NOT MEASUREMENT SENSITIVE

MIL-B-8111F (USAF)
15 February 1994
SUPERSEDING
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22 July 1983

MILITARY SPECIFICATION

BOX SET, WOOD, NESTED, ORGANIZATION EQUIPMENT

TYPE MG-1A

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

1. SCOPE

1.1 Scope. This specification covers requirements for a wood box set for organizational equipment, consisting of four nested containers, and designated type MG-1A (see 6.1).

1.2 Classification. The wood box sets are classified by the following classes (see 6.2):

Class 1 - Body and lid of each container are constructed from A-C plywood.

Class 2 - Body and lid of each container are constructed from overlaid plywood (see 3.7.2).

1.3 Part number. Specification part numbers for items described in this specification are formulated as shown in Section 6.3.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to the Air Force Packaging Evaluation Activity, HQ AFMC/LGTP, 5215 Thurlow Street, Bldg 70, Wright-Patterson AFB, OH 45433-5540, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 8115

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications and standards form a part of this specification 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

TT-C-490	Cleaning Methods for Ferrous Surfaces and Pretreatment for Organic Coatings
TT-E-529	Enamel, Alkyd, Semi-Gloss, Low VOC Content
TT-C-595	Colors; (For) Ready-Mixed Paints

Military

MIL-P-53030	Primer Coating, Epoxy, Water Reducible, Lead and Chromate Free
MIL-T-31000	Technical Data Packages, General Specification for

STANDARDS

Federal

FED-STD-101	Test Procedures for Packaging Materials

Military

MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Marking of U.S. Military Property
MIL-STD-810	Environmental Test Methods and Engineering Guidelines
MIL-STD-970	Standards and Specifications, Order of Preference for the Selection of

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

2.2 Non-Government publications. The following documents form a part of this specification 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).

U.S. DEPARTMENT OF COMMERCE, NATIONAL BUREAU OF STANDARDS

PS 1 Softwood Plywood, Construction and Industrial

(Application for copies should be addressed to the Superintendent of Documents, U.S. Government Printing Office, Washington DC 20402)

ASTM

D 3951 Standard Practice for Commercial Packaging

(Application for copies of the ASTM standards by serial designation and title should be made to ASTM, 1916 Race Street, Philadelphia PA 19103.)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents may also 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 specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified in the contract or purchase order (see 6.2), a sample unit(s) shall be subjected to first article inspection and approval (see 4.3.1).

3.2 Components. The box set shall consist of four nested containers. Each container shall consist of a body assembly, lid assembly, and eight closure bolts.

3.3 Selection of specifications and standards. Specifications and standards for necessary commodities and services not specified herein shall be selected in accordance with MIL-STD-970 except as provided in 3.3.1 and 3.3.2.

3.3.1 Commercial parts. Commercial utility parts, such as screws, bolts, nuts, and cotter pins having suitable properties may be used provided:

a. There are no suitable standard parts.

b. They can be replaced by the standard parts (MS and AN) without alteration.

c. The corresponding standard part numbers are referenced in the parts list and, if practical, on the contractor's drawings.

3.3.2 Standard parts. Except as provided in 3.3.1, MS and AN standard parts shall be used. Standard parts shall be identified on the drawings by their part numbers.

3.4 Protective treatment of materials. Materials used in the construction of the box set shall have protective coatings that are resistant to extreme changes in natural environmental conditions.

3.5 Design and construction. The box set shall be designed and constructed so that no parts will work loose in service. The box set shall be built to withstand the strains, shocks, vibrations, and other conditions incidental to shipping, storage, and service of military organizational equipment weighing not more than 68 kilograms (150 pounds) per container.

