

INCH-POUND

MIL-PRF-32038A

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SUPERSEDING

MIL-PRF-32038

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PERFORMANCE SPECIFICATION

SHIPBOARD FURNITURE, FIXTURES, FITTINGS, AND ACCESSORIES

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

1. SCOPE

1.1 Scope. This specification covers requirements for furniture, fixtures, fittings, and accessories for use aboard U.S. Navy ships. The term furnishings used herein applies to items covered by this specification.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4, or 5 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

FEDERAL STANDARDS

FED-STD-595/26586 - Gray, Semigloss

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-S-901 - Shock Tests, H.I. (High-Impact); Shipboard Machinery, Equipment and Systems, Requirements for

MIL-PRF-24712 - Coatings, Powder (Metric)

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-1623 - Fire Performance Requirements and Approved Specifications for Interior Finish Materials and Furnishings (Naval Shipboard Use)

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Comments, suggestions, or questions on this document should be addressed to: Commander, Naval Sea Systems Command, ATTN: SEA 05M2, 1333 Isaac Hull Avenue, SE, Stop 5160, Washington Navy Yard DC 20376-5160 or emailed to CommandStandards@navy.mil, with the subject line "Document Comment". Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <http://assist.daps.dla.mil>.

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2.2.2 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 of these documents are those cited in the solicitation or contract.

S9600-AD-GTP-010 - U.S. Navy Shipboard Furniture Catalog

(Copies of this document are available from the Naval Surface Warfare Center, Philadelphia Naval Business Center, Habitability Section, Code 9783, Philadelphia, PA 19112-5083, or online at <https://90machinery.navsses.navy.mil/habitability>.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

ASTM INTERNATIONAL

ASTM A167	-	Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
ASTM A480/A480M	-	General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip
ASTM F1166	-	Standard Practice for Human Engineering Design for Marine Systems, Equipment, and Facilities
ASTM F1178	-	Specification for Enameling System, Baking, Metal Joiner Work, and Furniture

(Copies of these documents are available from ASTM International, 100 Barr Harbor Dr., PO Box C700, West Conshohocken, PA 19428-2959 or online at www.astm.org.)

2.4 Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein (except for related specification sheets), 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 in accordance with 4.1.

3.2 U.S. Navy Shipboard Furniture Catalog. Unless otherwise specified herein, furnishings shall meet the dimension, weight, material, configuration, and feature requirements of the U.S. Navy Shipboard Furniture Catalog. Other furnishings not included in the U.S. Navy Shipboard Furniture Catalog shall be in accordance with the requirements specified herein and will be reviewed and approved by NSWCCD 974. Specific details and style of hardware are subject to the manufacturer's development. In the event of a conflict between requirements of this specification and the item depicted in the U.S. Navy Shipboard Furniture Catalog, the U.S. Navy Shipboard Furniture Catalog shall take precedence.

3.3 Materials. Materials shall meet the fire performance requirements of MIL-STD-1623.

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3.4 Design and interface requirements.

3.4.1 Furnishings. Furnishings shall pass through a 26-inch (660-millimeter) by 66-inch (1676-millimeter) opening that has 8-inch (203-millimeter) radius corners. Furnishings for submarines shall pass through a 25-inch (635-millimeter) diameter opening. If a furnishing cannot pass through the aforementioned openings, the furnishing shall be capable of disassembly to allow passage through the openings. Where vertical supports are attached between decks that are subject to deck deflection, the tops of those supports shall be provided with slip joints. Legs shall be adjustable to conform to irregular decks and for leveling the furnishing. Furnishings shall preclude the harboring of vermin in inaccessible locations. Sheet metal shall be suitably stiffened to preclude buckling and oil canning.

3.4.2 Subbases. Deck-mounted furnishings without legs shall be installed on an enclosed, splashproof subbase assembly with suitable means for attachment to the deck. The subbase assembly shall be configured to prevent inaccessible voids along the back and sides of the furnishing. The subbase assembly shall provide a covering for the deck attachment and shall be adjustable for slope and irregularities in the deck. Type, size, and configuration of the subbase assembly shall be as specified (see 6.2).

3.5 Additional design and interface requirements.

3.5.1 Joining of parts and subassemblies. Welding shall increase strength and rigidity of furnishings and shall not be used as a temporary means of fastening. Rivets shall not impair the appearance or function of the item. Fasteners used for mounting hardware or bolting subassemblies shall not loosen or become free when subjected to shipboard vibration. Adhesive bonding shall be in accordance with manufacturer's instructions. Any applications of non-metallic parts or adhesives that may contribute to the structural integrity or shipboard attachment of an item, shall be specifically approved by NAVSEA, with consideration given to such issues as performance in an environment with shock, vibration, fire, or elevated temperatures.

