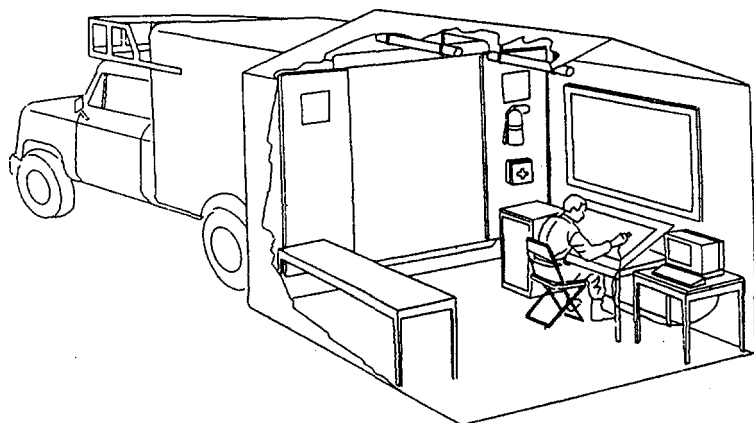


**TECHNICAL MANUAL
OPERATOR'S MANUAL**

**STANDARDIZED INTEGRATED
COMMAND POST SYSTEM
TENT COMMAND POST**



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**This copy is a reprint which includes
current pages from Changes 1 and 2.**

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**EXPENDABLE/DURABLE
SUPPLIES AND
MATERIALS LIST D-1**

CHANGE

NO. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 16 JULY 1992

Operator's Manual

**STANDARDIZED INTEGRATED COMMAND POST SYSTEM
TENT COMMAND POST**

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TM 10-8340-225-10, 11 JULY 1988, is changed as follows:

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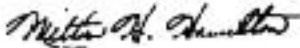
B-3 through B-6

B-3 through B-6

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General, United States Army
Chief of Staff

Official: 

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 29 January 1990

Operator's Manual

STANDARDIZED INTEGRATED
COMMAND POST SYSTEM
TENT COMMAND POST

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DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Operator Maintenance requirements for Tent, Extendable, Modular (TEMPER).

WARNING

DO NOT work with cables or fixtures unless the electrical power is disconnected from the power source. Possible fire or electrical hazard to personnel may occur.

KEEP ALL flammable objects away from tent. Fire damage may occur.

MAKE SURE when tent is closed that all engine exhaust is vented to the outside. Carbon monoxide poisoning may result.

Operator's Manual

STANDARDIZED INTEGRATED COMMAND POST SYSTEM

Approved for public release. Distribution is unlimited.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 (located in the back of this manual) direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd. St. Louis, MO 63120-1798. A reply will be furnished to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

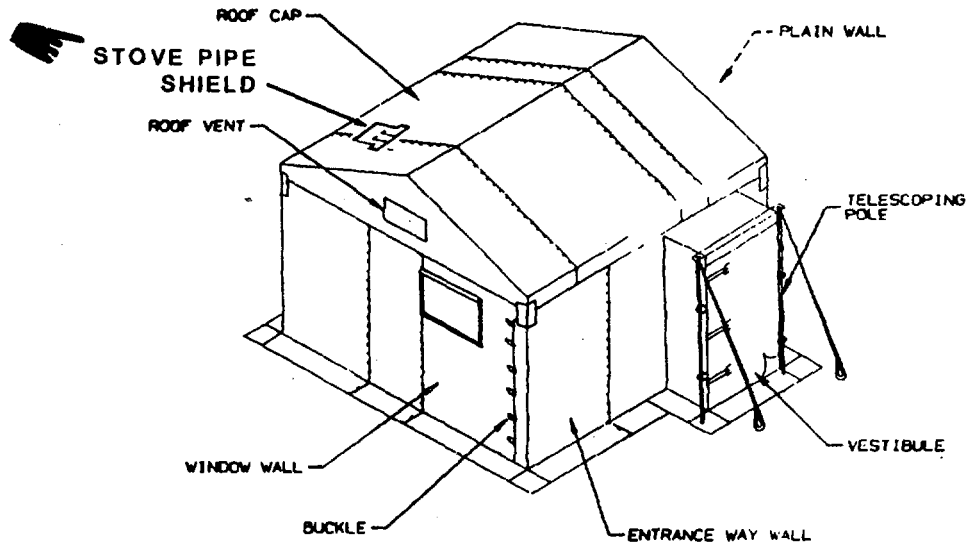


Figure 1-1. Integrated Command Post Extension Tent

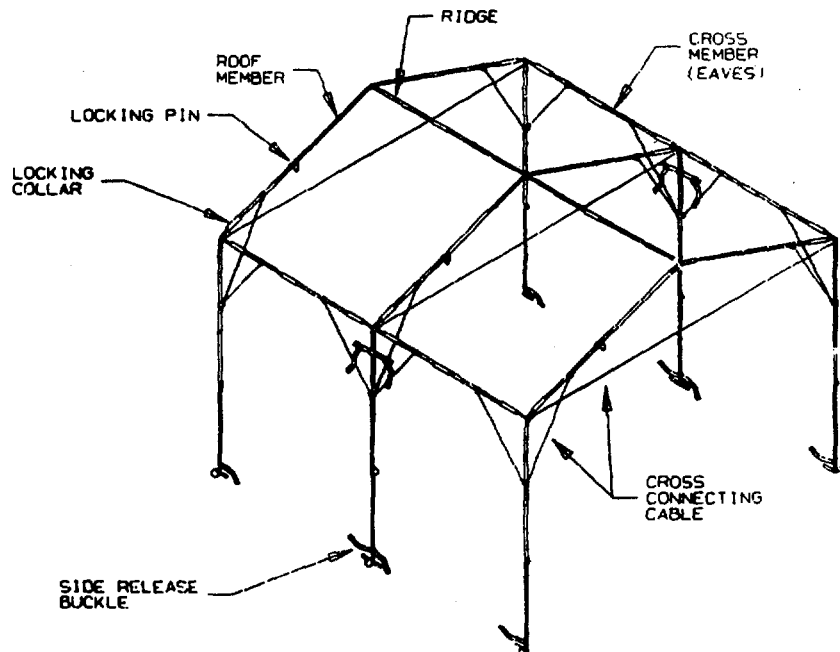


Figure 1-2 ICP Frame

Figure 1-2. ICP Frame

1-1. SCOPE.

a. Type of Manual. Operator's Manual which provides instructions for the erection, striking and repair procedures for the Tent, Command Post, used with the Standardized Integrated Command Post System (SICPS).

b. Model Number and Equipment Name. No model number has been assigned at this time for the Standardized Integrated Command Post System.

c. Purpose of Equipment. To provide shelter to support commanders; to control communications and intelligence operations at all levels.

d. Special Feature. Tent frame is a single piece collapsible component.

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your tent needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-QX, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798.

1-4. LIST OF ABBREVIATIONS.

m2	square meter
para	paragraph
sq ft	square feet

Section II. EQUIPMENT DESCRIPTION

1-5. EQUIPMENT, CHARACTERISTICS, CAPABILITIES AND FEATURES.

a. Purpose. To provide shelter to support command, control, communication and intelligence (C3I) operations at all levels.

b. Capabilities and Features.

- (1) May be utilized as a stand alone structure or in conjunction with tactical vehicles.
- (2) Highly Mobile.
- (3) Quickly erectable.

1-5. EQUIPMENT, CHARACTERISTICS, CAPABILITIES AND FEATURES-CONT.

- (4) Capable of interconnecting to form larger work space areas.
- (5) Capable of interconnecting end to end, side to side and side to end in any configuration designed.
- (6) Tent sidewalls are interchangeable and can be installed in any configuration.
- (7) Two soldiers can set up and disassemble the tent to include load and unloading of all components of the system.
- (8) The frame is a single piece collapsible component constructed of light weight tubular aluminum supports which fold and extend telescopically.
- (9) Walls are joined together using hook and pile velcro and buckles.
- (10) Tent is made of water resistant, mildew resistant, polyester duck fabric.
- (11) Tent frame can be adjusted to compensate for the slope of the terrain.

1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

- a. An external view of the major tent fabric components is shown in Figure 1-3.

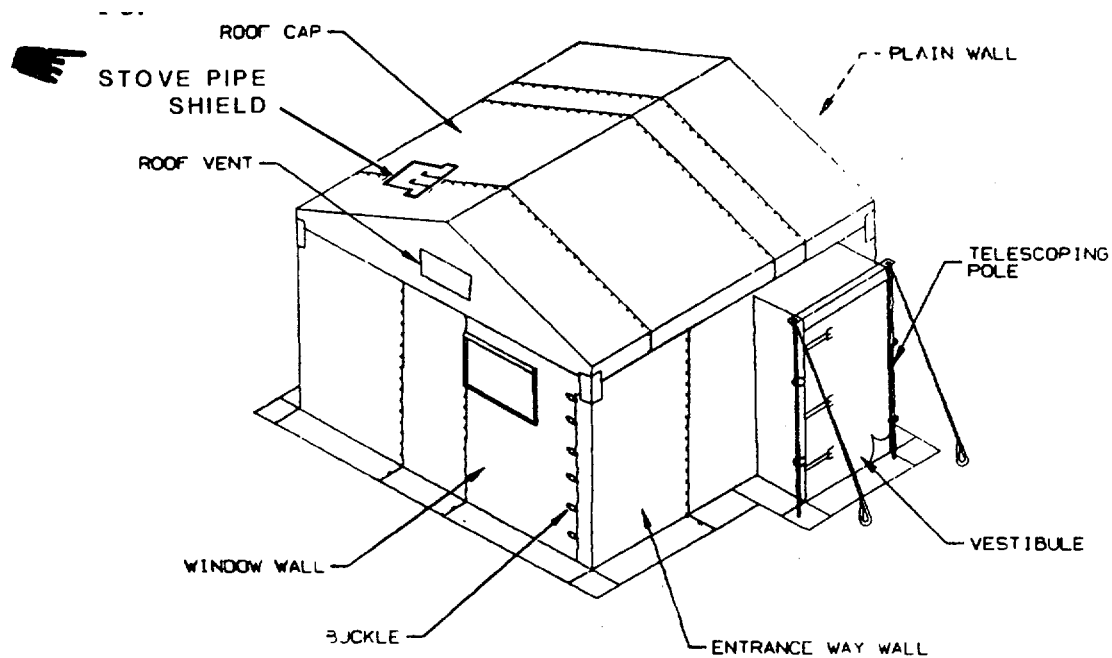


Figure 1-3. ICP Extension Tent (External View)

Roof Cap. Provides shelter from environment and contains two roof vents for ventilation purposes. Composed of vinyl coated polyester fabric and an inner vinyl coated nylon fabric. An identification label is located on the inside. One is provided with each system.

Plain Wall. Constructed from polyester duck in the color of camouflage green, army shade #483. An identification label is sewn on the inside of each. There are two provided with each system.

Window Wall. Contains a 2' 3 1/2" x 3' 4" window. Constructed of polyester duck in the color of camouflage green, army shade #483. An identification label is sewn on the inside of each. One is provided with each system.

Entrance Way Wall/Vestibule. Covered entrance way allows for entry/exit into the tent. Enhances ventilation and provides black out protection. Constructed of polyester duck in the color of camouflage green, army shade #483. An identification label is sewn on the inside. One is provided with each system.

1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS-CONT.

b. All major tent frame components are identified in Figure 1-4.

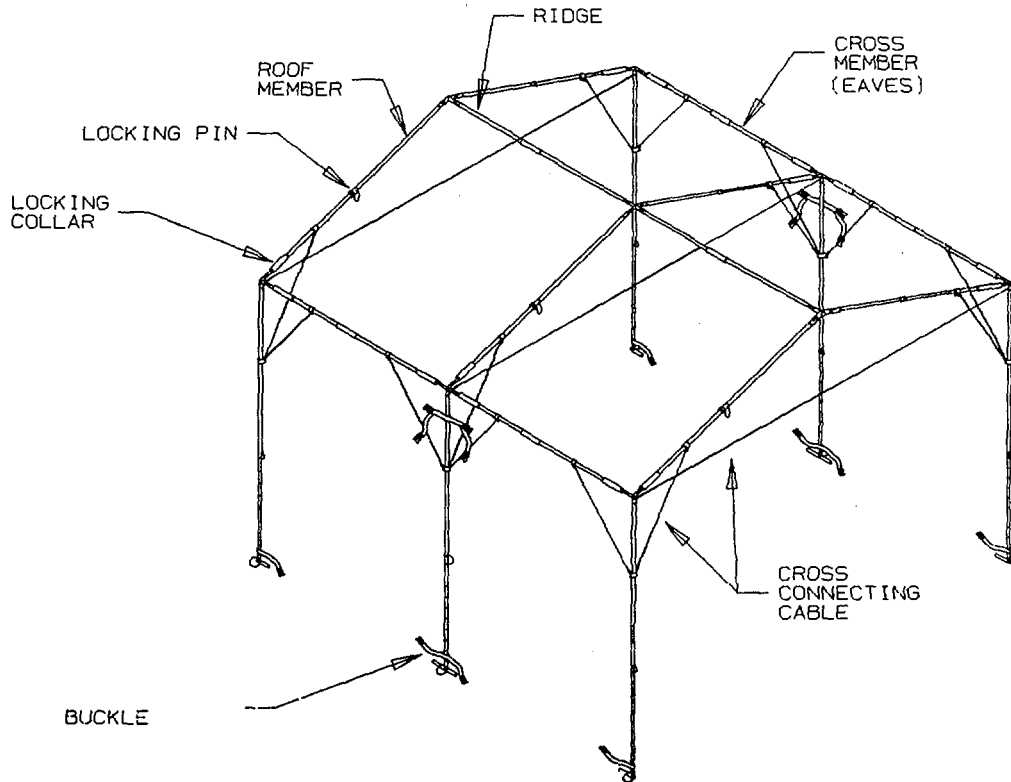


Figure 1-4. ICP Frame Overview

Locking Pin. Allows extension to the full width and height of the frame.

Locking Collar. Maintains the expanded frame in place at the frame hinges.

Buckles. Allows extension of the legs and maintains legs in the contracted position.

Roof Member. Supplies support to the roof cap.

Cross Member. Supplies support to the roof cap and maintains the frame legs at their full width.

Cross Connecting Cable. Allows expansion and contraction of the frame.

Ridge. Supplies support to the roof members and is the most elevated portion of the roof.

1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS-CONT.

c. Figure 1-5 illustrates the light set, which is for illumination purposes.

