

INCH-POUND

MIL-T-1712T
16 September 1991
SUPERSEDING
MIL-T-1712R
30 September 1988

MILITARY SPECIFICATION

TENT, GENERAL PURPOSE, MEDIUM

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

1. SCOPE

1.1 Scope. This specification covers two types of rectangular, hip-roofed pole-supported tents, equipped with a liner: tent pins: and poles, having the following dimensions; length 32 feet, 8 inches; width 16 feet; height (at ridge) 10 feet; height (of side wall) 5 feet, 6 inches; and height (of door) 6 feet. A cover is provided for protection during storage and transport.

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

- Type I - Polyester Duck, Camouflage Green 483, Fire, Water and Weather Resistant
- Type II - Polyester Duck, Desert Tan 459, Fire, Water and Weather Resistant

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

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.
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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-50057	- Rope, Fibrous, Tent Lay
L-S-125	- Screening, Insect, Nonmetallic
T-C-571	- Cords, Cotton; General and Special Purposes, Sash and Venetian Blind
T-T-871	- Twine, Cotton, Wrapping
T-T-911	- Twine, Fibrous, Jute
V-F-106	- Fastener, Slide, Interlocking
V-T-285	- Thread, Polyester
TT-P-595	- Preservative Coating, Canvas
CCC-C-429	- Cloth, Osnaburg, Cotton
CCC-C-467	- Cloth, Burlap, Jute (or Kenaf)
DDD-L-20	- Label: For Clothing, Equipage and Tentage, (General Use)
PPP-B-601	- Boxes, Wood, Cleated-Plywood
PPP-B-636	- Boxes, Shipping, Fiberboard

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MIL-P-500	- Plates, Tent, Peak and Ridge
MIL-W-530	- Webbing, Textile, Cotton, General Purpose, Natural or in Colors
MIL-P-549	- Poles, Tent, Upright and Ridge
MIL-H-1608	- Hooks, Tent
MIL-L-1709	- Lines, Tent
MIL-S-1734	- Slips, Tent Line
MIL-R-2327	- Rings, Connecting, Round
MIL-P-2383	- Pins, Tent, Wood
MIL-C-2399	- Cement, Liquid, Tent Patching
MIL-R-3390	- Rings, Dee
MIL-L-10547	- Liners, Case, and Sheet, Overwrap; Water-Vaporproof, or Waterproof, Flexible
MIL-T-12919	- Tent Liner, General Purpose, Medium
MIL-G-16491	- Grommet, Metallic, General Specification For
MIL-C-20696	- Cloth, Coated, Polyester or Nylon, Waterproof
MIL-L-35078	- Loads, Unit: Preparation of Semiperishable Subsistence Items; Clothing, Personal Equipment and Equipage
MIL-T-40625	- Tubing, Bias Sewn (Burlap or Osnaburg), Cloth
MIL-S-43002	- Shield, Stovepipe, Tent, Nonmetallic
MIL-C-43256	- Cord, Fibrous, Polyester, Solid Braid

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- MIL-T-43566 - Tape, Textile, Cotton or Polyester, General Purpose, Natural or in Colors
- MIL-C-43627 - Cloth, Duck, Cotton, Plied Yarns, Fire, Water, Weather and Mildew Resistant Treated, Lightdry Finish
- MIL-W-43638 - Webbing, Textile, Woven, for Tent Framing
- MIL-C-44103 - Cloth, Duck, Polyester, Fire, Water and Weather Resistant

STANDARDS

FEDERAL

- FED-STD-751 - Stitches, Seams and Stitchings

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage

(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.

DEPARTMENT OF THE ARMY FIELD MANUAL

FM 10-16 - General Repair of Tents, Canvas and Webbing

(Copies are available from the contracting activity or as directed by the contracting activity.)

DRAWINGS

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

- 5-4-416 - Tent, General Purpose, Medium; Erection Instructions
- 5-4-417 - Care and Maintenance Instructions
- 5-4-495 - Packaging Procedure (Tent Liner, G.P. Medium)
- 5-4-579 - Packaging Procedure
- 5-4-1191 - Assembly Complete

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5-4-1192	- Views and Sections
5-4-1193	- Views and Details
5-4-1194	- Roof, Middle; Assembly
5-4-1195	- Roof, Middle Details
5-4-1196	- Stovepipe Opening Details
5-4-1197	- Roof, End; Assembly
5-4-1198	- Roof, End; Views and Sections
5-4-1199	- Roof, End; Details
5-4-1200	- Ventilator Details
5-4-1201	- Side Wall
5-4-1202	- Left End Wall
5-4-1203	- Right End Wall
5-4-1204	- Screen Door, Top Door Lugs
5-4-1205	- Flap Lugs and Detail
5-4-1206	- Cover, Corner, Protective
5-4-3359	- Tent Cover
5-4-3379	- Sleeves

(Copies of drawings are available from the U.S. Army Natick Research, Development, and Engineering Center, ATTN: STRNC-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 issue 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).

THE COLOR ASSOCIATION OF THE UNITED STATES

Standard Color Card of America

Department of Defense Standard Color Card for Sewing Threads

Quartermaster Standard Shades of Slide Fastener Tapes

(Application for color cards should be addressed to the Color Association of the United States, 343 Lexington Avenue, New York, NY 10016-0927. If color cards are not available from the Color Association, individual color samples may be obtained from the contracting activity or as directed by the contracting activity.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 2016 - Moisture Content of Wood

D 3951 - Standard Practice for Commercial Packaging

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(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.

3.2 Standard sample. Samples of the end item, when furnished are solely for guidance and information to the contractor (see 6.4). Variation from this specification may appear in the sample, in which case this specification shall govern.

3.3 Materials and components. Materials and components shall be as specified herein and on the applicable drawings. Materials and components specified are for the two types of tents unless otherwise noted. It is encouraged that recycled material be used when practical as long as it meets the requirements of this specification.

3.3.1 Cloth, duck, polyester. The cloth for the body of the type I tent shall conform to class 1, grade A, and for the body of the type II tent shall conform to class 2, grade A of MIL-C-44103. The cloth for specific reinforcements and protective corner covers (for Marine Corps use only, see 3.4.10, 6.1, and 6.2) shall conform to the requirements of 3.3.3.