3.5.2 Finish. Furnishings to be painted with baking enamel shall be cleaned, pretreated, and painted in accordance with ASTM F1178. Furnishings finished with epoxy powder shall be finished in accordance with MIL-PRF-24712, Type 1, Class 1 for interior located furnishings, and Type 1, Class 3 for exterior located furnishings. Except for stainless steel, glass, high pressure plastic laminate (HPPL), and bronze, accessible parts and surfaces of furnishings shall be finished before final assembly. Stainless steel furnishings shall not be painted. Stainless steel furnishings shall be provided with a number 4 finish in accordance with ASTM A480/A480M. Exposed hardware items of brass shall be satin-finished nickel-plated. Aluminum hardware shall be anodized clear. Hardware fasteners shall match hardware in finish. Stainless steel shall be in accordance with ASTM A167, Type 304.

3.5.3 Color. Unless otherwise specified (see 6.2), the color of furnishings shall be number 26586 (gray), in accordance with FED-STD-595/26586.

3.5.3.1 HPPL color. Unless otherwise specified (see 6.2), the HPPL color for desk tops, computer workstation tops, counter tops, study carrel tops, and tops of tables located within libraries, shall be a light to medium shade to minimize the brightness contrast between the tops, computer video displays, and the printed or writing materials used on them. Unless otherwise specified (see 6.2), the HPPL color for table tops located within messrooms, lounges, recreation spaces, and living spaces shall be saturated colors, prominent wood grain, or patterns.

3.5.4 Locks, keys, and latches.

3.5.4.1 Locks. When specified (see 6.2), locks shall be provided.

3.5.4.2 Keys. Three keys shall be provided for furnishings fitted with locks. When a furnishing has two or more locks keyed differently, three keys shall be provided with each key change.

3.5.4.3 Latches. Latches shall be the positive type and shall be provided to prevent doors and drawers from accidentally opening during ship motion. Devices such as spring, bullet, magnetic, and bayonet-type latching devices shall not be used.

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3.5.5 Doors. Doors shall be provided with a positive latching system. Doors shall be provided with a lever handle and keeper that will accept a padlock. The lever handle and keeper shall be vertically centered on locker doors. Doors shall be capable of opening not less than 90 degrees. Doors 24 inches (610 millimeters) wide by 30 inches (762 millimeters) long or larger shall be provided with stay arms to prevent the door from opening greater than 90 degrees and retain the door in the 90 degree open position.

3.5.5.1 Astragal. Double doors shall have an astragal attached to the interior of the opposing hand door to prevent objects from exiting or entering between doors and to ensure secure closure by one door only.

3.5.5.2 Louvers. Louvers shall be provided in doors as shown in the U.S. Navy Shipboard Furniture Catalog. Louvers shall permit airflow through the furnishing. Louvers shall be centered horizontally on each door. Louvers shall not protrude greater than $\frac{5}{16}$ inch (8 millimeters) past the furnishings' envelope dimensions to prevent dust or water from entering into the unit from above.

3.5.6 Cardholders. When specified in the contract, a cardholder that accommodates a $1\frac{5}{8}$ -inches by $3\frac{1}{8}$ -inches (41-millimeter by 79-millimeter) card shall be in accordance with the U.S. Navy Shipboard Furniture Catalog.

3.5.7 Drawers. Drawer fronts shall be fitted in drawer recesses with a space of approximately $\frac{1}{16}$ inch (2 millimeters) equidistant between stationary members and the periphery of the drawer fronts. Drawers shall be provided with a latch-activating device for pulling the drawer open and a positive means of latching the drawer closed. The device that activates the latch mechanism shall be located to permit opening of the drawer with one hand.

3.5.7.1 Drawer pulls and latches. Provide one drawer pull for drawers 30 inches (762 millimeters) wide and smaller and two drawer pulls for drawers greater than 30 inches (762 millimeters) wide. A latch-activating device shall be provided adjacent to the drawer pull (see 3.5.7). For drawers 30 inches (762 millimeters) wide and smaller, drawer pulls shall be centered vertically and horizontally on the drawer face. For drawers greater than 30 inches (762 millimeters) wide, drawer pulls shall be vertically centered on the drawer face and not greater than 6 inches (152 millimeters) from the face ends.

3.5.8 Drawer runners. Drawer runners shall be the full extension type. Runners shall be provided with rubber-cushioned in and out stops, and shall be fitted with a quick-acting front trigger release drawer disconnect. The depth of the unit in which they are installed minus 2 inches (51 millimeters) shall be the length of the runner.

3.5.9 Marking. Furnishings shall be provided with a label plate in an inconspicuous location, not normally visible. The label plate shall be permanently marked on a non-corrosive material, with a minimum of $\frac{1}{8}$ -inch (3-millimeter) high letters and inscribed with the following information:

- a. Manufacturer's identification.
- b. Contract or order number and date of manufacture.
- c. The U.S. Navy Shipboard Furniture Catalog page number; and type, size, style, and class data.

