

## **DIVISION 06 – WOOD, PLASTICS AND COMPOSITES**

### **06 1000 - ROUGH CARPENTRY**

- A. Wood framing shall not be used without specific approval from UND PM.
- B. Specify species and grade of all lumber to be used.
- C. Provide for pressurized preservative treatment for wood in contact with concrete for roof blocking and where moisture may occur. Design to avoid contact with roofing asphalt or tar.
- D. Specify all required blocking, grounds, furring strips and framing members. Heavy gauge steel strapping can be use in lieu of wood blocking attachments of cabinets, etc.
- E. Specify all necessary rough hardware.
- F. Specify compliance with recommendations of the American Wood Preservers Institute when handling and installing pressure-treated wood.
- G. When applicable specify certified wood products. Use sustainable wood products when specified and when feasible.
- H. Medium-density fiberboard (MDF) products shall not be used in areas where moisture may occur.
- I. Specified products and materials shall not contain added urea-formaldehyde resins whenever possible.

### **06 2000 – FINISH CARPENTRY**

- A. As a minimum, specify that work shall conform to “custom grade” quality standards established by the Architectural Woodwork Institute.
- B. Provide shop drawings. On large projects, require submission of full size assemblies to verify and establish quality standards.
- C. Specify species and grade according to type of finish to be applied.
- D. Specify plywood of appropriate species and grade for its specific use.
- E. Plywood is preferred over particleboard in most areas. Plastic laminate manufacturers recommend particleboard for casework. Use 45-lb. industrial grade particleboard for plastic laminate covered counter tops. Seal where used at sinks or in moist areas.
- F. Countertops with sinks and in moist areas should have back splashes and end splashes. Plastic laminate must be post-formed.
- G. Specify high-pressure lamination for plastic laminate counter tops and edges.
- H. Wall-Hung Adjustable Shelves
  - 1. Constructed with  $\frac{3}{4}$ " hardwood veneer plywood or plastic laminate veneer on  $\frac{3}{4}$ " plywood with minimum  $\frac{1}{2}$ " hardwood edges.

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2. Prefer maximum shelf span of 24" and recommended shelf depth unless approved otherwise.
  3. Design shelves to prevent lateral shifting.
  4. Knappe Voyt 87 standards and 187 brackets are preferred. These standards and brackets come in either Anochrome or white.
  5. Design shelving units as 8' long modules for ease of interchange.
  6. Design units with integral book ends at each end.
  7. Install ¾" plywood backer in wall studs.
  8. Utility shelving shall be B-line B72 standards and B188 brackets bracket mounted to standard by using N7224 springnut with ¼ - 20 bolts.
- I. Construction shall be glued in addition to using mechanical fasteners. Where face nailing must be used, specify blind nailing and nails set to receive filler.

#### **06 4120 – CABINET HARDWARE**

- A. Specify all required hardware, such as drawer slides and glides, rollers, shelf standards and brackets, sliding door guides and hooks.
- B. Specifying full suspension drawer slides.
- C. Specify anti-ligature hardware.
- D. Coat hooks
1. Normally located in classrooms and laboratories and behind doors in offices.
  2. Provide minimum 3 1/2" clearances behind door for coat hook.
  3. Provide break-away hooks.
- E. Cabinet Door Hardware
1. Hinges: 5 knuckle or concealed European institutional type for full overlay doors.
  2. 3-inch wire pulls, or as directed by UND Facilities Management
  3. Ives Adjustite 340 and 350 catches.
  4. Match existing hardware style as close as possible in remodel situations.
  5. Finish selection to be compatible with the Project.
- F. Renovation projects in historic buildings will require special attention in detailing to replicate the shaping of both interior and exterior decorative wood elements.

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- G. Durability is a concern for all window sills. Use non-porous materials that are moisture/mold resistant in this application. Solid surface sills are preferred, or as directed by UND PM
- H. Specify low VOC materials, adhesives, composite wood products, etc whenever possible
- I. When applicable specify certified wood products. Use sustainable wood products when specified and when feasible.

**06 8200 – GLASS FIBER REINFORCED PLASTIC**

- A. Acceptable applications include exterior panels, columns, cornices, pediments, storefront entries, cupolas and other decorative elements such as friezes and signage, or as approved by UND PM.

END OF DIVISION 06