

# MARK PRODUCTS SPECIFICATIONS

## Plastic Laminate Casework, Media Center and Computer Furniture and Science Tables

### 1. CASEWORK INCLUDING: CIRCULATION DESKS UNITS, COMPUTER CARRELS, BOOK CASES, STORAGE CABINETS, WALL CABINETS, BASE CABINETS

#### a. Materials

Casework shall be premium grade, reveal overlay design with plastic laminate finish. All case members, tops, bottoms, dividers, shelves, doors and drawer fronts shall be  $\frac{3}{4}$ " thick 7-ply closed grain hardwood plywood. Case backs shall be  $\frac{1}{4}$ " thick closed grain hardwood plywood. Plywood shall have Type II water resistant glue and moisture resistant rating.

#### **Laminated Plastic**

All laminated plastic shall be high pressure laminate conforming to N.E.M.A. specification LDC-1985. The plastic laminated sheets shall be laminated to the core stock under pressure with water resistant adhesive to accomplish a Type II bond for all cabinet components.

Surfaces shall be covered as follows:

Top and back splash surfaces.....	.050 general purpose grade
All other exterior exposed surface....	.030 high pressure plastic laminate
Semi-exposed interior surfaces.....	.030 H.P. plastic laminate (color white)
Concealed surfaces.....	.030 H.P. plastic laminate backer sheet

#### **Edge Banding**

Color coordinated 1 mm PVC edge banding shall be applied to all edges with water resistant adhesive at all casework.

#### b. Construction

All cabinet members, bottoms, sub-top, sides and backs shall be joined by dado and rabbeted joints secured with glue and concealed metal fasteners. All case

backs shall have a 3" anchor cleat the full width of the unit at the top and bottom, secured in the rabbet over the back. The toe space base shall be constructed from solid lumber and separately framed.

#### c. Hardware

1. Hinges shall be heavy duty institutional type, 2 ½" five knuckle, hospital tip, .095 gauge, 270 degree swing, with satin chrome finish. Hinge shall interlock when closed. Concealed hinges shall be Salice high quality, self closing, with all metal construction and 120 degree swing.
2. Door and drawer pull shall be ¼" wire type, brushed chrome finish with mounting holes 4" on center.
3. Door catches shall be heavy duty magnetic type attached with two screws and slotted adjustment. Doors with concealed self closing hinges do not require door catches.
4. Elbow catches shall be spring type with zinc plated strike plate.
5. Shelf supports for adjustable shelves shall be heavy duty metal with horizontal slots spaced ½ " on center with removable clips.
6. Drawer slides shall be side mounted epoxy coated metal with nylon ball bearing rollers, 100 pound capacity rating.
7. Locks shall be disc tumbler, grooved key type, with bright plated cylinder and cam. Locks shall be installed on doors and drawers when required.

#### d. Finishes

All casework shall be finished with laminated plastic in colors selected from manufacturer's standard color chart.

#### e. Installation

The casework shall be delivered when the building is secure and weather tight. The air circulation control system shall be operating and maintaining relatively constant humidity and temperature conditions which are similar to the conditions to be maintained by the owner.

The casework shall be set in place, leveled and secured to walls and floors as normal and standard to the trade. Fillers shall be used between casework and walls and shall be accurately scribed to walls for a neat installation. Casework shall be caulked where meeting walls, floors and soffits. Seal all counter joints and where backsplash meets counter top.

The casework installer shall accurately cut openings required for sinks or other equipment as indicated on plans.

## f. Countertops

1. Tops for circulation desks and library and conference tables - will be 1 1/8" thick high density (45 lb) particle board with .050 general purpose grade plastic laminate at top surface with a .03 grade high pressure backer sheet. All edges will have 3mm high impact PVC.

2. Counter tops for base cabinets and computer carrels and miscellaneous casework - are built up to 1 1/2" thick using 3/4" plywood core. All faces and edges are to be faced with .050 thick plastic laminate. Colors to be selected from standard Wilsonart or Formica plastic color samples.