3.3.2 Cloth, coated. The cloth for the ground sheets of the type I tent shall conform to type II, class 2, color Olive Drab 7 of MIL-C-20696. The cloth for the ground sheets of the type II tent shall be the same, except that the color shall be Desert Tan 459.

3.3.3 Cloth, duck, cotton. The cloth for the following reinforcements shall conform to MIL-C-43627, color Olive Drab 7, except the requirements for water resistance and colorfastness shall not apply. Reinforcements "D through L", ridge and center reinforcements, ventilator reinforcement, stovepipe opening reinforcements (detail X), screen door lug and the top door lug "B".

3.3.4 Tape, cotton, type I tent. The tape for the type I tent shall conform to type I, class 1a and to type I, class 4 of MIL-T-43566. Class 1a shall be widths of 1 inch and 1-1/2 inches and class 4 shall be shade Olive Drab No. 7, 3/4 inch width.

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3.3.4.1 Tape, cotton, type II tent. The tape for the type II tent (see 3.3.3) shall be the same as the type I tent except the color for the type I, class 4 tape shall be Desert Tan 459.

3.3.5 Webbing, cotton. The webbing for the type I tent shall be 1-1/2 or 2 inch widths, color Olive Drab 7, conforming to type III, class 4 of MIL-W-530. The webbing for the type II tent shall be the same, except that the color shall be Desert Tan 459.

3.3.6 Webbing, textile low elongation. Low elongation webbing shall conform to types I and II of MIL-W-43638.

3.3.7 Thread, polyester. The thread for the type I tent shall conform to type I, class 1, subclass B, shade S-1 (Cable No. 66022) of V-T-285. The thread for the type II tent shall be the same except the color shall be Khaki P-1 (Cable No. 66019). The dyed thread shall show fastness to weathering equal to or better than the standard shade sample (see 6.3). When no standard shade sample is available, the dyed thread shall show good fastness to weathering.

3.3.7.1 Sizes. Thread sizes shall be as follows:

For all stitching on tent and cover except bartacking and stitching indicated by "Z" on drawings	- Size FF for needle and F for bobbin
For bartacking	- Size E for needle and bobbin
For stitching on tent and cover indicated by "Z" on drawings	- Size FF for needle size F for looper

3.3.8 Screening, nonmetallic. The screening shall be type III, class 1 or 2, size 18 by 18, color green or type II, class 2, size 18 by 18, color green conforming to L-S-125.

3.3.9 Shield, stovepipe. The stovepipe shield shall conform to MIL-S-43002.

3.3.10 Cord, cotton, braided. The cord shall conform to type I, class 3, size No. 4 of T-C-571 or polyester cord 1/8 inch diameter of MIL-C-43256. The color shall match shade Olive Drab 7 for the type I tent and Tan 459 for the type II tent, prior to mildew-resistant treatment. The color of the cord after treatment will be considered acceptable.

3.3.11 Lines, tent. The tent lines, except type I, shall conform to class A or G of MIL-L-1709. Type I shall conform to class A or D of MIL-L-1709.

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<u>Type line type</u>	<u>Used for</u>
Type I	- footstop
Type VI	- eave jumper line, corner line A
Type X	- ridge jumper line
Type XXI	- eave line
Type XXIII	- ventilator flap line, corner line B
Type XXXVIII	- ridge guy line

3.3.12 Rope, tent-lay. The tent-lay rope for stiffeners shall conform to manila or sisal size 1 inch in circumference, three strand, and furnished with a mildew resistant treatment conforming to A-A-50057.

3.3.13 Fasteners, slide, interlocking. The slide fasteners shall conform to type III, style I, size H, stirrup pulls of V-F-106. The slide fastener chain shall be fabricated out of brass or polyester coil. The color for the brass coil shall be natural finish brass or black oxidized and for the polyester coil shall be Olive Drab. The slider for the brass chain shall be brass color, natural finish, brass or black oxidized. The slider for polyester coil shall be zinc alloy color Olive Drab. Alternatively, the slide fastener chain shall be polyester continuous monofilament in a ladder or coil type configuration. Color for the alternate chain shall be Olive Drab or natural finish brass for the type I tent, and Tan 380 or natural finish brass for the type II tent. The sliders for the alternate chain shall be brass, color natural finish brass for the type I and type II tents.

3.3.13.1 Tape, slide fastener. The slide fastener tape shall be dyed to match Olive Drab shade 7 (Cable No. 66519) for the type I tent and dyed Tan 380 for the type II tent. The tape shall be water resistant and mildew resistant treated. Tapes made of 100 percent polyester do not require testing for mildew resistance. The color of the tape after treatment shall be considered acceptable. The tape shall show good fastness to weathering.

3.3.14 Grommet, metallic. The rolled rim grommet with spur washer shall conform to type III, class 3, size Nos. 4 and 6, of MIL-G-16491.

3.3.15 Hooks, tent. The tent hooks shall conform to type I, size 1-1/2-inches and type III and V of MIL-H-1608.

3.3.16 Plates, ridge. The ridge plates shall conform to type XIV of MIL-P-500.

3.3.17 Rings, connecting, round. The round connecting rings shall conform to class 2 or 5, size 4 of MIL-R-2327.

3.3.18 Rings, dee. The dee rings shall conform to either class 1 or 2, configuration symbol K, of MIL-R-3390.

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3.3.19 Ropes, wire, sash cord. The wire rope shall be commercial grade, bright, or galvanized finish, 6 by 7 wire sash cord. The rope shall have a minimum breaking strength of 300 pounds when tested as specified in 4.5.1.

