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[INCH-POUND]
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SUPERSEDING
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COMMERCIAL ITEM DESCRIPTION

CABINET, STORAGE; WARDROBE, THREE DRAWER

The General Services Administration has authorized the use of this commercial item description for all Federal agencies.

1. SCOPE. This commercial item description covers one type and size three-drawer storage cabinet, for use with wardrobes in enlisted and officer personnel quarters.

2. SALIENT CHARACTERISTICS.

2.1 Design. Each cabinet shall consist essentially of three drawers, two sides, back, top, and necessary framework. The cabinet overall dimensions shall be 20-inch (508 millimetre (mm)) depth, 18-inch (457 mm) width, and 25-inch (635 mm) height. Drawer overall inside dimensions shall be 16-inch (406 mm) depth, 14.75-inch (375 mm) width, and 5-inch (127 mm) height.

2.2 Standard commercial product. The cabinet shall, as a minimum, be in accordance with the requirements of this commercial item description and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by this commercial item description but which are a part of the manufacturer's standard commercial product, shall be included in the cabinet being furnished. A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Commanding Officer (Code 1581), Naval Construction Battalion Center, 1000 23rd Avenue, Port Hueneme, CA 93043-4301, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 7105

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2.3 Cabinet components. Cabinet component material shall be as follows. Material thickness shall be as shown in table I.

2.3.1 Case.

2.3.1.1 Base. The base shall be solid hardwood with the front and back members full length pieces. The front shall be inset 1.50 inches (38 mm), and the back shall be inset 1.00-inch (25 mm).

2.3.1.2 Sides. The sides shall be particleboard, plywood, or steel extended to the full height of the cabinet, less the top thickness. The front vertical edge of each side shall be covered with one continuous piece of plastic edge molding. The bottom of each side at the back shall be notched to match the inset of the back base, to permit the cabinet to pass over a wardrobe metal frame member.

2.3.1.3 Back. The back shall be plywood or hardboard extended from the cabinet top underside to the bottom of the lower drawer bearer inset. The back shall be inset 1.00-inch (25 mm) deep by 1.50 inches (38 mm) high at the bottom.

2.3.1.4 Top. The top shall be particleboard or plywood. A decorative laminated plastic shall be bonded to the top surface, and a nondecorative laminated plastic to the bottom surface. Plastic self-edging shall be used on the four edges, to match the top and drawer fronts in color and thickness.

2.3.1.5 Drawer bearer frames. The bearer frame front and back members shall be made of solid hardwood, full length pieces. The top bearer frame and the two intermediate bearer frames shall be secured to the cabinet sides with aluminum angles and sheet metal screws. Each of the two intermediate bearer frames shall be further secured with sheet metal screws. The bottom bearer frame shall be rested on the base and fastened thereto with sheet metal screws. As an alternate assembly method, the drawer bearer frames may be routed into the sides securely and permanently glued and further secured with angled sheet metal screws.

2.3.1.6 Laminated plastic sheets. Decorative laminated plastic sheets shall be approximately 0.032-inch (0.81 mm) thick. Pattern, color, and finish shall be as specified (see 6.2). Nondecorative laminated plastic sheets shall be approximately 0.030-inch (0.76 mm) thick.

2.3.1.7 Plastic edge molding. Plastic edge molding shall be provided with a convex face which is smooth, without grooves or other detail. A color shall be provided to match the exterior color of the sides.

2.3.2 Drawers.

2.3.2.1 Fronts. The drawer fronts shall be particleboard or plywood. When wood frame design is used, the inner drawer front shall be solid wood.

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2.3.2.2 Bottoms. The drawer bottoms shall be wood, hardboard, or steel.

2.3.2.3 Frame members, sides, and back. The frame members, drawer sides, and back shall be wood or steel.

TABLE I. Cabinet components - minimum thickness.

Part	Particleboard inch (mm)	Plywood inch (mm)	Solid wood inch (mm)	Hardboard inch (mm)	Steel (gage)
CASE					
Top	0.75 (19)	0.75 (19)	- -	- -	-
Sides	0.75 (19)	0.75 (19)	- -	- -	20
Back	- -	0.25 (6)	- -	0.25 (6)	20
Base	- -	- -	1.50x1.50 (38x38)	- -	-
Drawer Bearer Frame	- -	- -	0.75x1.50 (19x38)	- -	-
Drawer Side Suspension	- -	- -	- -	- -	14
Vertical Stiffeners	- -	- -	- -	- -	20
Cross Rails	- -	- -	- -	- -	18
DRAWER					
Front	0.63 (16)	0.75* (19*)	-	- - -	
Inner Front	- -	- -	0.44 (11)	- -	-
Sides	- -	- -	0.44 (11)	- -	20
Back	- -	- -	0.44 (11)	- -	20
Bottom	- -	0.75 (6)	- -	0.25 (6.35)	20

*Thickness when inner front not used.

2.3.3 Drawer guides.

2.3.3.1 Center guide. For wood drawer bodies, the center guide shall be an all-metal type with an inner and outer track which operates on two sets of ball bearings.

2.3.3.2 Side suspension. For steel drawer bodies, the side suspension shall be an outer and inner channel of 14-gage steel with plastic guide on each side of the drawer. The center section of the outer channel at the rear shall be clipped and bent forward providing a tab-type stop, and the bottom section shall be punched and a two-prong insert-type plastic guide shall be inserted. The inner channel shall be provided with an integral drawer stop and a plastic guide at the rear with a rubber bumper.

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2.3.4 Drawer pulls. Drawer pulls shall be aluminum or steel and fastened to the rear of the drawer front, with not less than three equally spaced sheet metal screws. Drawer pulls shall be rounded to avoid sharp corners.

