AS REQUIRED	1.0	10	19	21960	15	312	80	407
12510AL	DIST MNFLD F/DRUM & CAN LOADG INSTL	785BPH,6-IN	AS REQUIRED	1.0	1	1	1792	7	65	15	87
12510AT	PPLN POL 1000 FT OF 4 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	3	5	2498	15	107	52	174
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	8.0	240	400	257664	348	3712	2552	6612
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	4.0	32	100	73772	58	493	145	696
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	3.0	3	3	4104	22	152	87	261
12640AA	TANK CAR LOADING, POL, FOR LOADING	5-TANK CARS	AS REQUIRED	1.0	35	61	53557	754	2320	5075	8149
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AG	TANK, POL, 3000 BARREL, W/6 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	100304	1044	3596	2436	7076
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	2.7	19	22	3791	188	869	877	1934
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					408	955	571227	2760	13870	12293	28923

TROPIC CLIMATE

POL TANK CAR LOADING STATION 10 STATIONS. PE1039
TEMP,TROP,DST & FRIGID CLIM. LOAD THIRTY 10 THOUSAND GALLON
RAILWAY TANK CARS PER DAY. PROVIDES TANKS,PPLNS,MANIFOLDS,
PUMPS,OPERATIONS BLDG TO HANDLE 4 PRODUCTS OR LESS. REQUIRES
42 ACRES. 185CY FINE AGGR. 290CY COARSE AGGR. ONLY HAND EXT
. INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AF	FLOOD PMP 1355BPH 8IN MANIFOLD	1355 BPH	AS REQUIRED	1.0	11	20	20627	29	406	116	551
12510AM	DIST MNFLD F/10STA-TNK CAR LDG INST	10STATION	AS REQUIRED	1.0	2	2	2464	7	65	15	87
12510AT	PPLN POL 1000 FT OF 4 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	3	5	2498	15	107	52	174
12510BB	PPLN POL 1 MILE OF 8 INCH GROOVE	1 MILE-8INCH	AS REQUIRED	8.0	288	696	302376	464	5220	3712	9396
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12510BK	PPLN POL 1M FT OF 8 IN API GROOVE	1000 FT	AS REQUIRED	.5	7	8	1750	7	145	102	254
12530AJ	LOADING PMP FOR 10TNK/CAR INSTL	2000-2500BPH	AS REQUIRED	4.0	56	164	111960	87	638	261	986
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	3.0	3	3	4104	22	152	87	261
12640AB	TANK CAR LOADING, POL, FOR LOADING	10-TANK CARS	AS REQUIRED	1.0	74	75	71174	986	3016	6612	10614
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	96352	1044	3596	2552	7192
16105OBF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	2.7	19	22	3791	188	869	877	1934
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					528	1339	668881	3158	16458	15360	34976

TROPIC CLIMATE

POL TANK CAR LOADING STATION,5 STATIONS. PE1029
TEMP,TROP,DST & FRIGID CLIM. LOAD FIFTEEN 10 THOUSAND GALLON RAILWAY TANK CARS PER DAY. PROVIDES TANKS,PPLNS,MANIFOLDS, PUMPS,OPERATIONS BLDG TO HANDLE 4 PRODUCTS OR LESS. REQUIRES 41 ACRES. 185CY FINE AGGR. 290CY COARSE AGGR. ONLY HAND EXT . INCLUDED W/INSTALLATION AS FIREFIGHTING EQUIP.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510AE	FLOOD PMP 785 BPH 6IN MANIFOLD	785 BPH	AS REQUIRED	1.0	10	19	21960	15	312	80	407
12510AL	DIST MNFLD F/DRUM & CAN LOADG INSTL	785BPH,6-IN	AS REQUIRED	1.0	1	1	1792	7	65	15	87
12510AT	PPLN POL 1000 FT OF 4 INCH GROOVE	1000FT-4IN	AS REQUIRED	1.0	3	5	2498	15	107	52	174
12510BA	PPLN POL 1 MILE OF 6 INCH GROOVE	1MILE-6INCH	AS REQUIRED	8.0	240	400	257664	348	3712	2552	6612
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	4.0	32	100	73772	58	493	145	696
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR	2-UNIT	AS REQUIRED	3.0	3	3	4104	22	152	87	261
12640AA	TANK CAR LOADING, POL, FOR LOADING	5-TANK CARS	AS REQUIRED	1.0	35	61	53557	754	2320	5075	8149
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE	250 BBL	AS REQUIRED	3.0	15	30	15606	109	435	196	740
41180AE	TANK POL 1000 BARREL W/4 IN PIPE	1000 BBL	AS REQUIRED	1.0	1	13	9258	116	464	189	769
41180AG	TANK, POL, 3000 BARREL, W/6 IN PIPE	3000 BBL	AS REQUIRED	8.0	16	256	100304	1044	3596	2436	7076
161050BF	HQTRS & UNIT SUPPLY&GO STL FR	20X40X8FT	AS REQUIRED	1.0	7	15	11731	46	663	247	956
87210AR	SECURITY FENCE TYPE Y 1000 FEET	1000 FEET	AS REQUIRED	2.7	19	22	3791	188	869	877	1934
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	AS REQUIRED	2.0	4	4	664	23	348	139	510
					408	955	571227	2760	13870	12293	28923

TROPIC CLIMATE

POL TANK CAR LOADING STATION. 2 STATIONS/4-UNIT. PE1059
TEMP/TROP/DST & FRIGID CLIM. PROVIDES TANK TRUCK LOADING FOR
2 STATION AT TANK FARM. THE EXISTING FUEL STORAGE TANKS OF
TANK FARM ARE CONNECTED TO THE LOADING STAND. LOADS 5000 GAL
. TRUCKS AT RATE OF 20 TRUCKS/DAY/PRODUCT. LINES FOR 4 PROD.
REAL EST. REQUIREMENT 4 ACRES. 6CY FINE AGGR. 12CY COARSE
AGGR. ONLY HAND EXT. INCLUDED W/INSTALLATION AS FIREFIGHTING

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
12510BJ	PPLN POL 1M FT OF 6 IN API GROOVE	1000 FT	AS REQUIRED	2.0	22	26	14526	15	334	203	552
12530AH	LOADING PMP FOR 2TNK/TRK/5CAR INSTL	700X1400 BPH	AS REQUIRED	4.0	32	100	73772	58	493	145	696
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR	4-UNIT	AS REQUIRED	2.0	2	2	2492	23	151	58	232
12630AA	LDG FACIL FOR TWO FUEL TRUCKS	2-STATION	AS REQUIRED	1.0	12	12	13862	218	471	1530	2219
					68	140	104652	314	1449	1936	3699

TROPIC CLIMATE

TEMPERATE CLIMATE,/TACTICAL/POL/50M BBL STOC COEC W/6IN SUBM PF1015
PPLN &6 BUOYANT HOSELINE FOR TKR DISCHARGE/TEM/TROP & DST
CLIM. DISCHARGE AND TRANSFER CAPACITY OF 600 GPM AND STOR.
OF 3 PROD OR LESS/MOGAS, JP-4 & DIESEL FUEL).
REQUIRES 160 ACRES.

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR. EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
12665AN	MARINE TERM 50M BBL STOR CAP	50000 BBL	AS REQUIRED	1.0	6	250	575092	3335	5365	2262	10962
85190AA	ROAD BEACH 2 LN PORT MAT SURF 1 MI		ACCESS ROAD	.4	197	120	49913		522	1108	1630
87190AB	CLEARING AND GRUBBING ONE ACRE		SITE PREP.	160.0				7888		8352	16240
87210AY	TRIPLE STANDARD CONCERTINA FENCE		SECURITY FENCE	20.0	20	60	76840		3074	15370	18444
					223	430	701845	11223	8961	27092	47276

TROPIC CLIMATE

FABRICATION PLANT,PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY AND STORAGE AREA.12.9 ACRES REQUIRED FOR REAL ESTATE. REQUIRED FROM LOCAL SOURCE,FINE AGGREGATE 2026 CY,COARSE AGGREGATE 2614 CY.POWER REQUIREMENT MUST BE DETERMINED AND APPROPRIATE AFCS FACILITY SELECTED. PY2892

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
22892AA	SAW HORSE,FOR PAN.WD.BLDG.FAB.WORK.		2 PER INST	2.0			58			6	6
22892AB	FABRICATION JIG WOOD FLOOR PANELS		2 PER INST	2.0	2	2	326		46		46
22892AC	FABRICATION JIG 6-8FT WALL PANELS		4 PER INST	4.0		4	576		81		81
22892AD	FABRICATION JIG 12FT WALL PANELS		2 PER INST	2.0	2	2	320		46		46
22892AE	FABRICATION JIG 24FT TRUSSES.		2 PER INST	2.0	2	4	748		104		104
22892AF	FABRICATION JIG 30FT TRUSSES.		2 PER INST	2.0	4	6	1082		116		116
22892AG	FABRICATION JIG 36FT TRUSSES.		2 PER INST	2.0	4	6	998		110		110
22892AH	FABRICATION JIG ROOF PANELS		2 PER INST	2.0	2	2	396		58		58
22892AJ	FABRICATION JIG BOX BEAMS		2 PER INST	2.0	2	2	652		35		35
72321BD	LAT PIT TYPE 160MAN 8 SEATS 10X20	10X20X8	PER.REQMT.	1.0	8	9	1559	3	290	46	339
84330AC	SUMP FIRE PROTECTION 10000 GAL	10000 GAL	EFF RAD 500FT	1.0	7	5	145	23	157	168	348
187190AA	SITE PREPARATION,ONE ACRE		BUILDINGS	2.5				319		116	435
87210AP	SECURITY FENCE TYPE X 1000 FEET	1000 FEET	PERIMETER	2.0	16	18	3312	133	737	742	1612
87210AT	VEH-MAN GATE FOR SECURITY FENCE	1	2PER INST	2.0	4	4	664	23	348	139	510
87230AA	SENTRY BOX 4X4		2 PER INST	2.0			244	276	1160	580	2016
93112AA	BLDG,PANELIZED WD 12X24X8FT C/F D/T		6PER INST	6.0	66	36	9846	122	1514	896	2532
93112LA	BLDG,PANELIZED WD 144X140X12FT D/T		1PER INST	1.0	739	2828	256776	550	8791	4862	14203
					858	2928	277702	1449	13593	7555	22597

TROPIC CLIMATE

PRE-PACKAGED CULVERT SECTIONS IN ASSORTED SIZES AND SANDBAGS FOR ROAD CONSTRUCTION AND REPAIR. YY1009

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
99999AA	PRE-PKGD DRAINAGE-FLD FORTS CULVERT		AS REQUIRED	1.0	5	13	4546				
99999AB	PRE-PACKAGED DRAINAGE SUPPLIES CULV		AS REQUIRED	1.0	5	12	4391				
99999AC	PRE-PACKAGED DRAINAGE SUPPLIES CULV		AS REQUIRED	1.0	4	14	3663				
99999AD	PRE-PACKAGED DRAINAGE SUPPLIES CULV		AS REQUIRED	1.0	4	16	3175				
99999AE	PRE-PACKAGED SANDBAGS MULTI-PURPOSE		AS REQUIRED	1.0	5	18	5963				
					23	73	21738				

TROPIC CLIMATE

CONTAINERIZED SUPPLIES FOR CONSTRUCTION OF FIELD FORTIFICATIONS. YY1019

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
99999AA	PRE-PKGD DRAINAGE-FLD FORTS CULVERT		AS REQUIRED	1.0	5	13	4546				
99999AE	PRE-PACKAGED SANDBAGS MULTI-PURPOSE		AS REQUIRED	1.0	5	18	5963				
99999AF	FIELD FORTS- BARBED-TAPE CONCERTINA		AS REQUIRED	1.0	2	16	12390				
99999AG	FLD FORTS-BARBED WIRE-POSTS-STL SEC		AS REQUIRED	1.0	8	15	5266				
99999AH	LUMBER 2 X 12 FLD FORTS & GEN CONST		AS REQUIRED	1.0	16	49	6324				
99999AJ	STRUCTURAL TIMBER 8IN X 10IN		AS REQUIRED	1.0	16	49	7824				
					52	160	42313				

TROPIC CLIMATE

PRE-PACKAGED CONSTRUCTION SUPPLIES (LUMBER, HARDWARE, ELECTRICAL AND PLUMBING FIXTURES, ETC) FOR GENERAL CONSTRUCTION AND RENOVATION. YY1029

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
99999AH	LUMBER 2 X 12 FLD FORTS & GEN CONST		AS REQUIRED	1.0	16	49	6324				
99999AJ	STRUCTURAL TIMBER 8IN X 10IN		AS REQUIRED	1.0	16	49	7824				
99999AK	PLYWOOD-LUMBER & CORR SHEET METAL		AS REQUIRED	1.0	21	59	12639				
99999AL	ASSORTED SIZES OF STRUCTURAL LUMBER		AS REQUIRED	1.0	16	49	5349				
99999AM	ASSORTED CONST SUPPLIES & HARDWARE		AS REQUIRED	1.0	11	20	12414				
99999AN	ASSORTED ELEC SUPPLIES & FIXTURES		AS REQUIRED	1.0	9	38	52212				
99999AP	ASSORTED PLUMBING SUPPLIES/FIXTURES		AS REQUIRED	1.0	2	12	3755				
					91	276	100517				

TROPIC CLIMATE

PRE-PACKAGED MULTI-PURPOSE RIGGING KIT W/ASSORTED SIZES OF FIBER ROPE - WIRE ROPE - CHAIN AND RELATED ACCESSORIES. YY1039

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
99999AR	PRE-PACK MULTI-PURPOSE RIGGING KIT		AS REQUIRED	1.0	7	14	13090				
					7	14	13090				

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TROPIC CLIMATE

PRE-PACKAGED MARKING & CAMOUFLAGE KIT W/MARKING & CAMOUFLAGE PAINT AND CAMOUFLAGE NETS-WOODLAND RADAR SCATTERING. YY1049

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
99999AT	MARKING PAINT & CAMOUF PAINT & NETS		AS REQUIRED	1.0	5	19	21159				
					5	19	21159				

TROPIC CLIMATE

PRE-PACKAGED MARKING & CAMOUFLAGE KIT W/MARKING & CAMOUFLAGE PAINT AND CAMOUFLAGE NETS-DESERT RADAR SCATTERING. YY1059

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	VERT	GENL	TOT
99999AV	MARKING PAINT & CAMOUF PAINT & NETS		AS REQUIRED	1.0	4	15	8160				
					4	15	8160				

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TROPIC CLIMATE

PRE-PACKAGED HAND TOOL KIT FOR USE BY INDIGENOUS LABOR. YY1069

FAC NUMBER	FACILITY DESCRIPTION	SIZE OR UNIT	BASIS	QUANTITY REQUIRED	MATERIALS WT-ST	MATERIALS VOL-MT	MATERIALS COST	CONSTR EFFORT IN MANHOURS HORZ	CONSTR EFFORT IN MANHOURS VERT	CONSTR EFFORT IN MANHOURS GENL	CONSTR EFFORT IN MANHOURS TOT
99999AU	PRE-PACK INDIGENOUS LABOR TOOL KIT		AS REQUIRED	1.0			373				
							373				

END REPORT DDEXER2

CHAPTER 10
LISTING OF FACILITIES--TROPICAL

10-1. Index of Facilities (Tropical)

Description	*Category No.*
Access Apron, Hangar	11340
Administration	61025
Air Conditioning	82610
Aircraft Defueling/Decontamination Apron	11371
Aircraft Loading Apron	11380
Air Washing Apron	11370
Airfield Surfacing	11150
Ammunitions Storage	42183
Approach Trestle (Ports)	86090
Approach Zone (Airfields)	11110
Athletic Court	75013
Barbed Concertina Obstacle	87210
Barracks	72111
Bath House	72332
Boiler Plants	82150
Booster Station, POL	12530
Bridges, Railroad, (Superstructure and Substructure)	86030
Bridges, Road (Superstructure and Substructure)	85120
Buildings, Panelized	93112
Buildings, Pre-engineered Metal	93101
Buildings, Wood	93111
Camouflage	14991
Carpentry Shop	22990
Carrier & Repeater Station	13190
Casualty Receiving (See Hospitals)	51010
Cell Blocks	73015
Cesspools	83190
Chapels	74018
Chlorination	83110
Classroom, Training, Outdoor	17120
Clear Zone (Airfields)	11110
Clearing and Grading	87190
Communications	21430
Compass Swing Base, Heliport	11610
Confinement	73015
Control Tower, Aircraft	13315
Craft Shop	74022
Day Room	74069
Demolition	93310
Dental (See Hospitals)	53020
Dispensary (See Hospitals)	55010
Drainage Structures	85210
Dry Cargo Storage (See Supply)	44110
Education	74025
Electrical Kits	81231
Electric Power Generation and Distribution	81110
Engine House, Railroad	21860
Equipment for Combat Tasks	99999
Erdlator Building	84110

Description	*Category No.*
Exchanges	74040
Fabrication Jigs, Panelized Buildings	22892
Fencing	87210
Field Fortification	14910
Film Exchange	74040
Finance	61027
Firefighting System	84340
Firehouse	14111
Floodlighting	81230
Fueling System, Rear Area (Aircraft)	12110
Generating Plant	81110
General Purpose Buildings	93101
Guardhouse	73015
Guard Tower	87220
Hangars, Aircraft	21110
Hardstands	85110
Headquarters	61050
Heliports	11120
Hospitals	51010
Housing (Also Listed Under Buildings)	72111
Hydrant Refueling System, Air Transportable	12110
Ice Plants	89050
Jetty, POL	16440
Kitchens	72210
Laboratory, POL	31090
Lagoon, Sewage	83120
Landing Ramp	14970
Latrines	72321
Laundries	73030
Library	74041
Lubrication Racks	21411
Magazine	42283
Maintenance	21110
Marine Railway	21320
Marine Terminal, Tactical	12665
Medical (See Hospitals)	51010
Mess Halls (See Kitchens)	72210
Minefields	14990
Motion Picture Laboratory	22890
Operations Building, Airfield	14110
Panelized Wood Building	93112
Parking Pad, Helicopter	11320
PECS (Containerized Kits)	99999
Petroleum, Oil and Lubricants (POL)	12474
Pharmacy (See Hospitals)	51010
Piers	15150
Pipelines	12510
Platform, Unloading	86090
Ports	15250
Portable Buildings	72111
Postal	74059
Pre-engineered Metal Buildings	93101
Pump Station, POL	12530
Quarters	72410

Description	*Category No.*
Railroads	21840
Railway, Marine	21320
Recreational	74069
Refueling Pad	12110
Refrigeration	43190
Relay Station, Communication	13190
Repair Shops (See Maintenance and Shops)	21330
Revetment	14910
Roads, Paved or Graded	85130
Runway (C-130 Aircraft)	11110
Sanitary (See Latrines and Sewage Treatment)	72321
Security (See Cell Blocks and Fencing)	73015
Septic Tanks	83120
Service Club	74068
Sewage Treatment	83110
Shelter	14931
Signal (See Communications)	13120
Site Preparations (See Clearing and Grading)	87190
Shop, Automotive	21410
Shop Buildings (See Buildings)	21330
Shop, Carpentry	22990
Shop, Craft	74022
Shop, Maintenance, Wood and Steel	22990
Shop, Marine Repair	21330
Shop, Motor Repair	21410
Shop, Ordnance, Artillery & Fire Control	21430
Shop, Railroad Machine	21840
Shop, Railroad Car Repair	21840
Shop, Signal Maintenance	21720
Shop, Vehicle Maintenance	21410
Snack Bar	74062
Special Purpose Apron	11382
Special Services Building	74069
Standard Details	99980
Storage (See Supply)	42183
Storehouse	44110
Submarine Pipeline (See Petroleum, Oil and Lubricants)	12590
Substations	81320
Sump, Fire Protection	84330
Supply	44110
Surgery (See Hospitals)	51010
Tank Car & Truck Loading & Unloading (See POL)	12640
Tanks, POL	12640
Tanker Mooring	12471
Taxiway, On-Off (C-130 Aircraft)	16390
Telephone (See Communications	11110
Tentage	13180
Tent Frames	72520
Theaters	74067
Transformers	81260
Training Facilities	17220.
Utility Building	51010
Ventilation	82610
Walkway	51010

Description	*Category No.*
Wards (See Hospitals)	51010
Warehouse Buildings (See Buildings)	44110
Warm-up Apron	11350
Wash Rack, Vehicle	21410
Water Distribution	84210
Water Supply & Treatment	84210
Water Tank	83120
Wharf (See Ports)	15250
X-Ray (See Hospitals)	53020

10-2. Listing of Facilities (Tropical)

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
11130AA	HELIPORT,C47 SLINGOUT AREA FOR AMMO STORAGE INSTALLATIONS. INCLUDES PARKING PAD AND APPROACH-DEPARTURE ZONE REQUIREMENTS	11	7	6,894	1,507		703	2,210
11150AA	AIRFIELD SURFACING, M8A1 NON-PIERCED STEEL MAT, 1000 SQ YDS	34	21	8,584	3		84	87
11150AB	AIRFIELD RUNWAY SURFACING, T17 NEOPRENE-COATED NYLON MEMBRANE 1000 SQ YD	3	6	6,275	7		36	43
11150AC	AIRFIELD SURFACING, FIBERGLASS REINFORCED PLASTIC MATTING, 1000 SQ YD	8	4	43,024	7		32	39
11150AD	AIRFIELD SURFACING, XM18 ALUMINUM MAT, 125,000 SQ FT	5	7	493,923	32		284	316
11150AE	AIRFIELD SURFACING, XM19 ALUMINUM MAT, 125,000SQ FT	3	250	727,650	46		473	519
11150AF	RAPID RUNWAY REPAIR USING AM-2 MATTING (3 CRATERS)	319	226	38,477	131	17	209	357
11150AG	BOMB DAMAGE REPAIR TO USAF RUNWAYS,TAXIWAYS,AND APRONS (THREE CRATERS),1260 SQ YDS	424	282	57,965	110	17	133	260
11150AH	BOMB DAMAGE REPAIR OF USAF RUNWAYS,TAXIWAYS,AND APRONS USING REGULATED SET CEMENT 1434 SQ YDS	462	304	9,500	97	35	87	219
12110AD	AIR TRANSPORTABLE HYDRANT REFUELING SYSTEM. 100000 GAL FUEL STORAGE CAPACITY. 600 GPM PRESSURE CONTROLLED PUMPING CAP.	3	9	61,401	261	181	58	500
12110AE	FORWARD AREA REFUELING EQUIPMENT SYSTEM (FARE) W/TANKAGE 1000 GAL STORAGE CAPACITY	1	3	12,037		35	23	58
12110AF	FORWARD AREA REFUELING EQUIPMENT SYSTEM (FARE) W/TANKAGE 5000 GAL STORAGE CAPACITY		3	13,533		35	35	70
12110AG	FORWARD AREA REFUELING EQUIPMENT SYSTEM (FARE) W/TANKAGE 10000 GAL STORAGE CAPACITY	1	4	14,473		38	52	90
12110AH	SUPPORT AREA REFUELING SYSTEM 30000 GAL STORAGE CAPACITY FOR ROTARY AND FIXED WING AIRCRAFT	8	20	65,526	220	168	464	852

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12110AJ	CONSIST OF 1-50,000 GAL COLLAPSIBLE STORAGE TANK CONNECTING HOSE AND FITTING,CONCERTINA FENCING AND THE NECESSARY SITE WORK.THE STORAGE CAPACITY OF THE SYSTEM CAN BE INCREASED IN INCREMENTS OF 50,000 GAL BY ADDING THE REQUIRED NUMBER OF THIS FACILITY TO THE SYSTEM	5	5	16,865	93	81	186	360
12110AK	REAR AREA FUELING SYSTEM, 300,000 GAL STORAGE CAPACITY,FOR ROTARY AND FIXED WING AIRCRAFT	15	45	156,850	313	238	557	1,108
12110AL	SUPPORT AREA REFUELING SYSTEM, 30,000 GAL STORAGE CAPACITY, FOR ROTARY AND FIXED WING AIRCRAFT W/FLIGHT LINE MANIFOLD 12 POINTS	7	16	55,264	232	203	510	945
12110AM	REAR AREA FUELING SYSTEM,300,000 GAL STORAGE CAPACITY,FOR ROTARY AND FIXED WING AIRCRAFT W/FLIGHT LINE MANIFOLD,24 POINTS	19	54	194,480	131	682	377	1,190
12110AN	SUPPORT AREA REFUELING SYSTEM W/STANDARD MILITARY APPURTENANCES,50,000 GAL STORAGE CAPACITY,FOR ROTARY AND FIXED WING AIRCRAFT,W/FLIGHT LINE MANIFOLD,12 POINTS	6	11	17,085	87			87
12471AA	TANKS, COLLAPSIBLE W/EQUIPMENT, POL, 50000 GAL TOTAL CAPACITY FIVE 10000 GAL TANKS W/ONE CENTRIFUGAL PUMP & FITTINGS	7	22	49,987	15	80	22	117
12471AB	TANKS, COLLAPSIBLE W/EQUIPMENT, POL, 100000 GAL TOTAL CAPACITY TEN 10000 GAL TANKS W/ONE CENTRIFUGAL PUMP & FITTINGS	10	32	77,552	36	102	36	174
12471AC	TANKS,COLLAPSIBLE W/EQUIPMENT,POL,40000 GALLON TOTAL CAPACITY - FOUR 10,000 GAL TANKS W/CENTRIFUGAL PUMP,POL MANIFOLD, TWO PORTABLE TRUCK FILL STANDS AND FITTINGS	5	13	22,547	7	73	36	116
12490AA	SEPARATOR FILTER. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	1	7	3,257	7	29	10	46

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12502AA	PUMP,CENTRIFUGAL,1050 GPM,850FT HD,W/8IN MANIFOLD 1-TWO STAGE PUMP W/FLEXIBLE HOSE,PIPE TRANSITION PIECES,W/VALVES, SKID MOUNTED	9	26	27,348	93	220	70	383
12503AA	SWITCHING MANIFOLD,POL FOR PUMP STATION&TANK FARM,10IN BOTTOM PIPE, 8IN TOP PIPE W/3-WAY BALL VALVES FOR PUMP OR P/L CONNECTION,W/FLEXIBLE HOSE AND PIPE TRANSITION PIECES, SKID MOUNTED	8	31	63,135	93	220	70	383
12504AA	METER,TURBINE,1050 GPM,10IN PIPE,W/FLEXIBLE HOSE AND PIPE TRANSITION PIECES,SKID MOUNTED	8	14	2,551	93	220	70	383
12505AA	FILTER COALESCER,1050 GPM,300PSI W/10IN PIPE,MANIFOLDING& VALVE,W/FLEXIBLE HOSE&PIPE TRANSITION PIECES,SKID MTD	9	32	75,000	93	220	70	383
12506AA	PIPELINE BARREL CLEANER TRAP W/3 6IN GATE & 2 4IN GATE VALVES W/6IN SPOOL PIECES.	4	4	6,995	26	155	65	246
12506AB	PIPELINE BARREL CLEANER TRAP W/3 8IN GATE & 2 4IN GATE VALVES W/8IN SPOOL PIECES.	5	4	6,737	26	155	65	246
12506AC	PIPELINE BARREL CLEANER TRAP W/3 10IN GATE&2 4IN GATE VALVE S W/10IN SPOOL PIECES	7	13	8,851	26	155	65	246
12510AA	SWITCHING MANIFOLD, POL, FOR TANK FARM, 4 IN PIPE & FITTINGS, W/O PUMP	4	4	11,268	15	232	58	305
12510AB	SWITCHING MANIFOLD, POL, FOR TANK FARM, 6 IN PIPE & FITTINGS, W/O PUMP	9	9	15,541	15	218	73	306
12510AC	SWITCHING MANIFOLD, POL, FOR TANK FARM, 8 IN PIPE & FITTINGS, W/O PUMP	16	16	19,680	15	261	87	363
12510AD	SWITCHING MANIFOLD, POL, FOR TANK FARM, 12 IN PIPE & FITTINGS, W/O PUMP	26	23	97,212	44	348	116	508
12510AE	FLOOD PUMP, POL, 785 GPM, W/6 IN MANIFOLD, 2-SINGLE STAGE PUMPS	10	19	21,960	15	312	80	407

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12510AF	FLOOD PUMP, POL, 1355 BPH, W/8-INCH MANIFOLD, 2-SINGLE STAGE PUMPS.	11	20	20,627	29	406	116	551
12510AG	FLOOD PUMP, POL, 1355 BPH, W/12-INCH MANIFOLD, 2 SINGLE STAGE PUMPS,	14	21	50,497	29	522	145	696
12510AH	TANK PUMP, POL, 700 BPH, W/6 IN MANIFOLD, 1-SINGLE STAGE PUMP	4	8	7,742	7	51	15	73
12510AJ	TANK PUMP, POL, 1400 BPH, W/8 IN MANIFOLD, 1-SINGLE STAGE PUMP	4	9	7,937	7	51	15	73
12510AK	TANK PUMP, POL, 2800 BPH, W/12 IN MANIFOLD, 1-TWO STAGE PUMP	7	14	16,254	7	58	22	87
12510AL	DISTRIBUTION MANIFOLD, POL, 735 BPH, 6 IN PIPE, FOR DRUM & CAN LOADING INSTALLATION	1	1	1,792	7	65	15	87
12510AM	DISTRIBUTION MANIFOLD, POL, 8-INCH PIPE FOR 10 STATION TANK CAR LOADING INSTALLATION.	2	2	2,464	7	65	15	87
12510AN	TRANSFER PUMP, POL, 700 BPH, W/6 IN MANIFOLD, 1-SINGLE STAGE PUMP	11	15	18,715	44	334	73	451
12510AP	TRANSFER PUMP, POL, 1400 BPH, W/8 IN MANIFOLD, 1-SINGLE STAGE PUMP	12	16	16,109	51	355	73	479
12510AR	TRANSFER PUMP, POL, 2800 BPH, W/12 IN MANIFOLD, 1-TWO STAG E PUMP	18	21	78,664	65	500	102	667
12510AT	PIPELINE, POL, 1000 FT OF 4 IN GROOVED LT WT TUBING, W/COUPLINGS, W/O VALVES	3	5	2,498	15	107	52	174
12510AU	PIPELINE, POL, 1000FT OF 6 IN GROOVED LT WT TUBING, W/COUPLINGS, W/O VALVES	6	11	5,196	15	109	65	189
12510AV	PIPELINE, POL, 1000 FT OF 8 IN GROOVED LT WT TUBING, W/COUPLINGS, W/O VALVES	6	15	9,258	15	160	87	262

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12510AW	PIPELINE, POL, 1000 FT OF 12 IN GROOVED LT WT TUBING, W/COUPLINGS, W/O VALVES	9	32	4,440	22	283	102	407
12510AY	PIPELINE, POL, 1 MILE OF 4 IN GROOVED LT WT TUBING, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	13	23	11,886	29	290	232	551
12510BA	PIPELINE, POL, 1 MILE OF 6 IN GROOVED LT WT TUBING, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	30	50	32,208	44	464	319	827
12510BB	PIPELINE, POL, 1 MILE OF 8 IN GROOVED LT WT TUBING, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	36	87	37,797	58	653	464	1,175
12510BC	PIPELINE, POL, 1 MILE OF 12 IN GROOVED LT WT TUBING, W/COUPLINGS, W/2 GATE & 2 CHECK VALVE	45	177	23,979	58	1,378	609	2,045
12510BD	PIPELINE, POL, 5 MILES OF 4 IN GROOVED LT WT TUBING, W/COUPLINGS 500 FT API BEVELED PIPE, 5 GATE & 1 CHECK VALV E	61	110	61,704	73	1,595	1,044	2,712
12510BE	PIPELINE, POL, 5 MILES OF 6 IN GROOVED LT WT TUBING, W/COUPLINGS 500 FT API BEVELED PIPE, 5 GATE & 1 CHECK VALV E	147	239	158,942	73	2,103	1,595	3,771
12510BF	PIPELINE, POL, 5 MILES OF 8 IN GROOVED LT WT TUBING, W/COUPLINGS 500 FT API BEVELED PIPE, 5 GATE & 1 CHECK VALV E	182	432	198,542	73	2,248	1,537	3,858
12510BG	PIPELINE, POL, 5-MILES OF 12-INCH GROOVED LT WT TUBING W/COUPLINGS, 500 FT API BEV PIPE, 5 GATE & 1-CHECK VALVE.	225	893	205,741	87	3,190	2,074	5,351
12510BH	PIPELINE, POL, 1000 FT OF 4 IN GROOVED API PIPE, W/COUPLINGS, W/O VALVES	7	5	5,986	7	131	80	218
12510BJ	PIPELINE, POL, 1000 FT OF 6-INCH GROOVED API PIPE, W/COUPLINGS, W/O VALVES.	11	13	7,263	7	167	102	276
12510BK	PIPELINE, POL, 1000 FT OF 8 IN GROOVED API PIPE, W/COUPLINGS, W/O VALVES	13	16	3,500	15	290	203	508
12510BL	PIPELINE, POL, 1000 FT OF 12 IN GROOVED API PIPE, W/COUPLINGS, W/O VALVES	4	4	11,115	15	334	232	581

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12510BM	PIPELINE, POL, 1 MILE OF 4 IN GROOVED API PIPE, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	34	23	32,158	44	609	406	1,059
12510BN	PIPELINE, POL, 1-MILE OF 6-INCH GROOVED API PIPE, W/COUPLINGS, W/2 GATE VALVES & 1 CHECK VALVE.	59	63	44,600	58	754	421	1,233
12510BP	PIPELINE, POL, 1 MILE OF 8 IN GROOVED API PIPE, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	71	81	19,207	116	1,073	508	1,697
12510BR	PIPELINE, POL, 1 MILE OF 12 IN GROOVED API PIPE, W/COUPLINGS, W/2 GATE & 1 CHECK VALVE	15	15	62,125	174	1,552	725	2,451
12510BT	PIPELINE, POL, 1000 FT OF 4-INCH API PIPE, BEVELED ENDS FO R WELDING W/150 LBS OF WELDING ROD.	5	4	16,748	29	276	102	407
12510BU	PIPELINE, POL, 1000 FT OF 6-INCH API PIPE, BEVELED ENDS FO R WELDING W/150 LBS OF WELDING ROD.	11	10	10,144	36	413	116	565
12510BV	PIPELINE, POL, 1000 FT OF 8-INCH API PIPE, BEVELED ENDS FO R WELDING W/150 LBS OF WELDING ROD.	16	16	23,774	51	435	123	609
12510BW	PIPELINE, POL, 1000 FT OF 12-INCH API PIPE, BEVELED ENDS FOR WELDING W/200 LBS OF WELDING ROD.	23	30	188,573	116	493	160	769
12510BY	PIPELINE,1000FT 10IN GROOVED STEEL TUBING, W/COUPLINGS, W/O VALVES	10	35	9,739	19	225	94	338
12510CA	PIPELINE,1MILE,10IN GROOVED STEEL TUBING,W/COUPLINGS, W/2 GATE&1 CHK VALVE	51	193	52,569	58	290	537	885
12510CB	PIPELINE,5MILES,10IN GROOVED STEEL TUBING W/COUPLINGS,500FT API BEVELED PIPE,5 GATE&1 CHK	264	997	268,669	80	2,755	1,805	4,640
12510CC	PIPELINE,1000FT,10IN GROOVED STEEL API PIPE, W/COUPLINGS, W/2 GATE&1 CHK	18	31	5,752	15	312	218	545
12510CD	PIPELINE,1MILE,10IN GROOVED STEEL API PIPE, W/COUPLINGS W/O VALVES	98	175	30,232	145	1,312	616	2,073

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12510CE	PIPELINE,1000 FEET OF 10 INCH API PIPE WITH BEVELED ENDS FOR WELDING WITH 200 LBS OF WELDING RODS.	20	19	11,883	83	464	142	689
12510CF	PIPELINE,1000FT,10IN GROOVED ALUMINUM SCH 40,W/COUPLING W/O VALVES	10	23	21,160	15	312	218	545
12510CG	PIPELINE,1 MILE OF 10 INCH ALLUMINUM PIPE.GROOVED PIPE AND CLAMPS WITH VALVES.	49	124	119,241	145	1,312	616	2,073
12510CH	PIPELINE,5MILES,10IN GROOVED ALUMINUM SCH 40,W/COUPLINGS W/5 GATE&1 CHK VALVE	241	615	593,182	73	1,595	2,030	3,698
12510CJ	PIPELINE,5MILES,10IN ZAPLOC ALUM SCH 40 W/JOINING PRESS, GROOVER,MANDRELS,POWER UNIT,ADHESIVE,W/5GATE&1 CHK VALVE	199	526	521,116	80	3,045	2,030	5,155
12510CK	PIPELINE,POL,5 MILES,10IN ZAPLOC STEEL TUBING W/JOINING PRESS,GROOVER,MANDRELS,POWER UNIT,ADHESIVE,W/5 GATE&1 CHK VALVE	549	526	251,836	87	3,190	2,074	5,351
12510CL	PIPELINE,POL,5 MILES,10IN ZAPLOC STEEL SCH 20 PIPE W/JOININ G PRESS,GROOVER,MANDRELS,POWER UNIT,ADHESIVE,W/5 GATE&1 CHK VALVE	38	37	21,905	94	3,335	2,175	5,604
12510CT	PIPELINE,10IN STEEL WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 750FT CROSSING	120	109	74,633	2,016	2,335	1,740	6,091
12510CU	PIPELINE,10IN STEEL WELDED,RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1000FT CROSSING	156	143	96,409	2,600	3,015	2,030	7,645
12510CV	PIPELINE,10IN STEEL WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1250FT CROSSING	192	176	118,188	3,067	3,586	2,320	8,973
12510CW	PIPELINE,10IN STEEL WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1500FT CROSSING	232	210	142,727	3,321	3,966	2,610	9,897
12520AA	BOMB DAMAGE REPAIR OF POL PIPELINE,8 IN,200 FT	2	4	1,601	29	70	70	169

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12520AB	BOMB DAMAGE REPAIR OF POL PIPELINE,6 IN,200 FT	1	2	1,213	26	54	44	124
12520AC	BOMB DAMAGE REPAIR OF POL PIPELINE,4 IN,200 FT	1	1	581	25	54	44	123
12530AA	SUPPLEMENTARY FITTINGS AND VALVES FOR REVERSING PUMPING FROM COLLAPSIBLE STORAGE TANK FARM (100,000, 50,000 OR 40,000 GAL)	1	1	3,003		232	36	268
12530AB	REVERSING MANIFOLD FOR BOOSTER PUMP STATION, POL, FOR LOADING, SHORE TO SHIP, 6 INCH PIPELINE	4	5	3,903		210	36	246
12530AC	REVERSING MANIFOLD FOR BOOSTER PUMP STATION, POL, FOR LOADING, SHORE TO SHIP, 8-INCH PIPELINE MANIFOLD, TWO PORTABLE TRUCK FILL STANDS AND FITTINGS	13	28	48,614	15	276	44	335
12530AD	REVERSING MANIFOLD FOR BOOSTER PUMP STATION, POL, FOR LOADING, SHORE TO SHIP, 12-INCH PIPELINE.	5	4	8,824	29	421	58	508
12530AE	BOOSTER STATION, POL, 1400 BPH, W/2-TWO STAGE PUMPS, MANIFOLD FOR STAGES IN SERIES, PUMPS IN SERIES	13	28	27,151	58	138	51	247
12530AF	BOOSTER STATION, POL, 2800 BPH, W/2-TWO STAGE PUMPS, MANIFOLD FOR STAGES IN PARALLEL, PUMPS IN SERIES	14	29	27,070	58	138	51	247
12530AG	BOOSTER STATION, POL, 7000 BPH, W/4-TWO STAGE PUMPS, MANIFOLD FOR STAGES IN PARALLEL, PUMPS IN PARALLEL	27	56	54,109	58	406	116	580
12530AH	LOADING PUMP & MANIFOLD, POL, 700 TO 1400 BPH, 6 IN PIPE, FOR 2 TANK TRUCK, 5 TANK CAR OR DRUM & CAN LOADING INSTALLATIONS, W/1 SINGLE STAGE PUMP	8	25	18,443	15	123	36	174
12530AJ	LOADING PUMP & MANIFOLD, POL, 2000 TO 2500 BPH, 8IN PIPE INCOMING, 6IN PIPE OUTGOING, FOR 10 TANK CAR INSTALLATION, W/1 TWO STAGE PUMP	14	41	27,990	22	160	65	247
12530AK	PUMP STATION FUEL SUPPLY, POL, FOR ALL 2 PUMP FACILITIES, W/O TANK OR PUMP	1	1	1,368	7	51	29	87

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12530AL	PUMP STATION FUEL SUPPLY, POL, FOR ALL 4 PUMP FACILITIES, W/O TANK OR PUMP	1	1	1,246	12	75	29	116
12530AM	PUMP STATION, POL, FOR 4-INCH PIPELINE, 2 PUMPS W/MANIFOLDING VALVES AND SANDTRAP.	5	86	80,584	51	145	51	247
12530AN	PUMP STATION, POL, FOR 6 IN PIPELINE, 4-PUMPS W/MANIFOLDING, VALVES, SANDTRAP, & PIPECLEANER STATIONS	9	171	155,992	51	312	131	494
12530AP	PUMP STATION, POL, FOR 8 IN PIPELINE, 4-PUMPS W/MANIFOLDING, VALVES, SANDTRAP, & PIPECLEANER STATIONS	32	63	62,452	58	348	160	566
12530AR	PUMP STATION, POL, FOR 6 INCH COUPLED PIPELINE, ONE DIESEL ENGINE DRIVEN PUMP RATED AT 857 BHP AT 1630 FEET TOTAL HEAD W/MANIFOLDING, VALVES, STRAINERS, AND PIPE CLEANER STATIONS	9	48	41,366	264	1,276	464	2,004
12530AT	PUMP STATION, POL, FOR 6 INCH COUPLED PIPELINE, TWO DIESEL ENGINE DRIVEN PUMPS EACH RATED AT 857 BHP AT 1630 FEET HEAD W/MANIFOLDING, VALVES, STRAINERS, AND PIPE CLEANER STATIONS	14	92	76,277	296	1,511	557	2,364
12530AU	METAL CLADDING&INTERIOR LINER FOR 40X60X12FT STEEL FRAME BLDG HOUSING TW0 DED PUMPS RATED AT 785BPH W/HEATING	15	49	11,932	58	522	232	812
12530AV	4IN COLLAPSIBLE ASSULT HOSELINE SYSTEM,2.5 MILES W/GED PORT ABLE PUMP,320BPH AT 250FT HD,COMPLETE W/EVAC.AND DISP.FLOW CONTROL PACKAGE& RPR KITS,ANCILLRY FTGS&VALVES	5	26	42,918	17	61		78
12585AC	POL OPERATIONS-LABORATORY FACILITY 1536 SQ FT WOOD FRAME BUILDING 48 FT X 32 FT ONE STORY CONCRETE FLOOR 13 FT 9 IN HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	115	143	23,318	141	1,649	348	2,138
12585AD	INTERIOR FOR POL OPERATIONS-LABORATORY FACILITY 1536 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	11	25	12,002		174	102	276
12585AJ	POL OPERATIONS-LABORATORY FACILITY 1600 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 40 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	77	144	35,565	220	1,656	976	2,852

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12585AK	INTERIOR FOR POL OPERATIONS-LABORATORY FACILITY 1600 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	11	23	11,691		174	102	276
12585AP	POL OPERATIONS-LABORATORY FACILITY 1440 SQ FT PANELIZED WOOD BUILDING 36 FT X 40 FT ONE STORY CONCRETE FLOOR 12 FT HIGH WOOD PANEL CLADDING AND WOOD PANEL ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	201	714	65,028	99	655	254	1,008
12590AA	TACTICAL FIBERGLASS SUBMARINE PIPELINE,8"DIA,80'DEPTH,1MI.	131	425	261,774	1,275	2,842	1,450	5,567
12590AB	TACTICAL FIBERGLASS SUBMARINE PIPELINE,8"D., 120'DEPTH,1MI.	127	402	241,787	1,275	2,854	1,450	5,579
12590AC	PIPELINE, SUBMARINE, POL, 25 FEET DEPTH, 6-INCH, 1000 FT MAXIMUM (ADJUST TO SITE REQUIREMENTS) LENGTH, API PIPE, CONC. WEIGHTS, 75 FOOT HEAVY HOSE, AND BUOY FOR UNLOADING SMALL VESSELS(11,500 BBLS) AND BARGES (4160 BBLS) IN SHALLOW DEPTH WATER.	27	35	32,473	1,276	1,378	174	2,828
12590AD	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 6-INCH 2750 FT (ADJUST TO SITE REQUIREMENTS) LENGTH, API PIPE, CONC WGTS, 150 FT HVY HOSE AND 2 BUOYS.	56	58	49,611	1,958	2,900	261	5,119
12590AE	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 6-INCH 2750 FT (ADJUST TO SITE REQUIREMENTS) LENGTH, API PIPE, CONC WGTS, 225 FT HVY HOSE AND 2 BUOYS.	58	61	53,849	1,958	2,900	261	5,119
12590AF	PIPELINE, SUBMARINE, POL, 120 FT DEPTH, 6-INCH (ADJUST TO SITE REQUIREMENTS) LENGTH, API PIPE, CONC WGTS, 300 FT HVY HOSE AND TWO BOUYS.2750FT.OF PIPE PROVIDED.	59	63	58,096	1,958	2,900	261	5,119
12590AG	PIPELINE, SUBMARINE, POL, 60 FT DEPTH, 8-INCH, 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE, HEAVY WALL, CONC WGTS, 150 FT HVY HOSE AND 2 BUOYS.	55	62	29,480	2,001	2,987	261	5,249
12590AH	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 8-INCH 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE, HEAVY WALL, CONC WGTS, 225 FT HVY HOSE AND 2 BUOYS.	57	67	33,863	2,001	2,987	261	5,249

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12590AJ	PIPELINE, SUBMARINE, POL, 120-FT DEPTH, 8-INCH, 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE, HEAVY WALL, CONC WGTS, 300 FT HVY HOSE AND 2 BUOYS.	59	72	38,416	2,001	2,987	261	5,249
12590AK	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 12-INCH, 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE, CONC WGTS, 150 FT HVY HOSE AND 2 BUOYS.	123	142	548,654	2,610	3,161	290	6,061
12590AL	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 12-INCH, 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE, CONC WGTS, 225 FT HVY HOSE AND 2 BUOYS.	126	148	553,092	2,610	3,161	290	6,061
12590AM	PIPELINE, SUBMARINE, POL, 120 FT DEPTH, 12-INCH, 2750 FT (ADJUST TO SITE CONDITIONS) LGTH, API PIPE CONC WGTS 300 F T HVY HOSE AND 2 BUOYS.	128	153	557,530	2,610	3,161	290	6,061
12590AN	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 8-IN, 5300 FT. LENGTH, API PIPE, HEAVY WALL, 200 FT HVY HOSE AND 2 BUOYS.	98	91	104,114	2,465	2,755	1,160	6,380
12590AP	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 8-IN, 5300 FT. LGTH, API PIPE, HEAVY WALL, 275 FT. HVY HOSE AND 2 BUOYS.	100	96	109,162	2,755	3,190	1,305	7,250
12590AR	PIPELINE, SUBMARINE, POL, 120-FT. DEPTH, 8-IN, 5300 FT. LGTH, API PIPE, HEAVY WALL, 350 FT. HVY HOSE AND 2 BUOYS.	102	101	113,389	3,335	3,770	1,305	8,410
12590AT	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 12-IN, 5300 FT LGTH , CONCRETE COATED API PIPE, 200 FT HVY HOSE AND 2 BUOYS.	275	322	96,144	2,610	3,234	1,189	7,033
12590AU	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 12-IN, 5300 FT LGTH , CONCRETE COATED API PIPE, 275 FT HVY HOSE AND 2 BUOYS.	278	327	101,106	2,900	3,770	1,233	7,903
12590AV	PIPELINE, SUBMARINE, POL, 120-FT DEPTH, 12-IN, 5300 FT LGT H CONCRETE COATED API PIPE, 350 FT HVY HOSE AND 2 BUOYS.	280	333	105,244	3,553	4,205	1,305	9,063
12590AW	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 16-IN. 5300 FT LGTH , CONCRETE COATED API PIPE, 200 FT HVY HOSE AND 2 BUOYS.	433	469	99,236	3,625	4,205	1,740	9,570

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12590AY	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 16-IN, 5300 FT LGTH, CONCRETE COATED API PIPE, 275 FT HVY HOSE AND 2 BUOYS.	436	474	104,198	3,988	4,568	1,885	10,441
12590BA	PIPELINE, SUBMARINE, POL, 120-FT DEPTH, 16-IN, 5300 FT LGTH, CONCRETE COATED API PIPE, 350 FT HVY HOSE AND 2 BUOY S	439	480	108,581	4,495	5,075	2,030	11,600
12590BB	PIPELINE, SUBMARINE, POL, 60-FT DEPTH, 20-IN, 5300 FT LGTH, CONCRETE COATED API PIPE, 200 FT HVY HOSE AND 2 BUOYS.	549	643	97,020	4,205	4,821	2,320	11,346
12590BC	PIPELINE, SUBMARINE, POL, 90-FT DEPTH, 20-IN, 5300 FT LGTH, CONCRETE COATED API PIPE, 275 FT HVY HOSE AND 2 BUOYS.	552	649	101,982	4,495	5,256	2,465	12,216
12590BD	PIPELINE, SUBMARINE, POL, 120-FT DEPTH, 20-IN, 5300 FT LGTH, CONCRETE COATED API PIPE, 350 FT HVY HOSE AND 2 BUOY S	555	654	106,121	4,966	5,800	2,610	13,376
12590CA	PIPELINE SUBMARINE POL 60FT.DEPTH 10IN.5300FT.LENGTH,API PIPE,HEAVY WALL,200FT HVY-HOSE AND 2 BOUYS.	106	111	139,375	2,465	2,755	1,160	6,380
12590CB	PIPELINE SUBMARINE POL 90FT DEPTH 10IN.5300FT LENGTH,API PIPE HEAVY WALL 275FT HVY-HOSE AND 2 BOUYS.	108	117	143,482	2,755	3,190	1,305	7,250
12590CC	PIPELINE SUBMARINE POL 120FT DEPTH 10IN 5300FT.LENGTH API PIPE,HEAVY WALL 350FT HVY-HOSE AND 2 BOUYS.	110	123	149,145	3,335	3,770	1,305	8,410
12591AA	POL PRESSURE REDUCING STATION FOR 4IN,6IN,OR 8 INCH MAIN TRUNCKLINE, 25 TO 600 POUNDS PRESSURE REDUCING RANGE, CONSISTING OF GATE VALVES, PLUG VALVES AND REDUCING BY-PASS LINE VALVES, GROOVED WITH ADAPTERS, COUPLINGS, GASKETS AND NIPPLES	3	5	5,804		51	7	58
12592AA	PIPELINE 8IN WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 750FT CROSSING	111	88	35,644	1,612	1,868	1,392	4,872
12592AB	PIPELINE 8IN WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1000FT CROSSING	144	114	45,388	2,079	2,411	1,624	6,114
12592AC	PIPELINE 8IN WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1250FT CROSSING	177	141	55,119	2,453	2,868	1,856	7,177

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12592AD	PIPELINE 8IN WELDED RIVER BED CROSSING W/ALTERNATE BY-PASS PIPELINE FOR 1500FT CROSSING	211	168	64,818	2,656	3,173	2,088	7,917
12592AE	POL PIPELINE SUSPENSION F/8"OR SMALLER LINE,100FT. SPAN.	2	3	1,822	16	28	41	85
12592AF	POL PIPELINE SUSPENSION F/8"OR SMALLER LINE,200FT. SPAN.	4	4	3,408	16	45	52	113
12592AG	POL PIPELINE SUSPENSION F/8"OR SMALLER LINE,400FT. SPAN.	8	7	7,328	17	71	78	166
12630AA	TANK TRUCK LOADING POL FOR LOADING 2-TANK TRUCKS SIMULTANE-OUSLY AT 357 BPH EACH W/4-INCH RISER PIPE & SWING ARM CON--NECTED TO 6IN HEADER PIPE	12	12	13,862	218	471	1,530	2,219
12640AA	TANK CAR LOADING, POL, FOR LOADING 5-TANK CARS SIMULTANEOUSLY, AT 357 BPH EACH, W/4-INCH HEADER PIPE.	35	61	53,557	754	2,320	5,075	8,149
12640AB	TANK CAR LOADING, POL, FOR LOADING 10 TANK CARS SIMULTANEOUSLY, AT 357 BPH EACH, W/4IN RISER PIPE & SWING ARM, CONNECTED TO 6IN HEADER PIPE	74	75	71,174	986	3,016	6,612	10,614
12645AA	FUEL TRANSFER, POL, TANK CAR UNLOADING, 2 PRODUCTS, 5 STATIONS, PIPE, PUMPS, FILTER-SEPARATOR, VALVES AND ACCESSORIES.	45	67	79,691	80	537	203	820
12655AA	BARGE (4160 BBLS) OR SMALL VESSEL (11,500BBLS) MOORING IN SHALLOW DEPTH WATER (25FT), POL, ANCHORS, CHAINS, & 4 MOORING AND MARKING BUOYS.	32	69	73,797	348	435	261	1,044
12665AA	MONO MOORING, 4 LEGS, 60 FOOT DEPTH				1,117	1,929	943	3,989
12665AB	MONO MOORING, 4 LEGS, 80 FOOT DEPTH				1,160	1,987	972	4,119
12665AC	MONO MOORING, 4 LEGS, 100 FOOT DEPTH				1,262	2,175	1,044	4,481
12665AD	MONO MOORING, 4 LEGS, 120 FOOT DEPTH				1,320	2,291	1,102	4,713
12665AE	MONO MOORING, 6 LEGS, 60 FOOT DEPTH				1,247	2,219	1,030	4,496

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12665AF	MONO MOORING, 6 LEGS, 80 FOOT DEPTH				1,291	2,306	1,088	4,685
12665AG	MONO MOORING, 6 LEGS, 100 FOOT DEPTH				1,407	2,552	1,189	5,148
12665AH	MONO MOORING, 6 LEGS, 120 FOOT DEPTH				1,465	2,668	1,233	5,366
12665AJ	MONO MOORING, 8 LEGS, 60 FOOT DEPTH				1,363	2,523	1,131	5,017
12665AK	MONO MOORING, 8 LEGS, 80 FOOT DEPTH				1,421	2,625	1,189	5,235
12665AL	MONO MOORING, 8 LEGS, 100 FOOT DEPTH				1,537	2,900	1,276	5,713
12665AM	MONO MOORING, 8 LEGS, 120 FOOT DEPTH				1,610	3,016	1,334	5,960
12665AN	MARINE TERMINAL, TACTICAL,50000 BARREL STORAGE CAPACITY 60 0 GPM RECEIVE AND TRANSFER CAPACITY	6	250	575,092	3,335	5,365	2,262	10,962
12665AP	PIPE, POL, 4-INCH, FOR T-1 TANKER DISCHARGE AT DOCK, 250 BPH, 1000 FT API PIPE, VALVES, TANKER HOSE, AND 1-50 GPM PUMP.	6	6	28,286		508	145	653
12665AR	PIPE, POL, 6-INCH, FOR T-1 TANKER DISCHARGE AT DOCK, 680 BPH, 1000 FT API PIPE, VALVES, TANKER HOSE, AND 1-50 GPM PUMP.	14	13	22,472		638	145	783
12665AT	PIPE, POL, 8-INCH, FOR T-2 TANKER DISCHARGE AT DOCK, 980 BPH, 1000 FT API PIPE, VALVES, TANKER HOSE, AND 1-50 GPM PUMP.	20	24	37,367		754	174	928
12665AU	PIPE, POL, 12-INCH FOR T-2 OR SUPERTANKER-DISCHARGE AT DOCK, 980-2800 BPH, 1000 FTAPI PIPE, VALVES, TANKER HOSE AND 1-50 GPM PUMP.	32	49	221,603		957	232	1,189
12665AV	PIPE, POL, 16-INCH, FOR SUPERTANKER DISCHARGE AT DOCK, 2800 BPH, 1000 FT API PIPE, VALVES, TANKER HOSE AND 1-50 GPM PUMP.	18	28	36,985		1,523	363	1,886

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
12665AW	PIPE POL 10IN FOR T-2 TANKER DISCHARGE AT DOCK 980 BPH 1000 FEET. API PIPE, VALVES, TANKER HOSE AND 1-50 GPM PUMP.	23	28	21,545		754	174	928
12665BA	PIPE POL 10IN FOR T-2 TANKER DISCHARGE AT DOCK 980 BPH 1000 FT.API PIPE,VALVES,TANKER HOSE AND 1-50 GPM PUMP.	2	1	4,038		754	174	928
12690AB	DRUM FILLING BLDG, POL, 40X100, STEEL FRAME BLDG W/O WALL CLADDING, WITH INTERIOR ONLY FOR TROPICAL ZONE	100	82	50,317	267	4,810	831	5,908
13120AN	SIGINT INSTALLATION OPS/COMMAND BLDG W/INTERIOR 80X100 TROPIC CLIMATE W/TWO EXTERIOR DOUBLE DOORS AND NO WINDOWS	47,090	554,118	23,822,249	690	9,570	1,656	11,916
13120AP	SIGINT INSTALLATION OPS/COMPUTER BLDG W/INTERIOR 80X100 TROPIC CLIMATE W/TWO EXTERIOR DOUBLE DOORS AND NO WINDOWS	47,124	554,139	23,833,573	690	9,570	1,656	11,916
13120AR	SIGINT INSTALLATION OPERATIONS BLDG INTERIOR 80X100 TROPIC CLIMATE W/ THREE EXTERIOR DOUBLE DOORS AND NO WINDOWS	47,084	554,107	23,824,757	690	9,570	1,714	11,974
13120AT	SIGINT INSTALLATION SUPPLY/ELEC MAINT BLDG W/INTERIOR 80X100 TROPIC CLIMATE W/FIVE EXTERIOR DOUBLE DOORS AND NO WINDOWS	47,086	554,109	23,822,550	690	9,570	1,714	11,974
13120AU	SIGINT STATION OPS/COMMUNICATIONS BLDG W/INTERIOR 80X100 TROPIC CLIMATE W/THREE EXTERIOR DOUBLE DOORS AND NO WINDOWS	47,120	554,147	23,858,123	690	9,570	1,714	11,974
13120AV	SIGINT STATION OPS/ELEC MAINT BLDG W/INTERIOR 80X100 TROPIC CLIMATE W/ THREE EXTERIOR DOUBLE DOORS AND NO WINDOWS	59,187	554,127	80,605,203	690	9,570	1,714	11,974

