

DIVISION 06 WOOD, PLASTICS AND COMPOSITES

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Unless stated otherwise, the standards in this Facilities Design Manual (FDM) are directed to the Design Professional to incorporate into the Project.

Although the Owner encourages improved concept, method and product recommendations by the Design Professional, deviation from these standards, including product requests for “approved equivalent” status, requires written justification from the Design Professional and written approval from the Owner’s Representative before completion of Design Development Documents.

*Changes to this Division since the last issuance are indicated with **yellow highlighted text**.*

Links to Support Documents, external webpages and other FDM sections are shown in underlined text.

06 10 00 ROUGH CARPENTRY

A. WOOD FRAMING

1. Specify species and grades of lumber to be used in the Project.
2. Specify required blocking, grounds, furring strips and framing members.
 - a. In addition to other required locations, specify:
 - i. Plywood backing for telecom closets. All walls of the telecom closets shall be lined with rigidly installed wall-to-wall ¾ inch AC grade plywood, 8 feet high. See ISU Telecommunication Closet Standards ([Telecom Closet Standards.pdf](#)) for further information.
 - ii. Plywood backing for wall-mounted display monitors in conference rooms, classrooms and other spaces that will receive owner supplied audio-visual equipment.
3. Design professional shall confirm with Owner's Representative the final placement location and height of equipment to indicate backing and blocking locations on drawings.
4. Specify required rough framing hardware.
5. Specify fire-retardant treatment for wood used for unexposed blocking.
6. Specify pressurized preservative treatment for wood in contact with concrete, for roof blocking and where moisture may occur.
 - a. Specify compliance with American Wood-Preservers' Association (AWPA) standards when handling and installing pressure-treated wood.

06 40 00 ARCHITECTURAL WOOD WORK

A. CASEWORK

1. As a minimum, specify work conforming to custom grade quality standards established by the Architectural Woodwork Institute (AWI).
2. Specify submission of complete shop drawings.
 - a. On large projects, specify submission of full size assemblies to verify and establish quality standards.
3. Specify species and grade according to type of finish to be applied.
4. Specify plywood of appropriate species and grade for its specific use.
5. As an alternative to using particle board bonded with urea formaldehyde resin, specify plywood or other board product that produces far less or no carcinogenic out-gassing.
6. Design countertops with sinks and those located in moist areas with back-splashes and end-splashes.
7. Specify pressure-lamination for plastic laminate counter tops and edges.
8. To increase durability, specify joints glued in addition to using mechanical fasteners.
 - a. Where face nailing must be used in visible locations, specify blind nailing.
9. Specify all required hardware for casework to fully function as intended.
 - a. Wherever possible, specify full suspension drawer slides.
10. Specify the following cabinet door and hardware or as required by the Building Program.
 - a. Full overlay doors with 5 knuckle institutional type hinges and 3-1/2 inch wire pulls.
 - 1) Specify roller catches or, for large or tall cabinet doors, specify Ives Adjustite #350 catches (http://professional.iveshardware.com/pdfs/templates/latches/350_A_Adjustite_Catch.pdf).
 - b. Where remodeling, match existing hardware style as close as possible.

B. SHELF UNITS

1. Specify the following adjustable shelf units and hardware or as required by the Building Program.

- a. Hardwood veneer plywood or plastic laminate veneer on plywood with minimum 1/4 inch thick hardwood edges
- b. Maximum 24 inch shelf span and maximum overhang of 8 inches
- c. No lateral shifting of shelves
- d. Knapé & Vogt (KV) #83 standards (http://www.knapandvogt.com/83_Heavy-Duty_Standard.html?page=details.501) and #180 brackets (http://www.knapandvogt.com/180_Brackets.html?page=details.153) for open shelves
- e. Modular units approximately 4 feet long to accommodate interchanging with other shelving units in the Project
- f. Integral book ends for each shelf
- g. See FDM Part 2/Support Docs for Div 03-13/Arch-ID Details/[Adjustable Shelving Detail.pdf](#).

C. HOOK STRIPS

1. Specify hook strips in classrooms and laboratories and behind doors in offices or as required by the Building Program.
 - a. Locate office doors to provide minimum 3-1/2 inch clearance behind doors.
 - b. See FDM Part 2/Support Docs for Div 03-13/Arch-ID Details/[Hook Strip Details.pdf](#).

END OF DIVISION 06 WOOD, PLASTICS AND COMPOSITES