3.6 Performance characteristics.

3.6.1 Environmental conditions. Furnishing shall be operable at local temperatures between 32 °F (0 °C) and 122 °F (50 °C) at a relative humidity not greater than 95 percent.

3.6.2 Shock. When specified (see 6.2), furnishings shall meet the shock requirements of MIL-S-901. For items required to meet Grade A shock, minor physical damage to the tested item, such as small cracks, minor yielding of structure, out-of-tolerance clearances, and similar damage is acceptable unless such damage causes unacceptable impairment of equipment performance, results in a hazard, or results in substantially shortened equipment useful life. For items required to meet Grade B shock, the shock tested item, portions thereof, or the contents therein shall not come adrift due to exposure to shock.

3.6.3 Vibration. Movable components such as doors, drawers, sliding shelves, drop leaves, hinged mechanisms, and latches shall operate freely. They shall be sufficiently snug to prevent rattle of parts and be free from galling during ship vibration.

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3.6.4 Motion. Movable components, such as doors, drawers, sliding shelves, drop leaves, hinged mechanisms and latches, shall operate as intended at the following combinations of permanent and cyclic ship inclination in degrees displacement from horizontal:

- a. List of 15 degrees and trim of 5 degrees.
- b. List of 15 degrees and symmetrical pitching of 10 degrees.
- c. Symmetrical rolling of 45 degrees and trim of 5 degrees.
- d. Symmetrical rolling of 45 degrees and symmetrical pitching of 10 degrees.

3.6.5 Physical characteristics. Physical characteristics, such as size, component configuration, and weight shall be in accordance with the U.S. Navy Shipboard Furniture Catalog and as specified below. When indicated in the U.S. Navy Shipboard furniture catalog, drawings or specifications shall be used.

3.6.5.1 Dimensional tolerance. Unless otherwise indicated, the dimensional tolerance of furnishings shall be within $\pm \frac{1}{16}$ inch (2 millimeters) of the dimensions shown in the U.S. Navy Shipboard Furniture Catalog.

3.6.5.2 Weight of furnishings. The weight of furnishings shall not be greater than 105 percent of the weight shown in the U.S. Navy Shipboard Furniture Catalog.

3.6.6 Appearance. Furnishings shall be clean and free of defects that affect appearance, such as burrs, slivers, sharp edges, rough tool or grind marks, pitting, staining, blistering, flaking, peeling, or discoloration of the exposed surfaces. Furnishings shall be free of film, foreign matter embedded in the finish, a painted surface that has sags or runs, and parts that are fractured, buckled, bent, punctured or malformed.

3.6.7 Top and edge protection. Unless otherwise specified (see 6.2), tops of furnishings, such as desks, computer workstations, counters, study carrels, and tables shall be covered with HPPL. HPPL grain pattern shall be installed parallel to the front of the furnishings. Top covering shall be thoroughly bonded to the substrate, free from blisters and air bubbles. A means shall be provided to protect the edge of tops from delaminating and chipping. Corners of tops shall have a minimum $\frac{3}{4}$ -inch (19 millimeters) radius.

3.6.8 Sides and backs. Sides and backs of furnishings shall be free of projections.

3.7 Load requirements.

3.7.1 Body construction. The body of furnishings shall support a vertical load of 100 pounds (45 kilograms) applied to the upper corner of a tilted unit.

3.7.2 Legs. Legs shall support a vertical load of 150 pounds (68 kilograms) applied to the upper corner of a tilted furnishing.

3.7.3 Tops. Tops of lockers and cabinets shall support a vertical load of 150 pounds (68 kilograms). Tops of desks, tables, and counters shall support a vertical load of 300 pounds (136 kilograms).

3.7.4 Subbases. Furnishings secured to a subbase shall support a lateral force of 200 foot-pounds (890 Newtons) applied to the upper front portion of the furnishings.

3.7.5 Drawers. File drawers shall support a vertical load of 68 kilograms (150 pounds). Stowage aid drawers shall support a vertical load of 400 pounds (181 kilograms). Drawers, other than file and stowage aid drawers, shall support a vertical load of 85 pounds (39 kilograms).

3.7.6 Drawer latches. Drawers shall remain latched when loaded with a load of 50 pounds (23 kilograms) and tilted 30 degrees from the vertical with the drawers facing down.

3.7.7 Drop leaf and sliding shelves. Drop leaf and sliding shelves, including sliding keyboard shelves, shall support a vertical load of 200 pounds (91 kilograms).

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3.7.8 Doors. Doors with a vertical length of not greater than 36 inches (914 millimeters) shall support a vertical load of 100 pounds (45 kilograms) applied to the latch edge of the door. Doors with a vertical length of greater than 36 inches (914 millimeters) shall support a vertical load of 150 pounds (68 kilograms) applied to the latch edge of the door.

3.7.9 Door latches. Doors shall remain latched when the door pull is subjected to a horizontal pull force of 50 foot-pounds (222 Newtons).