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
13120CE	INTERIOR FOR SIGINT INSTALLATION OPS/COMMAND BLDG.80X100FT BUILDING	47,016	553,988	23,750,837		2,610	812	3,422
13120CF	INTERIOR FOR SIGINT INSTALLATION OPS COMPUTER BUILDING 80X100FT.	47,018	553,985	23,760,457		2,610	812	3,422
13120CG	INTERIOR FOR SIGINT INSTALLATION OPERATIONS BUILDING 80X100FEET	47,010	553,977	23,753,345		2,610	870	3,480
13120CH	INTERIOR FOR SIGINT INSTALLATION SUPPLY ELECTRONIC MAINT. BUILDING 80X100FEET	47,012	553,979	23,751,138		2,610	870	3,480
13120CJ	INTERIOR FOR SIGINT STATION OPS/COMMUNICATION FACILITY 80X 100FT BLDG	47,014	553,993	23,785,007		2,610	870	3,480
13120CK	INTERIOR FOR SIGINT STATION IPS/ELECTRONIC MAINTENANCE BUILDING 80X100 FEET.	59,081	553,973	80,532,087		2,610	870	3,480
13610AA	BOMB DAMAGE REPAIR TO AIRFIELD RUNWAY LIGHTING.8000 LIN FT OF RUNWAY-TAXIWAY LIGHTING.IF NECESSARY,THE SYSTEM WILL REQUIRE TWO 30KW AC GENERATORS (NSN 6115-00-118-1240)	22	71	83,200		122	87	209
14110AJ	AIRFIELD OPERATIONS FACILITY 600 SQ FT WOOD FRAME BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	19	26	5,551	32	766	168	966
14110AK	INTERIOR FOR AIRFIELD OPERATIONS FACILITY 600 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	2	6	2,055		548	104	652
14110AL	AIRFIELD OPERATIONS FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	6	16	8,449	46	1,021	355	1,422
14110AM	INTERIOR FOR AIRFIELD OPERATIONS FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	3	8	2,583		573	116	689

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14110AN	AIRFIELD OPERATIONS FACILITY 2100 SQ FT WOOD FRAME BUILDING 30 FT X 70 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	29	49	11,110	49	2,234	428	2,711
14110AP	INTERIOR FOR AIRFIELD OPERATIONS FACILITY 2100 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	8	18	6,282		1,533	297	1,830
14110AR	AIRFIELD OPERATIONS FACILITY 2100 SQ FT PRE-ENGINEERED METAL BUILDING 30 FT X 70 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	24	50	31,288	181	3,381	1,272	4,834
14110AT	INTERIOR FOR AIRFIELD OPERATIONS FACILITY 2100 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	10	22	7,656		1,598	328	1,926
14110BA	AIRFIELD OPERATIONS FACILITY 864 SQ FT PANEL WOOD BUILDING 24 FT X 36 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE AND FRIGID CLIMATE. DESIGN DETAILS ARE ON INST. DWG AG0131-5044, SHT 8 OF 65	27	33	18,383	10	1,399	1,108	2,517
14110BB	AIRFIELD OPERATIONS FACILITY 2160 SQ FT PANEL WOOD BUILDING 36 FT X 60 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE AND FRIGID CLIMATE DESIGN DETAILS ARE ON INST. DWG AG0131-5044,SHT.37 OF 65	170	953	96,409	26	2,712	769	3,507
14110CC	OPERATIONS BUILDING AIRFIELD, LIGHTWEIGHT STEEL PANEL WITH INTERIOR, 20 BY 30 BY 8, DESERT/TROPIC CLIM	4	8	3,051	9	639	175	823
14110CD	OPERATIONS BUILDING AIRFIELD, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, DESERT/TROPIC CLIM	18	26	8,200	46	1,901	841	2,788
14910DA	REVETMENT KIT,PREFABRICATED MODULAR TYPE,CORRUGATED PANELS PIN ASSEMBLED STACKED SECTIONS SIZE A-12FT HIGH BY 5FT WIDE BY 252FT LONG MIL-R-28653.	23	58	4,299	12	70	26	108

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14910DB	REVETMENT KIT,PREFABRICATED MODULAR TYPE,CORRUGATED PANELS, PIN ASSEMBLED STACKED SECTIONS SIZE 8-16FT HIGH BY 7FT WIDE BY 252FT LONG MIL-R-28653	39	98	6,854	17	87	35	139
14910EA	STANDOFF,DIMENSIONED TIMBER CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH	7	7	966	110		44	154
14910EB	STANDOFF,DIMENSIONED TIMBER CONSTRUCTION,100 FT LONG BY 9 FT HIGH	8	9	1,413	148		44	192
14910EC	STANDOFF,DIMENSIONED TIMBER CONSTRUCTION,100 FT LONG BY 11 FT HIGH	9	10	1,698	177		44	221
14910ED	STANDOFF,LOG CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH	15	45	999	51		57	108
14910EE	STANDOFF,LOG CONSTRUCTION,100 FT LONG BY 9 FT HIGH	21	63	1,181	78		57	135
14910EF	STANDOFF,LOG CONSTRUCTION,100 FT LONG BY 11 FT HIGH	24	73	1,323	87		54	141
14910EG	STANDOFF,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH	11	18	4,888	52		19	71
14910EH	STANDOFF,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 9 FT HIGH	16	26	6,892	54		19	73
14910EJ	STANDOFF,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 11 FT HIGH	19	30	8,125	55		19	74
14910FA	REVETMENT,SANDBAG,100 FT LONG BY 5 FT 6 IN. HIGH,34.7 CY FILL REQUIRED	3	5	2,742	158		1,644	1,802
14910FB	REVETMENT,SANDBAG,100 FT LONG BY 9 FT HIGH,68.2 CY FILL REQUIRED	5	10	5,395	309		3,226	3,535
14910FC	REVETMENT,SANDBAG,100 FT LONG BY 11 FT HIGH,91.8 CY FILL REQUIRED	7	14	7,258	415		4,346	4,761

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14910FD	REVETMENT,SANDBAG AND EARTH,100 FT LONG BY 5 FT 6 IN. HIGH, 53.3 CY FILL REQUIRED	1	3	1,376	93		822	915
14910FE	REVETMENT,SANDBAG AND EARTH,100 FT LONG BY 9 FT HIGH,125.7 CY FILL REQUIRED	3	5	2,697	187		1,614	1,801
14910FF	REVETMENT,SANDBAG AND EARTH,100 FT LONG BY 11 FT HIGH,184.4 CY FILL REQUIRED	3	7	3,630	276		2,208	2,484
14910GA	REVETMENT,GRAVITY,EARTH CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH,533.8 CY FILL REQUIRED	2	5	5,993	97		25	122
14910GB	REVETMENT,GRAVITY,EARTH CONSTRUCTION,100 FT LONG BY 9 FT HIGH,1020.6 CY FILL REQUIRED	2	7	9,497	151		42	193
14910GC	REVETMENT,GRAVITY,EARTH CONSTRUCTION,100 FT LONG BY 11 FT HIGH,1350.3 CY FILL REQUIRED	2	7	9,497	186		48	234
14910GD	REVETMENT,GRAVITY,LOG CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH,463.3 CY FILL REQUIRED	22	56	6,610	157		168	325
14910GE	REVETMENT,GRAVITY,LOG CONSTRUCTION,100 FT LONG BY 9 FT HIGH,831.6 CY FILL REQUIRED	31	79	9,669	233		255	488
14910GF	REVETMENT,GRAVITY,LOG CONSTRUCTION,100 FT LONG BY 11 FT HIGH,1068.1 CY FILL REQUIRED	37	92	9,726	286		309	595
14910GG	REVETMENT,GRAVITY,TIMBER CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH,463.3 CY FILL REQUIRED	6	8	6,405	125		45	170
14910GH	REVETMENT,GRAVITY,TIMBER CONSTRUCTION,100 FT LONG BY 9 FT HIGH,831.6 CY FILL REQUIRED	8	11	9,409	183		70	253
14910GJ	REVETMENT,GRAVITY,TIMBER CONSTRUCTION,100 FT LONG BY 11 FT HIGH,1068.1 CY FILL REQUIRED	10	13	9,615	228		83	311
14910GK	REVETMENT,GRAVITY,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH,463.3 CY FILL REQUIRED	9	8	7,303	116		71	187

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14910GL	REVETMENT,GRAVITY,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 9 FT HIGH,831.6 CY FILL REQUIRED	10	10	10,181	165		110	275
14910GM	REVETMENT,GRAVITY,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 11 FT HIGH,1063.1 CY FILL REQUIRED	12	11	10,531	204		131	335
14910GN	REVETMENT,GRAVITY,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 5 FT 6 IN. HIGH,463.3 CY FILL REQUIRED	14	22	10,489	158		45	203
14910GP	REVETMENT,GRAVITY,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 9 FT HIGH,831.6 CY FILL REQUIRED	19	30	15,124	228		61	289
14910GR	REVETMENT,GRAVITY,STEEL SHEET PILE CONSTRUCTION,100 FT LONG BY 11 FT HIGH,1068.1 CY FILL REQUIRED	21	33	16,079	260		68	328
14910HA	REVETMENT,BULKHEAD,LOG CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 5 FT 6 IN. HIGH,25.5 CY FILL REQUIRED	20	57	6,303	226		74	300
14910HB	REVETMENT,BULKHEAD,LOG CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 9 FT HIGH,41.7 CY FILL REQUIRED	34	91	7,245	306		184	490
14910HC	REVETMENT,BULKHEAD,LOG CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 11 FT HIGH,51.0 CY FILL REQUIRED	40	110	8,768	363		206	569
14910HG	REVETMENT,BULKHEAD,M8A1 LANDING MAT-TIMBER POST CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 5 FT 6 IN. HIGH, 25.5 CY FILL REQUIRED	17	12	5,951	135		129	264
14910HK	REVETMENT,BULKHEAD,MSA1 LANDING MAT-STEEL PIPE CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 5 FT 6 IN. HIGH, 25.5 CY FILL REQUIRED	17	10	7,027	135		129	264
14910HL	REVETMENT,BULKHEAD,M8A1 LANDING MAT-STEEL PIPE CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 9 FT HIGH,41.7 CY FILL REQUIRED	18	10	7,657	152		187	339
14910HM	REVETMENT,BULKHEAD,M8A1 LANDING MAT-STEEL PIPE CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 11 FT HIGH,51.0 CY FILL REQUIRED	18	11	7,944	181		212	393

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14910JA	REVETMENT,FREE STANDING,SOIL CEMENT CONSTRUCTION,100 FT LONG BY 6 FT HIGH,88.2 CY FILL REQUIRED	18	15	1,639	293		129	422
14910JB	REVETMENT,FREE STANDING,SOIL CEMENT CONSTRUCTION,100 FT LONG BY 9 FT HIGH,151.2 CY FILL REQUIRED	30	24	2,611	566		222	788
14910JC	REVETMENT,FREE STANDING,SOIL CEMENT CONSTRUCTION,100 FT LONG BY 12 FT HIGH,218.4 CY FILL REQUIRED	44	35	3,602	841		320	1,161
14910JE	REVETMENT,FREE STANDING,CORRUGATED STEEL CONSTRUCTION,100 FT LONG BY 1 FT WIDE BY 6 FT HIGH,26.8 CY FILL REQUIRED	3	4	1,647	236		70	306
14910KA	REVETMENT,PREFABRICATED,MODULAR TYPE,CORRUGATED PANELS,PIN ASSEMBLED,STACKED SECTIONS,252 FT LONG BY 12 FT HIGH,720 CY FILL REQUIRED	23	58	4,299	145		87	232
14910KB	REVETMENT,PREFABRICATED,MODULAR TYPE,CORRUGATED PANELS,PIN ASSEMBLED,STACKED SECTIONS,252 FT LONG BY 16 FT HIGH,1320 CY FILL REQUIRED	39	98	6,854	232		116	348
14910KC	REVETMENT,PREFABRICATED,MOBILE TYPE,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 4 FT 9 IN. HIGH	11	27	7,110	28		46	74
14910KD	REVETMENT,PREFABRICATED,MOBILE TYPE,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 10 FT HIGH	17	31	8,586	41		67	108
14910KE	REVETMENT,PREFABRICATED,MOBILE TYPE,M8A1 LANDING MAT CONSTRUCTION,100 FT LONG BY 11 FT 8 IN. HIGH	18	32	8,919	48		80	128
14910KF	REVETMENT,PREFABRICATED,PANELS WITH FOOTERS,CONCRETE CONSTRUCTION,100 FT LONG BY 4 FT 10 IN. HIGH	14	16	2,884	17		28	45
14910KG	REVETMENT,PREFABRICATED,PANELS WITH FOOTERS,CONCRETE CONSTRUCTION,100 FT LONG BY 9 FT HIGH	39	37	4,969	17		28	45
14910KH	REVETMENT,PREFABRICATED,PANELS WITH FOOTERS,CONCRETE CONSTRUCTION,100 FT LONG BY 11 FT HIGH	44	42	5,610	17		28	45

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14910KJ	REVETMENT,PREFABRICATED,SELF-SUPPORTING,CONCRETE CONSTRUCTION,100 FT LONG BY 5 FT HIGH	21	21	4,765	10		20	30
14910KK	REVETMENT,PREFABRICATED,SELF-SUPPORTING,CONCRETE CONSTRUCTION,100 FT LONG BY 9 FT HIGH	34	33	8,204	10		20	30
14910KL	REVETMENT,PREFABRICATED,SELF-SUPPORTING,CONCRETE CONSTRUCTION,100 FT LONG BY 12 FT HIGH	52	49	10,900	10		20	30
14920AA	BOMB DAMAGE REPAIR OF AIRCRAFT ARRESTING BARRIER - BAK-12	11	27	80,237	32	139	87	258
14930AA	EARTH BARRICADE FOR AMMO STORAGE INSTALLATIONS,67FT WIDE X 16FT HIGH,100LF. 1/1.5 SIDE SLOPES.REQUIRES 1840.0CY EARTH FILL.			399	38		41	79
14930AB	EARTH BARRICADE FOR AMMO STORAGE INSTALLATIONS, 91FT WIDE X 22FT HIGH,100LF SEE DWG FP1105-1115,SH 2			542	277		81	358
14931BA	FIGHTING POSITION,FABRIC-FRAME STRUCTURE WITH SANDBAG OR EARTH COVER	12	19	20,470	1		6	7
14931BB	FIGHTING BUNKER,PRECAST CONCRETE SLAB	6	4	823	4		9	13
14931BC	PERSONNEL SHELTER,FABRIC-FRAME STRUCTURE WITH EARTH COVER	17	31	35,302	1		6	7
14931BD	VERTICAL ENTRY SHAFT FOR PERSONNEL SHELTER.FABRIC-FRAME AND SHEET METAL STRUCTURE	7	12	14,164	1		9	10
14931BE	EQUIPMENT SHELTER,FABRIC-FRAME STRUCTURE WITH EARTH COVER	24	43	49,651	1		9	10
14931BF	COMMAND POST SHELTER,FABRIC-FRAME STRUCTURE WITH EARTH COVR	34	63	72,041	3		9	12
14970AA	LANDING RAMP, LANDING SHIP TANK, 25FT X 100FT	10	7	2,872	87		116	203
14970AB	LANDING RAMP FOR LST, LANDING CRAFT, AND AMPHIBIOUS VEHICLES, 15 FTX100 FT, 12 IN CONCRETE	44	30	931		189	247	436

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
14970AC	LANDING RAMP FOR LST, LANDING CRAFT, AND AMPHIBIOUS VEHICLES, 25 FTX100 FT, 12 IN CONCRETE	31	21	1,347		319	406	725
14970AE	LANDING RAMP,DUKW W/CRUSHED ROCK 15FTX100FTX1FT (NO DWG)				138	36	189	363
14970AF	LANDING RAMP (LCU/LCM/LST) 30FTX100FTX18IN (SEE FM101-10-1)				261	73	363	697
14970AG	RAMP FOR AMPHIBIOUS VEH,60FTX100FTX18IN (SEE FM 101-10-1)				537	131	682	1,350
14970AH	BEACH STABILIZATION, HARDSTAND, 1000SY,6IN ROCK	140	95	700	319	80	406	805
14991AA	CAMOUFLAGE, WOODLAND RADAR SCATTERING SYSTEM AND SCREEN SUPPORT SYSTEM. (CONSULT TM 5-301 TO DETERMINE QUANTITY OF THESE FACILITIES REQUIRED FOR COMPLETE COVERAGE.)			811			1	1
14991AB	CAMOUFLAGE, WOODLAND RADAR TRANSPARENT SYSTEM AND SCREEN SUPPORT SYSTEM.(CONSULT TM 5-301 TO DETERMINE QUANTITY OF THESE FACILITIES REQUIRED FOR COMPLETE COVERAGE.)			828			1	1
15150AD	BOMB DAMAGE REPAIR TO A COMMERCIAL CARGO PIER	3	152	139,108	522	1,862	2,436	4,820
15150BA	GUARD RAIL FOR DELONG BARGE 1FT-4IN HIGHX100LF,STEEL SHEET 4	2		1,033	7	29	15	51
15150BB	GUARD RAIL FOR DELONG BARGE 1FT-11.5IN HIGHX100LF,STEEL SHEET 4	4		1,740	7	29	15	51
15150BC	SEACUSHION,4FTX7.4FT,DELONG PIER,W/PADEYES & FITTINGS SHEET 6	1	7	5,814	3	6		9
15150BD	ROPE SLING FOR CONCRETE BALLAST UNITS,FLOATING FENDERS SHEET 9			44		3	3	6
15150BE	CORNER GUARD,71-INX1.5INX10.0FT STEEL PIPE,DELONG B PIER SHEET 4	8	10	5,822	35	70		105
15150BF	DELONG A BARGE,MOORED TO RO/RO FACILITY SHEET 6	3	250	2,305,914	6	3	12	21

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150BG	SPUD PILE & CONNECTING BRACKET,AMMI PIER SHEET 5	5	5	10,691	20	87		107
15150BH	MOORING POST,24-IN PIPE,DE LONG PIER SHEET 7	3	1	3,067	6	35		41
15150BJ	BITTS,ONE PAIR,AMMI PIER SHEET 7			164	3	29		32
15150BK	BITTS,ONE PAIR,DELONG PIER SHEET 7			370	1	6		7
15150BL	MOORING BITT,FLOATING FENDER SHEET 7			236	3	61		64
15150BM	WIRE ROPE WRAP-AROUND TIE FOR PAIR OF CAISSONS-DELONG B PIER SHEET 6			923	12	61	17	90
15150BN	STEEL CLOSURE PLATES,20 FT LONG,DELONG/AMMI BARGES SHEET 6	1		496	1	1	1	3
15150BP	TIMBER CLOSURE PLUG,8 FT LONG,DELONG/AMMI BARGES SHEET 6			86	9	58	23	90
15150BR	SEACUSHION,6FTX12FT,DELONG PIER,W/PADEYES & FITTINGS SHEET 6	2	20	13,772	3	6		9
15150BT	SEACUSHION,10FTX16FT,DELONG PIER,W/PADEYES & FITTINGS SHEET 6	6	66	39,212	3	6		9
15150BU	TIMBER BACKING FOR 4-FT SEACUSHION, FLOATING FENDERS SHEET 9	1	2	306	7	12		19
15150BV	TIMBER BACKING FOR L-FT SEACUSHION, FLOATING FENDERS SHEET 1	1	2	388	19	112	49	180
15150BW	TIMBER & STL BACKING FOR 10-FT SEACUSHION, FLOATING FENDERS SHEET 9	6	7	2,005	30	123	49	202

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150BY	TIMBER FENDER FOR SIDESHELL,DELONG BARGE,19FTX10FTX12IN SHEET 6	3	5	822	22	64	29	115
15150CA	END GUARD, TIMBER & STEEL,FLOATING FENDERS SHEET 8	13	10	5,530	26	35	17	78
15150CB	INTERMEDIATE GUARD,TIMBER & STEEL,FLOATING FENDERS SHEET 8	10	7	5,011	13	17	9	39
15150CC	RAMP,RO/RO PIER,MACBRIDGE,TYPE,W/27FT-6IN RISE SHEET 2	700	1,850	2,000,000	6	3	12	21
15150CD	TRUNK,CAUSEWAY,SHEET PILE BULKHEADS,10-FT SURF,100 LF. SHEET 13	3,841	2,547	97,559	835	1,183	278	2,296
15150CE	FLOATING FENDER ASSEMBLY,128 FT LONG X 8FT WIDE X 12FT HIGH W/CONCRETE BALLAST,MOORING ROPES & MOORING COLLARS SHEET 10	108	18	65,145	139	174	70	383
15150CF	CONNECTING RAMP FOR DELONG A BARGES,22FT-2IN WIDE X 40FTLONG SHEET 11	22	8	17,509	12	15	46	73
15150CG	TIMBER DECK FOR DELONG:B:BARGE,12IN THICK SHEET 4	142	208	37,803	81	344	325	750
15150CH	TIMBER DECK FOR DELONG:A:BARGE,12IN THICK SHEET 4	384	562	102,432	435	870	1,305	2,610
15150CJ	TIMBER DECK FOR DELONG:B:BARGE,4 IN THICK SHEET 4	45	66	9,604	81	325	162	568
15150CK	TIMBER DECK FOR AMMI BARGE,12IN THICK SHEET 5	22	32	5,791	32	96	64	192
15150CL	TIMBER DECK FOR AMMI BARGE,4 IN THICK SHEET 5	11	16	2,873	32	96	64	192

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150CM	JACKED-UP DELONG :B: BARGE SHEET 4	479	828	1,542,761	158	731	209	1,098
15150CN	JACKED-UP AMMI BARGE - 60FT X 30FT X 5FT, SHEET 5	37	242	91,044	55	209	70	334
15150CP	RAMP,RO/RO PIER,MACBRIDGE TYPE,W/22FT-6IN RISE SHEET 4	600	1,550	1,650,000	6	3	12	21
15150CR	PLATFORM,STEEL,4 FIRE PUMPS,15FTX22FT,ON SIDE OF AMMI BARGE SHEET 12	6	5	6,446	26	157	52	235
15150CT	PLATFORM,STL,4 FIRE & 2 DESALINATION PUMPS,15FTX22FT,ON AMMI SHEET 12	7	6	7,858	26	157	52	235
15150CU	HEAD,CAUSEWAY,STONE,SLOPE H/V\2.0,UNIT WT OF STONE 145PCF SHEET 13							
15150CV	HEAD,CAUSEWAY,STONE,SLOPES(H/V>2.0,UNIT WT OF STONE > 155PCF SHEET 13				206	116	348	670
15150CW	HEAD,CAUSEWAY,STONE,SLOPES(H/V>2.0,UNIT WT OF STONE > 165PCF SHEET 13				174	96	287	557
15150CY	HEAD,CAUSEWAY,SHEET PILE CELLS SHEET 13	1,262	829	83,551	162	194	104	460
15150DA	TRUNK,CAUSEWAY,STONE(145PCF),10-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	313	209	348	870
15150DB	TRUNK,CAUSEWAY,STONE(155PCF),10-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	313	209	348	870
15150DC	TRUNK,CAUSEWAY,STONE(165PCF),10-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	313	209	348	870
15150DD	TRUNK,CAUSEWAY,STONE(145PCF),5-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	377	97	306	780

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150DE	TRUNK,CAUSEWAY,STONE(155PCF),5-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	377	97	306	780
15150DF	TRUNK,CAUSEWAY,STONE(165PCF),5-FT SURF,SLOPE H/V>1.5,100LF SHEET 13	2	2	639	232	97	307	636
15150DG	TRUNK,CAUSEWAY,STONE(145-165PCF),SLOPE H/V>1.5,ON DRY LAND HEIGHT>15FT,100LF,SHEET 13	2	2	639	102	51	102	255
15150DH	TRUNK,CAUSEWAY,COMPACTED LANDFILL,SLOPES H/V>1.5,HEIGHT>15FT ON DRY LAND,100 LF, SHEET 13	2	2	639	51	25	51	127
15150DJ	TRUNK,CAUSEWAY,STONE(145-165PCF) SLOPES H/V>1.5,HEIGHT>10FT ON DRY LAND,100LF, SHEET 13	2	2	639	102	51	102	255
15150DK	TRUNK,CAUSEWAY,COMPACTED LANDFILL,SLOPES H/V>1.5,HEIGHT>10FT ON DRY LAND,100LF, SHEET 13	2	2	639	51	25	51	127
15150DL	TRUNK,CAUSEWAY,STONE(145-165PCF),SLOPES H/V>1.5,HEIGHT>5 FT ON DRY LAND,100LF, SHEET 13	2	2	639	44	22	44	110
15150DM	TRUNK,CAUSEWAY,COMPACTED LANDFILL,SLOPES H/V>1.5,HEIGHT>5 FT ON DRY LAND,100LF, SHEET 13	2	2	639	22	12	22	56
15150DN	FOUNDATION FOR MACBRIDGE TYPE RO/RO RAMP ON DELONG A BARGE SHEET 4			180		3	3	6
15150DP	STEEL COVER,DE LONG BARGE CAISSON WELL,130X135X7IN. SHEET 4	18	2	14,022				
15150DR	1X15 NL PONTOON FENDER W/SEACUSHIONS,FOR AMMI PIER NAVFAC DWG SK9105 & 15150BA-EK,SHT 5			250	35	35		70
15150DT	HANGER,1 OR 2 PIPES,STEEL,AMMI/DELONG:B:BARGE DWG 1105-15,SHEET 8			18	3	6	6	15
15150DU	BRACKET,SUPPORT FOR 3 PIPES,STEEL,AMMI BARGE DWG 1105-15,SHEET 8			68		4	4	8

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150DV	BRACKET,SUPPORT FOR 2 PIPES,STEEL,DELONG:B:BARGE DWG 1105-15,SHEET 3			51		3	3	6
15150DW	BRACKET,ANCHOR FOR 3 PIPES,STEEL,AMMI BARGE DWG 1105-15,SHEET 8			80		6	6	12
15150DY	BRACKET,ANCHOR FOR 2 PIPES,STEEL,DELONG:B:BARGE DWG 1105-15,SHEET 6			59		4	4	8
15150EA	DELONG CONTAINER PIER-900FT LONG X 120 FT WIDE-12 DELONG B:S SHEET 1	9,599	14,756	21,055,308	8,195	33,431	13,642	55,268
15150EB	DELONG BREAKBULK PIER-600FT LONG X 120 FT WIDE-11 DELONG B:S SHEET 2	8,227	12,376	18,492,308	6,151	27,562	12,250	45,963
15150EC	DELONG FLOATING RO/RO STAGE W/RAMPS,600FT LONG X 160 FT WIDE -3 DELONG A:S 3 DELONG B:S 1 MACBRIDGE RAMP & 2 CONNECTING RAMPS FOR DELONG A&S,SHEET 2	3,754	7,405	14,097,294	2,938	14,300	5,968	23,206
15150ED	DELONG LIGHTERAGE PIER-300FT LONG X 120FT WIDE-3 DELONG B:S SHEET 3	2,519	3,452	5,201,227	1,918	6,612	3,132	11,662
15150EE	DELONG SERVICE PIER-450FT LONG X 60FT WIDE-3 DELONG B:S SHEET 3	2,502	3,080	5,251,646	2,342	5,730	1,810	9,882
15150EF	AMMI PORT VESSEL PIER -180FT LONG X 30FT WIDE, 3 AMMIS SHEET 3	3,007	8,234	8,413,499	763	2,506	626	3,895
15150EG	AMMI SERVICE VESSEL PIER-240FT LONG X 30FT WIDE, 7 AMMIS SHEET 3	3,207	9,266	8,793,543	986	3,393	870	5,249
15150EH	DELONG TRESTLE W/12-INCH TIMBER DECK -1 DELONG:B:BARGE SHEET 1	633	1,036	1,586,429	389	1,627	670	2,686
15150EJ	AMMI TRESTLE W/12-INCH TIMBER DECK -1 AMMI 30FTX60FT BARGE SHEET 5	59	274	97,050	113	452	194	759

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15150EK	AMMI TRESTLE W/4-INCH TIMBER DECK - 1 AMMI 30FTX60FT BARGE SHEET 3	50	258	94,661	107	296	139	542
15150EL	DELONG CONTAINER PIER,TRESTLE & CAUSEWAY,20-FT TIDE,15 PER CENT GROUND SLOPE-TRESTLE[1 DELONG 8 PLUS 3 AMMI BARGES, CAUSEWAY HEAD[SHEET PILE CELLS, TRUNK[SHEET PILE BLKHDS 70LF & COMPACTED LANDFILL 100LF DWG FP1105-1115,SHEET 1	13,100	18,399	23,001,817	9,721	37,462	15,244	62,427
15150EM	DELONG BREAKBULK PIER,TRESTLE & CAUSEWAY,20-FT TIDE,15 PER CENT GROUND SLOPE-TRESTLE[1 DELONG 8 PLUS 3 AMMI BARGES,- CAUSEWAY HEAD[SHEET PILE CELLS, TRUNK[SHEET PILE BLKHDS 70 LF & COMPACTED LANDFILL 100LF DWG FP1105-1115,SHEET 1	12,990	16,348	20,522,368	7,676	31,593	13,852	53,121
15150EN	DELONG BREAKBULK-RO/RO PIER,TRESTLE & CAUSEWAY,20-FT TIDE,15 PERCENT GROUND SLOPE-TRESTLE[1 DELONG 8 & 3 AMMI BARGES,-15 CAUSEWAY HEAD[SHEET PILE CELLS,TRUNK[SHEET PILE BLKHDS 70 LF & COMPACTED LANDFILL 100LF DWG FP1105-1115,SHEET 1	16,744	24,253	34,619,662	10,614	45,893	19,820	76,327
15150EP	DELONG LIGHTERAGE PIER,TRESTLE & CAUSEWAY,20-FT TIDE,15 PER CENT GROUND SLOPE-TRESTLE[3 AMMI BARGES-CAUSEWAY HEAD[SHEETPILE CELLS,TRUNK[SHEET PILE BLKHDS 70LF & COMPACTED LANDFILL 100 LF, DWG FP1105-1115,SHEET 1	6,649	6,888	5,644,858	3,055	9,016	4,064	16,135
15150ER	DELONG SERVICE PIER,TRESTLE & CAUSEWAY,20-FT TIDE,15 PERCENT GROUND SLOPE-TRESTLE[3 AMMI BARGES- CAUSEWAY HEAD[SHEET PILE CELLS, TRUNK[SHEET PILE BLKHDS 70LF & COMPACTED LAND-LANDFILL 100 LF, DWG FP1105-1115,SHEET 1	6,605	6,468	5,688,110	3,461	7,665	2,577	13,703
15150ET	AMMI PORT AND SERVICE VESSEL PIERS,TRESTLE & CAUSEWAY,20-FT TIDE,15 PERCENT GROUND SLOPE - TRESTLE[6 AMMI BARGES - CAUSEWAY HEAD[SHEET PILE CELLS, TRUNK[SHEET PILE BLKHDS 70 LF & COMPACTED LANDFILL 100 LF, DWG FP1105-1115,SHEET 1	10,467	21,662	17,927,489	3,190	8,720	2,681	14,591
15191AA	DE LONG PIER A-300 FB. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	3	250	2,305,914	87	36	123	246

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
15191BA	DE LONG PIER B-150 FB. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	10	250	1,193,015	70	29	99	198
15250AU	BOMB DAMAGE REPAIR OF CARGO WHARF	29	26	2,546	566	1,479	1,479	3,524
16390AA	TANKER MOORING, POL, 3 LEGS-60 FT DEPTH	61	157	103,495	580	638	435	1,653
16390AB	TANKER MOORING, POL, 3 LEGS - 90 FT DEPTH	64	158	118,762	696	754	450	1,900
16390AC	TANKER MOORING, POL, 3 LEGS - 120 FT DEPTH	71	160	129,572	769	914	493	2,176
16390AD	TANKER MOORING, POL, 5 LEGS - 60 FT DEPTH	98	254	169,468	870	972	580	2,422
16390AE	TANKER MOORING, POL, 5 LEGS - 90 FT DEPTH	105	256	194,913	1,015	1,117	61	2,193
16390AF	TANKER MOORING, POL, 5 LEGS - 120 FT DEPTH	116	258	212,622	1,131	1,276	638	3,045
16390AG	TANKER MOORING, POL, 7 LEGS 60 FT DEPTH	136	351	235,507	1,218	1,305	812	3,335
16390AH	TANKER MOORING, POL, 7 LEGS-90 FT DEPTH	145	354	271,130	1,450	1,581	870	3,901
16390AJ	TANKER MOORING, POL, 7 LEG - 120 FT DEPTH	160	357	295,471	1,610	1,755	957	4,322
16390AK	TANKER MOORING,POL,6 LEG,25'WATER DEPT	79	265	101,381	392	740	348	1,480
16390AL	TANKER MOORING,POL,6 LEG,50'WATER DEPT	88	256	117,571	548	948	487	1,983
16390AM	TANKER MOORING,POL,6 LEG,75'WATER DEPT	95	261	130,849	626	1,053	557	2,236
16390AN	TANKER MOORING,POL,6 LEG,100'WATER DEPT	95	261	131,678	626	1,074	557	2,257
16390AP	TANKER MOORING,POL,6 LEG,125'WATER DEPT	95	261	131,678	626	1,082	557	2,265
16390AR	TANKER MOORING,POL,5 LEG,25'WATER DEPT	64	204	79,112	326	616	290	1,232
16390AT	TANKER MOORING,POL,5 LEG,50'WATER DEPT	81	250	110,189	457	790	406	1,653

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
16390AU	TANKER MOORING,POL,5 LEG,75'WATER DEPT	88	255	121,483	522	877	464	1,863
16390AV	TANKER MOORING,POL,5 LEG,100'WATER DEPT	88	255	122,313	522	899	464	1,885
16390AW	TANKER MOORING,POL,5 LEG,125'WATER DEPT	88	255	122,313	522	914	464	1,900
16390AY	TANKER MOORING,POL,4 LEG,25'WATER DEPT	57	182	68,257	261	493	232	986
16390BA	TANKER MOORING,POL,4 LEG,50'WATER DEPT	65	188	83,329	365	632	325	1,322
16390BB	TANKER MOORING,POL,4 LEG,75'WATER DEPT	70	192	92,421	418	702	371	1,491
16390BC	TANKER MOORING,POL,4 LEG,100'WATER DEPT	71	192	93,250	418	716	371	1,505
16390BD	TANKER MOORING,POL,4 LEG,125'WATER DEPT	71	192	93,250	418	731	371	1,520
16390BE	TANKER MOORING,POL,3 LEG,25'WATER DEPT	45	140	52,222	196	370	174	740
16390BF	TANKER MOORING,POL,3 LEG,50'WATER DEPT	52	145	63,734	274	474	244	992
16390BG	TANKER MOORING,POL,3 LEG,75'WATER DEPT	55	148	70,623	313	526	278	1,117
16390BH	TANKER MOORING,POL,3 LEG,100'WATER DEPT	56	148	71,452	313	541	278	1,132
16390BJ	TANKER MOORING,POL,3 LEG,125'WATER DEPT	56	148	71,452	313	548	278	1,139
16440AA	JETTY, POL, 14-FT X 1000 FT WALK AND PIPEWAY WITH 40X70 WHARF, TIMBER PILING, DECK AND MOORING FACILITIES.	695	718	278,329	6,235	10,150	276	16,661
16440AB	HOSE DERRICK PARTS FOR POL WHARFS.	2	1	2,709		131	131	262
					42	296	265	603
21330BB	SMALL BOAT REPAIR FACILITY 3072SQ FT WOOD FRAME BUILDING 64 FT X 48 FT ONE STORY CONCRETE FLOOR 13 FT 9 IN HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	104	152	23,077		914	58	972

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21330BE	SMALL BOAT REPAIR FACILITY 2800SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 70 FT WITH INTERIOR,TROPIC CLIMATE	28	52	33,764	262	11,818	1,034	13,114
21330BG	SMALL BOAT REPAIR FACILITY 2880SQ FT PANELIZED WOOD BUILDING 48 FT X 60 FT ONE STORY CONCRETE FLOOR 12 FT HIGH WOOD PANEL CLADDING AND WOOD PANEL ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	204	897	79,053	32	1,556	573	2,161
21330BJ	INTERIOR FOR SMALL BOAT REPAIR FACILITY 3072SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	10	16	6,529		39	17	56
21330BK	ELECTRICAL WIRING KIT, FLUORESCENT LIGHTING AND RECEPTACLE OUTLETS, 20 FOOTCANDLES, 3000 SQ FT, 8 TO 14 FEET MOUNTING HEIGHT, INCLUDING WIRING FOR VENTILATION EXHAUST FANS	1	4	3,172		310	52	362
21330CC	SHOP; MARINE REPAIR LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR 40X100X16 FT TROPIC ZONE	60	154	45,078	94	1,511	505	2,110
21330CD	SHOP; MARINE REPAIR; LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR; 60X180X20 FT TROPIC ZONE	166	625	144,591	202	3,152	1,610	4,964
21410BW	TRACKED VEHICLE TURNING PAD	20	15	1,312		45	68	113
21410BY	VEHICLE WASH RACK	21	15	1,598	6	86	119	211
21410EC	END REPAIR BAY - WOOD FRAME CONSTRUCTION; WOOD CLADDING AND ROOF DECK; OPEN ONE SIDE; ONE COLUMN; 20X60FT DESERT-TROPIC CLIMATES	364	314	24,093	88	1,099	299	1,486
21410ED	END REPAIR BAY - PREFABRICATED METAL FRAME CONSTRUCTION; CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING AND ROOF DECK; OPEN ONE SIDE; ONE ROOF FRAME; 20X60FT DESERT/TROPIC CLIMATES	18	15	14,137	78	935	422	1,435
21410EH	END REPAIR BAY - WOOD FRAME CONSTRUCTION; WOOD CLADDING AND ROOF DECK; OPEN ONE SIDE; TWO COLUMNS; 20X60FT DESERT/TROPIC CLIMATES	374	321	25,381	91	1,132	305	1,528

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21410EJ	END REPAIR BAY - PREFABRICATED METAL FRAME CONSTRUCTION; CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING OPEN ONE SIDE; TWO ROOF FRAMES; 20X60FT DESERT/TROPIC CLIMATES	18	15	14,137	91	1,066	487	1,644
21410EM	END REPAIR BAY - WOOD FRAME CONSTRUCTION; WOOD CLADDING AND ROOF DECK; CLOSED ALL SIDES; TWO COLUMNS; 20X60 FT DESERT/TROPIC CLIMATES	435	390	29,007	175	2,187	547	2,909
21410EN	END REPAIR BAY - PREFABRICATED METAL FRAME CONSTRUCTION; CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING CLOSED ALL SIDES; TWO ROOF FRAMES; 20X60FT DESERT/TROPIC CLIMATES	18	15	14,137	99	1,131	521	1,751
21410ET	END REPAIR BAY - WOOD FRAME CONSTRUCTION; WOOD CLADDING AND AND ROOF DECK; OPEN TWO SIDES; ONE COLUMN; 20X60FT DESERT/TROPIC CLIMATES	290	236	16,130	52	708	196	956
21410EU	INTERIOR REPAIR BAY - PREFABRICATED METAL FRAME CONSTRUCTION; CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING; OPEN TWO SIDES; ONE ROOF FRAME DESERT/TROPIC CLIMATES	18	15	12,137	65	805	357	1,227
21410EY	1200 SQUARE FOOT CORE - WOOD FRAME CONSTRUCTION; WOOD CLADDING AND ROOF DECK;GABLE WITH ONE END WALL;ONE COLUMN DESERT/TROPIC CLIMATES	277	245	24,333	315	1,902	821	3,038
21410FA	1200SQUARE FOOT CORE LEAN-TO; PREFABRICATED METAL FRAME CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING DESERT/TROPIC CLIMATES	15	15	16,771	165	873	358	1,396
21410FD	1200 SQUARE FOOT CORE-WOOD FRAME CONSTRUCTION W/WOOD CLADDING AND ROOF DECK (JOIN TO SUBFACILITY EY ONLY. 20X60 FEET DESERT/TROPIC CLIMATE.	286	252	25,573	318	1,936	824	3,078
21410FE	1200 SQUARE FOOT CORE SUBFACILITY; PREFABRICATED METAL FRAME; CONCRETE FLOOR AND FOUNDATIONS; CORRUGATED METAL CLADDING (W/RIDGE SUPPORT - JOIN TO SUBFACILITY FA ONLY) DESERT/TROPIC CLIMATES	15	15	16,771	122	1,218	609	1,949

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21410FH	1200 SQUARE FOOT CORE.WOOD FRAME CONSTRUCTION WITH WOOD CLADDING AND ROOF DECK; GABLE WITH NO END WALLS;ONE COLUMN DESERT/TROPIC CLIMATES	3	7	3,654	165	1,193	289	1,647
21410FJ	2400 SQUARE FOOT CORE LEAN-TO, PREFABRICATED METAL FRAME, CONCRETE FLOOR AND FOUNDATIONS, CORRUGATED METAL CLADDING AND ROOF DECK DESERT/TROPIC CLIMATES	30	28	31,701	152	1,523	761	2,436
21410FN	2400 SQUARE FOOT CORE SUBFACILITY, PREFABRICATED METAL FRAME, CONCRETE FLOOR AND FOUNDATIONS, CORRUGATED METAL CLADDING AND ROOF DECK, (W/RIDGE SUPPORT - JOIN TO SUBFACILITY FJ ONLY), 40X60 FT DESERT/TROPIC CLIMATES MAINT.CORE 00002400SQFT	30	28	31,701	309	1,965	854	3,128
21410GG	2400 SQUARE FOOT BUILDING, PLAN TYPE 2, 2 REPAIR BAYS, 1200 SQ. FT. CORE, WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, 40X60 FT DESERT/TROPIC CLIMATES	712	636	54,627	534	4,247	1,389	6,170
21410GH	2400 SQUARE FOOT BUILDING, PLAN TYPE 2, 2 REPAIR BAYS, 1200 SQ. FT. CORE, PREFABRICATED METAL CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, CORRUGATED METAL CLADDING, ROOF DECK DESERT, TROPIC CLIMATES	36	31	27,561	251	2,066	899	3,216
21410GT	3600 SQUARE FOOT CORE BUILDING, PLAN TYPE 4, 4 REPAIR BAYS, 1200 SQ. FT. CORE, WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATION, WOOD CLADDING AND ROOF DECK, 60X60 FT DESERT/TROPIC CLIMATES	1,015	881	75,577	537	4,278	1,395	6,210
21410GU	3600 SQUARE FOOT BUILDING, PLAN TYPE 4, 4 REPAIR BAYS, 1200 SQ. FT. CORE, PREFABRICATED METAL CONSTRUCTION, CONCRETE FLOOR AND FOUNDATION, CORRUGATED METAL CLADDING AND ROOF DECK, 60X60 FT DESERT/TROPIC CLIMATES MAINT.FACLIT00003600SQFT	51	46	46,815	342	3,067	1,322	4,731

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21410HN	4800 SQUARE FOOT BUILDING,PLAN TYPE 8,6 REPAIR BAYS 1200 SQ FT.CORE,WOOD FRAME CONSTRUCTION,CONCRETE FLOOR AND FOUNDATION,WOOD CLADDING AND ROOF DECK,TROPIC/DESERT CLIMATES.	1,305	1,117	91,628	577	4,959	1,554	7,090
21410HP	4800 SQUARE FOOT BUILDING,PLAN TYPE 8,6 REPAIR BAYS,1200 SQ FT.CORE,PREFAB METAL CONSTRUCTION CONCRETE FLOOR AND FOUNDATION,CORRUGATED METAL CLADDING AND ROOF,TROP/DESERT CLIMS.	69	61	58,873	441	3,480	1,427	5,348
21410JE	4800 SQUARE FOOT CORE BUILDING, PLAN TYPE 11, 4 REPAIR BAYS , 2400 SQ. FT. CORE, WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATION, WOOD CLADDING AND ROOF DECK, 80X60 FT DESERT/TROPIC CLIMATES	741	643	54,819	344	3,563	864	4,771
21410JF	4800 SQUARE FOOT BUILDING, PLAN TYPE 11, 4 REPAIR BAYS, 2400 SQ. FT. CORE, PREFABRICATED METAL CONSTRUCTION, CONCRETE FLOOR AND FOUNDATION, CORRUGATED METAL CLADDING AND ROOF DECK, 80X60 FT DESERT/TROPIC CLIMATES MAINT.FACLIT00004800SQFT	66	59	61,666	323	3,754	1,623	5,700
21410NA	CORE - 1200 SQUARE FOOT MODULAR INTERIOR CORE PARTITIONS WITH THREE DOORS ALL CLIMATES	2	3	1,304	157	52	15	224
21410NB	CORE - 2400 SQUARE FOOT MODULAR INTERIOR CORE PARTITIONS WITH 4 DOORS ALL CLIMATES	4	4	2,059	35	12	3	50
21410NC	CORE - DX/TS PARTITION ALL CLIMATES	1	1	432		107	22	129
21411AA	LUBRICATION RACK,VEHICLE,12X56 W/RAMP+PLATFORM	7	5	865		522	87	609
21430AG	CRANE SUPPORT FOR 10 TON CRANE, 100 FT OF CRANEWAY	24	27	9,397	29	667	232	928
21430BD	SHOP, ORDNANCE GENERAL PURPOSE REBUILD, LIGHTWEIGHT TENSION FABRIC MEMBRANE BUILDING, 124 BY 244 BY 14/42	240	180	159,420				

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21710AN	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 1000 SQ FT WOOD FRAME BUILDING 20 FT X 50 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	33	45	10,216	38	1,254	322	1,614
21710AP	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 1000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	5	12	4,338		909	212	1,121
21710AR	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 1000 SQ FT PRE-ENGINEERED METAL BUILDING 20 FT X 50 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	13	66	15,602	90	1,830	696	2,616
21710AT	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 1000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	6	14	4,972		940	226	1,166
21710AU	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	56	71	15,436	3	1,540	365	1,908
21710AV	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	9	20	7,137		1,436	336	1,772
21710AW	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	24	129	28,742	165	3,126	1,230	4,521
21710AY	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	11	24	8,299		1,491	363	1,854
21710BA	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD FRAME BUILDING 40 FT X 100 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	105	126	25,970	139	3,774	708	4,621

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21710BB	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	16	33	11,977		2,455	568	3,023
21710BC	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 100 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	46	92	52,678	331	5,820	2,346	8,497
21710BD	INTERIOR FOR COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	20	39	13,986		2,549	612	3,161
21710BH	COMMUNICATION-ELECTRONIC SHOP SLIDING DOOR,PAIRS WITH TRACK FOR OPENING. 8 FOOT WIDE BY 6FOOT-10INCH HIGH.	1	1	192		23	12	35
21710BM	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 1152 SQ FT PANELIZED WOOD BUILDING 24 FT X 48 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	36	45	24,863	12	1,963	1,475	3,450
21710BN	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 2160 SQ FT PANELIZED WOOD BUILDING 36 FT X 60 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	173	957	98,015	26	2,770	851	3,647
21710BP	COMMUNICATIONS-ELECTRONIC MAINTENANCE SHOP FACILITY 4800 SQ FT PANELIZED WOOD BUILDING 48 FT X 100 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	217	951	121,963	36	4,971	1,544	6,551
21710CD	COMMUNICATIONS, ELECTRONIC SHOP, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, DESERT/TROPIC CLIM	17	24	6,776	10	1,211	406	1,627
21710CE	COMMUNICATIONS, ELECTRONIC SHOP, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 50 BY 8, DESERT/TROPIC CLIM	37	42	9,563	57	1,930	726	2,713
21710CF	COMMUNICATIONS, ELECTRONIC SHOP, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 8, DESERT/TROPIC CLIM	72	79	20,029	94	3,351	1,250	4,695

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	CONST EFFORT IN MAN-HOURS VERT	CONST EFFORT IN MAN-HOURS GENL	CONST EFFORT IN MAN-HOURS TOT
21720BC	SHOP, SIGNAL MAINTENANCE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 SY 12, DESERT/TROPIC CLIM	42	46	12,252	87	2,585	668	3,340
21810AB	PARACHUTE PACKING AND DRYING FACILITY 5200 SQ FT WOOD FRAME BUILDING 40 FT X 130 FT ONE STORY CONCRETE FLOOR 8 FT HIGH WOOD AND FELT CLADDING AND WOOD AND FELT ROOF WITH INTERIOR AND 400 SQ FT WOOD FRAME PARACHUTE DRYING TOWER AND 64 SQ FT WOOD FRAME BLOWER SHED, TROPIC CLIMATE	159	179	40,395	73	4,772	645	5,490
21810AE	PARACHUTE PACKING AND DRYING FACILITY 5200 SQ FT PRE-ENGINEEDED METAL BUILDING 40 FT X 130 FT ONE STORY CONCRETE FLOOR CORRUGATED METAL CLADDING AND ROOF WITH INTERIOR AND 400 SQ FT WOOD FRAME PARACHUTE DRYING TOWER AND 64 SQ FT WOOD FRAME BLOWER SHED, TROPIC CLIMATE	84	136	78,421	452	7,151	2,857	10,460
21810AG	PARACHUTE PACKING AND DRYING FACILITY 4320 SQ FT PANELIZED WOOD BUILDING 36 FT X 120 FT ONE STORY CONCRETE FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR AND 400 SQ FT WOOD FRAME PARACHUTE DRYING TOWER AND 64 SQ FT WOOD FRAME BLOWER SHED, DESERT AND TROPIC CLIMATES	454	1,996	174,907	48	4,808	1,520	6,376
21810AJ	INTERIOR FOR PARACHUTE PACKING AND DRYING FACILITY 5200 SQ FT WOOD FRAME AND PRE-ENGINEERED METAL BUILDINGS, TROPIC CLIMATE	8	21	8,157		10	3	13
21810AK	PARACHUTE DRYING FACILITY WITH 400 SQ FT WOOD FRAME PARACHUTE DRYING TOWER BUILDING 42 FT 5 IN HIGH AND 64 SQ FT WOOD FRAME BLOWER SHED EACH WITH CONCRETE FOUNDATION AND WOOD FLOORS AND WOOD AND FELT CLADDING AND ROOFS WITH INTERIORS, TEMPERATE, FRIGID, DESERT AND TROPIC CLIMATES	42	45	15,827	3	2,685	497	3,185
21830AB	DRUM REPAIR & PUMP-COMPRESSOR BLDG, POL, 32X64, WOOD FRAME BLDG W/O CLADDING, WITH INTERIOR ONLY FOR TROPICAL ZONE	42	46	21,234	57	1,918	348	2,323
21830AE	DRUM CLEANING BLDG, POL, 33X200, STEEL FRAME BLDG W/O WALL CLADDING, WITH INTERIOR ONLY, FOR TROPICAL ZONE	432	386	273,234	1,044	18,506	3,060	22,610

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21850AA	INTERIOR FOR BATTERY CHARGE FACILITY 20X24	1	3	2,601		225		225
21850AB	BATTERY CHARGE FACILITY STL FRAME BLDG W/INTERIOR 20X24X8	4	9	6,858	32	567	189	788
21850AC	BATTERY CHARGE FACILITY WOOD FRAME BLDG W/INTERIOR 20X24X8	11	14	4,284	33	537	94	664
21850AD	BATTERY CHARGE FACILITY PANEL WOOD BLDG W/INTERIOR 20X24X8	179	103	8,995	7	596	323	926
21850BB	BATTERY CHARGE SHOP, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 24 BY 8, DESERT/TROPIC CLIM	3	4	2,643	7	302	61	370
21885AU	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 600 SQ FT WOOD FRAME BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	19	25	6,072	51	1,157	223	1,431
21885AV	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 600 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	1	4	2,384		409	94	503
21885AW	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	23	13	10,613	46	877	342	1,265
21885AY	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	2	5	2,807		429	103	532
21885BA	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 1000 SQ FT WOOD FRAME BUILDING 20 FT X 50 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	29	38	9,058	65	1,675	322	2,062
21885BB	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 1000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	1	5	3,180		558	129	687
21885BC	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 1000 SQ FT PRE-ENGINEERED METAL BUILDING 20 FT X 50 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	9	20	15,881	90	1,473	610	2,173

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21885BD	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 1000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	2	7	3,708		583	141	724
21885BE	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	56	61	12,467	88	2,580	473	3,141
21885BF	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	1	6	4,000		724	168	892
21885BG	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	16	114	25,183	165	2,394	1,051	3,610
21885BH	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	3	9	4,740		758	184	942
21885BJ	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD BUILDING WITH INTERIOR,40X100FT.ONE STORY CONC FLOOR 8 FEET HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	90	104	20,644	136	4,730	848	5,714
21885BK	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	3	13	7,035		1,312	303	1,615
21885BL	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 100 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE.	32	70	47,207	331	4,653	2,069	7,053
21885BM	INTERIOR FOR GENERAL PURPOSE MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	6	17	8,515		1,382	335	1,717
21885CB	GENERAL PURPOSE MAINTENANCE SHOP FACILITY 1152SQ FT PANELIZED WOOD BUILDING 24 FT X 48 FT ONE STORY WOOD FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	32	38	23,338	149	1,331	149	1,629

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21885DA	OPTICAL FABRICATING SHOP;WOOD FRAME CONSTRUCTION;BASIC BUILDING 30FT X 60FT;WOOD AND ASPH ROOFING;PLYWOOD SIDING 4IN CONC FLOOR;TEMP CLIM	78	106	18,452				
21885DB	OPTICAL FABRICATING SHOP;WOOD FRAME CONSTRUCTION;BASIC BUILDING 30FT X 60FT;WOOD AND ASPH ROOFING;PLYWOOD SIDING 4IN CONC FLOOR;TROP CLIMATE	64	74	17,750				
21885DC	OPTICAL FABRICATING SHOP;WOOD FRAME CONSTRUCTION;BASIC BUILDING 30FT X 60FT;WOOD AND ASPH ROOFING;PLYWOOD SIDING 4IN CONC FLOOR;DES CLIMATE	64	74	17,750				
21885DD	OPTICAL FABRICATING SHOP;WOOD FRAME CONSTRUCTION;BASIC BUILDING 30FT X 60FT;WOOD AND ASPH ROOFING;PLYWOOD SIDING 4IN CONC FLOOR;FRIG CLIMATE	78	106	18,452				
21885DE	OPTICAL FABFICATING SHOP;METAL FRAME;TYPE IV;30FT X 60FT; 8FT CLEARANCE;TEMP	37	55	28,247				
21885DF	OPTICAL FABFICATING SHOP;METAL FRAME;TYPE IV;30FT X 60FT; 8FT CLEARANCE;TROP	36	53	27,723				
21885DG	OPTICAL FABFICATING SHOP;METAL FRAME;TYPE IV;30FT X 60FT; 8FT CLEARANCE;DES	37	55	28,247				
21885DH	OPTICAL FABFICATING SHOP;METAL FRAME;TYPE IV;30FT X 60FT; 8FT CLEARANCE;FRIG	37	55	28,247				
21885DJ	MEDICAL MAINTENANCE BUILDING;WOOD FRAME CONSTRUCTION;BASIC BUILDING 40FT X80FT;WOOD ROOF AND ASPH ROOFING;CONCRETE FOOTING;6IN CONC FLOOR;8FT MIN CLEARANCE;TEMPERATE	100	117	24,816				
21885DK	MEDICAL MAINTENANCE BUILDING;WOOD FRAME CONSTRUCTION;BASIC BUILDING 40FT X80FT;WOOD ROOF AND ASPH ROOFING;CONCRETE FOOTING;6IN CONC FLOOR;8FT MIN CLEARANCE TROPIC	103	122	26,622				
21885DL	MEDICAL MAINTENANCE BUILDING;WOOD FRAME CONSTRUCTION;BASIC BUILDING 40FT X80FT;WOOD ROOF AND ASPH ROOFING;CONCRETE FOOTING;6IN CONC FLOOR;8FT MIN CLEARANCE;DESERT	193	220	42,452				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
21885DM	MEDICAL MAINTENANCE BUILDING;WOOD FRAME CONSTRUCTION;BASIC BUILDING 40FT X80FT;WOOD ROOF AND ASPH ROOFING;CONCRETE FOOTING;6IN CONC FLOOR;8FT MIN CLEARANCE;FRIGID	105	129	27,256				
21885DN	MEDICAL MAINTENANCE BUILDING;METAL FRAME;TYPE IV; 40FT X 80FT;6IN CONC FLOOR;8FT CLEARANCE;TEMP/DES	64	101	53,563				
21885DP	MEDICAL MAINTENANCE BUILDING;METAL FRAME;TYPE IV; 40FT X 80FT;6IN CONC FLOOR;8FT CLEARANCE;TROP/FRIG	72	117	56,951				
21910AE	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	56	69	15,965	88	3,787	657	4,532
21910AF	INTERIOR FOR FACILITY ENGINEER MAINTENANCE SHOP FACILITY 2000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	11	20	8,050		1,978	376	2,354
21910AG	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 50 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	28	131	30,502	165	3,708	1,286	5,159
21910AH	INTERIOR FOR FACILITY ENGINEER MAINTENANCE SHOP FACILITY 2000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	15	26	10,059		2,072	419	2,491
21910AL	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 2160 SQ FT PANELIZED WOOD BUILDING 36 FT X 60 FT ONE STORY CONCRETE FLOOR WOOD PANEL CLADDING AND ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	173	955	98,177	58	3,986	908	4,952
21910AT	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD FRAME BUILDING 40 FT X 100 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	124	155	33,326	136	7,521	1,349	9,006
21910AU	INTERIOR FOR FACILITY ENGINEER MAINTENANCE SHOP FACILITY 4000 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	39	66	20,101		4,150	827	4,977

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	CONST EFFORT IN MAN-HOURS VERT	CONST EFFORT IN MAN-HOURS GENL	CONST EFFORT IN MAN-HOURS TOT
21910AV	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING 40 FT X 100 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	73	131	62,916	331	7,614	2,651	10,596
21910AW	INTERIOR FOR FACILITY ENGINEER MAINTENANCE SHOP FACILITY 4000 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	47	78	24,224		4,343	916	5,259
21910BB	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 4800 SQ FT PANELIZED WOOD BUILDING 48 FT X 100 FT ONE STORY CONCRETE FLOOR 12 FT HIGH WOOD PANEL CLADDING AND WOOD PANEL ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	236	978	128,446	110	8,388	1,863	10,361
21910BE	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 6144 SQ FT WOOD FRAME BUILDING 48 FT X 128 FT ONE STORY CONCRETE FLOOR 13 FT 9 IN HIGH WOOD AND FELT CLADDING AND WOOD AND FELT ROOF WITH INTERIOR TROPIC CLIMATE	203	241	49,030	220	10,905	2,037	13,162
21910BF	INTERIOR FOR FACILITY ENGINEER MAINTENANCE SHOP FACILITY 6144 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	40	69	26,320		5,388	1,048	6,436
21910BJ	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 6000 SQ FT PANELIZED WOOD BUILDING 60 FT X 100 FT ONE STORY CONCRETE FLOOR 12 FT HIGH WOOD PANEL CLADDING AND WOOD PANEL ROOF WITH INTERIOR DESERT AND TROPIC CLIMATE	365	1,236	124,770	203	13,884	3,464	17,551
21910BL	FACILITY ENGINEER MAINTENANCE SHOP FACILITY 6000 SQ FT PRE-ENGINEERED METAL BUILDING 60 FT X 100 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	79	256	51,508	510	10,440	3,722	14,672
22890BB	LABORATORY, MOTION PICTURE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 14, DESERT/TROPIC CLIM	47	55	22,373	94	5,983	657	6,734

