

**SPECIFICATION
FOR
DESKS, TEACHER, METAL**

(This specification is released for procurement purposes until revised or rescinded.)

I. SCOPE

The intent of this specification is to define the product requirements and the subsequent procedures for obtaining a Qualified Products Listing (QPL). After the products have been approved, the model or series number will be shown on a separate document QPL-7110-11 (latest dated revision) which will be used as the sole approval source for products covered by the Invitation for Bid (IFB).

This specification establishes requirements for steel frame Teacher Desks, with single and double pedestal design.

II. APPLICABLE SPECIFICATIONS AND STANDARDS

Reference to specifications, standards, test methods, and other documents shall be to the issues in effect on the date of the IFB. Copies of the referenced documents may be obtained from the issuing organizations. The following documents and / or publications form a part of this specification to the extent specified herein:

A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

1. ANSI A208.1 - Particleboard.
2. ANSI/HPMA HP - Hardwood and Decorative Plywood.
3. ANSI A208.2 – Medium Density Fiberboard (MDF)

B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

1. ASTM D 1037 - Method for Evaluating properties of wood base Fiber and Particle panel materials.

C. FEDERAL SPECIFICATIONS.

1. L-P 5089 - Plastic sheet, laminated, decorative and non-decorative.
2. LLL-B-810 - Building board (Hardboard) Hard pressed vegetable fiber.
3. TT-C-490 - Cleaning methods for ferrous surfaces and pre treatments for organic coatings.

D. IRON AND STEEL SOCIETY (ISS).

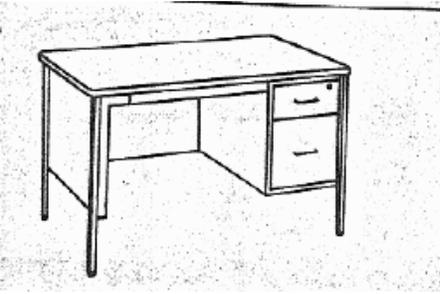
1. Steel sheet manual.

E. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

1. LD-3 - High Pressure Laminate.

III. CLASSIFICATION

A. Teacher Desks covered by this specification shall be classified as follows:



TYPE I

No graphic available
TYPE II

Type I - Metal Frame with SINGLE PEDESTAL.

Type II - Metal Frame with DOUBLE PEDESTAL.

- B. The defined product requirements herein are not intended to include all varieties of the commodity as indicated by the title of this document, or which may be commercially available, but is intended to cover only those commonly used by state agencies and the public schools. Listing of a product is not intended to and does not connote endorsement of the product by the state.

IV. GENERAL REQUIREMENTS

- A. Products furnished per this document shall meet or exceed the following requirements:
1. All desks shall be new, unused, and a currently standard product of an established manufacturer.
 2. All desks shall present a neat, well-finished appearance inside and outside and shall be free from all imperfections and/or defects which might affect appearance, normal life, safety, or serviceability.
 3. All metal parts shall be inherently corrosion resistant, or suitably treated to resist corrosion.
 4. Plastic surfaces shall be free from ripples and thin spots, and have a bright color fast appearance.

V. PRODUCT REQUIREMENTS

A. General

Teacher desks shall be either single (Type I) or double pedestal (Type II) locking type and shall have steel supporting frame and drawer construction plus a steel modesty panel.

1. DRAWERS: Each pedestal shall have one box drawer and one file drawer.
 - (a) The box drawer shall have inside slots or equivalent feature to provide adjustable partitions. It shall have a smooth non-racking operation and slide on nylon or equivalent bearings.
 - (b) The File drawer shall have a full cradle suspension with ball, roller or nylon bearings for smooth non-racking action and enable drawer to fully open.
 - (c) A knee or central drawer shall be steel and provide pencil / pen partition.
2. DESK TOP:
 - (a) The size of TYPE I desk top surface shall be 30 inches x 48 inches and rectangular in shape. The size of TYPE II desk top surface shall be 30 inches x 60 inches and rectangular in shape.
 - (b) The thickness shall be a minimum of 1 1/8 inch.