3.3.20 Slips, tent line. The tent line slips shall conform to type II of MIL-S-1734.

3.3.21 Toggles, wood. The wood toggles shall be of the design and dimensions shown on Drawing 5-4-1202. The wood for the toggles shall be straight grained, sound, and smooth lumber, kiln dried to not more than 15 percent moisture content when tested as specified in 4.5.2. The toggles shall be free from knots, shakes, checks, splits, splintery surfaces, or case hardening. Any of the following woods may be used:

Hickory	Beech	Pecan	Maple, hard
Red or white oak	Birch	Rock elm	Ash

3.3.22 Pins, tent, wood. The tent pins shall be size 1, 16-inches and size 2, 24-inches, conforming to MIL-P-2383.

3.3.23 Poles, tent, upright and ridge. The tent poles shall be type I, class 1, size 5 feet, 8 inches and 6 feet, 2 inches; type I, class 2, size 10 feet, 3 inches; and type II, class 2, 17 feet conforming to MIL-P-549 (see 6.5).

3.3.24 Tent liner with cover. The tent liner with cover shall conform to MIL-T-12919.

3.4 Construction. The construction shall conform to the drawings listed in section 2 and as specified herein.

3.4.1 Stitching, machine.

3.4.1.1 Types of stitching. All stitch types, except bartacking, shall conform to FED-STD-751 as follows:

For all stitching except zig-zag stitching, and stitching indicated by "Z" on drawings and alternatively for attachment of slide fasteners	- Type 301, 5 to 7 stitches per inch
For zig-zag stitching	- Type 304, 10 to 14 stitches per inch
For stitching indicated by "Z" on drawings and alternatively for attachment of slide fasteners	- Type 401, 5 to 7 stitches per inch chain portion of stitching shall not appear on outside of tent and cover

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For bartacking

- Bartack $1/2 \pm 1/16$ inch in length $1/8 \pm 1/32$ inch in width (bight) and shall contain 28 stitches

3.4.1.2 Type 301 stitching. Ends of all stitching shall be backstitched or overstitched $1/2$ inch minimum except when caught in other stitching or turned under in a hem. Thread tension shall be maintained so that there will be no loose stitching resulting in puckering of material sewn. The lock shall be embedded in the material sewn.

3.4.1.2.1 Repairs of type 301 stitching. Repairs of type 301 stitching shall be as follows:

a. When thread breaks or bobbin run-outs occur during sewing, the stitching shall be repaired by restarting the stitching a minimum of one inch behind the end of the stitching. 1/

b. Thread breaks or two or more consecutive skipped or run-off stitches noted during inspection of the item (in-process or end item) shall be repaired by overstitching. The stitching shall start a minimum of 1 inch in back of the defective area ($1/2$ inch on box, box-X, and W-W stitching) and continue a minimum of 1 inch beyond the defective area on to the existing stitching. Loose or excessively tight stitching shall be repaired by removing the defective stitching, without damaging the materials, and restitching in the required manner. 1/

1/ When making the above repairs, the ends of the stitching are not required to be backstitched.

3.4.1.3 Type 401 stitching. Thread tension shall be maintained so that there will be no loose stitching. Both ends of all seams or stitching produced with a 401 stitch type, when not turned under in a hem or held down by other stitching, shall have a $1/2$ to $3/4$ inch chain extending beyond each end. The looper (under thread) shall always be on the inside of the tent or cover. All repairs shall be made in accordance with 3.4.1.2.1a or 3.4.1.2.1b. Repairs may be made using a 301 stitch type.

3.4.1.4 Type 304 stitching. For type 304 stitching, thread tension shall be maintained so that there will be no loose or excessively tight stitching. Repairs shall be in accordance with 3.4.1.2.1a or 3.4.1.2.1b except that the stitching shall over stitch the defective stitching area a minimum of three stitches onto the existing stitching. At least $1/4$ inch of backstitching, overstitching or an increased number of stitches per inch shall be used to secure the ends of stitching.

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3.4.1.5 Automatic stitching. Automatic stitching machines may be used to perform any of the required stitch patterns provided the requirements for the stitch pattern, stitches per inch, size and type of thread are met, and at least three or more tying, overlapping or back stitches are used to secure the ends of stitching.

3.4.1.6 Thread ends. All thread ends that are visible on the finished item shall be trimmed to a length of not more than 1/4 inch.

3.4.1.7 Lubrication of thread. The addition of any lubricant to the polyester sewing thread prior to or during the sewing operation is prohibited (see 4.4.2).

3.4.1.8 Stitching margins. Unless otherwise specified, all stitch margins shall be 1/8, +1/16 -0 inch.

3.4.1.9 Bartacking. Bartacking shall be free of thread breaks or loose stitching.

3.4.2 Splicing of cloth. There shall be no splicing of the roof, wall or tent cover panels. Splicing of reinforcements and sod cloth sections will be permitted and, if performed, shall conform to the following requirements:

- a. Eight feet or less in length - 1 splice permitted;
More than 8 feet but not more than 12 feet in length - 2 splices permitted;
More than 12 feet in length - 3 splices permitted.
- b. The shortest length of any spliced piece shall be not less than 2 feet.
- c. Pieces shall be joined as shown on Drawing 5-4-1202.

3.4.3 Splicing of webbing. If required, the webbing shall be spliced as shown on Drawing 5-4-1194. No splicing shall be allowed above the eave perimeter of roof sections of the tent. There shall be a minimum distance of six feet between the splices of webbing.

3.4.4 Attachment of slide fasteners. Care shall be exercised to trim all thread ends to 1/4 inch or less and to maintain specified distances between edges of fabric attached to slide fastener tape so that there will be no interference with the operation of the slider.

3.4.5 Setting of grommets. Holes punched to receive the grommets shall be smaller than the outside diameter of the grommet barrel so that the barrel must be forced through the hole. The grommets shall be securely clinched without cutting the materials or damaging the grommet (see 4.4.2).

3.4.6 Attachment of wooden toggles. Wood toggles shall be attached as shown on Drawing 5-4-1202.

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3.4.7 Splicing of wire rope. The ends of the 1/8 inch diameter wire rope shall be spliced with a sleeve having dimensions not to exceed 7/16 inch in diameter or 2-1/2 inches in length. The splice and the wire rope shall have a minimum parting strength of 300 pounds when tested as specified in 4.5.1 (see 6.6).

3.4.8 Wicking of sewing thread. There shall be no wicking of water through the tent stitching when the tent is tested as specified in 4.5.3. The cup test is intended to insure that non-wicking thread has been utilized and that no lubrication has been added to the polyester thread during the sewing operation.

