

## **DIVISION 12—FURNISHINGS**

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### **FORMAT**

1. Technical specifications content and numbering system shall be based on the 2004 version of CSI MasterFormat.

### **BASIS OF DESIGN**

1. BGSU Design standards shall not replace fully developed, project and market specific technical specification. Associate shall utilize the Standards as a minimum standard to guide the design and execution in the field. Exceptions to these standards are allowed provided they are approved by Design & Construction.
2. In instances where fewer than 3 manufacturers are indicated, the Associate shall insert "or approved equal" in the Products section of the technical specifications.
3. All submitted substitute products shall be brought to the attention of Design & Construction, prior to approval.

### **GENERAL PROVISIONS**

1. Bonding agents and adhesives shall contain no urea formaldehyde.

### **RELATED SECTIONS**

1. 06 61 16—Laminated and Solid Surfacing

### **12 32 00—MANUFACTURED WOOD CASEWORK**

1. General:
  - a. Base cabinets shall receive toe kicks
  - b. Grommets shall be installed only after casework is in place and in consultation with ITS personnel & the end users.
2. Materials:
  - a. Hardwood plywood; MDF, grade 130; or particleboard, grade M-2
  - b. Plastic laminate shall be grade HGS
3. Construction:
  - a. Drawer fronts shall be 3/4-inch- thick, hardwood plywood or solid hardwood.
  - b. Drawer sides and backs shall be 1/2-inch- thick, solid hardwood or hardwood plywood, with glued dovetail or multiple-dowel joints.
4. Countertops:
  - a. Common areas shall have solid surface countertops
  - b. Areas having restricted access may have plastic laminate countertops
5. Hardware:
  - a. Drawer Glides shall be heavy duty, full-overtravel-extension, ball-bearing type.
  - b. Pulls shall be solid stainless-steel wire pulls, fastened from back with two screws. For sliding doors, provide recessed stainless-steel flush pulls. Provide 2 pulls for drawers more than 24 inches wide.

- c. Hinges shall be frameless concealed hinges (European type), 170 degrees of opening, self-closing.
- 6. Sinks
  - a. Solid surface countertops shall have integral solid surface sinks.
  - b. Plastic laminate countertops shall have a stainless steel “drop-in” type sinks.

## **12 35 53—LABORATORY CASEWORK**

- 1. General:
  - a. There may be instances when the products used in labs will be corrosive to the surfaces and hardware listed below. In those cases, designer shall determine materials (e.g., stainless or epoxy-coated steel, etc.) that are reasonably resistant to the most corrosive chemicals commonly utilized in those areas.
  - b. Base cabinets shall receive 4” toe kicks
  - c. Power and data needs shall be met by mounting dual channel surface mounted raceway above backsplash.
    - i. Countertop grommets shall not be used
- 2. Materials:
  - a. Materials shall be hardwood plywood, with red oak face veneer
- 3. Construction
  - a. Drawer fronts shall be 3/4-inch- thick, hardwood plywood or solid hardwood.
  - b. Drawer sides and backs shall be 1/2-inch- thick, solid hardwood or hardwood plywood, with glued dovetail or multiple-dowel joints
- 4. Countertops
  - a. In most instances, 1” black epoxy resin with 4” backsplash shall be specified for science casework countertops.
- 5. Hardware:
  - a. Drawer Glides shall be heavy duty, rated to 100 lbs, full-overtravel-extension, ball-bearing type.
  - b. Hinges shall be 5-knuckle, grade 1 (BHMA A156.9), with antifriction bearings and rounded tips.
  - c. Pulls shall be solid stainless-steel wire pulls, fastened from back with two screws. For sliding doors, provide recessed stainless-steel flush pulls. Provide 2 pulls for drawers more than 24 inches wide.
- 6. Sinks
  - a. Sinks shall be epoxy and integral or undercounter mounted

End of Section