3.8 Ergonomics and human engineering. The design and manufacture of furnishings shall be in accordance with ASTM F1166, and shall be suitable for use by male and female personnel from the 5th to the 95th percentile.

4. VERIFICATION

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

- a. First article inspection (see 4.2).
- b. Conformance inspection (see 4.3).

4.2 First article inspection. First article inspection shall be performed on each item of furnishing when a first article sample is required (see 3.1). This inspection shall include the tests of table I.

4.3 Conformance inspection. Conformance inspection shall include the tests of table I.

4.4 Visual inspection and physical examination. Each item of furnishing shall be examined for compliance with the requirements specified in 3.3 through 3.8. Any redesign or modification of the contractor's standard product to comply with specified requirements or any necessary redesign or modification, following failure to meet the specified requirements, shall receive particular attention for adequacy and suitability.

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TABLE I. First article and conformance inspections.

Inspection	Requirement paragraphs	Test procedure paragraphs	First article test	Conformance test
Fire performance	3.3	4.4.8	X	
Design and interface requirements	3.4 and 3.5	4.4	X	X
Environmental conditions (temp)	3.6.1	4.4.1	X	
Shock	3.6.2	4.4.2	X	
Vibrations (snug)	3.6.3	4.4.3	X	X
Motions	3.6.4	4.4.4	X	
Physical characteristics	3.6.5	4.4.5	X	X
Appearance	3.6.6	4.4.6	X	X
Top and edge protection	3.6.7	4.4.6.1	X	X
Sides and backs	3.6.8	4.4.6.2	X	X
Body construction (load)	3.7.1	4.4.7.1	X	
Legs (load)	3.7.2	4.4.7.2	X	
Tops (load)	3.7.3	4.4.7.3	X	
Subbases (load)	3.7.4	4.4.7.4	X	
Drawers (load)	3.7.5	4.4.7.5	X	
Drawer latches (load)	3.7.6	4.4.7.6	X	
Drop leaf and sliding shelves (load)	3.7.7	4.4.7.7	X	
Doors (load)	3.7.8	4.4.7.8	X	
Door latches (load)	3.7.9	4.4.7.9	X	

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4.4.1 Environmental conditions. Furnishings shall be inspected to ensure compliance with the temperature and relative humidity requirements.

4.4.2 Shock. When specified (see 6.2), furnishings shall be subjected to shock tests of MIL-S-901.

4.4.3 Vibration. Furnishings shall be inspected to ensure movable components operate freely, fit snugly to prevent rattle, and are free from galling.

4.4.4 Motion. Movable components shall be tested by the application of a static equivalent load. Furnishings shall be mounted at the permanent angles of list and trim, specified in 3.6.4, along each axis in trim to simulate mounting longitudinally and athwartships. A static load shall then be applied to the movable components equal to the weight of the component and its contents to simulate the dynamic load, due to rolling and equal to one half the weight of the component and its contents to simulate the dynamic load due to pitching as specified in 3.6.4. The load shall be applied to the movable components in the appropriate directions, parallel to the base of the furnishing, for a duration not less than 5 minutes. Each of the combinations of permanent and cyclic ship inclinations of 3.6.4 shall be tested.

4.4.5 Physical characteristics. Furnishings shall be inspected to ensure that the physical characteristics such as size, configuration, and weight are in accordance with the requirements of the U.S. Navy Shipboard Furniture Catalog.

4.4.6 Visual inspection. Furnishings shall be visually inspected to ensure that there are no defects that affect appearance.

4.4.6.1 Top and edge protection. Furnishings shall be inspected to ensure that the top covering is thoroughly bonded to the substrate and free from blisters and air bubbles, and to ensure that methods for protecting the edges are provided.

4.4.6.2 Sides and backs. Furnishings shall be visually inspected to ensure that the sides and backs are free of projections.

4.4.7 Load test procedures.

4.4.7.1 Body construction. The load specified in 3.7.1 shall be applied to the upper corner of a tilted unit as shown on figure 1, test A. The unit shall be tilted such that the opposite upper and lower corners are diagonal from each other and in line with the load. If provided, doors shall be open or removed, and drawers and sliding shelves shall be removed. The load shall remain in this position for not less than 5 minutes. There shall be no indication of permanent set after removal of the load; and doors, drawers, and sliding shelves shall operate freely and latch as intended.

4.4.7.2 Legs. The load specified in 3.7.2 shall be applied to the upper corner of a tilted unit as shown on figure 1, test A. The unit shall be tilted such that the top corner and the opposite legs are diagonal. If provided, doors shall be open or removed, and drawers and sliding shelves shall be removed. The load shall remain in this position for not less than 5 minutes. There shall be no permanent set or distortion after removal of the load.

4.4.7.3 Tops. The loads specified in 3.7.3 shall be applied to the top as shown on figure 1, test B. If provided, doors shall remain open or be removed and drawers and sliding shelves shall be removed. The load shall remain on the top of the unit for not less than 5 minutes. There shall be no indication of permanent set after removal of the load, and doors, drawers, and sliding shelves shall operate freely and latch as intended.

