

INCH-POUND

MIL-T-44271A
24 February 1992
SUPERSEDING
MIL-T-44271
27 March 1987

MILITARY SPECIFICATION

TENTS, EXTENDABLE, MODULAR, PERSONNEL (TEMPER),

ASSEMBLY COMPONENTS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers the sections and components needed for the assembly of different TEMPER systems. This document also covers the packaging of the bump through double door components.

1.2 Classification. The tents shall be of the following types and classes as specified (see 6.2).

Type I	-	64 x 20 Surgical Work Area
Type II	-	64 x 20 Medical
Type III	-	48 x 20 Utility
Type IV	-	32 x 20 Personnel
Type V	-	16 x 20 Medical
Type VI	-	16 x 20 Central Medical Supply
Type VII	-	16 x 20 Utility

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5017, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8340

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Type VIII	-	96 x 20 Medical Ward
Type IX	-	80 x 20 Medical Surgical
Type X	-	64 x 20 Medical Support
Type XI	-	32 x 20 Medical Support
Type XII	-	16 x 20 CS Support (Central Supply)
Type XIII	-	96 x 20 Medical Ward (Tropical)
Type XIV	-	32 x 20 Medical Support (Tropical)
Type XV	-	48 x 20 Kitchen
Type XVI	-	32 x 20 Sanitation Center
Class 1	-	Camouflage Green
Class 2	-	Tan

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

FEDERAL

A-A-883	-	Tape, Pressure Sensitive Adhesive, Masking
PPP-B-601	-	Box, Wood, Cleated-Plywood
PPP-B-621	-	Boxes, Wood, Nailed and Lock-Corner
PPP-B-636	-	Boxes, Shipping, Fiberboard

MILITARY

MIL-P-116	-	Preservation, Methods of
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STANDARDS

MILITARY

MIL-STD-105	-	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	-	Marking for Shipment and Storage
MIL-STD-147	-	Palletized Unit Loads
MIL-STD-1186	-	Cushioning, Anchoring, Bracing, Blocking and Waterproofing; with Appropriate Test Methods

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(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DRAWINGS

U.S. ARMY NATICK RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER

- 5-4-3358 - Erection Instructions
- 5-4-8489 - Tent, Extendable, Modular, Personnel (TEMPER)
Assembly Components

(Copies of drawings are available from the U.S. Army Natick Research, Development, and Engineering Center, ATTN: STIRNC-UX, Natick, MA 01760-5017.)

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issues of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- D 3951 - Standard Practice for Commercial Packaging

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3) in accordance with 4.3.

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3.2 Components. Components for the tent system shall conform to the applicable end items specification(s) specified on Drawing 5-4-8489.

3.3 Tent system. A complete tent system shall consist of the components listed on Drawing 5-4-8489, and shall be erected in accordance with Drawing 5-4-3358 (see 4.5.1), for the type and class of system specified (see 1.2 and 6.2).

3.4 Workmanship. All components of the temper tent shall comply with the workmanship requirements specified in the end item specification(s) and the occurrence of defects shall not exceed the applicable quality levels.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items shall meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

4.1.2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for ensuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point, or at all points in the manufacturing process necessary to ensure compliance with all dimensional requirements.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.3).
- b. Quality conformance inspection (see 4.4).

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4.3 First article inspection. When a first article is required (see 3.1 and 6.2), it shall be tested as specified in 4.5.1. Failure of this test shall be cause for rejection of the first article.

4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

4.4.2 Packaging examination. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2 and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 2.5.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application
Materials	Any component missing, damaged, or not as specified
Workmanship	Inadequate application of components, such as: incomplete closure of container Bulged or distorted container
Content	Not as specified

4.4.3 Palletization examination. The fully packaged and palletized end items shall be examined for the defects listed below. The lot size shall be expressed in units of palletized unit loads. The sample unit shall be one palletized unit load, fully packaged. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements
Palletization	Pallet pattern not as specified Interlocking of loads not as specified Load not bonded as specified
Weight	Exceeds maximum load limits

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Marking

Omitted; incorrect; illegible; of improper size, location, sequence, or method of application

4.5 Methods of inspection.

4.5.1 Erection of tent system test. The tent system shall be erected in accordance with Drawing 5-4-3358. Quantities of components for the tent system shall be as specified in Drawing 5-4-8489. The inability of the tent to be erected, or incomplete or missing components for the tent system shall be cause for rejection of the tent system.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or Commercial as specified (see 6.2).

5.1.1 Level A preservation.

5.1.1.1 Components. The individual tent components (see Drawing 5-4-8489), except the bump thru doors, shall be preserved in accordance with the level A preservation requirements of the individual component documents.

5.1.1.2 Bump thru doors. Door assemblies shall be preserved in accordance with method III of MIL-P-116. The black out flaps shall be installed on the windows. For type I assemblies only, the extenders shall be dropped to the lowest position, the door lock shall be engaged, and the handle laid flat against the door leaf. Both ramps shall be turned upward against the leafs and secured with tape in accordance with A-A-883. Both allen wrenches shall be secured to the door frame by means of tape in accordance with A-A-883. The folded vestibule door cap shall be laid flat across the door leafs.