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
22892AA	SAW HORSE TO BE USED IN THE FABRICATION OF PANELIZED WOOD BUILDING SUB-ASSEMBLIES			29			3	3
22892AB	FABRICATION JIG FOR WOOD FLOOR PANELS.USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	1	1	163		23		23
22892AC	FABRICATION JIG FOR WALL PANELS 6FT.AND 8FT.HIGH.USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.		1	144		20		20
22892AD	FABRICATION JIG FOR WALL PANELS 12 FEET HIGH.USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	1	1	160		23		23
22892AE	FABRICATION JIG FOR 24 FOOT TRUSSES.USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	1	2	374		52		52
22892AF	FABRICATION JIG FOR 30 FOOT TRUSSES.USED IN THE PANELIZED WOOD BUILDING SUB FACILITY ASSEMBLY INSTALLATION.	2	3	541		58		58
22892AG	FABRICATION JIG FOR 36 FOOT TRUSSES.USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	2	3	499		55		55
22892AH	FABRICATION JIG FOR ROOF PANELS,USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	1	1	198		29		29
22892AJ	FABRICATION JIG FOR BOX BEAMS. USED IN THE PANELIZED WOOD BUILDING SUB-FACILITY ASSEMBLY INSTALLATION.	1	1	326		17		17
22901AA	AGGREGATE PRODUCTION, 1000CU YD, 150 TON PER HOUR PLANT AND 50 PERCENT EFFICIENCY		1	361	261	551	435	1,247
22901AB	HOT MIX ASPHALT PRODUCTION 100 TON PER HOUR PLANT-1000 CY	577	793	29,226	638	551	522	1,711
22901AC	AGGREGATE PRODUCTION 50 TON PER HOUR PLANT 50 PERCENT EFFICIENCY 100 CU YD			56	190		80	270
22990AA	INTERIOR FOR CARPENTER SHOP, PRECUT STANDARD WORK, 40 X 100 100	6	9	4,758		1,001	348	1,349

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
22990AB	INTERIOR FOR CARPENTER SHOP, PANEL TYPE WORK , 40 X 120	6	9	4,751		1,088	319	1,407
22990AC	CARPENTER SHOP FOR PRECUT STANDARD WORK, WOOD FRAME BLDG W/ INTERIOR, 48X96X14, TEMP CLIM	122	126	17,817	64	2,482	673	3,219
22990AD	CARPENTER SHOP FOR PANEL TYPE WORK,WOOD FRAME BLDG W/INTERI OR,48X128X14,TEMP CLIMATE	160	164	22,096	81	3,065	771	3,917
22990BC	CARPENTER SHOP FOR PRECUT STANDARD WORK, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 14, DESERT/TROPIC CLIM	31	74	17,442	91	1,312	740	2,143
22990BD	CARPENTER SHOP FOR PANEL TYPE WORK, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 120 BY 14, DESERT/TROPIC CLIM	25	19	5,154	107	1,457	780	2,344
41180AA	TANK, POL, 100 BARREL, W/4 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	3	16	5,628	36	109	44	189
41180AB	TANK, POL, 250 BARREL, W/4 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	5	10	5,202	36	145	65	246
41180AC	TANK, POL, 500 BARREL, W/4 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	1	7	6,442	65	261	109	435
41180AD	TANK, POL, 500 BARREL, W/6 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	2	8	5,865	65	261	109	435
41180AE	TANK, POL, 1000 BARREL, W/4-INCH PIPE AND FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY.	1	13	9,258	116	464	189	769
41180AF	TANK, POL, 1000 BARREL, W/6 IN PIPE & FITTINGS TO TANK BER M & BERM DRAIN ASSEMBLY	1	14	8,663	116	450	218	784
41180AG	TANK, POL, 3000 BARREL, W/6 IN PIPE & FITTINGS TO TANK BER M & BERM DRAIN ASSEMBLY	2	32	12,538	131	450	305	886
41180AH	TANK, POL, 3000 BARREL, W/8 IN PIPE & FITTINGS TO TANK BER M & BERM DRAIN ASSEMBLY	2	32	12,044	131	450	319	900

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
41180AJ	TANK, POL, 10000 BARREL, W/6 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	2	40	20,746	203	1,233	609	2,045
41180AK	TANK, POL, 10000 BARREL, W/8 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	3	40	20,115	203	1,233	624	2,060
41180AL	TANK, POL, 10000 BARREL, W/12 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	3	41	28,384	210	1,233	631	2,074
41180AM	TANK, POL, 50000 BARREL, W/8 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	4	193	52,847	435	6,424	2,900	9,759
41180AN	TANK, POL, 50000 BARREL, W/12 IN PIPE & FITTINGS TO TANK BERM & BERM DRAIN ASSEMBLY	4	193	60,922	435	6,438	2,900	9,773
42283AA	MAGAZINE,STEEL ARCH 16X18	15	31	4,280	112	160	145	417
42283AB	MAGAZINE, STEEL ARCH 16X24	16	32	4,354	145	209	193	547
42283AC	MAGAZINE,STEEL ARCH 16X36	14	31	4,453	215	226	218	659
42283AD	MAGAZINE, STEEL ARCH 25X32	27	44	3,355	268	261	319	848
42283AE	MAGAZINE, STEEL ARCH 25X40	31	46	3,473	342	290	399	1,031
42283AF	MAGAZINE, STEEL ARCH 25X48	34	48	3,427	409	319	479	1,207
43190AA	REFRIGERATOR 8.6 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.					1	4	5
43190AB	REFRIGERATOR 12.5 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.		1	140		1	4	5
43190AC	REFRIGERATOR 20 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.		2	1,123		6	15	21

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
43190AD	REFRIGERATOR 65 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.		3	1,432		6	22	28
43191AA	REFRIGERATOR W/O UNIT 600 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	2	11	9,913		52	35	87
43191AB	REFRIGERATOR W/O UNIT 1,200 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	2	21	10,656		87	70	157
43191AC	REFRIGERATOR W/O UNIT 1,800 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	4	25	13,140		87	87	174
43191AD	REFRIGERATOR W/O UNIT 4,000 CF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.		60	49,714		139	104	243
43192AA	REFRIGERATOR UNIT MECHANISM. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	1	4	5,046		87	58	145
44110AA	INTERIOR FOR STOREHOUSE, 20 X 50		1	1,030		116		116
44110AB	INTERIOR FOR STOREHOUSE, 20 X 100	1	2	1,712		226		226
44110AC	INTERIOR FOR WAREHOUSE, CLOSED, 40 X 100		3	1,408		58		58
44110AD	INTERIOR FOR WAREHOUSE, CLOSED, 80 X 220	2	11	5,497		679		679
44110AE	INTERIOR FOR STOREHOUSE, 20 X 20			260		87		87
44110AF	INTERIOR FOR STOREHOUSE, 20 X 30			260		96		96
44110AL	STOREHOUSE,STL FRAME BLDG W/INTERIOR,20X50X8,	10	56	11,736	39	467	239	745

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
44110AM	STOREHOUSE,STL FRAME BLDG W/INTERIOR,20X100X8,	20	107	21,350	77	890	471	1,438
44110AN	WAREHOUSE,CLOSED,STL FRAME BLDG W/INTERIOR, 40X100X12	53	229	37,328	113	1,053	670	1,836
44110AP	WAREHOUSE,CLOSED,STL FRAME BLDG W/INTERIOR, 80 X 220 X 12	231	350	151,045	431	4,209	2,703	7,343
44110AR	STOREHOUSE,STL FRAME BLDG W/INTERIOR,20X20X8	4	7	4,539	15	251	100	366
44110AT	STOREHOUSE,STL FRAME BLDG W/INTERIOR,20X30X8,	5	10	6,172	23	320	145	488
44110BA	STOREHOUSE,WOOD FRAME BLDG W/INTERIOR,20X50X8,	22	27	4,897	46	668	197	911
44110BB	STOREHOUSE,WOOD FRAME BLDG W/INTERIOR,20X100X8,	43	53	9,219	65	1,173	328	1,566
44110BC	WAREHOUSE,CLOSED,WOOD FRAME BLDG W/INTERIOR, 48X96X14	116	120	14,467	102	2,198	813	3,113
44110BD	WAREHOUSE,CLOSED,WOOD FRAME BLDG W/INTERIOR, 80 X 224 X 14	415	412	46,788	287	7,940	3,039	11,266
44110BE	STOREHOUSE,WOOD FRAME BLDG W/INTERIOR,20X20X8,	10	11	1,943	33	380	77	490
44110CF	STOREHOUSE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 20 BY 8, DESERT/TROPIC CLIM	3	2	324	6	158	59	223
44110CG	STOREHOUSE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 30 BY 8, DESERT/TROPIC CLIM	4	3	356	9	194	90	293
44110CH	STOREHOUSE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, DESERT/TROPIC CLIM	4	3	1,114	12	252	81	345
44110CJ	STOREHOUSE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 100 BY 8, DESERT/TROPIC CLIM	9	6	1,880	20	480	204	704
44110CK	WAREHOUSE, CLOSED, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 14, DESERT/TROPIC CLIM	44	35	2,900	102	724	637	1,463

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
44220AB	WAREHOUSE,GENERAL USE,WOOD FRAME CONSTRUCTION,BASIC BUILDING,80FT X 240FT,CORRUGATED STEEL ROOF,CONCRETE FOOTINGS,6IN CONCRETE FLOOR,13FT 9IN MIN CLEARANCE TROPICAL CLIMATE	690	683	109,317	922	5,055	336	6,313
44220AG	WAREHOUSE,GENERAL USE,METAL FRAME TYPE II,80FT X 240FT,6IN CONCRETE FLOOR,12FT CEILING HGT-16FT EAVE HGT,18 5FTX4FT COM PROJ WINDOWS,7 2-3FTX7FT PERS DOORS,7 10FTX12FT SINGLE SLIDE DOORS, CONT RIDGE ROOF VENT PRE-ENGINEERED METAL BLDG DESERT CLIMATE	259	425	214,428	303	3,068	303	3,674
44220AK	WAREHOUSE,SPECIAL USE,WOOD FRAME CONSTRUCTION,BASIC BUILDING 80FT BY 240FT,WOOD ROOF + ASPHALT ROOFING,CONCRETE FOOTINGS,6IN CONCRETE FLOOR,13FT 9IN MIN CLEARANCE TROPICAL CLIMATE	483	534	103,025	999	5,938	336	7,273
44220AP	WAREHOUSE SPECIAL USE,METAL FRAME TYPE II, 80FT X 240FT,6IN CONCRETE FLOOR,12FT CEILING HGT-16FT EAVE HGT, 18 5FTX4FT COM PROJ WINDOWS,7 2-3FTX7FT PERS DOORS,7 10FTX12FT SINGLE SLIDE DOORS,CONT RIDGE ROOF VENT PRE-ENGINEERED METAL BLDG TROPICAL-DESERT CLIMATES	262	428	212,757	284	3,982	383	4,649
44222AB	SHED STORAGE,WOOD FRAME CONSTRUCTION,BASIC BUILDING 20FT X 100FT,WOOD ROOF + ASPHALT ROOFING,CONCRETE FOOTINGS, 6IN CONCRETE FLOOR, 8FT MIN CLEARANCE TROPICAL CLIMATE	55	69	15,375	136	938	136	1,210
44240AB	ACID-FLAMMABLE STORAGE BUILDING,WOOD FRAME CONSTRUCTION, WOOD ROOF,ASPH ROOFING,PLYWOOD SIDING,BASIC BUILDING 20X90 ONE STORY,CONCRETE FLOOR TROPIC-DESERT CLIMATES	48	57	10,362	151	887	151	1,189
44240AE	ACID-FLAMMABLE STORAGE BUILDING,METAL FRAME TYPE IV,30FT X 60FT,4IN CONCRETE FLOOR,8FT CEILING HEIGHT,10FT EAVE HGT, 4 2-3FTX7FT PERS DOORS,ROUND ROOF VENT W/POWER FAN TROPICAL-DESERT CLIMATES	17	29	16,709	32	593	32	657

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
44270HJ	SUPPLY STOREHOUSE, BUILDING NUMBER 3, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, FOR 500 AND 1000 BED HOSPITALS, DESERT/TROPIC CLIM	9	11	3,914	48	974	286	1,308
44270HK	SUPPLY STOREHOUSE BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 90 BY 8, FOR 500 TO 1000 BED HOSPITAL, DESERT/TROPIC CLIM	20	24	6,658	57	1,718	325	2,100
44270HL	SUPPLY STOREHOUSE BUILDING NUMBER 4, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 100 BY 8 FOR 750 BED HOSPITAL, DESERT/TROPIC CLIM	13	16	5,159	59	1,006	348	1,413
44270HM	SUPPLY STOREHOUSE BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 110 BY 8, FOR 300 BED HOSPITAL, DESERT/TROPIC CLIM	21	27	7,699	67	1,799	390	2,256
44270HN	LINEN EXCHANGE AND SUPPLY BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 90 BY 8, FOR 100 BED HOSPITAL, DESERT/TROPIC CLIM	26	34	9,993	57	1,718	325	2,100
44270HP	LINEN EXCHANGE AND SUPPLY BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 110 BY 8, FOR 200 BED HOSPITAL, DESERT/TROPIC CLIM	29	39	11,071	67	1,799	390	2,256
44270HR	LINEN EXCHANGE BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 40 BY 8, FOR 300 AND 500 BED HOSPITALS, DESERT/TROPIC CLIM	15	20	6,830	29	1,894	229	2,152
44270HT	LINEN EXCHANGE BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 50 BY 8, FOR 750 AND 1000 BED HOSPITAL, DESERT/TROPIC CLIM	17	33	11,240	38	2,068	219	2,325
51010BN	INTENSIVE CARE UNIT			40,000	239	9,454	1,321	11,014
51010NB	CENTRALIZED MATERIAL SECTION BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 8, FOR 300 AND 500 BED HOSPITALS, DESERT/TROPIC CLIM	41	55	20,310	88	4,866	477	5,431

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
51010NL	ADMISSION AND DISPOSITION BUILDING NUMBER 3, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 90 BY 8, FOR 500 BED HOSPITAL, DESERT/TROPIC CLIM	28	33	9,198	84	2,455	374	2,913
51010NM	ADMISSION AND DISPOSITION BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 110 BY 8, FOR 750 BED HOSPITAL, DESERT/TROPIC CLIM	33	37	10,459	99	2,659	445	3,203
51010NN	ADMISSION AND DISPOSITION BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 120 BY 8, FOR 1000 BED HOSPITAL, DESERT/TROPIC CLIM	36	36	8,491	102	2,925	467	3,494
51010NP	ADMISSION AND DISPOSITION BUILDING NUMBER 3, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 90 BY 8, FOR 500 BED HOSPITAL, DESERT/TROPIC CLIM	27	34	8,901	84	2,324	374	2,782
51010NR	ADMISSION AND DISPOSITION BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 110 BY 8, FOR 750 BED HOSPITAL, DESERT/TROPIC CLIM	32	36	9,296	99	2,413	445	2,957
51010NT	ADMISSION AND DISPOSITION BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 120 BY 8, FOR 1000 BED HOSPITAL, DESERT/TROPIC CLIM	36	43	10,782	103	2,377	471	2,951
51010NU	ADMISSION AND DISPOSITION BUILDING NUMBER 4, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 90 BY 8, FOR 200 AND 300 BED HOSPITAL, DESERT/TROPIC CLIM	21	25	8,112	57	3,154	325	3,536
51020AC	CLINIC OPD/ER ADMISSION TYPE IV 60 FT WIDE BUILDING 140 FT LONG 8400 SQ FT; TROP/DES THE THEATER CONVERSION HOSPITAL COMPLEX.	438	1,299	127,170	992	6,177	6,023	13,192
53010AA	PREVENTIVE MEDICAL FACILITY, ENTOMOLOGY, FOR TOE 8-620H, PANELIZED WOOD BLDG 48 FT WIDE X 80 FT LONG, DESERT/ TROPICAL.	216	950	93,580				
53010AB	PREVENTIVE MEDICAL FACILITY, ENTOMOLOGY, FOR TOE 8-620H, PANELIZED WOOD BLDG 48 FT WIDE X 80 FT LONG, TEMPERATE/ FRIGID.	1,232	1,433	112,202				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
53010AC	PREVENTIVE MEDICAL FACILITY, ENTOMOLOGY, FOR TOE 8-620H, PRE-ENGINEERED METAL BLDG 50 FT WIDE X 80 FT LONG, DESERT/TROPICAL.	60	120	50,458				
53010AD	PREVENTIVE MEDICAL FACILITY, ENTOMOLOGY, FOR TOE 8-620H, PRE-ENGINEERED METAL BLDG 50 FT WIDE X 80 FT LONG, TEMPERATE/FRIGID.	62	123	63,423				
53010AE	INTERIOR FOR PREVENTIVE MEDICAL FACILITY, ENTOMOLOGY, 48 FT WIDE X 80 FT LONG.	8	52	13,671				
53010BA	PREVENTIVE MEDICAL FACILITY FOR ENVIRONMENTAL SANITATION AND ENGINEERING SERVICE, EPIDEMIOLOGY SERVICE, AND ENTOMOLOGY LAB, FOR TOE 8-620H, PANELIZED WOOD BLDG AND PRE-ENGINEERED METAL BLDG 24 FT WIDE X 36 FT LONG, DESERT/TROPICAL.	31	68	35,102				
53020BC	RADIOLOGY LAB/PHARMACY FOR TROPIC-DESERT CLIMATIC ZONES 120 FT LONG 7200 SQ FT; DESERT/TROPICAL CONVERSION HOSPITAL COMPLEX.	366	1,207	104,318	1,192	7,750	6,811	15,753
53020CA	INTERIOR FOR X-RAY BLDG NO. 2;40X80 FOR 500-750 BED HOSPITAL	23	24	13,702		2,900		2,900
53040AA	VETERINARY FACILITY, FOR TOE 8-680H8, PANELIZED WOOD BLDG 24 FT WIDE X 60 FT LONG, TEMPERATE/FRIGID.	88	124	51,222				
53040AB	VETERINARY FACILITY, FOR TOE 8-680H8, PANELIZED WOOD BLDG 24FT WIDE X 60 FT LONG, DESERT/TROPICAL.	693	403	50,915				
53040AC	VETERINARY FACILITY, FOR TOE 8-680H8, PRE-ENGINEERED METAL BLDG 20 FT WIDE X 60 FT LONG, TEMPERATE/FRIGID.	38	87	55,708				
53040AD	VETERINARY FACILITY, FOR TOE 8-680H8, PRE-ENGINEERED METAL BLDG 20 FT WIDE X 60 FT LONG, DESERT/TROPICAL.	38	85	51,600				
53040AE	INTERIOR FOR VETERINARY FACILITY, 24 FT WIDE X 60 FT LONG.	29	65	37,449				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
53040BA	VETERINARY FACILITY FOR ANIMAL DISPENSARY, FOR TOE 8-680H8, PANELIZED WOOD BLDG 60 FT WIDE X 80 FT LONG, DESERT/ TROPICAL.	342	1,354	259,739				
53040BB	VETERINARY FACILITY FOR ANIMAL DISPENSARY, FOR TOE 8-680H8, PANELIZED WOOD BLDG 60 FT WIDE X 80 FT LONG, TEMPERATE/ FRIGID.	1,779	2,018	257,180				
53040BC	VETERINARY FACILITY FOR ANIMAL DISPENSARY, FOR TOE 8-680H8,, PRE-ENGINEERED METAL BLDG 60 FT WIDE X 80 FT LONG, DESERT/ TROPICAL.	97	282	200,577				
53040BD	VETERINARY FACILITY FOR ANIMAL DISPENSARY, FOR TOE 8-680H8, PRE-ENGINEERED METAL BLDG 60 FT WIDE X 80 FT LONG, TEMPERATE/FRIGID.	97	279	189,887				
53040BE	INTERIOR FOR VETERINARY FACILITY FOR ANIMAL DISPENSERY, 60 FT WIDE X 80 FT LONG.	46	208	150,193				
53040CA	VETERINARY FACILITY FOR SMALL ANIMAL HOSPITAL, FOR TOE 8-680H8, PANELIZED WOOD BLDG 48 FT WIDE X 80 FT LONG, AND PEN AREA OF 36 FT WIDE X 80 FT LONG, DESERT/TROPICAL.	630	2,583	365,406				
53040CB	VETERINARY FACILITY FOR SMALL ANIMAL HOSPITAL, FOR TOE 8-680H8, PANELIZED WOOD BLDG 48 FT WIDE X 80 FT LONG, AND PEN AREA OF 36 FT WIDE X 80 FT LONG, TEMPERATE/FRIGID.	2,377	3,402	362,648				
53040CC	VETERINARY FACILITY FOR SMALL ANIMAL HOSPITAL, FOR TOE 8-680H8, PRE-ENGINEERED METAL BLDG 50 FT WIDE X 80 FT LONG, AND PEN AREA OF 40 FT WIDE X 80 FT LONG,DESERT/ TROPICAL.	208	481	247,555				
53040CD	VETERINARY FACILITY FOR SMALL ANIMAL HOSPITAL, FOR TOE 8-680H8, PRE-ENGINEERED METAL BLDG 50FT WIDE X 80 FT LONG, AND PEN AREA OF 40 FT WIDE X 80 FT LONG, TEMPERATE/ FRIGID.	208	478	234,736				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
53040CE	INTERIOR FOR VETERINARY FACILITY FOR SMALL ANIMAL HOSPITAL, 48 FT WIDE X 80 FT LONG AND PEN AREA OF 36FT WIDE X 80 FT LONG.	133	360	163,611				
55009EA	EXTERIOR CONSTRUCTION TYPE ELEVATOR WITH CONCRETE PIT AND WOOD LANDINGS-ALL CLIMATIC ZONES-TEMPORARY STANDARD OF CONSTRUCTION	28	20	91,961	88	381		469
55010AC	DISPENSARY-FIRST AID FACILITY TROPIC/DESERT CLIMATE ZONES 36X100 FOOT PANELIZED WOOD BUILDING.	337	1,607	125,674	371	4,238	3,094	7,703
55010AW	INTERIOR FOR DISPENSARY, TROOP, 20 X 60, W/O WARD FACILITIES	8	17	8,156				
55010AY	INTERIOR FOR DISPENSARY, TROOP, 20 X 80, W/O WARD FACILITIES	9	21	9,803				
55010BA	DISPENSARY,TROOP,STL FRAME BLDG W/INTERIOR 20X60X8,W/O WARD FACILITIES,TEMP CLIM	14	33	22,021				
55010BB	DISPENSARY,TROOP,STL FRAME BLDG W/INTERIOR 20X80X8,W/O WARD FACILITIES,TEMP CLIM	20	42	28,045				
55010BC	DISPENSARY,TROOP,WOOD FRAME BLDG W/INTERIOR 20X60X8,W/O WARD FACILITIES,TEMP CLIM	34	48	12,751				
55010BD	DISPENSARY,TROOP,WOOD FRAME BLDG W/INTERIOR 20X80X8,W/O WARD FACILITIES,TEMP CLIM	43	62	15,854				
55020DC	DISPENSARY, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 70 BY 8, WITH 6 WARD BEDS, DESERT/TROPIC CLIM	12	14	5,206	15	1,501	148	1,664
55020DD	DISPENSARY, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 100 BY 8, WITH 10 WARD BEDS, DESERT/TROPIC CLIM	17	24	10,789	20	3,785	204	4,009
61025BB	ADMINISTRATION BUILDING,WOOD FRAME CONSTRUCTION,BASIC BUILDING 40FT X 110FT;WOOD ROOF < ASPHALT ROOFING;CONCRETE FOUNDATION;WOOD FLOOR;8FT MIN CLEARANCE TROPICAL CLIMATE	75	133	30,158	276	1,565	276	2,117

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
61025BF	ADMINISTRATION BUILDING, METAL FRAME TYPE IV 40FT X 110FT, 4IN CONCRETE FLOOR, 8FT CEILING HGT, 10FT EAVE HGT, 27 4FT X 4FT COMM PROJ WINDOWS, 3-3FT X 7FT PERS DOORS, 2 ROUND ROOF VENT, PRE-ENGINEERED METAL BUILDING TROPICAL CLIMATE	45	91	53,261	116	1,272	158	1,546
61027BB	FINANCE OFFICE, 15000 MAN, TWO 40 BY 110 LIGHTWEIGHT STEEL PANEL BUILDING WITH COVERED WALKWAY BETWEEN, DESERT/TROPIC CLIM (-20 DEG F)	125	377	98,467	212	3,267	890	4,369
61050DG	ADMINISTRATION BUILDING, LIGHTWEIGHT STEEL PANEL WITH INTERIOR 20 BY 30 BY 8, WITH SUPPLY ROOM, DESERT/TROPIC CLIM	3	4	1,345	9	307	73	389
61050DH	HEADQUARTERS AND UNIT SUPPLY BUILDING COMPANY, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8M DESERT/TROPIC CLIM	4	5	1,367	10	297	91	398
61050DJ	ADMINISTRATION BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8 WITH SUPPLY ROOM, DESERT/TROPIC CLIM	5	6	2,286	12	397	107	516
61050DK	HEADQUARTERS AND UNIT SUPPLY BUILDING BATTALION, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 100 BY 8, DESERT/TROPIC CLIM	10	13	4,397				
61050DL	ADMINISTRATION HEADQUARTERS BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, USED IN 5000 SF INSTALLATION, DESERT/TROPIC CLIM	14	39	13,196	71	1,379	345	1,795
61050DM	ADMINISTRATION BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 8, WITH SUPPLY ROOM, DESERT/TROPIC CLIM	21	24	8,074	88	1,843	400	2,331
61050EH	ADMINISTRATION BUILDING NUMBER 3, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 80 BY 8, FOR 200 AND 300 BED HOSPITAL, DESERT/TROPIC CLIM	15	18	5,272	49	1,050	281	1,380

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
61050EJ	ADMINISTRATION BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 90 BY 8, FOR 500 BED HOSPITAL, DESERT/TROPIC CLIM	17	16	4,812	57	1,146	325	1,528
61050EK	ADMINISTRATION BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 110 BY 8, FOR 750 AND 1000 BED HOSPITALS, DESERT/TROPIC CLIM	19	23	7,052	67	1,393	390	1,850
61050EL	ADMINISTRATION, ADMISSION AND DISPOSITION BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 110 BY 8, FOR 100 BED HOSPITAL, DESERT/TROPIC CLIM	23	29	8,775	67	2,265	390	2,722
61050EM	ADMINISTRATION, ADMISSION AND DISPOSITION BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 110 BY 8, FOR 100 BED HOSPITAL, DESERT/TROPIC CLIM	23	29	9,838	67	1,734	390	2,191
61050EN	ADMINISTRATION, HEADQUARTERS BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, USED IN 5000 SF INSTALLATION, DESERT/TROPIC CLIM	12	23	8,902	48	1,292	258	1,598
61050EP	ADMINISTRATION, HEADQUARTERS BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, USED IN 10,000 SF INSTALLATION, DESERT/TROPIC CLIM	12	27	9,800	48	1,379	258	1,685
61050ER	ADMINISTRATION, SUPPORT BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 70 BY 8, USED IN THE 10,000 SF INSTALLATION, DESERT/TROPIC CLIM	10	8	2,418	48	1,066	258	1,372
61050ET	ADMINISTRATION, SUPPORT BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 50 BY 8, USED IN THE 5000 SF INSTALLATION, DESERT/TROPIC CLIM	8	6	1,817	35	766	191	992
71430AA	SINGLE,TRAILER MOUNTED LAUNDRY OR BATH ASSEMBLY CAPABLE OF PROVIDING THE LAUNDRY SUPPORT FOR 5200 TROOPS WHEN OPERATING 20HRS/DAY/7 DAYS/WK OR PROVIDING THE BATH AND CLOTHES EXCHANGE SUPPORT FOR 3500 TROOPS WHEN OPERATING 8HR/DAY/7 DAYS/WK	8	35	24,038		116	52	168

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72111AU	PORTABLE BUILDING, 10X24, COMPLETE WITH ELECTRIC WALL MOUNTED HEATER, 5100 BTU, 220 VOLT, 60 HERTZ. TOTAL KW REQUIREMENT-1.3 KW. SHIPPED IN KNOCK-DOWN CONFIGURATION.	4	5	4,000	1	1	3	5
72111CD	TROOP HOUSING;ENLISTED;WOOD FRAME CONSTRUCTION;BASIC BLDG. 20X100; WOOD ROOF;WOOD FRAME; 8FT CEILING;CONC FLOOR TROPIC CLIMATE	55	66	13,005	32	392	64	488
72111CE	TROOP HOUSING;ENLISTED;STEEL FRAME BLDG W/INTERIOR 20X100; TROPIC CLIMATE	23	37	23,614	165	1,842	925	2,932
72111CF	TROOP HOUSING;ENLISTED;PANELIZED WOOD BUILDING;24X84 TROP CLIMATE	63	68	41,776	12	1,073	1,219	2,304
72141BC	QUARTERS, FEMALE EMPLOYEES, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 30 BY 8, WITH 4 SINGLE BEDROOMS AND LIVING ROOM, DESERT/TROPIC CLIM	4	4	1,420	9	434	73	516
72141BD	QUARTERS, FEMALE EMPLOYEES, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8, WITH 8 SINGLE BEDROOMS AND LIVING ROOM, DESERT/TROPIC CLIM	6	7	1,856	10	676	91	777
72210EE	INTERIOR FOR KITCHEN AND DINING FACILITY 200-500 MAN FOR THE TROPIC CLIMATE BUILDINGS,TEMPORARY STANDARD CONSTRUCT TROPICAL CLIMATE	15	67	74,768		3,205	187	3,392
72210EG	KITCHEN AND DINING FACILITY 200-500 MAN PRE-ENGINEERED STEEL FRAME BUILDING WITH INTERIOR 40X70 FOOT TROPIC CLIMATE	42	111	102,216	87	4,466	260	4,813
72210EH	KITCHEN AND DINING FACILITY 200-500 MAN,PANELIZED WOOD BUILDING WITH INTERIOR 48 BY 60 FOOT BUILDING. TROPIC CLIMATE	960	1,302	152,010	87	4,292	260	4,639
72210FF	KITCHEN AND DINING FACILITY 200-500MAN WOOD FRAME BUILDING WITH INTERIOR 40X70FEET,FOR THE TROPIC CLIMATE,	76	132	84,807	87	4,437	249	4,773

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72210GB	INTERIOR FOR KITCHEN + DINING FACILITY 500-1100 MAN 60X120 FOOT DESERT/TROPIC	38	88	194,536		4,346	758	5,104
72210GD	KITCHEN + DINING FACILITY 500-1100 MAN WOOD FRAME BUILDING W/INTERIOR 60X120FOOT DESERT/TROPIC ZONE	123	191	218,146	149	7,676	2,049	9,874
72210GG	KITCHEN + DINING FACILITY 500-1100 MAN STEEL FRAME BUILDING W/INTERIOR 60X120FOOT DESERT/TROPIC ZONE	116	493	289,770	418	9,689	3,026	13,133
72210GL	KITCHEN + DINING FACILITY 500-1100 MAN PANELIZED WOOD BUILDING W/INTERIOR 60X120FOOT DESERT/TROPIC	404	1,295	298,854	131	12,164	4,947	17,242
72210HC	KITCHEN AND DINING FACILITY 200-500 MAN,LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR 40 BY 80 FT. TROP/DESR CLIMATE	64	137	81,868	87	1,233	112	1,432
72210HD	KITCHEN AND DINING FACILITY 500-1100 MAN,LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR 50 BY 150 FEET TRP/DESERT CLIM	144	259	209,450	87	1,740	145	1,972
72321AC	MONOGRAM CHEMICAL LATRINE			119		9	9	18
72321BB	LATRINE,PIT TYPE,2 SEATS,4X5X8,WOOD FRAME BLDG	1	1	94		58	12	70
72321BC	LATRINE,PIT TYPE,FEMALE,2 SEATS,10X10X8, WOOD FRAME BLDG W/INTERIOR	5	6	1,028		162	23	185
72321BD	LATRINE,PIT TYPE,160 EM OR 80 OFFICERS,8 SEATS, 10X20X8, WOOD FRAME BLDG W/INTERIOR	8	9	1,559	3	290	46	339
72321BE	LATRINE,250 MAN,BUCKET TYPE,12 SEATS,10X30X8, WOOD FRAME BLDG W/INTERIOR	10	11	1,869	6	373	71	450
72321CA	LATRINE, PIT TYPE, 160 EM OR 80 OFFICERS, 8 SEATS, 20 BY 10 BY 8 LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, TEMP CLIMATE	2	1	448	13	255	20	288
72321CB	LATRINE, PIT TYPE, 160 EM OR 80 OFFICERS, 8 SEATS, 20 BY 10 BY 8 LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, TROPIC AND DESERT CLIMATE	2	1	448	19	370	29	418

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72321CC	LATRINE, PIT TYPE, 160 EM OR 80 OFFICERS, 8 SEATS, 20 BY 10 BY 8 LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, FRIGID CLIM	2	1	448	45	655	52	752
72323BD	INTERIOR FOR BATHHOUSE & LATRINE,500 MAN, 20 X 80, WATER BORNE TYPE, W/24 SHOWER HEADS, 24 SEATS & SANITARY SEWER CONNECTION CHANGE SUPPORT FOR 3500 TROOPS WHEN OPERATING 8 HR/DAY/7DAYS /WK	9	16	17,566		1,786		1,786
72323BU	PORTABLE BLDG, 20-MAN BATH W/HALL,10X24.COMPLETE W/1 CONNEC -TING CANOPY,3 SHOWERS W/SLIDING CURTAINS,12 COMMODES,TANK-TYPE W/PARTITIONS & DOORS,3 LAVATORIES W/SHELVES,MIRRORS & LIGHTS,1 URINAL,1 42-GAL WTR HEATER,GLASS LINED TANK,220V, 60 HERTZ,2 16-IN EXH FANS,1 STEEL STORAGE LOCKER,1 DBL LAUN -DRY TUB. TOTAL KW REQUIREMENT 6.7 KW. SHIPPED ERECTED.	4	5	3,855	1	1	1	3
72323BV	PORTABLE BUILDING, 60-MAN BATH, 10X30. COMPLETE WITH 10 LAVATORIES, SHELVES, MIRRORS AND LIGHTS, 7 SHOWERS WITH SLIDING CURTAINS, 7 COMMODES, TANK-TYPE, WITH PARTITIONS AND DOORS, 1 120-GAL WATER HEATER AND 1 16-INCH EXHAUST FAN. TOTAL KW REQUIREMENT 6.0 KW. SHIPPED ERECTED	4	8	2,095	1	1	1	3
72323DJ	BATHHOUSE FOR 160 EM OR 80 OFFICERS, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR 20 BY 20 BY 8, WITH 8 SHOWER HEADS AND SEWER CONNECTION, DESERT/TROPIC CLIM	6	11	6,778	6	703	44	753
72323DK	BATHHOUSE AND LATRINE, 160 EM OR 80 OFFICERS, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 30 BY 8, WATER BORNE TYPE WITH 8 SHOWER HEADS, 8 SEATS AND SANITARY SEWER CONNECTION, DESERT/TROPIC CLIM	8	12	8,925	9	1,143	73	1,225
72323DL	BATHHOUSE, 250 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8, WITH 12 SHOWER HEADS AND SEWER CONNECTION, DESERT/TROPIC CLIM	7	11	6,772	10	1,407	91	1,508
72323DM	BATHHOUSE, 500 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8 WITH 24 SHOWER HEADS AND SEWER CONNECTION, DESERT/TROPIC CLIM	8	10	7,948	12	1,064	110	1,186

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72323DN	BATHHOUSE, 720 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8 WITH 30 SHOWER HEADS AND SEWER CONNECTION, DESERT/TROPIC CLIM	11	13	9,416	12	2,735	110	2,857
72323DP	BATHHOUSE AND LATRINE, 250 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, WATER BORNE TYPE, WITH 12 SHOWER HEADS, 14 SEATS AND SANITARY SEWER CONNECTION, DESERT/TROPIC CLIM	11	14	11,021	13	1,502	129	1,644
72323DR	BATHHOUSE AND LATRINE, 720 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 100 BY 8, WATER BORNE TYPE, WITH 30 SHOWER HEADS, 36 SEATS AND SANITARY SEWER CONNECTION, DESERT/TROPIC CLIM	21	24	23,300	20	2,852	204	3,076
72323EC	BATHHOUSE AND LATRINE, 500 MAN, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 80 BY 8, WATER BORNE TYPE, WITH 24 SHOWER HEADS, 24 SEATS AND SANITARY SEWER CONNECTION, DESERT/TROPIC CLIM	15	19	17,700	17	1,992	167	2,176
72360AE	DAYROOM FACILITY 600 SQ FT WOOD FRAME BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	19	25	5,796	32	677	168	877
72360AF	INTERIOR FOR DAYROOM FACILITY 600 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	2	5	2,300		460	104	564
72360AG	DAYROOM FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING 20 FT X 30 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	5	13	8,166	46	908	344	1,298
72360AH	INTERIOR FOR DAYROOM FACILITY 600 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	2	5	2,300		486	117	603
72360BB	DAY ROOM, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 30 BY 8, DESERT/TROPIC CLIM	5	8	3,245	9	683	186	878
72410AA	BOQ, MALE	14	1	21,648	77	1,621	368	2,066

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72410AG	BOQ, MALE/FEMALE	8	17	29,000	87	1,740	412	2,239
72410CE	QUARTERS, MALE OFFICERS NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 60 BY 8, 14 MALE OFFICERS FOR HOSPITALS, DESERT/TROPIC CLIM	14	19	4,839	39	1,317	215	1,571
72410CF	QUARTERS, MALE OFFICERS NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 100 BY 8, 24 MALE OFFICERS, FOR HOSPITALS, DESERT/TROPIC CLIM	23	27	6,855	59	1,797	348	2,204
72410CG	QUARTERS, 16 OFFICERS, LIGHTWEIGHT STEEL PANEL BUILDING BUILDING WITH INTERIOR, 20 BY 70 BY 8, 2 DORMITORY ROOMS WITH RECREATION AREAS, DESERT/TROPIC CLIM	12	8	2,401	15	471	148	634
72410CH	QUARTERS, 24 OFFICERS, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 100 BY 8, 3 DORMITORY ROOMS WITH RECREATION AREAS, DESERT/TROPIC CLIM	16	35	17,245	20	599	204	823
72411AA	QUARTERS RECONDITIONING PANELIZED METAL BUILDING DESIGN WITH FLOOR SLAB ON GRADE TEMPERATE CLIMATE, TEMPORARY STANDARD OF CONSTRUCTION UNDER DESIGN	13	6	42,860	191	6,199	1,788	8,178
72420AA	BOQ, FEMALE	14	1	21,648	77	1,621	368	2,066
72420BC	QUARTERS, FEMALE OFFICERS NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 60 BY 8, 13 FEMALE OFFICERS, FOR HOSPITALS, DESERT/TROPIC CLIM	14	19	5,273	39	1,418	215	1,672
72420BD	QUARTERS, FEMALE OFFICERS NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 100 BY 8, 23 FEMALE OFFICERS, FOR HOSPITALS, DESERT/TROPIC CLIM	20	24	6,841	59	2,203	348	2,610
72510AA	TENT FRAME;16FT X 32FT; WOOD FRAME ON WOOD PIER AND FOOTING ASSEMBLY; W/PLYWOOD FLOORING	2	5	742	4	61	128	193
72510AB	TENT FRAME; 16FT X 32FT; WOOD FRAME; ON WOOD PIER AND FOOTING ASSEMBLY; W/1X6 FLOORING	4	5	599	4	61	151	216

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72510AC	TROOP SHELTER; GENERAL PURPOSE; 16FT X 32FT; W/PLYWOOD FLOOR AND METAL ROOF	9	14	1,900	4	139	180	323
72510AD	TROOP SHELTER; GENERAL PURPOSE 16FT X 32FT; W/1X6 FLOOR AND METAL ROOF	10	14	1,787	4	139	357	500
72510AE	TROOP SHELTER; GENERAL PURPOSE; 16FT X 32FT; W/PLYWOOD FLOOR AND PLYWOOD AND FELT ROOF	8	12	2,224	4	157	412	573
72510AF	TROOP SHELTER; GENERAL PURPOSE; 16FT X 32FT; W/1X6 FLOOR AND PLYWOOD AND FELT ROOF	9	12	2,111	4	157	435	596
72510AG	CONVERSION; 16FT X 32FT; FROM TENT FRAME TO G.P. TROOP SHELTER W/METAL ROOF	7	9	1,232		87	223	310
72510AH	CONVERSION; 16FT X 32FT; FROM TENT FRAME TO G.P. TROOP SHELTER W/PLYWOOD AND FELT ROOF	6	7	1,556		104	302	406
72510AJ	FLOOR SYSTEM,16X32FT.,PLYWOOD DECK ON WOOD JOIST,PIER AND FOOTING ASSEMBLY WITH TWO 4X4FT LANDINGS INCLUDING STEPS AND HANDRAILS	2	4	642	4	52	93	149
72510AK	FLOOR SYSTEM,16X32FT.1X6IN BOARD DECK ON WOOD JOIST,PIER AND FOOTING ASSEMBLY WITH TWO 4X4FT LANDINGS INCLUDES STEPS AND HANDRAILS	3	4	529	4	52	116	172
72510AL	WALL,EXTERIOR,FOR 16X32FT. TENT FRAME.3FT-10IN. HIGH WITH PLYWOOD SKIRT		1	100		9	35	44
72510AM	WALLS,EXTERIOR,FOR 16X32FT.TENT FRAME,3FT.-10IN.HIGH WITH A 1X6IN.SKIRT.	1	1	70		9	35	44
72510AN	WALLS,EXTERIOR FOR 16X32FT.TENT FRAME.CONVERSION MATERIAL FOR FULL WALL. 4FT-2IN.HIGH. INCLUDES FRAMING AND HOOD FOR FLOOR PERIMETER VENTILATION.	1	1	96		17	35	52
72510AP	WALLS,EXTERIOR FOR 16X32FT.GENERAL PURPOSE SHELTER,8FT.HIGH WITH FRAMING AND HOOD FOR FLOOR PERIMETER VENTILATION.	1	2	122		17	52	69

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS MOR	VERT	GENL	TOT
72510AR	ROOF SYSTEM FOR 16X32FT.GENERAL PURPOSE SHELTER,WITH 3FT-6IN. SIDEWALL OVERHANG AND 2FT.ENDWALL OVERHANG.INCLUDES CORRUGATED METAL ROOFING ON 2X4IN.PURLINS.	4	5	663		35	102	137
72510AT	ROOF SYSTEM FOR 16X32FT. SHELTER WITH 3FT -6IN. SIDEWALL OVERHANG AND 2FT.ENDWALL OVERHANG INCLUDES 45LB. FELT ROLL ROOFING ON 1/2IN.DECK	3	3	987		52	180	232
72510AU	CLADDING,EXTERIOR,FOR 16X32FT. SHELTER,INCLUDES 1X6IN. SIDING,INSECT SCREEN,TRIM,DOORS AND DOOR HARDWARE.	2	3	473		35	87	122
72510BA	TENT FRAME; 18FT X 52FT; WOOD FRAME ON WOOD PIER AND FOOTING ASSEMBLY; W/PLYWOOD FLOORING/	5	7	1,248	6	81	238	325
72510BB	TENT FRAME; 18FT X 52FT; WOOD FRAME; ON WOOD PIER AND FOOTING ASSEMBLY; W/1X6 FLOORING	6	8	1,008	6	81	267	354
72510BC	TROOP SHELTER; GENERAL PURPOSE; 18FT X 52FT; W/PLYWOOD FLOOR AND METAL ROOF	8	12	2,209	6	165	499	670
72510BD	TROOP SHELTER; GENERAL PURPOSE; 18FT X 52FT; W/1X6 FLOOR AND METAL ROOF	10	15	2,164	6	200	603	809
72510BE	TROOP SHELTER; GENERAL PURPOSE; 18FT X 52FT; W/PLYWOOD FLOOR AND PLYWOOD AND FELT ROOF	10	16	3,289	6	232	705	943
72510BF	TROOP SHELTER; GENERAL PURPOSE; 18FT X 52FT; W/1X6 FLOOR AND PLYWOOD AND FELT ROOF	11	17	3,081	6	244	734	984
72510BG	CONVERSION; 18FT X 52FT; FROM TENT FRAME TO G.P. TROOP SHELTER W/METAL ROOF	5	8	1,221		119	360	479
72510BH	CONVERSION; 18FT X 52FT; FROM TENT FRAME TO G.P. TROOP SHELTER W/PLYWOOD AND FELT ROOF	6	10	2,138		162	490	652
72510BJ	FLOOR SYSTEM; 18FT X 52FT; PLYWOOD DECK ON WOOD JOIST; PIER & FOOTING ASSEMBLY W/2-4FT X 4FT LANDINGS W/STEPS AND HANDRAILS	4	6	1,121	6	64	194	264

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72510BK	FLOOR SYSTEM; 18FT X 52FT; 1X6 DECK ON WOOD JOIST; PIER AND FOOTING ASSEMBLY W/2-4FT X 4FT LANDINGS W/STEPS AND HANDRAILS	5	7	913	6	75	223	304
72510BL	EXTERIOR WALLS; FOR 18FT X 52FT TENT FRAME; 3FT-10IN HIGH W/PLYWOOD SKIRT	1	1	127		17	44	61
72510BM	EXTERIOR WALLS; FOR 18FT X 52FT TENT FRAME; 3FT-10IN HIGH W/1X6 SKIRT	1	1	95		17	44	61
72510BN	EXTERIOR WALLS; FOR 18FT X 52FT TENT FRAME CONVERSION; 4FT-2IN HIGH; W/FRAMING AND HOOD FOR FLOOR PERIMETER VENTILATION	1	2	133		17	55	72
72510BP	EXTERIOR WALLS; FOR 18FT X 52FT GENERAL PURPOSE SHELTER; 8FT-0IN HIGH; W/FRAMING AND HOOD FOR FLOOR PERIMETER VENTILATION	1	2	163		23	75	98
72510BR	ROOF SYSTEM; FOR 18FT X 52FT SHELTER W/3FT-6IN SIDEWALL O.H. AND 2FT-0IN ENDWALL O.H.; INCLUDING CORRUGATED METAL ROOFING ON 2X4 PURLINS	3	4	735		58	174	232
72510BT	ROOF SYSTEM; FOR 18FT X 52FT SHELTER W/3FT-6IN SIDEWALL O.H. AND 2FT-0IN ENDWALL O.H.; INCLUDING 45LB FELT ROLL ROOFING ON 1/2IN PLYWOOD DECK	4	6	1,652		102	305	407
72510BU	EXTERIOR CLADDING; FOR 18FT X 52FT SHELTER; INCLUDING 1X6 SIDING; INSECT SCREEN; DOORS AND DOOR HOWE	1	2	353		44	131	175
72520AA	TENTAGE,10 EACH,GENERAL PURPOSE,MEDIUM.W/O WINDOWS.COTTON DUCK,9.85OZ.FIRE,MILDEW,WATER,WEATHER RESISTANT.OD.W/O FLR FLOOR AREA DIM.32FT8IN LONG AND 16 FT WIDE.RIDGE, 17FT4-1/2IN LONG AND 10 FT HIGH.SIDE WALLS,5FT6IN HIGH.		10	11,700			58	58
72520AC	WOOD FRAME,TENT,W/EARTH FLOOR FOR 16X32 SQUAD TENT	1	1	68	3	12	9	24
72520AD	WOOD FRAME,TENT,W/WOOD FLOOR FOR 16X32 SQUAD TENT	1	2	397	7	160	109	276

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72520AE	WOOD FRAME, TENT, W/CONC FLOOR FOR 16X32 SQUAD TENT	7	5	204	6	29	17	52
72520AF	TENT,GENERAL PURPOSE MEDIUM W/O WINDOWS COTTON DUCK 9.85OZ. FIRE,MILDEW,WATER AND WEATHER RESISTANT,OD ARMY SHADE 7,W/O FLOOR. FLOOR AREA 32FT8IN.LONG 16FT WIDE. WITH COVER,LINES, PINS,POLES,SLIP LINES AND TENT LINER. MIL-T-1712,TYPE 1		1	1,170			6	6
72520AG	WOOD FRAME, TENT, W/EARTH FLOOR FOR 18 BY 52 TENT	1	1	87				
72520AH	WOOD FRAME, TENT, W/WOOD FLOOR FOR 18 BY 52 TENT	1	2	145				
72520AJ	WOOD FRAME, TENT, W/CONCRETE FLOOR FOR 18 BY 52 TENT	12	9	319				
72522AA	TENTAGE,10 EACH,GENERAL PURPOSE,SMALL.COTTON DUCK,9.85OZ., FIRE,MILDEW,WATER,WEATHER RESISTANT.OD.W/O FLOOR,FLOOR AREA DIM.17FT6IN LONG & 17FT6IN WIDE.HEXAGONAL.EACH LATERAL SIDE 8FT9IN LONG.PEAK 10FT6IN HIGH.SIDE WALLS 5 FT HIGH.	1	5	6,790			29	29
72523AA	TENT ASSY,M-1942,SECTIONAL,COTTON DUCK,9.85OZ.FIRE,MILDEW, WATER,WEATHER RESISTANT.OD.W/O FLOOR,FLOOR AREA DIM.80 FT LONG AND 40 FT WIDE.RIDGE,40 FT LONG AND 18 FT HIGH.SIDE WALLS 8 FT HIGH.2 END,2 MIDDLE AND 4 WALL SECTIONS.	1	3	5,124			44	44
72524AA	TENT,KITCHEN,FLY PROOF,M-1948,COTTON DUCK.9.85OZ.FIRE, MILDEW,WATER,WEATHER RESIST.OD.W/O FLR,FLR AREA DIM.18 FT LONG AND 12 FT WIDE.TENT RIDGE,11FT11-1/2IN LONG AND 9 FT HIGH.STACK RIDGE,6 FT LONG AND 12 FT HIGH.TENT SIDE WALLS 6 FT HIGH.STACK SIDE WALLS 9 FT HIGH.		1	723			15	15
72590AB	WOOD FRAME WITH EARTH FLOOR FOR GP LARGE TENT.FLOOR AREA IS 18X52FEET	1	1	116	1	9		10
72590AC	WOOD FRAME WITH WOOD FLOOR FOR GP LARGE TENT. FLOOR AREA IS 18X52FEET PLYWOOD DECK.	3	4	910	1	15		16
72590AD	WOOD FRAME WITH CONCRETE FLOOR FOR GP LARGE TENT FLOOR AREA IS 18X52FEET	3	3	173	1	52		53

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
72590AF	INTERIOR ELECTRICAL AND HEATING SUB FACILITY FOR THE 6P LARGE TENT.ELECTRICAL CONTAINS MATERIAL FOR 3 LIGHTING FIXTURES AND 6 RECEPTACLES.HEATING IS 3 EACH 70000 BTU DIESEL HEATERS.		1	1,357	1	6		7
73010AB	FIRE STATION FACILITY 6144 SQ FT WOOD FRAME BUILDING OPTION A 48 FT X 128 FT ONE STORY CONCRETE FLOOR 13 FT 9 IN HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	201	289	43,668	178	6,474	1,051	7,703
73010AE	FIRE STATION FACILITY 3840 SQ FT WOOD FRAME BUILDING OPTION C 48 FT X 128 FT ONE STORY CONCRETE FLOOR 13 FT 9 IN HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	180	222	34,199	116	4,217	853	5,186
73010AG	FIRE STATION FACILITY 5400 SQ FT PRE-ENGINEERED METAL BUILDING OPTION A 40 FT X 135 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	44	83	73,049	306	4,685	2,266	7,257
73010AJ	FIRE STATION FACILITY 3000 SQ FT PRE-ENGINEERED METAL BUILDING OPTION C 40 FT X 135 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	38	66	41,738	222	3,350	1,537	5,109
73010AL	INTERIOR FOR FIRE STATION FACILITY 6144 SQ FT WOOD FRAME BUILDING OPTION A TROPIC CLIMATE	14	26	10,664		1,746	406	2,152
73010AN	INTERIOR FOR FIRE STATION FACILITY 3840 SQ FT WOOD FRAME BUILDING OPTION C TROPIC CLIMATE	10	21	8,408		1,436	332	1,768
73010AR	INTERIOR FOR FIRE STATION FACILITY 5400 SQ FT PRE-ENGINEERED METAL BUILDING OPTION A TROPIC CLIMATE	10	22	8,595		1,457	338	1,795
73010AU	INTERIOR FOR FIRE STATION FACILITY 3000 SQ FT PRE-ENGINEERED METAL BUILDING OPTION C TROPIC CLIMATE	8	18	7,284		1,311	305	1,616

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
73010CC	FIRE STATION, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 50 BY 130 BY 14, DESERT/TROPIC CLIM	86	78	13,089	2,609	2,848	1,537	6,994
73010CD	FIRE STATION, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 50 BY 130 BY 14, DESERT/TROPIC CLIM	84	99	15,818	2,609	2,622	1,480	6,711
73015FB	GUARDHOUSE, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, WITH GUARD ROOM, OFFICE AND 380 SF PRISONER ROOM, DESERT/TROPIC CLIM	7	7	2,796	13	434	129	576
73016AJ	MILITARY POLICE HEADQUARTERS FACILITY 1200 SQ FT WOOD FRAME BUILDING 30 FT X 40 FT ONE STORY CONCRETE FLOOR 8 FT HIGH CORRUGATED STEEL CLADDING AND CORRUGATED STEEL ROOF WITH INTERIOR TROPIC CLIMATE	33	40	8,773	41	1,488	296	1,825
73016AK	INTERIOR FOR MILITARY POLICE HEADQUARTERS FACILITY 1200 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	6	11	4,839		1,082	218	1,300
73016AL	MILITARY POLICE HEADQUARTERS FACILITY 1200 SQ FT PRE-ENGINEERED METAL BUILDING 30 FT X 40 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	17	32	20,458	106	2,211	809	3,126
73016AM	INTERIOR FOR MILITARY POLICE HEADQUARTERS FACILITY 1200 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	9	16	6,684		1,172	260	1,432
73016AN	MILITARY POLICE HEADQUARTERS FACILITY 2400 SQ FT WOOD FRAME BUILDING 40 FT X 60 FT ONE STORY CONCRETE FLOOR 8 FT HIGH WOOD AND FELT CLADDING AND WOOD AND FELT ROOF WITH INTERIOR TROPIC CLIMATE	63	79	18,035	49	2,936	574	3,559
73016AP	INTERIOR FOR MILITARY POLICE HEADQUARTERS FACILITY 2400 SQ FT WOOD FRAME BUILDING TROPIC CLIMATE	10	22	9,058		2,165	412	2,577
73016AR	MILITARY POLICE HEADQUARTERS FACILITY 2400 SQ FT PRE-EIGINEERED METAL BUILDING 40 FT X 60 FT ONE STORY CONCRETE FLOOR CORRUGATED STEEL CLADDING AND ROOF WITH INTERIOR TROPIC CLIMATE	36	83	52,019	196	4,201	1,502	5,899

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS MOR	VERT	GENL	TOT
73016AT	INTERIOR FOR MILITARY POLICE HEADQUARTERS FACILITY 2400 SQ FT PRE-ENGINEERED METAL BUILDING TROPIC CLIMATE	16	31	12,204		2,266	476	2,742
73016BC	POLICE STATION, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 40 BY 8, DESERT/TROPIC CLIM	17	18	5,604	29	1,405	450	1,884
73016BD	POLICE STATION, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 60 BY 8, DESERT/TROPIC CLIM	39	108	30,369	58	2,575	755	3,388
74018BE	CHAPEL, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 30 BY 8, 60 SEATS, DESERT/TROPIC CLIM	5	7	2,180	12	615	84	711
74018BF	CHAPEL, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, 100 SEATS, DESERT/TROPIC CLIM	8	10	2,761	12	948	110	1,070
74018BG	CHAPEL, 150 SEATS, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 60 BY 8, WITH 2 CHAPLAINSI OFFICES, DESERT/TROPIC CLIM	16	18	3,248	39	1,617	242	1,898
74018BH	CHAPEL, 300 SEATS, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 80 BY 8, WITH 2 CHAPLAINSI OFFICES, DESERT/TROPIC CLIM	27	34	7,206	73	2,310	331	2,714
74025BD	EDUCATION BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8 WITH 2 CLASSROOMS, FOR 2000 MAN POW CAMP, DESERT/TROPIC CLIM	6	6	2,254	12	434	110	556
74059CJ	ADMINISTRATION, POST OFFICE BUILDING NUMBER 3, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 50 BY 8, DESERT/TROPIC CLIM	41	33	8,263	55	842	233	1,130
74059CK	ARMY POST OFFICE BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 60 BY 8, WITH LOBBY, 6 MAIL AND STAMP WINDOWS, OFFICE AND WORK ROOM, DESERT/TROPIC CLIM	16	25	8,916	58	1,151	260	1,469
74059CL	ADMINISTRATION, POST OFFICE BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 70 BY 8, DESERT/TROPIC CLIM	57	46	8,946	70	1,134	305	1,509

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
74059CM	ADMINISTRATION, POST OFFICE BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 90 BY 8, DESERT/TROPIC CLIM	61	50	10,914	84	1,386	374	1,844
74059CN	ARMY POST OFFICE BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 8, WITH LOBBY, 9 MAIL AND STAMP WINDOWS, OFFICE AND WORK ROOM, DESERT/TROPIC CLIM	24	28	9,102	88	1,495	400	1,983
74068BE	UTILITY BUILDING NUMBER 1, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 60 BY 8, FOR 148 EM AND 2 NCO, DESERT/TROPIC CLIM	27	32	16,679	58	3,573	260	3,891
74068BF	UTILITY BUILDING NUMBER 2, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 30 BY 60 BY 8, FOR 84 EM AND 2 NCO, DESERT/TROPIC CLIM	19	28	14,108	39	2,806	242	3,087
74068BH	SERVICE CLUB, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 40 BY 100 BY 14, DESERT/TROPIC CLIM	30	31	8,430	104	1,575	439	2,118
75013AA	ATHLETIC COURT, OUTDOOR, 60 X 120, TENNIS VOLLEY-BALL COMBINATION W/SEPARATE BADMINTON COURT, GENERAL CONSTRUCTION W/O LIGHTING	8	9	1,614	36	189	152	377
81110AA	GENERATING PLANT, 15 KW FIRM, 2-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 12.5 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	6	18	26,441		651	23	674
81110AB	GENERATING PLANT, 30 KW FIRM, 3-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 25 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	9	20	35,487		937	23	960
81110AC	GENERATING PLANT, 45 KW FIRM, 4-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 37.5 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	12	27	47,551		1,311	23	1,334
81110AD	GENERATING PLANT, 60 KW FIRM, 2-60 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 50 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	8	16	38,003		638	23	661

