

06 00 00 Wood, Plastics, Composites

Revision 01/04/2019

Purpose:

The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard's section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. General requirements

- a. This section contains, but not limited to: rough carpentry, casework, millwork, and wood trim.
- b. In the development of the design material selections, and related construction details, the Architect shall use the Architectural Woodwork Institute (AWI) quality standards and requirements. Use "Premium Grade" specification for all transparent finished casework, millwork, paneling, or wood trim.
- c. Composite wood, agri-fiber, and laminating adhesives products may not use or contain urea-formaldehyde resins
- d. For projects pursuing LEED certification, use at least 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's (FSC) principles and criteria for wood building components (or a USGBC-approved equivalent certification system). Projects not pursuing LEED certification are encouraged to meet or exceed this threshold, but may choose not to at the discretion of the Rice Project Manager.
- e. Acceptable blocking includes solid wood, plywood and minimum 16ga sheet metal.
- f. Except as listed below, use a plastic laminate finish for cabinets, countertops, and shelving:
 - i. At the following locations, wood veneer may be used: Reception, staff office, conference rooms, executive offices, and faculty offices.
 - ii. Shelving shall be plastic laminate or wood veneer shelving shall be hardwood veneer core with either plastic laminate or wood veneer on both sides and three edges. Minimum thickness is ¾".
 - iii. Countertops: Solid surface countertops at wet areas.
 1. Acceptable solid surface material includes acrylic resins or granite. All selections are to be approved by the Rice Project Manager.
 - iv. All glass used in casework/millwork to be tempered.

2. Wood and Wood Products:

- a. All wood species and veneer selections for transparent finish shall be as approved by the University's Project Manager.

3. Performance Standards

- a. Shop Drawings: The Architect shall request shop drawings for review, showing all cabinetwork including details, wood species, grades, finishes, fire-retardant treatment (where required), glues, assembly details, filler panels, fastenings and anchorage methods, hardware locations, and installation procedures. Shop drawings shall show top assemblies without base cabinets and vanities. Shop drawings shall demonstrate compliance with structural performance specified herein.

4. Installation:

- a. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete and dry, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.