3.4.9 Repairs. All necessary repairs shall be effected in accordance with Department of the Army Field Manual FM 10-16. Any repairs required shall be authorized by the contracting officer.

3.4.10 Cover, corner, protective. Protective corner covers, when required (Marine Corps use only, see 6.1 and 6.2), shall conform to the design and dimensions indicated on Drawing 5-4-1206.

3.4.11 Fusing of ends of synthetic cord, webbing, and tape. All ends of synthetic cord, webbing, and tape shall be fused. The apparatus used to fuse the ends shall be capable of providing sufficient heat to provide a smooth edge and with the cut ends of the yarns all fused together. Fusing of the ends shall be accomplished prior to being assembled for stitching.

3.4.12 Replacement of defective components. During the spreading, cutting, and manufacturing process, components of the tent having material defects or damages that are classified as defects in 4.4.2 or 4.4.3 shall be removed from production and replaced with non-defective and properly matched components.

3.5 Marking. All markings and labels shall conform to DDD-L-20.

3.5.1 Identification label. Identification labels shall conform to type VI, class 6 and shall be 3-1/2 inches by 5-1/2 inches minimum and a blank space of at least 1-1/4 inches shall be provided on the bottom of the label for the Department of Defense inspector's stamp. Identification labels shall be stitched to the tent and cover in the locations shown on the drawings.

3.5.2 Erection instruction label. Labels of erection instructions shall conform to type VI, class 7 and shall be stitched to the tent and cover in the locations shown on the drawings. The label shall be a proportionate copy of Drawing 5-4-416 as reproduced from a glossy print of this drawing furnished by the contracting officer. The size of the label shall be, borderline to borderline, $15 \pm 1/4$ inches in the longer dimension, with a minimum 1/2-inch margin outside of the borderline on all sides.

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3.5.3 Care and maintenance instructions label. Labels of care and maintenance instructions shall conform to type VI, class 7 and shall be stitched to the tent and cover in the locations shown on the drawings. The label shall be a proportionate copy of Drawing 5-4-417, as reproduced from a glossy print of this drawing furnished by the contracting officer. The size of the label shall be, borderline to borderline, $15 \pm 1/4$ inches in the longer dimension, with a minimum $1/2$ inch margin outside of the borderline on all sides.

3.5.4 Special marking. The letters "U.S." on the tent and protective corner covers and special marking on cover and protective corner covers shall conform to type IV, class 9 in the size characters and in the locations shown on the drawings. Class 9 markings shall be clearly legible after subjection to accelerated weathering.

3.6 Workmanship. Cloth components shall be clean and free of holes, cuts, tears, or cloth defects such as multiple floats or broken or missing yarns. Webbing and tape shall not have frayed or scalloped edges and rope components shall be free of cuts or breaks. Thread tension shall be maintained so that there will be no loose stitching, and seam allowances shall be maintained with seams properly sewed so that no runoffs, twists, pleats, or open seams shall result. Care shall be taken in the sewing to see that no needle chews occur. Metal components shall be free of burrs, sharp edges, corroded areas and shall not be broken or malformed. The tent shall conform to the quality of product established by this specification and the occurrence of defects shall not exceed the applicable acceptable 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

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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 inspections. The inspection requirements specified herein are classified as follows:

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

4.3 First article inspection. When a first article is required (see 3.1 and 6.2), it shall be examined for the defects specified in 4.4.3 and 4.4.4 and shall be tested for the characteristics specified in 4.4.5. Any non-conformance 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.

4.4.1.1 Component testing. Testing shall be performed for the breaking strength of wire rope and splicing sleeve as specified in 4.5.1 and for the moisture content of the wood toggles as specified in 4.5.2. The lot shall consist of all wire rope with splicing sleeves or wood toggles, as applicable, offered for inspection at one time. The sample unit shall be one spliced wire rope or one wood toggle, as applicable. The inspection level shall be S-1, and the acceptable quality level (AQL), expressed in terms of defects per hundred units for 4.5.2 shall be 6.5. The presence of any defect in 4.5.1 shall be cause for rejection of the wire rope and splicing sleeves.

4.4.2 In-process inspection. Inspection shall be made of the following operations or assemblies to establish conformance with specified requirements. Wherever nonconformance is noted, correction shall be made to the items affected and to the operation. Items which cannot be corrected shall be removed from production.

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- a. Lubrication of polyester thread conformance to requirements in 3.4.1.7.
- b. Grommet hole conformance to requirements in 3.4.5.

4.4.3 End item visual examination.

4.4.3.1 Tent, with cover. The end items shall be in an erected position so that both the inside and outside of the tent can be examined, along with its cover, for defects listed in table I. The lot size shall be expressed in units of tents with covers. The sample unit shall be one tent with cover. The inspection level shall be I, and the AQL, expressed in terms of defects per hundred units, shall be 40 for major defects, 100 for major and minor A combined defects and 250 for total (major, minor A, and minor B combined) defects.

4.4.3.2 Cover, only. The end items shall be examined for the applicable defects listed in table I. The lot size shall be expressed in units of covers. The sample unit shall be one cover. The inspection level shall be I and the AQL, expressed in terms of defects per hundred units, shall be 4.0 for major defects, 10 for major and minor A combined defects, and 25 for total (major, minor A, and minor B combined) defects.

4.4.3.3 Corner cover, only. The end items shall be examined for the applicable defects listed in table I. The lot size shall be expressed in terms of corner covers. The sample unit shall be one corner cover. The inspection level shall be I and the AQL, expressed in terms of defects per hundred units, shall be 4.0 for major defects, 10 for major and minor A combined defects, and 25 for total (major, minor A, and minor B combined) defects.