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110AE	GENERATING PLANT, 100 KW FIRM, 2-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 83 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	13	20	23,950		677	23	700
81110AF	GENERATING PLANT, 200 KW FIRM, 3-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 167 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	19	30	36,179		1,128	23	1,151
81110AG	GENERATING PLANT, 300 KW FIRM, 4-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 250 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	24	40	47,996		1,489	35	1,524
81110AH	GENERATING PLANT, 400 KW FIRM, 3-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 333 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	11	113	104,831		2,678	58	2,736
81110AJ	GENERATING PLANT, 600 KW FIRM, 4-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 500 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	13	150	139,785		3,147	87	3,234
81110AK	GENERATING PLANT, 800 KW FIRM, 5-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 667 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	17	188	174,870		3,748	87	3,835
81110AL	GENERATING PLANT CONVERSION, 100 KW TO 200 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 167 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	7	10	12,183		483	23	506
81110AM	GENERATING PLANT CONVERSION FROM 200 KW TO 300 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 250 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	7	10	12,272	17	483	23	523
81110AN	GENERATING PLANT CONVERSION FROM 400 KW TO 600 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 500 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	4	37	35,118	17	911	23	951
81110AP	GENERATING PLANT CONVERSION, 600 KW TO 800 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 667 KW, OUTDOOR, FOR TEMPERATE, TROPICAL, OR DESERT CLIMATES.	4	37	35,081		957	29	986

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110BJ	GENERATING PLANT, 15 KW FIRM, 2-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 12.5 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	31	54	38,418	116	2,703	1,212	4,031
81110BK	GENERATING PLANT, 30 KW FIRM, 3-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 25 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	35	52	47,565	116	3,254	1,218	4,588
81110BL	GENERATING PLANT, 45 KW FIRM, 4-15 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 37.5 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	37	55	58,180	116	3,758	1,218	5,092
81110BM	GENERATING PLANT, 60 KW FIRM, 2-60 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 50 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	36	52	56,173	119	2,920	1,221	4,260
81110BN	GENERATING PLANT, 100 KW FIRM, 2-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 83 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	46	65	48,246	142	3,750	1,459	5,351
81110BP	GENERATING PLANT, 200 KW FIRM, 3-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 167 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	52	78	63,407	142	4,492	1,465	6,099
81110BR	GENERATING PLANT, 300 KW FIRM, 4-100 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 250 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	68	82	72,577	154	5,142	1,511	6,807
81110BT	GENERATING PLANT, 400 KW FIRM, 3-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 333 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	85	196	156,062	276	9,219	705	10,200

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110BU	GENERATING PLANT, 600 KW FIRM, 4-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 500 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	96	250	198,444	284	10,948	737	11,969
81110BV	GENERATING PLANT, 800 KW FIRM, 5-200 KW INSTALLED, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 667 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	73	250	225,968	287	11,876	760	12,923
81110BW	GENERATING PLANT CONVERSION FROM 100 KW TO 200 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 167 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	38	46	32,143	17	821	61	899
81110BY	GENERATING PLANT CONVERSION FROM 200 KW TO 300 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HERTZ OR 50 HERTZ AT 250 KW, IN PREFABRICATED STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	39	47	32,226	17	827	61	905
81110CA	GENERATING PLANT CONVERSION FROM 400 KW TO 600 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HZ (OR 50 HZ AT 5/6 RATED KW) IN PREFAB STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	68	112	80,656		1,697	32	1,729
81110CB	GENERATING PLANT CONVERSION FROM 600 KW TO 800 KW FIRM, 208Y/120 OR 416Y/240 VOLTS, 60 HZ (OR 50 HZ AT 5/6 RATED KW) IN PREFAB STEEL BUILDING FOR TROPICAL OR DESERT CLIMATES.	68	112	80,724		1,668	32	1,700
81110DG	GENERATOR PLANT 1000KW NOMINAL SIZE 1500KW UNSTALLED CAPACITY,USING THREE SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	144	237	302,827	255	15,544	3,480	19,279
81110DH	GENERATOR PLANT 1500KW NOMINAL SIZE 2000KW INSTALLED CAPACITY,USING FOUR SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	139	305	331,097	255	16,228	3,480	19,963
81110DJ	GENERATOR PLANT 2500KW NOMINAL SIZE 3000KW INSTALLED CAPACITY,USING SIX SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	246	416	511,086	386	24,096	6,670	31,152

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110DK	GENERATOR PLANT 3000KW NOMINAL SIZE 4000KW INSTALLED CAPACITY,USING EIGHT SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	247	564	619,356	426	24,923	7,018	32,367
81110DL	GENERATOR PLANT 3000KW NOMINAL SIZE 4500KW INSTALLED CAPACITY,USING THREE SKID MTD 4160-VOLT 1500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	217	445	685,135	354	11,960	4,930	17,244
81110DM	GENERATOR PLANT 3500KW NOMINAL SIZE 4500KW INSTALLED CAPACITY,USING NINE SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	262	526	724,211	432	26,802	7,250	34,484
81110DN	GENERATOR PLANT 4500KW NOMINAL SIZE 6000KW INSTALLED CAPACITY,USING TWELVE SKID MTD 4160-VOLT 500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	195	704	918,384	510	35,803	10,469	46,782
81110DP	GENERATOR PLANT 6000KW NOMINAL SIZE 7500KW INSTALLED CAPACITY,USING FIVE SKID MTD 4160-VOLT 1500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	276	268	108,178	473	14,059	5,487	20,019
81110DR	GENERATOR PLANT 7500KW NOMINAL SIZE 9000KW INSTALLED CAPACITY,USING SIX SKID MTD 4160-VOLT 1500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	378	827	1,331,819	568	16,730	6,322	23,620
81110DT	GENERATOR PLANT 10500KW NOMINAL SIZE 13500KW INSTALLED CAPACITY,USING NINE SKID MTD 4160-VOLT 1500KW DIESEL ENGINE GENERATOR SETS,FOR TROPICAL AND DESERT CLIMATES	555	1,213	1,959,253	769	19,778	7,366	27,913
81110FA	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 15 KW FIRM, 2-15KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AR	11	8	373				
81110FB	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 30 KW FIRM, 3-15KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AT	11	8	373				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110FC	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 45 KW FIRM, 4-15KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AU	11	8	373				
81110FD	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 60 KW FIRM, 2-60KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AV	11	8	373				
81110FE	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 100 KW FIRM, 2-100KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AW	13	10	448				
81110FF	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 200 KW FIRM, 3-100KW INSTALLED, TEMP CLIM FOR INT SEC 06-12; SEE FAC NO 81110AY	13	10	448				
81110FG	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 15 KW FIRM, 2-15KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AR	11	8	373				
81110FH	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 30 KW FIRM, 3-15KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AT	11	8	373				
81110FJ	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 45 KW FIRM, 4-15KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AU	14	9	491				
81110FK	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 60 KW FIRM, 2-60KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AV	11	8	373				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81110FL	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 100 KW FIRM, 2-100KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AW	13	10	448				
81110FM	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 200 KW FIRM, 3-100KW INSTALLED, DESERT/TROPIC CLIM FOR INT SEC 06-12; SEE FAC NO 81110AY	13	10	448				
81110FN	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 15 KW FIRM, 2-15KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AR	11	10	1,437				
81110FP	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 30 KW FIRM, 3-15KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AT	11	8	373				
81110FR	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 45 KW FIRM, 4-15KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AU	11	8	373				
81110FT	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 48 BY 8, 60 KW FIRM, 2-60KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AV	11	8	373				
81110FU	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 100 KW FIRM, 2-100KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AW	13	10	448				
81110FV	GENERATING PLANT, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 60 BY 8, 200 KW FIRM, 3-100KW INSTALLED, FRIGID CLIM FOR INT SEC 06-12; SEE FAC NO 81110AY	13	10	448				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81111AA	CONTROLLED NOISE SYSTEM FOR 100KW GENERATOR SET	209	166	14,596	241	1,643	377	2,261
81230AF	POLE-MOUNTED FLOODLIGHTING ASSEMBLY, SINGLE FLOODLIGHT			39		10		10
81230AG	POLE-MOUNTED FLOODLIGHTING ASSEMBLY, TWO FLOODLIGHTS			39		17		17
81230AH	POLE-MOUNTED FLOODLIGHTING ASSEMBLY, FOUR FLOODLIGHTS			46		28		28
81230AJ	OUTDOOR LIGHTING CIRCUIT SOURCE POLE TOP ASSEMBLY.			9		4		4
81230AK	CONSTRUCTION LIGHTING EQUIPMENT, PORTABLE, WITH GENERATORS, FLOODLIGHTS, LAMPHOLDERS AND ACCESSORIES FOR 31.5 KILOWATTS OF LIGHTING.	4	13	34,313				
81231AA	ELECTRICAL WIRING KIT, FLUORESCENT LIGHTING AND RECEPTACLE OUTLETS, 10 FOOTCANDLES, 480 SQUARE FEET, 8 TO 14 FEET MOUNTING HEIGHT, INCLUDING WIRING FOR VENTILATION EXHAUST FANS. THIS KIT ALSO IDENTIFIED WITH NSN 5410-00-773-6137.		1	613		122	30	152
81231AB	ELECTRICAL WIRING KIT, FLUORESCENT LIGHTING AND RECEPTACLE OUTLETS, 20 FOOTCANDLES, 480 SQUARE FEET, 8 TO 14 FEET MOUNTING HEIGHT, INCLUDING WIRING FOR VENTILATION EXHAUST FANS. THIS KIT ALSO IDENTIFIED WITH NSN 5410-00-773-6147.		1	657		133	33	166
81231AC	ELECTRICAL WIRING KIT, INCANDESCENT LIGHTING AND RECEPTACLE OUTLETS, 10 FOOTCANDLES, 480 SQUARE FEET, 8 TO 14 FEET MOUNTING HEIGHT, INCLUDING WIRING FOR VENTILATION FANS			550		80		80
81231AD	ELECTRICAL WIRING KIT, INCANDESCENT LIGHTING AND RECEPTACLE OUTLETS, 20 FOOTCANDLES, 480 SQUARE FEET, 8 TO 14 FEET MOUNTING HEIGHT, INCLUDING WIRING FOR VENTILATION FANS			551		80		80
81231AE	ELECTRICAL WIRING KIT, MERCURY VAPOR LIGHTING AND RECEPTACLE OUTLETS, 20 FOOTCANDLES, 1600 SF, 20 FT MOUNTING HEIGHT			1,389		113		113
81231AF	ELECTRICAL WIRING KIT,FLUORESCENT LIGHTING AND RECEPTACLE 150 SQUARE FEET,8 TO 10 FT.MOUNTING HEIGHT.CORRIDOR LIGHT. MOUNTING HEIGHTS,INCLUDING WIRING FOR VENTILATION EXHAUST FANS.		1	438		73	15	88

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81231AG	ELECTRICAL WIRING KIT, FLUORESCENT LIGHTING, 20FOOTCANDLES, 150 SQUARE FEET, 8 TO 10 FOOT MOUNTING HEIGHT. MOUNTING HEIGHTS, INCLUDING WIRING FOR VENTILATION EXHAUST FANS. OFFICE LIGHTING.		1	436		73	15	88
81231AH	ELECTRICAL KIT, GENERAL CONSTRUCTION MATERIAL TO SUPPORT WIRING OF FACILITY INTERIOR LAYOUTS.			17		9	3	12
81231AK	COMPLETER ELECTRICAL KIT FOR 2400 SQUARE FOOT VEHICLE MAINTENANCE BUILDING PLAN TYPE 2			552		93	17	110
81231AL	COMPLETER ELECTRICAL KIT - 3600 SQUARE FOOT VEHICLE MAINTENANCE BUILDING, PLAN TYPE 4			667		115	23	138
81231AM	COMPLETER ELECTRICAL KIT - 4800 SQUARE FOOT VEHICLE MAINTENANCE BUILDING, PLAN TYPE 11			588		157	30	187
81231AP	ELECTRICAL KIT FOR VEHICLE REPAIR BAY SUBFACILITY-(WOOD OR METAL CONSTRUCTION) ALL CLIMATES	1	3	1,689		223	45	268
81231AR	ELECTRICAL KIT FOR 1200 SQUARE FOOT CORE SUBFACILITY-(WOOD OR METAL CONSTRUCTION) ALL CLIMATES	1	4	2,275		390	78	468
81231AT	ELECTRICAL KIT FOR 2400 SQUARE FOOT CORE SUBFACILITY-(WOOD OR METAL CONSTRUCTION) ALL CLIMATES	2	8	4,258	9	1,244	78	1,331
81231BA	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; MEDIUM; USED AS BARRACKS. ONE 2 ELEMENT LIGHTING FIXTURE AND 4 DUPLEX OUTLETS. 120/240 VOLT SERVICE.			274				
81231BB	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS QUARTERS. ONE 2 ELEMENT LIGHTING FIXTURE AND 8 DUPLEX OUTLETS. 120/240 VOLT SERVICE			386				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL: WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81231BC	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS STORAGE; WARD AND WAREHOUSE. TWO 2 ELEMENT LIGHTING FIXTURES AND 8 DUPLEX OUTLETS. 120/240 VOLT SERVICE			414				
81231BD	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; MEDIUM; USED AS MESS. TWO 2 ELEMENT LIGHTING FIXTURES AND 4 DUPLEX OUTLETS 120/240 VOLT SERVICE			298				
81231BE	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS WRITING AREAS. FOUR 2 ELEMENT LIGHTING FIXTURES AND 8 DUPLEX OUTLETS. 120/240 VOLT SERVICE		1	470				
81231BF	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS RECREATION; BATH; KITCHEN AND GENERAL WORK AREA. SIX 2 ELEMENT LIGHTING FIXTURES AND 8 DUPLEX OUTLETS 120/2140 VOLT SERVICE		1	525				
81231BG	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; MEDIUM; USED AS LABORATORY; READING AND PX. FIVE 2 ELEMENT LIGHTING FIXTURES AND 4 DUPLEX OUTLETS 120/240 VOLT SERVICE		1	372				
81231BH	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS PHARMACY. NINE 2 ELEMENT LIGHTING FIXTURES AND 8 DUPLEX OUTLETS. 120/214 VOLT SERVICE		1	608				
81231BJ	ELECTRICAL KIT FOR GENERAL PURPOSE TENT; LARGE; USED AS OFFICE; LAUNDRY AND SHOPS. TWELVE 2 ELEMENT LIGHTING FIXTURES AND 8 DUPLEX OUTLETS. 120/240 VOLT SERVICE		2	690				
81240AB	ELECTRICAL GENERATION & DISTRIBUTION FOR POL PUMP STATION, 6 IN PIPELINE, WITH ONE OR TWO DIESEL ENGINE DRIVEN PUMPS. SERVES HEATING & LIGHTING IN PUMP SHED, ADMIN. BLDG., LATRINE, OUTDOOR LIGHTING, AND AUXILIARY MOTORS.	3	6	14,092	102	348	220	670
81240AG	ELECTRICAL DISTRIBUTION FOR MARINE RAILWAY REPAIR INSTALLATION INCLUDING OUTSIDE LIGHTING.	5	7	4,589	73	1,160	508	1,741

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240AJ	ELECTRICAL DISTRIBUTION FOR DRY CARGO COVERED STORAGE, 12000 SF, TEMPORARY STANDARD		1	526	7	33	29	69
81240AK	ELECTRICAL DISTRIBUTION FOR DRY CARGO COVERED STORAGE, 25000 SF, TEMPORARY STANDARD	1	1	793	9	42	36	87
81240AL	ELECTRICAL DISTRIBUTION FOR DRY CARGO COVERED STORAGE, 50000 SF, TEMPORARY STANDARD	1	2	1,146	12	44	58	114
81240AM	ELECTRICAL DISTRIBUTION FOR DRY CARGO COVERED STORAGE, 100000 SF, TEMPORARY STANDARD	2	2	1,769	17	119	123	259
81240DC	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, SINGLE PRIMARY SUPPORT, 0 TO 5 DEGREE ANGLE.			55		10		10
81240DD	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, HEAVY CONDUCTOR, 0 TO 5 DEGREE ANGLE.			62		13		13
81240DE	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE PRIMARY SUPPORT, 5 TO 30 DEGREE ANGLE.			100		17		17
81240DF	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE PRIMARY SUPPORT, HEAVY CONDUCTOR, 5 TO 30 DEGREE ANGLE.			64		20		20
81240DG	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, 30 TO 60 DEGREE ANGLE, FOR COPPER CONDUCTORS NO. 6 THRU 000			67		7		7
81240DH	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, 60 TO 90 DEGREE ANGLE, FOR COPPER CONDUCTORS NO. 6 THRU 2.			146		17		17
81240DJ	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, 30 TO 60 DEGREE ANGLE, FOR COPPER CONDUCTORS NO. 6 THRU 2.			111		17		17
81240DK	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE DEADEND, LARGE CONDUCTORS.			184		20		20

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240DL	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE CIRCUIT, SINGLE PRIMARY SUPPORT, 0 TO 5 DEGREE ANGLE.			65		20		20
81240DM	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE CIRCUIT, DOUBLE PRIMARY SUPPORT, 0 TO 5 DEGREE ANGLE.			134		36		36
81240DN	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE CIRCUIT, DOUBLE PRIMARY SUPPORT, 5 TO 30 DEGREE ANGLE.			134		36		36
81240DP	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, DOUBLE CIRCUIT, 30 TO 60 DEGREE ANGLE. FOR COPPER CONDUCTORS AWG NO. 00 THROUGH 350 MCM.			146		13		13
81240DR	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, DOUBLE CIRCUIT, 60 TO 90 DEGREE ANGLE. FOR COPPER CONDUCTORS AWG NO. 00 THROUGH 350 MCM.			470		39		39
81240DT	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE CIRCUIT, DOUBLE DEADEND.			365		46		46
81240DU	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, DOUBLE CIRCUIT, 3-PHASE TAP AT 0 TO 5 DEGREE ANGLE.			171		39		39
81240DV	DOWN GUY ASSEMBLY, 3/8 INCH STRAND, FOR PRIMARY AND SECONDARY LINES.			55		4		4
81240DW	OVERHEAD GUY ASSEMBLY, 3/8 INCH STRAND, FOR PRIMARY AND SECONDARY LINES.			70		4		4
81240DY	DOUBLE DOWN GUY ASSEMBLY, 3/8 INCH STRAND, FOR PRIMARY AND SECONDARY LINES.			77		7		7
81240EA	LINE ANCHOR ASSEMBLY, EXPANDING TYPE, 10000 LBS. (4536 KG.) NOMINAL HOLDING POWER.			4		4		4
81240EB	LINE ANCHOR ASSEMBLY, LOG TYPE, 10000 LBS. (4536 KG.) NOMINAL HOLDING POWER.			8		4	7	11

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240EC	POLE TOP OR UNDERBUILD ASSEMBLY, SECONDARY LINE, TWO ATTACHMENTS.			121		10		10
81240ED	POLE TOP OR UNDERBUILD ASSEMBLY, SECONDARY LINE, FOUR ATTACHMENTS.			200		10		10
81240EE	POLE TOP OR UNDERBUILD ASSEMBLY, SECONDARY LINE, SIX ATTACHMENTS.			324		953		953
81240EF	POLE TOP ASSEMBLY,13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, 30 TO 60 DEGREE ANGLE, FOR COPPER CONDUCTORS AWG NO. 0 THROUGH 350 MCM.			156		17		17
81240EG	POLE TOP ASSEMBLY 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, 30 TO 60 DEGREE ANGLE, FOR ACSR CONDUCTORS AWG NO. 2 THROUGH 336.4 MCM.			156		17		17
81240EH	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE CROSSARM CONSTRUCTION, 30 TO 60 DEGREE ANGLE, FOR ACSR CONDUCTORS 477 MCM THROUGH 636 MCM.			108		17		17
81240EJ	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, 60 TO 90 DEGREE ANGLE, FOR COPPER CONDUCTORS AWG NO. 0 THROUGH 350 MCM.			237		17		17
81240EK	POLE TOP ASSEMBLY, 13.8 KV, 3-PHASE VERTICAL CONSTRUCTION, 60 TO 90 DEGREE ANGLE, FOR ACSR CONDUCTORS AWG NO. 2 THROUGH 336.4 MCM.			237		17		17
81240EL	POLE TOP ASSEMBLY 13.8 KV 3 PHASE VERTICAL CONSTRUCTION,			141		17		17
81240EM	POLE TOP ASSEMBLY 13.8 KV 3 PHASE VERTICAL CONSTRUCTION,			73		7		7
81240EN	POLE TOP ASSEMBLY 13.8 KV 3 PHASE VERTICAL CONSTRUCTION,			71		7		7
81240EP	POLE TOP ASSEMBLY 13.8 KV 3 PHASE VERTICAL CONSTRUCTION,			70		7		7

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240GA	ELECTRICAL DISTRIBUTION SYSTEM, ONE MILE PRIMARY LINE, 3-PHASE, 3-WIRE, 15 KV, NO. 6 COPPER.	15	16	8,618	152	1,370	754	2,276
81240GB	ELECTRICAL DISTRIBUTION SYSTEM, ONE MILE PRIMARY LINE, 3-PHASE, 3-WIRE, 15 KV, NO. 4 COPPER.	18	36	7,479	181	1,501	928	2,610
81240GC	ELECTRICAL DISTRIBUTION SYSTEM, ONE MILE PRIMARY LINE, 3-PHASE, 3-WIRE, 15 KV, NO. 2 COPPER.	18	19	8,288	196	1,639	972	2,807
81240GD	ELECTRICAL DISTRIBUTION SYSTEM, ONE MILE PRIMARY LINE, 3-PHASE, 3-WIRE, 15 KV, NO. 0 COPPER.	19	25	11,821	225	1,871	1,066	3,162
81240GE	REEFERS AND LOADED CONTAINERS-POWER AND LIGHTNING,GENERAL CARGO PORT-TEMPERATE CLIMATE DWG 1105-1115,SHT 1	713	949	2,829,933	2,039	52,200	2,900	57,139
81240GF	AREA ILLUMINATION, GENERAL CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 1	27	30	93,469	81	1,705		1,786
81240GG	ELEC AERIAL DISTRIBUTION - GENERAL CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 1	29	23	60,429	23	2,320		2,343
81240GH	FIRE PUMP STATION, GENERAL CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 1	10	19	53,428	35	1,183		1,218
81240GJ	PIERS-MAIN FEEDERS AND DISTRIBUTION EQUIPMENT,GENERAL CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 1	27	57	103,840	94	2,100		2,194
81240GK	POWER DISTRIBUTION,DISTRIBUTION EQUIPMENT AND ROADWAY LIGHTING, AMMUNITION CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 2	1,794	2,106	2,393,611	8,329	66,723		75,052
81240GL	LOADED CONTAINER AREA ILLUMINATION,AMMUNITION CARGO PORT TEMPERATE CLIMATE DWG 1105-1115,SHT 2	89	95	333,681	940	5,916		6,856
81240GM	FIRE PUMP STATION, AMMUNITION CARGO PORT TEMPERATE CLIMATE DWG 1105-1115,SHT 2	6	6	36,943	12	522		534

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240GN	PIERS-MAIN FEEDERS, AMMUNITION CARGO PORT TEMPERATE CLIMATE DWG 1105-1115,SHT 2	27	28	74,971	12	1,914		1,926
81240GP	FENCE LIGHTING, AMMUNITION CARGO PORT - TEMPERATE CLIMATE DWG 1105-1115,SHT 2	58	65	293,348	725	5,278		6,003
81240HA	ELECTRICAL DISTRIBUTION SYSTEM FOR 10 REPAIR BAY VEHICLE MAINTENANCE INSTALLATION	19	21	15,370	16	2,487	154	2,657
81240HB	ELECTRICAL DISTRIBUTION SYSTEM FOR 20 REPAIR BAY VEHICLE MAINTENANCE INSTALLATION	28	42	27,991	3	33	3	39
81240HC	ELECTRICAL DISTRIBUTION SYSTEM FOR 375 MAN TROOP CAMP, TEMPORARY STANDARD,ALL CLIMATES,154 KVA	11	12	9,205	87	870	58	1,015
81240HD	ELECTRICAL SYSTEM FOR 500 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES	3	4	993	26	290	35	351
81240HE	ELECTRICAL DISTRIBUTION SYSTEM FOR 500 MAN TROOP CAMP CORRIDORS,TEMPORARY STANDARD,ALL CLIMATES,321 KVA	8	8	3,274	23	261	29	313
81240HF	ELECTRICAL SYSTEM FOR 1000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES	5	5	3,777	35	319	52	406
81240HG	ELECTRICAL DISTRIBUTION SYSTEM FOR 1000 MAN TROOP CAMP CORRIDORS,TEMPORARY STANDARD,ALL CLIMATES,590 KVA	10	11	1,942	32	290	46	368
81240HH	ELECTRICAL SYSTEM FOR PARKING AND MAINTENANCE TEMPORARY STANDARD,ALL CLIMATES	4	4	1,866	26	290	35	351
81240HJ	ELECTRICAL SYSTEM FOR 3000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES	5	5	2,797	44	363	58	465
81240HK	ELECTRICAL DISTRIBUTION SYSTEM FOR 3000 MAN TROOP CAMP	11	10	7,908	41	348	55	444
81240HL	ELECTRICAL DIST SYSTEM FOR 5000 MAN TROOP CAMP HEADQUARTERS TEMPORARY STANDARD,ALL CLIMATES	3	4	2,346	52	394	87	533

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81240HM	ELECTRICAL DISTRIBUTION SYSTEM FOR 5000 MAN TROOP CAMP CORRIDORS,TEMPORARY STANDARD,ALL CLIMATES,2.9 MVA	18	18	8,515	46	383	70	499
81241AA	ELECTRICAL DISTRIBUTION SYSTEM FOR MEDICAL SUPPLY, OPTICAL AND MAINTENANCE UNIT, ALL CLIMATES	39	239	68,886	332	1,656	332	2,320
81242BE	ELECTRICAL DISTRIBUTION FOR SIGINT INSTALLATION ALL CLIMATES,TEMPORARY STANDARD.	29,174	332,893	45,114,371	290	870	870	2,030
81242BF	ELECTRICAL DISTRIBUTION FOR SIGINT STATION	46,648	231,959	73,694,001	145	435	435	1,015
81260AA	TRANSFORMER ASSEMBLY, 5 KVA SINGLE PHASE, 4160-120/240 VOLTS FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	733		70		70
81260AB	TRANSFORMER ASSEMBLY, 10 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	790		73		73
81260AC	TRANSFORMER ASSEMBLY, 15 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	787		75		75
81260AD	TRANSFORMER ASSEMBLY, 25 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	592		80		80
81260AE	TRANSFORMER ASSEMBLY,5KVA SINGLE PHASE,4160-120/240.VOLTS,F OR SELF-PROTECTED TRANSFORMERS	1	1	838		70		70
81260AF	TRANSFORMER ASSEMBLY, 10 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	716		73		73
81260AG	TRANSFORMER ASSEMBLY, 15 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	731		75		75
81260AH	TRANSFORMER ASSEMBLY, 25 KVA SINGLE PHASE, 4160-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	668		80		80
81260AJ	TRANSFORMER ASSEMBLY, 15 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	2	1,276		102		102

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81260AK	TRANSFORMER ASSEMBLY, 30 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	2	1,252		109		109
81260AL	TRANSFORMER ASSEMBLY, 45 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	2	1,543		115		115
81260AM	TRANSFORMER ASSEMBLY, 75 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	2	1,650		122		122
81260AN	TRANSFORMER ASSEMBLY, 112 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	2	1,530		131		131
81260AP	TRANSFORMER ASSEMBLY, 150 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	2	2,259		141		141
81260AR	TRANSFORMER ASSEMBLY, 225 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	3	3	2,898		151		151
81260AT	TRANSFORMER ASSEMBLY, 300 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	3	4	3,491		161		161
81260AU	TRANSFORMER ASSEMBLY, 30 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	2	1,574		109		109
81260AV	TRANSFORMER ASSEMBLY, 45 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	2	1,624		115		115
81260AW	TRANSFORMER ASSEMBLY, 75 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	1,922		122		122
81260AY	TRANSFORMER ASSEMBLY,112 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	1,607		131		131
81260BA	TRANSFORMER ASSEMBLY, 150 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	2,674		141		141
81260BB	TRANSFORMER ASSEMBLY, 225 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	3	3	3,491		151		151

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81260BC	TRANSFORMER ASSEMBLY, 300 KVA THREE PHASE, 4160-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	3	4	4,049		161		161
81260BD	TRANSFORMER ASSEMBLY, 5 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	684		70		70
81260BE	TRANSFORMER ASSEMBLY, 10 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	759		73		73
81260BF	TRANSFORMER ASSEMBLY, 15 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	824		75		75
81260BG	TRANSFORMER ASSEMBLY, 25 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	1	672		80		80
81260BH	TRANSFORMER ASSEMBLY, 10 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	683		73		73
81260BJ	TRANSFORMER ASSEMBLY, 15 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	750		75		75
81260BK	TRANSFORMER ASSEMBLY, 25 KVA SINGLE PHASE, 13800-120/240 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	1	815		80		80
81260BL	TRANSFORMER ASSEMBLY, 15 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	2	1,456		102		102
81260BM	TRANSFORMER ASSEMBLY, 30 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	1	2	1,435		109		109
81260BN	TRANSFORMER ASSEMBLY, 45 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	2	1,630		115		115
81260BP	TRANSFORMER ASSEMBLY, 75 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	2	1,839		122		122
81260BR	TRANSFORMER ASSEMBLY, 112 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	3	2,279		131		131

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81260BT	TRANSFORMER ASSEMBLY, 150 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	2	3	2,456		141		141
81260BU	TRANSFORMER ASSEMBLY, 225 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	3	3	3,155		151		151
81260BV	TRANSFORMER ASSEMBLY, 300 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR EXISTING CONVENTIONAL TRANSFORMERS.	3	4	3,746		161		161
81260BW	TRANSFORMER ASSEMBLY, 30 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	1	2	1,446		109		109
81260BY	TRANSFORMER ASSEMBLY, 45 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	1,649		115		115
81260CA	TRANSFORMER ASSEMBLY, 75 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	1,865		122		122
81260CB	TRANSFORMER ASSEMBLY, 112 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	2	2,320		131		131
81260CC	TRANSFORMER ASSEMBLY, 150 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	2	3	2,504		141		141
81260CD	TRANSFORMER ASSEMBLY, 225 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	3	3	3,230		151		151
81260CE	TRANSFORMER ASSEMBLY, 300 KVA THREE PHASE, 13800-208Y/120 VOLTS, FOR SELF-PROTECTED TRANSFORMERS.	3	4	3,788		161		161
81320AA	SUBSTATION FOR GENERATING PLANT WITH THREE OR FIVE 1500 KW UNITS - 3 FEEDERS AT 4160 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	18	16	11,712	313	2,820	164	3,297
81320AB	SUBSTATION FOR GENERATING PLANT WITH THREE 1500 KW UNITS - 3 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	26	21	12,841	247	3,035	165	3,447

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
81320AC	SUBSTATION FOR GENERATING PLANT WITH NINE OR TWELVE 500 KW UNITS - 4 FEEDERS AT 4160 VOLTS; 3 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	24	18	10,813	71	2,904	135	3,110
81320AD	SUBSTATION FOR GENERATING PLANT WITH FIVE 1500 KW UNITS - 3 FEEDERS AT 4160 VOLTS; 3 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	52	41	23,314	525	5,230	551	6,306
81320AE	SUBSTA 6 MW 6-13800V FDRS CLIM 5 6 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	53	42	23,895	521	5,250	538	6,309
81320AF	SUBSTATION FOR GENERATING PLANT WITH SIX 1500 KW UNITS - 6 FEEDERS AT 4160 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	37	31	29,898	544	6,811	587	7,942
81320AG	SUBSTATION FOR GENERATING PLANT WITH SIX 1500 KW UNITS - 2 FEEDERS AT 4160 VOLTS; 3 FEEDERS AT 13800 VOLTS FOR TEMPORATE, TROPICAL, AND DESERT CLIMATES.	54	42	28,692	639	6,018	557	7,214
81320AH	SUBSTATION FOR GENERATING PLANT WITH SIX 1500 KW UNITS - 6 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	54	42	24,825	638	5,465	551	6,654
81320AJ	SUBSTATION FOR GENERATING PLANT WITH NINE 1500 KW UNITS - 5 FEEDERS AT 4160 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	56	46	43,031	1,697	9,261	639	11,597
81320AK	SUBSTATION FOR GENERATING PLANT WITH NINE 1500 KW UNITS - 6 FEEDERS AT 4160 VOLTS; 3 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	61	50	39,306	1,243	8,420	668	10,331
81320AL	SUBSTATION FOR GENERATING PLANT WITH NINE 1500 KW UNITS - 3 FEEDERS AT 4160 VOLTS; 6 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	70	55	41,890	1,201	8,706	931	10,838
81320AM	SUBSTATION FOR GENERATING PLANT WITH NINE 1500 KW UNITS - 9 FEEDERS AT 13800 VOLTS FOR TEMPERATE, TROPICAL, AND DESERT CLIMATES.	76	59	42,067	909	8,607	751	10,267

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
82140FA	WATER DISTRIBUTION SYSTEM, ALL CLIMATES	2	1	5,869	26	52	52	130
82190AA	HEATER 70,000 BTU. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.			368		29		29
82191BB	BARRACKS, ARCH, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, DESERT/TROPIC CLIM	6	4	920	22	539	168	729
82209AA	STEAM SYSTEM-GEN. CARGO PORT,ONSHORE DWG FP1105-1115,SHT3	19	125	47,913	853	2,936	1,705	5,494
82209AB	STEAM SYSTEM BREAKBULK/RO-RO PIER DWG FP1105-1115,SHT3	19	133	64,284	1,079	2,494	1,682	5,255
82209AC	STEAM SYSTEM-CONTAINER PIER DWG FP1105-1115,SHT 3	23	95	50,430	705	1,654	1,102	3,461
82610BD	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL DISPENSARY NO 3, 30 X 70	1	4	951		41		41
82610BE	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL DISPENSARY NO 2, 30 X 60	1	4	920		55		55
82610BF	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL DISPENSARY NO 1, 30 X 90	1	4	773		55		55
82610BG	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL LABORATORY & DENTAL BLDG NO 3, 30 X 110	2	6	1,263		133		133
82610BH	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL LABORATORY & DENTAL BLDG NO 2, 40 X 110	3	8	1,622		151		151
82610BJ	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL LABORATORY & DENTAL BLDG NO 1, 40 X 120	3	8	1,508		131		131
82610BK	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL EYE, EAR, NOSE, THROAT & PHARMACY BLDG NO 2, 30 X 60	1	4	965		41		41

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
82610BL	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL EYE, EAR, NOSE, THROAT & PHARMACY BLDG NO 1, 30 X 70	1	4	868		58		58
82610BM	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL PHYSICAL MEDICINE BLDG NO 2, 30 X 80	1	4	790		52		52
82610BN	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL PHYSICAL & OCCUPATIONAL THERAPY BLDG NO 1, 40 X 9 0	2	6	1,123		52		52
82610BP	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL WARD BLDG NO 1, STANDARD TYPE, 30 X 100	2	6	1,312		102		102
82610BR	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL WARD BLDG NO 2, ACUTE TYPE 30 X 100	2	6	1,171		87		87
82610BT	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL BARRACKS NO 2, 30 X 60	1	4	907		52		52
82610BU	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL BARRACKS NO 1, 30 X 100	2	6	1,158		75		75
82610BV	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL QUARTERS, MALE OFFICERS NO 2, 30 X 60	1	4	918		41		41
82610BW	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL QUARTERS, FEMALE OFFICERS NO 2, 30 X 60	1	4	910		35		35
82610BY	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL QUARTERS, MALE OFFICERS NO 1, 30 X 100	2	6	1,567		44		44
82610CA	MECHANICAL VENTILATION, TEMPERATE AND TROPICAL CLIMATE, FO R HOSPITAL QUARTERS, FEMALE OFFICERS NO 1, 30 X 100	2	6	1,602		49		49
82610CB	COMFORT ROOF VENTILATION SET FOR 20X48FT WOOD FRAME BARRACK CONSISTING OF THREE 16-IN DIA FANS RATED AT 1600 CFM EACH COMPLETE W/INSTL ACCESSORIES TOTAL AIR EXHAUSTED FROM SPACE 4800 CFM		1	189		6		6

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83110AA	SEWAGE PACKAGE PLANT, COMPLETE MIX ACTIVATED SLUDGE. PRIMARY AND SECONDARY TREATMENT, 25000 GPD SINGLE UNIT	140	302	83,420	100	6,573	435	7,108
83110AB	SEWAGE PACKAGE PLANT, COMPLETE MIX ACTIVATED SLUDGE PRIMARY AND SECONDARY TREATMENT 50000 GPD SINGLE UNIT	172	392	107,220	106	7,337	653	8,096
83110AC	SEWAGE PACKAGE PLANT, COMPLETE MIX ACTIVATED SLUDGE PRIMARY AND SECONDARY TREATMENT 75000 GPD USING 1-25000 GPD AND 1-50000 GPD PLANTS PLACED IN SERIES WITH ALL ANCILLARY EQUIPMENT	263	526	144,585	131	8,497	873	9,501
83110AD	SEWAGE PACKAGE PLANT COMPLETE MIX ACTIVATED SLUDGE PRIMARY AND SECONDARY TREATMENT, 100000 GPD USING 2-50000 GPD PLANTS PLACED IN SERIES WITH ALL ANCILLARY EQUIPMENT	309	625	169,902	141	8,993	1,076	10,210
83110AE	SEWAGE PACKAGE PLANT, COMPLETE MIX ACTIVATED SLUDGE PRIMARY AND SECONDARY TREATMENT, 150000 GPD PLANT USING 3-50000 GPD PLANTS PLACED IN SERIES WITH ALL ANCILLARY EQUIPMENT	413	830	218,355	177	11,000	1,508	12,685
83110AV	SLUDGE DRYING BED, 30000 GAL PER DAY, UNIT FOR SEWAGE DISPOSAL PLANT		1	425	17	55	276	348
83110AW	SLUDGE DRYING BED, 100000 GAL PER DAY, UNIT FOR SEWAGE DISPOSAL PLANT	1	2	1,135	26	165	421	612
83110BA	CHLORINATION, VOLUMETIC METERING FOR 25000 GPD PLANT	5	7	5,578	3	90	41	134
83110BB	CHLORINATION, VOLUMETIC METERING FOR 50000 GPD PLANT	6	10	10,584	3	90	41	134
83110BC	CHLORINATION, VOLUMETIC METERING FOR 100000 GPD PLANT	8	17	20,649	3	102	58	163

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83110BD	CHLORINATION, VOLUMETRIC METERING FOR 200000 GPD PLANT	11	32	40,829	4	109	70	183
83110BE	CHLORINATION, VOLUMETRIC METERING FOR 300000 GPD PLANT	13	43	48,921	4	123	81	208
83120AA	SEPTIC TANK 500 GPD, CONCRETE	6	5	740	4	94	17	115
83120AB	SEPTIC TANK 1000 GPD, CONCRETE	11	9	2,540	4	197	26	227
83120AC	SEPTIC TANK 10000 GPD, CONCRETE	27	20	4,526	10	312	46	368
83120AE	SEPTIC,TANK,USALWL,4FT X 4FT X 2FT, 200 GAL. WITH TANK LID, INLET ASSEMBLY AND PIPES		1	231			6	6
83120AF	SEPTIC TANK, 500 GALLONS, COMPLETE W/DRAIN FIELD	1	1	1,261		36	435	471
83120BA	SIPHON CHAMBER, 1000 GPD, 60 MINUTE GROUND PERCOLATION TIME	2	2	800	3	87	13	103
83120BB	SIPHON CHAMBER, 10000 GPD, 1 MINUTE GROUND PERCOLATION TIME	4	4	1,518	3	120	17	140
83120BC	SIPHON CHAMBER, 10000 GPD, 15 MINUTE GROUND PERCOLATION TIME	6	5	1,688	3	136	26	165
83120BD	SIPHON CHAMBER 10000 GPD 60 MINUTE GROUND PERCOLATION TIME	13	11	2,472	4	210	35	249
83120BE	CHLORINE CONTACT CHAMBER,WOOD CONSTRUCTION.LENGTH 4FT. 8IN DEPTH 2FT.6IN. 25000 GAL. PER DAY DESIGN FLOW	2	3	476	3	87	12	102
83120BF	CHLORINE CONTACT CHAMBER,WOOD CONSTRUCTION LENGTH 4FT 8IN DEPTH 4FT. 9IN. 50000 GAL. PER DAY DESIGN FLOW.	3	3	526	3	104	12	119
83120BG	CHLORINE CONTACT CHAMBER,WOOD CONSTRUCTION.LENGTH 8FT.10IN DEPTH 5FT.0IN.100000 GAL. PER DAY DESIGN FLOW	4	5	784	3	116	15	134

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83120BH	CHLORINE CONTACT CHAMBER,WOOD CONSTRUCTION LENGTH 17FT 5IN DEPTH 5FT. 0IN. 200000 GAL. PER DAY DESIGN FLOW.	7	8	1,212	3	128	15	146
83120BJ	CHLORINE CONTACT CHAMBER,WOOD CONSTRUCTION.LENGTH 25FT.11IN DEPTH 5FT.0IN.300000 GAL. PER DAY DESIGN FLOW	9	11	1,628	3	139	17	159
83120BK	DOSING TANK,WOOD CONSTRUCTION 1000GAL.PER DAY.EFFECTIVE TANK VOLUME 36.36 CUBIC FEET LENGTH 4FT-4IN. 60MINUTES PERC TIME FOR 1INCH FALL	1	2	467	3	116	15	134
83120BL	DOSING TANK,WOOD CONSTRUCTION 10000GAL PER DAY EFFECTIVE TANK VOLUME 65.45CUBIC FEET LENGTH 4FT 4IN. 1 MINUTE PERC TIME FOR 1INCH FALL.	2	2	776	3	128	17	148
83120BM	DOSING TANK,WOOD CONSTRUCTION 10000GAL.PER DAY.EFFECTIVE TANK VOLUME 93.50CUBIC FEET LENGTH 6FT-2IN. 2 MINUTES PERC TIME FOR 1INCH FALL	2	3	818	3	139	20	162
83120BN	DOSING TANK,WOOD CONSTRUCTION 10000GAL PER DAY EFFECTIVE TANK VOLUME 112.84CUBIC FEET LENGTH 7FT 5IN. 3 MINUTES PERC TIME FOR 1INCH FALL.	2	3	855	3	151	23	177
83120BP	DOSING TANK,WOOD CONSTRUCTION 10000GAL.PER DAY.EFFECTIVE TANK VOLUME 130.90CUBIC FEET LENGTH 8FT-8IN. 4 MINUTES PERC TIME FOR 1INCH FALL	3	3	893	4	162	26	192
83120BR	DOSING TANK,WOOD CONSTRUCTION 10000GAL PER DAY EFFECTIVE TANK VOLUME 148.75CUBIC FEET LENGTH 9FT10IN. 5 MINUTES PERC TIME FOR 1INCH FALL.	3	3	925	4	174	26	204
83120BT	DOSING TANK,WOOD CONSTRUCTION 10000 GAL.PER DAY.EFFECTIVE TANK VOLUME 136.35CUBIC FEET LENGTH 9FT-0IN. 10 MINUTES PERC TIME FOR 1INCH FALL	3	3	901	4	186	29	219
83120BU	DOSING TANK,WOOD CONSTRUCTION 10000 GAL PER DAY EFFECTIVE TANK VOLUME 167.82CUBIC FEET LENGTH11FT-0IN. 15 MINUTES PERC TIME FOR 1INCH FALL.	3	4	962	4	197	29	230

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83120BV	DOSING TANK,WOOD CONSTRUCTION 10000 GAL.PER DAY EFFECTIVE TANK VOLUME 242.41 CUBIC FEET LENGTH15FT-10IN. 30MINUTES PERC TIME FOR 1INCH FALL	4	5	1,104	6	209	32	247
83120BW	DOSING TANK,WOOD CONSTRUCTION 10000 GAL PER DAY EFFECTIVE TANK VOLUME 272.71 CUBIC FEET LENGTH17FT-10IN. 45MINUTES PERC TIME FOR 1INCH FALL.	4	5	1,165	6	220	32	258
83120BY	DOSING TANK,WOOD CONSTRUCTION 10000 GAL.PER DAY EFFECTIVE TANK VOLUME 363.61 CUBIC FEET LENGTH23FT-9IN. 60 MINUTES PERC TIME FOR 1INCH FALL	5	6	1,284	6	232	32	270
83120CA	SEPTIC TANK,WOOD CONSTRUCTION. 500 GAL.PER DAY FLOW LENGTH 6FT- 0IN. WIDTH 4FT- 0IN WATER DEPTH 4FT-2IN	2	3	612	4	104	15	123
83120CB	SEPTIC TANK,WOOD CONSTRUCTION. 1000 GAL.PER DAY FLOW LENGTH 5FT- 6IN. WIDTH 5FT- 0IN WATER DEPTH 5FT-0IN	3	4	1,127	4	209	23	236
83120CC	SEPTIC TANK,WOOD CONSTRUCTION.10000 GAL.PER DAY FLOW LENGTH 14FT-10IN WIDTH 8FT- 0IN WATER DEPTH 6FT-6IN	9	11	2,525	10	363	38	411
83120DA	SEWAGE, OPTICAL FABRICATING SHOP AND MEDICAL MAINTENANCE SHOPS, ALL CLIMATES			176	15	23	29	67
83140AA	AERATED SEWAGE LAGOON 1 ROW 2-5 HP AERATORS WITHOUT LINER	70	134	35,878	383	7,334	392	8,109
83140AB	AERATED SEWAGE LAGOON 1 ROW 3-5 HP AERATORS WITHOUT LINER	74	157	42,101	397	8,577	400	9,374
83140AC	AERATED SEWAGE LAGOON 1 ROW 2-10 HP AERATORS WITHOUT LINER	69	131	35,639	545	7,337	409	8,291
83140AD	AERATED SEWAGE LAGOON 1 ROW 3-10 HP AERATORS WITHOUT LINER	73	155	41,741	738	8,584	444	9,766
83140AE	AERATED SEWAGE LAGOON 1 ROW 2-20 HP AERATORS WITHOUT LINER	70	133	35,989	1,037	7,350	487	8,874

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83140AF	AERATED SEWAGE LAGOON 1 ROW 3-20 HP AERATORS WITHOUT LINER	74	158	42,325	1,453	8,601	548	10,602
83140AG	AERATED SEWAGE LAGOON 2 ROW 3-20 HP AERATORS WITHOUT LINER	81	183	42,732	2,948	10,101	777	13,826
83140AH	AERATED SEWAGE LAGOON 1 ROW 2-30 HP AERATORS WITHOUT LINER	71	135	36,385	1,540	7,360	548	9,448
83140AJ	AERATED SEWAGE LAGOON 1 ROW 3-30 HP AERATORS WITHOUT LINER	75	158	42,412	2,066	8,601	639	11,306
83140AK	AERATED SEWAGE LAGOON 2 ROW 3-30 HP AERATORS WITHOUT LINER	89	226	63,021	4,085	10,109	953	15,147
83140BA	AERATED SEWAGE LAGOON 1 ROW 2-5 HP AERATORS WITH LINER	78	175	41,611	389	7,356	870	8,615
83140BB	AERATED SEWAGE LAGOON 1 ROW 3-5 HP AERATORS WITH LINER	81	197	47,237	403	8,599	885	9,887
83140BC	AERATED SEWAGE LAGOON 1 ROW 2-10 HP AERATORS WITH LINER	80	188	43,503	551	7,373	1,044	8,968
83140BD	AERATED SEWAGE LAGOON 1 ROW 3-10 HP AERATORS WITH LINER	86	227	51,683	745	8,616	1,270	10,631
83140BE	AERATED SEWAGE LAGOON 1 ROW 2-20 HP AERATORS WITH LINER	87	227	48,598	1,044	7,395	1,583	10,022
83140BF	AERATED SEWAGE LAGOON 1 ROW 3-20 HP AERATORS WITH LINER	96	282	59,023	1,462	8,715	1,984	12,161
83140BG	AERATED SEWAGE LAGOON 2 ROW 3-20 HP AERATORS WITH LINER	121	417	74,480	2,961	10,178	3,480	16,619
83140BH	AERATED SEWAGE LAGOON 1 ROW 2-30 HP AERATORS WITH LINER	92	260	53,234	1,549	7,436	2,001	10,986

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83140BJ	AERATED SEWAGE LAGOON 1 ROW 3-30 HP AERATORS WITH LINER	104	328	65,168	2,076	8,696	2,598	13,370
83140BK	AERATED SEWAGE LAGOON 2 ROWS 3-30 HP AERATORS WITH LINER	136	502	86,118	4,099	10,196	4,628	18,923
83140CA	CONVENTIONAL SEWAGE LAGOON 1/2 ACRE WITHOUT LINER	57	117	26,878	173	5,662	278	6,113
83140CB	CONVENTIONAL SEWAGE LAGOON 1 ACRE WITHOUT LINER	57	117	26,878	315	5,667	305	6,287
83140CC	CONVENTIONAL SEWAGE LAGOON 2 ACRES WITHOUT LINER	57	118	27,433	592	5,680	383	6,655
83140CD	CONVENTIONAL SEWAGE LAGOON 3 ACRES WITHOUT LINER	57	118	27,041	864	5,693	461	7,018
83140DA	CONVENTIONAL SEWAGE LAGOON 1/2 ACRE WITH LINER	63	147	30,726	177	5,690	592	6,459
83140DB	CONVENTIONAL SEWAGE LAGOON 1 ACRE WITH LINER	67	168	34,101	320	5,726	882	6,928
83140DC	CONVENTIONAL SEWAGE LAGOON 2 ACRES WITH LINER	74	210	39,352	599	5,761	1,450	7,810
83140DD	CONVENTIONAL SEWAGE LAGOON 3 ACRES WITH LINER	80	249	44,650	873	5,758	1,989	8,620
83190AA	CESSPOOLS 20 PLACED IN GRID, 55 GAL DRUMS PROCURED LOCALLY.	10	8	996	16	145	226	387
83190AB	CESSPOOLS 30 PLACED IN GRID, 55 GAL DRUMS PROCURED LOCALLY.	15	12	1,387	23	228	348	599
83190AC	CESSPOOLS 100 PLACED IN GRID, 55 GAL DRUMS PROCURED LOCALLY	49	41	4,199	77	634	1,079	1,790
83190AD	CESSPOOLS 200 PLACED IN GRID, 55 GAL DRUMS PROCURED LOCALLY	96	81	8,387	160	1,412	2,401	3,973
83201AA	SEWAGE COLLECTION SYSTEM, MATERIAL FOR ONE MILE OF 4 IN PIPE	2	4	4,117	658	1,285	751	2,694

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83201AB	SEWAGE COLLECTION SYSTEM, MATERIAL FOR ONE MILE OF 6 IN PIPE	15	50	17,963	658	1,285	751	2,694
83210AA	SANITARY SYSTEM-GEN CARGO PORT,ONSHORE DWG FP1105-1115,SHT3	3	21	21,840		1,096	548	1,644
83210BA	PNEUMATIC EJECTOR LIFT STATION FOR 25000 GPD PLANT	13	48	11,951	12	290	70	372
83210BB	PNEUMATIC EJECTOR LIFT STATION FOR 50000 GPD PLANT	13	47	14,283	12	290	70	372
83210BC	PNEUMATIC EJECTOR LIFT STATION FOR 75000 GPD PLANT	14	47	16,777	12	290	70	372
83210BD	PNEUMATIC EJECTOR LIFT STATION FOR 100000 GPD PLANT	14	47	19,777	12	290	70	372
83210BE	PNEUMATIC EJECTOR LIFT STATION FOR 150000 GPD PLANT	14	47	21,831	12	302	70	384
83210DA	SANITARY SYSTEM FOR 125 MAN TROOP CAMP, TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	4	9	3,767	46	123	109	278
83210DB	SANITARY SYSTEM FOR 250 MAN TROOP CAMP TEMPORARY STANDARD ALL CLIMATES 30 GPD	4	9	4,025	73	254	218	545
83210DC	SANITARY DISTRIBUTION SYSTEM FOR 375 MAN TROOP CAMP, TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	4	10	4,269	109	421	363	893
83210DD	SANITARY SYSTEM FOR 500 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	1	1	617	41	131	116	288
83210DE	SANITARY DISTRIBUTION SYSTEM FOR 500 MAN TROOP CAMP CORRIDORS,TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	4	10	4,190	35	104	99	238
83210DF	SANITARY SYSTEM FOR 1000 MAN TROOP CAMP HEADQUARTERS TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	1	2	947	93	261	174	528
83210DG	SANITARY DISTRIBUTION SYSTEM FOR 1000 MAN TROOP CAMP CORRIDORS,TEMPORARY STANDARD,ALL CLIMATES,30 GPCD	4	13	5,100	128	319	290	737
83210DH	SANITARY SYSTEM FOR PARKING " MAINTENANCE, TEMPORARY STANDARD,ALL CLIMATES			73	36	116	104	256

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
83210DJ	SANITARY SYSTEM FOR 3000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD, ALL CLIMATES, 30 GPCD		2	810	131	363	319	813
83210DK	SANITARY DISTRIBUTION SYSTEM FOR 3000 MAN TROOP CAMP CORRIDORS, TEMPORARY STANDARD, ALL CLIMATES, 30 GPCD	40	57	38,102	104	348	305	757
83210DM	SANITARY SYSTEM FOR 5000 MAN TR CP CORR. TEMPORARY STANDARD, ALL CLIMATES, 30 GPCD	101	208	59,306	145	394	394	933
83210DN	SANITARY SYS FOR 5000 MAN TROOP CAMP TEMPORARY STANDARD ALL CLIMATES 30 GPD	3	8	3,399	110	383	319	812
83210HB	SANITARY DISTRIBUTION SYSTEM FOR 250 MAN TROOP CAMP, ALL CLIMATES, TEMPORARY STANDARD, 30 GPCD	3	9	3,844				
84101AA	WATER SUPPLY TRANSMISSION, PIPING < EQUIPMENT FOR ONE MILE OF MAIN FROM EXISTING SOURCE OF SUPPLY	11	20	11,728	957	1,131	305	2,393
84110AA	INTERIORS FOR CHEMICAL STORAGE & ERDLATOR BLDG, 20 X 40, 60,000 GPD, TROPICAL CLIMATE	10	43	46,796		399	174	573
84110AD	INTERIOR FOR CHEMICAL STORAGE & ERDLATOR BLDG, 20 X 50, 120,000 GPD, TROPICAL CLIMATE	19	84	90,328		683	174	857
84110AF	CHEMICAL STORAGE & ERDLATOR BLDG, STEEL FRAME BLDG W/INTERIOR, 20X40X8, 60000 GPD, TROP CLIM	19	56	56,467	32	690	367	1,089
84110AJ	CHEMICAL STORAGE & ERDLATOR BLDG. STL FRAME BLDG W/INTERIOR, 20X50X8, 120000 GPD, TROP CLIMATE,	29	139	101,034	39	1,038	413	1,490
84110AL	CHEMICAL STORAGE & ERDLATOR BLDG, WOOD FRAME BLDG W/INTERIOR, 20X40X8, 60000 GPD, TROP CLIM	32	69	51,387	41	889	313	1,243
84110AP	CHEMICAL STORAGE & ERDLATOR BLDG, WOOD FRAME BLDG W/INTERIOR, 20X50X8, 120000 GPD, TROP CLIM	46	116	96,014	45	1,264	345	1,654
84110BA	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8, 60,000 GPD, TEMP CLIM	20	64	52,843				

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
84110BB	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, 120,000 GPD, TEMP CLIM	33	102	96,601				
84110BC	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8, 60,000 GPD, DESERT/TROPIC CLIM	16	47	46,924				
84110BD	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, 120,000 GPD, DESERT/TROPIC CLIM	26	89	90,488				
84110BE	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 40 BY 8, 60,000 GPD, FRIGID CLIM	20	64	52,843				
84110BF	CHEMICAL STORAGE AND ERDLATOR BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, 120,000 GPD, FRIGID CLIM	33	102	96,601				
84120AA	DEEP WELL WATER SUPPLY UNIT, SMALL, W/3-60 GAL PER MIN PUMPS & 6000 GAL STORAGE	6	12	16,716	574	65	334	973
84120AB	DEEP WELL WATER SUPPLY UNIT, LARGE, W/200 GAL PER MIN PUMP & 500 BARREL STORAGE	21	47	24,204	702	187	319	1,208
84120AC	WATER TANK AND TOWER, 4200 GAL WITH ACCESSORIES	9	22	7,950		152	6	158
84120AD	WATER TANK AND TOWER, 10500 GAL WITH ACCESSORIES	8	18	7,415		348		348
84120AE	WATER TANK AND TOWER, 21000 GAL WITH ACCESSORIES	19	26	9,012		609		609
84210EH	WATER DISTRIBUTION MAIN, ONE MILE OF 2 IN PIPE W/FITTINGS	10	5	7,601	1,015	638	290	1,943
84210EJ	WATER DISTRIBUTION MAIN, ONE MILE OF 4 IN PIPE W/FITTINGS	30	19	18,892	950	1,102	290	2,342
84210EK	WATER DISTRIBUTION MAIN, ONE MILE OF 6 IN PIPE W/FITTINGS	53	52	50,733	1,030	1,421	290	2,741

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
84210EL	WATER SUPPLY PIPELINE, SMALL, W/100 GAL PER MIN GED PUMP, ONE MILE OF 4 IN PIPE & FITTINGS	11	20	9,690	957	1,160	334	2,451
84210EM	WATER SUPPLY PIPELINE, MEDIUM, W/200 GAL PER MIN GED PUMP, ONE MILE OF 6 IN PIPE & FITTINGS	26	43	27,602	1,037	1,566	363	2,966
84210EN	WATER SUPPLY PIPELINE, LARGE, W/480 GAL PER MIN GED PUMP, ONE MILE OF 8 IN PIPE & FITTINGS	33	79	38,895	1,088	2,045	471	3,604
84210EP	WATER SUPPLY EQUIPMENT PORTABLE 45,000 GPD,ONE DIVISION, SLICE COMBAT ZONE	15	109	71,684			6	6
84210GA	PORT.WATER SYST-GEN CARGO PORT,ONSHORE DWG FP1105-1115,SHT3	12	245	1,548,649		4,794	4,794	9,588
84210HA	WATER DISTRIBUTION SYSTEM FOR 125 MAN TROOP CAMP, TEMPORARY STANDARD ALL CLIMATES, 50 GPCD	2	3	2,640	145	290	290	725
84210HB	WATER DISTRIBUTION SYSTEM FOR 250 MAN TROOP CAMP, ALL CLIMATES,TEMPORARY STANDARD,50 GPCD	2	3	2,972	290	725	508	1,523
84210HC	WATER DISTRIBUTION SYSTEM FOR 375 MAN TROOP CAMP, TEMPORARY STANDARD,ALL CLIMATES,50 GPCD		5	1,948	363	870	696	1,929
84210HD	WATER DISTRIBUTION SYSTEM FOR 500 MAN TROOP CAMP HEAD-QUARTERS,TEMPORARY STANDARD,ALL CLIMATES,50 GPCD		1	550	41	145	145	331
84210HE	WATER DISTRIBUCTION SYSTEM FOR 500 MAN TROOP CAMP CORRIDORS TEMPORARY STANDARD,ALL CLIMATES,50 GPCD		5	1,144	35	131	131	297
84210HF	WATER SYSTEM FOR 1000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES,50 GPCD		3	1,142	46	160	160	366
84210HG	WATER DISTRIBUTION SYSTEM FOR 1000 MAN TROOP CAMP CORRIDORS TEMPORARY STANDARD,ALL CLIMATES,50 GPCD	1	9	1,857	44	145	145	334
84210HH	WATER SYSTEM FOR PARKING " MAINTENANCE MOTOR POOL TEMPORARY STANDARD,ALL CLIMATES			186	186	406	313	905