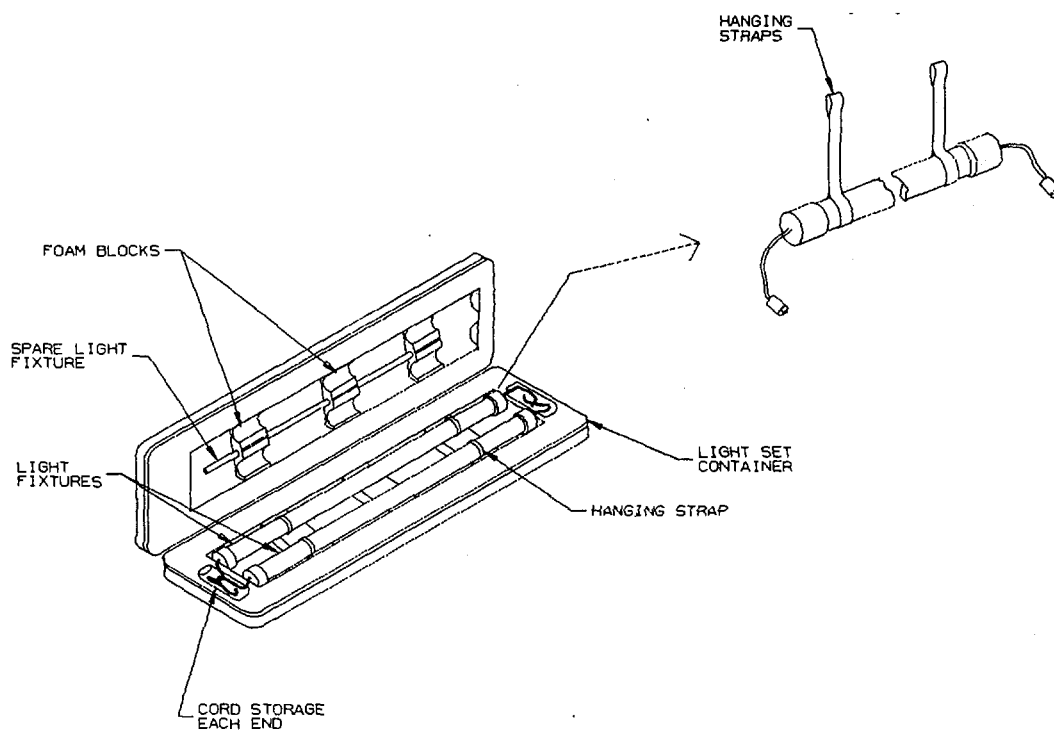


Figure 1-5. Light Set

d. The map board, which is to be used for placement of maps/related documents, is illustrated in Figure 1-6.

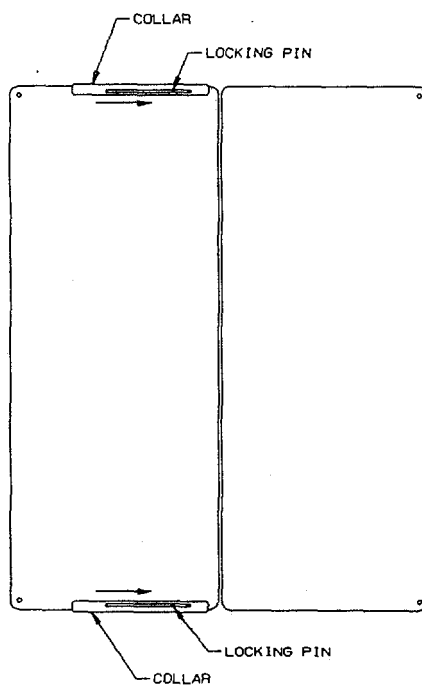


Figure 1-6. Map Board

1-6. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS-CONT.

e. The table, which is provided as a work station area, is illustrated in Figure 1-7.

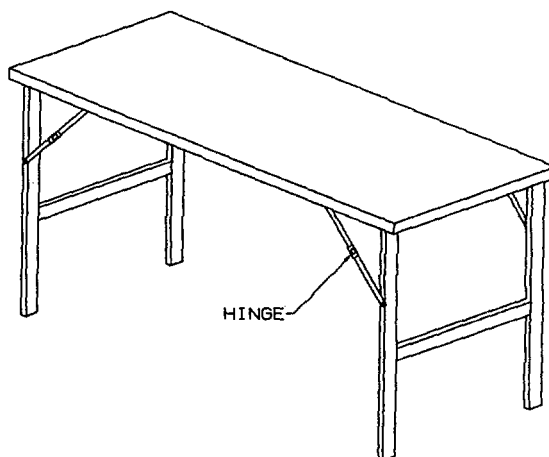


Figure 1-7 Table

1-7. EQUIPMENT DATA. Refer to table 1-1.

Table 1-1. Equipment Data

COMPONENT	WEIGHT		AREA	
	Pounds	(Kilograms)	Sq Ft	(M2)
12'5" x 8' Plain Wall	12	(5)	99	(9)
12'5" x 8' Window Wall	13	(6)	99	(9)
11' x 11 Roof Cap	43	(20)	121	(11)
12'10" x 12'10" Floor	18	(8)	65	(15)
12'5" x 8' Entrance Way Wall/Vestibule	22	(10)	99	(9)
11' x 15 " Rain Gutter	3	(1)	14	(1)
11'11" x 7' Plain Wall Liner	13	(6)	89	(8)
11'11" x 7' Entrance Way Liner	12	(5)	89	(8)
Telescopic Frame	100	(45)	121	(11)
Transport Bag for Frame	10	(5)	11	(1)

1-7. EQUIPMENT DATA-CONT.

Table 1-1. Equipment Data-Cont.

COMPONENT	WEIGHT		AREA	
	Pounds	(Kilograms)	Sq Ft	(M2)
Transport Bags for Fabric Components	12	(5)	10	(9)
Light Set Container	21	(10)	3.26	(.094)
Light Set Fixture	10	(5)	0.45	(.013)
Map Board	29	(13)	0.83	(.024)
Table	31	(14)	1.25	(.221)

a. When the Standardized Integrated Command Post Tent is erected it utilizes an area of 121 square feet and weighs 395 pounds.

b. When the Standardized Integrated Command Post System is packaged, it consumes the following cubic feet and weighs as follows:

(1) The fabric sections, which are packaged in the two provided fabric transport bags, utilizes an area of 13.33 cubic feet each and together they weigh 196 pounds.

(2) The frame, when packaged in the provided frame transport bag, utilizes an area of 6.6 cubic feet and will weigh 110 pounds.

(3) The light set, when packaged in the provided light set container utilizes an area of 2.44 cubic feet and will weigh 31 pounds.

(4) The map board when folded will consume an area of 1.05 cubic feet and will weigh 29 pounds.

(5) The table when collapsed for transport, will consume an area of 1.92 cubic feet and will weigh 31 pounds.

SECTION III. TECHNICAL PRINCIPLES OF OPERATION

1-8. OPERATION OF THE TENT. The following provides the designed functions for each component of the Standardized Integrated Command Post Tent.

- a. Wall Liners. These have a multi-functional purpose. They serve to provide insulation and can serve as the outside wall, in hot weather, during day light hours. When installed between two adjoining tents, the liner may serve as a divider or privacy wall. Also the liners provide light discipline.
- b. Vestibule. Covered entryways which provide protection from the elements while traveling into the tent. In addition, it functions to provide blackout protection.
- c. Ventilation. Each tent has one window and two roof vents designed for ventilation, the door opening also will provide such.
- d. Rain Gutter. To ensure rain run off between tents when adjoined.

1-9. OPERATION OF THE LIGHT SET. The set is filtered and screened for electromagnetic interference compatibility. The light fixtures are totally enclosed for safe operation with a class P ballast for overheat protection. Each fixture has one spare fuse enclosed. The light set will operate from 115 VAC, 50 or 60 Hertz.

CHAPTER 2

OPERATING INSTRUCTIONS

Section I. DESCRIPTION AND USE OF OPERATOR'S CONTROLS AND INDICATORS

2-1. OPERATOR'S CONTROL OF LIGHT SET. Refer to table 2-1.

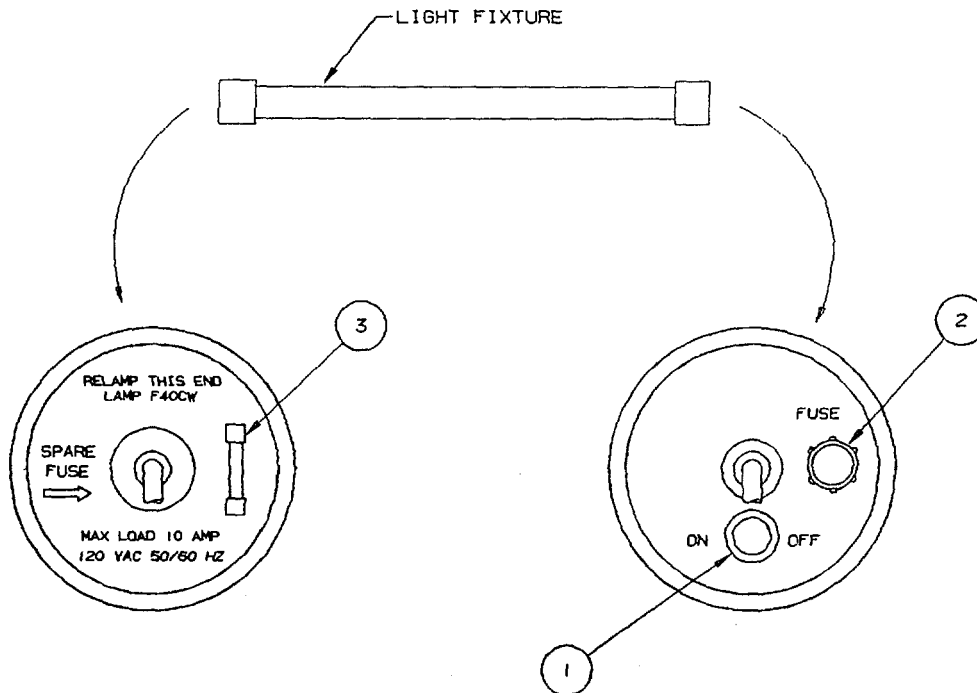


Table 2-1. LIGHT FIXTURE CONTROLS

Key	Control or Indicator	Function
1	On/Off Switches	Permits electrical power to provide light.
2	Fuse	Protect light set from overload and shorting.
3	Spare Fuse	Provides for back-up fuse in case of failure.

Section II. OPERATOR PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2-2. INTRODUCTION.

a. General. Your Preventive Maintenance Checks and Services table lists the inspections and care of your equipment required to keep it in good operating condition.

(1) Before you operate. Always keep in mind the CAUTIONS and WARNINGS. Perform your before (B) PMCS.

(2) While you operate. Always keep in mind the CAUTIONS and WARNINGS. Perform your during (D) PMCS.

(3) After you operate. Be sure to perform your after (A) PMCS.

(4) If your equipment fails to operate. If your equipment does not perform as required, refer to Chapter 3 under Troubleshooting for possible problems. Report any malfunctions or failures on the proper DA Form 2404, or refer to DA PAM 738-750.

b. Special Instructions. Perform weekly as well as before operations PMCS if:

(1) You are the assigned operator and have not operated the item since the last weekly.

(2) You are operating the item for the first time.

2-3. PMCS COLUMNAR ENTRIES.

a. Item number column. This is the order in which you perform checks and services on Standardized Integrated Command Post System Tent Command Post. The entry in this column will also be used as a source of item numbers for the "TM Item Number" column on DA Form 2404, Equipment Inspection and Maintenance Worksheet, in recording results of PMCS.

2-3. PMCS COLUMNAR ENTRIES-CONT.

- b. Interval columns. The interval column of your PMCS table tells you when to do a certain check or service.
- c. Item to be inspected column. Identification of item to be inspected.
- d. Procedures column. The procedures column of your PMCS table tells you how to do the required checks and services. Carefully follow these instructions. If you do not have the tools, or if the procedure tells you to, have the next higher level of maintenance do the work.
- e. Equipment is not ready/available if: column. Entries in this column will be keyed specifically to checks listed in the "procedures" column for the purpose of identifying, for the check, the criteria that will cause the equipment to be classified as not ready/available because of inability to perform its primary Combat Mission. An entry in this column will:
 - (1) Identify conditions that make the equipment not ready/available for readiness reporting.
 - (2) Deny use of the equipment until corrective maintenance has been performed.

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures

B - Before Operation D - During Operation A - After Operation
 W - Weekly Operation M - Monthly Operation

Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
1	•		•			Frame	Ensure that telescoping joints (1), locking pins (2) and locking collars (3) function smoothly.	Frame will not erect or strike.
2	•		•				Check cables (4) for frays and secure mounting.	Frame will not erect.

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures-Cont.

Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
2		•	•			Tent Fabric	Check for tears, punctures or separated seams inside and outside of tent including liners (1) and floor (2).	Fabric does not provide adequate shelter from weather.
3		•		•		Hook and Pile Velcro	Inspect hook and pile velcro for good installation and good hold when pressed together. Remove dirt and debris by brushing.	Hook and pile will not hold together when pressed.
4		•		•		Guy Lines	Inspect guy line (4) for cuts or fraying. Check for loose lines and tighten.	Lines are cut, frayed or show excessive wear.
5		•		•		Tent Slips	Inspect tent slip (5) for bent or broken tent slip.	Broken tent slips.

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures-Cont.

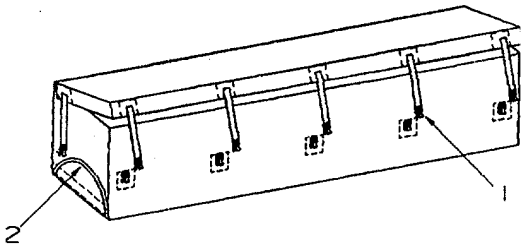
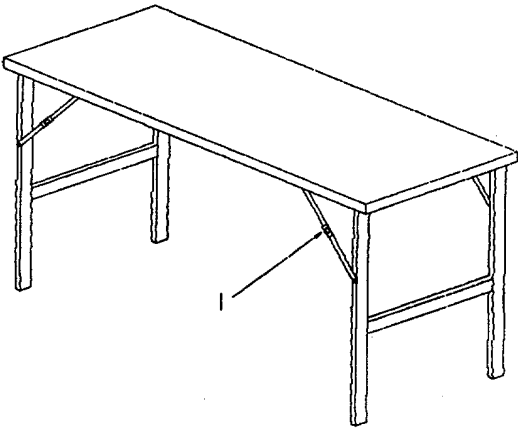
Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
6	•		•			Transport Bags	<p>Check buckles (1) and straps (2) for damage and secure attachment.</p> 	Tent cannot be transported.
7	•		•			Table	<p>Ensure hinges (1) function smoothly. Check for cracks and breaks.</p> 	Will not fold or open. Bent or broken beyond use.