TABLE I. End item visual defects

Examine	Defect	Classification	
		Major	Minor A B
Fabric	Cut, tear, or hole (including exposed drill hole) greater than 1/8 inch in length or diameter:		
	- on tent roof or walls	101	
	- on cover or sod cloth		301
	Cut, tear, or hole (including exposed drill hole) 1/8 inch or less in length or diameter:		
	- more than 5, but not more than ten holes on tent		302

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TABLE I. End item visual defects (cont'd)

<u>Examine</u>	<u>Defect</u>	<u>Classification</u>	
		<u>Major</u>	<u>Minor</u> <u>A</u> <u>B</u>
Fabric (cont'd)	- more than 10 holes:		
	- on tent	102	
	- on cover		303
	Untreated area on either side of cloth more than 1 inch in length or diameter	103	
	Broken or missing yarn or multiple floats		201
Screening	Cut or tear more than 2 inches in length	104	
	Cut or tear more than 1/4 inch but not more than 2 inches in length		202
Tent pins	Not the specified size	105	
Tent poles	Not the specified type, class or size	106	
Tent liner	Missing when required	107	
Webbing and tapes	Frayed or scalloped edge		304
Hardware	Broken or missing	108	
	Malformed:		
	- and fails to perform intended function	109	
	- but will perform intended function		203
	Corroded area		305
	Burr or sharp edge that may cause injury in handling or damage to fabric	110	
Grammets	Improperly set, with two or more teeth exposed (except where grammet is set as specified but is in an area of uneven thickness that prevents uniform clinching)		306
	Clinched loosely, allowing grammet to rotate around hole		307

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Hardware (cont'd)			
Grommets (cont'd)	Clinched excessively tight, cutting fabric:		
	- on tent	111	
	- on cover		204
	Insecurely clinched, with grommets or washers disengaged, damaged or split:		
	- on tent	112	
	- on cover		205
	Misaligned with eye of tent hook, obstructing passage of pole spindle	113	
	Set with barrel inserted from outside instead of inside:		
	- on eave or ridge		206
	- at any other location		308
Hooks, tent, diamond and square eye	Hook not set as specified		207
	Hook not sufficiently closed, allowing connecting hardware to become disengaged		208
Hooks, tent, triangle eye	Hook not inserted through ridge plate hole	114	
	Hook not sufficiently closed, allowing connecting hardware to become disengaged		209
	Set with hook facing roof		309
Ridge plates	One or both misplaced, so that plate center hole fails to correspond with grommets on ridge ends, resulting in obstruction of passage of pole spindle	115	
Rope components	Any cut or any break:		
	- on ridge guy line		210
	- on eave guy line		211
	- on any other line		310

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Rope components (cont'd)	Eave or ridge jumper line or ventilator flap line: - eye splice omitted - eye splice not as specified	212	311
Seams and stitching	Open seam on stitch type 301: - for more than 1 inch - for more than 1/4 inch but not more than 1 inch	213	312
	Open seam on stitch type 401: - one row of stitching open for one inch or less on tent or cover - one row of stitching open for more than 1 inch:		313
	- on roof - on wall or cover	214	314
	- both rows of stitching open (not necessarily at the same location): - on roof - on wall or cover	116 215	
	NOTE: A seam shall be classified as open when one or more stitches joining a seam are broken or when two or more consecutive skipped or runoff stitches occur. On double-stitched seams, a seam shall be classified as open when either one or both sides of a seam are open.		
	Raw edges caught in stitching (except at eave corners at seam joining end roof to side roof): - for more than 3 inches - for more than 1 inch but not more than 3 inches	216	315
	Thread breaks: - overstitched less than 1 inch on stitch type 401 - overstitched less than 1 inch on stitch type 301		316 317

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Seams and stitching (cont'd)	- overstitched less than 3 stitches on stitch type 304		318
	NOTE: Thread breaks not overstitched on each side of break as specified shall be classified as open seams.		
	Needle chew resulting in cut, tear, or hole (see Cut, tear, or hole under Fabric examination).		
	Skipped stitches:		
	- overstitched less than 1 inch on stitch type 401		319
	- overstitched 1 inch on each side of break in stitch type 301 or 304		320
	NOTE: Skipped stitches not overstitched shall be classified as open seams.		
	One or more required rows of stitch- ing omitted (Except on boxstitching and "W" stitching)	117	
Boxstitching	Incomplete:		
	- two or more rows of stitching omitted		217
	- one row of stitching omitted		321
	Any boxstitching less than specified length by more than 1/8 inch		322
"W" stitching	Incomplete:		
	- two or more rows of stitching omitted	118	
	- one row of stitching omitted		218
	Any "W" stitching less than specified length by more than 1 inch		323
Bartacking	Any bartacking less than specified length by more than 1/8 inch		324
	Missing at corners	119	

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Stitching ends	Overstitched less than 1/2 inch on stitch type 301 (except where ends are held down by other stitching, turned under in a hem or where stitching is performed automatically)		219
	Secured with less than three tying, overlapping, or backstitches when automatic stitching is performed		325
Seams	Seam pleated:		
	- on roof	220	
	- at eave or on wall, or on cover		326
Seam type	Wrong seam type	120	
Stitch type	Wrong stitch type	121	
Stitch tension	Loose, resulting in an exposed bobbin or top thread, for more than 6 inches		221
	Tight, as evidence by puckering on fabric, for more than 6 inches		222
Stitches per inch	Less than minimum specified (except on panel joining seams):		
	- two or more stitches		223
	- one stitch		327
	Less than minimum specified on panel joining seams		224
	More than maximum specified:		
	- two or more stitches	225	
	- one stitch		328

NOTE: Variation in the number of stitches per inch, caused by the operator speeding up the machine and pulling the fabric in order to sew over heavy places or heavy seams or in turning corners, shall be classified as follows:

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Stitches per inch (cont'd)	a. Within the minor "B" defect classification - no defect.		
	b. Within the minor "A" defect classification - minor "B" defect.		
Stitching gauge	Not as specified		226
Stitching margin	Larger than specified:		
	- for more than 4 inches in length		227
	- for more than 2 inches but not more than 4 inches in length		329
	Less than specified:		
	- for more than 4 inches in length		228
	- for more than 2 inches but not more than 4 inches in length		330
Stitching indicated by "Z" on drawings	Chain portion of stitching shows on outside of tent or cover		229
Mends, darns, or patches	Repairs not in accordance with Department of the Army Field Manual FM 10-16 or not authorized by the contracting officer (see 3.4.9)	122	
Components and assembly	Any component part omitted or not fabricated of applicable referenced material	123	
	Any operation omitted or not performed in accordance with document or drawings unless otherwise classified herein	124	
Splicing of webbing	Splicing (when necessary) not made as indicated on Drawing 5-4-1194		230
	Distance between splices less than specified		231
	Splicing of webbing in roof portion	125	