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
84210HJ	WATER SYSTEM FOR 3000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES,50 GPCD	2	4	1,063	58	232	232	522
84210HK	WATER DISTRIBUTION SYSTEM FOR 3000 MAN TROOP CAMP CORRIDORS TEMPORARY STANDARD,ALL CLIMATES,50 GPCD	1	21	3,191	55	203	203	461
84210HL	WATER SYSTEM FOR 5000 MAN TROOP CAMP HEADQUARTERS, TEMPORARY STANDARD,ALL CLIMATES,50 GPCD	2	2	884	64	261	261	586
84210HM	WATER DISTRIBUTION SYSTEM FOR 5000 MAN TROOP CAMP CORRIDORS TEMPORARY STANDARD,ALL CLIMATES,50 GPCD	2	29	4,685	61	218	232	511
84210KA	WATER SYSTEM FOR MEDICAL SUPPLY, OPTICAL AND MAINTENANCE UNITS, ALL CLIMATES	1	3	3,799	90	426	90	606
84290AA	TANKER WATERING SERVICE FACILITIES, WITH 42000 GALLON WATE R STORAGE TANK, 245 GPM CENTRIFUGAL PUMP AND 3 PHASE POWER-200 AMP RECEPTACLE FOR POL DOCKS AND JETTIES.	8	28	18,849		1,160	189	1,349
84330AA	FIRE FIGHTING EQUIPMENT,SET NUMBER 18		42	38,953		49		49
84330AB	SUMP FOR FIRE PROTECTION, 2000 GAL	2	2	48	6	32	35	73
84330AC	SUMP FOR FIRE PROTECTION, 10000 GAL	7	5	145	23	157	168	348
84330AD	FIREFIGHTING SYSTEM EQUIPMENT,FOAM FOR POL,COMPLETE W/3000 GAL WATER STORAGE PUMP&DISPENSING EQUIPMENT.	1	5	17,434		46		46
84330AE	FIREFIGHTING SYSTEM EQUIPMENT,FOAM,FOR POL,COMPLETE W/10000 GAL WATER STORAGE,PUMP&DISPENSING EQUIPMENT	1	5	16,777		49		49
84330AF	FIRE WATER SYST-GEN&CARGO PORT,ONSHORE DWG FP1105-1115,SHT3	206	222	570,022	2,523	4,846	2,523	9,892
84330AG	FIRE WATER SYSTEM-LIGHTERAGE PIER DWG FP1105-1115,SHT3	7	22	11,820	174	286	235	695
84330AH	FIRE WATER SYSTEM-BREAKBULK/RO-RO PIER DWG FP1105-1115,SHT3	53	185	242,806	705	2,018	1,378	4,101

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
84330AJ	FIRE WATER SYST-SERV&PORT VESSEL PIERS DWG FP1105-1115,SHT3	12	35	22,625	232	577	534	1,343
84330AK	FIRE WATER SYSTEM-CONTAINER PIER DWG FP1105-1115,SHT 3	38	320	144,298	583	1,726	1,254	3,563
84330AL	FIRE WATER SYST-AMMUNUNIT.PORT,ONSHORE DWG FP1105-1115,SHT4	519	661	3,930,813	3,189	6,090	3,189	12,468
84520AA	SEAWATER SYSTEM-GEN CARGO PORT,ONSHORE DWG FP1105-1115,SHT3	1	4	3,484		394	394	788
84520AB	SEAWATER SYSTEM-BREAKBULK/RO-RO PIER DWG FP1105-1115,SHT3	1	6	6,786	61	339	273	673
85110AA	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1/2-IN. SINGLE BITUMINOIS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	743	558	7,838	342		61	403
85110AB	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	776	597	9,088	423		74	497
85110AC	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	945	753	12,618	490		174	664
85110AD	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,104	883	14,851	571		226	797
85110AE	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,234	993	16,940	632		265	897
85110AF	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,290	1,064	19,548	737		305	1,042
85110AG	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,323	1,097	20,433	818		357	1,175

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110AH	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,373	1,151	21,940	879		396	1,275
85110AJ	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,636	1,375	26,479	983		435	1,418
85110AK	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,668	1,407	27,364	1,064		487	1,551
85110AL	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	943	752	12,680	476		174	650
85110AM	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,101	881	14,935	557		226	783
85110AN	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,231	991	17,044	618		265	883
85110AP	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,286	1,061	19,673	708		305	1,013
85110AR	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,4-IN. STABILIZED SURFACE,COMBAT BN CONSTR	785	530	3,925	305		104	409
85110AT	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,6-IN. STABILIZED SURFACE,COMBAT BN CONSTR	1,189	803	5,945	397		110	507
85110AU	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,8-IN. STABILIZED SURFACE,COMBAT BN CONSTR	1,570	1,060	7,850	537		116	653

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110AV	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1/2-IN. SINGLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	641	480	6,659	296		52	348
85110AW	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	668	512	7,695	373		65	438
85110AY	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN ABD SUP CO CONSTR	824	655	10,888	438		157	595
85110BA	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	963	769	12,846	499		196	695
85110BB	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,077	865	14,668	531		235	766
85110BC	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,126	927	16,926	660		274	934
85110BD	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,184	956	17,697	721		313	1,034
85110BE	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABLIZED BASE,COMBAT BN AND SUP CO CONSTR	1,199	1,003	19,016	780		352	1,132
85110BF	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,428	1,198	22,963	860		378	1,238
85110BG	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,456	1,227	23,735	940		431	1,371

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110BH	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	822	654	10,943	426		157	583
85110BJ	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	961	767	12,920	487		196	683
85110BK	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,074	863	14,759	519		235	754
85110BL	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	1,123	924	17,035	648		274	922
85110BM	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,4-IN. STABILIZED SURFACE,COMBAT BN CONSTR	687	464	3,435	274		93	367
85110BN	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,6-IN. STABILIZED SURFACE,COMBAT BN CONSTR	1,040	702	5,200	349		99	448
85110BP	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,8-IN. STABILIZED SURFACE,COMBAT BN CONSTR.	1,374	927	6,870	477		104	581
85110BR	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1/2-IN. SINGLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	407	299	3,775	196		35	231
85110BT	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	399	300	4,186	245		44	289
85110BU	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	522	411	6,551	289		104	393

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110BV	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	612	484	7,808	331		131	462
85110BW	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	685	546	8,980	370		157	527
85110BY	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	715	583	10,319	418		170	588
85110CA	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	732	601	10,812	476		209	685
85110CB	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	761	631	11,659	499		222	721
85110CC	ROAD PAVEMENT,ONE 10-FT LANE.CLASS C,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	907	754	14,086	561		248	809
85110CD	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	925	773	14,580	602		274	876
85110CE	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	521	410	6,587	280		104	384
85110CF	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	611	483	7,855	322		131	453
85110CG	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	683	544	9,039	361		157	518

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110CH	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	712	581	10,389	400		170	570
85110CJ	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,4-IN. STABILIZED SURFACE,COMBAT BN CONSTR	442	298	2,210	178		58	236
85110CK	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,6-IN. STABILIZED SURFACE,COMBAT BN CONSTR	669	452	3,345	220		64	284
85110CL	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,8-IN. STABILIZED SURFACE,COMBAT BN CONSTR	883	596	4,415	297		64	361
85110CM	HARDSTAND,1000 SQ YD,1/2-IN.SINGLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	45	35	543	48		9	57
85110CN	HARDSTAND,APRON,TAXIWAY OR RUNWAY PAVEMENT 1000 SQ.YDS.1IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON PRIMED 4IN.STABILIZED BASE.	51	38	498	61		29	90
85110CP	HARDSTAND,1000 SQ YD,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	52	43	776	52		17	69
85110CR	HARDSTAND,1000 SQ YD,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	61	50	891	74		30	104
85110CT	HARDSTAND,1000 SQ YD,2+1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	68	55	997	74		30	104
85110CU	HARDSTAND,1000 SQ YD,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	72	60	1,180	77		30	107

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110CV	HARDSTAND,1000 SQ YD,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	74	62	1,220	96		44	140
85110CW	HARDSTAND,1000 SQ YD,4-IN.HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	76	65	1,305	97		44	141
85110CY	HARDSTAND,1000 SQ YD,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	91	78	1,585	103		44	147
85110DA	HARDSTAND,1000 SQ YD,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	93	80	1,624	123		57	180
85110DB	HARDSTAND,1000 SQ YD,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	52	43	779	51		17	68
85110DC	HARDSTAND,1000 SQ YD,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	61	50	896	71		30	101
85110DD	HARDSTAND,1000 SQ YD,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	68	55	1,003	71		30	101
85110DE	HARDSTAND,1000 SQ YD,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON PRIMED 4-IN. STABILIZED BASE,COMBAT BN AND SUP CO CONSTR	72	60	1,187	74		30	104
85110DF	HARDSTAND,1000 SQ YD,4-IN. STABILIZED SURFACE,COMBAT BN CONSTR	42	28	210	35		12	47
85110DG	HARDSTAND,APRON,TAXIWAY OR RUNWAY PAVEMENT 1000 SQ YDS. STABILIZED SURFACE.	100	68	500	39		15	54

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110DH	HARDSTAND,1000 SQ YD,8-IN. STABILIZED SURFACE,COMBAT BN CONSTR	84	57	420	58		12	70
85110DJ	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1/2-IN. SINGLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	225	221	8,457	635		508	1,143
85110DK	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	259	260	10,052	716		521	1,237
85110DL	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANCE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	428	416	13,063	774		621	1,395
85110DM	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	587	546	15,296	856		673	1,529
85110DN	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	717	656	17,385	916		712	1,628
85110DP	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	773	727	19,993	1,021		751	1,772
85110DR	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	805	760	20,878	1,102		803	1,905
85110DT	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	856	813	22,385	1,163		842	2,005
85110DU	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANCE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	1,104	1,017	25,964	1,267		882	2,149

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110DV	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	1,136	1,050	26,849	1,349		934	2,283
85110DW	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	426	415	13,125	760		621	1,381
85110DY	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	584	544	15,379	841		673	1,514
85110EA	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	713	653	17,489	902		712	1,614
85110EB	ROAD PAVEMENT,TWO 12-FT LANES,CLASS A,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	769	724	20,118	987		751	1,738
85110EC	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1/2-IN. SINGLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	200	202	8,217	615		503	1,118
85110ED	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	226	234	9,542	677		516	1,193
85110EE	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	383	377	12,300	748		608	1,356
85110EF	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	522	491	14,258	809		647	1,456
85110EG	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	636	587	16,079	870		686	1,556

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110EH	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	689	655	18,637	972		725	1,697
85110EJ	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	717	684	19,409	1,032		764	1,796
85110EK	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	762	731	20,728	1,093		803	1,896
85110EL	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	987	920	24,375	1,172		829	2,001
85110EM	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	1,015	949	25,146	1,251		882	2,133
85110EN	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	381	376	12,354	737		608	1,345
85110EP	ROAD PAVEMENT,TWO 10-FT LANES-CLASS B,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	519	489	14,331	798		647	1,445
85110ER	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	633	585	16,170	858		686	1,544
85110ET	ROAD PAVEMENT,TWO 10-FT LANES,CLASS B,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	693	663	19,257	945		725	1,670
85110EU	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1/2-IN. SINGLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	132	135	5,989	413		345	758

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110EV	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-IN. MULTIPLE BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	124	136	6,544	463		354	817
85110EW	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	247	246	8,691	503		415	918
85110EY	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	337	320	9,948	544		441	985
85110FA	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	410	381	11,120	584		467	1,051
85110FB	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	439	418	12,459	632		480	1,112
85110FC	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	457	437	12,952	692		519	1,211
85110FD	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	486	467	13,799	713		532	1,245
85110FE	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	631	590	16,226	776		558	1,334
85110FF	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	649	608	16,720	816		584	1,400
85110FG	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	246	246	8,726	494		415	909

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110FH	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	336	319	9,995	535		441	976
85110FJ	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	408	380	11,179	576		467	1,043
85110FK	ROAD PAVEMENT,ONE 10-FT LANE,CLASS C,ONE MILE,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	437	417	12,529	615		480	1,095
85110FL	HARDSTAND,1000 SQ YD,1/2-IN. SINGLE-BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	16	16	586	73		54	127
85110FM	HARDSTAND,1000 SQ YD,1-IN. MULTIPLE-BITUMINOUS SURFACE TREATMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	19	19	711	73		54	127
85110FN	HARDSTAND,1000 SQ YD,1-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	24	24	806	77		62	139
85110FP	HARDSTAND,1000 SQ YD,2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	32	31	921	97		75	172
85110FR	HARDSTAND,1000 SQ YD,2-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	39	36	1,027	97		75	172
85110FT	HARDSTAND,1000 SQ YD,3-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	43	41	1,210	100		75	175
85110FU	HARDSTAND,1000 SQ YD,3-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	45	43	1,250	119		88	207

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85110FV	HARDSTAND,1000 SQ YD,4-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	47	46	1,335	120		88	208
85110FW	HARDSTAND,1000 SQ YD,4-1/2-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	62	59	1,615	126		88	214
85110FY	HARDSTAND,1000 SQ YD,5-IN. HOT-MIX BITUMINOUS CONCRETE PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	64	61	1,654	146		102	248
85110GA	HARDSTAND,1000 SQ YD,1-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	23	24	809	73		62	135
85110GB	HARDSTAND,1000 SQ YD,2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	32	30	926	94		75	169
85110GC	HARDSTAND,1000 SQ YD,2-1/2-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	39	36	1,032	94		75	169
85110GD	HARDSTAND,1000 SQ YD,3-IN. COLD-MIX BITUMINOUS PAVEMENT ON MEMBRANE-ENVELOPED SOIL LAYER,COMBAT BN AND SUP CO CONSTR	43	41	1,217	97		75	172
85111AA	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,2-IN. HOT-MIX BITUM CONC ON 4-IN.STABILIZED BASE	704	559	9,144	396		161	557
85111AB	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,3-IN. HOT-MIX BITUM CONC ON 4-IN.STABILIZED BASE	826	677	12,146	487		200	687
85111AC	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,2-IN. HOT-MIX BITUM CONC ON 6-IN.STABILIZED BASE	882	686	10,479	480		174	654

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85111AD	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,3-IN. HOT-MIX BITUM CONC ON 6-IN.STABILIZED BASE	1,005	804	13,481	571		213	784
85111AL	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,2-IN. HOT-MIX BITUM CONC ON 4-IN.STABILIZED BASE	95	77	1,359	58		25	83
85111AM	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,3-IN. HOT-MIX BITUM CONC ON 4-IN.STABILIZED BASE	115	97	1,860	73		32	105
85111AN	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,2-IN. HOT-MIX BITUM CONC ON 6-IN.STABILIZED BASE	113	90	1,493	67		26	93
85111AP	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,3-IN. HOT-MIX BITUM CONC ON 6-IN.STABILIZED BASE	133	110	1,993	83		33	116
85111BB	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,8-IN. PORTLAND CEMENT CONCRETE	924	594	41,330	750		1,450	2,200
85111BC	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,10-IN. PORTLAND CEMENT CONCRETE	1,150	745	47,698	854		1,552	2,406
85111BD	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,12-IN. PORTLAND CEMENT CONCRETE	635	416	15,203	958		1,670	2,628
85111BE	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,16-IN. PORTLAND CEMENT CONCRETE	1,847	1,188	59,728	1,260		2,192	3,452
85111BF	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,20-IN. PORTLAND CEMENT CONCRETE	1,028	678	17,858	1,469		2,436	3,905
85111BG	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,24-IN. PORTLAND CEMENT CONCRETE	2,728	1,774	83,556	1,678		2,680	4,358
85111BL	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,6-IN. PORTLAND CEMENT CONCRETE	115	74	4,764	215		515	730
85111BM	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,8-IN. PORTLAND CEMENT CONCRETE	154	100	6,944	232		528	760

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85111BN	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,10-IN. PORTLAND CEMENT CONCRETE	192	124	7,960	249		545	794
85111BP	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,12-IN. PORTLAND CEMENT CONCRETE	232	149	7,866	267		564	831
85111BR	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,16-IN. PORTLAND CEMENT CONCRETE	309	199	9,964	345		735	1,080
85111BT	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,20-IN. PORTLAND CEMENT CONCRETE	388	248	19,270	380		776	1,156
85111BU	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,24-IN. PORTLAND CEMENT CONCRETE	465	297	23,075	415		816	1,231
85111CA	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,4-IN. STABILIZED AGGREGATE	531	358	2,655	209		70	279
85111CB	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,6-IN. STABILIZED AGGREGATE	803	542	4,015	268		75	343
85111CC	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,8-IN. STABILIZED AGGREGATE	1,060	716	5,300	352		81	433
85111CL	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,4-IN. STABILIZED AGGREGATE	50	34	250	22		7	29
85111CM	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,6-IN. STABILIZED AGGREGATE	75	51	375	28		9	37
85111CN	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,8-IN. STABILIZED AGGREGATE	99	67	495	36		9	45
85111DA	ROADWAY PAVEMENT,HEAVY WHEEL LOAD BASIC,12-FT WIDE BY 1 MILE LONG,M8A1 LANDING MAT SURFACED	388	212	287,294	173		552	725
85111DL	ROADWAY PAVEMENT,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH,M8A1 LANDING MAT SURFACED	142	78	100,068	38		119	157

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	6ENL	TOT
85111EA	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 6-IN.,FILL- 2567 CY	3	3	1,434	458		104	562
85111EB	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 12-IN.,FILL- 5378 CY	3	3	1,544	626		181	807
85111EC	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 18-IN.,FILL- 8434 CY	3	3	1,655	837		261	1,098
85111ED	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 24-IN.,FILL- 11734 CY	4	3	1,765	1,008		351	1,359
85111EE	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 30-IN.,FILL- 15278 CY	4	3	1,875	1,179		432	1,611
85111EF	ROADWAY,HEAVY WHEEL LOAD BASIC,12-FT WIDE WITH 4-FT SHOULDERS,1 MILE,SUBBASE THICKNESS- 36-IN.,FILL- 19067 CY	4	4	1,986	1,393		532	1,925
85111EL	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 6-IN.,FILL- 245 CY			110	59		10	69
85111EM	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 12-IN.,FILL- 490 CY			110	74		16	90
85111EN	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 18-IN.,FILL- 734 CY			110	90		22	112
85111EP	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 24-IN.,FILL- 978 CY			110	97		29	126
85111ER	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 30-IN.,FILL- 1225 CY			110	117		33	150
85111ET	ROADWAY,HEAVY WHEEL LOAD,2-FT INCREMENT OF ROADWAY WIDTH, SUBBASE THICKNESS- 36-IN.,FILL- 1467 CY			110	132		41	173
85111FA	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,2-IN. HOT-MIX BITUM CONC ON 4-IN. STABILIZED BASE	61	50	891	74		30	104

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85111FB	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,3-IN. HOT-MIX BITUM CONC ON 4-IN. STABILIZED BASE	72	60	1,180	77		30	107
85111FC	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,2-IN. HOT-MIX BITUM CONC ON 6-IN. STABILIZED BASE	77	61	1,043	94		35	129
85111FD	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,3-IN. HOT-MIX BITUM CONC ON 6-IN. STABILIZED BASE	87	72	1,332	97		35	132
85111GA	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,6-IN. PORTLAND CEMENT CONCRETE	99	64	4,249	83		155	238
85111GB	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,8-IN. PORTLAND CEMENT CONCRETE	130	84	5,108	97		165	262
85111GC	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,10-IN. PORTLAND CEMENT CONCRETE	163	106	6,020	115		181	296
85111GD	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,12-IN. PORTLAND CEMENT CONCRETE	196	127	6,319	128		197	325
85111GE	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,16-IN. PORTLAND CEMENT CONCRETE	260	168	7,974	165		274	439
85111GF	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,20-IN. PORTLAND CEMENT CONCRETE	325	210	9,695	196		293	489
85111GG	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,24-IN. PORTLAND CEMENT CONCRETE	390	252	11,564	223		326	549
85111HA	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,4-IN. STABILIZED AGGREGATE	42	28	210	35		12	47
85111HB	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,6-IN. STABILIZED AGGREGATE	63	43	315	52		12	64
85111HC	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,8-IN. STABILIZED AGGREGATE	84	57	420	58		12	70

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85111JA	HARDSTAND PAVEMENT,HEAVY WHEEL LOAD,1000 SY,M8A1 LANDING MAT SURFACED	40	30	32,258	38		119	157
85111KA	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-6-IN.,FILL-250 CY	2	1	722	55		10	65
85111KB	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-12-IN.,FILL-510 CY	2	2	735	83		16	99
85111KC	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-18-IN.,FILL-779 CY	2	2	748	106		22	128
85111KD	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-24-IN.,FILL-1058 CY	2	2	760	146		32	178
85111KE	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-30-IN.,FILL-1347 CY	2	2	773	174		38	212
85111KF	HARDSTAND,HEAVY WHEEL LOAD,1000 SY X4-FT SHOULDERS INCLUDED[,SUBBASE THICKNESS-36-IN.,FILL-1646 CY	2	2	786	197		44	241
85120AA	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 20 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	25	28	10,142	32	178	55	265
85120AB	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 30 FT SPAN SQUARE ENDS, DOUBLE LANE, CLASS 60	39	39	16,988	54	276	81	411
85120AC	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, TIMBER FRAME ABUTMENT, 30 FT STEEL SPAN, CLASS 60	62	74	27,671	75	381	107	563
85120AD	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 50 FT SPAN SQUARE ENDS, DOUBLE LANE, CLASS 60	121	121	66,277	170	647	133	950
85120AE	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 60 FT SPAN SQUARE ENDS, DOUBLE LANE CLASS 60	101	107	48,129	184	760	162	1,106
85120AG	ROAD BRIDGE SUPERSTRUCTURE, STEEL STRINGERS, 20 FT SPAN 30 DEG SKEW ENDS, DOUBLE LANE, CLASS 60	24	32	9,731	35	189	58	282

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120AH	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 30 FT SPAN 30 DEG SKEW ENDS, DOUBLE LANE, CLASS 60	38	52	16,543	57	286	84	427
85120AJ	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 40 FT SPAN 30 DEG SKEW ENDS, DOUBLE LANE, CLASS 60	55	72	23,424	78	392	110	580
85120AK	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 50 FT SPAN 30 DEG SKEW ENDS, DOUBLE LANE, CLASS 60	85	91	42,751	173	660	136	969
85120AL	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 60 FT SPAN 30 DEG SKEW ENDS, DOUBLE LANE, CLASS 60	100	107	50,267	187	773	165	1,125
85120AM	ROAD BRIDGE SUPERSTRUCTURE, TIMBER STRINGERS 18 FT SPAN 30 DEG SKEW DOUBLE LANE CLASS 60	24	35	4,525	6	202	93	301
85120AN	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 20 FT SPAN SQUARE ENDS SINGLE LANE CLASS 60	15	17	5,865	32	171	52	255
85120AP	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 30 FT SPAN SQUARE ENDS SINGLE LANE CLASS 60	23	24	9,781	32	171	52	255
85120AR	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 40 FT SPAN SQUARE ENDS SINGLE LANE CLASS 60	32	38	14,362	45	231	67	343
85120AT	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 50 FT SPAN SQUARE ENDS SINGLE LANE CLASS 60	50	41	22,093	70	331	81	482
85120AU	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 60 FT SPAN SQUARE ENDS SINGLE LANE CLASS 60	59	51	25,774	102	438	99	639
85120AV	ROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGERS 18 FT SPAN SQ ENDS SINGLE LANE CLASS 60	13	19	2,400	3	91	41	135
85120AW	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 20 FT SPAN 30 DEG SKEW ENDS, SINGLE LANE, CLASS 60	17	20	5,805	22	120	38	180
85120AY	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 30 FT SPAN 30 DEG SKEW ENDS, SINGLE LANE, CLASS 60	23	27	8,342	35	184	55	274

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120BA	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 40 FT SPAN 30 DEG SKEW ENDS, SINGLE LANE, CLASS 60	24	24	12,419	48	244	70	362
85120BB	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 50 FT SPAN 30 DEG SKEW ENDS, SINGLE LANE, CLASS 60	49	51	27,445	73	344	84	501
85120BC	ROAD BRIDGE SUPERSTRUCTURE STEEL STRINGERS 60 FT SPAN 30 DEG SKEW ENDS, SINGLE LANE, CLASS 60	59	64	30,110	104	451	102	657
85120BD	ROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGERS 18 FT SPAN 30 DEG SKEW SINGLE LANE CLASS 60	14	21	2,672	3	131	58	192
85120BE	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 20 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	18	25	25,116	35	170	52	257
85120BF	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 30 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	26	39	39,046	62	271	75	408
85120BG	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 40 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	46	55	55,328	75	344	99	518
85120BH	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 50 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	65	78	75,283	94	415	116	625
85120BJ	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 60 FT SPAN SQUARE ENDS DOUBLE LANE, CLASS 60	89	106	101,343	110	487	139	736
85120BK	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 20 FT SPAN 30 SKEW ENDS DOUBLE LANE, CLASS 60	25	30	25,215	48	183	46	277
85120BL	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 30 FT SPAN 30 SKEW ENDS DOUBLE LANE, CLASS 60	40	45	39,560	74	284	70	428

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120BM	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 40 FT SPAN 30 SKEW ENDS DOUBLE LANE, CLASS 60	56	63	55,341	88	354	93	535
85120BN	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 50 FT SPAN 30 SKEW ENDS DOUBLE LANE, CLASS 60	77	87	74,912	106	413	110	629
85120BP	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 60 FT SPAN 30 SKEW ENDS DOUBLE LANE, CLASS 60	101	116	95,536	131	497	133	761
85120BR	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 20 FT SPAN SQUARE ENDS SINGLE LANE, CLASS 60	11	16	13,045	22	100	29	151
85120BT	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 30 FT SPAN SQUARE ENDS SINGLE LANE, CLASS 60	16	25	20,968	35	157	46	238
85120BU	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 40 FT SPAN SQUARE ENDS SINGLE LANE, CLASS 60	27	35	28,948	44	204	64	312
85120BV	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 50 FT SPAN SQUARE ENDS SINGLE LANE, CLASS 60	38	48	39,661	54	251	75	380
85120BW	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 60 FT SPAN SQUARE ENDS SINGLE LANE, CLASS 60	51	63	53,869	65	316	93	474
85120BY	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 20 FT SPAN 30 SKEW ENDS SINGLE LANE, CLASS 60	16	19	14,545	29	116	35	180
85120CA	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 30 FT SPAN 30 SKEW ENDS SINGLE LANE, CLASS 60	26	28	20,998	44	171	46	261

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120CB	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 40 FT SPAN 30 SKEW ENDS SINGLE LANE, CLASS 60	36	39	31,890	52	216	64	332
85120CC	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 50 FT SPAN 30 SKEW ENDS SINGLE LANE, CLASS 60	50	53	43,269	62	260	75	397
85120CD	ROAD BRIDGE SUPERSTRUCTURE GLUE LAMINATED TIMBER GIRDERS 60 FT SPAN 30 SKEW ENDS SINGLE LANE, CLASS 60	65	69	55,011	74	310	93	477
85120CE	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, TIMBER PILE ABUTMENT, 18 FT TIMBER SPAN, CLASS 60	10	10	4,042	55	119	160	334
85120CF	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, TIMBER FRAME ABUTMENT, 18 FT TIMBER SPAN, CLASS 60	9	13	4,677	44	202	168	414
85120CG	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, TIMBER PILE ABUTMENT, 30 FT STEEL SPAN, CLASS 60	12	13	4,055	70	151	174	395
85120CH	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, TIMBER FRAME ABUTMENT, 30 FT STEEL SPAN, CLASS 60	11	15	4,609	46	209	174	429
85120CJ	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, TIMBER PILE ABUTMENT, 60 FT STEEL SPAN, CLASS 60	15	16	3,936	70	151	174	395
85120CK	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 18 FT TIMBER SPAN, CLASS 60	43	31	2,569	70	316	189	575
85120CL	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT, 18 FT TIMBER SPAN, CLASS 60	45	32	2,376	51	318	167	536
85120CM	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 30 FT STEEL SPAN, CLASS 60	42	31	2,735	64	307	174	545
85120CN	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT, 30 FT STEEL SPAN, CLASS 60	43	30	2,403	49	315	181	545

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120CP	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 60 FT STEEL SPAN, CLASS 60	45	34	3,034	67	320	174	561
85120CR	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT, 60 FT STEEL SPAN, CLASS 60	48	33	2,510	51	319	203	573
85120CT	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 18 FT TIMBER SPAN 30 DEG SKEW CLASS 60	48	35	2,912	73	339	189	601
85120CU	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT, 18 FT TIMBER SPAN 30 DEG SKEW, CLASS 60	53	37	2,753	52	332	196	580
85120CV	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 60 FT STEEL SPAN, 30 DEG SKEW CLASS 60	47	35	3,305	75	334	189	598
85120CW	ROAD BRIDGE SUBSTRUCTURE, DOUBLE LANE, REINF CONC ABUTMENT, 60 FT STEEL SPAN, 30 DEG SKEW, CLASS 60	52	36	2,779	51	320	196	567
85120CY	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, TIMBER PILE ABUTMENT, 18 FT TIMBER SPAN CLASS 60	6	6	2,542	38	67	102	207
85120DA	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, TIMBER FRAME ABUTMENT, 18 FT TIMBER SPAN, CLASS 60	5	8	2,814	23	113	93	229
85120DB	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, TIMBER PILE ABUTMENT, 30 FT STEEL SPAN, CLASS 60	7	8	2,431	46	96	131	273
85120DD	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, TIMBER PILE ABUTMENT, 60 FT STEEL SPAN, CLASS 60	9	10	2,626	52	110	145	307
85120DE	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 18 FT TIMBER SPAN, CLASS 60	28	21	1,746	51	216	123	390
85120DF	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE PIER 30 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMB SPANS CLASS 60	67	61	13,219	36	220	116	372

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120DG	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE REINF CONC ABUTMENT ON TIMBER PILES, 30 FT STEEL SPAN, CLASS 60	26	20	1,783	51	210	123	384
85120DH	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT, 30 FT STEEL SPAN, CLASS 60	26	19	1,528	35	215	116	366
85120DJ	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 60 FT STEEL SPAN, CLASS 60	28	21	1,957	51	210	123	384
85120DK	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT, 60 FT STEEL SPAN, CLASS 60	22	16	1,499	35	215	116	366
85120DL	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 18 FT TIMBER SPAN 30 DEG SKEW CLASS 60	32	24	1,978	54	235	138	427
85120DM	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT, 18 FT TIMBER SPAN 30 DEG SKEW, CLASS 60	34	24	1,850	38	229	116	383
85120DN	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT ON TIMBER PILES, 60 FT STEEL SPAN, 30 DEG SKEW CLASS 60	32	24	2,192	57	239	138	434
85120DP	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE, REINF CONC ABUTMENT, 60 FT STEEL SPAN, 30 DEG SKEW, CLASS 60	33	23	1,871	36	229	116	381
85120DR	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE BENT 10 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	8	8	2,408	38	77	123	238
85120DT	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE BENT 15 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	9	9	2,485	38	83	123	244
85120DU	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE BENT 20 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	11	11	2,790	41	96	131	268

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120DV	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE BENT 25 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	11	11	2,647	44	96	131	271
85120DW	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE BENT 30 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	12	12	4,365	44	96	131	271
85120DY	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE PIER 10 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMB SPANS CLASS 60	25	29	6,546	73	96	131	300
85120EA	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE PIER 15 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMB SPANS CLASS 60	28	32	6,879	73	102	131	306
85120EB	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE PIER 20 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMB SPANS CLASS 60	33	38	7,707	73	116	145	334
85120EC	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER PILE PIER 25 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMB SPANS CLASS 60	35	39	7,497	73	146	152	371
85120ED	ROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGERS 18 FT SPAN SQ ENDS DOUBLE LANE CLASS 60	23	34	4,290	6	164	75	245
85120EE	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR DOUBLE LANE 10 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	7	6	5,090	38	106	51	195
85120EF	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR DOUBLE LANE 15 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	7	8	5,646	39	112	51	202

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120EG	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR DOUBLE LANE 20 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	8	7	6,141	39	115	65	219
85120EH	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR DOUBLE LANE 25 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	9	8	6,873	42	122	73	237
85120EJ	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR DOUBLE LANE 30 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	10	9	7,414	44	122	73	239
85120EK	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TRESTLE PIER 10 FT HIGH FOR 36 FT TIMBER OR 60 FT STEEL MAX COMB SPANS CLASS 60	9	13	5,486	41	162	145	348
85120EL	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TRESTLE PIER 15 FT HIGH FOR 36 FT TIMBER OR 60 FT STEEL MAX COMB SPANS CLASS 60	10	15	5,650	41	168	145	354
85120EM	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE BENT 10 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	4	4	1,152	23	35	58	116
85120EN	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE BENT 15 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	5	5	1,240	25	38	65	128
85120EP	ROAD BRIDGE SUBSTRUCTURE, SINGLE LANE TIMBER PILE BENT 20 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	7	7	1,444	28	44	73	145
85120ER	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE BENT 25 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL MAX COMBINED SPANS, CLASS 60	7	7	1,363	28	44	73	145

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120ET	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE BENT 30 FT HIGH FOR 36 FT TIMBER OR 50 FT STEEL, MAX COMBINED SPANS, CLASS 60	8	8	2,654	29	52	87	168
85120EU	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE PIER 10 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS CLASS 60	14	16	3,759	46	64	87	197
85120EV	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE PIER 15 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS CLASS 60	16	19	4,101	46	70	87	203
85120EW	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE PIER 20 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS CLASS 60	22	24	4,720	46	78	102	226
85120EY	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE PIER 25 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS CLASS 60	23	25	4,601	46	113	131	290
85120FA	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER PILE PIER 30 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS CLASS 60	26	29	7,981	46	128	145	319
85120FB	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR, SINGLE LANE 10 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	5	5	3,792	30	75	44	149
85120FC	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR SINGLE LANE 15 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	6	5	4,165	30	75	44	149
85120FD	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR SINGLE LANE 20 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	6	6	4,657	30	75	44	149

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120FE	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR SINGLE LANE 25 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	7	6	5,225	36	93	51	180
85120FF	ROAD BRIDGE SUBSTRUCTURE STEEL PILE BENT ALL BOLTED CONSTR SINGLE LANE 30 FT HIGH FOR 36 FT TIMBER OR 70 FT STEEL MAX COMB SPANS CLASS 60	8	7	5,767	36	93	51	180
85120FG	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TRESTLE PIER 10 FT HIGH FOR 36 FT TIMBER OR 60 FT STEEL MAX COMB SPANS CLASS 60	5	7	2,237	28	93	87	208
85120FH	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TRESTLE PIER 15 FT HIGH FOR 36 FT TIMBER OR 60 FT STEEL MAX COMB SPANS CLASS 60	6	8	2,355	28	99	87	214
85120FJ	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 10 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	24	33	9,961		268	218	486
85120FK	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 20 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	37	51	13,672	58	638	348	1,044
85120FL	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 30 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	49	70	16,971	73	827	435	1,335
85120FM	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 40 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	61	86	20,000	87	957	522	1,566
85120FN	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 50 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	77	109	23,852	87	1,131	696	1,914

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120FP	ROAD BRIDGE SUBSTRUCTURE DOUBLE LANE TIMBER TOWER 60 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	89	128	27,145	102	1,320	812	2,234
85120FR	ROAD BRIDGE SUBSTRUCTURE STEEL TOWER DOUBLE LANE 20 FT HIGH FOR 120 FT STEEL MAX COMBINED SPANS CLASS 60	23	22	25,124	49	200	104	353
85120FT	ROAD BRIDGE SUBSTRUCTURE STEEL TOWER DOUBLE LANE 40 FT HIGH FOR 120 FT STEEL MAX COMBINED SPANS CLASS 60	32	30	40,155	70	329	157	556
85120FU	ROAD BRIDGE SUBSTRUCTURE STEEL TOWER DOUBLE LANE 60 FT HIGH FOR 120 FT STEEL MAX COMBINED SPANS CLASS 60	41	38	55,321	90	428	203	721
85120FV	ROAD BRIDGE SUBSTRUCTURE STEEL TOWER DOUBLE LANE 80 FT HIGH FOR 120 FT STEEL MAX COMBINED SPANS CLASS 60	51	46	70,745	115	525	244	884
85120FW	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 10 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	13	19	5,480		167	131	298
85120FY	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 20 FT HIGH FOR 06 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	22	31	7,878	29	384	218	631
85120GA	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 30 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	30	43	9,861	44	450	261	755
85120GB	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 40 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	38	55	11,965	55	589	331	975
85120GC	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 50 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	48	69	14,246	64	661	464	1,189

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120GD	ROAD BRIDGE SUBSTRUCTURE SINGLE LANE TIMBER TOWER 60 FT HIGH FOR 36 FT TIMBER OR 120 FT STEEL MAX COMBINED SPANS, CLASS 60	56	81	16,361	73	792	580	1,445
85120GE	ROAD BRIDGE SUBSTRUCTURE, 14 CONCRETE FOOTINGS 6FT6IN X 4FT10IN ON TIMBER PILES FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS, DOUBLE LANE	64	49	4,521	87	139	348	574
85120GF	ROAD BRIDGE SUBSTRUCTURE, 14 CONCRETE FOOTINGS 6FT6IN X 4FT10IN ON TWO STEEL PILES FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS, DOUBLE LANE	56	41	13,145	78	110	255	443
85120GG	ROAD BRIDGE SUBSTRUCTURE, 14 CONCRETE FOOTINGS 12FT X 4FT10IN,2500 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS DOUBLE LANE	123	84	3,644	93	200	400	693
85120GH	ROAD BRIDGE SUBSTRUCTURE 14 CONCRETE FOOTINGS 6FT X 4FT 5000 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS DOUBLE LANE	52	36	1,782	52	122	244	418
85120GJ	ROAD BRIDGE SUBSTRUCTURE, 6 CONCRETE FOOTINGS 11FT6IN X 11FT6IN 2500 PSF FOUNDATION SOIL CAPACITY FOR 20, 40, 60, 80 FT STEEL TOWERS, DOUBLE LANE	75	51	2,781	74	200	232	506
85120GK	ROAD BRIDGE SUBSTRUCTURE, 6 CONCRETE FOOTINGS 8FT X 8 FT 5000 PSF FOUNDATION SOIL CAPACITY FOR 20, 40, 60, 80 FT STEEL TOWERS, DOUBLE LANE	39	27	1,498	58	154	174	386
85120GL	ROAD BRIDGE SUBSTRUCTURE, 6 CONCRETE FOOTINGS 5FT X 5 FT ON STEEL PILES FOR 20,40,60,80 FT STEEL TOWERS, DOUBLE LANE	27	21	10,094	57	71	189	317
85120GN	ROAD BRIDGE SUBSTRUCTURE, 8 CONCRETE FOOTINGS 6FT6IN X 4FT10IN ON TWO STEEL PILES FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS, SINGLE LANE	68	51	10,092	59	90	191	340

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85120GP	ROAD BRIDGE SUBSTRUCTURE 8 CONCRETE FOOTINGS 9FT X 6FT 2500 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS SINGLE LANE	66	44	1,965	64	116	244	424
85120GR	ROAD BRIDGE SUBSTRUCTURE 8 CONCRETE FOOTINGS 6FT X 4FT 5000 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS SINGLE LANE	30	20	1,018	35	71	139	245
85120GT	ROAD BRIDGE SUBSTRUCTURE, 14 TIMBER FOOTINGS 8FT8IN X 4FT6IN,2500 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT TIMBER TOWERS, DOUBLE LANE	9	13	1,934	62	122	152	336
85120GU	ROAD BRIDGE SUBSTRUCTURE, 14 TIMBER FOOTINGS 6FT X 3FT 5000 PSF FOUNDATION SOIL CAPACITY FOR 10 FT THRU 60 FT TIMBER TOWERS, DOUBLE LANE	5	8	1,295	49	93	116	258
85120GV	ROAD BRIDGE SUBSTRUCTURE, 6 TIMBER FOOTINGS 10FT X 10FT 2500 PSF FOUNDATION SOIL CAPACITY FOR 20, 40, 60, 80 FT STEEL TOWERS, DOUBLE LANE	19	24	6,937	32	77	80	189
85120GW	ROAD BRIDGE SUBSTRUCTURE 6 TIMBER FOOTINGS 7FT X 7FT 5000 PSF FOUNDATION SOIL CAPACITY FOR 20, 40, 60, 80 FT STEEL TOWERS DOUBLE LANE	11	13	4,671	32	75	73	180
85120GY	ROAD BRIDGE SUBSTRUCTURE, 8 TIMBER FOOTINGS 8FT X 5FT 2500 PSF FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS, SINGLE LANE	5	7	1,087	41	70	87	198
85120HA	ROAD BRIDGE SUBSTRUCTURE, 8 TIMBER FOOTINGS 6FT X 3FT 5000 PSF FOR 10 FT THRU 60 FT HIGH TIMBER TOWERS, SINGLE LANE	3	4	746	33	52	65	150
85120HE	BRIDGE,BAILEY,COMPLETE SET. THE BAILEY BRIDGE IS INCLUDED IN AFCS FOR PLANNING PURPOSES DETAILED DESCRIPTION AND ERECTION INSTRUCTIONS ARE IN TM5-277. AFCS DRAWINGS 85120HE THROUGH 85120LH SHOW FIELD USES.	4	87	78,648	160		184	344

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130AA	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,GRASS,NO ROCK, COMBAT BN CONSTR	5	3	2,769	2,820		1,040	3,860
85130AB	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	5	3	2,769	3,015		1,109	4,124
85130AC	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,FOREST,NO ROCK, COMBAT BN CONSTR	5	3	2,769	5,036		2,549	7,585
85130AD	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,GRASS,NO ROCK, COMBAT BN CONSTR	6	6	3,112	11,206		1,401	12,607
85130AE	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	6	6	3,112	11,423		1,488	12,911
85130AF	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,FOREST,NO ROCK, COMBAT BN CONSTR	6	6	3,112	13,949		3,306	17,255
85130AG	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	4	4	1,986	1,343		454	1,797
85130AH	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	4	7	2,203	2,983		1,243	4,226
85130AJ	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	4	10	2,416	4,614		2,016	6,630
85130AK	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	4	4	1,986	1,588		554	2,142
85130AL	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	4	7	2,203	3,228		1,343	4,571

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130AM	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	4	10	2,416	4,859		2,116	6,975
85130AN	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	4	4	1,986	3,699		2,564	6,263
85130AP	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	4	7	2,203	5,339		3,352	8,691
85130AR	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	4	10	2,416	6,970		4,125	11,095
85130AT	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	16	5	9,276	1,546		544	2,090
85130AU	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	16	8	9,492	3,341		1,335	4,676
85130AV	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	16	11	9,706	5,120		2,108	7,228
85130AW	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	16	5	9,276	1,707		609	2,316
85130AY	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	16	8	9,492	3,625		1,457	5,082
85130BA	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	16	11	9,706	5,401		2,230	7,631
85130BB	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	16	5	9,276	4,022		2,819	6,841
85130BC	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	16	8	9,492	6,145		3,867	10,012
85130BD	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	16	11	9,706	7,924		4,640	12,564

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130BE	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	22	15	12,199	2,371		864	3,235
85130BF	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	23	18	12,415	5,377		2,379	7,756
85130BG	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	23	21	12,629	8,504		3,938	12,442
85130BH	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	22	15	12,199	2,785		1,056	3,841
85130BJ	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	23	18	12,415	5,575		2,519	8,094
85130BK	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	23	21	12,629	8,609		4,064	12,673
85130BL	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	22	15	12,199	5,422		3,847	9,269
85130BM	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	23	18	12,415	8,327		5,419	13,746
85130BN	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	23	21	12,629	11,207		6,967	18,174
85130BP	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	30	18	16,740	5,178		2,046	7,224
85130BR	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	30	21	16,957	11,052		4,378	15,430
85130BT	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	30	24	17,171	17,009		6,705	23,714
85130BU	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	30	18	16,740	5,957		2,439	8,396

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130BV	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	30	21	16,957	11,525		4,705	16,230
85130BW	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	30	24	17,171	17,323		7,030	24,353
85130BY	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	30	18	16,740	10,753		7,923	18,676
85130CA	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	30	21	16,957	15,350		10,057	25,407
85130CB	ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	30	24	17,171	20,243		12,376	32,619
85130CC	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,GRASS,NO ROCK,COMBAT BN CONSTR			221	409		78	487
85130CD	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR			221	445		84	529
85130CE	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,FOREST,NO ROCK,COMBAT BN CONSTR			221	671		186	857
85130CF	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,GRASS,NO ROCK,COMBAT BN CONSTR			189	1,169		209	1,378
85130CG	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR			189	1,205		215	1,420
85130CH	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,FOREST,NO ROCK,COMBAT BN CONSTR			189	1,431		316	1,747

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130CJ	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR			221	274		35	309
85130CK	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR		1	248	470		123	593
85130CL	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR		1	272	666		212	878
85130CM	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR			221	310		41	351
85130CN	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR		1	248	509		129	638
85130CP	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR		1	272	702		218	920
85130CR	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR			221	538		142	680
85130CT	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR		1	248	737		231	968
85130CU	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR		1	272	929		319	1,248
85130CV	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR	1		818	307		45	352

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130CW	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR	1	1	846	522		133	655
85130CY	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR	1	1	870	741		222	963
85130DA	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,NO ROCK, COMBAT BN CONSTR	1		818	342		51	393
85130DB	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,MOD ROCK, COMBAT BN CONSTR	1	1	846	564		139	703
85130DC	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,HVY ROCK, COMBAT BN CONSTR	1	1	870	777		228	1,005
85130DD	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR	1		818	587		161	748
85130DE	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR	1	1	846	832		261	1,093
85130DF	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR	1	1	870	1,045		349	1,394
85130DG	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	2	1	1,076	473		70	543
85130DH	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	2	2	1,104	837		244	1,081

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130DJ	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	2	2	1,128	1,198		419	1,617
85130DK	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,NO ROCK, COMBAT BN CONSTR	2	1	1,076	521		81	602
85130DL	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,MOD ROCK, COMBAT BN CONSTR	2	2	1,104	869		252	1,121
85130DM	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,HVY ROCK, COMBAT BN CONSTR	2	2	1,128	1,228		428	1,656
85130DN	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	2	1	1,076	795		216	1,011
85130DP	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR	2	2	1,104	1,146		393	1,539
85130DR	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR	2	2	1,128	1,524		570	2,094
85130DT	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR	3	2	1,477	885		161	1,046
85130DU	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR	3	2	1,504	1,583		423	2,006
85130DV	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR	3	2	1,528	2,306		690	2,996

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130DW	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	3	2	1,477	941		181	1,122
85130DY	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	3	2	1,504	1,618		438	2,056
85130EA	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	3	2	1,528	2,317		705	3,022
85130EB	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR	3	2	1,477	1,411		441	1,852
85130EC	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	3	2	1,504	1,966		692	2,658
85130ED	ROAD,TWO LANE,CLASS B,IMPROVE TO ROAD,TWO LANE,CLASS A,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	3	2	1,528	2,545		957	3,502
85130EE	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,GRASS,NO ROCK, COMBAT BN CONSTR	5	3	2,547	2,593		954	3,547
85130EF	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	5	3	2,547	2,781		1,019	3,800
85130EG	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,FOREST,NO ROCK, COMBAT BN CONSTR	5	3	2,547	4,662		2,359	7,021
85130EH	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,GRASS,NO ROCK, COMBAT BN CONSTR	6	5	2,923	10,294		1,288	11,582

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130EJ	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	6	5	2,923	10,505		1,370	11,875
85130EK	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,FOREST,NO ROCK, COMBAT BN CONSTR	6	5	2,923	12,896		3,093	15,989
85130EL	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	4	3	1,765	1,247		415	1,662
85130EM	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	4	6	1,956	2,698		1,115	3,813
85130EN	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	4	9	2,145	4,143		1,795	5,938
85130EP	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	4	3	1,765	1,476		506	1,982
85130ER	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AN DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	4	6	1,956	2,925		1,206	4,131
85130ET	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	4	9	2,145	4,372		1,886	6,258
85130EU	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	4	3	1,765	3,428		2,364	5,792
85130EV	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	4	6	1,956	4,884		3,064	7,948
85130EW	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	4	9	2,145	6,323		3,744	10,067
85130EY	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	14	5	8,457	1,440		500	1,940

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130FA	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	14	7	8,648	3,025		1,204	4,229
85130FB	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	15	10	8,837	4,605		1,884	6,489
85130FC	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	14	5	8,457	1,594		561	2,155
85130FD	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	14	7	8,648	3,284		1,312	4,596
85130FE	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	15	10	8,837	4,871		1,992	6,863
85130FF	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	14	5	8,457	3,732		2,601	6,333
85130FG	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	14	7	8,648	5,625		3,539	9,164
85130FH	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	15	10	8,837	7,199		4,220	11,419
85130FJ	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	21	14	11,122	2,185		790	2,975
85130FK	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	21	17	11,313	4,853		2,142	6,995
85130FL	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	21	19	11,502	7,605		3,502	11,107
85130FM	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	21	14	11,122	2,568		964	3,532
85130FN	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	21	17	11,313	5,045		2,259	7,304

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130FP	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	21	19	11,502	7,737		3,619	11,356
85130FR	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	21	14	11,122	5,033		3,551	8,584
85130FT	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	21	17	11,313	7,614		4,946	12,560
85130FU	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	21	19	11,502	10,154		6,306	16,460
85130FV	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED MOUNTAINOUS TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	27	17	15,263	4,763		1,872	6,635
85130FW	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	28	19	15,454	9,933		3,943	13,876
85130FY	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	28	22	15,643	15,202		5,983	21,185
85130GA	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	27	17	15,263	5,455		2,230	7,685
85130GB	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	28	19	15,454	10,372		4,240	14,612
85130GC	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	28	22	15,643	15,528		6,280	21,808
85130GD	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	27	17	15,263	9,921		7,328	17,249
85130GE	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	28	19	15,454	13,984		9,192	23,176
85130GF	ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	28	22	15,643	18,303		11,232	29,535

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130GG	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,GRASS,NO ROCK,COMBAT BN CONSTR	1	1	554	950		254	1,204
85130GH	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	1	1	554	992		262	1,254
85130GJ	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT, HAUL DISTANCE-2 MI,FOREST,NO ROCK,COMBAT BN CONSTR	1	1	554	1,501		494	1,995
85130GK	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,GRASS,NO ROCK,COMBAT BN CONSTR	1	1	472	2,606		264	2,870
85130GL	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	1	1	472	2,652		273	2,925
85130GM	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT, HAUL DISTANCE-5 MI,FOREST,NO ROCK,COMBAT BN CONSTR	1	1	472	3,171		505	3,676
85130GN	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR	1	1	552	592		126	718
85130GP	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR	1	2	610	1,059		358	1,417
85130GR	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR	1	3	674	1,520		579	2,099
85130GT	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	1	1	552	642		144	786

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130GU	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	1	2	610	1,119		367	1,486
85130GV	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	1	3	662	1,576		587	2,163
85130GW	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR	1	1	552	1,157		376	1,533
85130GY	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR	1	2	610	1,617		599	2,216
85130HA	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR	1	3	674	2,091		819	2,910
85130HB	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR	3	1	1,637	663		151	814
85130HC	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR	3	2	1,695	1,173		389	1,562
85130HD	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR	3	3	1,759	1,679		609	2,288
85130HE	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,NO ROCK, COMBAT BN CONSTR	3	1	1,637	689		164	853
85130HF	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,MOD ROCK, COMBAT BN CONSTR	3	2	1,695	1,240		394	1,634

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130HG	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,HVY ROCK, COMBAT BN CONSTR	3	3	1,747	1,740		615	2,355
85130HH	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR	3	1	1,637	1,250		419	1,669
85130HJ	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR	3	2	1,695	1,824		673	2,497
85130HK	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR	3	3	1,759	2,345		893	3,238
85130HL	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	4	3	2,153	963		241	1,204
85130HM	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	4	4	2,211	1,821		689	2,510
85130HN	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	4	4	2,275	2,698		1,130	3,828
85130HP	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,NO ROCK, COMBAT BN CONSTR	4	3	2,153	1,037		276	1,313
85130HR	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,MOD ROCK, COMBAT BN CONSTR	4	4	2,211	1,865		695	2,560
85130HT	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,HVY ROCK, COMBAT BN CONSTR	4	4	2,263	2,707		1,135	3,842

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130HU	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	4	3	2,153	1,644		566	2,210
85130HV	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,MOD ROCK, COMBAT BN CONSTR	4	4	2,211	2,465		1,012	3,477
85130HW	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,HVY ROCK, COMBAT BN CONSTR	4	4	2,275	3,299		1,453	4,752
85130HY	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,NO ROCK, COMBAT BN CONSTR	5	3	2,954	1,885		563	2,448
85130JA	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,MOD ROCK, COMBAT BN CONSTR	5	4	3,013	3,571		1,269	4,840
85130JB	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,HVY ROCK, COMBAT BN CONSTR	5	5	3,076	5,243		1,930	7,173
85130JC	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	5	3	2,954	1,989		634	2,623
85130JD	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	5	4	3,013	3,612		1,273	4,885
85130JE	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	5	5	3,064	5,245		1,937	7,182
85130JF	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,NO ROCK, COMBAT BN CONSTR	5	3	2,954	3,013		1,161	4,174

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130JG	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	5	4	3,013	4,336		1,805	6,141
85130JH	ROAD,ONE LANE,CLASS C,IMPROVE TO ROAD,TWO LANE,CLASS B,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	5	5	3,076	5,758		2,466	8,224
85130JJ	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,GRASS,NO ROCK, COMBAT BN CONSTR	4	2	1,993	1,907		700	2,607
85130JK	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	4	2	1,993	2,133		753	2,886
85130JL	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,FOREST,NO ROCK, COMBAT BN CONSTR	4	2	1,993	3,689		1,857	5,546
85130JM	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,GRASS,NO ROCK, COMBAT BN CONSTR	5	5	2,452	8,066		1,024	9,090
85130JN	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,WOODLAND,NO ROCK,COMBAT BN CONSTR	5	5	2,452	8,251		1,098	9,349
85130JP	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,FOREST,NO ROCK, COMBAT BN CONSTR	5	5	2,452	10,311		2,581	12,892
85130JR	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	2	2	1,214	966		303	1,269
85130JT	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	3	4	1,346	1,953		771	2,724

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130JU	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	3	6	1,472	2,930		1,231	4,161
85130JV	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	2	2	1,214	1,160		381	1,541
85130JW	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	3	4	1,346	2,258		850	3,108
85130JY	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	3	6	1,472	3,255		1,309	4,564
85130KA	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	2	2	1,214	2,749		1,891	4,640
85130KB	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	3	4	1,346	3,735		2,359	6,094
85130KC	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	3	6	1,472	4,713		2,819	7,532
85130KD	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	12	4	6,820	1,108		363	1,471
85130KE	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	12	6	6,953	2,187		831	3,018
85130KF	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	12	7	7,079	3,254		1,291	4,545
85130KG	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	12	4	6,820	1,256		423	1,679
85130KH	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	12	6	6,953	2,540		927	3,467
85130KJ	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	12	7	7,079	3,634		1,386	5,020

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130KK	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	12	4	6,820	3,000		2,085	5,085
85130KL	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	12	6	6,953	4,302		2,736	7,038
85130KM	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	12	7	7,079	5,371		3,196	8,567
85130KN	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED HILLY TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	17	11	8,970	1,662		584	2,246
85130KP	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	17	13	9,102	3,463		1,483	4,946
85130KR	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	17	15	9,228	5,327		2,403	7,730
85130KT	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	17	11	8,970	2,021		776	2,797
85130KU	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	17	13	9,102	3,837		1,583	5,420
85130KV	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	17	15	9,228	5,687		2,503	8,190
85130KW	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	17	11	8,970	4,002		2,836	6,838
85130KY	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	17	13	9,102	5,748		3,773	9,521
85130LA	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	17	15	9,228	7,476		4,692	12,168
85130LB	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	22	14	12,309	3,505		1,366	4,871

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85130LC	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,MOD ROCK,COMBAT BN CONSTR	22	15	12,442	7,018		2,736	9,754
85130LD	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,GRASS,HVY ROCK,COMBAT BN CONSTR	22	17	12,568	10,588		4,115	14,703
85130LE	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	22	14	12,309	4,077		1,675	5,752
85130LF	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,MOD ROCK,COMBAT BN CONSTR	22	15	12,442	7,901		3,007	10,908
85130LG	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,WOODLAND,HVY ROCK,COMBAT BN CONSTR	22	17	12,568	11,068		4,386	15,454
85130LH	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	22	14	12,309	7,859		5,864	13,723
85130LJ	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED, MOUNTAINOUS TERRAIN,FOREST,MOD ROCK,COMBAT BN CONSTR	22	15	12,442	10,568		7,077	17,645
85130LK	ROAD,ONE LANE,CLASS C,ONE MILE,GRADED AND DRAINED MOUNTAINOUS TERRAIN,FOREST,HVY ROCK,COMBAT BN CONSTR	22	17	12,568	13,500		8,456	21,956
85140AA	ROAD MAINTENANCE,SINGLE LANE,BITUMINOUS SURFACED, COLD PATCH,30 DAYS,100 MILES	44	57	17,196	5,697	1,008	7,758	14,463
85140AB	ROAD MAINTENANCE, SINGLE LANE, EARTH SURFACE, 30 DAYS, 100 MILES	5	2	2,707	5,220		6,960	12,180
85140AC	ROAD MAINTENANCE, DOUBLE LANE, 30 DAY, 100 MILE, BITUMINOUS SURFACE, COLD PATCH	85	113	32,747	6,163	1,987	8,642	16,792
85140AD	SNOW REMOVAL, 100 MILES OF DOUBLE LANE ROAD, INCLUDING FENCING, PLOWING, AND SAND SPREADING FOR ONE TEMPERATE CLIMATE WINTER SEASON	33	30	13,920	5,177	5,510	12,180	22,867

