Wood and Plastics 06.00.00

Description:
The purpose of the section is to highlight the current applicable UMCP Design Standards for minimum requirements expected for basic wood carpentry construction, wood truss design/construction and, architectural woodworking methods applicable to both new and renovated buildings and interiors renovations.

Related Sections:
• TBD

Effective Date:
July 10, 2009

Applicable Standards:
• Refer below

General Requirements
1. Rough Carpentry:
   • Lumber Standards: with PS 1. Comply with PS 20; Plywood standards comply.
   • Grading for lumber and plywood shall be marked on each piece with type, grade, mill and grading agency (APA, WWPA, SPIB, etc.).
   • Minimum thickness for plywood: Roofing - 5/8", Flooring - 3/4"; Walls - 1/2".
   • Pressure-treated Wood: Comply with AWPA Standard C-2 for lumber; C-9 for plywood. Treat with waterborne preservatives per AWPB LP2 for cants, blocking, plates, etc., in connection with roofing and flashing, sills and furring, and other items in contact with masonry or concrete. Kiln-dry after treatment.
   • Fire-retardant Wood Where Required: Comply with AWPA standards with a flame spread rating of 25 or less. Provide UL label for each piece of lumber or plywood.

2. Wood Trusses:
   • Design must be approved and certified by a structural engineer licensed to practice in Maryland.
   • Lumber Standards: Comply with PS 20. All lumber S4S.
   • Truss connector plates shall be manufactured by a member of TPI, complying with TPI quality standards. All plates shall be hot-dipped galvanized, designation G60.
   • Provide a stress diagram showing design loads or a print-out of computer design.

3. Architectural Wood Work:
   • All custom-made wood and plastic laminate faced casework, counter tops and related mill work items shall comply with AWI "Architectural Wood Work Quality Standards."
   • The level of construction (custom, premium, etc.), materials and finishes shall be spelled out for each individual type of item, properly referenced to AWI specifications.
   • Completely detailed shop drawings shall be required, along with samples of all finish materials.
   • Note, that these items are separate and distinct from "Manufactured Case Work."