3.6 Performance

3.6.1 Class 1 container. Each class 1 container of the box set shall be capable of withstanding the following conditions:

a. One free fall from a height of 610 millimeters (24 inches) onto each of eight corners when solidly loaded with 68 kilograms (150 pounds) in each container.

b. A static load of 68 kilograms (150 pounds) supported by each handle with the long dimension of the box set in a vertical position and the handle at right angles to the end of the container.

c. The container shall be able to withstand vibration testing carrying a load of 68 kilograms (150 pounds) per FED-STD-101, Method 5019.

3.6.2 Class 2 container. Each class 2 container of the box set shall be capable of withstanding the following conditions:

a. One free fall from a height of 610 millimeters (24 inches) onto each of eight corners when solidly loaded with 68 kilograms (150 pounds) in each container.

b. A static load of 68 kilograms (150 pounds) supported by each handle with the long dimension of the box set in a vertical position and the handle at right angles to the end of the container.

c. A repetitive shock test in accordance with FED-STD-101, Method 5019.

d. A temperature range of -40°C to 71°C (-40°F to 160°F).

e. A relative humidity of 95 ± 5 percent at a temperature of 71°C ± 2°C (160°F ± 3°F).

f. Exposure to atmosphere containing salt-laden moisture.

3.7 Containers. Containers shall conform to figures 1 and 2. Numbers and dimensions of containers shall conform to table I. Dimensions A and B shall be measured between the outside faces of the container, excluding reinforcing and binding, and dimension C shall be measured from the bottom surface to the top edge of the container body (see figure 1). Dimensions A, B, and C refer to the container length, width, and height, respectively.

TABLE I. Net outside dimensions of containers.

Container No.	A		B		C	
	mm	Inches	mm	Inches	mm	Inches
I	933	36-3/4	527	20-3/4	451	17-3/4
II	883	34-3/4	489	19-1/4	422	16-5/8
III	832	32-3/4	451	17-3/4	394	15-1/2
IV	781	30-3/4	413	16-1/4	365	14-3/8

3.7.1 Plywood for class 1 containers. The body and lid of each class 1 container shall be constructed from plywood conforming to U.S. Product Standard PS-1, panel grade A-C. The A side of the plywood shall be the outside face and the C side of the plywood shall be the interior face of the container.

3.7.2 Plywood for class 2 containers. The body and lid of each class 2 container shall be constructed from overlaid plywood conforming to U.S. Product Standard PS-1, or plywood surfaced on two sides with an equivalent surfacing material of plastic or

fiber. Plywood shall be surfaced on two sides with a medium density overlay panel, grade B-B. The thickness of plywood, exclusive of the surfacing material, shall be 9.5 millimeters (3/8 inch). The color of the facing shall be olive drab conforming to TT-E-529, color number 24084 of TT-C-595.

3.7.3 Gaskets and sealing. The corners and edges of the class 1 and class 2 containers shall be tightly joined to resist entry of moisture. A gasket shall be provided on the under side of the lid. The gasket shall be flexible at -29°C (-20°F) and shall not disintegrate or separate from the lid at -40°C (-40°F).

3.7.4 Handles. The handles shall fold down freely against the side of the container when not in use and shall stop open at approximately 90 degrees when extended. The handles shall be fabricated in accordance with U.S. Air Force drawing No. 44B9598 or equal (see figure 3). Each handle shall be capable of lifting the total gross weight by single-point suspension (see 4.6.2). One handle shall be centered horizontally on each end of the container (see figure 1).

3.8 Interchangeability. All parts having the same manufacturer's part number shall be functionally and dimensionally interchangeable. The drawing number requirements of MIL-T-31000 shall govern changes in the manufacturer's part numbers.

3.9 Finishes and protective coatings.

3.9.1 Plywood edge treatment. After cutting and prior to assembly, all sawed edges of both the class 1 and class 2 containers shall be sealed against the entry of moisture with one application of primer MIL-P-53030 and two coats of enamel conforming to TT-E-529, color number 24084 of TT-C-595.

3.9.2 Metal parts. Prior to assembly of the container, metal parts shall be covered with a phosphate coating conforming to TT-C-490, grade 1. Closure bolts, if otherwise protected against corrosion, shall be exempt from this requirement.