4.4.7.4 Subbases. The force specified in 3.7.4 shall be applied to the upper front portion of the unit as shown on figure 2, test C. If provided, doors shall be removed or opened and drawers and sliding shelves shall be removed. The force shall remain in this position for not less than 5 minutes. There shall be no indication of distortion after removal of the force, and doors, drawers, and sliding shelves shall operate as intended.

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4.4.7.5 Drawers. The loads specified in 3.7.5 shall be applied to the front edge of the drawer as shown on figure 3, tests E and F. Test E applies to file and stowage aid drawers. Test F applies to drawers other than file and stowage aid drawers. The load shall be applied to the front edge of the drawer. The load shall remain on the drawer for not less than 5 minutes. There shall be no indication of permanent set after removal of the load, and the drawers shall operate freely and latch as intended.

4.4.7.6 Drawer latches. The load specified in 3.7.6 shall be applied and the unit tilted, with the drawers facing down, as shown on figure 2, test D. The drawers shall remain latched for not less than 5 minutes.

4.4.7.7 Drop leaf and sliding shelves. The load specified in 3.7.7 shall be applied as shown on figure 4, test G. The load shall remain in this position for not less than 5 minutes. There shall be no indication of permanent set after removal of the load, and the drop leaf and sliding shelf shall operate freely and close as intended.

4.4.7.8 Doors. The load specified in 3.7.8 shall be applied to the latch edge of the door as shown on figure 4, test H. The load shall remain on the door for not less than 5 minutes. There shall be no indication of permanent set after removal of the load, and the doors shall operate freely and latch as intended.

4.4.7.9 Door latches. The horizontal pull force specified in 3.7.9 shall be applied to the door pull as shown on figure 5, test J. The furnishings shall be clamped to the floor in an upright position.

4.4.8 Materials. Fire performance requirements of MIL-STD-1623 shall be met as specified in 3.3.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

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 furnishings covered by this specification are intended for use aboard U.S. Navy ships.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of the specification.
- b. Title, number, date, type, style, and class data of the U.S. Navy Shipboard Furniture Catalog.
- c. Options as noted in the U.S. Navy Shipboard Furniture Catalog.
- d. If required, the specific issue of individual documents referenced (see 2.3).
- e. First article inspection (see 3.1).
- f. Subbase requirements (see 3.4.2).
- g. Color (see 3.5.3).
- h. Lock, latch, and key requirements (see 3.5.4).
- i. Shock requirements (see 3.6.2).
- j. Packaging (see 5.1).
- k. Installation procedures (see 6.3).
- l. Illustration and associated data requirements for knockdown constructed assemblies, if required (see 6.3).

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6.3 Data requirements. When specified (see 6.2), illustrations should be provided, detailing the installation methods of furnishings. Illustrations should be provided showing the assembly of knockdown constructed furnishings.

6.4 Supersession data. This specification superseded MIL-F-902 and MIL-F-243.

6.5 Existing drawings. Existing NAVSEA Hull Type and Standard Drawings may be used for guidance in manufacturing shipboard furnishings.