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures-Cont.

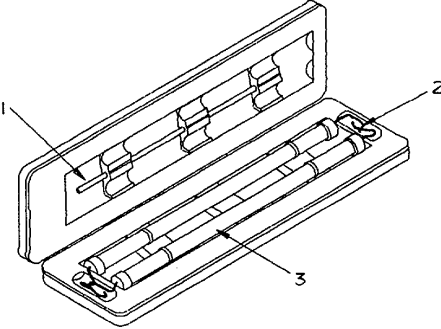
Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
8	•				•	Light Set	<p>WARNING</p> <p>Possible fire or electrical hazard to personnel or equipment exists.</p> <p>Ensure that all components are present. Check for damage, such as cracked or broken parts.</p>	Missing components or damaged parts.
								
9	•	•			•	Floures-cent Lamps	<p>Ensure that spare lamp (1) is intact. Operationally check the lamp. Check for burned out or flickering bulbs.</p>	Bulb burned out or flickering.

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures-Cont.

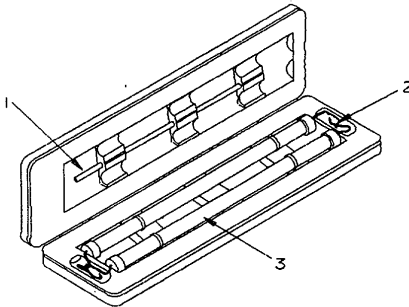
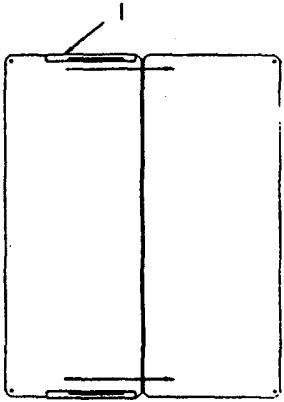
Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
10	•		•			Fixtures	<p>WARNING</p> <p>Turn off power before installing lamp, checking wiring or cleaning.</p> <p>Check wiring and plugs (2) for cracks/breaks. Clean the fixtures (3) by wiping with a dry cloth.</p>	Light will not function.
								

Table 2-2. Operator Preventive Maintenance Checks and Services Procedures-Cont.

Item No.	Interval					Item to be Inspected	Procedure	Equipment is not ready/Available If:
	B	D	A	W	M			
11	•		•			Map Board	Ensure collar (1) functions smoothly. Check for cracks or breaks. 	Will not fold or open. Bent or broken beyond use.

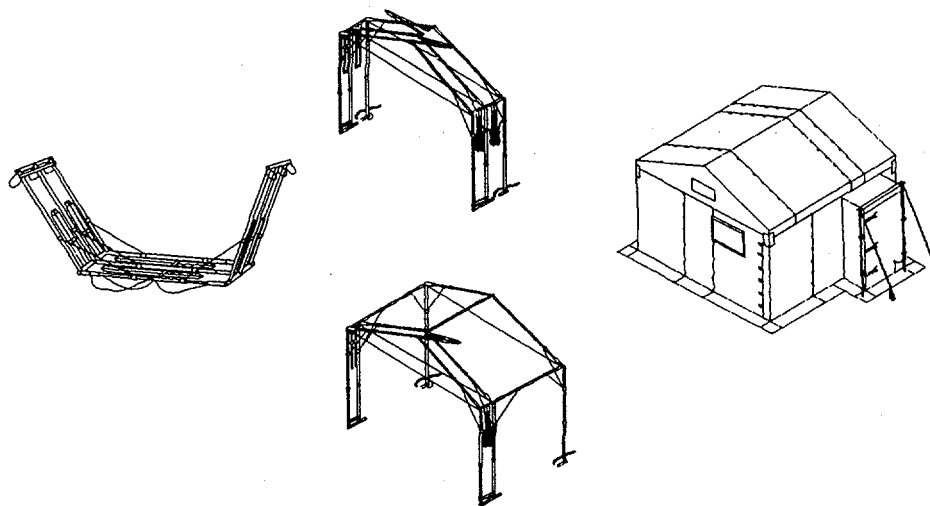
SECTION III. OPERATIONS UNDER USUAL CONDITIONS

2-4. ABBREVIATED SET-UP INSTRUCTIONS. This provides abbreviated instructions for those who have erected the tent before. Refer to paragraphs 2-5 through 2-18, if problems are encountered, for detailed assembly instructions.

NOTE

The tent is designed to be easily erected by two soldiers in less than fifteen minutes. There is an alternate setup procedure provided on labels sewn on the transport bag. Either setup procedure is authorized (bag or manual).

- a. Remove tent components from transport bags as needed in sequence.
- b. Expand the frame to an upside-down "U".
- c. Expand the frame width.
- d. Expand the length of the frame.
- e. Install the roof cap.
- f. Extend the legs to full height.
- g. Install the entrance way wall.
- h. Install the plain walls.

2-4. ABBREVIATED SET-UP INSTRUCTIONS-CONT.

- i.* Secure the tent wall corners.
- j.* Extend and stake the entrance vestibule.
- k.* Install the floor.
- l.* Install the liners.
- m.* Interconnect adjoining tents.
- n.* Install privacy curtains, if desired.

2-5. DETAILED SET-UP PROCEDURES. The following instructions are for those who are not experienced erecting the Standardized Integrated Command Post System.

2-6. UNPACKING AND INSPECTION. All tent components and the light set are packaged in reusable shipping containers. Unpack transport bags and visually inspect their contents for the correct quantities, as listed in Appendix B, Components of End Item and Basic Issue Items. Also refer to Table 2-2, Operator PMCS, for inspection procedures. Store containers for future use.

CAUTION

Do not step on tent components. Damage can result.

2-7. SITE SELECTION. When selecting a site to locate the Standardized Integrated Command Post Shelter Tent, the following characteristics are preferable:

- a.* Level area.
- b.* Clear of all rocks and underbrush.
- c.* Sheltered from high winds.
- d.* Prepared for good drainage.

2-7. SITE SELECTION-CONT.

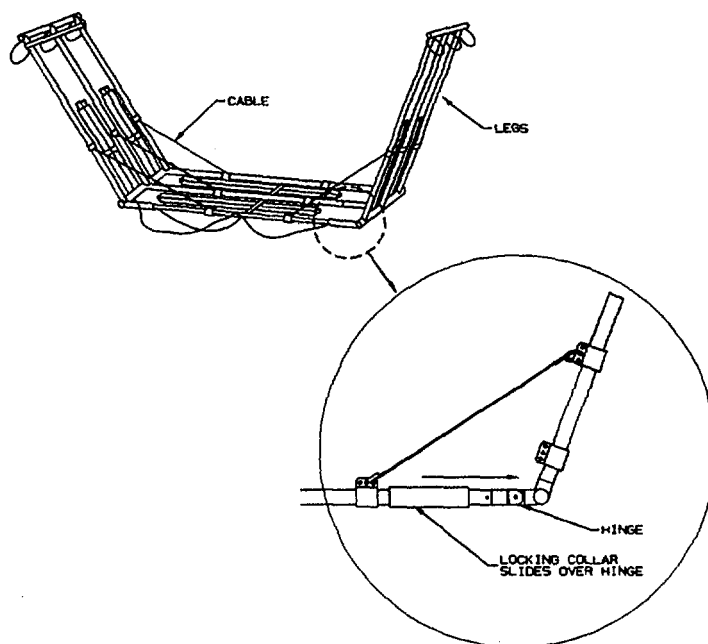
- e. Accessibility for a tactical track vehicle.
- f. Accessibility for annexing another Command Post Tent.

2-8. FRAME ASSEMBLY. Erect tent frame, as follows.**CAUTION**

When handling tent frame do not twist or force the frame to telescope. Damage to the frame can result.

a. Upright Expansion.

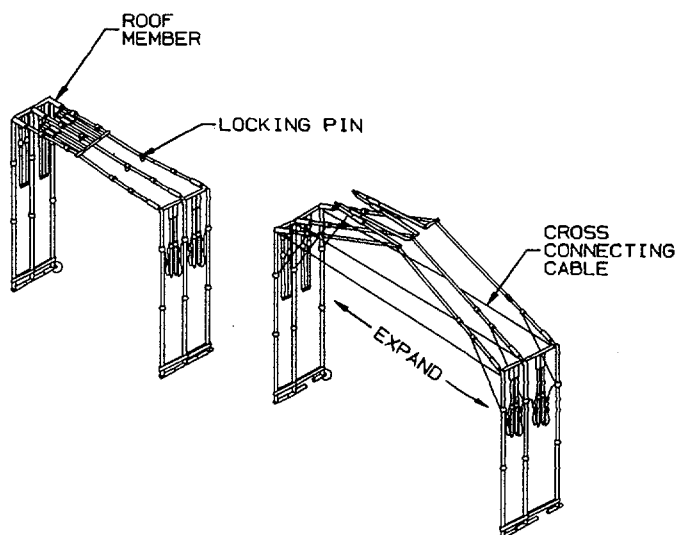
- (1) Remove tent frame from its transport bag.
- (2) Position folded tent frame in center of the tent site with legs on top.
- (3) Unfold legs by rotating them to the vertical position; watch that the cables do not hang up or tangle. The frame is now in an upright "U" position.



- (4) Lay the frame over on its side.
- (5) Lock the frame into this shape by sliding the locking collars over the hinges on the cross pieces of the "U" (at each corner). There are six of these locking collars in all.
- (6) Stand the frame upright on its own feet.

2-8. FRAME ASSEMBLY-CONT.**b. Width Expansion.**

(1) Expand the left side of the frame by pulling the locking pins on each of the three left side roof members and telescoping them out to their full length. They will lock into place automatically at the fully extended position.



(2) Expand the right side of the frame by releasing the locking pins and telescoping the three right side roof members out to the limits of the cross-connecting cables. (If the cables cannot be fully extended make sure the cable is not twisted.)

(3) Complete the right side expansion by pushing up at the center (peak) of the roof and completing the telescoping to the fully extended and locked positions.

c. Length Expansion.

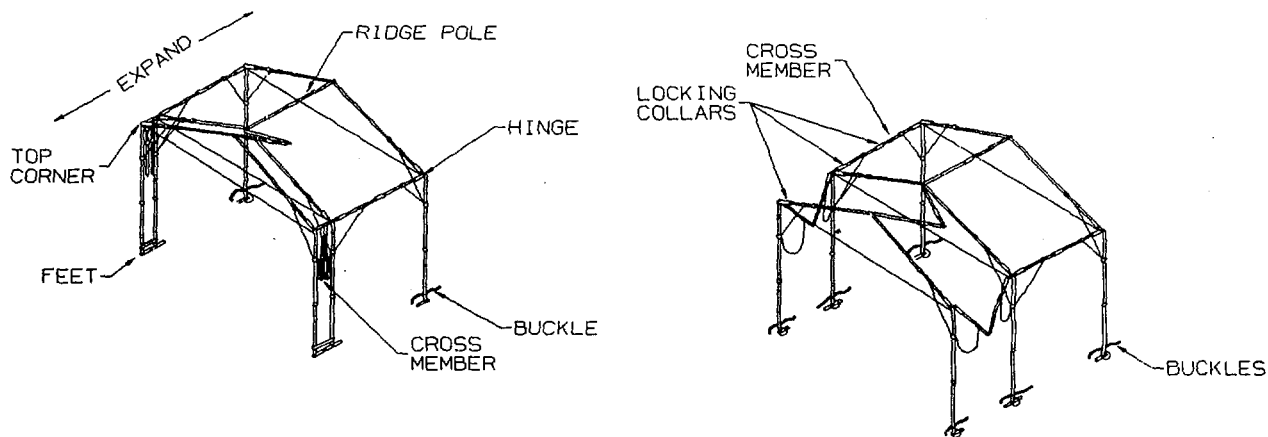
(1) Release one set of the buckles holding the bottom (feet) together on the left side of the frame.

(2) Release the corresponding set of buckles on the right side of the frame.

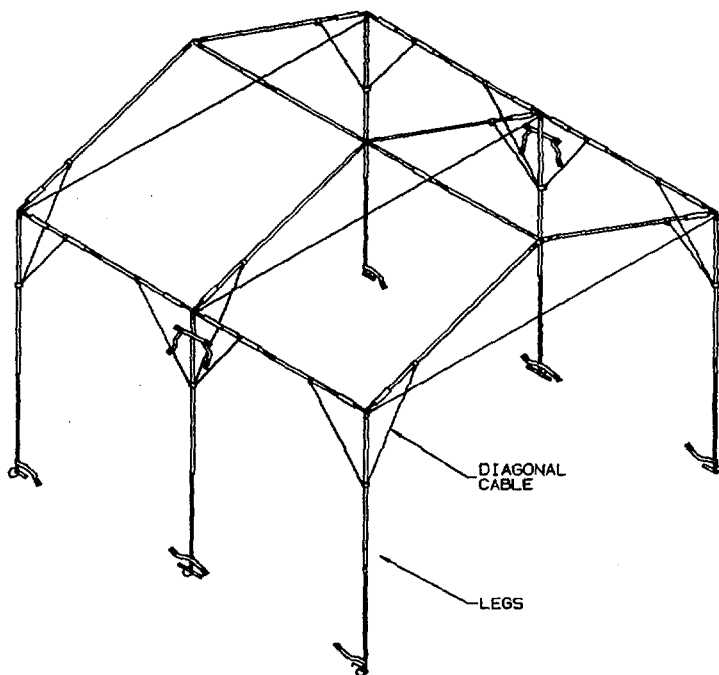
(3) Disengage the two feet that you have just released.

(4) Release the corresponding left and right buckles at the top corners.

2-8. FRAME ASSEMBLY-CONT.



- (5) Expand the unbuckled half of the frame length-wise by straightening the folded up cross members of the left and right side frame and the roof.
- (6) Lock the frame in this position by sliding the locking collars over the hinges. There are three locking collars on each side plus one in the center roof support.
- (7) Repeat the above steps one through six, for the other end of the frame. The frame is now expanded to its full length.