3.9.3 Protective coating.

3.9.3.1 Class 1 containers. For class 1 containers, one coat of primer conforming to MIL-P-53030 and two coats of enamel conforming to TT-E-529, color number 24084 of TT-C-595, shall be applied to both the inside and the outside of the container subsequent to assembly (see 3.9.1). Particular care shall be taken to assure complete coverage of handles, rivet heads, and similar areas.

3.9.3.2 Class 2 containers. Plywood for class 2 containers, surfaced with an overlay of the specified color, need not

be painted. However, if the facing of the plywood is not surfaced with the specified color, it shall be suitable for painting. Two coats of enamel conforming to TT-E-529, color number 24084 of TT-C-595, shall be applied to both the inside and the outside of the class 2 container subsequent to assembly (see 3.9.1). Particular care shall be taken to assure complete coverage of handles, rivet heads, and similar parts.

3.10 Identification marking. Each box of a box set shall be marked on one end in accordance with MIL-STD-130. The following information shall be included:

BOX SET, WOOD, NESTED ORGANIZATION EQUIPMENT
TYPE MG-IA (CLASS 1 OR 2 AS APPLICABLE)
CONTAINER SIZE (I, II, III OR IV AS APPLICABLE)
MIL-B-8111F
MFG NAME OR CODE (AS APPLICABLE)
CONTRACT OR PURCHASE NUMBER (AS APPLICABLE)
THE DESIGNATION "U.S. PROPERTY"
"CAPACITY 68 KILOGRAMS (150 POUNDS)"

3.10.1 Other markings. On the opposite end of each box (see 3.10), a 102 x 152 millimeter (4 x 6 inch) space shall be stenciled as follows:

"PLACE SHIPPING TICKET HERE"

3.11 Workmanship. The box set shall be uniformly constructed and free of all imperfections which might impair its strength or usefulness. The finished articles shall be clean, free of burrs, sharp edges, foreign material, rough spots, etc., and shall contain no defects which might affect appearance and serviceability.

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 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.

4.2 Classification of inspections. The inspection requirements and testing of boxes shall be classified as follows:

a. First article inspection (see 3.1 and 4.3.1)

b. Quality conformance inspection (see 4.4)

4.2.1 Classification of defects. All defects shall be classified as either a critical, major, or minor defect. A critical defect shall be justified as a defect that may cause injury to personnel or property. A major defect shall be justified as a defect that may affect performance and quality of the container. A minor defect shall be justified as a defect that is a discrepancy in this specification but does not apply to a critical or major defect. All critical and major defects shall constitute a failure of the container to meet the requirements of this specification and shall deem the container and the lot it represents unacceptable by the Government (see 4.1.1). All minor defects shall be under the discretion of the contracting officer to either deem the container and the lot it represents acceptable or unacceptable.

4.3 First article tests.

4.3.1 First article test samples. First article test samples shall consist of one box set, representative of production design and construction, upon which approval is desired. Samples shall be appropriately identified. The box set shall be examined as specified in paragraphs 4.4.2 through 4.4.5. Class 1 containers shall be tested in accordance with table I and paragraphs 4.6.1 and 4.6.2. Class 2 containers shall be tested in accordance with table II and paragraphs 4.6.1 through 4.7. A technical representative, approved by the procuring activity, shall witness all first article tests to ensure that the container conforms to this specification (see 3.1). The test results shall be approved by the procuring activity before production is started.

4.3.2 First article retest. First article tests shall be repeated in the event a change in the manufacturing process or a change in material is made.

4.4 Quality conformance inspection. Each container submitted for acceptance shall be subjected to and shall pass the examination of product. The inspection shall consist of the examination as specified in 4.4.2 through 4.4.5.

4.4.1 Measuring device. A standard metric measuring tape or metric ruler with increments no greater than one centimeter shall be used to determine the sizes and dimensions of the crates or of the parts and components of unassembled samples. Testing of samples required to construct the crate shall be performed by the supplier (see 4.1).