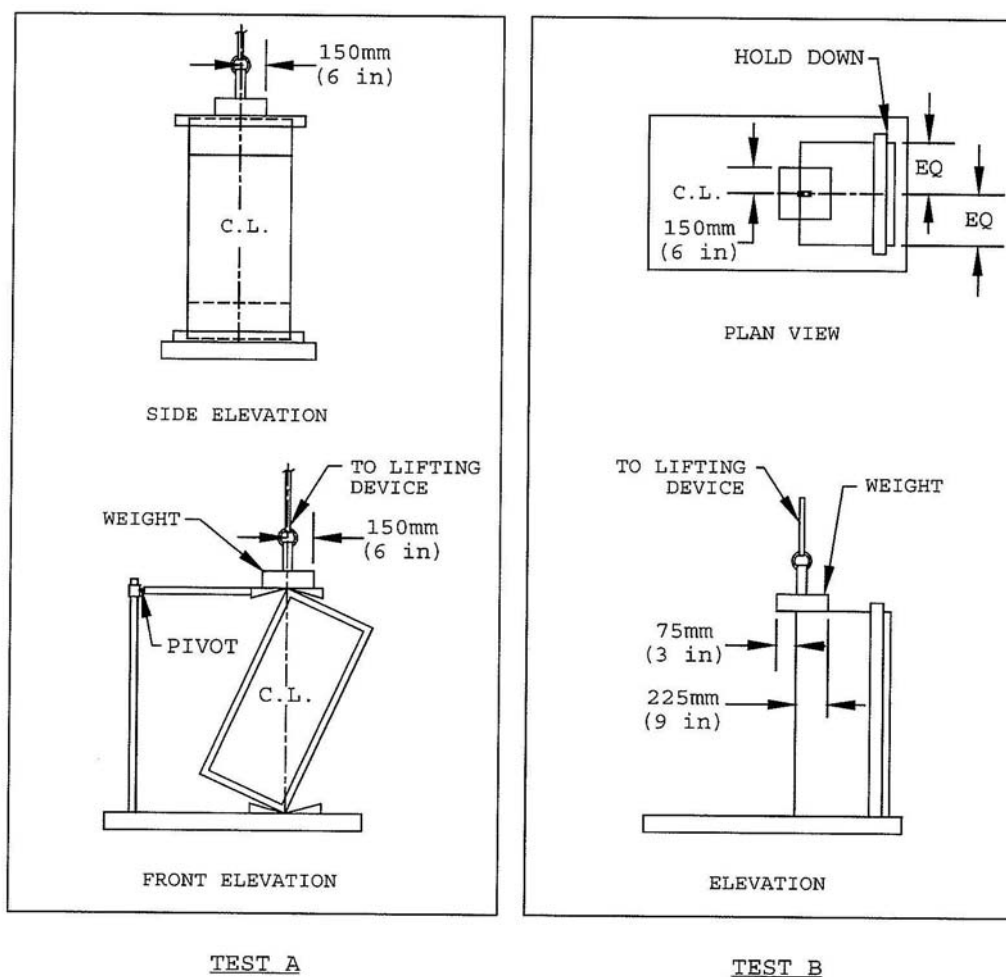
6.6 Furniture construction details. Furniture, Metal, Construction Details, Drawing 803-5959310, illustrates design features, construction details, and material requirements for manufacturing shipboard furnishings.

6.7 Subject term (keyword) listing.

Furnishing

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

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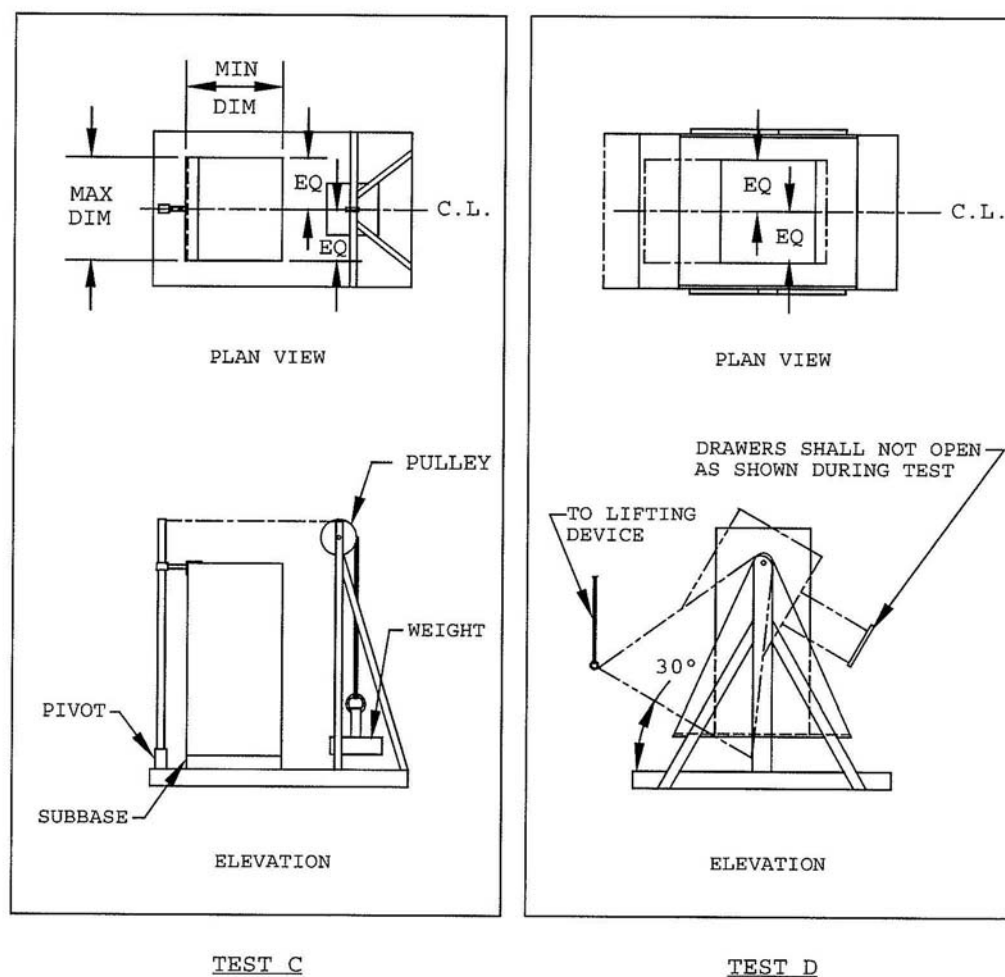


Size of the weight at base should be 305 x 305 mm (12 x 12 inches).

