

SPECIFICATION FOR TABLES, FOLDING

SCOPE

This specification covers requirements for folding tables for use in state agencies, institutions and public schools. It is intended to cover the type tables generally required but is not intended to cover all varieties of designs available.

I. CLASSIFICATION

Folding tables covered by this specification shall be classified as follows:

TYPE I - Tables with high-pressure laminate top.
Class A - Solid core
Class B - Honeycomb Core

TYPE II - Tables with wood, plywood, particleboard, or pressed board top, finished without high-pressure laminate top.
Class A - Solid Core
Class B - Honeycomb Core

TYPE III – Lightweight Tables with ABS plastic top.

II. APPLICABLE STANDARDS

The following documents of issue in effect on the date of the Invitation for Bids shall form a part of this specification to the extent described in REQUIREMENTS:

NEMA Standard LD-3
National Electrical Manufacturer's Association (NEMA)
155 East 44th Street
New York, NY 10017

III. REQUIREMENTS

A. TOPS

Type I Tops - All type I tops shall be surfaced with thermosetting high-pressure plastic laminate meeting the requirements of NEMA LD3, grade GP50. The underside of tops shall be surfaced with NEMA grade plastic backer sheet or other suitable backing sheet providing balanced construction.

Type I, Class A top construction shall have cores of minimum 5/8" 5 ply plywood, 3/4" 45 lb. density flakeboard or 3/4" 60 lb. density fiberboard. Finished tops with plywood core shall be minimum 11/16" thick, others minimum 13/16" thick. Edges shall be as described under "edging" below.

Type I, Class B top construction shall be minimum 5/8" fiber honeycomb material of adequate rigidity and strength to support sandwich construction when securely glued in place. The core shall be rimmed with solid wood, 45 lb. density flakeboard or 60 lb. density fiberboard. The rim strips shall be not less than 3" wide and shall be joined only at the corners. Inserts shall be provided as necessary for leg attachment. Finished thickness shall be minimum 11/16". Edges shall be as described under "Edging" below.

Type II Tops - All type II tops shall be surfaced with low-pressure plastic laminate, vinyl sheet or acrylic or varnish topcoat. The underside of the tops shall be finished with low pressure plastic, vinyl sheet or sprayed sealer coat.

Type II, Class A top construction shall have cores of minimum 5/8" 5 ply plywood, 3/4" 45 lb. density flakeboard or 3/4" 60 lb. density fiberboard. Finished tops shall be minimum 11/16" and 13/16" thick respectively. Edges shall be as described under "edging" below.

Type II, Class B top construction shall have a core of minimum 5/8" fiber honeycomb material of adequate strength and rigidity to support sandwich construction. The honeycomb shall be sandwiched between two layers of 1/4" fiberboard. The core shall be rimmed with solid wood, flakeboard or fiberboard strips not less than 3" wide. Inserts shall be provided as necessary for leg attachment. Finished thickness shall be minimum 7/8" thick. Edges shall be as described under "Edging" below.

Type III, top shall be constructed from ABS plastic with a multi-layered core material of adequate strength and rigidity. The tabletop shall be rimmed with a metal or wood apron. Inserts shall be provided as necessary for leg attachment. Edges shall be as described under "Edging" below.

B. EDGING

Edgings for Type I tables: Edging for the tables shall be 3mm thick (minimum) PVC vinyl, or similar material, molding permanently bonded to the sides to create an edge-sealed condition. Gapless construction is necessary to prevent liquids and food solids from attacking the core and collecting at the seams.

Edgings for Type II tables shall be as specified for Type I, but may also include aluminum molding properly applied with screws or drive screws, or securely fastened with blind type fasteners. Aluminum molding not recommended in food serve applications.

Edgings for Type III tables shall be manufacturers standard edging.

C. APRON

Tabletop shall be supported by a steel channel or wood apron securely attached to the top with screws or expanding rivets. Minimum width of apron shall be 1-3/4"(45mm).

D. LEGS

Legs shall be pedestal type of tubular steel. Top crossbar and uprights shall be 1" (25.4mm) O.D. and minimum 18 gauge. The lower pedestal section shall be 1" (25.4mm) O.D. and have minimum 16-gauge steel. Legs shall be of adequate design and braced to insure stability. Floor end of legs shall be covered with a non-marking shoe.

E. FOLDING MECHANISM

Table legs shall open and close in a single operation. The legs shall be positive locking in both open and closed position. Various locking methods such as gravity or spring lock may be used. In the closed position no part of the mechanism shall protrude beyond the apron. In the open position the mechanism shall be such that it cannot be released by pressing with foot or knee by person seated at the table.

F. FINISH

The tops on Type II tables shall be a wood or plastic finish highly resistant to caustics, scuffing and abrasion. All metal parts on all tables shall be zinc phosphatized and finished with high-grade enamel to provide high resistance to caustics, scuffing and abrasion.

G. CONSTRUCTION

Construction shall indicate first quality workmanship throughout and all fastening done in a manner acceptable in good industry practice. All metal edges shall be deburred to prevent cuts or scratches in handling and in unfolding or folding tables.

H. LIGHTWEIGHT TABLES TYPE III

To fit into the Lightweight category the tables must not exceed the weights listed in the table below

| Table top size (inches) | Not to exceed weight (pounds) |
|-------------------------|-------------------------------|
| 18x96 | 42 |
| 18x72 | 35 |
| 24x96 | 47 |
| 24x72 | 40 |
| 30x96 | 54 |
| 30x72 | 48 |
| 30x60 | 45 |
| 36x96 | 63 |
| 36x72 | 52 |
| 60Round | 56 |
| 72Round | 82 |

IV. WARRANTY

The contractor warrants to the owner that all folding tables furnished under this specification will be new, of good material and workmanship, and agrees to replace promptly any part or parts which by reason of defective material or workmanship shall fail under normal use, free of negligence or accident, for a minimum period of 1 year from date of acceptance. Such replacement shall be free of any charge to the owner or his representative.

V. SERVICE, PARTS, AND MANUALS

Does not apply to this specification.

VI. ACCEPTANCE INSPECTION AND TESTING

The right is reserved to request acceptance inspection, sample table and/or materials that such terms or conditions as called for in the Invitation for Bids.

VII. DELIVERY AND PAYMENT

Delivery and payment for folding tables under this specification shall be in accordance with the terms or conditions as called for in the Invitation for Bids.

VIII. ORDERING DATA

1. Title, number, and date of this specification
2. Size of table
3. Type and class of table
4. Color of table
5. Terms and conditions of inspection and/or sampling required

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