4.4.2 In-process inspection. In-process inspection shall be made to determine that surface treatment of metal parts complies with 3.9.2; that after cutting and prior to assembly, plywood edges and exposed openings are sealed against the entry of moisture (see 3.9.1); specified type rivets are used as indicated in figure 2; and that utility parts such as screws, nuts, bolts, cotter pins, etc., are as specified in 3.3 and subparagraphs thereto. Failure to take immediate corrective action on any noncompliance shall be cause for rejection.

4.4.3 Examination of the end item. Examination of the end item shall be made in accordance with the classification of defects and inspection levels set forth below. Separate examinations shall be performed for each container, I, II, III, and IV.

4.4.4 Examination of individual container for defects in material, construction, appearance, workmanship, dimensions, and marking. The sample unit for this examination shall be one size I, II, III, or IV unit container with lid and closure bolts, as applicable. Separate examinations shall be performed for each size container.

TABLE II. Classification of defects.

Examine	Defect	Classification	
		Major	Minor
Finish	Not color specified		X
	Rust on metal surfaces	X	
	Peeling or blistered	X	
	Not smooth and uniform	X	
	Touchup not neat		X
	Not completely dry (tacky)		X
	Dirt, grit, or foreign matter imbedded in the enamel		X
	Color separation or discoloration affecting appearance		X
Plywood	Any non-conformance with the requirements of U.S. Products	X	

TABLE II. Classification of defects - Continued.

Examine	Defect	Classification Major	Minor
	Standard PS-1, for panel grade A-C or B-B		
Quality of components (except rivets and tacks)	Not fabricated of material specified	X	
	Not type or size specified	X	
	Component damaged, malformed, dented, or bent affecting usability	X	
	Component damaged, malformed, dented, or bent not affecting usability		X
	Sharp edge or projection that may cause injury	X	
	Component bruised, chipped, or nicked to an extent affecting appearance		X
	Forming or machine mark affecting appearance		X
	Component mispositioned or misaligned affecting serviceability	X	
	Missing or loose component	X	
	Handle does not operate freely	X	
Quality of rivets and trunk tacks	Wrong type or size used	X	
Workmanship of attachment of rivets or tacks	More than one rivet or tack missing	X	
	Spacing and alignment of rivets or tacks not as shown in drawing		X
	Five or less rivets or tacks not securely and properly clinched or peened (as applicable)		X
	Six or more rivets or tacks not securely and properly clinched or peened (as applicable)	X	
	Any combination of ten or more rivets or tacks cocked or not flush	X	
	Three or more rivets visibly loose or insecure		X

TABLE II. Classification of defects - Continued.

Examine	Defect	Classification Major	Minor
	Five or more rivet heads popped on binding, lid or channels	X	
Body and lid assembly (exterior)	Force fit of lid on body	X	
	Lid loose on body with closure bolts in locked position	X	
	Panel warped more than 3 millimeters (1/8 inch) length or width	X	
	Any hole through container	X	
	Construction details not as specified in figures 1 and 2	X	
Body and lid assembly (interior)	Gasket deformed, torn, or loose	X	
	Open joint at gasket ends more than 3 millimeters (1/8 inch)	X	
	Open joint over 0.8 millimeters (1/32 inch) at juncture of adjoining panel	X	
Markings	Omitted, incomplete, incorrect, not legible	X	
Dimensions	Not within tolerances specified in table I and figures 1 and 2	X	

4.4.5 Inspection and examination of the end item for defects in assembly and nesting. The sample unit for this examination shall be one complete box set.

Examine	Defect
Assembly	Boxes not completely assembled and nested. Any component member, including bolts, missing from assembly.

4.5 Testing of the end item. Sample unit(s) consisting of one complete set of boxes, Class 1 or Class 2 from each lot presented for acceptance, shall be tested as indicated in table III. Failure to comply with any characteristic requirement shall be cause for rejection of the lot.