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Hems	Constructed with partial turnunder when double turnunder is required		232
	Twisted or pleated		331
Reinforcements	Improperly applied, causing excessive fullness on reinforcement or reinforced parts		332
Cloth splicing	Splice in roof, wall, or tent cover panels	126	
	Number of splices per reinforcement or sod cloth section more than specified		233
	Spliced pieces not joined as shown on Drawing 5-4-1202		333
	Spliced piece shorter than 2 feet		334
Slide fasteners	Slider jams or fails to interlock chain	127	
	Any tape improperly assembled causing failure of chain to effect a smooth and secure closure	128	
	Wrong length	129	
	Width not as specified	130	
	Puckering of tape	131	
	Broken or missing scoops	132	
	Thong omitted		234
NOTE: The inspector shall pull slide fasteners three or four times to an open and closed position to determine proper function and effectiveness of each fastener.			
Points of stress on ridge and eaves	Webbing loops engaging hardware at each stress area set loose, failing to relieve stress from canvas:		
	- on two or more loops	133	
	- on one loop		335

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TABLE I. End item visual defects (cont'd)

<u>Examine</u>	<u>Defect</u>	<u>Classification</u>	
		Major	Minor A B
Points of stress on ridge and eaves (cont'd)	NOTE: When the proper tension between the webbing and the hardware and the webbing and the tent body has been attained, only slight fullness of the fabric at stress points will result.		
Construction detail			
End walls outside door lug	Grommet located at lower right corner of door lug not inserted through end wall half or inserted through wall only Side door lug misplaced, failing to overlap door edge	134	235
Corner flaps	Sewn into roof, end wall, or side wall joining seam, preventing proper function of flaps		336
Doors:			
Toggle loops	Stitched to door edge on inside in lieu of outside Not securely overcast-stitched to door edge; any loop misplaced, failing to effect a smooth and secure closure of doors		337 236
Toggle chapes	Any toggle chape misplaced, such as right end wall chape set on outside of door in lieu of inside, left end wall chape set on inside of door in lieu of outside, or ends of cord not securely overcast-stitched through end wall and reinforcement resulting in failure to effect a smooth and secure closure of door		237

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Construction detail (cont'd)			
Doors: (cont'd)			
Toggles	Toggle held in place with a single turn of rope around groove, or double turn not overhand knotted		238
Rings chapes "A"	Right end wall ring chapes set on outside of door in lieu of inside; left end wall ring chapes set on inside of door in lieu of outside Steel cable not threaded through all rings in door area: - two or more rings missed - one ring missed	135	338 239
Door top lug "A"	Not securely stitched through end roof reinforcement "F" and door top lug "B"	136	
End walls, inside door top lug "B"	Not securely stitched through reinforcement "F" and roof and door top lug "A"	137	
Screen door lug	Ends of lug stitched to door top lug "B" failing to provide clearance for top end of screen doors		240
Ring chapes	Any chape not securely caught in double row of stitching assembling screen door lug to door top lug "B"		241
Screen doors	Reversed: set to end wall halves with sod cloth on outside of tent, stitched through wall halves only, not through wall reinforcements		242

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor
		A	B
Construction detail (cont'd)			
Roof inside:			
End roof ventilator	Screening not securely caught in stitching attaching reinforcement webbing to ventilator opening	243	
Roof	Any hole, cut, or tear 1/4 inch or more in diameter or length	138	
End roof ventilator flaps	Top end of flaps, not overlapped	139	
	Misplaced, not stitched through ventilator opening reinforcement	244	
Stovepipe opening, drip caps	Rope stiffener omitted or not held in place by stitching at bottom edge of drip cap	245	
Stovepipe shield	Set to roof with oval opening in a horizontal position instead of vertical	246	
	Exposed stitching or needle holes		339
Labels	Omitted, incorrect, illegible, or misplaced:		
	- erection or maintenance instruction	247	
	- identification		340
Markings: "U.S." on tent and cover	Omitted, incorrect, illegible, or misplaced		341
Cleanness	Grease or oil stains		342
	Thread ends not trimmed to 1/4 inch or less (except in slide fastener area)		343
	Thread ends not trimmed to 1/4 inch or less in slide fastener area	248	

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Cord, webbing and tape	Ends not fused as specified		249

4.4.4 End item dimensional examination.

4.4.4.1 Tent, with cover. The end items shall be in an erected position so that both the inside and outside of the tent can be examined, along with its cover, for defects listed in table II. The lot size shall be expressed in units of tents with covers. The sample unit shall be one tent with its cover. The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 2.5 for major defects, 40 for major and minor A combined defects and 100 for total (major, minor A, and minor B combined) defects.

4.4.4.2 Cover, only. The end items shall be examined for the applicable defects listed in table II. The lot size shall be expressed in units of covers. The sample unit shall be one cover. The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 4.0 for major defects, 10 for major and minor A combined defects and 25 for total (major, minor A, and minor B combined) defects.

4.4.4.3 Corner cover, only. The end items shall be examined for the applicable defects listed in table II. The lot size shall be expressed in units of corner covers. The sample units shall be one corner cover. The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 4.0 for major defects, 10 for major and minor A combined defects, and 25 for total (major, minor A, and minor B combined) defects.