2-8. FRAME ASSEMBLY-CONT.**NOTE**

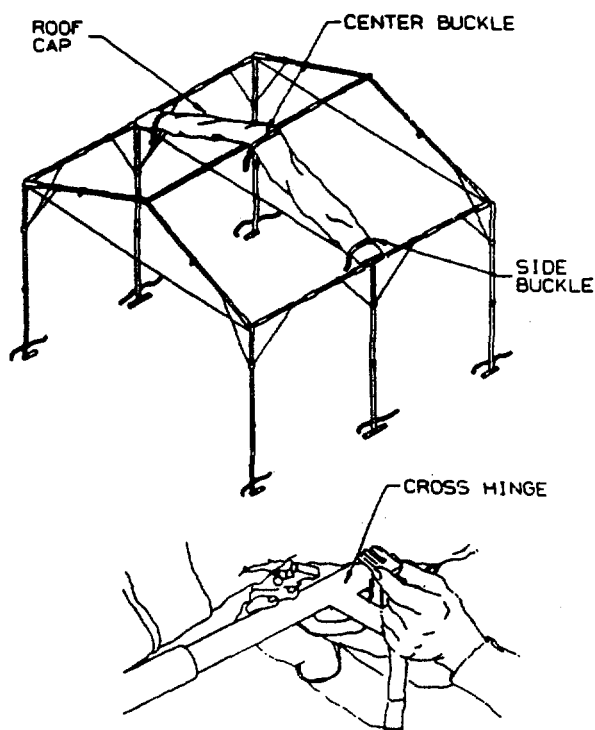
The frame is now fully extended in both length and width with the peak formed. Do not extend the legs until the roof cap fabric (top) is installed.

(8) Position the tent frame in the final position and push the bottom of all six legs outward so that all diagonal cables are tight.

(9) Drive a tent peg through the steel cable loops on each of the corner feet. This will ensure that the legs remain correctly positioned and stabilize the tent in high winds. The steel cable loops, located on the bottom of each frame foot, should be positioned on the outside of the frame.

2-9. ROOF CAP INSTALLATION . Install the roof cap over the frame, as follows:

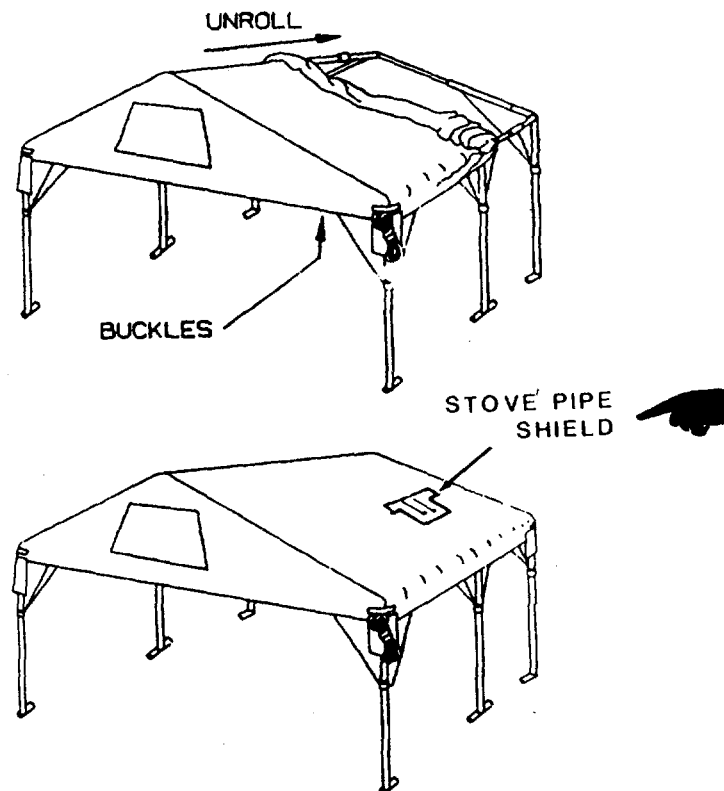
- a. Locate the rolled up roof cap and unfold it so that the crease between the rolls is up and flat side is down. Do not unroll it at this time.
- b. Lift one end of the rolled up roof cap and position the roll over the center peak support (ridge pole) of the frame, near the center of the tent.
- c. Position the roof cap roll exactly across the center of the frame by lining up the wide center ridge reinforcement (the reinforcement has an approximate 3 inch width) over the frame members left to right and end to end.



- d. Release the center buckle that ties the center of the roof cap. Roll together and rebuckle the around the cross hinge in the center of the ridge pole. This centers the roof cap on the frame. Pull the strap tight.

2-9. ROOF CAP INSTALLATION-CONT.

- e. Release the side buckles on each end of the roof cap roll and refasten them around the frame, so that the strap holds the sides of the roof centered over the frame. The wide reinforcement is the center roof reference.
- f. Unroll one half of the roof cap towards the end and stretch the corners over the corners of the frame. Repeat for the other half of the roof.



- g. Fasten the buckles, located on the underside of the roof cap, around the frame and pull them tight to take any sag out of the roof. There are a total of eight buckles, four on each side.
- h. When a space heater will be used, open stove pipe shield flap, roll inward toward the top of tent and secure with tie tape. For installation of space heater, refer to applicable space heater TM in Appendix A.

2-10. FINISHING THE FRAME . Before attaching the walls, it is necessary to extend the legs of the tent frame. Do so as follows:

- a. On one side at a time, with one person on each of the two corner legs, lift that side of the tent into the air.
- b. Each person extend their corner leg by pulling the locking pin and telescoping the leg out until it locks into position. Position the foot lengthwise of the tent and release the locking pin. The leg will automatically lock into its extended height position. Intermediate holes are provided for final fine tuning of the height adjustment. Avoid letting the locking pin position in one of these intermediate holes by rotating the foot to misalign the holes with the locking pin.

2-10. FINISHING THE FRAME-CONT.

- c. Do not extend the center legs at this time.
- d. Repeat above steps a and b for the other side of the tent.

CAUTION

When handling tent frame, do not twist or turn. Do not move tent in high wind. Damage to tent and frame could occur.

- e. If the tent needs to be repositioned, remove corner tent pins. The tent can then be easily lifted and moved short distances by three or four people. Be careful not to let dragging legs hang up on the terrain. The repeat paragraph 2-8, Step 9.
- f. If necessary, adjust the individual height of each corner leg to level the tent across the terrain. The height adjustment holes are spaced three inches apart and have an adjustment range, from the locking pin, of about 10 inches up and down.
- g. Extend the center legs on each side to the appropriate height by pulling the locking pin. These legs also automatically lock into place.
- h. Drive a tent peg through the steel cable loops on each of the center feet. This will ensure that the legs remain correctly positioned and will stabilize the tent in high winds. The steel cable loops, located on the bottom of each frame foot, should be positioned on the outside of the frame.

NOTE

For ease of assembly, the fabric wall sections may be attached before fully extending the legs of the frame. This is recommended if the extended eave height of 7 feet renders application of the walls difficult. Determine the best height to secure the walls and adjust the frame legs accordingly.

2-11. FABRIC WALL INSTALLATIONS . You are now ready to attach the fabric walls of the tent. All tent walls are interchangeable and will attach to any of the four sides of the roof cap. Decide which walls to use as follows:

- a. Use the entrance way wall/vestibule on the side of the tent which is to be a personnel entry and exit.
- b. Use "plain walls" or "window walls" on any outside wall that is not a entrance way/vestibule.
- c. Do not use a wall on any side adjoining another tent. Leave the corresponding wall packed away. You will use the "interconnecting sleeves/rain gutters" to attach tents one to another.

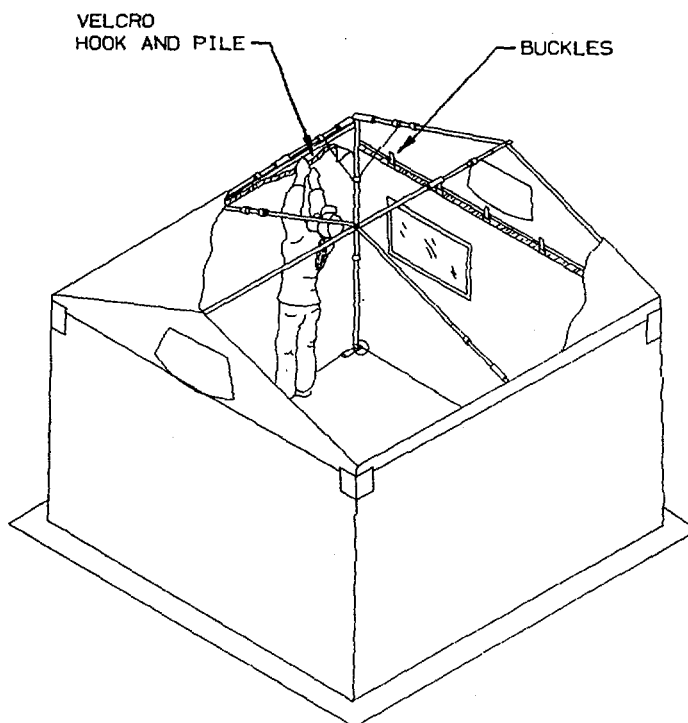
2-11. FABRIC WALL INSTALLATIONS-CONT.

NOTE

For ease of assembly, liners may be attached to walls before mounting. The liners are attached to the walls by using the hook and pile velcro. Press together and continue following instructions for the wall assembly. Also the liners and walls may remain connected when storing.

d. Wall Sections. Locate the desired wall (assembly instructions are the same for all wall types) and attach each to the desired side of the tent as follows:

- (1) Unfold the wall, stretch it out and position it so that the velcro pile faces the underside of the roof cap.



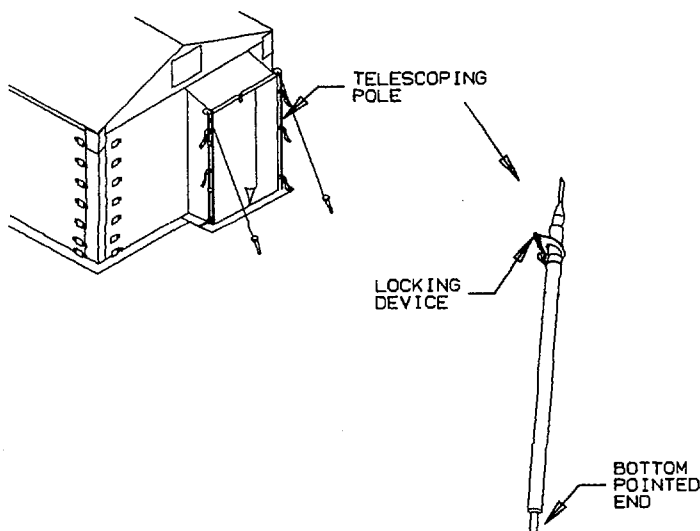
- (2) The wall attaches to the inside of the roof cap using buckles and velcro. Line the wall up and fasten it to the roof cap with the buckles. It doesn't matter which order you fasten the buckles, as long as they are lined up. Take care to keep the velcro apart until buckles are fastened.

- (3) From inside the tent, starting in the center of the wall, line up the velcro strips on wall and roof cap and press them together. Work from the center toward each end in order to prevent wrinkles in the velcro joints.

2-11. FABRIC WALL INSTALLATIONS-CONT.

e. Vestibule Assembly. The entrance way/vestibule provides blackout protection and a weather seal. To erect the vestibule, complete the following:

- (1) Locate the two aluminum telescoping poles to extend and support the corners of the entrance vestibule.



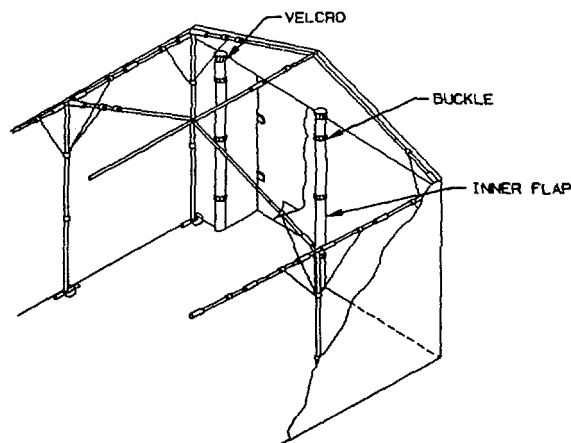
- (2) Place the bottom pointed end of each pole downward through the loops and grommets in the sides and upper corners of each vestibule.

- (3) Extend each pole, by pushing up on the locking device, so that the top is through the hole in the reinforced webbing sewn onto the top corner of the vestibule. Release the locking device to secure the pole. Extend the poles diagonally and anchor.

f. Entrance Vestibule Flaps. The inner and outer flaps may be opened wide during daylight hours to provide increased ventilation and/or easier entry and exit. They may be simply clipped back out of the way to form a diagonal across the door, or they may be rolled completely out of the way. To roll back complete the following:

- (1) Unfasten the buckles and velcro and roll vertically from the one side to the other. Buckles are provided to secure the doors into the rolled-up configuration.

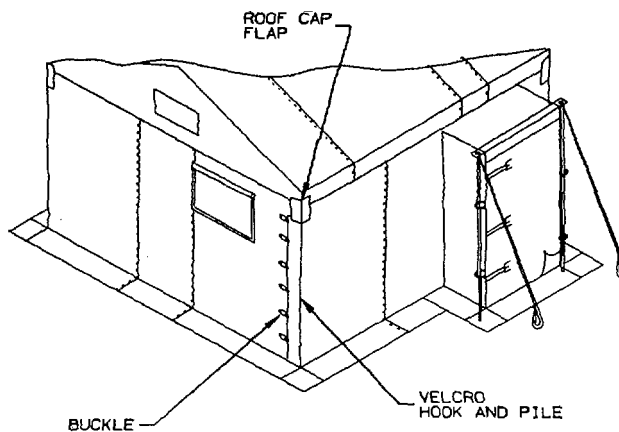
2-11. FABRIC WALL INSTALLATIONS-CONT.



(2) Doors should remain closed during hours of darkness to preserve blackout.

g. Connecting Wall Sections. Each wall section overlaps another to enhance the environmental protection function of the tent and to prevent light from filtering out of the tent. Overlap each wall section as follows:

- (1) Overlap the tent fabric at the corners of each wall by lining up the corresponding side strips of velcro hook and pile and pressing together.
- (2) Fasten the row of buckles on the inside corners of each wall. Draw the buckle straps tight.



(3) Fasten the buckles on the outside of the wall corners and draw the straps tight.

(4) Each corner of the roof cap has flaps which must overlap the corresponding wall. Pull the outside roof cap corner flaps down and press the velcro hook and pile. Make sure the velcro is pressed, so that any water will stay out and light will stay in the tent.

