

06 20 00 – Finish Carpentry

1. General

- A. Finish wood material shall conform to requirements of the Architectural Woodwork Institute (AWI) quality standards. Wood shall be custom grade unless approved otherwise.
- B. Wood trim with transparent finish generally shall be red oak unless an alternative wood is more appropriate to the design of the building. The alternative wood must be approved by the Project Office. Painted or concealed wood trim shall be fir or poplar.
- C. The use of exotic and/or endangered wood species is not permitted.
- D. Casework shall reflect the following guidelines:
 - 1. Countertops: minimum 1 inch thick exterior grade veneer core plywood with 1 1/2 inch facing.
 - 2. Cabinet bodies: 3/4 inch thick veneer plywood with plain sliced oak veneer except where noted (AWI premium grade) and 1/2 inch thick solid red oak banding.
 - 3. Drawer sides, back and front: 3/4 inch thick veneer core plywood with oak veneer or 3/4 inch solid oak wood.
 - 4. Drawer bottoms: minimum 3/8 inch thick plywood or similar material.
 - 5. Doors: 3/4 inch thick, plain sliced red oak veneer plywood and 1/2 inch thick solid red oak banding.
 - 6. Shelving, exposed and in cabinets: 3/4 inch thick x 12 inch deep plain sliced red oak veneer plywood banded on exposed edges.
 - 7. Grain in adjacent panels shall be matched as to direction and density.
 - 8. Finish hardware for cabinets shall be installed at factory.
 - 9. Drawer slides for drawers with a depth of 7 inches or less shall be, as a minimum, medium weight, full extension type. Slides for drawers with a depth greater than 7 inches shall be heavy duty, full extension type. Hinges and hardware on millwork shall be commercial grade.
 - 10. Adjustable shelving installed on walls shall have heavy-duty standards and brackets. Vertical wall standards shall be located a maximum of 36 inches on center, using a minimum #10 flat-head screw at least 2 1/2 inches in length. Sharon finish washers shall be used on removable panels.

11. Millwork shall be fabricated and installed so that in future renovations it can be disassembled in complete units and reinstalled. Do not install cabinets and countertops in a permanent manner.
 12. Millwork material shall be installed plumb and level, with minimal joints or concealed nails and fasteners. Blocking and finish material shall be installed to allow for natural wood movement and building movement.
 13. No plastic laminate seams allowed within 36 inches of sink edge.
 14. Particleboard is not permitted for use in any application of carpentry, including cabinets, carpentry, countertops and sheathing.
 15. Redwood shall not be permitted.
 16. Refer to Division 8 for interior wood door and finish hardware requirements.
- E. Plywood utilized in telephone closets or IT equipment rooms for mounting of equipment shall be 3/4 inch thick fire retardant plywood panels that shall be secured sufficiently to the wall to support apparatus.
1. While generally acceptable to Duke University, fire retardant plywood may or may not be accepted by the City of Durham as an effective fire barrier, depending on the application. Where fire retardant plywood is indicated as a means of creating a fire barrier/separation, consultants and contractors must confer with the Project Manager regarding the proposed application prior to specification and/or installation of fire retardant plywood.