TEST		BODY, TOP, AND LEGS	TEST WEIGHT kg (lb)
A	1	Body of furnishings	45 (100)
	2	Legs and furnishings	68 (150)
B	1	Locker and cabinet tops	68 (150)
	2	Desk, table and counter tops	136 (300)

FIGURE 1. Load tests A and B.

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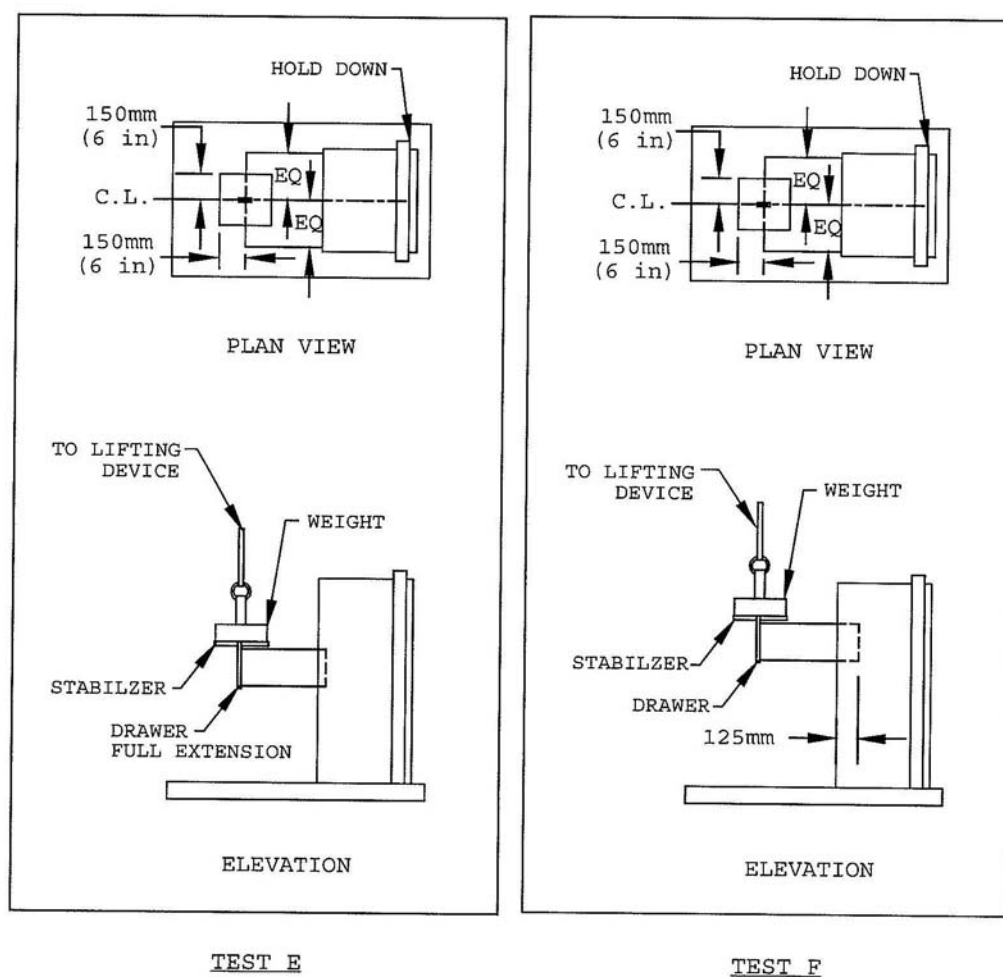


Size of the weight at base should be 305 x 305 mm (12 x 12 inches).

TEST		SUBBASES AND DRAWER LATCHES	TEST WEIGHT	
			N (lbf)	kg (lb)
C	1	Deck mounted furnishings provided with a subbase	890 (200)	—
D	1	Drawer latches	—	23 (50)

FIGURE 2. Load tests C and D.