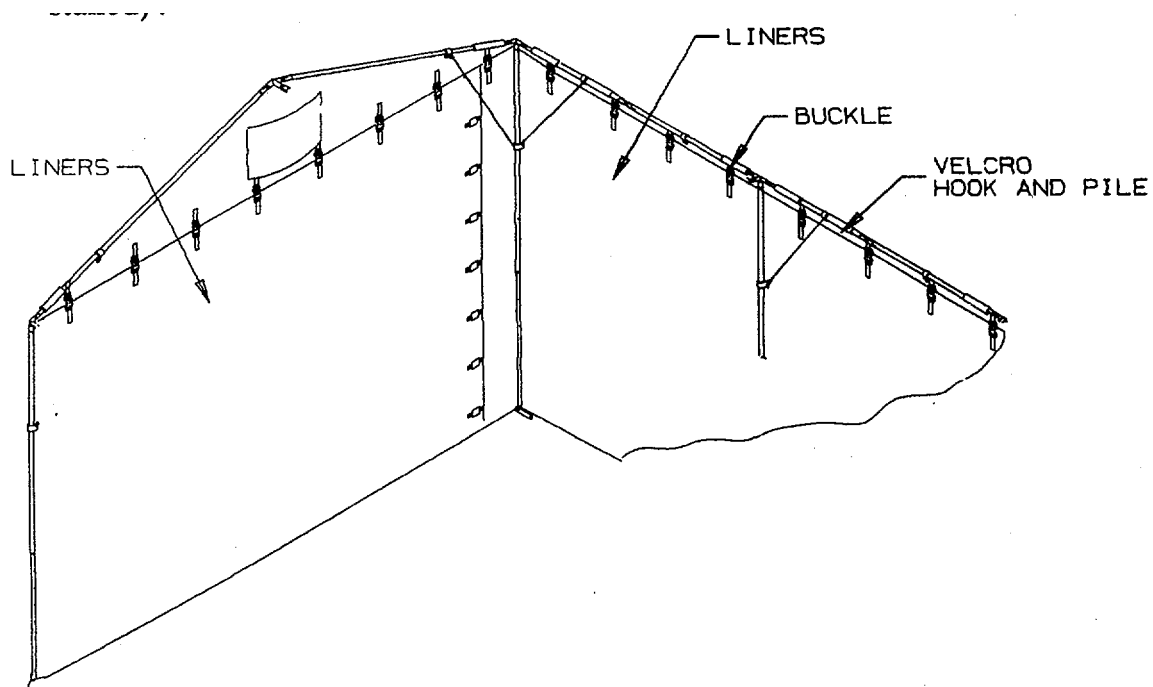
2-12. FLOOR. Install the floor, white side up, by simply spreading it out inside the tent. Fasten the edges of the floor to the walls using the buckles provided.

WARNING

When floor is buckled to the walls, the excess floor material will gather. Avoid tripping over these creases.

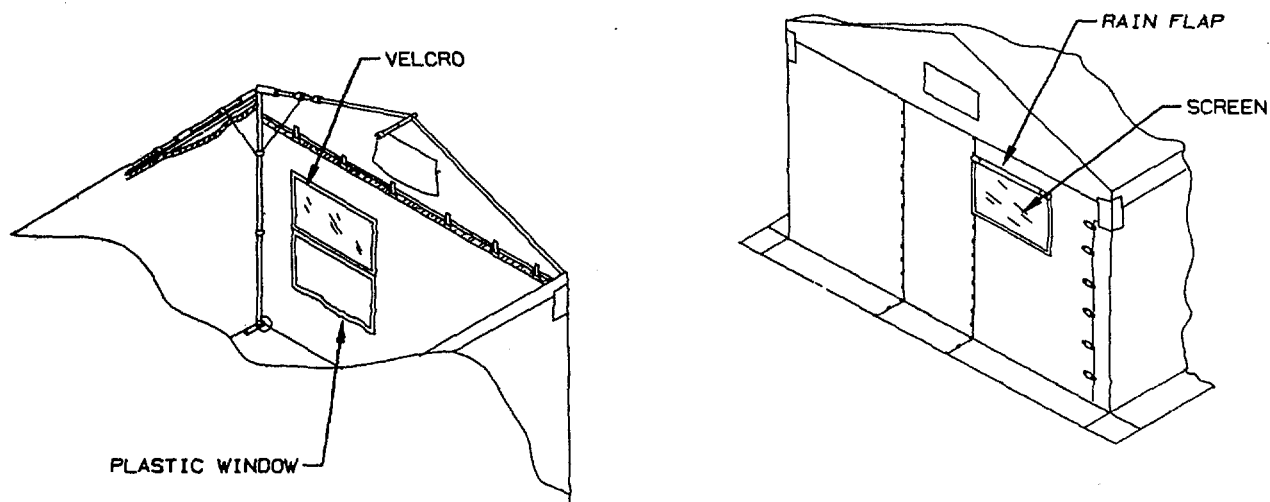
2-13. WALL LINER ASSEMBLY. Subsequent to the installation of the walls, liners may be desired. The liners are designed to serve as insulation, as an outside wall during daylight hours and/or in hot weather (they breathe), and as partial dividers or privacy walls between adjoining tents. To install the liners, follow these steps:

- a. On those walls to receive liners be sure the velcro is secure and unfasten the buckles. Let the bottom half of the buckles dangle free and out of the way.
- b. The liners have velcro that will attach over the top of the walls and buckles that will match and attach to the top half of the buckles just freed up in the previous step. Attach the liners between the legs of the frame and the walls (the frame legs will be visible from inside the tent after the liner is installed).



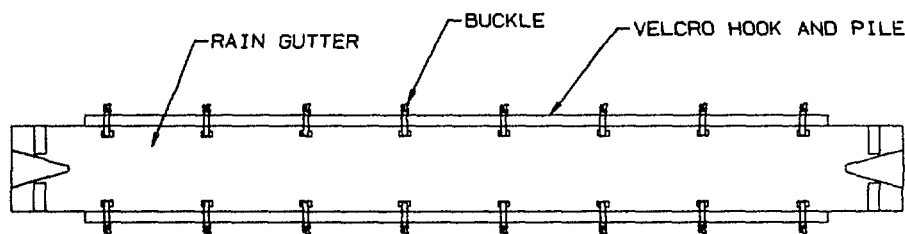
- c. Buckle the corners of the liners.
- d. The entrance way liner should be opened if entry/exit is desired. Unfasten the buckles and velcro hook and pile and roll vertically back from one side to the other. Buckles are provided to secure the liner open.

2-14. OPERATION OF WINDOWS. Windows of the tent are made in three layers: a rain flap on the outside, a screen in the middle, and a clear plastic window on the inside. The rain flap and the clear plastic window are closed by hook and pile velcro. The rain flap can be held open with tie tapes. The rain flap must be rolled up towards the inside of the tent to prevent rain from being trapped within the folds. To open the clear plastic window, simply unsecure velcro hook and pile and let it open.

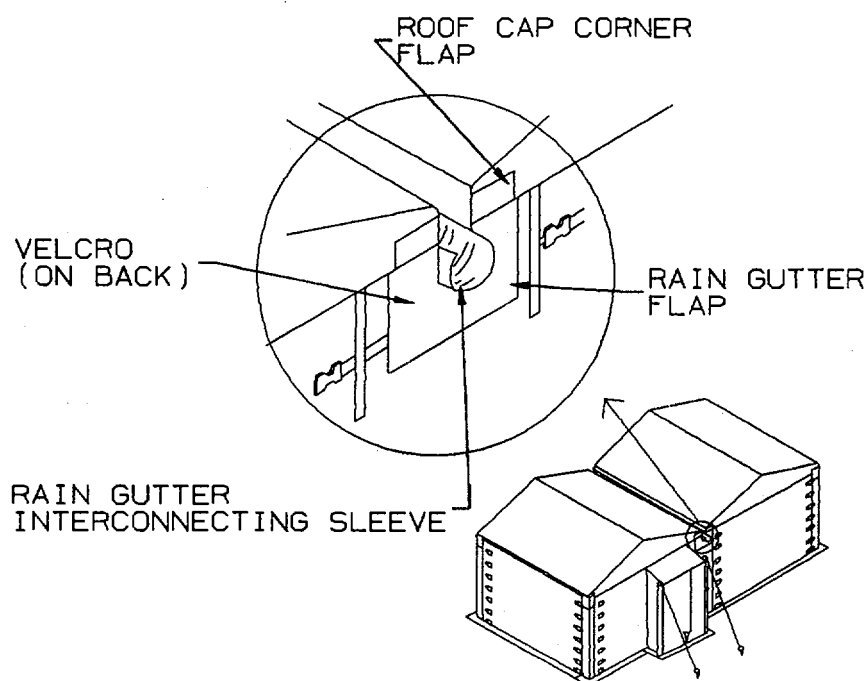


2-15. ANNEXING TENTS TOGETHER. If the tent is to adjoin another tent then the tents must be positioned next to one another with their corners lined up. They should be spaced three to six inches apart. It does not matter which sides face one another as long as they are approximately the same height and the corners are lined up. Tents may be joined side to side, end to end, or side to end. When adjoining tents you will connect the rain gutter/interconnecting sleeve as follows:

- a. If only one tent is erected, repeat paragraphs 2-5 through 2-14 to erect additional tents.
- b. Connect one side of the rain gutter to the inside of the roof cap of one of the adjoining tents. This is accomplished by pressing velcro hook and pile and connecting the buckles.
- c. Fold the dangling edge up and into the adjoining tent and connect the buckles and velcro of the adjoining tent's roof cap to the buckles and velcro of the gutter. You now have formed a channel, or rain gutter, between the two tents. There are flaps, with velcro strips, attached to each end of the rain gutter. These will go outside the tent as explained next.



2-15. ANNEXING TENTS TOGETHER-CONT.



- d.* Each end of the rain gutter must now be extended outside of the two tents so that a weather and light proof seal can be formed. There are notches cut out of the tent walls at each corner to accommodate this action. Extend the rain gutters and the flaps attached to them outside the tent between the tent corners.
- e.* Go outside, lift the flaps on the corner of the roof cap out of the way and flatten the rain gutter flaps against the walls of both tents so that the velcro strips are fastened. The rain gutter will extend ten to twelve inches out from the tent.
- f.* Pull the flaps on the corners of the roof cap down to seal the small opening where the rain gutter extends from inside the tent.

NOTE

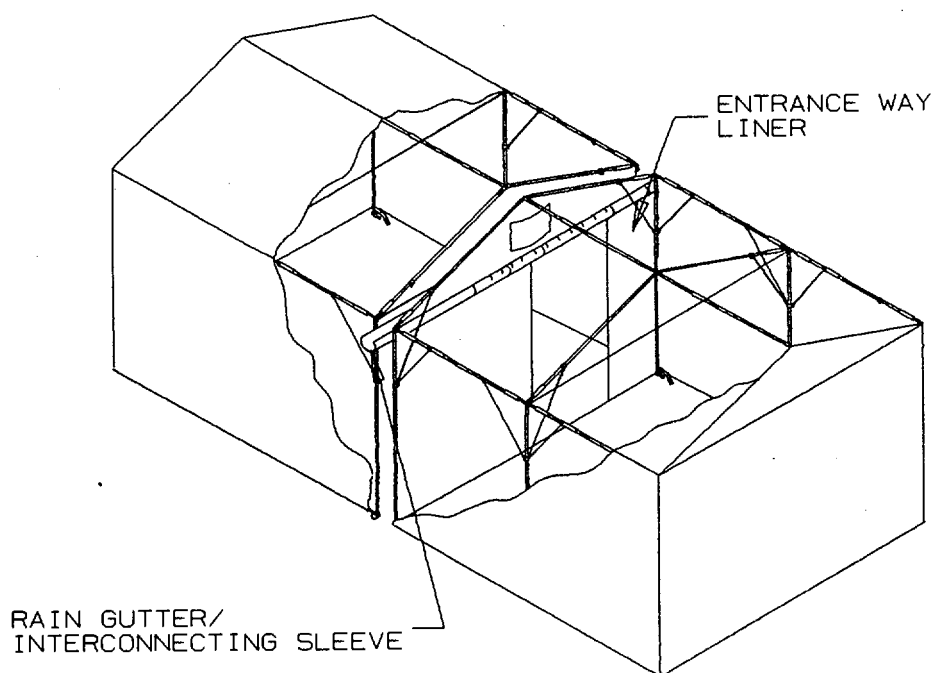
If you want all the rain to run out the opposite end of the rain gutter, then close off one end, using the velcro hook and pile that is provided. Simply lift the end of the rain gutter up, flatten it out, connect the velcro hook and pile to hold it in place.

2-16. PRIVACY CURTAIN ASSEMBLY. If a liner has been installed between two adjoined tents, privacy has been attained. However, it may be desired to form a half-wall privacy curtain between the two tents so that entry/exit between the tents may be attained. To form the half-wall privacy curtain, do as follows:

- a.* Decide which half to open up between tents and disconnect the buckles and velcro on the appropriate side of the interconnecting sleeve. This will be

2-16. PRIVACY CURTAIN ASSEMBLY-CONT.

determined by proper alignment of the liner door with desired position of walkway between tents.



b. Open the liner door. Unfasten the velcro across the top and down the side of the liner door and roll the door from left to right so that a vertical roll is formed. Three sets of straps with buckles are provided to secure the vertical roll at its top, middle and bottom.

2-17. EQUIPMENT. The other major components for the Standardized Integrated Command Post System are a light set, two light weight map boards and two light weight tables. Once the tent is fully erected, the additional components of the Standardized Integrated Command Post System may be carried in through the entrance way/vestibule opening.

a. Tight Set. Install the light set as follows:

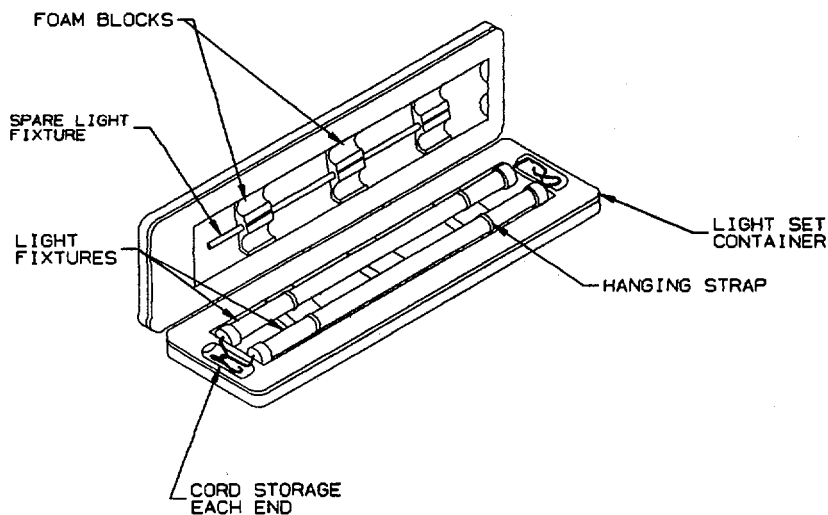
NOTE

To prevent damage leave lights in case until ready to install.