2.3.5 Drawer alignment. Two drawer stops shall be secured, one at each side of the drawer, to the drawer bearer frame back member to keep the drawer front in alignment, and to prevent marring the finish on the front of the drawer bearer frame member.

2.3.6 Brackets. Two brackets of aluminum or steel shall be provided for securing the base to the wardrobe bottom. The brackets shall be located and secured, one on each side. Additional screws shall be provided for securing the brackets to the wardrobe bottom.

2.4 Bonding. Adhesive shall be applied to joining surfaces in an adequate and uniform manner as recommended by the adhesive manufacturer. The materials shall be clamped and pressed in accordance with the adhesive manufacturer's instructions. Laminated plastic sheets shall be bonded to plywood or particleboard with a urea-resin type adhesive.

2.5 Finishes.

2.5.1 Exposed wood parts. The exterior surfaces of the sides, front edge of the frame members, and the base front edge shall be filled and sanded. Two-coats of a one-component, air-drying, oil-modified, pigmented polyurethane resin coating of the color specified shall be applied (see 6.2). The coating shall have a gloss range of 45 to 65 when measured with a 60 degree glossmeter. The coating shall be applied in accordance with the manufacturer's instructions.

2.5.2 Unexposed wood parts. Unexposed wood parts shall be sealed with a sealer, sanded, wiped clean, and finished with a coat of lacquer. Alternatively, all drawer surfaces, except fronts, may be coated by spraying or dipping into a drawer sealant. The drawer sealant shall be made of a solution of wax and resins with not less than 30 percent nonvolatile matter of which not less than 7 percent is wax. A nongrain-raising sealant shall be used which is substantially colorless and after drying, substantially odorless and nonstaining. Excess sealant shall be drained off. In addition, the drawers running surfaces shall be coated with paraffin to insure ease of operation.

2.5.3 Steel coatings and finish. All cabinet components fabricated from steel shall be treated, coated, and finished as specified below:

2.5.3.1 Primer coatings. All treated components that are to be finish coated shall be given one coat of primer, applied dry-film thickness shall be not greater than 0.7 mil (0.002 mm). The primer shall be baked for not less than 45 minutes at a temperature of 250 degrees Fahrenheit (°F) (121 degrees Celsius (°C)) or an equivalent baking period as recommended by the paint manufacturer.

2.5.3.2 Finish coat. Unless specified by the contracting officer (see 6.2), all treated steel surfaces shall be finished in accordance with 2.5.3.2.1 or 2.5.3.2.2. Paint color shall be as specified (see 6.2).

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2.5.3.2.1 Semi-gloss enamel finish. When the semi-gloss enamel finish is to be applied, all primed surfaces shall be finished with a coat of semi-gloss enamel. The enamel shall be baked for not less than 45 minutes at 250 °F (121 °C) or an equivalent baking period as recommended by the paint manufacturer.

2.5.3.2.2 Thermoset dry-epoxy powder finish. When the dry-epoxy powder finish is to be applied, the epoxy powder shall be epoxy-ester or epoxy-polyester with a specific gravity range of 1.5 to 1.8. The epoxy powder shall be applied with electrostatic airless spray equipment. The metal, curing temperature, curing time, and application voltage shall be as prescribed by the manufacturer of the epoxy powder. The dry-film thickness shall be not less than 1.5 mil (0.04 mm). The epoxy powder shall be Glidden (Pulvalure Epoxy or epoxy-polyester powder), H.B. Fuller (Kativo Epoxy or epoxy-polyester powder), or other equivalent products.

2.5.4 Painted finishes. Painted finishes shall be smooth and without dirt, dust, or other foreign matter embedded. The finishes shall not be discolored, rippled, peeled, have sags or runs. Small scratches or areas of marred finish shall be touched up as necessary to match the surrounding finish. Large areas that are scratched or marred, affecting the appearance of the finish, shall be replaced or the entire component refinished.

3. REGULATORY REQUIREMENTS.

3.1 Materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR). Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this commercial item description are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term “recovered materials” means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this commercial item description.

3.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest version of FED-STD-376B, and all other requirements of this commercial item description including form, fit and function are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

4. QUALITY ASSURANCE PROVISIONS.

4.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer’s own drawings, specifications, standards,

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and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5. PACKAGING. The preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES.

6.1 Source of documents.

6.1.1 Copies of specifications and standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

6.1.2 The Federal Acquisition Regulation (FAR) is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

6.2 Ordering data. Acquisition documents should specify the following:

a. Pattern, color, and finish of plastic laminated sheets (see 2.3.1.6).
b. Color for the cabinet sides, and front frame members (see 2.5.1 and 2.5.3.2).
c. When type of finish coat is to be specified (see 2.5.3.2).

6.3 Subject term (key word) listing.

Cabinet
Particleboard
Storage
Wood

MILITARY INTEREST:

Custodian:

Navy - YD1

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Navy - YD1

(Project 7105-0285)

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

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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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I RECOMMEND A CHANGE:	**1. DOCUMENT NUMBER** A-A-50565	**2. DOCUMENT DATE (YYMMDD)**

3. DOCUMENT TITLE
CABINET, STORAGE; WARDROBE, THREE DRAWER

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 ROBERT J. BRICKEY	b. TELEPHONE *Include Area Code)* (1) Commercial 805-982-5593 (2) AUTOVON 551-5593
c. ADDRESS *(Include Zip Code)* COMMANDING OFFICER, NCBC CODE 1581B 1000 23RD AVENUE PORT HUENEME, CA 93043-4301	**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:** DEFENSE QUALITY AND STANDARDIZATION OFFICE 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22401-3466 Telephone (703) 756-2340 AUTOVON 289-2340