TABLE III. Instructions for testing (sample unit).

Characteristic	Spec Reqmnt	Ref. Test Method	Reqmts Appl Indiv Unit	Number Deter. per Sample	Results Reported as Pass or Fail 1/
Drop test (1 of each size container)	3.6	4.6.1	X	1 on ea. of the 8 corners	X
Handle test (1 of each size container)	3.6	4.6.2	X	1 on ea. handle	X
Low Temperature Test	3.6	4.6.3.1	X	1 on ea. size container	X
High Temperature Test	3.6	4.6.3.2	X	1 on ea. size container	X
Humidity Test	3.6	4.6.3.3	X	1 on ea. size container	X
Gasket and Sealing	3.7.3	4.6.3 4.6.3.3	X	1 on ea. size gasket	X
Salt Fog Test	3.6	4.6.3.4	X	1 on ea. size container	X
Vibration Test	3.6	4.6.4	X	1 on ea. size container	X

1/ In case of failure, report degree of failure.

4.6 Test methods.

4.6.1 Drop test. One of each size container shall be subjected to a drop test at ambient conditions. The containers shall be prepared for testing with a dummy load. The dummy load shall be firmly braced against each wall of the container at four or more symmetrical points. No internal or external reinforcements shall be used. The test load for each size container shall be 68

kilograms (150 pounds). Each container shall be subjected to one free fall on each of its eight corners from a height of 610 millimeters (24 inches). The container shall be positioned for the drop test with two diametrical corners in a vertical line and shall be dropped on any unyielding surface. The container or fastenings shall not show signs of failure as a result of this test. The lid shall be opened and closed and shall be functional after the drop test.

4.6.2 Handle test. One container of each size shall be subjected to a handle test. The load of 68 kilograms (150 pounds) shall be retained in the container, the long dimension of the container shall be vertical, and the handle shall be at right angles to the end of the container. Neither of the handles shall fail or pull loose from the container when the container is lifted vertically by the handle while in the position indicated.

4.6.3 Environmental tests. The containers of one box set shall be subjected to tests in accordance with the applicable procedures of MIL-STD-810. The lids of the containers shall be closed when subjected to all tests. A different container shall be subjected for each environmental test. In the event that test facilities are inadequate for the testing of the larger containers, additional smaller containers may be submitted for the environmental testing. Following each test, the containers shall be capable of being opened and closed with ease and shall show no signs of mechanical failure, loss of protective coatings, or separation or disintegration of gasket material.

4.6.3.1 Low temperature. One container shall be subjected to a low temperature test in accordance with MIL-STD-810, Method 502.2, Procedure I, except that a -40°C (-40°F) temperature will be substituted. The dummy test load shall be placed in the container (see 4.6.1) prior to placing the container in a test chamber. At the end of the exposure period, the container shall be inspected to determine compliance with 4.6.3 and shall be drop tested in compliance with 4.6.1. The drop test shall be performed within 20 minutes of removal of the container from the test chamber. No failure shall result to the container or to the fastenings.

4.6.3.2 High temperature. One container shall be subjected to a high temperature test in accordance with MIL-STD-810, Method 501.2, Procedure I, except that a 60°C (+140°F) temperature will be substituted. The dummy test load shall be placed in the container (see 4.6.1) prior to placing the container in a test chamber. At the end of the exposure period, the container shall be inspected to determine compliance with 4.6.3 and shall be drop tested in compliance with 4.6.1. The drop test shall be performed within 20 minutes of removal of the container from the test chamber. No failure shall result to the container or to the fastenings.

4.6.3.3 Humidity. One container shall be subjected to a humidity test in accordance with MIL-STD-810, Method 507.2, Procedure I for 10 cycles (240 hours). Only minor corrosion shall result (see 4.6.3.4.1). The container shall be weighed prior to the test and shall be wiped dry of exterior moisture at the conclusion of the test. The container shall be reweighed prior to opening. The gain in weight shall be less than five percent of the initial weight of the container. The container shall then be inspected to determine compliance with 4.6.3.