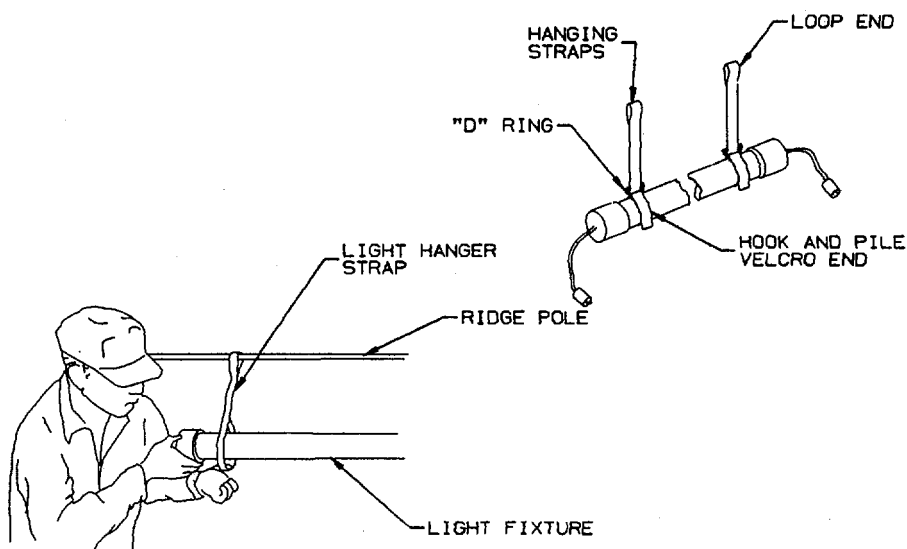
NOTE

Leave male plug end available for connection to power source.

2-17. EQUIPMENT-CONT.



- (1) Locate the light case.
- (2) Place the hook and pile velcro end of the strap over the ridge pole of the frame and draw through the loop end of the strap. Draw tight around the ridge pole.
- (3) Wrap the hook and pile velcro end of the strap around the light fixture and draw the strap through the "D" ring. Press hook and pile velcro to secure.
- (4) Repeat above steps two and three with another strap. (Each light fixture will require a minimum of two straps).

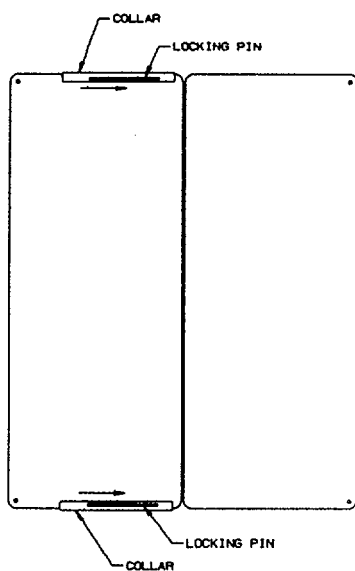


- (5) Mate plug properly to next light. (Remember a maximum of ten light fixtures may be joined).

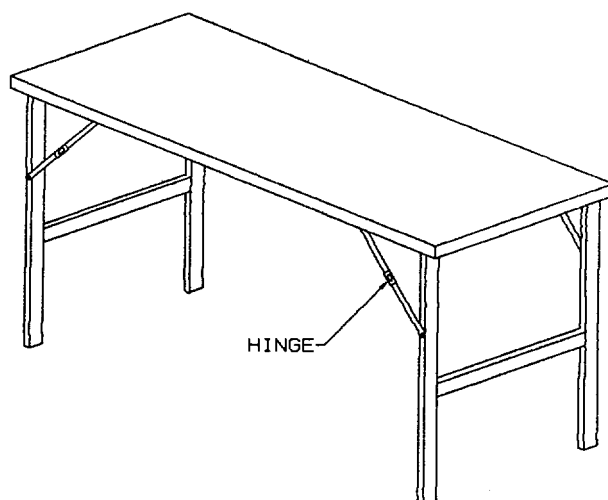
2-17. EQUIPMENT-CONT.

b. Map Board. Install the map board as follows:

- (1) Open the map board to its full width. Slide the collar as far as possible. The locking pin will halt the sliding action and lock the map board in place. There are two collars.
- (2) Suspend the map board from the eave of the tent frame.



c. Table. The legs on the table fold for ease of storage, to release the legs, unfold them to an upright position. The legs will automatically lock into place at their upright position.



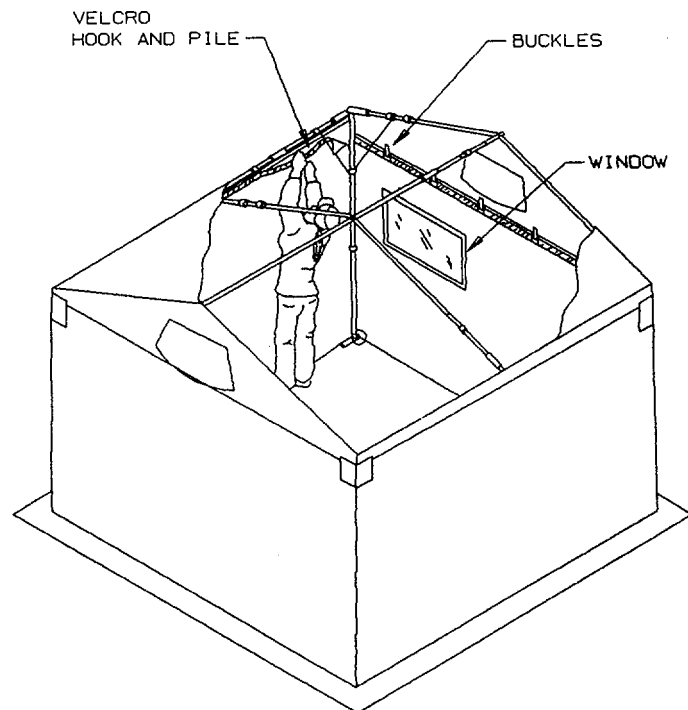
2-18. STRIKING PROCEDURES. Disassembly of the Standardized Integrated Command Post System is essentially the reverse of set-up. Before beginning, locate the three tent transport bags and the light set container.

2-18. STRIKING PROCEDURES-CONT.**a. Equipment.**

- (1) *Table.* Unlock the hinge by pressing the center in towards the table top. Fold the legs of the table in towards the center. Carry table outside of tent.
- (2) *Light Set.* Disconnect the light set from its power source. Locate the container for the light set. Remove the light set by using the straps and store in the light set container for transport.
- (3) *Map Board.* Slide the collar back and fold the mapboard. Carry out of tent.

b. Wall Sections.

- (1) Close all windows and doors on all fabric sections.
- (2) Remove any stakes, and store in the tent pin bag.



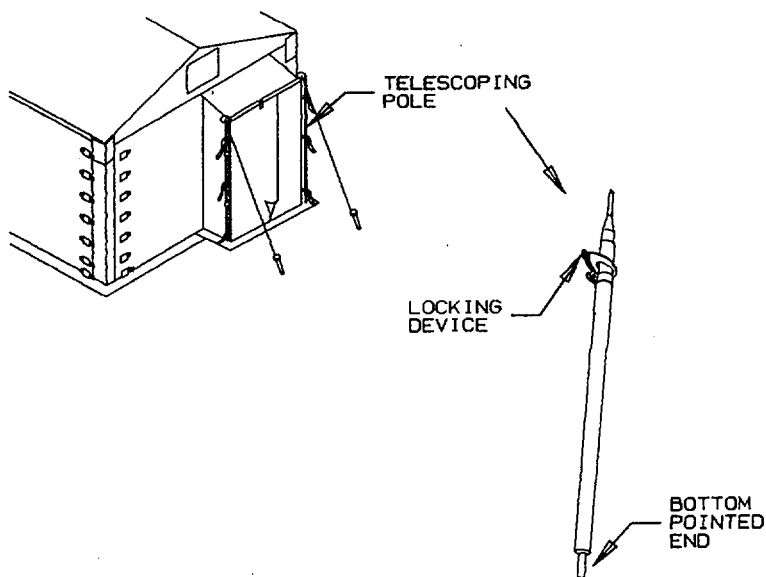
- (3) Remove the floor by unbuckling from the walls. Brush off excess dirt and debris.
- (4) Remove all liners, by releasing any buckles and/or velcro.

2-18. STRIKING PROCEDURES-CONT.

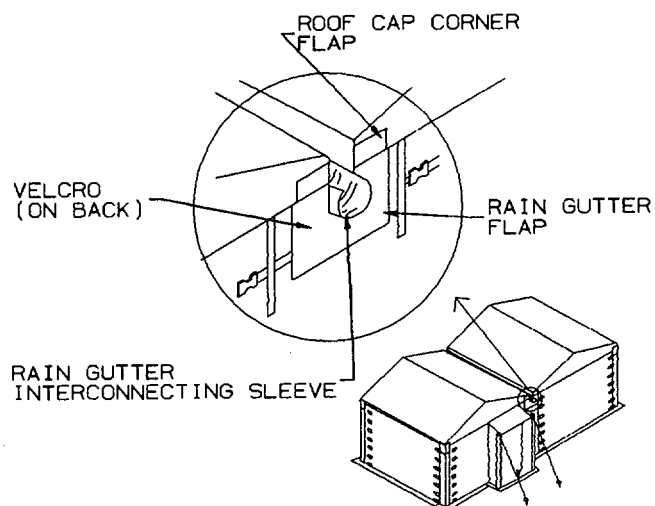
NOTE

If desired, the liners may remain attached to the walls. This is suggested if the liners are to be utilized during the next assembly.

- (5) Remove the telescoping vestibule support poles, by pushing up on the locking device, and place them in the frame transport bag.



- (6) Remove the interconnecting sleeve/rain gutter by unfastening all buckles and velcro.



- (7) Remove all walls by releasing all buckles and velcro.

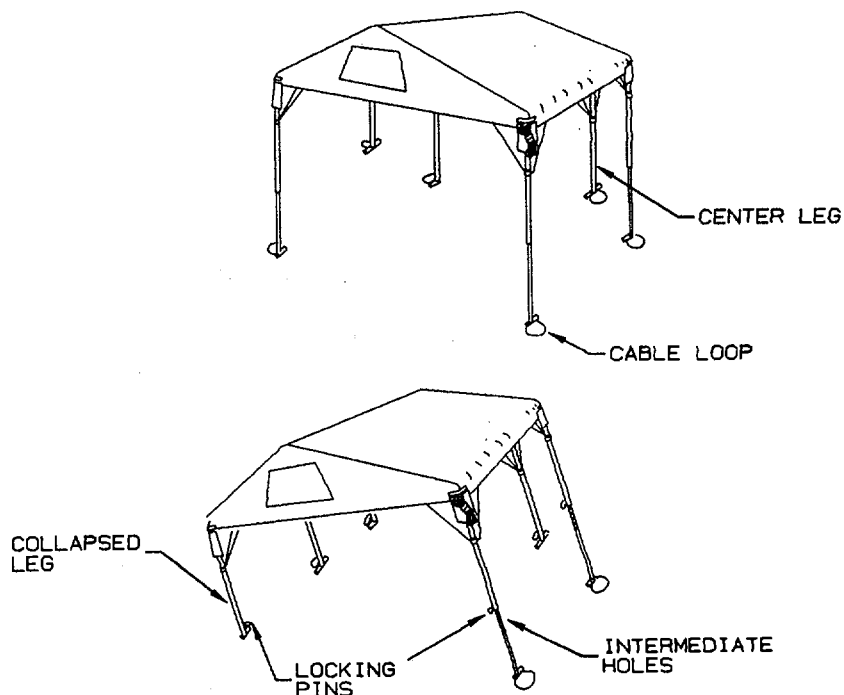
2-18. STRIKING PROCEDURES-CONT.

NOTE

To ease disassembly, the walls may be removed after the tent frame is lowered.

c. Lowering the Frame.

(1) Release the locking pins and collapse the telescoping center legs on each side of the tent. Lock them into the fully collapsed positions.



(2) Lower the corner legs one side at a time. Pull out the locking pins and lower legs to their fully collapsed position. Be sure that the feet of the legs are pointing toward the center leg (lengthwise of the tent).

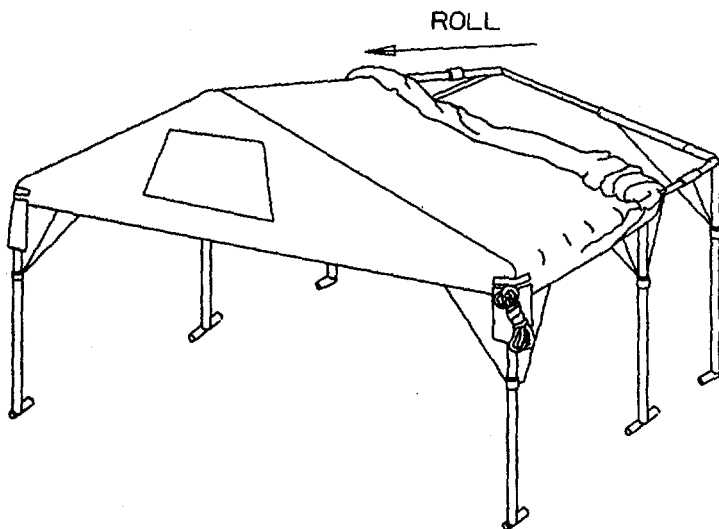
d. Roof Cap Section.

(1) Release the buckles, located on the underside of the roof cap. There are a total of eight, four on each side.