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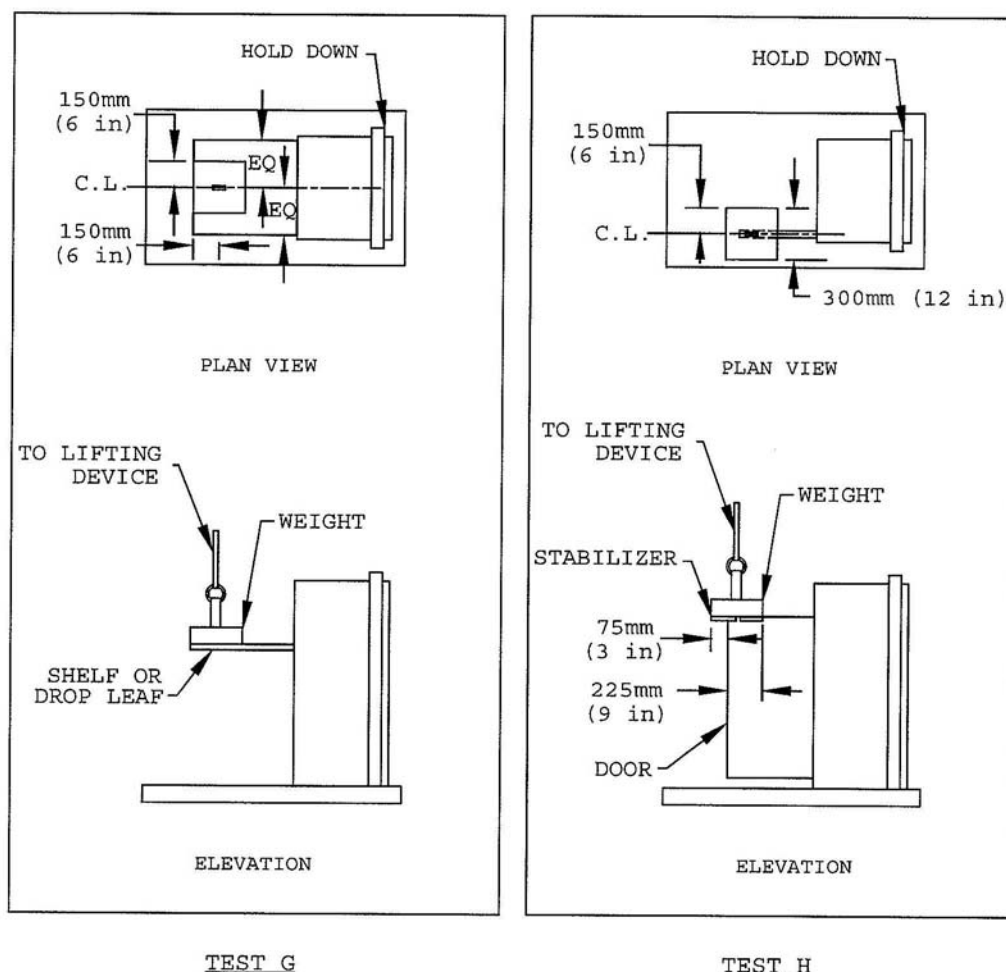


Size of the weight at base should be 305 x 305 mm (12 x 12 inches).

TEST		DRAWERS	TEST WEIGHT kg (lb)
E	1	File drawers	68 (150)
	2	Stowage aid drawers	181 (400)
F	1	Drawers other than file and stowage aid drawers	39 (85)

FIGURE 3. Load tests E and F.

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TEST G

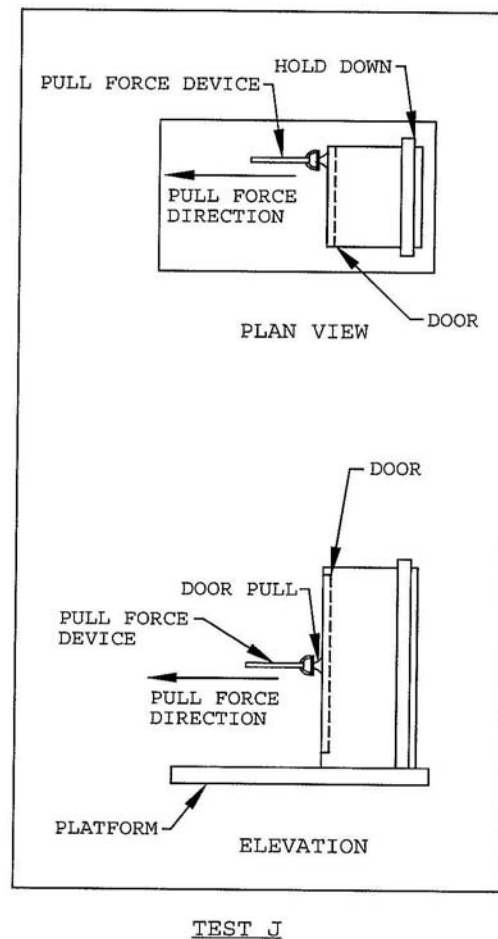
TEST H

Size of the weight at base should be 305 x 305 mm (12 x 12 inches).

TEST		DROP LEAF, SLIDING SHELVES AND DOORS	TEST WEIGHT kg (lb)
G	1	Drop leaf and sliding shelves	91 (200)
H	1	Doors not greater than 914 mm (36 in) long	45 (100)
	2	Doors greater than 914 mm (36 in) long	68 (150)

FIGURE 4. Load tests G and H.

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TEST		DOOR LATCHES	TEST WEIGHT N (lbf)
J	1	Door latches	222 (50)

FIGURE 5. Load test J.

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Custodians:

Army – AV
Navy – SH
Air Force – 99

Preparing Activity:

Navy – SH
(Project 2090-2007-003)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.