4.6.3.4 Salt fog test. One container shall be subjected to a salt fog test in accordance with MIL-STD-810, Method 509.2, Procedure I. At the conclusion of this test, the container shall be inspected to determine compliance with 4.6.3.

4.6.3.4.1 Minor corrosion. "Minor corrosion" shall be construed to mean minor streaking or staining which would in no way interfere with the operation of the container lid or with normal utility of the container and shall not be present on the interior of the container.

4.6.4 Vibration test. One container of each size shall be subjected to vibration testing in accordance with FED-STD-101, Method 5019. A dummy load of 68 kilograms (150 pounds) shall be equally distributed within the container. At the end of the test, the container and any fastenings shall show no signs of failure or loosening as a result of this test.

4.7 Inspection of packaging. The sampling and inspection of the packing for shipment and storage shall be in accordance with the quality assurance provisions of the applicable container specification shown in Section 5. The inspection of marking for shipment and storage shall be in accordance with MIL-STD-129. The inspection of commercial packaging shall be as specified in the contract (see 6.2).

5. PACKAGING

5.1 Preservation. Not applicable.

5.2 Packing. Packaging requirements for the desired level of protection shall be as specified in the acquisition documents (see 6.2). If requirements are not specified, packing shall be in accordance with ASTM D 3951.

5.3 Marking.

5.3.1 Military marking. In addition to any special marking required by the contract or purchase order, marking of the exterior container shall be in accordance with MIL-STD-129.

5.3.2 Commercial marking. In addition to any special marking required by the contract or purchase order, the marking of the shipping container shall be in accordance with ASTM D 3951.

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 Type MG-1A box set covered by this specification is intended for use by military organizations for shipping and storage of organizational equipment not to exceed 68 kilograms (150 pounds) per box.

6.2 Acquisition requirements. Acquisition documents must specify the following:

a. Title, number, and date of the specification.

b. Issue of DODISS to be cited in the solicitation and, if required, the specific issue of individual documents referenced (see 2.1.1).

c. Class and size required (see 1.2 and table I)

d. Level A or commercial packing (see 5.2).

e. Military or commercial marking (see 5.3.1 and 5.3.2).

f. When first article test sample is required (see 3.1, 4.3.1, and 6.2.2).

6.2.1 Moisture resistance. Where a high degree of moisture resistance is required, the user should specify a class 2 (overlaid plywood) box. For all normal uses, however, a class 1 (A-C plywood) box will generally be suitable.

6.2.2 First article test sample. When first article inspection is required, the contracting officer should provide specific guidance to offerors whether the item(s) should be a preproduction sample, a first article sample, a first production item, a sample selected from the first 10 production items, or a standard production item from the contractor's current inventory (see 3.1), and the number of items to be tested as specified in 4.3.1. The contracting officer should also include specific instructions in the acquisition documents regarding arrangements for examinations, approval of first article test results, and disposition of first articles. Invitations for bid should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product which has been previously acquired or tested by the Government and that bidders offering such

products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract. Bidders should not submit alternate bids unless specifically requested to do so in the solicitation.

6.2.3 Disposability. Refer to material specifications or the preparing activity for recommended disposability methods.

6.3 Definitive specification part number. The specification part number is a definitive part number which will be formulated to identify each item covered by this specification. The part number will be formulated by selecting from the requirement options available in this specification as follows:

Definitive Specification Part Number M8111 - X - X

Military Specification Number

Class Designator (see 6.3.1)

Size Designator (see 6.3.2)

6.3.1 Class designator. The class designator will be a one position field used to designate the required class of box (see table IV).

TABLE IV. Class designator.

Class Designator	Remarks
1	Constructed from A-C plywood
2	Constructed from overlaid plywood

6.3.2 Size designator. The size designator will be a one position field used to designate the required size of box (see table I & figure 1).