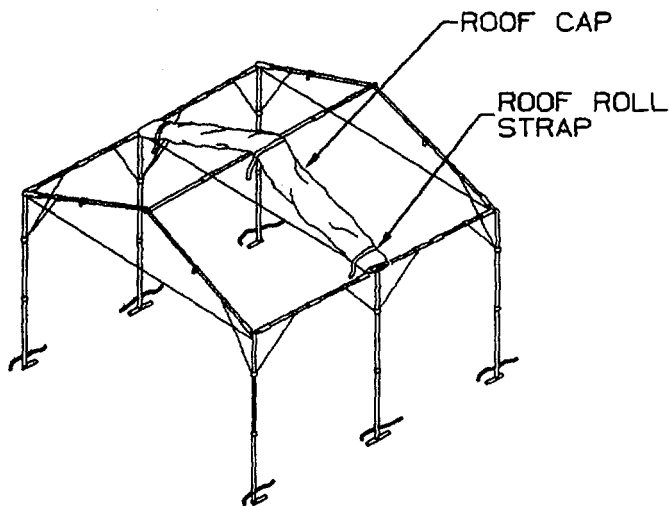
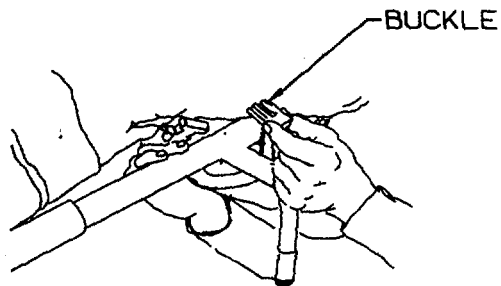
(2) Two soldiers, one on each corner, lift the roof cap over the frame corners and over the peak of the ridge pole and roll it as tightly as possible towards the center of the tent frame.

(3) Repeat above steps one and two for the opposite end of the roof cap.

2-18. STRIKING PROCEDURES-CONT.



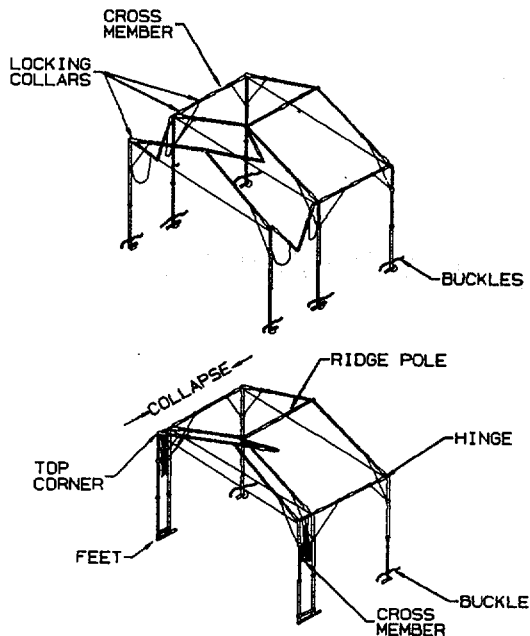
(4) Release the center and side buckles that are connected around the top of the tent frame, wrap them around the rolled up roof cap, secure the buckles and pull the straps as tight as possible.



2-18. STRIKING PROCEDURES-CONT.

e. Collapsing the Frame Lengthwise.

(1) On one side only, slide the locking collars off the hinges of the cross members and ridge pole (three on each cross member and one on the ridge pole).



(2) Collapse the three unlocked horizontal frame members by hinging the cross members downward and the ridge pole member sideways. They only go in one direction.

CAUTION

When handling tent frame do not twist or turn. Damage to frame may result.

WARNING

Whenever working near frame hinges, be careful to avoid pinching your hands or fingers. Do not hold the hinges themselves.

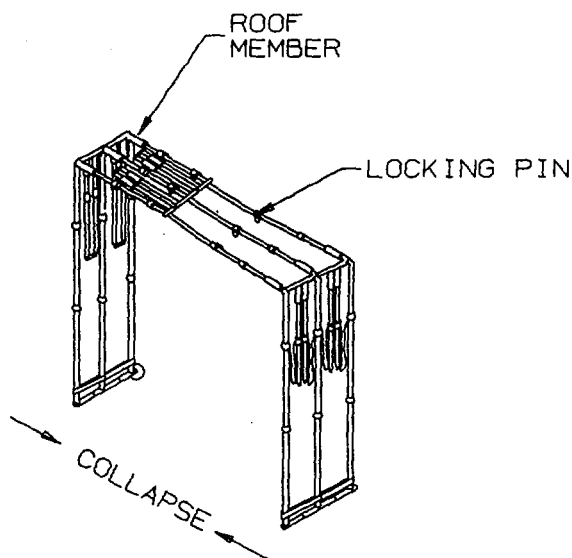
(3) Fasten the appropriate buckles around the collapsed end of the top corners of the frame and pull them tight.

(4) Insert the bottom corner feet over the center feet, connect the buckles and pull them tight.

(5) Repeat above steps one through four for the other end of the frame.

2-18. STRIKING PROCEDURES-CONT.*f. Collapsing Width of the Frame.*

- (1) Pull out the locking pins on the roof members on the left side of the frame and collapse the three telescoping roof members until they automatically lock into position.
- (2) Repeat the above step for the right side of the frame.

**NOTE**

You should now have an upside down "U".

g. Folding the Frame.

- (1) Lay the upside down "U" over on its back.
- (2) Unlock the roof members by sliding the locking collars off the hinges.
- (3) Fold the legs down.

h. Transport and Packing. Before packing, inspect for rips and tears. Brush off excess dirt and debris and ensure fabric is dry.

- (1) Fabric Components should be packed in the two fabric transport bags. It does not matter which bag components are placed. However, to maximize efficiency it is desirable to place the components which are utilized the most on top. Thus, the items used the least will be packed into the bag first, leaving the utilized components easily available.

2-18. STRIKING PROCEDURES-CONT.

- (2) All fabric components should be either folded or rolled to a length of approximately six feet before they are to be packed.
- (3) The frame should be placed in the frame transport bag by simply lifting it in and closing the bag.
- (4) Fasten the container in which the light fixtures were previously placed.

SECTION IV. OPERATION UNDER UNUSUAL CONDITIONS

2-19. OPERATION UNDER UNUSUAL CONDITIONS . While it is not possible to anticipate all unusual conditions the system will be exposed to, the following information should be utilized when adverse weather is encountered.

a. Operation in High Wind

- (1) Each corner of the tent is provided with tie-downs, top and bottom. The tent should be secured by utilizing the tie-downs. The bottom tie-downs are wire rope cable loops. Pull the legs outwards at the bottom so that all upper cables are tight, and stake the leg loops to the ground. The upper tie-downs are conventional guy ropes that should be staked or otherwise anchored to the ground.
- (2) Close and secure all windows and doors.
- (3) Frequently check all anchors and guy lines.

b. Wet Climate.

- (1) If heavy rain is anticipated or tent will be set up for a long period of time, dig a trench around the outside.
- (2) Keep tent lines loose enough to prevent tent stakes from being pulled out of the, ground when lines shrink from dampness.
- (3) Dry all tent components before repacking.
- (4) Make sure no leaks occur on or around the light set; disconnect power if leaks occur.

2-19. OPERATION UNDER UNUSUAL CONDITIONS-CONT.

(5) Make sure, no leaks occur on the map boards or tables; protect them if leaks occur.

(6) Make certain the outside roof cap corner flaps are securely fastened.

(7) If the tent is adjoining another tent, make certain the rain gutter flaps are securely fastened against the walls of both tents. The roof cap corner flaps should be securely positioned over the small opening where the rain gutter extends from inside the tents.

c. Operation in Snow.

(1) Gently push up on the roof cap from inside of tent, to remove any accumulated snow.

(2) Keep alert to moisture conditions and adjust all guy lines at tent stakes as required before weight or shrinkage damages the tent.

(3) If erecting in snow conditions, gently press the snow down to provide a firm surface to erect.

(4) Press the snow down adjacent to the tent to provide a firm surface.

d. Extreme Heat. The plain and window walls and/or window flap fabric may be rolled up to provide maximum ventilation. Proceed with the following steps to roll up window flaps or plain and window walls.

(1) Open the inner and outer window flaps. The extreme outside flap is of fabric and the inner flap is a plastic window. Be sure and roll the outer flap under, so as to prevent any possible moisture accumulation. There are two ties provided by which the outer window flap can be secured.

(2) Roll up the plain and/or window walls. Again, it is best to roll these walls under, so as to prevent any possible moisture accumulation. There are four buckles provided on the inside and outside of the walls to secure.

(3) Open-the entrance way/vestibule door and tie back.

CHAPTER 3

OPERATOR MAINTENANCE INSTRUCTIONS

SECTION I. LUBRICATION INSTRUCTIONS

3-1. LUBRICATION REQUIREMENTS. The Standardized Integrated Command Post System, Tent Command Post, has no requirements for lubrication.

SECTION II. OPERATOR TROUBLESHOOTING PROCEDURES

3-2. OPERATOR TROUBLESHOOTING PROCEDURES. Refer to table 3-1. Electrical failures beyond operator capability should be referred to a higher maintenance level.

Table 3-1. Operator Troubleshooting Procedures

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
ELECTRICAL SYSTEM TROUBLESHOOTING		

1. NO POWER TO LIGHTS.

- Step 1. Check to make sure plug is fastened securely in socket.
Secure plug into socket.
- Step 2. Check for secure connectors in plugs.
Tighten loose connectors in plugs.
- Step 3. Check for bad fluorescent light.
Replace bad light.
- Step 4. Check for bad fuse (glass enclosed wire will be broken/burnt).
Replace fuse.

Section III. OPERATOR'S MAINTENANCE PROCEDURES

3-3. INSPECTION. Perform inspection as described in Chapter 2, Section II, PMCS. Report defects on DA Form 2404.

3-4. CLEANING. Clean all tent parts with mild soapy water and air dry.

3-5. REPAIR. Repair is limited to replacement of damaged component parts. Repair beyond operator capability should be referred to higher level maintenance.

APPENDIX A**REFERENCES****A-1. TECHNICAL MANUALS****NOTE**

Check what type heater stove pipe installation your SICPS tent is equipped for. Early SICPS tent models have stove pipe openings in the roof for Model 1941 liquid fuel space heaters. Later models may have stove pipe openings in the wall for Model T-15K multifuel space heaters.

TM	10-4500-200-13	Heaters, Space: Radiant Type, Portable (Type II, Model 1941, Liquid Fuel)
TM	54520-250-14	Heater, Space Multi-Fuel with Blower, Model T-15K, 15,000 BTUH, Type IV, 28V DC.
TM	5-4520-250-24P	Heater, Space Multi-Fuel with Blower, Model T-15K, 15,000 BTUH, Type IV, 28V DC.
TM	5-1080-200-13&P	Camouflage Screen and Screen Support Systems.

A-2. FIELD MANUALS

TM	10-16	General Fabric Repair.
----	-------	------------------------

A-3. DA PAMPHLETS

DA PAM 738-750	The Army Maintenance Management System (TAMMS).
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APPENDIX B
COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS

SECTION I. INTRODUCTION

B-1. SCOPE. This appendix lists components of end item and basic issue items for the Standardized Integrated Command Post System, Tent Command Post, to help you inventory items required for safe and efficient operation.

B-2. GENERAL. The Components of End Item and Basic Issue Items Lists are divided into the following sections:

a. Section II. Components of End Item. This listing is for informational purposes only, and is not authority to requisition replacements. These items are part of the end item, but are removed and separately packaged for transportation or shipment. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Illustrations are furnished to assist you in identifying the items.

b. Section III. Basic Issue Items. These are the minimum essential items required to place the Standardized Integrated Command Post System, Tent Command Post, in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged, Basic Issue Items must be with the Tent Command Post during operation and whenever it is transferred between property accounts. The illustrations will assist you with hard-to-identify items. This manual is your authority to request/requisition replacement Basic Issue Items, based on TOE/MTOE authorization of the end item.

B-3. EXPLANATION OF COLUMNS . The following provides an explanation of columns found in the tabular listings:

a. Column (1) - Illustration Number (Illus Number). This column indicates the number of the illustration in which the item is shown.

b. Column (2) - National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

c. Column (3) - Description. Indicates the Federal item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM (in parentheses) followed by the part number.

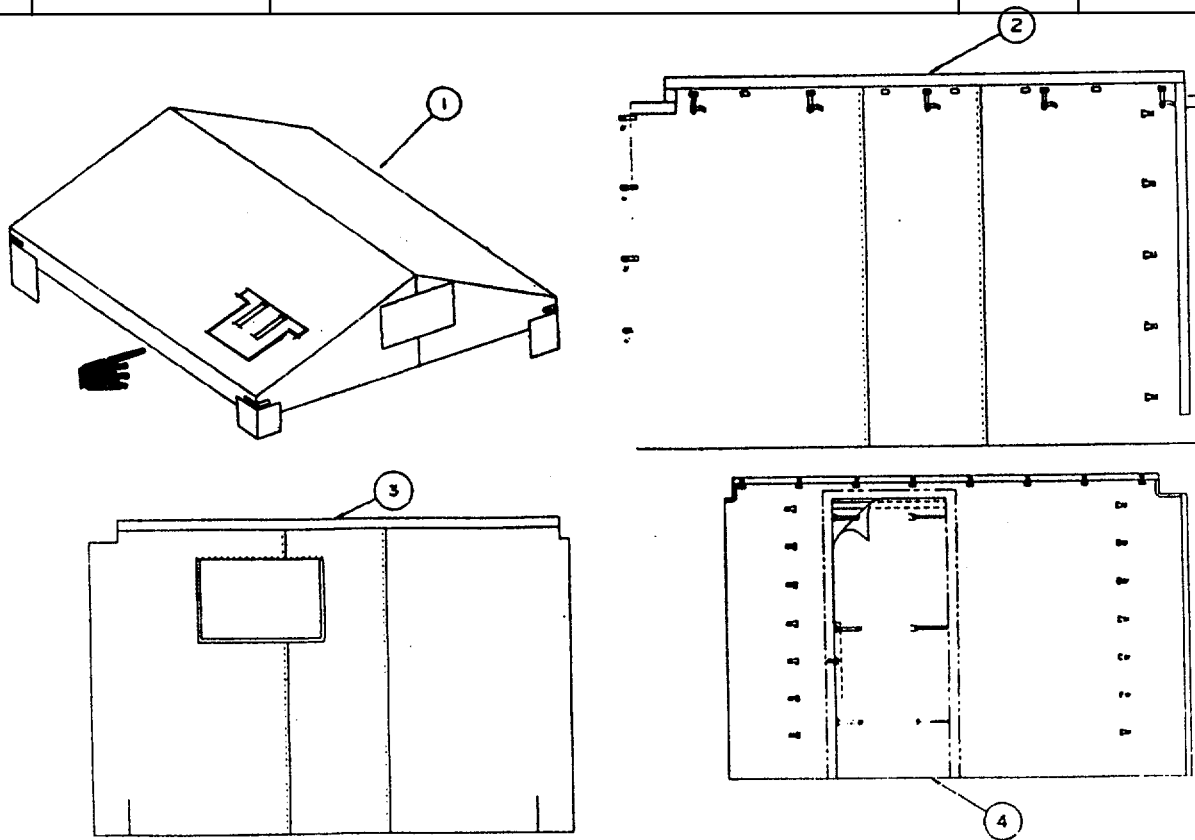
d. Column (4) - Unit of Measure (UIM). Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr).