- (c) The edges shall be shaped and rounded and the corners shall be rounded; edges shall be sealed.
- (d) The desk tops shall be resin core, particle board or plywood. The top surface shall resist stains, scratches, burns, and be non-porous. Particle board (45 LB. per cu. ft.) or plywood core table tops shall have laminated construction consisting of HPL decorative plastic surface, complying with NEMA GP28 (0.028 thick). The bottom shall have a backing sheet.
- (e) Table top edges shall be either banded with the same HPL plastic (as top surface material) or protected with a "T" molding. If a "T" molding is used it shall be a flexible, non-brittle vinyl "T" or "Bullnose" molding and attached by a barbed tongue, that is self locking into a groove around the edge of the laminated table top. The molding shall be pinned or secured in addition to the self locking feature to provide an extra precaution against "pull out". Vulnerable areas such as corners and peripheral joins must be provided with this extra precautionary feature.
- (f) The table top to pedestal support attachment method shall be so designed to provide a strong solid union that will not loosen under normal classroom use. The hardware (screws) for attaching the pedestal to a top constructed from particle board must be of the type specially designed for use with particle board (Wood screws are not permitted). Another acceptable method is threaded metal inserts imbedded into the underside of the table top.
- (g) The height of the desk is defined as the distance from the floor to the top surface of the desk measured perpendicular to the floor. This height shall be not less than 28 inches and not greater than 30 inches.
- (h) Tables shall be equipped with rustproof self leveling glides, with at least one glide to be adjustable.

3. GLIDES

- (a) Glides shall be steel-cushioned, or nylon, or all steel, and be of the "boot" (ferrule) design. There shall be a minimum of one retaining clip or heavy duty pressure ring holding the booted glide within the leg tubing. Glides shall have a self leveling swivel design. The outside diameter of the glide pad that contacts the floor shall be 3/4 inch minimum. Glides shall not be easily removed without the use of tools.

4. FINISH (Metal parts)

The frame and leg support structure can be either painted or chrome plated. The pedestal(s) and sheet metal panels shall be painted.

- (a) `Painted: All painted surfaces shall be thoroughly cleaned and free of dirt, oil, grease, moisture, or other foreign matter prior to painting.

After cleaning, the surfaces shall be coated with a paint- bond coating and a rust inhibitor compatible with the top or finish coat. The finish coat shall consist of high temperature enamel applied and baked in accordance with the paint manufacturer's recommendations (or the manufacturer's standard acrylic/epoxy based enamel coating of comparable quality). The enamel shall be the non chipping type. There shall be no indication of rust or decay under the coating. An equivalent thermoset epoxy resin dry powder coating, electro-statically applied, shall also be acceptable.

- (b) Chrome Plated: All metals which are to be chrome plated shall be treated by the manufacturer's standard electrical and chemical cleaning process. Chrome shall be plated over a Nickel base. The chrome shall be corrosion and chip resistant.

VI. SAMPLING AND INSPECTION

Products furnished under this specification may be inspected by the direction of the Inspection section and/or the ordering State Agency, Institution, College or Public school either at the destination or place of manufacture. Random samples of delivered items may be selected and checked for compliance with this specification. If it is found that the

product does not meet the requirements of this specification, the Division of Purchase and Contract may proceed as stipulated in the Terms and Conditions of the bid.

VII. WARRANTY AND SERVICE

A. General

All products shall be guaranteed against defects in materials, workmanship, and performance for a minimum of TWO YEARS. The Warranty shall begin on the date of acceptance of the product by the ordering facility. During this Warranty period, the vendor shall repair or replace defective material, components, or units at no cost to the user or his representative (this shall include round trip travel and freight to user's site). The Vendor shall Guarantee that the product will be a standard item in the manufacturer's current product line. The basic product shall be identifiable by regular catalogue numbers in the manufacturer's published literature and price list.

B. Availability of Service

Factory authorized service shall be available statewide within the State of North Carolina. An adequate supply of parts shall be made available to the State for the expected life of the products covered by this specification. Refer to the IFB for any additional requirements.

VIII. PACKING / PACKAGING

A. General

Packaging for shipment shall be in accordance with the best industry practice and in a manner readily accepted by common carriers engaged in interstate commerce. Within the shipping carton, the units shall be packed in a manner designed eliminate damage during shipment.

B. Marking

Each shipping container shall be clearly marked with the following:

- 1. Name of contents
- 2. Quantity
- 3. Name and Address of the Manufacturer.

Shipping documents shall include the following:

- 1. Customer's Purchase Order Number
- 2. Name and Address of the Ordering Agency.

IX. ORDERING DATA (For Purchase & Contract use only)

Purchaser should specify the following in the Invitation for Bids:

- 1. Title, Number, Date of this specification.
- 2. Classification (type/style) of the unit desired.

X. QUALIFICATION

An application for adding or changing a product on the QPL shall be initiated by the applicant and made in writing to the Standards Section, Div. of Purchase and Contract, 116 West Jones St. Raleigh, N.C. 27603-8002. The application shall include, the description the product and model number, the applicable line item that you wish to have your product listed, illustrations and complete specifications of the product. This shall be submitted not less than 120 days prior to the expiration of the current Term Contract.

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