

(METRIC)
A-A-3136
June 15, 1998
SUPERSEDING
AA-C-00556E(GSA-FSS)
July 1, 1993

COMMERCIAL ITEM DESCRIPTION
COSTUMER, WOOD, GENERAL OFFICE

The General Services Administration has authorized the use of this Commercial Item Description for all federal agencies.

1. SCOPE. This commercial item description describes one type and size of a general office wood costumer of KD construction.

2. SALIENT CHARACTERISTICS.

2.1 Design and Construction. The general office wood costumer covered by this CID shall designed to be KD and consist of a pole, two leg members, metal stud, four glides, four hooks and fasteners. The pole and legs shall be shipped KD. The manufacturer shall prepare simple, illustrated assembly directions which shall be packaged with each unit. The overall dimensions shall be 1675 mm high by 610 mm square at the base (plus or minus 6 mm) All wood parts shall be accurately machined to insure an accurate fit and easy assembly with tolerances maintained that provide a tight, rigid unit when assembled. The costumer shall be stable when clothing is hung on any or all of the four faces.

2.2 Components.

2.2.1 Pole shall be 44 mm square over its entire length, laminated of 3 full length/width pieces or be of one solid piece. The top 9 mm shall be beveled on a 45 degree angle on all four sides. Four hooks shall be securely mounted on the faces of the pole.

2.2.2 Leg members shall be as shown in Figure 1, shaped and notched to provide a stable base. They may be of solid or built-up stock.

2.2.3 Wood species are Beech, Birch, Cherry, Maple, Red Alder, Sweetgum, Magnolia or African Mahogany. The wood shall uniformly kiln-dried to a moisture content of from 5 to 8 percent and properly conditioned. It shall be bright, well machined and sanded, free from splits, honeycomb, knots, mineral streaks and other similar defects.

2.2.4 Adhesives. Adhesives used in fabricating the costumer shall be any that will develop an average block shear strength of 19 300 kPa minimum. (4.3.1)

Beneficial comments, recommendations, additions, clarifications, etc. and any other data which may improve this document should be sent to: General Services Administration, Federal Supply Service, National Furniture Center, Washington, D.C. 20406.

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2.2.5 Hardware -

2.2.5.1 Glides. Glides shall be nail type, minimum 32 mm diameter, rubber cushioned with oxidized copper finish.

2.2.5.2 Hooks. The hooks shall be die cast zinc alloy, bronze or brass plated, cast true, free from blow holes or other defects. Each hook shall be fastened with a minimum of two # 8 x 19 mm oval-head brass screws. The upper hook shall support a 355 kg load applied over the knob and the lower hook support a 53 kg load applied over the knob.

3. FINISH.

3.1 The finish shall match the standard Walnut (General Office-FSS-L-01002 laminate sample) in color with a satin finish and meet the test in 4.3.2. It shall be uniform, smooth, with no discoloration, grit, tackiness, peeling, flaking, blistering, cracking, damage or rub through.

3.2 Identification marking. Each costumer shall be permanently and legibly marked in an inconspicuous place with the Federal Stock Number, contract number, date of manufacture and the manufacturer's name or trademark, so that the source of supply may be readily determined.

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, and quality assurance practices, and be the same product offered for sale in the commercial market.

4.2 Inspection Provisions. Details of the first article sample requirements are contained in the solicitation. In addition, approval of the first article sample authorizes the start of production, but does not relieve the contractor of responsibility from conformance with all other applicable provisions of this CID. Inspection requirements are stated in the solicitation.

4.3 Testing.

<u>Component</u>	<u>Characteristic</u>	<u>Reference</u>	<u>Test Method</u>
Adhesive	Block shear test	2.2.4	ASTM D 905-94
Finish	Toughness and adhesion	3.1	4.3.2 herein

4.3.1 Test for Adhesives. Test in accordance with ASTM D 905. Rerun test if the average shear strength of all samples is below 19 300 kPa; there is a 10 percent or greater difference between high and low specimen values, and at least one test specimen broke at more than 19 300 kPa. Disregard a test specimen in computing the average if it breaks at less than 19 300 kPa; and it has 50 percent or more wood failure.

4.3.2 Test for Finish. The toughness and adhesion test shall be made by using Organic Coating Adhesion Tester, US Testing Company, Model Number 1001, in accordance with instructions for using,

as provided for by the manufacturer of the tester (see 6.3). The panel shall be marred both parallel and perpendicular to the grain. The resulting indentation shall be examined for whitening (film separation) or cracking, which is not acceptable. The film shall conform to the contour of the indentation and shall not crack in a brittle manner in or along the indentation. The test shall be made on completely finished wood panels of the same wood as used in production. The finish shall be produced in accordance with production procedures used in producing the costumer.

5. **PACKAGING, PACKING, MARKING.** Preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES.