B-3. EXPLANATION OF COLUMNS-CONT.

e. Column (5) - Quantity required (Qty rqr). Indicates the quantity of the item authorized to be used with/on the equipment.

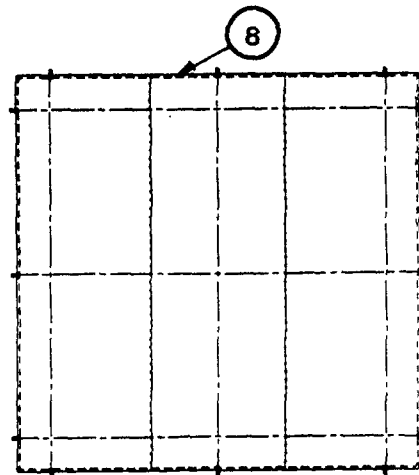
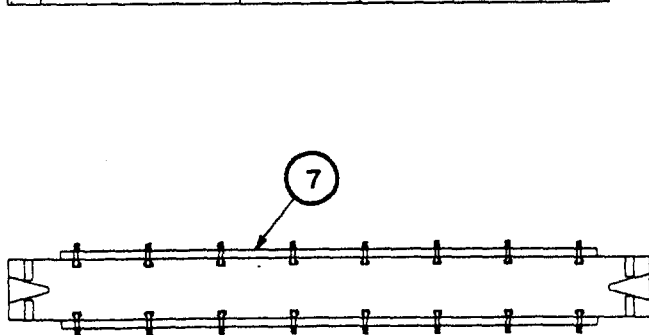
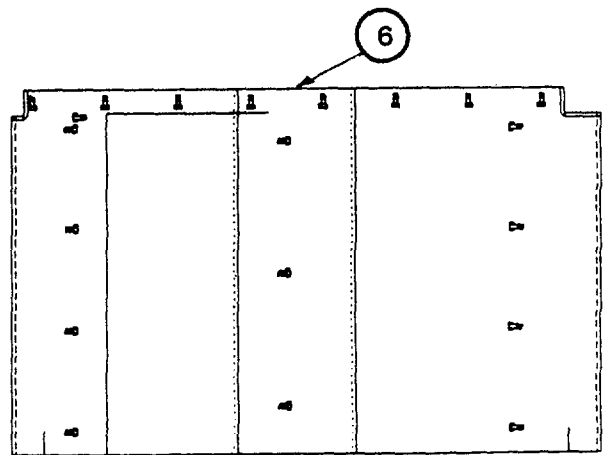
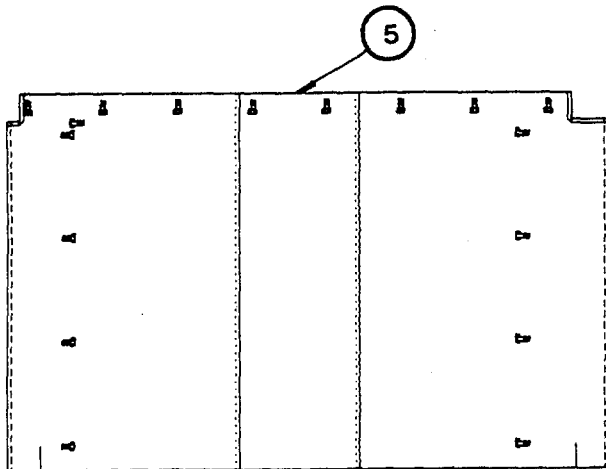
SECTION II. COMPONENTS OF ITEM LIST

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) USABLE ON CODE	(5) QTY REQ'D
1		Roof Cap: (81337) 5-4-6341	EA	1
2		Plain Wall: (81337) 5-4-6344	EA	2
3		Window Wall: (81337) 5-4-6345	EA	1
4		Entrance Way Wall: (81337) 5-4-6347	EA	1



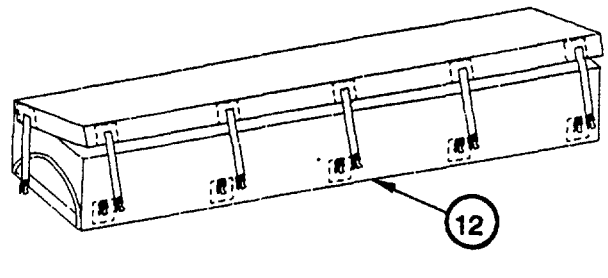
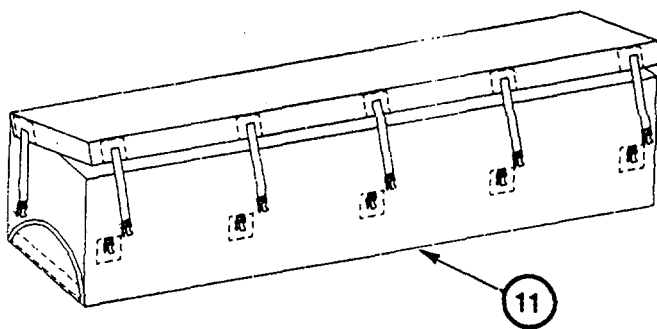
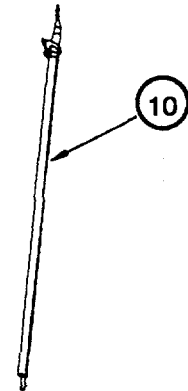
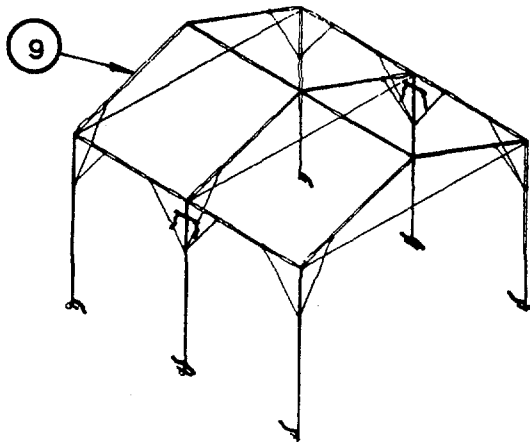
SECTION II. COMPONENTS OF END ITEM - CONT.

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) USABLE ON CODE	(5) QTY REQ'D
5		Plain Wall Liner: (81337) 5-4-6353	EA	1
6		Entrance Way Window Wall Liner: (81337)5-4-6354	EA	3
7		Rain Gutter: (81337) 5-4-6356	EA	1
8		Floor: (81337) 5-4-6355	EA	1



SECTION II. COMPONENTS OF END ITEM - CONT.

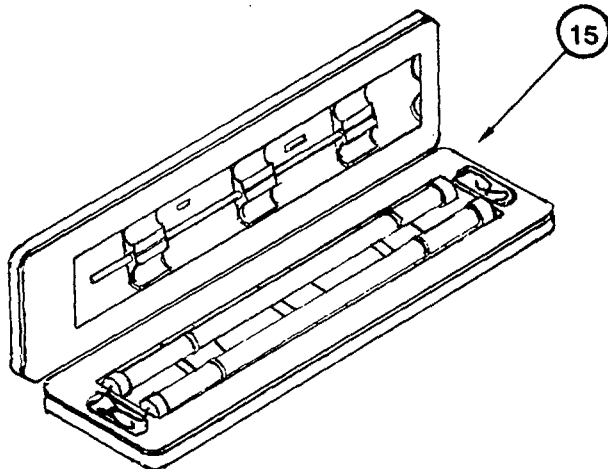
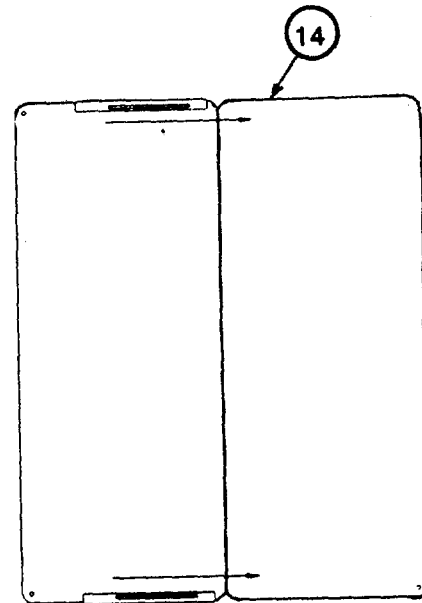
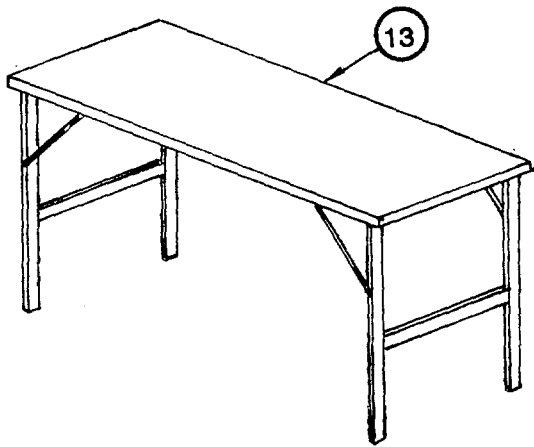
(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) USABLE ON CODE	(5) QTY REQ'D
9		Frame: (81337) 5-4-6947	EA	1
10		Telescopic Pole: (81337) 5-4-6980	EA	2
11		Fabric Transport Bag: (81337) 5-4-7476	EA	2
12		Frame Transport Bag: (81337)5-4-7474	EA	1



Change 2
B-4

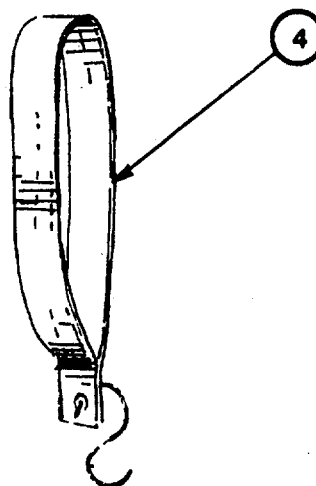
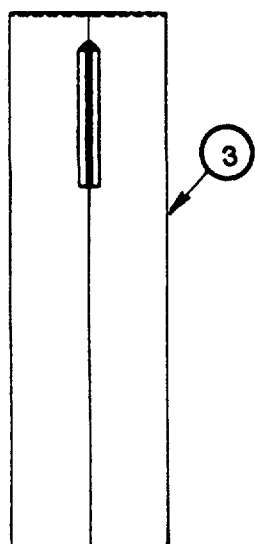
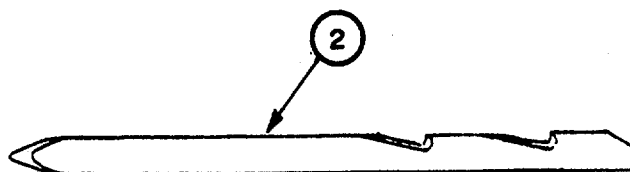
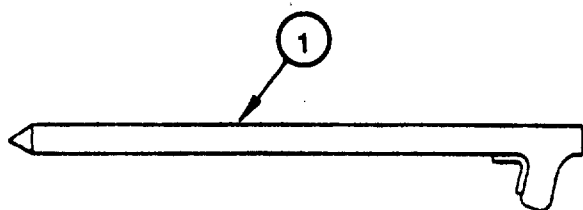
SECTION II. COMPONENTS OF END ITEM -CONT.

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) USABLE ON CODE	(5) QTY REQ'D
13		Table: (81337) 5-13-4661	EA	2
14		Map board: (81337)5-4-7457	EA	4
15		Light set: (81337) MIL-L-44259, Type II	EA	1



SECTION III. BASIC ISSUE ITEMS

(1) ILLUS NO.	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION FSCM AND PART NUMBER	(4) USABLE ON CODE U/M	(5) QTY REQ'D
1	8340-00-823-7451	Tent Pin Steel: (81337) MIL-M-P-501	EA	8
2	8340-00-261-9751	Tent Pin Wood: (81337) MIL-M-P-2383	EA	8
3	8340-01-186-3030	Tent Pin Bag: (81337) 5-4-3374	EA	1
4		Support Straps: (81337) 5-4-5531	EA	10



**APPENDIX C
ADDITIONAL AUTHORIZATION LIST**

C-1. SCOPE. This appendix lists additional items you are authorized for the support of the Tent, Command Post.

C-2. GENERAL. This list identifies items that do not have to accompany the Tent, Command Post and that do not have to be turned in with it. These items are all authorized to you by CTA, MTOE, TDA, or JTA.

C-3. EXPLANATION OF LISTING . National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support this equipment. The items are listed in alphabetical sequence by item name under the type document.

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION FSCM & PART NUMBER	(3) U/M	(4) QTY AUTH
NOTE Check what type heater stove pipe installation your SICPS tent is equipped for. Early SICPS tent models have stove pipe openings in the roof for Model 1941 liquid fuel space heaters. Later models may have stove pipe openings in the wall for Model T-1 5K multifuel space heaters.			
4520-00-9274214	Heater, Model 1941 Type II, liquid fuel	EA	1
4520-01-148-1537	Heater, Model T-15K (81337) 15,000 BTUH, Type IV 28V DC	EA	1
5120-00-926-7116	Mallet, Wood	EA	1
8340-00-262-5767	Tentage Repair Kit	EA	1
5820-01-263-1760	Grounding Kit, Surface Wire, MK-2551A/U	EA	1

APPENDIX D
EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

SECTION I. INTRODUCTION

D-1. SCOPE. This appendix list expendable supplies and materials you will need to operate and maintain the Standardized Integrated Command Post System, Tent Command Post. This listing is for informational purposes only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items), or CTA 8-100, Army Medical Department Expendable/Durable Items.

D-2. EXPLANATION OF COLUMNS.

a. Column (1) - Item number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., "Use cleaning compound, item 5, App. D").

b. Column (2) - Level. This column identifies the lowest level of maintenance that requires the listed item.

C - Operator/Crew
O - Unit Maintenance

F -Intermediate Direct Support Maintenance
H -Intermediate General Support Maintenance

c. Column (3) - National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

d. Column (4) - Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply code for manufacturer (FSCM) in parentheses followed by the part number.

e. Column (5) - Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

**APPENDIX D
EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST**

(1)	(2)	(3)	(4)	(5)
ITEM NUMBER	LEVEL	NATIONAL STOCK NUMBER	DESCRIPTION	U/M

None

GLOSSARY

SECTION I. ABBREVIATIONS

M2 square meters
Sq Ft..... square feet
VAC volts alternating current

SECTION II. DEFINITION OF UNUSUAL TERMS.

Hertz - a unit of frequency equal to one cycle per second.

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None

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff


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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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