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85140AE	ROAD MAINTENANCE, DOUBLE LANE, 30 DAYS, 100 MILES, EARTH SURFACE	5	1	2,772	5,220		6,960	12,180
85190AA	ROAD,BEACH,2 LANE,PORTABLE MAT SURFACING,1 MILE	493	299	124,783		1,305	2,770	4,075
85190AB	ROAD,TWO LANE,WITH FIBERGLASS REINFORCED PLASTIC MATTING, 1 MILE UNIT	108	54	580,824	102		450	552
85210AA	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,GRASS,NO ROCK,COMBAT BN CONSTR	3	1	2,104	207		100	307
85210AB	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,WOODLAND,NO ROCK, COMBAT BN CONSTR	3	1	2,104	213		103	316
85210AC	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,HAUL DISTANCE-2 MI,FOREST,NO ROCK,COMBAT BN CONSTR	3	1	2,104	368		187	555
85210AD	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,GRASS,NO ROCK,COMBAT BN CONSTR	6	1	3,531	624		81	705
85210AE	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,WOODLAND,NO ROCK, COMBAT BN CONSTR	6	1	3,531	632		87	719
85210AF	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,HAUL DISTANCE-5 MI,FOREST,NO ROCK,COMBAT BN CONSTR	6	1	3,531	842		203	1,045
85210AG	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	3	1	1,666	91		29	120
85210AH	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,MODERATE ROCK,COMBAT BN CONSTR	3	1	1,684	249		86	335

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85210AJ	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,GRASS,HEAVY ROCK,COMBAT BN CONSTR	3	2	1,702	407		142	549
85210AK	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	3	1	1,666	104		38	142
85210AL	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,MODERATE ROCK,COMBAT BN CONSTR	3	1	1,684	264		94	358
85210AM	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,WOODLAND,HEAVY ROCK,COMBAT BN CONSTR	3	2	1,702	422		151	573
85210AN	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	3	1	1,666	202		87	289
85210AP	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,MODERATE ROCK,COMBAT BN CONSTR	3	1	1,684	360		144	504
85210AR	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,FLAT PLAIN TERRAIN,FOREST,HEAVY ROCK,COMBAT BN CONSTR	3	2	1,702	518		200	718
85210AT	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, GRASS,NO ROCK,COMBAT BN CONSTR	7	3	4,383	103		38	141
85210AU	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, GRASS,MODERATE ROCK,COMBAT BN CONSTR	7	3	4,402	294		106	400
85210AV	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, GRASS,HEAVY ROCK,COMBAT BN CONSTR	7	4	4,420	481		174	655
85210AW	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, WOODLAND,NO ROCK,COMBAT BN CONSTR	7	3	4,383	113		41	154
85210AY	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, WOODLAND,MODERATE ROCK,COMBAT BN CONSTR	7	3	4,402	312		112	424
85210BA	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, WOODLAND,HEAVY ROCK,COMBAT BN CONSTR	7	4	4,420	499		180	679

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85210BB	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, FOREST,NO ROCK,COMBAT BN CONSTR	7	3	4,383	218		93	311
85210BC	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, FOREST,MODERATE ROCK,COMBAT BN CONSTR	7	3	4,402	431		173	604
85210BD	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,ROLLING TERRAIN, FOREST,HEAVY ROCK,COMBAT BN CONSTR	7	4	4,420	618		241	859
85210BE	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, GRASS,NO ROCK,COMBAT BN CONSTR	11	5	6,750	175		55	230
85210BF	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, GRASS,MODERATE ROCK,COMBAT BN CONSTR	11	5	6,769	474		171	645
85210BG	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, GRASS,HEAVY ROCK,COMBAT BN CONSTR	11	5	6,787	773		284	1,057
85210BH	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, WOODLAND,NO ROCK,COMBAT BN CONSTR	11	5	6,750	199		73	272
85210BJ	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, WOODLAND,MODERATE ROCK,COMBAT BN CONSTR	11	5	6,769	496		186	682
85210BK	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, WOODLAND,HEAVY ROCK,COMBAT BN CONSTR	11	5	6,787	787		299	1,086
85210BL	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, FOREST,NO ROCK,COMBAT BN CONSTR	11	5	6,750	319		133	452
85210BM	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, FOREST,MODERATE ROCK,COMBAT BN CONSTR	11	5	6,769	602		247	849
85210BN	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,HILLY TERRAIN, FOREST,HEAVY ROCK,COMBAT BN CONSTR	11	5	6,787	887		360	1,247
85210BP	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,NO ROCK,COMBAT BN CONSTR	19	6	11,353	378		125	503

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85210BR	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,MODERATE ROCK,COMBAT BN CONSTR	19	6	11,372	861		267	1,128
85210BT	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,GRASS,HEAVY ROCK,COMBAT BN CONSTR	19	6	11,390	1,344		406	1,750
85210BU	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,NO ROCK,COMBAT BN CONSTR	19	6	11,353	431		162	593
85210BV	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,MODERATE ROCK,COMBAT BN CONSTR	19	6	11,372	919		305	1,224
85210BW	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,WOODLAND,HEAVY ROCK,COMBAT BN CONSTR	19	6	11,390	1,399		444	1,843
85210BY	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,NO ROCK,COMBAT BN CONSTR	19	6	11,353	619		267	886
85210CA	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,MODERATE ROCK,COMBAT BN CONSTR	19	6	11,372	1,067		412	1,479
85210CB	HARDSTAND,1000 SQ YDS,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,FOREST,HEAVY ROCK,COMBAT BN CONSTR	19	6	11,390	1,512		551	2,063
85290AA	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,2 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	12	11	1,097	125	222	62	409
85290AB	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED, SWAMP OR DELTA TERRAIN,FILL-4 FT,2 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	7	6	331	26	90	12	128
85290AC	SOIL-CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-4 FT,2 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	6	4	433	17		78	95

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85290AD	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN FILL-8 FT,5 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	13	12	1,298	120	213	61	394
85290AE	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,5 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	1	2	288	25	87	12	124
85290AF	SOIL CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,SWAMP OR DELTA TERRAIN,FILL-8 FT,5 MILE HAUL DISTANCE,ALL TYPE VEGETATION AND ROCK CONDITIONS	6	5	438	17		78	95
85290AG	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	13	12	1,268	132	239	67	438
85290AH	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	2	2	313	26	93	12	131
85290AJ	SOIL-CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,FLAT PLAIN TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	7	5	478	20		91	111
85290AK	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	25	21	2,107	241	426	126	793
85290AL	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	3	5	676	55	206	12	273
85290AM	SOIL-CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,ROLLING TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	16	11	1,108	46		209	255

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
85290AN	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	39	34	3,481	371	679	215	1,265
85290AP	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	5	7	1,003	81	302	23	406
85290AR	SOIL-CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,HILLY TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	23	16	1,563	64		287	351
85290AT	CONCRETE HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	51	45	4,540	492	892	278	1,662
85290AU	TIMBER HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS, ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	7	10	1,356	109	406	29	544
85290AV	SOIL-CEMENT FILLED SANDBAG HEADWALLS FOR CULVERTS,TWO LANE AND ONE LANE ROADS,ONE MILE,GRADED AND DRAINED,MOUNTAINOUS TERRAIN,ALL TYPE VEGETATION AND ROCK CONDITIONS	31	23	2,166	87		392	479
85291AA	BAILEY BRIDGE 2X2 110 LF. THIS FACILITY SATISFIES A REQUIREMENT OF MILITARY PLANNERS AND THERE ARE NO DRAWINGS IN TM5-302. DATA SUPPLIED BY DAEN-SG IN DEC 1977.	1	72	42,533	29	49	554	632
85291AB	BRIDGE ERECTION SET,FIXED BAILEY BRIDGE		4	27,021				
86010AA	RAILROAD MATERIAL FOR ONE MILE OF SINGLE TRACK USING 90 LB. RAIL.	473	600	137,470	2,636		6,890	9,526
86010AB	RAILROAD TRACK TURNOUT NUMBER 8,56-1/2 INCH GAGE 90 LB 90 LB RAIL WITH TIES AND FITTINGS	13	13	4,018	3	145	6	154
86030AA	RAILROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGER 16 FT SPAN, SINGLE TRACK, E45 LOADING SQUARE ENDS	3	5	731	3	58	58	119

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030AB	RAILROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGER 16 FT SPAN, SINGLE TRACK, E45 LOADING 30 DEG SKEW ENDS	3	5	747	3	64	64	131
86030AC	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 20 FT SPAN SINGLE TRACK E45 LOADING SQUARE ENDS	5	6	3,322	15	49	46	110
86030AD	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 20 FT SPAN SINGLE TRACK E45 LOADING 30 DEG SKEW ENDS	6	6	3,412	15	49	46	110
86030AE	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 30 FT SPAN SINGLE TRACK E45 LOADING SQUARE ENDS	8	9	5,167	19	64	58	141
86030AF	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 30 FT SPAN SINGLE TRACK E45 LOADING 30 DEG SKEW ENDS	12	15	6,287	29	93	70	192
86030AG	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 40 FT SPAN SINGLE TRACK E45 LOADING SQUARE ENDS	15	15	10,214	23	81	70	174
86030AH	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 40 FT SPAN SINGLE TRACK E45 LOADING 30 DEG SKEW ENDS	16	15	9,846	23	81	70	174
86030AJ	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 20 FT SPAN, SINGLE TRACK E80 LOADING SQUARE ENDS	7	6	4,481	15	49	46	110
86030AK	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 20 FT SPAN SINGLE TRACK E80 LOADING 30 DEG SKEW ENDS	7	7	4,516	15	49	46	110
86030AL	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 30 FT SPAN SINGLE TRACK E80 LOADING SQUARE ENDS	12	11	8,879	20	67	58	145
86030AM	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 30 FT SPAN SINGLE TRACK E80 LOADING 30 DEG SKEW ENDS	8	8	5,117	20	67	58	145
86030AN	RAILROAD BRIDGE SUPERSTRUCTURE STEEL STRINGER 40 FT SPAN SINGLE TRACK E80 LOADING SQUARE ENDS	24	23	16,783	29	93	70	192

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030AP	RAILROAD BRIDGE SUPERSTRUCTURE TIMBER STRINGER 40 FT SPAN SINGLE TRACK E80 LOADING 30 DEG SKEW ENDS	21	18	14,336	29	93	70	192
86030AR	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 16 FT TIMBER SPAN, WITH WALKWAY SQUARE ENDS	5	5	720	42	64	104	210
86030AT	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45, 16 FT TIMBER SPAN, WITH WALKWAY, 30 DEG SKEW ENDS	6	6	805	42	70	104	216
86030AU	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 20 FT STEEL SPAN SQUARE ENDS	7	7	1,051	48	113	122	283
86030AV	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 20 FT STEEL SPAN 30 DEG SKEW ENDS	7	8	1,140	48	125	122	295
86030AW	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 30 FT STEEL SPAN SQUARE ENDS	8	9	1,245	54	133	139	326
86030AY	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 30 FT STEEL SPAN 30 DEG SKEW ENDS	9	10	1,332	54	139	139	332
86030BA	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 40 FT AND E80, 20 FT STEEL SPAN SQUARE ENDS	9	10	1,778	59	142	157	358
86030BB	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E45 40 FT AND E80 20 FT STEEL SPAN 30 DEG SKEW ENDS	10	11	1,869	59	148	157	364
86030BC	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E80 30 FT STEEL SPAN SQUARE ENDS	12	13	2,139	71	161	165	397

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030BD	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E80, 30 FT STEEL SPAN 30 DEG SKEW ENDS	13	15	2,537	71	173	165	409
86030BE	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E80, 40 FT STEEL SPAN SQUARE ENDS	14	15	1,996	80	189	191	460
86030BF	RAILROAD BRIDGE SUBSTRUCTURE TIMBER ABUTMENT ON TIMBER PILES, SINGLE TRACK E80 40 FT STEEL SPAN 30 DEG SKEW ENDS	15	17	2,269	80	200	191	471
86030BG	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 16 FT TIMBER SPAN SQUARE ENDS	6	6	4,334	46	61	87	194
86030BH	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 16 FT TIMBER SPAN 30 DEG SKEW ENDS	7	7	4,501	46	64	87	197
86030BJ	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 20 FT STEEL SPAN SQUARE ENDS	9	9	6,211	52	75	122	249
86030BK	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 20 FT STEEL SPAN 30 DEG SKEW ENDS	9	9	6,360	52	78	122	252
86030BL	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 30 FT STEEL SPAN SQUARE ENDS	9	9	6,233	52	75	122	249
86030BM	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 30 FT STEEL SPAN 30 DEG SKEW ENDS	9	9	6,345	52	78	122	252
86030BN	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 40 FT STEEL SPAN OR E80, 20 FT STEEL SPAN SQUARE ENDS	9	9	6,743	52	84	122	258
86030BP	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E45, 40 FT STEEL SPAN OR E80, 20 FT STEEL SPAN 30 DEG SKEW ENDS	10	10	6,792	52	87	122	261

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030BR	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E80, 30 FT STEEL SPAN SQUARE ENDS	9	9	6,723	52	87	122	261
86030BT	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E80, 30 FT STEEL SPAN 30 DEG SKEW ENDS	10	10	7,060	52	90	122	264
86030BU	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E80, 40 FT STEEL SPAN SQUARE ENDS	11	11	7,419	58	99	139	296
86030BV	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE ABUTMENT SINGLE TRACK, E80, 40 FT STEEL SPAN 30 DEG SKEW ENDS	12	12	7,709	58	104	139	301
86030BW	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 10 FT HIGH FOR E45, 32 FT TIMBER OR 40 FT STEEL MAXIMUM COMBINED SPANS	8	9	2,240	39	131	116	286
86030BY	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 20 FT HIGH FOR E45, 32 FT TIMBER OR 40 FT STEEL MAXIMUM COMBINED SPANS	11	12	2,785	39	152	152	343
86030CA	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 30 FT HIGH FOR E45, 32 FT TIMBER OR 40 FT STEEL MAXIMUM COMBINED SPANS	14	14	5,042	39	189	189	417
86030CB	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK, 10 FT HIGH FOR E45, 60 FT STEEL MAXIMUM COMBINED SPANS	11	12	3,585	51	174	145	370
86030CC	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 20 FT HIGH FOR E45, 60 FT STEEL MAXIMUM COMBINED SPANS	16	16	4,151	51	196	167	414
86030CD	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 30 FT HIGH FOR E45, 60 FT STEEL MAXIMUM COMBINED SPANS	18	18	6,794	51	218	189	458
86030CE	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 10 FT HIGH FOR E45, 80 FT OR E80, 40 FT STEEL MAXIMUM COMBINED SPANS	18	20	4,591	59	225	167	451

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030CF	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 20 FT HIGH FOR E45, 80 FT OR E80, 40 FT STEEL MAXIMUM COMBINED SPANS	23	26	5,649	59	239	181	479
86030CG	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 30 FT HIGH FOR E45, 80 FT OR E80, 40 FT MAXIMUM COMBINED SPANS	28	30	9,515	59	261	203	523
86030CH	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 10 FT HIGH FOR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	21	24	5,605	68	238	174	480
86030CJ	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 20 FT HIGH FOR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	28	30	7,247	68	271	196	535
86030CK	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 30 FT HIGH FOR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	33	35	12,398	68	305	218	591
86030CL	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 10 FT HIGH FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	32	35	8,036	100	413	239	752
86030CM	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 20 FT HIGH FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	42	46	10,346	100	486	239	825
86030CN	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER PILE PIER SINGLE TRACK 30 FT HIGH FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	49	51	17,000	100	558	268	926
86030CP	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 10 FT HIGH SINGLE TRACK FOR E45, 32 FT TIMBER E45, 80 FT STEEL OR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	10	9	7,151	38	90	58	186

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030CR	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 20 FT HIGH SINGLE TRACK FOR E45, 32 FT TIMBER E45, 80 FT STEEL OR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	12	11	9,199	44	115	65	224
86030CT	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 30 FT HIGH SINGLE TRACK FOR E45, 32 FT TIMBER E45, 80 FT STEEL OR E80, 60 FT STEEL MAXIMUM COMBINED SPANS	15	14	11,295	51	145	73	269
86030CU	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 10 FT HIGH SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	12	11	8,963	48	107	73	228
86030CV	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 20 FT HIGH SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	15	14	11,357	52	126	80	258
86030CW	RAILROAD BRIDGE SUBSTRUCTURE STEEL PILE PIER 30 FT HIGH SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	18	16	13,986	64	174	87	325
86030CY	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 10 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	8	10	2,211	17	232	174	423
86030DA	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 20 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	14	19	3,820	29	377	261	667
86030DB	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 30 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	22	30	5,739	46	484	400	930
86030DC	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 40 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	29	40	7,517	58	589	539	1,186

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030DD	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 50 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	36	50	9,452	73	738	670	1,481
86030DE	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 60 FT HIGH, SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	40	55	10,434	81	818	731	1,630
86030DF	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 10 FT HIGH, SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	15	20	4,316	29	405	270	704
86030DG	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 20 FT HIGH, SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	22	30	6,151	44	577	400	1,021
86030DH	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 30 FT HIGH, SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	30	41	8,443	61	787	548	1,396
86030DJ	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 40 FT HIGH, SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	40	54	11,158	81	980	731	1,792
86030DK	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 50 FT HIGH, SINGLE TRACK FOR E45, 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	48	65	13,282	93	1,117	1,044	2,254
86030DL	RAILROAD BRIDGE SUBSTRUCTURE, TIMBER TOWER 60 FT HIGH, SINGLE TRACK FOR E45, 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	59	81	16,297	104	1,296	1,276	2,676
86030DM	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 10 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	17	23	4,964	35	470	313	818
86030DN	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 20 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	26	35	7,345	52	635	470	1,157

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030DP	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 30 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	35	47	9,765	70	827	635	1,532
86030DR	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 40 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	44	60	12,522	90	1,003	800	1,893
86030DT	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 50 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	56	77	15,648	102	1,254	1,218	2,574
86030DU	RAILROAD BRIDGE SUBSTRUCTURE TIMBER TOWER 60 FT HIGH, SINGLE TRACK FOR E80, 80 FT STEEL MAXIMUM COMBINED SPANS	65	89	18,245	116	1,357	1,392	2,865
86030DV	RAILROAD BRIDGE SUBSTRUCTURE 15 CONCRETE FOOTINGS 10FT6IN X 2FT6IN 2500 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E45 32 FT TIMBER MAXIMUM COMBINED SPANS	25	17	1,967	73	173	235	481
86030DW	RAILROAD BRIDGE SUBSTRUCTURE 15 CONCRETE FOOTINGS 4FT6IN X 2FT6IN 5000 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E45 32 FT TIMBER MAXIMUM COMBINED SPANS	27	19	1,179	49	123	87	259
86030DY	RAILROAD BRIDGE SUBSTRUCTURE 10 CONCRETE FOOTINGS 14FT X 3FT6IN 2500 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	75	51	2,478	67	177	247	491
86030EA	RAILROAD BRIDGE SUBSTRUCTURE 10 CONCRETE FOOTINGS 6FT X 3FT PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	33	22	1,297	48	97	109	254
86030EB	RAILROAD BRIDGE SUBSTRUCTURE 15 CONCRETE FOOTINGS 5FT X 2FT6IN ON TIMBER PILES FOR TIMBER TOWERS SINGLE TRACK E45 32 FT TIMBER MAXIMUM COMBINED SPANS	31	25	2,712	70	146	325	541

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030EC	RAILROAD BRIDGE SUBSTRUCTURE 15 CONCRETE FOOTINGS 2FT6IN X 2FT6IN ON STEEL PILE FOR TIMBER TOWERS SINGLE TRACK E45 32 FT TIMBER MAXIMUM COMBINED SPANS	18	14	6,785	55	90	131	276
86030ED	RAILROAD BRIDGE SUBSTRUCTURE CONCRETE SPREAD FOOTINGS 2500 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E80 80 FT STEEL MAXIMUM COMBINED SPANS	45	30	1,747	46	87	109	242
86030EE	RAILROAD BRIDGE SUBSTRUCTURE 12 CONCRETE FOOTINGS 11FT9IN X 4FT6IN 2500 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E80 80 FT STEEL MAXIMUM COMBINED SPANS	96	65	3,063	99	216	383	698
86030EF	RAILROAD BRIDGE SUBSTRUCTURE 12 CONCRETE FOOTINGS 8FT9IN X 2FT6IN 5000 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK E80 80 FT STEEL MAXIMUM COMBINED SPANS	54	37	1,908	65	146	209	420
86030EG	RAILROAD BRIDGE SUBSTRUCTURE 10 CONCRETE FOOTINGS 7FT6IN X 2FT6IN ON TIMBER PILES FOR TIMBER TOWERS SINGLE TRACK E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	31	24	2,624	62	112	209	383
86030EH	RAILROAD BRIDGE SUBSTRUCTURE 12 CONCRETE FOOTINGS 7FT6IN X 2FT6IN ON TIMBER PILES FOR TIMBER TOWERS SINGLE TRACK E80 80 FT STEEL MAXIMUM COMBINED SPANS	37	29	3,181	71	132	244	447
86030EJ	RAILROAD BRIDGE SUBSTRUCTURE 10 CONCRETE FOOTINGS 6FT6IN X 2FT6IN ON STEEL PILES FOR TIMBER TOWERS SINGLE TRACK E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	26	21	9,142	67	106	167	340
86030EK	RAILROAD BRIDGE SUBSTRUCTURE 12 CONCRETE FOOTINGS 6FT6IN X 2FT6IN ON STEEL PILES FOR TIMBER TOWERS SINGLE TRACK E80 80 FT STEEL MAXIMUM COMBINED SPANS	32	25	10,975	75	123	196	394

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030EL	RAILROAD BRIDGE SUBSTRUCTURE 15 TIMBER FOOTINGS 2FT4IN X 8FT 2500 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	6	9	1,122	22	87	87	196
86030EM	RAILROAD BRIDGE SUBSTRUCTURE 15 TIMBER FOOTINGS 2FT4IN X 4FT 5000 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	3	5	625	22	80	80	182
86030EN	RAILROAD BRIDGE SUBSTRUCTURE 10 TIMBER FOOTINGS 3FT X 12FT 2500 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	8	11	1,400	25	106	94	225
86030EP	RAILROAD BRIDGE SUBSTRUCTURE 10 TIMBER FOOTINGS 3FT X 6FT 5000 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E45 80 FT OR E80 40 FT STEEL MAXIMUM COMBINED SPANS	5	7	847	25	94	94	213
86030ER	RAILROAD BRIDGE SUBSTRUCTURE TIMBER GRILLAGE FOOTINGS 2500 PSF FOUNDATION SOIL CAPACITY FOR TIMBER TOWERS SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	14	21	2,587	39	152	152	343
86030ET	RAILROAD BRIDGE SUBSTRUCTURE 12 TIMBER FOOTINGS 3FT6IN X 11FT 2500 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	11	16	1,956	26	138	138	302
86030EU	RAILROAD BRIDGE SUBSTRUCTURE 12 TIMBER FOOTINGS 2FT4IN X 8FT6IN 5000 PSF FOUNDATION SOIL CAP FOR TIMBER TOWERS SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	6	8	1,033	26	109	109	244
86030EV	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 10 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	11	15	15,609	38	113	81	232

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030EW	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 20 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	1	1	8,356	55	181	99	335
86030EY	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 30 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	18	19	28,590	67	218	128	413
86030FA	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 40 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	1	3	17,052	86	289	157	532
86030FB	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 50 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	1	4	25,146	100	326	191	617
86030FC	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 60 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	2	5	25,845	120	403	220	743
86030FD	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 70 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	2	6	34,025	133	439	249	821
86030FE	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 80 FT HIGH SINGLE TRACK FOR E45 32 FT TIMBER MAXIMUM COMBINED SPANS	2	7	34,794	154	516	278	948
86030FF	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 10 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	1	2	7,857	42	120	87	249
86030FG	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 20 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	16	16	19,401	59	189	104	352
86030FH	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 30 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	20	20	29,987	71	225	133	429

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030FJ	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 40 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	22	20	32,261	90	296	162	548
86030FK	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 50 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	28	28	44,296	104	334	197	635
86030FL	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 60 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	29	28	46,200	125	410	226	761
86030FM	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 70 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	37	35	58,763	138	447	255	840
86030FN	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 80 FT HIGH SINGLE TRACK FOR E45 80 FT OR E80 60 FT STEEL MAXIMUM COMBINED SPANS	42	39	63,942	158	523	284	965
86030FP	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 10 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	13	16	16,953	41	120	87	248
86030FR	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 20 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	16	16	19,642	58	189	104	351
86030FT	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 30 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	21	20	30,224	70	225	133	428
86030FU	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 40 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	24	23	33,732	88	296	162	546
86030FV	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 50 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	29	27	44,618	103	334	197	634

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL: WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030FW	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 60 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	34	32	49,064	123	410	226	759
86030FY	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 70 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	36	35	58,817	136	447	255	838
86030GA	RAILROAD BRIDGE SUBSTRUCTURE STEEL TOWER 80 FT HIGH SINGLE TRACK FOR E80 80 FT STEEL MAXIMUM COMBINED SPANS	43	39	64,183	157	523	284	964
86030GB	RAILROAD BRIDGE SUBSTRUCTURE 2 CONCRETE FOOTINGS 11:-0:: X 28:-0:: 2500 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS SINGLE TRACK E45 32 FT TIMBER, E45 80 FT STEEL OR E80 80 FT STEEL MAXIMUM COMBINED SPANS	57	37	2,487	64	113	189	366
86030GC	RAILROAD BRIDGE SUBSTRUCTURE 6 CONCRETE FOOTINGS 11:-0:: X 11:-0:: 2500 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS SINGLE TRACK E45 32 FT TIMBER E45 80 FT STEEL OR E80 80 FT STEEL MAX COMBINED SPANS	66	44	2,500	73	136	218	427
86030GD	RAILROAD BRIDGE SUBSTRUCTURE 6 CONCRETE FOOTINGS 7:-0:: X 7:-0:: 5000 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS, SINGLE TRACK E45 32 FT TIMBER E45 80 FT STEEL OR E80 80 FT STEEL MAXIMUM COMBINED SPANS	27	19	1,007	44	94	87	225
86030GE	RAILROAD BRIDGE SUBSTRUCTURE 6 CONCRETE FOOTINGS 5:-0:: X 5:-0:: ON STEEL PILES FOR STEEL TOWERS SINGLE TRACK E45 32 FT TIMBER, E45 80 FT STEEL OR E80 80 FT STEEL MAXIMUM COMBINED SPANS	27	22	10,112	68	90	196	354
86030GF	RAILROAD BRIDGE SUBSTRUCTURE TIMBER GRILLAGE FOOTINGS 2500 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS SINGLE TRACK FOR E45 32 FT TIMBER, E45 80 FT STEEL OR E 80 80 FT STEEL MAXIMUM COMBINED SPANS	20	28	6,137	28	84	73	185

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030GG	RAILROAD BRIDGE SUBSTRUCTURE 6 TIMBER FOOTINGS 10:-0::X10:-0:: 2500 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS SINGLE TRACK FOR E45 32 FT TIMBER, E45 80 FT STEEL OR E80 80 FT STEEL MAXIMUM COMBINED SPANS	17	21	6,621	39	91	80	210
86030GH	RAILROAD BRIDGE SUBSTRUCTURE 6 TIMBER FOOTINGS 7:-0:: X 7:-0:: 5000 PSF FOUNDATION SOIL CAPACITY FOR STEEL TOWERS SINGLE TRACK FOR E45 32 FT TIMBER E45 80 FT STEEL OR E80 80 FT STEEL MAXIMUM COMBINED SPANS	11	13	4,649	39	90	73	202
86030GJ	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 16 FT TIMBER STRINGER SPAN, SQUARE ENDS	1	1	142	1	32	23	56
86030GK	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 16 FT TIMBER STRINGER SPAN 30 DEG SKEW ENDS	1	1	142	1	32	23	56
86030GL	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 20 FT STEEL STRINGER SPAN SQUARE ENDS	2	3	1,536	6	38	23	67
86030GM	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 20 FT STEEL STRINGER SPAN 30 DEG SKEW ENDS	2	3	1,533	6	38	23	67
86030GN	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 30 FT STEEL STRINGER SPAN SQUARE ENDS	4	4	2,218	6	45	29	80
86030GP	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 30 FT STEEL STRINGER SPAN 30 DEG SKEW ENDS	4	4	2,227	6	45	29	80
86030GR	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 40 FT STEEL STRINGER SPAN SQUARE ENDS	5	5	2,993	7	55	35	97
86030GT	RAILROAD BRIDGE SUPERSTRUCTURE WALKWAY 40 FT STEEL STRINGER SPAN 30 DEG SKEW ENDS	5	5	2,989	7	55	35	97
86030GU	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR TIMBER PILE PIER FACILITIES 86030BM THRU BR AND FOR TIMBER TOWER FACILITIES 86030CN THRU CY	1	1	138		49	12	61

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
86030GV	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR TIMBER PILE PIER FACILITIES 86030BS THRU CA	1	1	155		55	12	67
86030GW	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR STEEL PILE PIER FACILITIES 86030CB THRU CG	1	1	172		55	12	67
86030GY	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR TIMBER TOWER FACILITIES 86030CH THRU CM	1	2	269		100	22	122
86030HA	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR STEEL TOWER FACILITIES 86030DT THRU EA	1	2	279		100	22	122
86030HB	RAILROAD BRIDGE SUBSTRUCTURE TIMBER PLATFORMS FOR STEEL TOWER FACILITIES 86030EB THRU EQ	1	2	725		52	12	64
86030TP	BOMB DAMAGE REPAIR TO A RAILROAD BRIDGE ONE 40 FT,FOUR-BEAM SPAN AND ONE 30 FT PIER	32	29	14,503	189	853	626	1,668
86040AA	RAILROAD COAL LOADING PLATFORM W/TIMBER FOOTINGS, SUBSTRUCTURE & DECK, 12 X 84	22	32	5,496	276	574	196	1,046
86091AA	RAILHEAD,BREAKBULK W/HARDSTAND 110FT X 110FT AND RAILROAD UNLOADING PLATFORM W/RAMPS. REQUIRES 32.3 CY LOCAL AGGREGATE AND 445.0 CY EARTH FILL.	108	78	4,328	399	133	336	868
86091AB	RAILHEAD,CONTAINER W/HARDSTAND 110FT X 110FT. REQUIRES 30.6 LOCAL AGGREGATE.	134	111	3,158	431		184	615
87190AB	CLEARING & GRUBBING, ONE ACRE				49		52	101
87190AC	GRADING & DRAINAGE, 1000 CU YD				464		551	1,015
87190AD	CLEARING & GRUBBING, ONE LINEAR MILE X 50 FT WIDE				29		29	58
87190AE	SITE PREPERATION FOR COMBAT SUPPORT HOSPITAL,MUST,STANDARD.	173	160	554,349	2,216		806	3,022
87190AG	SITE PREPERATION FOR EVACUATION HOSPITAL,STANDARD.	189	205	428,601	2,216		806	3,022

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
87210AA	CHAINLINK FENCE WITH TWO OUTRIGGERS, 1000 LINEAL FEET TYPE A 10 FEET HIGH	17	51	12,074	181		580	761
87210AB	BARBED WIRE FENCE WITH TWO OUTRIGGERS, 1000 LINEAL FEET, TYPE B, 10 FEET HIGH	6	8	1,673	508	870	870	2,248
87210AD	TRIPLE CONCERTINA BARBED TAPE OBSTACLE 1000 LINEAL FEET, TYPE D	117	70	1,962	41		162	203
87210AE	CHAINLINK FENCE WITH 18 INCH COIL BARBED TAPE AT TOP 1000 LINEAL FEET TYPE E 10 FEET HIGH	15	40	7,488	181		580	761
87210AF	PERSONNEL GATE CHAINLINK FENCE-10 FEET HIGH X 3 FEET WIDE SINGLE LEAF-TWO PANEL W/GATE	1	2	279	9		17	26
87210AG	VEHICLE GATE CHAINLINK FENCE-10 FEET HIGH BY 12 FOOT OPNG DOUBLE LEAF-TWO PANEL W/GATE	1	2	401	10		22	32
87210AH	PERSONNEL GATE-BARBED WIRE FENCE- SINGLE LEAF-3 FT X 7 FT OPENING IN	1	1	358	10	15	6	31
87210AJ	CORNER POST ASSEMBLY CHAINLINK FENCE 2 PANEL W/CORNER POST 10 FEET HIGH			109	15		12	27
87210AK	CORNER POST ASSEMBLY, BARBED WIRE FENCE 2 PANEL W/CORNER POST 10 FEET HIGH	1	1	127	13	20	20	53
87210AL	VEHICLE GATE CHAINLINK FENCE-10 FEET HIGH BY 32 FOOT OPNG DOUBLE LEAF-TWO PANEL W/GATE	1	2	401	10		22	32
87210AM	VEHICLE GATE, BARBED WIRE FENCE-10 FT HIGH BY 12 FOOT OPENING-SINGLE LEAF	2	2	1,023	10	15	17	42
87210AN	SECURITY FENCE, TYPE W, WARNING FENCE W/LIGHTING, 1000 FT UNIT	9	10	3,141	67	684	371	1,122
87210AP	SECURITY FENCE, TYPE X, PROTECTIVE FENCE W/O LIGHTING, 1000 FT UNIT	8	9	1,656	67	368	371	806

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
87210AR	SECURITY FENCE, TYPE Y, INTERIOR FENCE W/O LIGHTING, 1000 FT UNIT	7	8	1,404	70	322	325	717
87210AT	VEHICLE < MAN GATE FOR SECURITY FENCE	2	2	332	12	174	70	256
87210AU	SECURITY FENCE, TYPE X CONVERTED TO TYPE W, 1000 FT UNIT	1	1	1,498		313		313
87210AV	DOUBLE APRON FENCE,4&2 PACE,U-TYPE POSTS,100 YARDS,91.44 METERS,REFER TO FM 5-15	20	12	206		1	32	33
87210AW	FOUR-STRAND PROTECTIVE FENCE,U-TYPE POSTS,100 YARDS,91.44 METERS,REFER TO FM 5-15	1		81		1	12	13
87210AY	TRIPLE STANDARD CONCERTINA FENCE,U-TYPE POSTS,100 YARDS, 91.44 METERS,REFER TO FM 5-15	1	3	3,842		154	769	923
87220AA	GUARD TOWER, 11 X 11 PLATFORM SHELTERED, 14 FT HIGH	3	4	1,033	10	104	64	178
87220AC	GUARD TOWER, 16 X 24 PLATFORM W/8 X 8 SHELTER, 15 FT HIGH	6	10	1,601	39	119	62	220
87230AA	SENTRY BOX 4X4			122	138	580	290	1,008
89045BG	MECHANICAL EQUIPMENT - 106 TONS/1940 KBH	9	17	31,000	196	2,896	1,250	4,342
89045BJ	MECH.EQMT.-150 TONS/3000 KBH	13	4	85,000	174	2,785	1,228	4,187
89045BK	MECHANICAL EQUIPMENT - 205 TONS/1940 KBH	10	18	33,000	252	3,065	1,431	4,748
89050AA	ICE PLANT, 1 TON PER DAY, WOOD FRAME, 20 X 24, GROSS STORAGE 1260 CU FT, NET STORAGE 460 CU FT OR 5.4 TONS, W/SKID MOUNTED GASOLINE UNIT	21	43	10,200		1,030	232	1,262
89050AB	ICE PLANT, 3.6 TONS PER DAY, WOOD FRAME, 20 X 31, GROSS STORAGE 1260 CU FT NET STORAGE 490 CU FT OR 5 TONS, W/ELECTRIC DRIVEN UNIT	61	294	57,164	90	1,346	377	1,813
89050AC	ICE PLANT, 15 TONS PER DAY, WOOD FRAME BLDG W/METAL ROOF & CLADDING, 40 X 60, GROSS STORAGE 9200 CU FT, NET STORAGE 4130 CU FT OR 100 TON MAX	137	368	73,436		3,386	885	4,271

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101AA	TYPE IV,40 FT WIDE 80 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.6 IN CONC FLR.4 2-3FTX4FT FIXED WINDOWS.4 2-3FTX7FT PERS DOORS.1 12FTX12FT SINGLE SLIDE DOOR.2FT-6INX3IN LOUVER CONT RIDGE ROOF VENT,ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	9	161	39,918	261	2,610	1,305	4,176
93101AB	TYPE IV,40 FT WIDE 40 FT LONG,12 FT CLDG HEIGHT,14 FT EAVE HEIGHT.6IN CONC FLR.3 3FTX4FT FIXED WINDOWS.PRE-ENGINEERED METAL BLDG.	6	75	21,601	145	1,450	725	2,320
93101AC	TYPE IV,40 FT WIDE 60 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.6IN CONC FLR.2 3FTX4FT AND 1 2-3FTX4FT FIXED WINDOWS 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT,ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	113	28,293	189	1,885	943	3,017
93101AD	TYPE IV,40 FT WIDE 80 FT LONG,12 FT CLDG HEIGHT,14 FT EAVE HEIGHT.6IN CONC FLR.1 6FTX4FT SLIDING WINDOW.1 2-3FTX7FT AND 2 3FTX7FT PERS DOORS.4 PAIRS AND 6 SINGLES 2FT-6INX3FT LOUVERS W/FILTER.CONT RIDGE ROOF VENT,ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	161	32,431	203	2,030	1,015	3,248
93101AE	TYPE IV,40 FT WIDE 140 FT LONG,12 FT CLDG HEIGT,14 FT EAVE HEIGHT.6IN CONC FLR.3 6FTX4FT SLIDING WINDOWS.2 3FTX7FT AND 2 2-3FTX7FT PERS DOORS.10 PAIR AND 1 SINGLE 2FT-6INX3FT LOUVERS W/FILTER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	14	263	55,428	406	4,060	2,030	6,496
93101AF	TYPE II,40 FT WIDE 180 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.6IN CONC FLR.14 2-3FTX5FT COM PROJ WINDOWS.4 2-3FTX 7FT PERS DOORS.9 ROUND CONT RIDGE ROOF VENTS.PRE-ENGINEERED METAL BLDG.	16	355	63,663	464	4,640	2,320	7,424
93101AG	TYPE V,20 FT WIDE 180 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.2 12FTX14FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	9	170	36,213	305	3,045	1,523	4,873
93101AH	TYPE II,40 FT WIDE 100 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.6IN CONC FLOOR.6 2-3FTX5FT COM PROJ WINDOWS. 1 3FTX7FT AND 5 2-3FTX7FT PERS DOORS.2 2-6FTX12FT DBL SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	9	180	36,670	377	3,770	2,030	6,177

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101AJ	TYPE II,40 FT WIDE 40 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.6IN CONC FLR.6 2-3FTX5FT COM PROJ WINDOWS.2 2-5FTX 10FT DBL SLIDE DOORS CONT RIDGE ROOF VENT PRE-ENGINEERED METAL BLDG.	4	75	15,783	160	1,595	798	2,553
93101AK	TYPE II,40 FT WIDE 60 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.6IN CONC FLR.6 2-3FTX5FT COM PROJ WINDOWS.2 2-5FTX10 FT DBL SLIDE DOORS.CONT RIDGE ROOF VENT.BATT R-6.PRE-ENGINEERED METAL BLDG.	6	113	22,228	174	1,740	870	2,784
93101AL	TYPE II,80 FT WIDE 240 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.6IN CONC FLR.23 2-3FTX5FT COM PROJ WINDOWS. 2 10FTX12FT SINGLE SLIDE AND 5 2-5FTX12FT DBL SLIDE DOORS. CONT RIDGE ROOF VENT.BATT R-6.PRE-ENGINEERED METAL BLDG.	41	875	164,728	1,552	15,515	7,540	24,607
93101AM	TYPE III,80 FT WIDE 240 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.6IN CONC FLR.18 2-3FTX5FT COM PROJ WINDOWS. 4 2-3FTX7FT PERS DOORS.6 2-5FTX16FT DBL SLIDE AND 4 12FTX16FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	42	875	166,120	1,552	15,515	7,540	24,607
93101AN	TYPE II,40 FT WIDE 180 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLR.16 2-3FTX5FT COM PROJ WINDOWS.8 2-3FTX7FT PERS DOORS.2 14FTX16FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	18	355	74,033	580	5,800	2,900	9,280
93101AP	TYPE III,80 FT WIDE 160 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLR.14 2-3FTX5FT COM PROJ WINDOWS.7 2-3FT X7FT PERS DOORS.4 14FTX16FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	31	625	125,205	1,044	10,440	5,220	16,704
93101AR	TYPE VI,20 FT WIDE 160 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLR.2 2-7FTX14FT DBL SLIDE DOORS.16-ROUND ROOF VENT.PRE-ENGINEERED METAL BLDG.	13	160	52,805	261	2,610	1,305	4,176
93101AT	TYPE III,80 FT WIDE 240 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLR.22 2-3FTX5FT COM PROJ WINDOWS.12 2-3FTX7FT PERS DOORS.4 14FTX16FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	43	875	171,740	1,552	15,515	7,540	24,607

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101AU	TYPE VI,20 FT WIDE 240 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.CONC FLR.1 14FTX12FT SINGLE SLIDE DOOR.24-ROUND ROOF VENT.PRE-ENGINEERED METAL BLDG.	17	212	63,140	435	4,350	2,175	6,960
93101AV	TYPE II,80 FT WIDE 200 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.4IN CONC FLOOR.16 3FTX5FT COM PROJ WINDOWS.4 12FTX 10FT SINGLE SLIDE DOORS.2 24INX24IN AUTOMATIC AND 1 24INX 24IN LIGHT PROOF LOUVERS.CONTINIOUS RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	37	775	147,153	870	8,700	4,350	13,920
93101AW	TYPE IV,80 FT WIDE 100 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.4IN CONC FLR.16 3FTX5FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOOR.1 2-7FTX10FT DBL SLIDE AND 2-5FTX10FT DBL SLIDE DOORS.1-20INX20IN AUTOMATIC LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	19	375	75,478	464	4,640	2,320	7,424
93101AY	TYPE IV,40 FT WIDE 100 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.4IN CONC FLOOR.16 3FTX5FT COM PROJ WINDOWS. 2 3FTX7FT PERS DOORS.1 2-5FTX10FT DBL SLIDE DOOR.1-20INX20 IN AUTOMATIC LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BLDG.	11	194	42,354	232	2,320	1,160	3,712
93101BA	TYPE II,40FT WIDE 300 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLOOR.30 2-3FTX5FT COM PROJ WINDOWS.8 2-3FTX 7FT PERS DOORS.2 2-6FTX16FT SWING TYPE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	29	555	115,711	696	6,960	3,480	11,136
93101BB	TYPE V,20 FT WIDE 300 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.15-ROUND ROOF VENT. PRE-ENGINEERED METAL BLDG.	17	278	69,961	348	3,480	1,740	5,568
93101BC	TYPE V,20 FT WIDE 140 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.22-ROUND ROOF VENT.PRE-ENGINEERED METAL BLDG.	12	138	47,945	203	2,030	1,015	3,248
93101BD	TYPE II,40 FT WIDE 80 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLOOR.8 2-3FTX5FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.4 2-6FTX16FT SWING TYPE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	9	158	37,445	203	2,030	1,015	3,248

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101BE	TYPE V,20 FT WIDE 80 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4-ROUND ROOF VENT.PRE-ENGINEERED METAL BLDG.	6	80	25,245	160	1,595	798	2,553
93101BF	TYPE II,40 FT WIDE 220 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.EARTH FLOOR.22 2-3FTX5FT COM PROJ WINDOWS.4 2-3FT X 7FT PERS DOORS.4 2-6FTX16FT SWING TYPE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	22	415	87,419	653	6,525	3,335	10,513
93101BG	TYPE V,20 FT WIDE 100 FT LONG,15 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.5-ROUND ROOF VENT.PRE-ENGINEERED METAL BLDG.	9	95	36,169	160	1,595	798	2,553
93101BH	TYPE II,40 FT WIDE 120 FT LONG,20 FT CLDG HEIGHT,24 FT EAVE HEIGHT.4IN CONC FLOOR.15 2-3FTX5FT COM PROJ WINDOWS.2 3FT X 7FT PERS DOORS.4 2-7FTX16FT SWING TYPE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	14	212	54,146	435	4,350	2,175	6,960
93101BJ	TYPE IV,40 FT WIDE 100 FT LONG,14 FT CLDG HEIGHT,16 FT EAVE HEIGHT.4IN CONC FLOOR.24 3FTX4FT SINGLE WINDOWS.4 2-3FTX7FT DOORS.11-24INX24IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT. ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	16	194	64,894	319	3,190	1,595	5,104
93101BK	TYPE I,20 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.12 3FTX4FT SINGLE HG W/GDS WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	3	50	10,546	87	870	435	1,392
93101BL	TYPE I,20 FT WIDE 100 FT LONG,8 FT CLDG HEIGHTS,10 FT EAVE HEIGHT.4IN CONC FLOOR.18 3FTX4FT SINGLE HG W/GDS WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	5	95	19,318	160	1,595	798	2,553
93101BM	TYPE I,40 FT WIDE 100 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.6IN CONC FLOOR.6 3FTX4FT SINGLE HG W/GDS WINDOWS. 4 6FTX10FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	9	194	34,428	319	3,190	1,595	5,104

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101BN	TYPE II,80 FT WIDE 220 FT LONG,12 FT CLDG HEIGHT,16 FT EAVE HEIGHT.6IN CONC FLOOR.22 3FTX4FT SINGLE HG W/GDS WINDOWS. 6 6FTX10FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	35	198	138,983	145	1,450	725	2,320
93101BP	TYPE I,20 FT WIDE 20 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.2 3FTX4FT SINGLE HG W/GDS WINDOWS. 1 2-3FTX7FT DOOR.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	1	5	4,215	29	290	145	464
93101BR	TYPE I,20 FT WIDE 30 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.2 3FTX4FT SINGLE HG W/GDS WINDOWS. 1 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	1	7	5,816	44	435	218	697
93101BT	TYPE I,30 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT SINGLE HG W/GDS WINDOWS. 6 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	24	23,456	174	1,740	870	2,784
93101BU	TYPE I,30 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.17 3FTX4FT SINGLE HG W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	30	28,596	218	2,175	1,088	3,481
93101BV	TYPE I,30 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.18 3FTX4FT SINGLE W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	34	31,353	232	2,320	1,160	3,712
93101BW	TYPE I,30 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.22 3FTX4FT SINGLE HG W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	37	34,491	261	2,610	1,305	4,176
93101BY	TYPE I,30 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.15 3FTX4FT SINGLE HG W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	30	28,341	218	2,175	1,088	3,481

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101CA	TYPE I,30 FT WIDE 110FTLONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3-3FTX4FT SINGLE HG W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	10	37	38,954	261	2,610	1,305	4,176
93101CB	TYPE I,30 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.7 3FTX4FT SINGLE HG W/GDS WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	14	13,673	102	1,015	508	1,625
93101CC	TYPE I,30 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG W/GDS WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	17	16,556	116	1,160	580	1,856
93101CD	TYPE IV,40 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.8 3FTX4FT SINGLE HG AND 9 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	41	35,304	290	2,900	1,450	4,640
93101CE	TYPE IV,40 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT SINGLE HG AND 12 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	50	42,634	348	3,480	1,740	5,568
93101CF	TYPE IV,40 FT WIDE 120 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT SINGLE HG AND 13 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	54	46,108	392	3,915	1,958	6,265
93101CG	TYPE IV,30 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.7 3FTX4FT SINGLE HG AND 9 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	30	28,475	218	2,175	1,088	3,481
93101CH	TYPE IV,30 FT WIDE 100 FT LONG,8FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.21 3FTX4FT SINGLE HG WINDOWS.3 2-3FT X7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	34	31,230	232	2,320	1,160	3,712

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101CJ	TYPE IV,40 FT WIDE 260 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.33 3FTX4FT SINGLE HG AND 13 3FTX4FT SINGLE HG W/GDS WINDOWS.7 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	20	117	93,923	841	8,410	4,205	13,456
93101CK	TYPE IV,30 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.8 3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG W/GDS WINDOWS.3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	24	21,941	174	1,740	870	2,784
93101CL	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.6 3FTX4FT SINGLE HG AND 3 3FTX4FT SINGLE HG W/GDS WINDOWS.3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	19,185	145	1,450	725	2,320
93101CM	TYPE IV,40 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.20 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	9	41	35,181	290	2,900	1,450	4,640
93101CN	TYPE IV,30 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.17 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	7	27	25,344	203	2,030	1,015	3,248
93101CP	TYPE IV,40 FT WIDE 150 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.28 3FTX4FT SINGLE HG WINDOWS.2 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	14	68	55,774	493	4,930	2,465	7,888
93101CR	TYPE IV,40 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.21 3FTX4FT SINGLE HG WINDOWS. 2 2-3FTX7FT PERS DOORS.4-24INX24IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	50	41,874	348	3,480	1,740	5,568
93101CT	TYPE IV,40 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.18 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.2-24INX24IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	10	45	38,461	334	3,335	1,668	5,337

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101CU	TYPE IV,40 FT WIDE 120 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.2-12INX12IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	12	54	45,140	392	3,915	1,958	6,265
93101CV	TYPE IV,40 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.17 3FTX4FT SINGLE HG WINDOWS.3 2-3FT X7FT PERS DOORS.2-12INX12IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	9	45	38,193	348	3,480	1,740	5,568
93101CW	TYPE IV,30 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	34	31,035	247	2,465	1,233	3,945
93101CY	TYPE IV,30 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS.3 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	34	31,035	247	2,465	1,233	3,945
93101DA	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	20	16,301	145	1,450	725	2,320
93101DB	TYPE IV,30 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.7 3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	17	13,923	116	1,160	580	1,856
93101DC	TYPE IV,30 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.5 3FTX4FT SINGLE HG WINDOWS.4 2-3FTX 7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	14	31,788	102	1,015	508	1,625
93101DD	TYPE IV,40 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.16 3FTX4FT SINGLE HG AND 2 3FTX4FT FIXED WINDOWS. 3 2-3FTX7FT PERS DOORS.2-24INX24 LIGHTPRF LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	36	35,258	261	2,610	1,305	4,176

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101DE	TYPE IV,40 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.20 3FTX4FX SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.2-24INX24IN LIGHTPRF LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	41	35,258	290	2,900	1,450	4,640
93101DF	TYPE IV;40 FT WIDE 90 FT LONG;8 FT CLDG HEIGHT; 10 FT EAVE HEIGHT.4IN CONC FLOOR.16 3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPRF LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	41	34,704	290	2,900	1,450	4,640
93101DG	TYPE IV,40 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.21 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.2-24INX24IN LIGHTPRF LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	50	42,775	348	3,480	1,740	5,568
93101DH	TYPE IV,30 FT WIDE 130 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.26 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPROOF LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	44	40,304	319	3,190	1,595	5,104
93101DJ	TYPE IV,30 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPRF LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	30	28,896	218	2,175	1,088	3,481
93101DK	TYPE IV,30 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.13 3FTX4FT SINGLE HG (OBSCURE GLASS IN TOILETS)WINDOWS.2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	14	13,933	102	1,015	508	1,625
93101DL	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.11 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPRF LOUVER.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	19,990	145	1,450	725	2,320

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101DM	TYPE IV,30 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,13 3FTX4FT SINGLE HG WINDOWS. 6 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	27	26,600	203	2,030	1,015	3,248
93101DN	TYPE IV,30 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,15 3FTX4FT SINGLE HG WINDOWS. 6 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	14	29,351	218	2,175	1,088	3,481
93101DP	TYPE IV,30 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,11 3FTX4FT SINGLE HG WINDOWS. 5 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	24	23,079	174	1,740	870	2,784
93101DR	TYPE VI,20 FT WIDE 60 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,4IN CONC FLOOR,12 3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPRF LOUVER.3-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	14	13,764	102	1,015	508	1,625
93101DT	TYPE VI,20 FT WIDE 80 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,4IN CONC FLOOR,15 3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.3-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	18	18,108	131	1,305	653	2,089
93101DU	TYPE VI,20 FT WIDE 70 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,4IN CONC FLOOR,15 3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.3-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	16	16,024	116	1,160	580	1,856
93101DV	TYPE VI,20 FT WIDE 100 FT LONG,8 FT(LOW PT)CLDG HEIGHT, 10 FT(LOW SIDE)EAVE HEIGHT,4IN CONC FLOOR,19 3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.1-24INX24IN LIGHTPRF LOUVER.5-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	23	21,571	160	1,595	798	2,553

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101DW	TYPE IV,40 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.21 3FTX4FT SINGLE HG W/GDS WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	50	42,301	348	3,480	1,740	5,568
93101DY	TYPE IV,30 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.17 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	27	27,344	203	2,030	1,015	3,248
93101EA	TYPE IV,30 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	30	28,841	218	2,175	1,088	3,481
93101EB	TYPE IV,30 FT WIDE 110 FT WIDE,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.22 3FTX4FT SINGE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	37	34,491	261	2,610	1,305	4,176
93101EC	TYPE IV,30 FT WIDE 110 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.17 3FTX4FT SINGLE HG AND 5 3FTX4FT SINGLE HG W/GDS WINDOWS.3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	37	33,986	261	2,610	1,305	4,176
93101ED	TYPE VI,20 FT WIDE 30 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.6 3FTX4FT SINGLE HG WINDOWS.2 2-3FTX7FT PERS DOORS.2-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	7	7,783	44	435	218	697
93101EE	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT SINGLE HG WINDOWS.2 2-3FTX7FT PERS DOORS.2-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	11	11,663	87	870	435	1,392
93101EF	TYPE II,40 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.24 3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	45	42,343	334	3,335	1,668	5,337

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101EG	TYPE VI,20 FT WIDE 40 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.8 3FTX4FT SINGLE HG WINDOWS.2 2-3FTX7FT PERS DOORS.3-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	9	10,175	58	580	290	928
93101EH	TYPE VI,20 FT WIDE 100 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT(LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS.4 2-3FTX7FT PERS DOORS.5-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	23	24,055	160	1,595	798	2,553
93101EJ	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.11 3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	19,440	145	1,450	725	2,320
93101EK	TYPE IV,30 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.19 3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	34	30,975	232	2,320	1,160	3,712
93101EL	TYPE III,80 FT WIDE 180 FT LONG,10FT CLDG HEIGHT,14 FT EAVE HEIGHT.4IN CONC FLOOR.35 3FFX5FT COM PROJ WINDOWS. 9 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	31	162	124,039	1,160	11,600	5,800	18,560
93101EM	TYPE II,20 FT WIDE 40 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.4 3FTX4FT COM PROJ WINDOWS.PRE-ENGINEERED METAL BLDG	2	9	9,284	58	580	290	928
93101EN	TYPE III,120 FT WIDE 80 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.4IN CONC FLOOR.29 3FTX5FT COM PROJ WINDOWS. 7 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	21	108	85,890	783	7,830	3,915	12,528
93101EP	TYPE II,20 FT WIDE 20 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.4 3FTX4FT COM PROJ WINDOWS.PRE-ENGINEERED METAL BLDG	1	5	5,099	29	290	145	464
93101ER	TYPE II,80 FT WIDE 100 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.4IN CONC FLOOR.26 3FTX5FT COM PROJ WINDOWS. 7 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	18	90	70,132	667	6,670	3,335	10,672

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101ET	TYPE II,20 FT WIDE 20 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.2 3FTX4FT COM PROJ WINDOWS.PRE-ENGINEERED METAL BLDG	1	5	4,964	29	290	145	464
93101EU	TYPE II,40 FT WIDE 100 FT LONG,10 FT CLDG HEIGHT,14 FT EAVE HEIGHT.4IN CONC FLOOR.23 3FTX5FT COM PROJ WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	45	41,416	319	3,190	1,595	5,104
93101EV	TYPE II,42 FT WIDE 100 FT WIDE,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.15 2-3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG WINDOWS.4 2-3FTX7FT AND 2 3FTX7FT PERS DOORS. 34 3FTX3FT FIXED (UNDER EACH WINDOW)LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-10.PRE-ENGINEERED METAL BLDG./TROPIC METAL BLDG 000042005F	9	47	36,765	334	3,335	1,668	5,337
93101EW	TYPE II,42 FT WIDE 100 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.15 2-3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG WINDOWS.4 2-3FTX7FT AND 2 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	11	47	42,553	334	3,335	1,668	5,337
93101EY	TYPE II,42 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.4 2-3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG WINDOWS.2 3FTX7FT AND 2 2-2FT6INX7FT PERS DOORS. 10 3FTX3FT FIXED(UNDER EACH WINDOW)LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-10.TROPIC ZONE.PRE-ENGINEERED METAL BLDG.	7	28	27,029	203	2,030	1,015	3,248
93101FA	TYPE II,42 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.4 2-3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG WINDOWS.2 3FTX7FT AND 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	28	26,028	203	2,030	1,015	3,248
93101FB	TYPE II,42 FT WIDE 140 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.22 2-3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG WINDOWS.2 3FTX7FT AND 4 2-3FTX7FT PERS DOORS. 45 3FTX3FT FIXED(UNDER EACH WINDOW)LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-10.TROPIC ZONE.PRE-ENGINEERED METAL BLDG.	16	66	62,175	464	4,640	2,320	7,424

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101FC	TYPE II,42 FT WIDE 140 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,22 2-3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG WINDOWS,2 3FTX7FT AND 4 2-3FTX7FT PERS DOORS,CONT RIDGE ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLDG.	14	66	57,669	464	4,640	2,320	7,424
93101FD	TYPE II,42 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,7 2-3FTX4FT SINGLE HG AND 1 3FTX4FT SINGLE HG WINDOWS,2 3FTX7FT AND 2 2-3FTX7FT PERS DOORS. 15 3FTX3FT FIXED(UNDER EACH WINDOW)LOUVERS,CONT RIDGE ROOF VENT,ALL WALLS BATT R-10,TROPIC ZONE,PRE-ENGINEERED METAL BLDG.	8	38	33,898	261	2,610	1,305	4,176
93101FE	TYPE II,42 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,4IN CONC FLOOR,7 2-3FTX4FT SINGLE HG AND 1 3FTX4FT SINGL HG WINDOWS,2 3FTX7FT AND 2 3FTX7FT PERS DOORS,CONT RIDGE ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLD	8	38	31,890	261	2,610	1,305	4,176
93101FF	TYPE VI,20 FT WIDE 20 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,2IN CONC FLOOR, 4 3FTX4FT COM PROJ WINDOWS,1 2-3FTX7FT PERS DOORS,1 ROUND ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLDG.	1	5	5,088	29	290	145	464
93101FG	TYPE VI,20 FT WIDE 10 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,2IN CONC FLOOR, 4 3FTX4FT COM PROJ WINDOWS,1 2-3FTX7FT PERS DOORS,1 ROUND ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLDG.	1	2	3,409	15	145	73	233
93101FH	TYPE VI,20 FT WIDE 10 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,2IN CONC FLOOR, 4 3FTX4FT COM PROJ WINDOWS,1 2-3FTX7FT PERS DOORS,1 ROUND ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLDG.	1	2	3,409	15	145	73	233
93101FJ	TYPE VI,20 FT WIDE 10 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT,2IN CONC FLOOR, 4 3FTX4FT COM PROJ WINDOWS,1 2-3FTX7FT PERS DOORS,1 ROUND ROOF VENT,ALL WALLS BATT R-6,PRE-ENGINEERED METAL BLDG.	1	2	3,409	15	145	73	233

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101FK	TYPE VI,10 FT WIDE 20 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.4 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	2	3,409	15	145	73	233
93101FL	TYPE VI,10 FT WIDE 20 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.4 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	2	3,409	15	145	73	233
93101FM	TYPE VI,20 FT WIDE 20 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.5 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	5	5,215	29	290	145	464
93101FN	TYPE VI,20 FT WIDE 30 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.6 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	7	7,526	44	435	218	697
93101FP	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	11	5,215	87	870	435	1,392
93101FR	TYPE VI,20 FT WIDE 30 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.7 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	7	5,975	44	435	218	697
93101FU	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	11	9,873	87	870	435	1,392
93101FV	TYPE VI,20 FT WIDE 80 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.16 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	18	14,450	131	1,305	653	2,089