TABLE II. End item dimensional defects

Examine	Defect	Classification	
		Major	Minor A B
Overall dimensions	Smaller than specified dimensions less applicable minus tolerance indicated on drawings	101	
	Larger than specified dimensions and applicable plus tolerance indicated on drawings		301

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TABLE II. End item dimensional defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Tent cover, ventilator openings (unless otherwise speci- fied)	Smaller than specified dimensions less twice the applicable minus tolerance indicated on drawings	201	
	Smaller than specified dimensions less applicable minus tolerance indicated on drawings, but not smaller than specified dimensions less twice the applicable tolerance		302
	Larger than specified dimensions and applicable plus tolerance indicated on drawings		303
Location dimensions (unless other- wise specified)	Not within specified tolerances: - exceeding twice the applicable tolerance	202	
	- not exceeding twice the applicable tolerance		304
Webbing and tie tapes (except wall tie tapes)	Finished length less than specified by more than 1 inch	203	305
	Turnunder at ends of webbing engag- ing hardware less than specified - by 1-1/2 inches or more		
	- by more than 1 inch but less than 1-1/2 inches		306
Wall tie tapes	Length (on either side of wall) less than 11 inches		307
Grommets	Set beyond specified location by more than 1/2 inch (unless otherwise specified)		308
	Intermediate bottom wall grommets set beyond specified location by more than 2 inches		309
Rope components, tent lines	Ridge, eave, or ventilator flap line less than specified finished length: - by more than 12 inches	102	
	- by more than 4 inches but not more than 12 inches		204
	- by not more than 4 inches		310

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TABLE II. End item dimensional defects (cont'd)

Examine	Defect	Classification	
		Major	Minor A B
Reinforcements	Finished dimensions of reinforcements less than specified by more than 1/2 inch		311
	Any spliced piece less than 2 feet in length		312
Sod cloths	Less than 10 inches wide from bottom edge of wall to edge of sod cloth hem; ends of sod cloths, at locations of wall reinforcement webbing, set in bottom hem less than 1-3/4 inches or more than 3-3/4 inches apart; right end wall sod cloth set in bottom hem with end of cloth more than 1/2 inch from inner edge of wall reinforcements; opening between sod cloth ends off center of wall reinforcement more than 1/2 inch		313
	Any spliced piece less than 2 feet in length		314
Wall corners, inside corner lug	Any lug set beyond specified location by more than 1/8 inch		205

4.4.5 End item testing. Tent samples shall be tested as specified in 4.5.3 for compliance with 3.4.8. The lot size shall be expressed in units of completely fabricated tents. The sample unit shall be one completely fabricated tent. The inspection level shall be S-3. The failure of the test shall be cause for rejection of the lot.

4.4.6 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 AQL, expressed in terms of defects per hundred units, shall be 2.5.

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<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 sealing or closure of flap, improper taping, loose strapping, or inadequate stapling Bulged or distorted container
Content	Number per container is more or less than required

4.5 Method of inspection.

4.5.1 Strength test. Breaking strength of wire rope and a splicing sleeve (joining two ends of wire rope as specified in 3.4.7) shall be determined by subjecting the assembly to a proof load test of 300 pounds in accordance with standard commercial practice. The test results shall be pass or fail. Any nonconformance to the parting strength requirement in 3.4.7 shall be considered a defect.

4.5.2 Moisture content of wood toggles. The moisture content of wood toggles shall be determined in accordance with the oven drying method or moisture meter method referenced in ASTM D 2016. Results shall be reported to the nearest 0.1 percent. Any nonconformance to the moisture content requirement in 3.3.21 shall be considered a defect.

4.5.3 Wicking of sewing thread (cup test). The tent shall be tested in three areas as follows: at the peak, ridge or joining seam abutting the peak or ridge; at an intersection of a horizontal and vertical seam such as at an intersection of a side wall and roof; and on a roof panel seam. Suspend the seamed section of the test fabric in the center of a $6 \pm 1/8$ inch diameter hoop and form a depression with the seamed fabric in the hoop to a depth of $1 \pm 1/4$ inch. Slowly pour 500 mL of water at $77^{\circ}\text{F} \pm 4^{\circ}\text{F}$ into the cupped area (depression) and observe the under surface of the fabric for water penetration. Any wicking of water along the sewing thread, identified by a discoloration or darkening of the thread within 5 minutes after water is poured, shall constitute a test failure. Water leakage through the needle holes or between the plies of the lapped seamed fabric shall not be considered a failure.

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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 Tent with cover. Each tent shall be folded and placed in the cover as shown on Drawing 5-4-579. The folded tent, in the cover, shall measure approximately 36 inches in length, 36 inches in width, and 20 inches in depth. The following requirements shall be included in the packaging procedure:

- a. Bring the eave guy line slip close to the eave line before coiling each eave guy line.
- b. Place each exposed ridge plate assembly on the center of the fold.
- c. Cover each ridge plate assembly with three thicknesses of scrap burlap or cloth, cotton or duck (one thickness underneath and two thicknesses on top).

5.1.1.2 Tent covers. Each cover when procured separately shall be compactly folded so that the identification markings are visible. The folded cover shall measure approximately 20 by 14 inches. All lines shall be placed within the folds. Five folded covers shall be stacked and cross-tied with cotton tape or twine.

5.1.1.3 Tent liner. Each liner shall be folded and placed in its cover as shown on Drawing 5-4-495.

5.1.1.4 Tent poles. No preservation is required.

5.1.1.5 Tent pins. The tent pins, specified in 3.3.22 and of the following quantities: 48, 16 inches long - 28, 24 inches long: shall be packed in a fiberboard box conforming to style FTC, type CF (variety SW) or type SF, class domestic, grade 275 of PPP-B-636, except that dimensional limitations shall be waived. The inside dimensions of the box shall be approximately 34 inches in length, 16 inches width, and 16 inches in depth. Cushioning shall be applied as necessary to immobilize the pins and fill voids in the box.

5.1.2 Commercial preservation. Tent with cover, tent covers only, tent liner with cover, tent poles, and tent pins 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).

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5.2.1 Level A packing.