6.1 Intended Use. The costumer covered by this specification is designed for use in offices furnished with wood general office furniture.

6.2 Ordering data. Purchasers should include the title, number, and date of this, quality assurance provisions, and packaging, packing and marking requirements in procurement documents:

6.3 Organic Coating Adhesion Tester. Information about the Organic Coating Adhesion Tester, Model No. 1001, may be obtained from:

US Testing Company, Inc., Instrument Marketing Division, 1415 Park Avenue, Hoboken, New Jersey 07030

6.4 American Society for Testing Materials (ASTM) Standard:

ASTM D 905 -Standard Method of Test for Strength Properties of Adhesives in Shear by Compression Loading.

Copies may be obtained upon application to American Society for Testing Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.5 Standard sample. Sample panels of the standard color for walnut finish (FSS-L-01002) are obtainable, without charge, from the National Furniture Center, GSA-FSS-3FNE, Washington, DC 20406 .

Preparing Activity:
GSA-FSS

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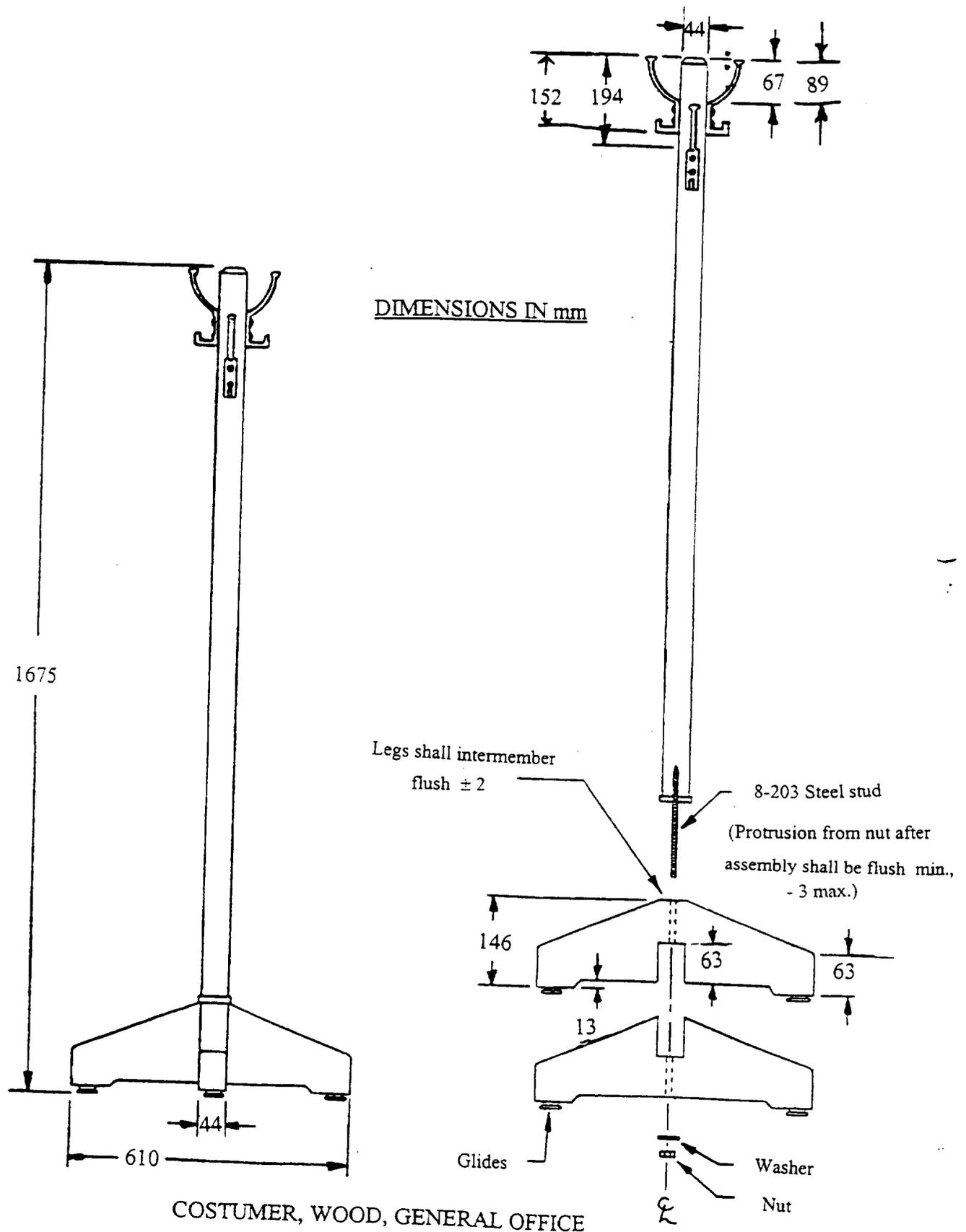


FIGURE 1