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101FY	TYPE VI,20FT WIDE 30 FT LONG,8FT(LOW PT)CLDG HEIGHT.10FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.5 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	7	6,894	44	435	218	697
93101GA	TYPE VI,20 FT WIDE 40 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.8 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	9	9,913	58	580	290	928
93101GB	TYPE VI,20 FT WIDE 60 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	14	13,226	102	1,015	508	1,625
93101GC	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	11	11,620	87	870	435	1,392
93101GD	TYPE VI,20 FT WIDE 80 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.12 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	18	17,365	131	1,305	653	2,089
93101GE	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS.1 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	11	11,115	87	870	435	1,392
93101GF	TYPE VI,20 FT WIDE 100FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.14 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.1 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	225	21,204	174	1,740	870	2,784
93101GG	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.5 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	18,170	145	1,450	725	2,320

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101GH	TYPE IV,30 FT WIDE 100FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.5 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	34	28,685	247	2,465	1,233	3,945
93101GJ	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.12 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	18,818	145	1,450	725	2,320
93101GK	TYPE IV,30 FT WIDE 100FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.20 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	34	31,103	247	2,465	1,233	3,945
93101GL	TYPE I,20 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.7 3FTX4FT COM PROJ WINDOWS. 1 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	9	9,543	58	580	290	928
93101GM	TYPE I,20 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.7 3FTX4FT SINGLE HG AND 4 3FTX4FT SNG HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VEN PRE-ENGINEERED METAL BLDG.	4	14	14,033	87	870	435	1,392
93101GN	TYPE IV,40 FT WIDE 80 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.15 3FTX4FT COM PROJ WINDOWS. 1 2-3FTX7FT AND 3 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	8	36	30,945	261	2,610	1,305	4,176
93101GP	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,2IN CONC FLOOR.8 3FTX4FT COM PROJ WINDOWS. 1 2-3FTX7FT AND 5 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	19,310	145	1,450	725	2,320
93101GR	TYPE I,20 FT WIDE 30 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.6 3FTX4FT COM PROJ WINDOWS.1 2-3FT X 7FT AND 1 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	7	7,756	44	435	218	697

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101GT	TYPE I,20 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR. 3FTX4FT COM PROJ WINDOWS.1 2-3FT X 7FT AND 1 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	3	11	12,089	73	725	363	1,161
93101GU	TYPE IV,40FT WIDE 100FT LONG,8 FT CLDG HEIGHT,12 FT EAVE HEIGHT.4IN CONC FLOOR.20 3FTX4FT COM PROJ WINDOWS 3 2-3FT X 7FT AND 1 3FTX7FT PERS DOORS.2 24INX24IN AUTOMATIC LOUVERS. CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED META BLDG.	10	45	39,636	319	3,190	1,595	5,104
93101GV	TYPE II,80 FT WIDE 120 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.18 3FTX5FT COM PROJ WINDOWS.5 2-3FT X 7FT AND 1 3FTX7FT PERS DOORS.2-24INX24IN AUTOMATIC AND 1-12INX12IN LIGHTPRF LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	20	116	90,490	783	7,830	3,915	12,528
93101GW	TYPE I,20 FT WIDE 30 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,2IN CONC FLOOR.6 3FTX4FT COM PROJ WINDOWS. 2 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	2	7	6,074	44	435	218	697
93101GY	TYPE I,20 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT,2IN CONC FLOOR.12 3FTX4FT COM PROJ WINDOWS. 4 3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	3	11	10,546	73	725	363	1,161
93101HA	TYPE III,100 FT WIDE 200 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.21 3FTX5FT COM PROJ AND 1 2-3FT X5FT COM PROJ WINDOWS.4 2-3FTX7FT PERS DOORS.14-24INX24IN LIGHTPRF AND 3 30INX30IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	225	178,084	174	16,240	8,120	24,534
93101HB	TYPE III,40 FT WIDE 100 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.14 3FTX5FT COM PROJ WINDOWS. 1 2-3FTX7FT PERS DOORS.12 24INX24IN LIGHTPRF AND 2 30INX30IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	45	42,861	319	3,190	1,595	5,104

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101HC	TYPE II,60 FT WIDE 60 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT,4IN CONC FLOOR.9 3FTX5FT COM PROJ WINDOWS. 2.3-7FT PERS DOORS.4 24INX24IN LIGHTPRF AND 1 30INX30IN AUTOMATIC LOUVERS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	1	41	26,884	189	1,885	943	3,017
93101HD	TYPE I,40 FT WIDE 100FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.34 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	1	45	39,808	319	3,190	1,595	5,104
93101HE	TYPE II,80 FT WIDE 100FT LONG,18FT CLDG HEIGHT,18 FT EAVE HEIGHT.2IN CONC FLOOR.34 3FTX5FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	90	76,522	653	6,525	3,263	10,441
93101HF	TYPE VI,20 FT WIDE 60 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.9 3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG W/GDS WINDOWS.1 2-3FTX7FT PERS DOOR 3-ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGD METAL BLDG.	3	14	12,864	44	435	218	697
93101HG	TYPE VI,20 FT WIDE 100FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.18 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.4 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	23	21,458	160	1,595	798	2,553
93101HH	TYPE VI,20 FT WIDE 30 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.6 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.2 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	2	7	7,222	58	580	290	928
93101HJ	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.2IN CONC FLOOR.10 3FTX4FT SINGLE HG W/GDS WINDOWS.2 2-3FTX7FT PERS DOORS.2 ROUND ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG	3	11	11,108	87	870	435	1,392
93101HK	TYPE VI,20 FT WIDE 80 FT LONG,8 FT (LOW PT) CLDG HEIGHT, 10 FT (LOW SIDE) EAVE HEIGHT,2 IN CONC FLOOR,15 3FTX4FT SGL HG W/GD WINDOWS.3 2-3FTX7FT PERS DOORS.4 ROUND ROOF VENT. ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	9	17,028	131	1,305	653	2,089

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101HL	TYPE VI,40 FT WIDE 100FT LONG,8 FT CLDG HEIGHT,12 FT EAVE HEIGHT.2IN CONC FLOOR.12 3FTX4FT SGL HG W/GDS AND 7 3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.CON RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGD METAL BLDG.	10	45	38,356	319	3,190	1,595	5,104
93101HM	TYPE VI,40 FT WIDE 50 FT LONG,8 FT CLDG HEIGHT,12 FT EAVE HEIGHT.2IN CONC FLOOR(4IN IN VAULT).11 3FTX4FT COM PROJ WINDOWS.3 2-3FTX7FT PERS DOORS.CONT RIDGEROOF VENT.ALL WALL BATT R-6.PRE-ENGINEERED METAL BLDG.	5	101	20,275	160	1,595	798	2,553
93101HN	TYPE VI,40 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,12 FT EAVE HEIGHT.2IN CONC FLOOR(4IN IN VAULT).14 3FTX4FT COM PROJ WINDOWS.3 2-3FTX7FT PERS DOORS.CONTRIDGEROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	32	27,482	218	2,175	1,088	3,481
93101HP	TYPE IV,40 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,12 FT EAVE HEIGHT.2IN CONC(4IN IN VAULT).18 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	9	41	34,816	290	2,900	1,450	4,640
93101HR	TYPE IV,80 FT WIDE 140 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.13 3FTX5FT COM PROJ WINDOWS.1 2-3FT X 7FT PERS DOOR.7 10FTX10FT SINGLE SIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	24	126	94,687	899	8,990	4,495	14,384
93101HT	TYPE IV,80 FT WIDE 200 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.17 2-3FTX4FT COM PROJ WINDOWS.1 2-3FT 7FT PERS DOORS.9 10FTX10FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	34	180	133,945	1,291	12,905	6,453	20,649
93101HU	TYPE IV,80 FT WIDE 240 FT LONG,14 FT CLDG HEIGHT,18 FT EAVE HEIGHT.4IN CONC FLOOR.19 2-3FTX4FT COM PROJ WINDOWS.1 2-3FT 7FT PERS DOOR.11 10FTX10FT SINGLE SLIDE DOORS.CONT RIDGE ROOF VENT.PRE-ENGINEERED METAL BLDG.	40	216	160,705	1,552	15,515	7,308	24,375
93101HV	TYPE IV,40 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.16 2-3FTX4FT SINGLE HG W/GDS WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT PRE-ENGINEERED METAL BLDG.	5	27	20,908	189	1,885	943	3,017

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101HW	TYPE IV,40 FT WIDE 100FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.24 2-3FTX4FT SINGLE HG WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	8	45	33,833	319	3,190	1,595	5,104
93101HY	TYPE IV,40 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.13 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	5	27	20,020	189	1,885	943	3,017
93101JA	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	4	20	15,765	145	1,450	725	2,320
93101JB	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.10 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	4	20	17,685	145	1,450	725	2,320
93101JC	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT COM PROJ WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	18,450	145	1,450	725	2,320
93101JF	TYPE IV,40 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.12 3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	32	18,578	218	2,175	1,088	3,481
93101JG	TYPE IV,40 FT WIDE 90 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.16 3FTX4FT SINGLE HG AND 2 3FTX4FT SINGLE HG W/GDS WINDOWS.4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	9	41	34,460	290	2,900	1,450	4,640
93101JH	TYPE IV,30 FT WIDE 40 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.11 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	3	14	11,062	87	870	435	1,392

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101JJ	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.14 3FTX4FT COM PROJ WINDOWS. 2 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT. PRE-ENGINEERED METAL BLDG.	4	20	16,023	145	1,450	725	2,320
93101JK	TYPE IV,40 FT WIDE 70 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.14 2-3FTX4FT SINGLE HG AND 3 3FTX4FT SINGLE HG W/GDS WINDOWS 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	7	32	27,380	218	2,175	1,088	3,481
93101JL	TYPE IV,30 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.4IN CONC FLOOR.11 2-3FTX4FT SINGLE HG WINDOWS. 3 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	5	20	18,705	145	1,450	725	2,320
93101JM	TYPE IV,40 FT WIDE 60 FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.12 3FTX4FT COM PROJ WINDOWS. 4 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	6	27	23,645	189	1,885	943	3,017
93101JN	TYPE II,60 FT WIDE 260FT LONG,8 FT CLDG HEIGHT,10 FT EAVE HEIGHT.2IN CONC FLOOR.52 3FTX4FT COM PROJ WINDOWS. 9 2-3FTX7FT PERS DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENGINEERED METAL BLDG.	35	176	134,853	1,262	12,615	6,235	20,112
93101JP	TYPE VI,20 FT WIDE 40 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.3 3FTX4FT COM PROJ WINDOWS.3 2-3FTX7FT PERS DOORS.2 ROUND ROOF VENT. PRE-ENGINEERED METAL BLDG.	2	90	7,028	58	580	290	928
93101JR	TYPE VI,20 FT WIDE 70 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT COM PROJ WINDOWS.3 2-3FTX7FT AND 1 3FTX7FT PERS DOORS.3 ROUND ROOF VENT. PRE-ENGINEERED METAL BLDG.	3	16	12,364	102	1,015	508	1,625
93101JT	TYPE VI,20 FT WIDE 50 FT LONG,8 FT(LOW PT)CLDG HEIGHT,10 FT (LOW SIDE)EAVE HEIGHT.4IN CONC FLOOR.6 3FTX4FT COM PROJ WINDOWS.2 2-3FTX7FT PERS DOORS.2 ROUND ROOF VENT. PRE-ENGINEERED METAL BLDG.	2	11	8,533	87	870	435	1,392

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101KA	TYPE IV,50 FT.WIDE 80 FT.LONG, 8 FT CLDG HEIGHT 10 FT.EAVE HEIGHT 2IN. CONC FLOOR.20 3FT.X4FT.SINGLE HG WINDOWS.4 3X7 FT.PERS.DOORS.CONT RIDGE ROOF VENT ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	7	34	32,000	232	2,066	1,125	3,423
93101KG	TYPE IV,60 FT.WIDE 80 FT.LONG, 8 FT CLDG HEIGHT 10 FT.EAVE HEIGHT 2IN. CONC FLOOR.20 3FT.X4FT.SINGLE HG WINDOWS.4 3X7 FT.PERS.DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	8	37	34,000	249	2,103	1,160	3,512
93101KP	TYPE IV;30FT WIDE 60FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT;4IN CONC FLOOR.8 4FTX4FT COM PROJ WINDOWS. 2 3FTX7FT PERS DOORS.2 ROUND ROOF VENTS.1 LOUVER. ALL WALLS BATT R. PRE-ENGINEERED METAL BLDG.	4	20	15,765	145	1,450	725	2,320
93101KT	TYPE IV;30FT WIDE 60FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT;4IN CONC FLOOR.4 2-3FT X 7FT PERS DOORS. 2 3FTX7FT PERS DOORS. 1 ROUND ROOF VENT.12 3FTX2FT6IN LOUVERS. PRE-ENGINEERED METAL BUILDING.	4	20	15,765	145	1,450	725	2,320
93101KU	TYPE 1;20FT WIDE 100FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR. 14 3FTX4FT SINGLE HG WINDOWS. 2 2-3FTX7FT PERS DOORS. ALL WALLS BATT R-6. PRE-ENGINEERED METAL BUILDING.	6	23	21,000	160	1,595	798	2,553
93101KV	TYPE I;20FT WIDE 100FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.14 3FTX4FT SINGLE HG WINDOWS.	6	23	21,450	160	1,595	798	2,553
93101KW	TYPE I;20FT WIDE 100FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.14 3FTX4FT SINGLE HG WINDOWS. 2 2-3FTX7FT PERS DOORS.14 3FTX2FT6IN LOUVERS. PRE-ENGINEERED METAL BLDG.	6	23	21,450	160	1,595	798	2,553
93101KY	TYPE I;20FT WIDE 100FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.4IN CONC FLOOR.14 3FTX4FT SINGLE HG WINDOWS. 2 2-3FTX7FT PERS DOORS. ALL WALLS BATT R6. PRE-ENGINEERED METAL BLDG.	6	23	21,450	160	1,595	798	2,553

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101LA	TYPE I; 20FT WIDE 50FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT PERS DOORS.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BLDG.	3	11	12,100	87	870	435	1,392
93101LB	TYPE I;20FT WIDE 50FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT PERS DOORS.9 3FTX2FT6IN LOUVERS. PRE-ENGINEERED METAL BLDG.	3	11	12,100	87	870	435	1,392
93101LC	TYPE I; 20FT WIDE 50FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT PERS DOORS.9 3FTX2FT6IN LOUVERS PRE-ENGINEERED METAL BLDG.	3	11	12,100	87	870	435	1,392
93101LD	TYPE 1;20FT WIDE 50FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS 3 3FTX7FT PERS DOORS.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BLDG.	3	11	12,100	87	870	435	1,392
93101LE	TYPE I;40FT WIDE 70FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT < 3 2-3FT X 7FT PERS DOORS.1 ROUND ROOF VENT ALL WALLS BATT R-6. PRE-ENGINEERED METAL BUILDING.	7	30	27,000	180	1,740	870	2,790
93101LF	TYPE I; 40FT WIDE 70FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 2 3FT X 7FT < 3 2-3FT X 7FT PERS DOORS.9 3FTX2FT6IN LOUVERS ROUND ROOF VENT; PRE-ENGINEERED METAL BUILDING.	7	30	27,000	180	1,740	870	2,790
93101LG	TYPE I;40FT WIDE 70FT LONG;8FT CLDG HEIGHT; 10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT < 3 2-3FT X 7FT PERS DOORS.9 3FTX2FT6IN LOUVERS ROUND ROOF VENT; PRE-ENGINEERED METAL BLDG.	7	30	27,000	180	1,740	870	2,790
93101LH	TYPE I;40FT WIDE 70FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.4IN CONC FLOOR.9 3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT <3 2-3FT X 7FT PERS.DOORS.1 ROUND ROOF VENT. ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	7	30	27,000	180	1,740	870	2,790

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101MD	TYPE I;40FT WIDE 50FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.7 2-3FTX4FT SINGLE HG WINDOWS. 1.3FTX7FT PERS DOOR. 2 4FTX7FT DBL SLIDE DOORS. CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENG MET BLDG.	5	101	20,275	135	1,306	654	2,095
93101ME	TYPE I;40FT WIDE 100FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.10 2-3FTX4FT SINGLE HG WINDOWS. 3 3FTX7FT PERS DOORS.4 4FTX7FT DBL SLIDE DOORS. CONT RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENG METAL BLDG.	10	45	38,356	255	2,472	1,237	3,964
93101MF	TYPE I;20FT WIDE 30FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.4 2-3FTX4FT SINGLE HG WINDOWS. 2 3FTX7FT PERS DOORS.1 4FTX7FT DBL SLIDE DOOR. CONT.RIDGE ROOF VENT ALL WALLS BATT R-6. PRE-ENGINEERED METAL BUILDING. METAL BLDG 00000600SF	19	7	7,756	52	500	251	803
93101MG	TYPE I;20FT WIDE 50FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.4 2-3FTX4FT SINGLE HG WINDOWS 3 3FTX7FT PERS DOORS.1 4FTX7FT DBLE SLIDE DOORS. CONT RIDGE ROOF VENT.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BUILDING. METAL BLDG 00001000SF	3	11	12,089	87	870	435	1,392
93101MH	TYPE I;40FT WIDE 50FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.3 2-3FTX4FT SINGLE HG WINDOWS. 5 3FTX7FT PERS DOORS.2 4FTX7FT DBLE SLIDE DOORS. CONT.RIDGE ROOF VENT.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BUILDING. METAL BLDG 00002000SF	5	101	20,275	135	1,306	654	2,095
93101MJ	TYPE I;40FT WIDE 100FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.8 203FTX4FT SINGLE HG WINDOWS. 6 3FTX7FT PERS DOORS.2 4FTX7FT DBLE SLIDE DOORS. CONT.RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDGS.	10	45	38,356	255	2,472	1,237	3,964

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101MK	TYPE I;30FT WIDE 40FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.2 2-3FTX4FT SINGLE HG WINDOWS 1 3FTX7FT PERS DOOR. CONT.RIDGE ROOF VENT.ALL WALLS BATT R-6 PRE-ENGINEERED METAL BLDGS.	3	14	13,673	91	882	441	1,414
93101ML	TYPE I;40FT WIDE 60FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR.9 2-3FTX4FT SINGLE HG WINDOWS 1 2-3FTX7FT PERS DOOR. CONT.RIDGE ROOF VENT.ALL WALLS BATT R-6.PRE-ENG MET BLDG.	5	27	20,908	139	1,347	674	2,160
93101MM	TYPE I,40FT.WIDE BY 135FT LONG 14FT CLDG.HEIGHT 16FT EAVES 6EA.2-3X4FT SGL HUNG WINDOWS.1EA.3X7FT PERS.DOORS.7EA 12FT BY 13FT OVERHEAD DOORS.CONT.ROOF VENTS.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BUILDING.	12	50	64,000	290	3,118	1,740	5,148
93101MN	TYPE I 40FT.WIDE BY 75FT LONG 14FT CLDG HEIGHT 16FT EAVES 6EA.2-3X4FT SGL HUNG WINDOWS 1EA.3X7FT PERS DOORS 3EA 12FT BY 13FT OVERHEAD DOORS,CONT.ROOF VENTS.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BUILDING.	8	37	34,000	206	2,001	1,044	3,251
93101MP	TYPE II 60FT WIDE 100FT LONG 8FT CLDG HEIGHT 10FT EAVE HEIGHT.2IN CONC FLOOR.PRE-ENGINEERED METAL BUILDING	15	175	24,684	477	4,765	2,382	7,624
93101MR	TYPE IV;40FT WIDE 40FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR. PRE-ENGINEERED METAL BLDG.	4	180	14,056	126	1,257	628	2,011
93101MT	TYPE IV,40 FT.WIDE 70 FT.LONG, 8 FT CLDG HEIGHT 10 FT.EAVE HEIGHT 2IN. CONC FLOOR.18 3FT.X4FT.SINGLE HG WINDOWS.4 3X7 FT.PERS.DOORS.CONT RIDGE ROOF VENT.ALL WALLS BATT R-6. PRE-ENGINEERED METAL BLDG.	7	30	27,000	203	1,995	1,015	3,213
93101MU	TYPE I;40FT WIDE 130FT LONG;8FT CLDG HEIGHT;10FT EAVE HEIGHT.2IN CONC FLOOR PRE-ENGINEERED METAL BLDG.	13	60	54,000	332	3,215	1,608	5,155

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93101NB	TYPE I 60 FT WIDE 120 FT LONG 12 FT CLDG HEIGHT 14 FT EAVE HEIGHT 4IN CONC FLR 25 3X4FT SLIDING WINDOWS 2 3X7FT AND 0.2-3X7FT PERSONNEL DOORS CONT ROOF VENT ALL WALLS BATT R-6 PRE-ENGINEERED METAL BUILDING	16	355	63,663	418	4,176	2,088	6,682
93102AA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 8 FT HIGH		1	748		4	3	7
93102AB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 8 FT HIGH BUILDING, 4 FT WIDE 1 DOOR SECTION		1	532		4	3	7
93102AC	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 8 FT HIGH BUILDING, 4 FT WIDE 2 WINDOW SECTION		1	579		4	3	7
93102AD	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 8 FT HIGH BUILDING, 4 FT WIDE SOLID SECTION			288		4	3	7
93102AE	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 8 FT HIGH BUILDING, 2 FT WIDE SOLID SECTION			258		3	1	4
93102AF	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 20 FT HIGH	1	2	1,251	1	4	6	11
93102AG	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 20 FT HIGH BUILDING, 4 FT WIDE, 1 DOOR SECTION		1	736	1	4	6	11
93102AH	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 20 FT HIGH BUILDING, 4 FT WIDE 2 WINDOW SECTION		1	994	1	4	6	11
93102AJ	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 20 FT HIGH BUILDING, 4 FT WIDE SOLID SECTION		1	608	1	4	6	11
93102AK	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 20 FT WIDE AND 20 FT HIGH BUILDING, 2 FT WIDE SOLID SECTION			406	1	3	3	7
93102AL	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH WITH 1 WINDOW AND 1 DOOR		1	1,223		9	6	15

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102AM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 2 DOORS AND 2 WINDOWS	2	16	4,294		22	19	41
93102AN	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 2 WINDOWS	2	16	4,153		22	19	41
93102AP	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 4 WINDOWS	2	16	4,153		22	19	41
93102AR	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 10 FT BAY WITH 2 WINDOWS	2	8	2,710		12	10	22
93102AT	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 40 FT SECTION WITH 8 WINDOWS	6	33	9,682		12	10	22
93102AU	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 4 WINDOWS	4	17	6,451		22	19	41
93102BG	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 40 FT BAY WITH 4 WINDOWS AND 4 DOORS	8	43	12,547	9	52	35	96
93102BH	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH WITH 1 WINDOW AND 1 DOOR	1	2	1,646	1	9	6	16
93102BJ	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 2 WINDOWS	3	20	4,847	4	25	16	45
93102BK	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 4 WINDOWS	3	20	4,965	4	25	16	45
93102BL	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY SOLID SECTION	3	20	4,729	4	25	16	45
93102BM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 10 FT BAY SOLID SECTION	2	11	3,035	3	13	9	25

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102BN	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 2 WINDOWS AND 2 DOORS	3	20	4,989	4	25	16	45
93102BP	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 20 FT BAY WITH 1 WINDOW AND 1 DOOR	3	20	4,859	4	25	16	45
93102BR	EXTERIOR BAR, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 40 FT BAY WITH 12 WINDOWS	5	35	7,888	9	49	32	90
93102BT	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 DOORS	3	21	5,598	4	26	17	47
93102BU	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 4 WINDOWS	3	21	5,570	4	26	17	47
93102BV	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 8 BY 8 FT DOUBLE DOORS	3	23	5,775	4	26	17	47
93102BW	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 20 FT BAY SOLID SECTION	3	21	5,339	4	26	17	47
93102BY	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 40 FT BAY WITH 4 8 BY 8 FT DOUBLE DOORS	8	47	12,828	9	52	35	96
93102CA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH SOLID SECTION	1	3	2,308	1	10	6	17
93102CB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 DOORS	4	21	5,945	6	29	20	55
93102CC	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 2 WINDOWS	4	21	5,839	6	29	20	55
93102CD	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 4 WINDOWS	4	21	6,282	6	29	20	55

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93102CE	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 6 WINDOWS	4	21	6,039	6	29	20	55
93102CF	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 1 8 BY 8 FT DOUBLE DOOR	3	21	5,110	6	29	20	55
93102CG	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 DOORS	3	19	4,116	6	22	13	41
93102CH	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 8 WINDOWS	8	44	13,389	12	58	41	111
93102CJ	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 12 WINDOWS	9	44	14,456	12	58	41	111
93102CK	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 2 8 BY 8 FT DOUBLE DOORS	6	39	8,948	12	58	41	111
93102CL	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 4 WINDOWS AND 4 DOORS	6	39	9,320	12	44	26	82
93102CM	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 16 FT HIGH, WITH 1 WINDOW AND 1 DOOR	1	3	2,628	1	12	6	19
93102CN	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 16 FT HIGH, 20 FT BAY WITH 1 8 BY 8 FT DOUBLE DOOR	4	22	6,018	6	33	22	61
93102CP	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 16 FT HIGH, 20 FT BAY SOLID SECTION	3	19	4,751	6	33	22	61
93102CR	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 16 FT HIGH, 40 FT BAY WITH 18 WINDOWS	9	44	15,050	6	33	22	61
93102CT	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 DOORS	4	22	6,960	6	33	32	71
93102CU	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 1 WINDOW AND 1 DOOR	4	22	6,862	6	33	32	71

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102CV	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 2 WINDOWS	4	22	6,850	6	33	32	71
93102CW	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 1 12 BY 16 ROLL UP DOOR	4	22	7,787	6	36	35	77
93102CY	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 2 WINDOWS AND 2 DOORS	10	46	15,831	6	33	32	71
93102DA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 8 FT HIGH, SOLID SECTION	1	2	2,059	1	9	7	17
93102DB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 8 FT HIGH BUILDING 20 FT BAY WITH 2 DOORS AND 3 WINDOWS	4	24	6,158	6	25	25	56
93102DC	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 8 FT HIGH, 20 FT BAY SOLID SECTION	4	24	5,840	6	25	25	56
93102DD	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 8 FT HIGH BUILDING, 40 FT BAY WITH 4 DOORS AND 6 WINDOWS	7	45	10,425	12	49	49	110
93102DE	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 12 FT HIGH SOLID SECTION	1	3	2,760	3	9	9	21
93102DF	INTERIOR BAY;LIGHTWEIGHT STEEL PANEL BUILDING 50FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 DOORS AND 1 WINDOW	4	25	6,624	7	26	26	59
93102DG	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 WINDOWS	4	25	6,515	7	26	26	59
93102DH	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 1 16 BY 12 FT ROLL UP DOOR	4	25	6,220	7	38	38	83
93102DJ	EXTERIOR BAY;LIGHTWEIGHT STEEL PANEL BUILDING 50FT WIDE AND 12 FT HIGH, 40 FT BAY WITH 4 DOORS AND 2 WINDOWS	9	52	14,783	15	52	52	119

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102DK	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 14 FT HIGH SOLID SECTION	2	4	3,045	3	10	9	22
93102DL	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 1 DOOR AND 2 WINDOWS	4	26	6,932	7	28	26	61
93102DM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 14 FT HIGH, 10 FT BAY SOLID SECTION	3	13	4,256	4	15	13	32
93102DN	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 50 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 2 DOORS AND 4 WINDOWS	10	53	15,955	15	55	52	122
93102EA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 12 FT HIGH, SOLID SECTION	1	3	3,119	3	10	9	22
93102EB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 DOORS	5	29	7,236	7	29	29	65
93102EC	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 12 FT HIGH, 40 FT BAY WITH 4 WINDOWS	10	59	14,475	15	58	58	131
93102ED	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, SOLID SECTION	2	4	3,467	3	12	10	25
93102EE	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 6 WINDOWS	5	29	7,504	7	33	33	73
93102EF	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, 20 FT BAY, SOLID SECTION	5	30	7,546	7	33	33	73
93102EG	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 2 DOORS AND 3 WINDOWS	5	30	7,865	7	33	33	73
93102EH	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, 20 FT BAY WITH 7 WINDOWS	5	30	7,959	7	33	33	73
93102EJ	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 14 FT HIGH, 40 FT BAY WITH 4 DOORS AND 6 WINDOWS	11	61	17,040	15	67	67	149

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102EK	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, WITH 1 DOOR AND 1 WINDOW	2	5	4,289	3	13	13	29
93102EL	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 12 BY 16 ROLL UP DOOR	5	31	10,940	9	48	46	103
93102EM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 1 8 BY 8 DOUBLE DOOR	5	31	8,487	9	42	41	92
93102EN	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE	5	30	8,594	9	42	41	92
93102EP	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 1 12 BY 16 ROLL UP DOOR	5	31	9,661	9	42	41	92
93102ER	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 1 DOOR AND 13 WINDOWS	5	30	8,995	9	42	41	92
93102ET	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 12 WINDOWS	5	30	8,866	9	48	46	103
93102EU	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY, SOLID SECTION	3	24	4,149	9	42	41	92
93102EV	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 20 FT BAY WITH 2 12 BY 16 ROLL UP DOORS	5	31	10,853	9	42	41	92
93102EW	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 40 FT BAY WITH 4 WINDOWS AND 2 12 BY 16 ROLL UP DOORS	11	61	17,192	17	90	87	194
93102FA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE 20 FT HIGH	2	6	4,337	3	15	15	33
93102FB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 4 WINDOWS AND 2 12 BY 16 ROLLUP DOORS	5	32	11,665	9	51	49	109

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93102FC	INTERIOR BAY,LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 4 WINDOWS	4	11	8,574	9	45	44	98
93102FD	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY, SOLID SECTION	6	31	8,708	9	45	44	98
93102FE	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 1 12 BY 16 ROLL UP DOOR	5	31	10,027	9	49	46	104
93102FF	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 4 DOORS	5	31	8,967	9	45	44	98
93102FG	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 2 12 BY 16 ROLL UP DOORS	5	32	11,372	9	51	49	109
93102FH	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 1 16 BY 18 ROLL UP DOOR	5	32	10,843	9	48	46	103
93102FJ	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 8 WINDOWS AND 4 12 BY 16 ROLL UP DOORS	13	66	25,561	17	90	87	194
93102FK	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 8 WINDOWS	13	64	20,237	17	90	87	194
93102FL	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 4 12 BY 16 ROLL UP DOOR	12	66	25,212	17	102	99	218
93102FM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 12 FT HIGH, 20 FT BAY WITH 2 WINDOWS AND 2 8 BY 8 DOORS	3	27	4,757	7	29	29	65
93102GA	INSULATION PACKAGE FOR LIGHTWEIGHT STEEL PANEL BUILDINGS, R-6, 1000 SF, DESERT/TROPIC CLIM		2	350		23		23
93102GD	STRIP FOOTINGS WITH REINFORCING STEEL PACKAGE, 100 LF	2	1	84	6		23	29

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93102GE	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 30/40 FT WIDE BUILDING, 12 FT HIGH AND LESS			24	3	9	9	21
93102GF	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 30/40 FT WIDE BUILDING, TALLER THAN 12 FT HIGH	1		32	3	10	10	23
93102GG	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 50/60 FT WIDE BUILDING, 12 FT HIGH AND LESS	1	1	40	3	10	10	23
93102GH	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 50/60 FT WIDE BUILDING TALL THAN 12 FT HIGH	1	1	55	3	12	12	27
93102GL	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 90 FT TENSION FABRIC MEMBRANE BUILDING	1	1	86	3	10	10	23
93102GN	ISOLATED FOOTING WITH REINFORCING STEEL PACKAGE, 124 FT TENSION FABRIC MEMBRANE BUILDING	1	1	90	3	12	12	27
93102HA	BASIC BUILDING, LIGHTWEIGHT TENSION FABRIC MEMBRANE BUILDING, 90 BY 140 BY 12/34	12	10	39,928	44	260	260	564
93102HB	INTERIOR BAY, LIGHTWEIGHT TENSION FABRIC MEMBRANE BUILDING, 90 BY 50 BY 34	11	11	70,972	65	296	296	657
93102HC	BASIC BUILDING, LIGHTWEIGHT TENSION FABRIC MEMBRANE BUILDING, 124 BY 184 BY 14/42	19	11	71,559	17	38	38	93
93102HD	INTERIOR BAY, LIGHTWEIGHT TENSION FABRIC MEMBRANE BUILDING, 124 BY 60 BY 42	10	9	62,732	26	41	41	108
93102JA	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING, 20 FT WIDE AND 16 FT HIGH, SOLID SECTION	1	2	1,421		4	4	8
93102JB	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 20 FT WIDE AND 16 FT HIGH, 4 FT BAY, SOLID SECTION		1	565		4	4	8
93102JC	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 20 FT WIDE AND 16 FT HIGH, 4 FT BAY, WITH 1 WINDOW AND 1 DOOR		1	744		4	4	8

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102JD	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 40 FT WIDE AND 8 FT HIGH, 20 FT BAY, WITH 2 8 BY 8 FT DOORS	2	17	2,834	4	25	16	45
93102JE	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING, 20 FT WIDE AND 8 FT HIGH, WITH 1 8 BY 8 FT DOOR		2	942		4	3	7
93102JF	ENDWALL UNIT LIGHTWEIGHT STEEL PANEL BUILDING 40FT WIDE AND 8 FT HIGH, WITH 1 4 BY 7 FT DOOR AND 1 8 BY 8 FT DOOR		1	1,456	1	9	6	16
93102JG	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 20 FT HIGH, WITH 2 16 BY 18 FT ROLL UP DOORS	3	5	4,202	3	15	15	33
93102JH	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 40 FT WIDE AND 8 FT HIGH, 40 FT BAY, WITH 4 WINDOWS AND 3 DOORS	4	10	7,141	9	49	32	90
93102JJ	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 50 FT WIDE AND 14 FT HIGH, 20 FT BAY, WITH 2 16 BY 12 FT ROLL UP DOORS	4	24	5,709	15	61	58	134
93102JK	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING, 30 FT WIDE AND 14 FT HIGH, WITH 1 WINDOW AND 1 DOOR	1	2	1,690	1	9	7	17
93102JL	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 30 FT WIDE AND 14 FT HIGH, 40 FT BAY, WITH 2 DOORS	6	34	11,155	6	44	49	99
93102JM	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 30 FT WIDE AND 14 FT HIGH, 20 FT BAY, WITH 8 WINDOWS	3	17	5,339	3	22	25	50
93102KJ	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH	1	2	2,052	1	9	6	16
93102KK	ENDWALL UNIT, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, SOLID SECTION	2	4	2,920	1	12	10	23
93102KL	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 30 FT WIDE AND 8 FT HIGH BUILDING, 40 FT SECTION WITH 4 WINDOWS AND 4 DOORS	5	33	9,269		44	38	82

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102KM	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 8 FT HIGH BUILDING, 40 FT BAY WITH 8 WINDOWS	7	41	11,058	9	49	32	90
93102KN	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 40 FT BAY WITH 8 WINDOWS	7	43	12,237	9	52	35	96
93102KP	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 12 FT HIGH, 40 FT BAY SOLID SECTION	7	43	11,775	9	52	35	96
93102KR	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 16 FT HIGH, 40 FT BAY WITH 4 WINDOWS AND 4 DOORS	8	44	13,676	12	67	44	123
93102KT	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 4 WINDOWS AND 4 DOORS	10	46	16,056	12	67	64	143
93102KU	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 40 FT WIDE AND 20 FT HIGH, 40 FT BAY WITH 2 12 BY 16 FT ROLL UP DOOR AND 8 WINDOWS	9	45	18,469	12	78	70	160
93102KV	EXTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING, 60 FT WIDE AND 18 FT HIGH, 40 FT BAY WITH 4 DOORS AND 10 WINDOWS	12	62	18,363	17	84	81	182
93102KW	INTERIOR BAY, LIGHTWEIGHT STEEL PANEL BUILDING 60 FT WIDE AND 18 FT HIGH, 10 FT BAY WITH 7 WINDOWS	4	16	5,872	4	22	20	46
93102LA	BARRACKS TYPE,BASIC BUILDING,LIGHTWEIGHT STEEL PANEL BUILDING, 20 BY 20, 8 FT MIN CLEARANCE, TEMP CLIM	4	11	5,200				
93102LB	WAREHOUSE TYPE, BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 30 BY 30 FOR PERSONNEL USE, 8 FOOT MINIMUM CLEARANCE, TEMP CLIM	5	13	6,800				
93102LC	BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 40 BY 40, WITH CONCRETE FOUNDATION, 20 FOOT MINIMUM CLEARANCE, TEMP CLIM	6	16	8,200				
93102LD	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 60, 20 FT MINIMUM CLEARANCE, TEMP CLIM	7	22	10,400				

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102LE	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 80, 20 FT MINIMUM CLEARANCE, TEMP CLIM	9	26	13,600				
93102LG	BARRACKS TYPE, BASIC BUILDING LIGHTWEIGHT STEEL PANEL BUILDING, 20 BY 20, 8 FT MIN CLEARANCE, DESERT/TROPIC CLIM	7	22	10,400				
93102LH	WAREHOUSE TYPE, BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 30 BY 30 FOR PERSONNEL USE, 8 FOOT MINIMUM CLEARANCE, DESERT/TROPIC CLIM	8	23	12,800				
93102LJ	BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 40 BY 40, WITH CONCRETE FOUNDATION, 20 FOOT MINIMUM CLEARANCE, DESERT/TROPIC CLIM	11	28	14,500				
93102LK	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 60, 20 FT MINIMUM CLEARANCE, DESERT/TROPIC CLIM	14	37	19,200				
93102LL	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 80, 20 FT MINIMUM CLEARANCE, DESERT/TROPIC CLIM							
93102LM	BARRACKS TYPE, BASIC BUILDING LIGHTWEIGHT STEEL PANEL BUILDING, 20 BY 20, 8 FT MIN CLEARANCE, FRIGID CLIM	16	45	24,000				
93102LN	WAREHOUSE TYPE, BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 30 BY 30 FOR PERSONNEL USE, 8 FOOT MINIMUM CLEARANCE, FRIGID CLIM	12	32	16,400				
93102LP	BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 40 BY 40, WITH CONCRETE FOUNDATION, 20 FOOT MINIMUM CLEARANCE, FRIGID CLIM	14	37	19,200				
93102LR	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 80, 20 FT MINIMUM CLEARANCE, FRIGID CLIM	24	63	32,600				
93102LT	SHOP TYPE BASIC BUILDING, LIGHTWEIGHT STEEL PANEL BUILDING, 60 BY 60, 20 FT MINIMUM CLEARANCE, FRIGID CLIM	28	73	38,000				

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST HOR	EFFORT IN MAN-HOURS VERT	EFFORT IN MAN-HOURS GENL	EFFORT IN MAN-HOURS TOT
93102MA	BUILDING, LIGHTWEIGHT STEEL PANEL 20X30X8, WINDOWS 1 PERSONNEL DOOR					20	13	33
93102MB	BLDG, LTWT STL PNL 20X50X8 1 PERSONNEL DOOR					20	13	33
93102MC	BLDG, LTWT STL PNL 20X24X8 1 PERSONNEL DOOR					17	12	29
93102MD	BUILDING, LIGHTWEIGHT STEEL PANEL 20X20X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					17	12	29
93102ME	BUILDING, LIGHTWEIGHT STEEL PANEL 20X100X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					17	12	29
93102MG	BUILDING, LIGHTWEIGHT STEEL PANEL 20X40X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					20	13	33
93102MH	BUILDING, LIGHTWEIGHT STEEL PANEL 20X10X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					16	10	26
93102MJ	BUILDING, LIGHTWEIGHT STEEL PANEL 20X60X8FT, 2 WINDOWS AND 1 PERSONNEL DOOR					17	12	29
93102MK	BUILDING, LIGHTWEIGHT STEEL PANEL 20X80X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					17	12	29
93102MM	BUILDING, LIGHTWEIGHT STEEL PANEL 20X50X8FT, 2 WINDOWS AND 1 PERSONEL DOOR					20	13	33
93102NA	BLDG, LTWT STL PNL 30X70X8 1 PERSONNEL DOOR					54	45	99
						75	64	139
93102NC	BUILDING, LIGHTWEIGHT STEEL PANEL 30X100X8FT, 17 WINDOWS 3 PERSONEL DOORS					86	73	159

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102ND	BUILDING, LIGHTWEIGHT STEEL PANEL 30X110X8FT, 17 WINDOWS 3 PERSONEL DOORS					75	64	139
93102NE	BUILDING, LIGHTWEIGHT STEEL PANEL 30X40X8FT, 7 WINDOWS AND 3 PERSONEL DOORS					64	54	118
93102NF	BUILDING, LIGHTWEIGHT STEEL PANEL 30X50X8FT, 9 WINDOWS AND 3 PERSONEL DOORS					64	54	118
93102NG	BUILDING, LIGHTWEIGHT STEEL PANEL 30X80X8FT, 15 WINDOWS AND 3 PERSONEL DOORS					64	54	118
93102NH	BUILDING, LIGHTWEIGHT STEEL PANEL 30X60X8FT, 11 WINDOWS AND 3 PERSONEL DOORS					42	35	77
93102PA	BLDG, LTWT STL PNL 40X50X8 PERSONEL DOOR AND 1 VEHICLE DOOR				13	71	46	130
93102PB	BLDG, LTWT STL PNL 40X100X8 2 PERSONNEL DOORS, AND 2 VEHICLE DOORS				19	107	70	196
93102PC	BLDG, LTWT STL PNL 40X100X12 2 PERSONNEL DOORS AND 2 VEHICLE DOORS				23	139	93	255
93102PD	BLDG, LTWT STL PNL 40X100X14 2 PERSONEL DOORS				17	65	39	121
93102PE	BLDG, LTWT STL PNL 40X120X14 6 PERSONEL DOORS				17	65	39	121
93102PF	BUILDING, LIGHTWEIGHT STEEL PANEL 40X90X8FT, 17 WINDOWS AND 3 PERSONEL DOORS				26	136	88	250
93102PG	BUILDING, LIGHTWEIGHT STEEL PANEL 40X110X8FT, 21 WINDOWS 3 PERSONEL DOORS				26	136	88	250
93102PH	BUILDINGC LIGHT WEIGHT STEEL PANEL 40X120X8FT, 21 WINDOWS 3 PERSONEL DOORS				23	132	86	241

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93102PJ	BUILDING, LIGHTWEIGHT STEEL PANEL 40X80X8FT, 14 WINDOWS AND 3 PERSONEL DOORS				19	107	70	196
93102PK	BUILDING, LIGHTWEIGHT STEEL PANEL 40X60X8FT, 9 WINDOWS AND 1 PERSONEL DOOR				15	83	54	152
93102PL	BUILDING, LIGHTWEIGHT STEEL PANEL 40X70X8FT, 10 WINDOWS AND 2 PERSONEL DOORS				17	96	77	190
93102RA	BLDG, LTWT STL PNL 90X140X14 AND 1 VEHICLE DOOR				44	260	260	564
93102RB	BLDG, LTWT STL PNL 90X240X14 AND 2 VEHICLE DOORS				109	555	555	1,219
93102TA	BUILDING, LIGHWEIGHT STEEL PANEL 50X150FT, 6 WINDOWS AND 3 3 PERSONEL DOORS				29	107	100	236
93102TB	BUILDING, LIGHTWEIGHT STEEL PANEL 50X130X14FT, 4 WINDOWS, 2 PERSONEL DOORS AND 2 VEHICLE DOORS				36	141	132	309
93111AA	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMAT,BASIC BUILDING, ONE STORY,20FT W X 20FT L,CONCRETE FLOOR,CONCRETE FOOTINGS, 8FT MIN CLEARANCE	10	11	1,683	29	171	46	246
93111AB	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMATE,ADDITIONAL BAY, ONE STORY,20FT W X 10FT L,CONCRETE FLOOR,CONCRETE FOOTINGS, 8FT MIN CLEARANCE	4	5	728	3	48	17	68
93111AC	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,20FT W X 20FT L,CONCRETE FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	12	14	2,401	29	165	46	240
93111AD	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,20FT X 10FT L,CONCRETE FLOOR, CONCRETE FOOTINGS,8FT MIN CLEARANCE	5	6	1,095	3	52	17	72

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111AE	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION BARRACKS TYPE,BASIC BUILDING, 30FT WX 40FT L,WOOD & ASPH ROOFING, CONCRETE FOUNDATION,8FT MIN CLEARANCE	27	29	3,934	41	406	78	525
93111AF	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION BARRACKS TYPE,ADDITIONAL 10FT BAY FOR 30FT WIDE BLDG,WOOD & FELT ROOFING,CONCRETE FOUNDATION,8FT MIN CLEARANCE	6	7	924	3	94	17	114
93111AG	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION BARRACKS TYPE,BASIC BUILDING, 30FT WX 40FT L,CORRUGATED STEEL ROOF, CONCRETE FOUNDATION,8FT MIN CLEARANCE	9	13	2,083	41	450	78	569
93111AH	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION BARRACKS TYPE,ADDITIONAL 10FT BAY FOR 30FT WIDE BLDG,CORRUGATED STEEL ROOF,CONCRETE FOUNDATION,8FT MIN CLEAR	4	6	915	3	84	17	104
93111AJ	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMATE,BASIC BUILDING, ONE STORY,40FT W X 50FT L,CONCRETE FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	42	44	5,872	46	632	139	817
93111AL	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,20FT W X 20FT L,WOOD FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	10	15	2,739	46	635	139	820
93111AM	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,20FT W X 10FT L,WOOD FLOOR,CONC FOOTINGS,8FT MIN CLEARANCE	4	7	1,279	3	135	23	161
93111AN	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMATE,BASIC BUILDING, ONE STORY,20FT W X 20FT L, WOOD FLOOR, WOOD FOOTINGS,8FT MIN CLEARANCE	7	12	2,029	3	133	6	142
93111AR	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,20FT W X 20FT L,WOOD FLOOR, WOOD FOOTINGS,8FT MIN CLEARANCE	8	14	2,695	423	223	647	1,293

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111AT	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,20FT W X 10FT L,WOOD FLOOR, WOOD FOOTINGS,8FT MIN CLEARANCE	4	6	1,260		196	107	303
93111AW	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,30FT W X 40FT L,WOOD FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	23	35	6,199	4	122	20	146
93111AY	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,30FT W X 10FT L,WOOD FLOOR,CONC FOOTINGS,8FT MIN CLEARANCE	5	8	1,546	6	177	23	206
93111BA	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMATE,BASIC BUILDING, ONE STORY,30FT W X 40FT L, WOOD FLOOR, WOOD FOOTINGS,8FT MIN CLEARANCE	17	27	4,748	6	238	23	267
93111BB	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,LINED FOR TEMPERATE CLIMATE,ADDITIONAL BAY, ONE STORY,30FT W X 10FT L, WOOD FLOOR, WOOD FOOTINGS,8FT MIN CLEARANCE	4	6	1,122	4	131	20	155
93111BC	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,30FT W X 40FT L,WOOD FLOOR,WOOD FOOTINGS,8FT MIN CLEARANCE	20	32	6,157	6	189	23	218
93111BD	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,30FT W X 10FT L,WOOD FLOOR,WOOD FOOTINGS,8FT MIN CLEARANCE	5	8	1,544	6	247	23	276
93111BE	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,30FT W X 40FT L,CONC FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	29	33	5,327	6	165	23	194

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111BF	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,30FT W X 40FT L,CONC FLOOR,CONC FOOTINGS,8FT MIN CLEARANCE	7	8	1,365	3	81	6	90
93111BG	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,40FT W X 50FT L,CONCRETE FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	45	49	7,915	3	58	6	67
93111BL	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,40FT W X 50FT L,WOOD FLOOR,CONCRETE FOOTINGS,8FT MIN CLEARANCE	34	52	9,309	6	1,557	1,044	2,607
93111BM	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,40FT W X 10FT L,WOOD FLOOR,CONC FOOTINGS,8FT MIN CLEARANCE	6	10	1,711	1	290	218	509
93111BR	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE,BASIC BUILDING,ONE STORY,40FT W X 50FT L,WOOD FLOOR,WOOD FOOTINGS,8FT MIN CLEARANCE	28	45	8,928		1,349	835	2,184
93111BT	BARRACKS TYPE,WOOD FRAME W/WOOD ROOF,ASPHALT ROOFING AND PLYWOOD SIDING,INSULATED CEILING FOR TROPIC CLIMATE, ADDITIONAL BAY,ONE STORY,40FT W X 10FT L,WOOD FLOOR,WOOD FOOTINGS,8FT MIN CLEARANCE	6	9	1,700		254	184	438
93111DA	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 32FT WX32FT L,WOOD ROOF & ASPH ROOFING , CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	28	29	3,330	29	325	58	412
93111DB	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 32FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	30	32	4,280	29	305	58	392

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111DC	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 32FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	14	15	1,788	9	174	41	224
93111DD	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 32FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	15	16	2,254	9	168	41	218
93111DE	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 48FT WX32FT L,WOOD ROOF & ASPH ROOFING , CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	40	41	4,487	29	490	70	589
93111DF	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 48FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	43	46	6,096	29	481	70	580
93111DG	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 48FT WIDE BLDG,WOOD ROOF & ASPH ROOFING,CONCRETE FOOTINGS,13FT 9IN MIN CLEARANCE TEMPERATE CLIMATE	19	19	2,143	9	248	64	321
93111DH	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 48FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	20	21	2,769	9	218	64	291
93111DJ	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 64FT WX32FT L,WOOD ROOF & ASPH ROOFING , CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	54	54	6,114	35	618	87	740
93111DK	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 64FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	57	60	7,860	35	603	87	725

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111DL	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 64FT WIDE BLDG,WOOD ROOF & ASPH ROOFING,CONCRETE FOOTINGS,13FT 9IN MIN CLEARANCE TEMPERATE CLIMATE	24	23	2,495	9	328	87	424
93111DM	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 64FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	25	26	3,232	9	310	87	406
93111DN	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 80FT WX32FT L,WOOD ROOF & ASPH ROOFING, CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	65	65	7,079	35	742	104	881
93111DP	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 80FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	69	73	9,438	35	731	104	870
93111DR	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 80FT WIDE BLDG,WOOD ROOF & ASPH ROOFING,CONCRETE FOOTINGS,13FT 9IN MIN CLEARANCE TEMPERATE CLIMATE	29	28	2,851	12	396	102	510
93111DT	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 80FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	31	31	3,746	12	380	102	494
93111DU	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 96FT WX32FT L,WOOD ROOF & ASPH ROOFING, CONCRETE FOOTINGS,TEMPERATE CLIMATE,13FT 9IN MIN CLEARANCE	78	78	8,380	35	885	122	1,042
93111DV	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 96FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	82	86	10,987	35	858	122	1,015

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111DW	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 96FT WIDE BLDG,WOOD ROOF & ASPH ROOFING,CONCRETE FOOTINGS,13FT 9IN MIN CLEARANCE TEMPERATE CLIMATE	34	32	3,222	12	465	128	605
93111DY	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 96FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,13FT 9IN MIN CLEARANCE	35	35	4,229	12	455	128	595
93111FB	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BUILDING,ONE STORY,20X48,CONCRETE FLOOR	28	30	5,877	9	690	510	1,209
93111FD	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,ONE STORY,20FT W,CONCRETE FLOOR	6	7	1,370	3	203	107	313
93111FF	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BUILDING,ONE STORY,20X48,WOOD FLOOR	39	44	9,228	9	963	744	1,716
93111FH	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,ONE STORY,20FT W,WOOD FLOOR	8	9	1,945	1	260	154	415
93111FK	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BUILDING,ONE STORY,30X48,CONCRETE FLOOR	37	39	7,326	13	773	668	1,454
93111FM	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,ONE STORY,30FT W,CONCRETE FLOOR	8	9	1,650	3	226	142	371
93111FP	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BUILDING,ONE STORY,30X48,WOOD FLOOR	47	54	11,495	9	1,146	969	2,124

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111FT	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,ONE STORY,30FT W,WOOD FLOOR	9	10	2,364	1	290	177	468
93111FV	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BUILDING,TWO STORY,20X48,CONCRETE 1ST AND WOOD 2ND FLOOR	41	48	10,218	10	1,262	747	2,019
93111FY	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,TWO STORY,20FT W,CONCRETE 1ST AND WOOD 2ND FLOOR	8	9	2,074	3	360	135	498
93111GB	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BLDG,TWO STORY,20X48,WOOD 1ST AND 2ND FLOOR	51	61	13,415	9	1,534	961	2,504
93111GD	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,TWO STORY,20FT W,WOOD 1ST AND 2ND FLOOR	9	11	2,668	1	418	183	602
93111GF	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, BASIC BLDG,TWO STORY,30X48,CONCRETE 1ST AND WOOD 2ND FLOOR	55	63	13,192	15	1,433	972	2,420
93111GH	GEN PURP BLDG,WOOD FRAME W/WOOD ROOF,ASPH ROOFING AND PLYWOOD SIDING,INSULATED ROOF PURLINS FOR TROPIC CLIMATE, 12FT BAY ADDITION,TWO STORY,30FT W,CONCRETE 1ST AND WOOD 2ND FLOOR	11	13	2,680	3	409	183	595
93111GJ	GEN PURP BLDG. WOOD FRAME W/WOOD ROOF; ASPH ROOFING + PLYWOOD SIDING;INSULATED FOR TEMPERATE CLIMATE %-20DEGF; BASIC BUILDING;TWO STORY; 30X48; WOOD FIRST + SECOND FLOOR	84	123	29,610				
93111GK	GEN PURP BLDG;WOOD FRAME W/WOOD ROOF; ASPH ROOFING + PLYWOOD SIDING; INSULATED ROOF PURLINS FOR TROPIC CLIMATE; BASIC BUILDING; TWO STORY; 30X48; WOOD FIRST + SECOND FLOOR	63	67	22,746				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111GL	GEN PURP BLDG;WOOD FRAME W/WOOD ROOF; ASPH ROOFING + PLYWOOD SIDING; INSULATED FOR TEMPERATE CLIMATE %-20DEGC;12FT BAY ADDITION; TWO STORY; 30FT W;WOOD FIRST + SECOND FLOOR	15	24	5,642				
93111GM	GEN PURP BLDG;WOOD FRAME W/WOOD ROOF;ASPH ROOFING + PLYWOOD SIDING;INSULATED ROOF PURLINS FOR TROPIC CLIMATE;12FT BAY ADDITION; TWO STORY;30FT W;WOOD FIRST + SECOND FLOOR	13	15	4,861	1	477	229	707
93111JB	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 32FT W X 32FT L,WOOD ROOF AND ASPHALT ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	29	31	3,921	13	680	249	942
93111JF	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 32FT W X 32FT L,WOOD ROOF AND ASPHALT ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	10	18	3,995		563	70	633
93111JH	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 32FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	4	7	1,358		229	26	255
93111JK	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 48FT W X 32FT L,WOOD ROOF AND ASPHALT ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	42	44	5,603	19	918	348	1,285
93111JM	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 48FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	18	18	2,141	9	341	157	507
93111JP	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 48FT W X 32FT L,WOOD ROOF AND ASPHALT ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	14	24	4,826		757	94	851

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111JT	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 48FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	5	9	1,773		289	35	324
93111JV	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 64FT W X 32FT L,WOOD ROOF AND ASPHALT ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	53	55	6,263	26	1,150	454	1,630
93111JY	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 64FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE, 8FT MIN CLEARANCE	24	24	2,618	12	409	204	625
93111KB	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 64FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	16	29	5,942		953	120	1,073
93111KD	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 64FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	6	11	2,126		344	46	390
93111KF	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 96FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	80	82	9,840	36	1,644	664	2,344
93111KH	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 96FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	34	33	3,619	17	545	296	858
93111KK	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 96FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	23	41	8,293		1,347	170	1,517

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111KP	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 80FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	67	69	8,344	32	1,401	557	1,990
93111KT	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 80FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	29	29	3,107	15	468	249	732
93111KV	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,BASIC BUILDING 80FT W X 32FT L,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	20	35	7,054		1,154	145	1,299
93111KY	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION WAREHOUSE TYPE,ADDITIONAL 16FT BAY FOR 80FT WIDE BLDG,WOOD ROOF AND ASPHALT ROOFING,WOOD FOOTINGS,TROPICAL CLIMATE,8FT MIN CLEARANCE	7	12	2,510		393	57	450
93111LW	SLIDING DOOR;FOR OPENING 10FT WIDE X12FT HIGH;DOOR-IN-PAIR W/DOUBLE TRACK;WOOD FRAME WAREHOUSE TYPE BLDGS.	1	1	205		23	12	35
93111LY	SLIDING DOOR;FOR OPENING 10 OR 12FT WIDE X12FT HIGH;ONE PANEL W/SINGLE TRACK;WOOD FRAME WAREHOUSE TYPE BLDGS.	1	1	122		17	9	26
93111MB	FRAME ROOF + FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 40 FT W X 40 FT L,WOOD AND ASPHALT ROOFING,CONCRETE FOUNDATION,20FT MIN CLEARANCE,TROP	10	12	2,371	67	1,668	209	1,944
93111MD	FRAME ROOF + FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 40 FT WIDE BLDG; CORRUGATED STEEL ROOF; CONCRETE FOUNDATION; 20FT MIN CLEARANCE;TROPICAL	9	10	2,600				
93111MF	FRAME FOOF + FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 60FT W X 60FT L,WOOD AND ASPHALT ROOFING, CONCRETE FOUNDATION,20FT MIN CLEARANCE,TROP	12	15	3,387	102	2,958	261	3,321

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111MH	FRAME FOOF & FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 60FT WIDE BLDG; CORRUGATED STEEL ROOF; CONCRETE FOUNDATION 20FT MIN CLEARANCE; TROPICAL	12	13	3,614				
93111MK	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 80FT W X 80FT L,WOOD ROOF AND ASPH ROOFING, CONCRETE FOUNDATION,20FT MIN CLEARANCE,TROP	17	21	4,468	73	4,408	464	4,945
93111MM	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 80FT WIDE BLDG; CORRUGATED STEEL ROOF CONCRETE FOUNDATION; 20FT MIN CLEARANCE;TROPICAL	15	18	4,516				
93111MN	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 100FT WS 100FT WOOD ROOF &ASPH ROOFING; CONCRETE FOUNDATION; 20FT MIN CLEARANCE; TEMPERATE	111	142	32,250				
93111MP	FRAME ROOF + FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 100FT W X 100FT L,CORRUGATED STEEL ROOF, CONCRETE FOUNDATION 20FT MIN CLEARANCE,TROPIC	97	111	29,034				
93111MR	FRAME ROOF & FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 100FT WIDE BLDG;WOOD ROOF & ASPH ROOFING; CONCRETE FOUNDATION 20FT MIN CLEARANCE; TEMPERATE.	19	24	5,507				
93111MT	FRAME ROOF < FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 100FT WIDE BLDG CORRUGATED STEEL ROOF; CONCRETE FOUNDATION; 20FT MIN CLEARANCE; TROPICAL	17	21	5,452				
93111MU	FRAME ROOF < FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 140FT WX 140FT L; WOOD ROOF < ASPH ROOFING; CONCRETE FOUNDATION; 20FT MIN CLEARANCE; TEMPERATE	212	264	58,755				
93111MV	FRAME ROOF < FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC BUILDING 140FT WX 140FT L; CORRUGATED STEEL ROOF; CONCRETE FOUNDATION; 20FT MIN CLEARANCE; TROPICAL	159	190	49,230				
93111MW	FRAME ROOF < FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 140FT WIDE BLDG; WOOD ROOF < ASPH ROOFING; CONCRETE FOUNDATION 20FT MIN CLEARANCE; TEMPERATE.	26	33	7,450				