## 2. OPEN FRAME LIBRARY AND CONFERENCE TABLES

- a. Available in solid oak, ash and maple.
- b. 13/16" x 4" solid rails.
- c. 14 gauge metal corners.
- d. 2" or 2 1/4" square solid legs.
- e. Legs are solid hardwood.
- f. Legs have a deep threaded hanger bolt with machine threads and a hex nut, loc washer and flat washer (5/16" x 3") machine driven diagonally into leg.
- g. Corner bracket are 14 gauge 3" x 3 3/4".
- h. Front, back and end rails are 13/16" x 4" solid wood. Frames with book compartments or drawers will have horizontal rail 3/4" x 1" dadoed, glued, pinned and fastened to front vertical rail.
- i. Book compartment and drawer openings are 3 1/4" x 15 x 20" (-/+)
- j. Cross rails are 3/4" x 3 7/8" hardwood plywood.
- k. Book compartment bottoms are 1/2" plywood.
- l. Drawers have 1/2" hardwood plywood sides, 3/4" hardwood plywood backs, 1/2" hardwood bottoms and 13/16" solid wood fronts.
- m. Legs are available any height up to 34 1/2".
- n. Adjustable glides are 5/16" x 1 1/2" long.
- o. Black vinyl leg protectors (black boots).
- p. Stretchers and stringers available in 3/4" x 2 1/4" and 1 1/4" x 2 1/4".
- q. 5 Standard color finishes: #100 Natural Oak, #200 Nut Brown, #300 Fruitwood, #400 Walnut and #500 Early American.

### 3. SCIENCE TABLES

#### **a. Table Frame Construction:**

1. Table frames shall be made of solid hardwood. Exposed table aprons shall be  $\frac{3}{4}$ " thick x  $4\frac{3}{4}$ " high solid oak grooved for acceptance of cross rails and corner blocks and further grooved and drilled for attachment of top fasteners.
2. Reinforcing cross rails shall be solid hardwood, screwed and glued into front and back rails.
3. Table rail corner blocks for attachment of legs shall be  $\frac{3}{4}$ " thick x 4" high solid hardwood, screwed and glued into table aprons.
4. Table legs shall be solid oak  $2\frac{1}{2}$ " square and furnished with specially designed bolt which passes through leg having exposed head conforming to corner rounding and furnished with washer and nut for secure attachment behind corner block. Depending upon table type, legs shall be provided with leg shoes or adjustable glides.
5. Leg stretchers, where required, shall not be less than 1" x 3" mortised and tenoned into legs and secured with bolts. Cross stretchers shall be of similar construction, tenoned into stretchers and secured with bolts.
6. Book compartment bottoms to be furnished in either 22 gauge black powder coated formed steel, tempered welded fiber, or birch plywood depending on style of unit in which compartment occurs.
7. Exposed corners of table aprons, table legs, and table stretchers shall be rounded minimum  $\frac{3}{16}$ ".
8. Glides for table legs shall be nylon minimum  $1\frac{1}{2}$ " in diameter. Glides shall be adjustable on  $\frac{5}{16}$ " diameter x  $1\frac{1}{4}$ " plated stem.

#### **b. Table Frame Finish**

1. Prior to the application of wood finish, all exposed cabinet and case parts shall be sanded smooth and loose fibers and dust removed.
2. Exposed table parts shall then receive an application of stain.
3. After drying, table parts shall then receive a double coat of clear resinous wood sealer.
4. Four standard color finishes: #40 Natural, #45 Golden Oak, #1211 Provincial, #1608 Country Oak.

#### **c. Epoxy Resin Tops**

1. Tops shall be molded from a modified epoxy resin that has been especially compounded and cured to provide optimum physical and chemical resistance.
2. Tops shall be a uniform mixture throughout and shall not depend on a surface coating that can be readily removed by chemical or physical abuse.

**c. Epoxy Resin Tops (continued)**

- 3. Tops shall be non-glaring and black in color.
- 4. All edges shall be chamfered back and approximately 1/8".

**4. BOOKTRUCKS**

- 1. Front, back, sides and depressible shelf are made of 3/4" plywood and all exposed edges are banded with oak banding. Parts are glued and nailed together.
- 2. The bottom and cleats shall be made of 3/4" plywood.
- 3. Top push rail and stops are made of solid oak and 1 1/4" screws used.
- 4. Push rail has a handle cutout.
- 5. Unit has (4) 5" swivel casters that have a 4" vinyl covered wheel that is mounted with 5/16" x 1 1/4" carriage bolts.
- 6. Unit has a metal depressible shelf lifting mechanism.

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