Sample Part Number M8111 - 1 - II

Military Specification Number

Class 1 (A-C plywood)

Size (883 x 489 x 422)

6.4 Ordering information. At the time of this revision, NSN 8115-00-290-6016 was assigned to the class 1 plywood box set. Using activities should verify this stock number before ordering.

6.5 Subject term (key word) listing.

Container
Overlay panel
Plywood
Protective coating

6.6 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.

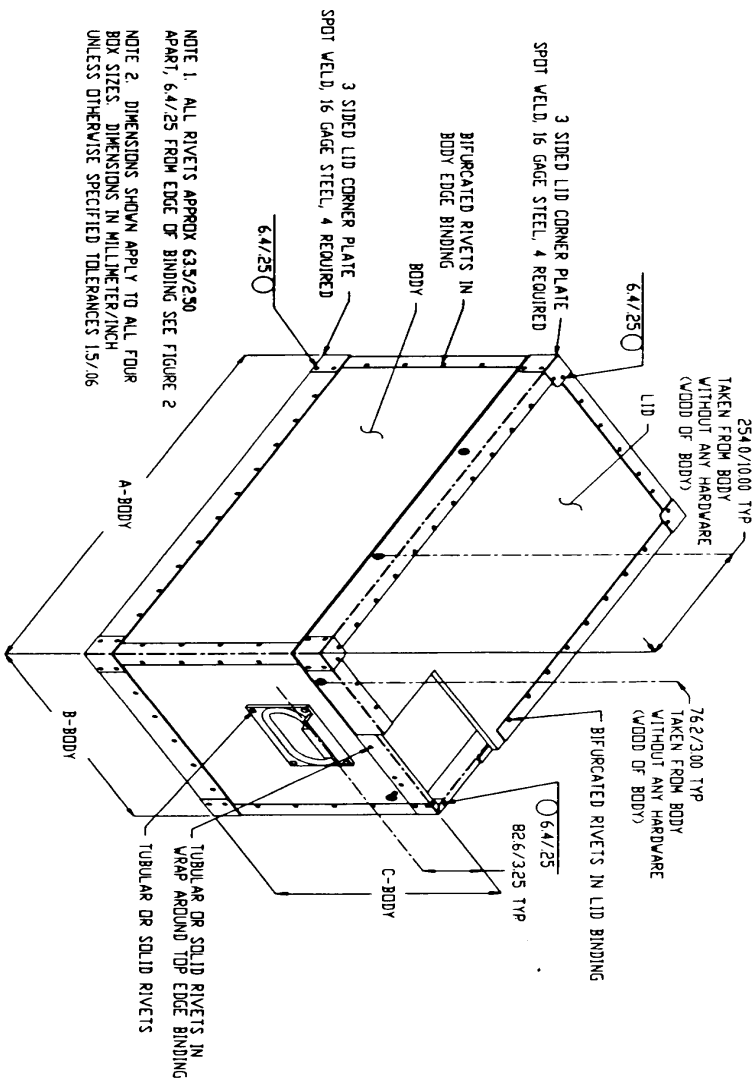


FIGURE 1. Container assembly

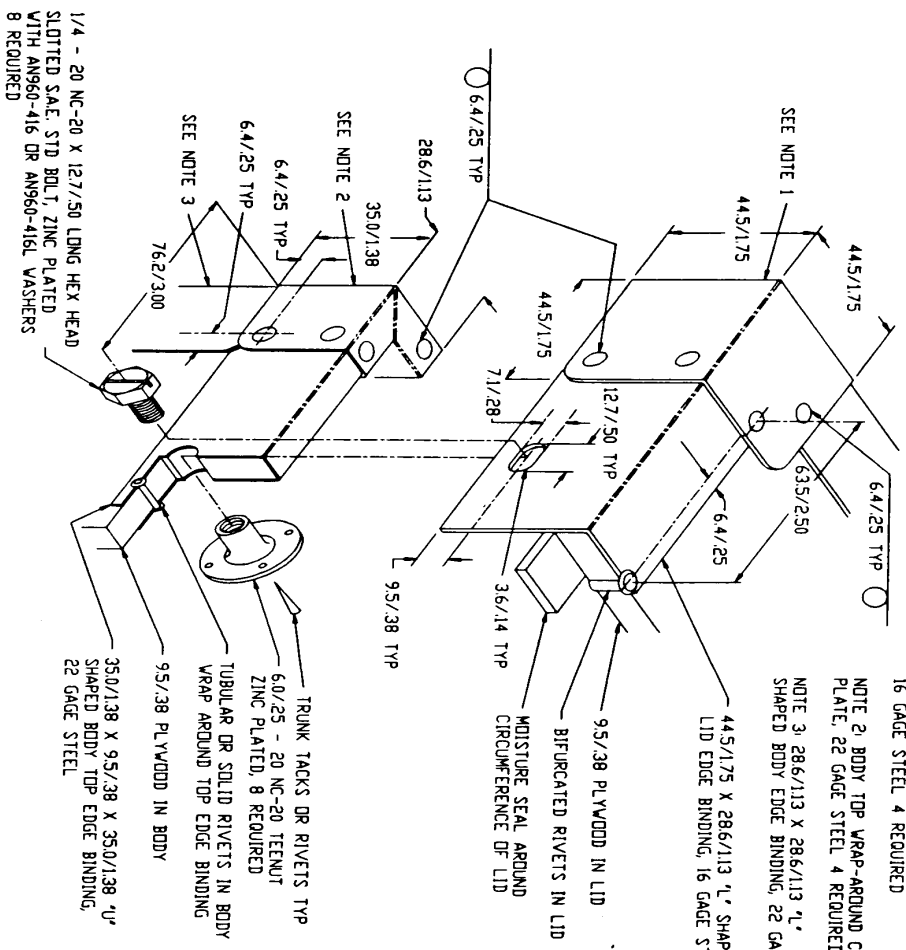
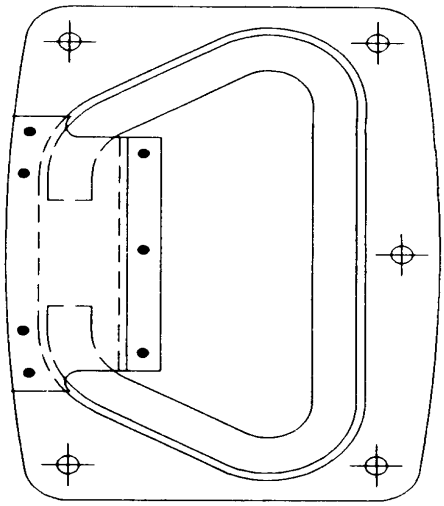


FIGURE 2. Container sub-assembly.



NOTE: HANDLE CHARACTERISTICS:

A. HANDLE SHALL FOLD DOWN FREELY AGAINST THE SIDE OF THE CONTAINER WHEN NOT IN USE AND STOP OPEN AT APPROXIMATELY 90° WHEN EXTENDED.

B. THE GRIP DIAMETER SHALL BE NOT LESS THAN 12 mm (1/2"), THE CLEAR INSIDE DIMENSION SHALL NOT BE LESS THAN 108 mm (4-1/4") IN LENGTH AND 50 mm (2") IN DEPTH.

C. EACH HANDLE SHALL BE CAPABLE OF SUPPORTING A STATIC LOAD OF 68 KILOGRAMS (150 POUNDS) BY SINGLE - POINT SUSPENSION (SEE 3.6.1B AND 3.6.2E).

FIGURE 3. Shipping case handle assembly (drawing 44B9598 or equal).

Custodian:
Air Force - 69

Review activities:
Air Force - 84, 99

Preparing activity:
Air Force - 69

(Project 8115-F501)