5.1.2 Commercial preservation. The individual tent components (see Drawing 5-4-8489) shall be preserved in accordance with ASTM D 3951.

5.2 Packing. Packing shall be level A , B, or Commercial as specified (see 6.2).

5.2.1 Level A packing.

5.2.1.1 Components packing. The individual tent components, preserved as specified in 5.1, except the bump thru doors, shall be packed in accordance with the level A packing requirements of the individual component documents.

5.2.1.2 Bump thru doors. Each door assembly, preserved as specified in 5.1, shall be packed in a snug-fitting cleated plywood shipping container conforming to overseas type, style A or I, grade A or B, type 2 load of PPP-B-601, or a nailed wood shipping container conforming to class 2, style 1, grade A or B, load type 2 of PPP-B-621. When a 4-way fork entry is required (see 6.2), additional skids shall be in accordance with the

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applicable box specification. For type II door assemblies only, the door leafs shall be stacked together, reversing them top to bottom. The door handle shall be laid flat against the door leaf and cushioned to prevent damage. Cushioning, blocking, and bracing, in accordance with MIL-STD-1186, shall be applied as required to prevent movement of the door assembly within the shipping container. The inside dimensions of the shipping container shall approximate 83 inches in length, 68 inches in width and 3-1/2 inches in depth for the type I door assembly and 76-1/2 inches in length, 30 inches in width and 5 inches in depth for the type II door assembly. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed and strapped in accordance with the appendix of the box specification, as applicable.

5.2.2 Level B packing.

5.2.2.1 Components packing. The individual tent components preserved as specified in 5.1, except the bump thru doors, shall be packed in accordance with the level B packing requirements of the individual component documents.

5.2.2.2 Bump thru doors. Each door assembly, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style FTC, type CF (variety SW) or SF, class domestic, grade 350 of PPP-B-636, except that the dimensional limitations be waived for type II door assemblies only, the door leafs shall be stacked together reversing them top to bottom. The door handle shall be laid flat against the door leaf and cushioned to prevent damage. Cushioning, blocking, and bracing in accordance with MIL-STD-1186 shall be applied as required to prevent movement of the door assembly within the shipping container. The inside dimensions of the shipping container shall approximate 83 inches in length, 68 inches in width and 3-1/2 inches in depth for the type I door assembly, and 76-1/2 inches in length, 30 inches in width and 5 inches in depth for the type II door assembly. Approximate dimensions are furnished as a guide only. Each container shall be closed and reinforced in accordance with the appendix of PPP-B-636.

5.2.2.3 Weather-resistant fiberboard containers. When specified (see 6.2), the fiberboard shipping container shall be a grade V3c, V3s, or V4s box fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix.

5.2.3 Commercial packing. Components preserved as specified in 5.1, shall be packed in accordance with ASTM D 3951.

5.3 Palletization. When specified (see 6.2) components packed as specified in 5.2, shall be palletized in accordance with MIL-STD-147.

5.4 Markings. In addition to any special marking required by the contract or purchase order, unit packs, shipping containers, and palletized unit loads shall be marked in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

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6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The TEMPER is intended for use as a surgical work area, medical, utility, central medical supply, general purpose, or personnel tent. The tent is procurable in 8 foot sections and can be assembled in different configurations depending on the arrangement and number of door and window sections utilized.

6.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number and date of this specification.
- b. Type and class required (see 1.2).
- c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1 and 2.2).
- d. When a first article is required (see 3.1, 4.3 and 6.3).
- e. When 5-4-8486-1 or 5-4-8486-2 is required and quantity required.
When 5-4-3984-1 or 5-4-3984-2 is required and quantity required.
When 5-4-3985-1 or 5-4-3985-2 is required and quantity required.
When 5-4-3621-1 or 5-4-3621-2 is required and quantity required.
(see 3.3).
- f. Levels of preservation and packing (see 5.1 and 5.2).
- g. When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.2.2.3).
- h. When palletization is required (see 5.3).

6.3 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of Federal Acquisition Regulation (FAR) 52.209-4. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should also include specific instructions in acquisition documents regarding arrangements for selection, inspection, and approval of the first article.

6.4 Subject term (key word) listing.

Medical
Shelter
Surgical Work Area
Utility

6.5 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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Custodians:

Army - GL
Navy - NU

Review activities:

Navy - MC
DLA - CT

Preparing activity:

Army - GL
(Project 8340-0559)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

1. RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-T-44271A	2. DOCUMENT DATE (YYMMDD) 1992 February 24
	3. DOCUMENT TITLE TENTS, EXTENDABLE, MODULAR, PERSONNEL (TEMPER), ASSEMBLY COMPONENTS	
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)		

5. REASON FOR RECOMMENDATION

6. SUBMITTER		
a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	e. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY		
a. NAME U.S. Army Natick RD&E Center	b. TELEPHONE (Include Area Code) (1) Commercial 508-651-4531	(2) AUTOVON/DSN 256-4531
c. ADDRESS (Include Zip Code) Commander, U.S. Army Natick RD&E Center ATTN: STRNC-UXT Natick, MA 01760-5017	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	