

Montgomery County Public Schools Facilities Guide

DIVISION 12 – FURNISHINGS

SECTION 12350

MEDIA CENTER FURNISHINGS

PART 1 GENERAL

1.01 GUIDE INCLUDES

- A. Casework for IMC (Instructional Media Center), including:
 - 1. Book shelving units - wall and free standing
 - 2. Circulation desk cabinets
 - 3. Book truck
 - 4. Display tables
 - 5. Magazine shelving

1.02 RELATED SECTIONS

- A. Section 06400 "Architectural Woodwork" for millwork.
- B. Section 12340 "Educational Casework" for typical classroom casework.
- C. Section 12345 "Laboratory Casework" for science room casework.
- D. Section 12340 "Educational Casework" for counter tops.

1.03 QUALITY ASSURANCE

- A. Shelving and cabinets to be furnished by same manufacturer to provide a single source of responsibility.
- B. Manufacturer shall have a minimum of five years experience in manufacturing of wood media center furnishings on a national basis.

1.04 SUBMITTALS

- A. Submit shop drawings.
- B. Submit manufacturer's certification that composite wood products, agrifiber products and field-applied adhesives and sealants installed in building interior meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
- C. Submit certification of application of borate treatment to woodwork in contact with slab.
- D. Submit MSDS for any applicable products used.
- E. Submit recycled-content data, designating percentages of post-consumer and pre-consumer recycled materials if applicable.
- F. Submit rapidly renewable content data if applicable.
- G. Submit FSC-certification with chain-of-custody for all wood-based materials, if applicable

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Tesco Products Co.
- B. Collegedale Casework, Inc.
- C. No other manufacturer will be acceptable unless prior substitution approval has been obtained in

accordance with Section 01630 - "Substitutions".

2.02 MATERIALS

- A. Wood Materials, General:
 - 1. Give preference to rapidly renewable agrifiber and/ or recycled content materials.
 - 2. Alternate: Wood components, shall be FSC-certified as originating from a sustainably harvested forestry operation.
 - 3. Composite wood and agrifiber products shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.a. At minimum, products need to comply with VOC limits specified in LEED-for Schools if alternatives tested to the CA protocol are not available.
- B. Countertops see above (Related Sections).
- C. Vertical uprights of library shelving shall be a minimum of 1 inch thick, kiln-dried solid oak or maple, glued up in strips no less than 1-1/2 inches and no wider than 4 inches, and free of imperfections.
- D. Canopy cornice shall be constructed of an oak or maple plywood top with solid oak or maple fascia strips which are machine applied to front and back edges. Bolting cleats are attached by means of wood screws and glued construction.
- E. Continuous top shelving will have a 2-1/4 inch deep dovetailed top frame provided with countersunk holes for screwing down a continuous top made of high pressure laminate on 45 pcf core with 3/4 inch oak edge bands on exposed edges.
- F. Bases shall be of solid oak 3-1/2 inch in height with dovetail joints.
- G. Shelves shall be a minimum of 3/4 inch thick, edge glued, solid oak or maple strips no less than 1-1/2 inch wide nor wider than 4 inches. The underside of all shelves shall be neatly routed to receive the metal supporting pins or clips.
- H. Shelf height adjustment is accomplished by means of four round metal threaded pins with matching receiver holes utilizing four per shelf on 1-1/4 inch centers. Metal pilaster shelf supports are available as an option.
- I. Shelving units shall have backs of 1/4 inch thick seven ply oak or maple veneer, plain sliced plywood. Back shall be finished on one side for single faced units and on both sides for double faced units.
- J. Lumber: Wood used in construction of furniture and cabinetry shall be of solid oak or maple and shall be selected from seasoned, kiln-dried materials free from structural imperfections. Moisture content at time of fabrication may range from 5 percent to 2 percent. Exterior woods shall be northern oak, selected for uniformity of grain and color. Wood used for internal parts shall be selected as structurally sound.
- K. Casters; shall be 3 inch heavy duty steel rubber tired casters with brakes at corners of designated units. If unit width exceeds 3'-0", provide additional casters at 3'-0" o.c. maximum. Install weld pans at underside of units for caster reinforcement.
- L. Adhesives and sealants and termite treatment:
 - 1. Field-applied adhesives and sealants shall meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
 - a. At minimum, products need to comply with VOC limits specified in LEED-for Schools if alternatives tested to CA protocol are not available.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Subcontractor shall examine work of other trades for acceptability of surfaces for installation. Should there exist conditions that would affect complete and proper installation of casework, Contractor should be notified before start of work.

3.02 INSTALLATION

- A. Installation of wood casework shall be by manufacturer's approved installer.
- B. Shelves abutting walls shall be attached to walls in secure manner in accordance with manufacturer's recommendations and as indicated on drawings.
- C. End panels shall be joined to cornice and base by means of metal ferrules embedded in end panels with 5/16 inch hex head bolts passing through cleats on cornice and sides of base and engaging ferrules.
- D. Additional units shall be joined by means of 5/16 inch hex head bolts passing through both bases and intermediate upright and both cleats on cornices and intermediate upright and secured with washers and nuts.
- E. Shelving units 72 inches high and under have standard continuous top construction. Shelving units above 72 inches high have standard canopy top construction.
- F. Care shall be taken during assembly and installation to prevent damage to casework. Damaged units shall be replaced, by Contractor, at no cost to Owner.

3.03 STANDARD DETAILS (see attached detail sheet)

SEE PROJECT MANAGER FOR STANDARD DETAILS TO COMPLY WITH.

END OF SECTION