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111MY	FRAME ROOF < FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 140 FT WIDE BLDG;CORRUGATED STEEL ROOF; CONCRETE FOUNDATION; 20FT MIN CLEARANCE; TROPICAL	19	26	6,926				
93111NA	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC LEAN-TO 20 FT W X 20 FT L; WOOD ROOF AND ASPHALT ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TEMP	30	26	34,127				
93111NB	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC LEAN-TO 20 FT W X 20 FT L, WOOD ROOF AND ASPHALT ROOFING,CONCRETE FOUNDATION,14FT 6IN MIN CLEARANCE,TROP	32	28	34,430	26	713	70	809
93111ND	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 20 FT W LEAN-TO; WOOD ROOF AND ASPH ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TROP	15	13	17,043				
93111NE	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC LEAN-TO 40 FT W X 20 FT L; WOOD ROOF AND ASPHALT ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TEMP	58	50	67,126				
93111NF	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE BASIC LEAN-TO 40 FT W X 20 FT L; WOOD ROOF AND ASPHALT ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TROP	59	50	67,206				
93111NG	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 40FT W LEAN-TO; WOOD ROOF AND ASPH ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TEMP	26	21	32,695				
93111NH	FRAME ROOF AND FOUNDATION WOOD FRAME CONSTRUCTION SHOP TYPE ADDITIONAL 20FT BAY FOR 40FT W LEAN-TO; WOOD ROOF AND ASPH ROOFING; CONCRETE FOUNDATION; 14FT 6IN MIN CLEARANCE;TROP	26	22	32,468				
93111NJ	SMOKE JACK FOR RAILROAD STEAM ENGINE HOUSE							
93111NK	TEN TON CRANE SUPPORT							
93111PA	FLOOR CONCRETE W/O REINFORCING 2 IN THICK 1000 SF ALL TYPE BUILDINGS	4	2	84	3	20	35	58

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111PB	FLOOR CONCRETE W/O REINFORCING 4 IN THICK 1000 SF ALL TYPE BUILDINGS	7	5	160	3	36	64	103
93111PC	FLOOR CONCRETE W/6X6 MESH REINFORCING 6 INCH THICK 1000 SF ALL TYPE BUILDING	11	8	373	4	46	84	134
93111PD	CLADDING CORRUGATED STEE W/DOORS & WINDOWS 100 FT PERIMETER OF BLDG,8FT HIGH, BARRACKS TYPE BLDG, WOOD FRAME CONST	1	1	503	3	110	6	119
93111PE	CLADDING CORRUGATED STEE W/DOORS SCREENED OPENINGS & VENTS,100 FT PERIMETER OF BLDG,8FT HIGH,BARRACKS TYPE BLDG,WOOD FRAME CONST	2	2	686	3	160	6	169
93111PF	CLADDING COORUGATED STEEL W/DOORS & WINDOWS 100 FT PERIMETER OF BLDG,13FT-9IN HIGH,WAREHOUSE TYPE BLDG,WOOD FRAME CONST.	3	5	835	6	142	35	183
93111PG	CLADDING COORUGATED STEEL W/DOORS SCREENED OPENINGS & VENTS,100 FT PERIMETER OF BLDG,13FT-9IN HIGH,WAREHOUSE TYPE BLDG,WOOD FRAME CONST	3	5	800	6	177	35	218
93111PH	LINER REFLECTIVE TYPE INSULATION FOR CEILING 1000 SF AREA COVERED,WOOD FRAME WAREHOUSE TYPE BLDGS.	1	1	484	3	46	6	55
93111RA	WOOD COLUMN FOR CORE MODULE WITH CONCRETE FOUNDATION ALL CLIMATES	9	7	1,240	3	33	3	39
93111RB	WOOD COLUMN FOR VEHICLE BAY MODULE WITH CONCRETE FOUNDATION ALL CLIMATES	10	7	1,288	3	33	6	42
93111RC	20 FOOT LONG WOOD WALL FOR CORE MODULE WITH CONCRETE FOUNDATION, WINDOWS, DOORS, CLADDING, INSULATION DESERT/TROPIC CLIMATES	24	21	1,819	25	421	83	529
93111RD	60 FOOT LONG WOOD WALL FOR VEHICLE BAY MODULE WITH CONCRETE FOUNDATION, WINDOWS, DOORS, CLADDING, INSULATION DESERT/TROPIC CLIMATES	71	76	4,914	104	1,193	303	1,600

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111RE	60 FOOT LONG WOOD WALL FOR CORE MODULE WITH CONCRETE FOUNDATION, WINDOWS, DOORS, CLADDING, INSULATION DESERT/TROPIC CLIMATES	73	70	8,451	87	1,088	248	1,423
93111RF	20 FOOT LONG WOOD WALL FOR VEHICLE BAY MODULE WITH CONCRETE FOUNDATION, WINDOWS, DOORS, CLADDING, INSULATION DESERT/TROPIC CLIMATES	36	32	4,142	35	397	102	534
93111RG	WOOD ROOF FRAMING FOR 1200S.F. INTERIOR BAY OR CORE MODULE WITH DECKING, ROOFING, INSULATION DESERT/TROPIC CLIMATES	8	27	3,359	30	496	96	622
93111RH	COMPLETER SET FOR WOOD ROOF FRAMING FOR END BAY MODULE WITH DECKING, ROOFING, INSULATION (USED WITH 93111RG FOR END SUBFACILITIES ONLY) DESERT/TROPIC CLIMATES	3	2	3,049	7	16	16	39
93111RJ	6 INCH CONCRETE FLOOR SLAB FOR VEHICLE BAY MODULE, 1200S.F. AREA ALL CLIMATES	199	135	1,360	17	4	7	28
93111RK	4 INCH CONCRETE FLOOR SLAB FOR CORE MODULE, 1200S.F.AREA ALL CLIMATES	133	90	942	17	4	7	28
93111RL	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN ONE SIDE, ONE COLUMN TEMPERATE/FRIGID CLIMATES	364	328	26,506	167	1,646	445	2,258
93111RM	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN ONE SIDE, TWO COLUMNS TEMPERATE/FRIGID CLIMATES	374	335	27,794	174	1,679	439	2,292
93111RN	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, CLOSED ALL SIDES, TWO COLUMNS TEMPERATE/FRIGID CLIMATES	445	411	32,708	274	2,871	742	3,887

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111RP	1200 SQUARE FOOT CORE END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK , OPEN ONE SIDE, ONE COLUMN TEMPERATE/FRIGID CLIMATES	275	248	23,070	170	2,058	464	2,692
93111RR	1200 SQUARE FOOT CORE INTERIOR MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN TWO SIDES, ONE COLUMN TEMPERATE/FRIGID CLIMATES	199	176	11,570	75	954	200	1,229
93111RT	1200 SQUARE FOOT CORE END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND WOOD ROOF DECKING, OPEN ONE SIDE, TWO COLUMNS TEMPERATE/FRIGID CLIMATES	357	325	32,761	260	1,293	715	2,268
93111RU	VEHICLE BAY INTERIOR MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECKING, OPEN TWO SIDES, ONE COLUMN TEMPERATE/FRIGID CLIMATES	290	244	16,983	86	902	222	1,210
93111RV	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN ONE SIDE, ONE COLUMN DESERT/TROPIC CLIMATES	363	311	22,254	167	1,644	434	2,245
93111RW	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION,FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN ONE SIDE ONLY, TWO COLUMNS DESERT/TROPIC CLIMATE	373	318	23,542	170	1,678	439	2,287
93111RY	VEHICLE BAY END MODULE-WOOD FRAME CONSTRUCTION,FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN ONE SIDE, TWO COLUMNS DESERT/TROPIC CLIMATES	444	394	28,456	274	2,871	742	3,887
93111TA	1200 SQUARE FOOT CORE END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK , OPEN ONE SIDE, ONE COLUMN DESERT/TROPIC CLIMATES	274	238	20,679	170	2,058	452	2,680

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93111TB	1200 SQUARE FOOT CORE INTERIOR MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECK, OPEN TWO SIDES, ONE COLUMN DESERT/TROPIC CLIMATES	198	166	9,179	75	954	189	1,218
93111TC	1200 SQUARE FOOT CORE END MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND WOOD ROOF DECKING, OPEN ONE SIDE, TWO COLUMNS DESERT/TROPIC CLIMATES	356	315	30,370	260	1,293	703	2,256
93111TD	VEHICLE BAY INTERIOR MODULE-WOOD FRAME CONSTRUCTION, CONCRETE FLOOR AND FOUNDATIONS, WOOD CLADDING AND ROOF DECKING, OPEN TWO SIDES, ONE COLUMN DESERT/TROPIC CLIMATES	289	233	14,291	86	902	210	1,198
93111TE	CORE-1200S.F.-ADDITIONAL WALL INSULATION FOR MAX."U"=0.1 TEMPERATE/FRIGID CLIMATES	1	10	2,391		1	12	13
93111TF	CORE-2400S.F.-ADDITIONAL WALL INSULATION FOR MAX."U"=0.1 TEMPERATE/FRIGID CLIMATES	1	14	3,338		1	12	13
93111TG	REPAIR BAY-ADDITIONAL SIDE WALL INSULATION FOR MAX."U"=0.1 TEMPERATE/FRIGID CLIMATES	1	11	2,692		1	12	13
93111TH	REPAIR BAY-ADDITIONAL END WALL INSULATION FOR MAX."U"=0.1 TEMPERATE/FRIGID CLIMATES		6	1,560		1	12	13
93112AA	PANELIZED WOOD BLDGS 12 FT WIDE DESSERT/TROPICAL, COMPLETE CONCRETE FLOOR BLDG, 24 FT LONG.	11	6	1,641	20	252	149	421
93112AC	PANELIZED WOOD BLDGS 12 FT WIDE DESSERT/TROPICAL, COMPLETE CONCRETE STEMWALL FTG, X 24 FT LONG.	12	13	3,179	23	268	157	448
93112AE	PANELIZED WOOD BLDGS 12 FT WIDE DESSERT/TROPICAL, COMPLETE WOOD FLOOR BLDG, X 24 FT LONG.	10	9	6,247	22	335	146	503
93112AH	BUILDING SUPERSTRUCTURE FOR 12X24 FOOT PANELIZED WOOD BUILDING	3	7	1,603	6	126	55	187

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112BA	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE CONCRETE FLOOR BLDG, X 24 FT LONG.	25	27	5,342	28	480	268	776
93112BB	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE CONCRETE FLOOR BLDG, X 36 FT LONG.	36	37	6,638	36	663	300	999
93112BC	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE CONCRETE FLOOR BLDG, X 48 FT LONG.	46	46	7,935	51	744	436	1,231
93112BD	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE CONCRETE FLOOR BLDG, X 60 FT LONG.	56	55	9,231	61	876	521	1,458
93112BL	24 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY END BAY, PANELIZED WOOD BUILDING.	2	5	987	1	86	39	126
93112BM	24 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	1	4	326	1	68	35	104
93112BN	24 FT WIDE WALL ASSEMBLY END BAY,PANELIZED WOOD BUILDING.	1	4	936	3	102	44	149
93112BP	24 FT WIDE WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	1	1	572	1	35	16	52
93112CA	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE WOOD FLOOR BLDG, X 24 FT LONG.	20	22	13,698	35	755	344	1,134
93112CB	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE WOOD FLOOR BLDG, X 36 FT LONG.	25	27	16,328	45	989	454	1,488
93112CC	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE WOOD FLOOR BLDG, X 48 FT LONG.	30	32	19,966	58	1,243	577	1,878
93112CD	PANELIZED WOOD BLDGS 24 FT WIDE DESERT/TROPICAL, COMPLETE WOOD FLOOR BLDG, X 60 FT LONG.	34	35	22,280	68	1,486	696	2,250
93112DA	PANELIZED WOOD BLDGS 36 FT WIDE X 40 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	136	638	49,927	59	525	541	1,125

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112DB	PANELIZED WOOD BLDGS 36 FT WIDE X 60 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	203	961	75,176	84	744	689	1,517
93112DC	PANELIZED WOOD BLDGS 36 FT WIDE X 80 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	270	1,284	100,425	110	964	838	1,912
93112DD	PANELIZED WOOD BLDGS 36 FT WIDE X 100 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	337	1,607	125,674	133	1,182	987	2,302
93112DE	PANELIZED WOOD BLDGS 36 FT WIDE X 120 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	404	1,930	150,923	161	1,401	1,135	2,697
93112DF	PANELIZED WOOD BLDGS 36 FT WIDE X 40 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	136	646	50,887	59	803	489	1,351
93112DG	PANELIZED WOOD BLDGS 36 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	204	973	76,729	83	1,064	670	1,817
93112DH	PANELIZED WOOD BLDGS 36 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	272	1,300	102,571	110	1,330	848	2,288
93112DJ	PANELIZED WOOD BLDGS 36 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	340	1,627	128,413	125	1,591	1,028	2,744
93112DK	PANELIZED WOOD BLDGS 36 FT WIDE X 120 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	408	1,954	154,255	161	1,853	1,209	3,223
93112DW	36 FT WIDE DESSERT/TROPICAL COMPLETE ROOF ASSEMBLY END BAY, PANELIZED WOOD BUILDING	43	303	21,950	3	129	73	205
93112DY	36 FT WIDE DESSERT/TROPICAL COMPLETE ROOF ASSEMBLY INTERIOR BAY, PANELIZED WOOD BUILDING.	46	312	23,915	3	106	51	160
93112EA	PANELIZED WOOD BLDGS 36 FT WIDE X 40 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	110	620	60,042	39	906	602	1,547
93112EB	PANELIZED WOOD BLDGS 36 FT WIDE X 60 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	162	935	90,127	51	1,327	784	2,162

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112EC	PANELIZED WOOD BLDGS 36 FT WIDE X 80 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	214	1,250	120,212	62	1,741	972	2,775
93112ED	PANELIZED WOOD BLDGS 36 FT WIDE X 100 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	266	1,565	150,298	74	2,174	1,144	3,392
93112EE	PANELIZED WOOD BLDGS 36 FT WIDE X 120 FT LONG X 8 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	318	1,880	180,383	84	2,578	1,343	4,005
93112EF	PANELIZED WOOD BLDGS 36 FT WIDE X 40 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	110	622	60,738	39	1,156	505	1,700
93112EG	PANELIZED WOOD BLDGS 36 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	163	938	91,284	51	1,601	699	2,351
93112EH	PANELIZED WOOD BLDGS 36 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	216	1,254	121,702	62	2,049	893	3,004
93112EJ	PANELIZED WOOD BLDGS 36 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	269	1,570	152,377	74	2,495	1,088	3,657
93112EK	PANELIZED WOOD BLDGS 36 FT WIDE X 120 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	322	1,886	182,923	84	2,942	1,282	4,308
93112FA	36 FT WIDE 8 FT HIGH WALL ASSEMBLY END BAY,PANELIZED WOOD BUILDING.	3	5	1,922	6	116	51	173
93112FB	36 FT WIDE 8 FT HIGH WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	1	1	690	3	61	26	90
93112FC	36 FT WIDE 12 FT HIGH WALL ASSEMBLY END BAY,PANELIZED WOOD BUILDING.	3	6	2,270	6	175	67	248
93112FD	36 FT WIDE 12 FT HIGH WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	2	2	1,151	3	90	36	129
93112GA	PANELIZED WOOD BLDGS 48 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	194	881	72,524	94	1,544	915	2,553

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
03112GB	PANELIZED WOOD BLDGS 48 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	207	896	76,450	115	1,914	1,117	3,146
03112GC	PANELIZED WOOD BLDGS 48 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	220	911	78,864	144	2,292	1,328	3,764
03112GD	PANELIZED WOOD BLDGS 48 FT WIDE X 120 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	233	926	82,034	164	2,684	1,547	4,395
03112GE	PANELIZED WOOD BLDGS 48 FT WIDE X 140 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	246	941	85,204	184	3,065	1,757	5,006
03112GF	PANELIZED WOOD BLDGS 48 FT WIDE X 160 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	259	956	88,374	212	3,434	1,960	5,606
03112GL	48 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY END BAY, PANELIZED WOOD BUILDING.	58	407	30,497	3	290	138	431
03112GM	48 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	4	9	1,539	3	244	120	367
03112GN	48 FT WIDE WALL ASSEMBLY END BAY,PANELIZED WOOD BUILDING.	4	8	2,665	4	168	64	236
03112GP	48 FT WIDE WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	1	1	1,023	3	90	36	129
03112GR	48 FT WIDE WOOD FLOOR FRAMING END BAY,PANELIZED WOOD BUILDING.	20	19	6,911	13	312	148	473
03112HA	PANELIZED WOOD BLDGS 48 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	175	884	90,437	94	2,278	1,022	3,394
03112HB	PANELIZED WOOD BLDGS 48 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	186	898	99,391	117	2,909	1,308	4,334

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112HC	PANELIZED WOOD BLDGS 48 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	197	912	108,345	144	3,534	1,592	5,270
93112HD	PANELIZED WOOD BLDGS 48 FT WIDE X 120 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	208	926	117,299	170	4,179	1,882	6,231
93112HE	PANELIZED WOOD BLDGS 48 FT WIDE X 140 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	219	940	126,253	197	4,782	2,158	7,137
93112HF	PANELIZED WOOD BLDGS 48 FT WIDE X 160 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG.	230	954	135,207	222	5,409	2,443	8,074
93112HG	PANELIZED WOOD BLDGS 48 FT WIDE X 60 FT LONG X 12 FT HIGH, TEMPERATE/FRIGID. COMPLETE WOOD FLOOR BLDG.	175	884	90,437	94	2,278	1,022	3,394
93112JA	PANELIZED WOOD BLDGS 60 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	243	1,087	86,714	129	1,605	1,005	2,739
93112JB	PANELIZED WOOD BLDGS 60 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	284	1,127	92,610	173	2,002	1,276	3,451
93112JC	PANELIZED WOOD BLDGS 60 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	325	1,167	98,450	210	2,379	1,537	4,126
93112JD	PANELIZED WOOD BLDGS 60 FT WIDE X 120 FT LONG X 12 FT HIHG, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	366	1,207	104,318	252	2,794	1,815	4,861
93112JE	PANELIZED WOOD BLDGS 60 FT WIDE X 140 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	407	1,247	110,186	293	3,190	2,085	5,568
93112JF	PANELIZED WOOD BLDGS 60 FT WIDE X 160 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	448	1,287	116,054	332	3,587	2,356	6,275
93112JG	PANELIZED WOOD BLDGS 60 FT WIDE X 180 FT LONG X 12 FT HIHG, DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG.	489	1,327	121,922	371	3,983	2,626	6,980
93112JL	60 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY END BAY PANELIZED WOOD BUILDING.	62	493	35,513	4	254	106	364

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	CONSTRUCTION MATERIAL COST $	CONST EFFORT IN MAN-HOURS HOR	CONST EFFORT IN MAN-HOURS VERT	CONST EFFORT IN MAN-HOURS GENL	CONST EFFORT IN MAN-HOURS TOT
93112JM	60 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	7	17	3,689	4	212	93	309
93112JN	60 FT WIDE WALL ASSEMBLY END BAY,PANELIZED WOOD BUILDING.	4	8	3,189	6	209	80	295
93112JP	60 FT WIDE WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	2	2	1,139	3	90	36	129
93112JR	60 FT WIDE WOOD FLOOR FRAMING END BAY,PANELIZED WOOD BUILDING.	25	22	8,529	17	409	196	622
93112KA	PANELIZED WOOD BLDGS 60 FT WIDE X 60 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	151	1,033	92,299	115	2,578	1,122	3,815
93112KB	PANELIZED WOOD BLDGS 60 FT WIDE X 80 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	216	1,102	122,766	149	3,245	1,411	4,805
93112KC	PANELIZED WOOD BLDGS 60 FT WIDE X 100 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	231	1,126	134,871	177	3,906	1,699	5,782
93112KD	PANELIZED WOOD BLDGS 60 FT WIDE X 120 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	246	1,152	147,724	207	4,576	1,985	6,768
93112KE	PANELIZED WOOD BLDGS 60 FT WIDE X 140 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	261	1,177	160,513	239	5,243	2,272	7,754
93112KF	PANELIZED WOOD BLDGS 60 FT WIDE X 160 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	276	1,202	173,302	265	5,909	2,559	8,733
93112KG	PANELIZED WOOD BLDGS 60 FT WIDE X 180 FT LONG X 12 FT HIGH, DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	287	1,228	185,455	297	6,554	2,826	9,677
93112LA	PANELIZED WOOD BLDGS 144 FT WIDE X 140 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	739	2,828	256,776	550	8,791	4,862	14,203
93112LB	PANELIZED WOOD BLDGS 144 FT WIDE X 160 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	788	2,883	267,059	619	9,825	5,432	15,876

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112LC	PANELIZED WOOD BLDGS 144 FT WIDE X 180 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE CONCRETE FLOOR BLDG	837	2,938	277,342	687	10,859	6,003	17,549
93112LG	PANELIZED WOOD BLDGS 144 FT WIDE X 140 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	515	2,726	364,667	465	13,182	5,681	19,328
93112LH	PANELIZED WOOD BLDGS 144 FT WIDE X 160 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	542	2,772	389,738	526	14,861	6,416	21,803
93112LJ	PANELIZED WOOD BLDGS 144 FT WIDE X 180 FT LONG X 12 FT HIGH DESERT/TROPICAL. COMPLETE WOOD FLOOR BLDG	569	2,818	414,809	586	16,552	7,150	24,288
93112LL	144 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMLY END BAY PANELIZED WOOD BUILDING	155	1,203	90,862	9	982	387	1,378
93112LM	144 FT WIDE DESERT/TROPICAL COMPLETE ROOF ASSEMLY END BAY INTERIOR BAY,PANELIZED WOOD BUILDING.	15	31	7,868	9	829	365	1,203
93112LP	144 FT WIDE WALL ASSEMBLY INTERIOR BAY,PANELIZED WOOD BUILDING.	2	3	1,183	3	94	38	135
93112NA	FOOTING STEM WALL 40 LF 2 FT DEEP,PANELIZED WOOD BUILDING.	1	1	290	3	36	26	65
93112NK	FOOTING STEM WALL 40 LF 5.5 FT DEED,PANELIZED WOOD BUILDING	3	2	445	4	90	87	181
93112NL	FOOTING STEM WALL 5.5 FT DEEP EXTERNAL COLUMN PAD,PANELIZED WOOD BUILDING.			49	6	4	3	13
93112NM	FOOTING STEM WALL 5.5 FT DEEP EXTERNAL COLUMN PAD,PANELIZED WOOD BUILDING.			59	6	4	10	20
93112NN	FOOTING THICK SLAB 40 LF,PANELIZED WOOD BUILDING.	2	1	326	3	26	22	51
93112NP	FOOTING THICK SLAB EXT. COLUMN PAD,PANELIZED WOOD BUILDING.			38	6	3	1	10
93112NR	FOOTING THICK SLAB INT. COLUMN PAD,PANELIZED WOOD BUILDING.			48	6	4	4	14

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112NT	CONCRETE SLAB 12 FT X 20 FT AREA 4 INCH THICK,PANELIZED WOOD BUILDING.	6	3	64	4	7	15	26
93112NU	CONCRETE SLAB 12 FT X 20 FT AREA 6 INCH THICK,PANELIZED WOOD BUILDING.	6	4	108	4	12	22	38
93112NW	ANCHOR BOLT COL. AND TIE DOWN CONNECTOR,PANELIZED WOOD BUILDING.			7		1	1	2
93112NY	CONCRETE 2500 POUNDS SQUAR INCH ONE CUBIC YARD,PANELIZED WOOD BUILDING.			12		3	4	7
93112PA	WOOD FLOOR INTERIOR EMBED POST FOR 10 FT GIRDERS,PANELIZED WOOD BUILDING.			151	12	6	4	22
93112PB	WOOD FLOOR EMBED POST AT O.S. PERIMETER AND 12 FT GIRDERS, PANELIZED WOOD BUILDING.	1		175	1	6	6	13
93112PC	WOOD FLOOR GIRDER INTERIOR BAY X 12 FT,PANELIZED WOOD BUILDING.			62	12	6	3	21
93112PD	WOOD FLOOR GIRDER END BAY X 12 FT,PANELIZED WOOD BUILDING.			69	12	3	1	16
93112PE	WOOD FLOOR GIRDER INTERIOR BAY X 10 FT,PANELIZED WOOD BUILDING.			16	12	4	3	19
93112PF	WOOD FLOOR GIRDER END BAY X 10 FT,PANELIZED WOOD BUILDING.			54	12	6	3	21
93112PG	WOOD FLOOR GIRDER END BAY AT COLUMNS 60 FT BUILDING,PANE- PANELIZED WOOD BUILDING			62	35	6	3	44
93112PH	WOOD FLOOR GIRDER INTERIOR BAY AT COL. 60 FT BUILDING, PANELIZED WOOD BUILDING		1	120	12	4	3	19
93112PL	WOOD FLOOR EXTERIOR COLUMN TO GIRDER CONNECTOR,PANELIZED WOOD BUILDING.		1	107		4	3	7

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112PM	WOOD FLOOR INTERIOR COLUMN TO GIRDER CONNECTOR,PANELIZED WOOD BUILDING.		1	64		4	3	7
93112PN	WOOD FLOOR SUPPORT FOR COLUMNS IN PANELIZED WOOD BUILDINGS	1	1	154	1	7	4	12
93112PP	WOOD FLOOR SUPPORT FOR INTERIOR COLUMNS 60 FT BUILDING, PANELIZED WOOD BUILDING.	1	2	282	1	13	6	20
93112PR	WOOD FLOOR PANEL 4 FT X 12 FT,PANELIZED WOOD BUILDING.			163	12	6	3	21
93112PT	WOOD FLOOR POST FOR 10 FT GIRDERS,PANELIZED WOOD BUILDING.			145	12	4	1	17
93112PU	WOOD FLOOR POST FOR 12 FT GIRDERS,PANELIZED WOOD BUILDING.			167	12	6	3	21
93112PY	STAIRS AND PORCH,PANELIZED WOOD BUILDING.	1	2	1,071		23	6	29
93112RG	PANELIZED WOOD BUILDING,CORNER TIE DOWN CONNECTING GIRDER			87		1	1	2
93112TL	GABLE FOR 24 FT TRUSS 48 FT & 144 FT BUILDING, LEFT, PANELIZED WOOD BUILDING			58		10	6	16
93112TM	GABLE FOR 24 FT TRUSS 48 FT & 144 FT BUILDING, RIGHT, PANELIZED WOOD BUILDING			58		10	6	16
93112TN	GABLE FOR 24 FT TRUSS 144 FT BUILDING, RIDGE LEFT, PANELIZED WOOD BUILDING			58		10	6	16
93112TP	GABLE FOR 24 FT TRUSS 144 FT BUILDING, RIDGE RIGHT, PANELIZED WOOD BUILDING		1	138		10	6	16
93112TR	GABLE FOR 30 FT TRUSS 60 FT BUILDING, LEFT, PANELIZED WOOD BUILDING	1	1	277	157	13	7	177
93112TW	ROOF PANEL FOR 12FOOT X 24FOOT BUILDING.DESERT/TROPIC CLIMATE ZONES			101	1	9	4	14
93112TY	ROOF PANEL FOR 12FOOT X 24FOOT BUILDING.TEMPERATE/FRIGID CLIMATE ZONE.			114	1	9	4	14

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
93112VC	INSULATION FIBERGLASS TYPE FLOOR 240 SQUARE FT,PANELIZED WOOD BUILDING.			21	3	3	1	7
93112VH	FILL NON-FROST SUSCEPTABLE 240 CUBIC FT,PANELIZED WOOD BUILDING.	13	6	66	6		3	9
93112VK	WOOD FLOOR SKIRTING - 40 LF OF SIDEWALL,PANELIZED WOOD BUILDING.			18	6	3	1	10
93112WD	WALL PANEL 8 FT HIGH,RIGH CORNER,PANELIZED WOOD BUILDING.			47	1	6	3	10
93112WW	WINDOW,DESERT/TROPICAL SINGLE GLAZING,PANELIZED WOOD BLDGS. BUILDING.			63		3	1	4
93115BA	BARRACKS, ARCH, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, TEMP CLIM	5	3	294				
93115BB	BARRACKS, ARCH, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, DESERT/TROPIC CLIM	5	3	294				
93115BC	BARRACKS, ARCH, LIGHTWEIGHT STEEL PANEL BUILDING WITH INTERIOR, 20 BY 50 BY 8, FRIGID CLIM	5	3	294				
99980AA	STANDARD DETAIL 1-A,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED FIREBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	3	4	740		87	12	99
99980AB	STANDARD DETAIL 1-B,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED WALLBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	4	5	1,746		87	12	99
99980AC	STANDARD DETAIL 1-C,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED WALLBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	3	4	802		116	17	133
99980AD	STANDARD DETAIL 1-D,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED FIREBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	2	2	723		116	17	133

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980AE	STANDARD DETAIL 1-E,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED WALLBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	4	5	1,090		160	23	183
99980AF	STANDARD DETAIL 1-F,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED FIREBOARD TO 8FT HIGH ON ONE SIDE 100 LINEAL FEET UNIT.	2	2	817		160	23	183
99980AG	STANDARD DETAIL 1-G,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED WALLBOARD TO 10@ HIGH ONBOTH SIDE 100 LINEAL FEET UNIT.	3	4	693		186	46	232
99980AH	STANDARD DETAIL 1-H,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED FIREBOARD TO10FT HIGH ONBOTH SIDE 100 LINEAL FEET UNIT.	2	2	1,101		186	46	232
99980AJ	STANDARD DETAIL 1-J,INTERIOR PARTITION,10FT MAX HEIGTH, W/HARDPRESSED FIREBOARD ONE SIDE AND COMPOSITION WALLBOARD.	3	4	739		160	23	183
99980AK	STANDARD DETAIL 1-K.INTERIOR PARTITION.10FT MAX HEIGHT, W/HARDPRESSE FIBERBOARD ONE SIDE AND COMPOSITION WALLBOARD OTHER SIDE TO A FT HIGH 100 LINEAL FEET UNIT.	3	4	1,446		186	46	232
99980AL	STANDARD DETAIL 1-X,INTERIOR PARTITION,10FT MAX HEIGTH 100 LINEAL FEET UNIT.	4	5	1,014		70	35	105
99980AM	STANDARD DETAIL 1-L SOUNDPROOF PARTITION,10 FT HIGH 100 LINEAL FEET UNIT.	4	6	1,392		232	46	278
99980AN	STANDARD DETAIL 6-C COUNTER 1 FT 6 IN WIDE,3 FT HIGH UNIT OF 100 LINEAL FEET FREE STANDING	2	2	722		128	23	151
99980AP	STANDARD DETAIL 1-N,INTERIOR PARTITION,COMPOSITION 100 LINEAL FEET UNIT.	3	4	650		128	23	151
99980AR	STANDARD DETAIL 1-P,LEADED PARTITION,10FT MAX HEIGTH W/1 IN WOOD SHEATHING AND LEAD SHEET ONE SIDE AND HARDPRESSED FIBERBOARD OTHER SIDE 100 LINEAL FEET UNIT.	8	5	4,516		319	70	389

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980AT	STANDARD DETAIL 1-Q,INTERIOR PARTITION.10FT MAX HEIGTH FOR PHYSICAL TRAINING EQUIPMENT,100 LINEAL FEET UNIT	3	5	1,199		186	23	209
99980AU	STANDARD DETAIL 1-S,RAILING,3FT HIGH,W/COMPOSITION WALLBOARD BOTH SIDES,100 LINEAL FT UNIT.	1	1	269		99	12	111
99980AV	STANDARD DETAIL 1-V.RAILING,3FT HIGH W/HARDPRESSED FIBERBOARD BOTH SIDES,100 LINEAL FEET UNIT.	1	1	296		99	12	111
99980AW	STANDARD DETAIL 1-Z,RAILING 3FT 6IN HIGH,100 LINEAL FEET UNIT.	3	3	819		23	12	35
99980AY	STANDARD DETAIL 1-Z,GATE,2FT 6IN WIDE OPENING FOR USE WITH 1-Z RAILING,UNIT OF TEN GATES.	1	1	308		70	35	105
99980BA	STANDARD DETAIL 1-T,SUSPENDED PARTITION.3FT DROP,100 LINEAL FT UNIT	1	2	884		87	46	133
99980BB	STANDARD DETAIL 1-W,INTERIOR PARTITION,10FT MAX HEIGTH W/1 IN WOOD SHEATHING TO 4 1/2 FT AND 2 X 2 WIRE MESH TO 10 FT ALL ON ONE SIDE 100 LINEA FEET UNIT.	3	4	1,119		70	23	93
99980BC	STANDARD DETAIL 1-AA INTERIOR PARTITION,14FT MAX HEIGTH W/HARDPRESSED FIBERBOARD TO 8FT ON ONE SIDE AND BARBED WIRE TO 14FT 100 LINEAL FT UNIT.	3	3	680		116	35	151
99980BD	STANDARD DETAIL 1-BB INTERIOR PARTITION,14FT MAX HEIGTH W/HARDPRESSED FIBERBOARD TO 14FT ON ONE SIDE ONLY 100 LINEAL FEET UNIT.	3	4	1,296		128	17	145
99980BE	STANDARD DETAIL 1-CC INTERIOR PARTITION,14FT MAX HEIGTH W/HARDPRESSED FIBERBOARD TO 14FT ON BOTH SIDES 100 LINEAL FEET UNIT.	4	5	1,874		209	46	255
99980BF	STANDARD DETAIL 2-A PANEL DOOR 40IN X 84IN SINGLE LEAF COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	2	3	676		35	12	47

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980BG	STANDARD DETAIL 2-B PANEL DOOR 36IN X 84IN SINGLE LEAF COMPLETE WITH DOOR HARDWARE UNIT OF TENS DOORS.	2	3	789		35	12	47
99980BH	STANDARD DETAIL 2-C PANEL DOOR 30IN X 84IN SINGLE LEAF COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	2	4	847		35	12	47
99980BJ	STANDARD DETAIL 2-D PANEL DOOR 24IN X 84IN SINGLE LEAF COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	3	5	579		35	12	47
99980BK	STANDARD DETAIL 2-E PANEL DOOR 30IN X 84IN PAIR COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS OPENINGS.	2	3	648		70	23	93
99980BL	STANDARD DETAIL 2-F PANEL DOOR 30IN X 84IN W/VISION PANL COMPLETE WITH DOOR HARDWARD UNIT OF TEN DOORS.	2	3	505		58	12	70
99980BM	STANDARD DETAIL 2-G PANEL DOOR 30IN X 84IN IN PAIR W/DOOR HARDWARE UNIT OF TEN DOOR OPENINGS.	2	4	793		116	23	139
99980BN	STANDARD DETAIL 2-H BOARD &BATTEN DOOR 36IN X 82 IN COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	1	2	200		93	12	105
99980BP	STANDARD DETAIL 2-J BOARD &BATTEN DOOR 30IN X 82IN COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	2	2	243		93	12	105
99980BR	STANDARD DETAIL 2-K BOARD & BATTEN DOOR 36IN X 82IN IN PR COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS OPENINGS.	3	5	471		128	23	151
99980BT	STANDARD DETAIL 2-L BOARD & BATTEN DOOR 30IN X 82 IN IN PR COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS OPENINGS.	2	2	478		128	23	151
99980BU	STANDARD DETAIL 2-X BOARD &BATTEN DOOR 24IN X 82IN COMPLETE WITH DOOR HARDWARE UNIT OF 10 DOORS.	2	2	610		93	12	105
99980BV	STANDARD DETAIL 2-M PANEL DOOR 40IN X 84 IN LEAD FACED COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS OPENINGS.	2	1	1,156		93	35	128
99980BW	STANDARD DETAIL 2-N PANEL DOOR 36IN X 84 IN LEAD FACED COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	2	1	1,196		93	35	128

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980BY	STANDARD DETAIL 2-P PANEL DOOR 36IN X 84 IN LEAD FACED COMPLETE WITH DOOR HARDWARE UNIT OF TEN DOORS.	1	1	871		93	35	128
99980CA	STANDARD DETAIL 2-Q GATE 2FT 6IN W X 3FT HIGH OPENING UNIT OF TEN GATES.			42		58		58
99980CB	STANDARD DETAIL 2-R SCREENED LOUVER DOORS 2FT HX VARIABLE WIDTH UNIT OF 10 LOUVERS.			168		87		87
99980CC	STANDARD DETAIL 2-S LIGHT-PROOF LOUVER FOR DOORS 2FT HX VARIABLE WIDTH UNIT OF 10 LOUVERS.			121		116		116
99980CD	STANDARD DETAIL 2-U METAL COVERED DOOR 36IN X 82IN COMPLETE WITH DOOR HARDWARE AND BUCK UNIT OF 10 DOORS	1	2	1,774		145	23	168
99980CE	STANDARD DETAIL 2-W DUTCH DOOR 36IN X 82IN COMPLETE WITH DOOR HARDWARE UNIT OF 10 DOORS.	1	1	161		145	23	168
99980CF	STANDARD DETAIL 2-Y SLIDING DOOR FOR 24IN X 82IN OPENING COMPLETE WITH TRACK UNIT OF 10 DOORS.	1	1	310		58	12	70
99980CG	STANDARD DETAIL 3-A INTERIOR WINDOW 2FT X 3FT FIXED UNIT OF 10 WINDOWS.			106		46		46
99980CH	STANDARD DETAIL 3-B WICKERT 2FT W X 3FT H OPENING UNIT OF 10 WICKETS			172		46	12	58
99980CJ	STANDARD DETAIL 3-D REMOVABLE PANEL WITH LIGHT PROOF LOUVER 3FT X 7FT UNIT OF 10 PANELS.	1	1	199		131	17	148
99980CK	STANDARD DETAIL 3-F WICKET 2FT X 3 FT OPENING UNIT OF 10 WICKETS.	1	1	209		46	12	58
99980CL	STANDARD DETAIL 3-G INTERIOR WINDOW MULTIPLE UNIT OF 17 WINDOWS			210		70	12	82
99980CM	STANDARD DETAIL 3-H BLACKBOARD 8 FT WIDE X 4 FT HIGH UNIT OF 10 BLACKBORDS		1	205		61	12	73

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980CN	STANDARD DETAIL 3-J BULLETIN BOARD 4 FT X 4 FT UNIT OF 10 BOARDS			82		46	6	52
99980CP	STANDARD DETAIL 4-A SHELVES 7 FT HIGH 1 FT DEEP UNIT OF 100 LINEAL FEET	2	3	438		93	23	116
99980CR	STANDARD DETAIL 4-B SHELVES 7 FT HIGH 1 FT 6 IN DEEP UNIT OF 100 LINEAR FEET	3	4	1,061		139	35	174
99980CT	STANDARD DETAIL 4-C SHELVES 7 FT HIGH 2 FT DEEP UNIT OF 100 LINEAL FEET	4	5	1,203		186	35	221
99980CU	STANDARD DETAIL 4-D SHELVES W/DOORS 7 FT HIGH 1 FT 6 IN DEEP. UNIT OF 100 LEVEL FEET	4	6	1,405		278	46	324
99980CV	STANDARD DETAIL 4-E SHELVES W/DOORS 7 FT HIGH 2 FT DEEP UNIT OF 100 LINEL FEET	5	7	1,548		331	58	389
99980CW	STANDARD DETAIL 4-F CLOTHING SHELVES 7 FT HIGH 1 FT 6IN DEEP. UNIT OF 100 LINEAL FEET	2	2	931		122	23	145
99980CY	STANDARD DETAIL 4-G COMPARTMENT SHELVES 7 FT HIGH 1 FT DEEP. UNIT OF 100 LINEAL FEET	2	3	541		139	23	162
99980DA	STANDARD DETAIL 4-H COUNTER AND SHELVES UNIT OF 100 LINEAL FEET	4	6	1,278		186	35	221
99980DB	STANDARD DETAIL 4-J COUNTER AND SHELVES UNIT OF 100 LINEAL FEET	3	4	823		209	35	244
99980DC	STANDARD DETAIL 4-K LUGGAGE RACK 7 FT 7 IN HIGH 2 FT 4 IN DEEP 4 FT LONG UNIT OF 10 RACKS	2	3	669		70	12	82
99980DD	STANDARD DETAIL 4-L CLOTHES HANGING RACK 7 FT 8 IN HIGH 4 FT 7 IN DEEP 4 FT LONG UNIT OF 10 RACKS	2	3	661		58	12	70
99980DE	STANDARD DETAIL 4-M LOCKER 1 FT WIDE 1 FT 8 IN DEEP 6 FT 8 IN HIGH UNIT OF 10 LOCKERS		1	223		87	12	99

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99980DF	STANDARD DETAIL 4-N MOVABLE CLOTHES RACK,6 FT HIGH 10 FT LONG,UNIT OF 10 RACKS	1	2	244		35	6	41
99980DG	STANDARD DETAIL 4-P GAS CYLINDER STORAGE RACK,WALL MOUNTED UNIT OF 10 RACKS 4 FT LONG			328		29	6	35
99980DH	STANDARD DETAIL 4-Q MOP RACK,3 FT LONG UNIT OF 10 RACKS			70		23	3	26
99980DJ	STANDARD DETAIL 4-R GAS CYLINDER STORAGE RACK,FREE STANDING UNIT OF 10 RACKS 4 FT LONG	1	1	243		29	6	35
99980DK	STANDARD DETAIL 4-S WALL MOUNTED MOP RACK,4 FT LONG UNIT OF 10 RACKS			58		35	3	38
99980DL	STANDARD DETAIL 4-T SHELVES 6 FT 3 IN HIGH,1 FT 6 IN DEEP UNIT OF 100 LINEAL FEET	2	3	542		93	23	116
99980DM	STANDARD DETAIL 4-U COUNTER AND SHELVES UNIT OF 100 LINEAL FEET	4	6	1,154		157	35	192
99980DN	STANDARD DETAIL 4-W COUNTER AND SHELVES UNIT OF 100 LINEAL FEET	2	3	448		139	35	174
99980DP	STANDARD DETAIL 4-V PLATFORM 3 FT 6 IN WIDE X 8 FT LONG X 6 IN HIGH.			54		6	1	7
99980DR	STANDARD DETAIL 4-X PORTABLE WORK BENCH.3 FT WIDE 15 FT LONG,UNIT OF 10 BENCHES	4	6	1,201		116	35	151
99980DT	STANDARD DETAIL 4-Y,4-Z OR 4-BB STORAGE BINS UNIT OF 100 LINEAL FEET	3	5	700		174	46	220
99980DU	STANDARD DETAIL 4-AA STORAGE BINS 7 FT 4 IN HIGH,4 FT DEEP UNIT OF 100 LINEAL FEET	5	7	1,793		157	46	203
99980DV	STANDARD DETAIL 4-CC SHELVES 6 FT 3 IN HIGH,2 FT 6 IN DEEP UNIT OF 100 LINEAL FEET	4	6	535		93	35	128

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980DW	STANDARD DETAIL 4-DD WORK BENCH,2 FT 9 INCH WIDE UNIT OF 100 LINEAL FEET	3	4	759		99	23	122
99980DY	STANDARD DETAIL 4-EE STORAGE BINS, 8 FT 2 INCH HIGH 1 FT 6 IN DEEP UNIT OF 100 LINEAL FEET	2	2	850		116	23	139
99980EA	STANDARD DETAIL 4-FF STORAGE BINS, 8 FT 2 INCH HIGH 2 FT DEEP UNIT OF 100 LINEAL FEET	3	4	1,382		174	35	209
99980EB	STANDARD DETAIL 4-GG WORK TABLE, 4 FT WIDE X 3 FT HIGH UNIT OF 100 LINEAL FEET	2	3	683		116	23	139
99980EC	STANDARD DETAIL 4-LL AND 4-MM WORK BENCH, 3 FT 8 IN WIDE 3 FT HIGH 8 FT LONG UNIT OF 10 BENCHES	3	4	1,290		160	23	183
99980ED	STANDARD DETAIL 4-NN WORK BENCH,3 FT 8 INCH WIDE,3 FT HIGH 5 FT LONG UNIT OF 10 BENCHES	3	3	1,225		148	23	171
99980EE	STANDARD DETAIL 4-PP WORK BENCH,3 FT WIDE, 3 FT HIGH UNIT OF 100 LINEAL FEET	3	4	948		186	35	221
99980EF	STANDARD DETAIL 4-RR BATTERY RACK,UNIT OF 100 LINEAL FEET	3	3	780		87	23	110
99980EG	STANDARD DETAIL 4-SS STORAGE BINS, 8 FT 2 IN HI,4 FT DEEP UNIT OF 100 LINEAL FEET	3	5	1,762		174	46	220
99980EH	STANDARD DETAIL 5-A WALL SHELVES,4 FT HIGH, 1 FT DEEP UNIT OF 100 LINEAL FEET	1	2	524		70	23	93
99980EJ	STANDARD DETAIL 5-B WALL SHELVES 3 FT 2 IN HIGH,8 IN DEEP UNIT OF 100 LINEAL FEET	1	1	420		58	12	70
99980EK	STANDARD DETAIL 5-C WALL SHELVES WITH DOORS,4 FT HIGH 1 FT DEEP UNIT OF 100 LINEAL FEET	2	3	729		174	23	197
99980EL	STANDARD DETAIL 5-D SHELF AND HOOK STRIP UNIT OF 100 LINEAL FEET			106		23	6	29

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FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980EM	STANDARD DETAIL 5-E CLOSET SHELF AND POLE UNIT OF LINEAL FEET			119		35	6	41
99980EN	STANDARD DETAIL 5-F SCRUB-UP SHELF, UNIT OF 100 LINEAL FT			45		23		23
99980EP	STANDARD DETAIL 6-A COUNTER W/O SINK,1 FT 6 IN WIDE,3FT HI UNIT OF 100 LINEL FEET WALL MOUNTED	1	2	297		87	23	110
99980ER	STANDARD DETAIL 6-A COUNTER W/24 X 16 X 12 IN SINK,1FT 6IN WIDE 3 FT HIGH 4 FT LONG UNIT OF 10 COUNTERS	1	2	724		139	23	162
99980ET	STANDARD DETAIL 6-B COUNTER W/O SINK,2 FT WIDE,3 FT HIGH UNIT OF 100 LINEAL FEET WALL MOUNTED	1	2	347		87	23	110
99980EU	STANDARD DETAIL 6-B COUNTER W/24 X 16 X 12 IN SINK,2 FT WD 3 FT HIGH 4 FT LONG UNIT OF 10 COUNTERS	1	2	737		139	23	162
99980EV	STANDARD DETAIL 6-C COUNTER 1 FT 6 IN WIDE,3 FT HIGH UNIT OF 100 LINEAL FEET FREE STANDING	1	2	375		70	23	93
99980EW	STANDARD DETAIL 6-D COUNTER FREE STANDING,2 FT WIDE 3 FT HIGH UNIT OF 100 LINEAL FEET	2	2	747		70	17	87
99980EY	STANDARD DETAIL 6-E COUNTER TOP HINGED,2 FT WIDE,3 FT 7 IN LONG UNIT OF 10 TOPS			128		58	12	70
99980FA	STANDARD DETAIL 6-F COUNTER W/DOORS, 3 FT HIGH, 2 FT WIDE UNIT OF 100 LINEAL FEET	2	3	651		174	46	220
99980FB	STANDARD DETAIL 6-G COUNTER KITCHENETTE, 1 FT 6 INCH WIDE 2 FT 5 IN HIGH 5 FT 6 IN LONG UNIT OF 10 COUNTERS		1	141		58	12	70
99980FC	STANDARD DETAIL 6-H COUNTER FOR DISPOSAL CAN,3 FT HIGH 2 FT WIDE 4 FT LONG UNIT OF 10 COUNTERS	1	1	200		58	12	70
99980FD	STANDARD DETAIL 6-J COUNTER 3 FT WIDE, 3 FT HIGH,WITH LEAD -LINED TROUGH UNIT OF 100 LINEAL FEET	3	4	1,039		203	46	249

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980FE	STANDARD DETAIL 6-K COUNTER DENTAL,2 FT WIDE,3 FT HIGH 4 FT LONG UNIT OF 10 COUNTERS	1	1	445		197	35	232
99980FF	STANDARD DETAIL 6-L COUNTER W/24 X 16 X 12 IN SINK,2 FT 2 IN WIDE 3 FT HIGH 4 FT LONG UNIT OF 10 COUNTERS	1	2	760		157	23	180
99980FG	STANDARD DETAIL 6-M COUNTER SERVING,3 FT 10 IN WIDE,3 FT HI UNIT OF 100 LINEAL FEET	2	2	559		116	23	139
99980FH	STANDARD DETAIL 6-N COUNTER PREPARATION,2 FT 3 INCH WIDE 3 FT HIGH UNIT OF 100 LINEAL FEET	1	2	301		104	23	127
99980FJ	STANDARD DETAIL 6-P COUNTER DISHWASHING WITH 4 SINKS 24 X 16 X 12 IN PER 100 LINEAL FOOT UNIT	1	2	738		174	23	197
99980FK	STANDARD DETAIL 6-Q COUNTER POT WASHING WITH 6 SINKS 30 X 24 X 12 IN PER 100 LINEAL FOOT UNIT	2	3	1,071		197	23	220
99980FL	STANDARD DETAIL 6-R COUNTER AND FUME HOOD,7 FT 9 INCH HIGH 2 FT DEEP 4 FT LONG UNIT OF 10 COUNTERS	1	1	218		232	46	278
99980FM	STANDARD DETAIL 6-T COUNTER POT SCRAPING,2 FT 6 INCH WIDE 4 FT 6 IN LONG UNIT OF 10 COUNTERS	1	1	473		255	23	278
99980FN	STANDARD DETAIL 6-U COUNTER,2 FT WIDE,5 FT LONG UNIT OF 10 COUNTERS	1	2	285		116	12	128
99980FP	STANDARD DETAIL 6-W COUNTER,2 FT WIDE, 14 FT LONG UNIT OF 10 COUNTERS	3	4	583		174	23	197
99980FR	STANDARD DETAIL 6-X COUNTER,2 FT WIDE, 2 FT LONG UNIT OF 10 COUNTERS	1	1	209		58	12	70
99980FT	STANDARD DETAIL 6-Z COUNTER 2 FT WIDE 5 FT LONG UNIT OF 10 COUNTERS	2	2	349		73	12	85
99980FU	STANDARD DETAIL 6-AA COUNTER 2 FT WIDE 6 FT LONG UNIT OF 10 COUNTERS	2	3	381		73	12	85

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980FV	STANDARD DETAIL 6-BB COUNTER 2 FT WIDE 8 FT LONG UNIT OF 10 COUNTERS	2	3	416		73	12	85
99980FW	STANDARD DETAIL 6-CC COUNTER 2 FT WIDE 14 FT LONG UNIT OF 10 COUNTERS	3	4	485		116	23	139
99980FY	STANDARD DETAIL 6-DD COUNTER 1 FT 6 IN WIDE 3 FT HI 20FT LG WITH 3 FT WIDE GATE UNIT OF 10 COUNTERS	4	6	757		139	23	162
99980GA	STANDARD DETAIL 6-EE COUNTER 2 FT WIDE TOP,3 FT HIGH WITH DOORS UNIT OF 100 LINEAL FEET	2	3	618		168	46	214
99980GB	STANDARD DETAIL 7-A DESK AND DRAWERS UNIT OF 10 DESKS	2	3	899		348	46	394
99980GE	STANDARD DETAIL 19-C AND 19-D.VESTIBULE FOR SINGLE DOOR ENTRANCE							
99980GF	STANDARD DETAIL 7-E 3 FT W; 6 FT L; 3 FT H WORK TABLE UNIT OF 10 TABLES	1	2	319		15	4	19
99980GG	STANDARD DETAIL 11-A.SINK IN COUNTER							
99980GH	STANDARD DETAIL 11-B; SINK ON STAND UNIT OF 10 SINKS	1	1	89		16	3	19
99980GJ	STANDARD DETAIL,7-H LIBRARY TABLE 30X60INCH.UNIT OF 10 TABLES IN THIS FACILITY.	1	2	331		23	7	30
99980GK	STANDARD DETAIL 7-J; WORK TABLE 2 FT 5IN HIGH; 6 FT; 8-1/4 IN LONG; 2 FT DEEP UNIT OF 10 TABLES	3	5	722		3	1	4
99980GL	STANDARD DETAIL 11-K; WATER SERVICE BOX					1	1	2
99980GM	STANDARD DETIL 11-W.GREASE INTERCEPTOR/OIL SEPARATOR-CONC							
99980GN	STANDARD DETAIL 11-Q; VENT STACK FLASHING AND ROUGH-IN; UNIT OF 10 VENTS					6	6	12

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TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99980GP	STANDARD DETAIL 11-T; FLOOR DRAIN FOR 2 IN OR 4 IN PIPE; UNIT OF 10 DRAINS					12	12	24
99980GR	STANDARD DETAIL 9-A.SPACE HEATER							
99980GT	STANDARD DETAIL 10-F.EXTERIOR LIGHTPROOF LOUVERS W/FAN							
99980GU	STANDARD DETAIL 7-S; COOKS TABLE W/SINK; UNIT OF 10 TABLES	2	3	471		16	3	19
99980GV	STANDARD DETAIL 8-N.MONITOR WITH EXHAUST FAN							
99980GW	STANDARD DETAIL 11-M; OIL FIRED WATER HEATER AND STORAGE TANK					12	12	24
99980GY	STANDARD DETAIL 8-L; WEATHERPROOF ENCL	1	1	202		3	1	4
99980HA	STANDARD DETAIL 9-D; RADIATION CONNECTION					23	23	46
99980HB	STANDARD DETAIL 11-E; SHOWER PLUMBING					6	6	12
99980HC	STANDARD DETAIL,8-C BENCH UNIT 1FOOT-3INCH WIDE,1FOOT-4INCH HIGH UNIT OF 100 LF OF BENCH IN THIS FACILITY.	1	1	158		6	1	7
99980HD	STANDARD DETAIL 11-X; TYPICAL HOSE BIBB; UNIT OF 10 BIBBS			32		64	32	96
99980HE	STANDARD DETAIL 14-A; AIR CONDITIONING UNIT INSTALLATION FOR AIR COOLED OR WATER COOLED UNITS			56		58	58	116
99980HF	STANDARD DETAIL 15-G; UNIT HEATER CONNECTION					12	12	24
[illegible]								
[illegible]								
99999AA	CONTAINERIZED(TRICON) ROAD REPAIR AND FIELD FORTIFICATIONS KIT W/48 INCH CORRUGATED METAL PIPE AND SANDBAGS.	5	13	4,546				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99999AB	CONTAINERIZED (TRICON) ROAD REPAIR KIT W/36 INCH CORRUGATED METAL PIPE AND SANDBAGS.	5	12	4,391				
99999AC	CONTAINERIZED (TRICON) ROAD REPAIR KIT W/24 INCH CORRUGATED METAL PIPE AND SANDBAGS.	4	14	3,663				
99999AD	CONTAINERIZED (TRICON) ROAD REPAIR KIT W/18 INCH CORRUGATED METAL PIPE AND SANDBAGS.	4	16	3,175				
99999AE	CONTAINERIZED (TRICON) SANDBAGS FOR EXPEDIENT CONSTRUCTION/ REPAIR OF ROADS AND FIELD FORTIFICATIONS.	5	18	5,963				
99999AF	CONTAINERIZED (TRICON) FIELD FORTIFICATIONS KIT W/BARBED TAPE CONCERTINA WIRE AND BARBED TAPE GLOVES.	2	16	12,390				
99999AG	CONTAINERIZED (TRICON) FIELD FORTIFICATIONS KIT W/BARBED WIRE, STEEL U-SHAPED PICKETS, ENGINEER TAPE AND STEEL I-SECTIONS.	8	15	5,266				
99999AH	CONTAINERIZED (MILVAN) FIELD FORTIFICATIONS AND GENERAL CONSTRUCTION KIT - 2 IN X 12 IN TREATED LUMBER.	16	49	6,324				
99999AJ	CONTAINERIZED (MILVAN) FIELD FORTIFICATIONS AND GENERAL CONSTRUCTION KIT - 8 IN X 12 IN TREATED STRUCTURAL TIMBER.	16	49	7,824				
99999AK	CONTAINERIZED (MILVAN) GENERAL CONSTRUCTION KIT - PLYWOOD, CORRUGATED SHEET METAL, 1X6 AND 2X4 TREATED LUMBER.	21	59	12,639				
99999AL	CONTAINERIZED (MILVAN) GENERAL CONSTRUCTION KIT - ASSORTED SIZES OF TREATED LUMBER (1X6 2X4 2X6 2X8 & 2X10)	16	49	5,349				
99999AM	CONTAINERIZED (TRICON) GENERAL CONSTRUCTION KIT OF CONSUMABLE SUPPLIES.	11	20	12,414				
99999AN	CONTAINERIZED (TRICON) GENERAL CONSTRUCTION KIT OF ELECTRICAL SUPPLIES.	9	38	52,212				

TROPIC CLIMATE

FACILITY NUMBER	DESCRIPTION	CONSTRUCTION MATERIAL WT SHT TONS	CONSTRUCTION MATERIAL VOL MEAS TONS	COST $	CONST EFFORT IN MAN-HOURS HOR	VERT	GENL	TOT
99999AP	CONTAINERIZED (TRICON) GENERAL CONSTRUCTION KIT OF PLUMBING SUPPLIES.	2	12	3,755				
99999AR	CONTAINERIZED (TRICON) RIGGING KIT W/ASSORTED SIZES OF FIBER ROPE - WIRE ROPE - CHAIN AND RELATED ACCESSORIES.	7	14	13,090				
99999AT	CONTAINERIZED (TRICON) MARKING & CAMOUFLAGE KIT W/MARKING & CAMOUFLAGE PAINT AND CAMOUFLAGE NET SETS (WOODLAND).	5	19	21,159				
99999AU	CONTAINERIZED (TRICON) HAND TOOL KIT FOR USE BY INDIGENOUS LABOR.			373				
99999AV	CONTAINERIZED (TRICON) MARKING & CAMOUFLAGE KIT W/MARKING & CAMOUFLAGE PAINT AND CAMOUFLAGE NET SETS (DESERT).	4	15	8,160				

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

★U.S. GOVERNMENT PRINTING OFFICE: 1966 - 406-421/40201

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