5.2.1.1 Tent with cover, tent liner with cover, tent poles, and tent pins. One tent with cover, one tent liner with cover, tent pins (see 5.1.1.5) and tent poles (see 3.3.23) of the following lengths and quantities: Pole, tent, 10 feet 3 inches long, 2 required; pole, tent, 6 feet 2 inches long, 4 required; pole, tent, 5 feet 8 inches long, 10 required; pole, tent, 17 feet long, 1 required: preserved as specified in 5.1 shall be packed in a snug-fitting, wood-cleated plywood shipping container conforming to overseas type, style A of PPP-B-601. Each container shall be provided with skids fabricated as specified in the container document. The inside dimensions of the shipping container shall be approximately 90 inches in length, 36-1/2 inches in width, and 24 inches in depth. Poles as specified shall be placed flat diagonally in the bottom of the box. The tent poles shall be covered with a sheet of 60-pound basis weight kraft paper. The tent within its cover and the tent liner within its cover shall be placed on top of the poles one unit at each end of the box. Pins, boxed as specified in 5.1, shall be placed on top of the poles between the tent and the liner. The contents of the box shall be cushioned and immobilized, as applicable, to afford protection against abrasion during shipment and storage. Each shipping container shall be provided with a type I or II, grade C, case liner conforming to MIL-L-10547. Each shipping container shall be closed and reinforced with flat steel strapping in accordance with the appendix of PPP-B-601.

5.2.1.2 Tent with cover. One tent with cover when procured separately (see 6.2), preserved as specified in 5.1, shall be packed in a snug-fitting, wood-cleated plywood shipping container conforming to overseas type A of PPP-B-601. Each container shall be provided with skids fabricated as specified in the container document. Each shipping container shall be closed and reinforced with flat steel strapping in accordance with the appendix of PPP-B-601.

5.2.1.3 Tent covers. Five tent covers when procured separately (see 6.2), preserved as specified in 5.1, shall be packed in a snug-fitting, fiberboard shipping container conforming to style RSC-L, V2s, of PPP-B-636. The inside of each container shall be fitted with a box liner conforming to type CF, class weather-resistant, variety DW, V15c of PPP-B-636. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V, and reinforced as specified in the appendix of PPP-B-636. Shipping containers shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified (see 6.2). Strapping shall be limited to nonmetallic strapping, except for type II, class F loads.

5.2.2 Level B packing.

5.2.2.1 Tent with cover, tent liner with cover, tent poles, and tent pins. One tent with cover, one tent liner with cover, tent poles, and tent pins

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preserved as specified in 5.1, shall be packed as specified in 5.2.1.1 except that the shipping containers shall be domestic type and case liners shall not be required.

5.2.2.2 Tent with cover or tent covers. One tent with cover, or five tent covers when procured separately (see 6.2), preserved as specified in 5.1.1, shall be wrapped and sewn in cotton osnaburg cloth conforming to class 2 of

CCC-C-429; or burlap cloth conforming to class 3 of CCC-C-467. The cloth wrapping shall be securely hand sewn with type I or II 16-ply cotton twine conforming to T-T-871 or type I, size No. 2 jute twine conforming to T-T-911, with approximately one stitch to the inch and every third stitch overhand knotted. Alternately the bottom and side may be machine sewn. A minimum of five inches of wrapping material shall be gathered together on each of four corners and securely hand sewn into ears for handles. In lieu of the sewn wrapping indicated above, bias-sewn tubing conforming to MIL-T-40625 may be used. One end of the tubing may be machine sewn. The formation of handles shall be effected by hand sewing in conformance with method described above. Whenever machine sewing is used, the thread type, stitch type, and number of stitches per inch shall conform to the requirements specified in MIL-T-40625. However, the polyester thread used in manufacturing the end item may be used for effecting the machine-sewn closure of the wrapping or tubing.

5.2.3 Commercial packing. One complete assembly, or one tent with cover, or five tent covers preserved as specified in 5.1 shall be packed in accordance with ASTM D 3951.

5.3 Marking. In addition to any special marking required by the contract or purchase order, shipments shall be marked in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

5.3.1 Additional marking. The following shall be stenciled or imprinted on each shipping container and cloth covered bundle in characters not less than 3/4 inch high:

"SEE ERECTION INSTRUCTIONS SEWED TO INSIDE OF TENT COVER"

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 medium-sized tent is designed to be used primarily for the quartering of troops. However, it can be used as a command post, fire support control center, mess hall, storage area, component of a field hospital, or to house such components as a field bakery. Although this tent is intended to be used principally in temperate and tropic areas, it can be used effectively in cold climate areas by the addition of a tent liner that is available. Protective corner covers (solely a Marine Corps requirement)

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are available for use in hot, wet climates when side walls and end flaps are raised to a horizontal position. When required (see 6.2) four corner covers are supplied for use with each tent.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Type of tent 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. Whether protective corner covers are required (solely a Marine Corps requirement) (see 3.4.10 and 6.1).
- f. Levels of preservation and packing (see 5.1 and 5.2).
- g. When tent and cover only is required (see 5.2.1.2).
- h. When tent cover only is required (see 5.2.1.3).
- i. Type and class of unit load required (see 5.2.1.3).

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. 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 Standard sample. For access to a standard shade of thread, address the contracting officer issuing the invitation for bids or request for proposal.

6.5 Poles, tent. Optional lightweight tent poles conforming to the following types, classes, and sizes of MIL-P-43413 are available for the type I and II tents.

Type IV, 5 feet 8 inches
 Type III, 6 feet 2 inches
 Type II, class A, 10 feet 3 inches
 Type I, class A, 17 feet

6.6 Commercial products. The National Telephone and Supply Company's splicing sleeve, 2-134-J, used in conjunction with this company's Nicopress tool No. 31-DJ, has been found to provide a splice meeting the requirements specified in 3.4.7.

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6.7 International standardization agreements. Certain provisions of this document are the subject of international standardization agreement as cited in NATO, STANAG No. 2882, relative to camouflage requirements for tents, shelters, and subsidiary components. When amendment, revision, or cancellation of this specification is proposed which will affect or violate the international agreement concerned, the preparing activity will take appropriate reconciliation action through international standardization channels including departmental standardization offices, if required.

6.8 Subject term (key word) listing.

Shelter

6.9 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:

Army - GL
Navy - NU
Air Force - 99

Preparing activity:

Army - GL
(Project 8340-0551)

Review activities:

Army - MD
Air Force - 82
DLA - CT

User activities:

Navy - YD
Air Force - 45

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.

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1. RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-T-1712T	2. DOCUMENT DATE (YYMMDD) 1991 September 16
	3. DOCUMENT TITLE TENT, GENERAL PURPOSE, MEDIUM	
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)	7. 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