

SECTION 2

DIVISION 06

WOOD, PLASTICS AND COMPOSITES

DIVISION 6 – WOOD, PLASTICS, AND COMPOSITES

Note: This is a guide for Designers only. Contents shall not be used in lieu of specifications as part of the Designer’s Contract Documents.

GENERAL DESIGN

1.1 GENERAL REQUIREMENTS:

- A. Campus buildings vary on the use of interior woodwork depending on their function. Therefore, the University only reviews specifications provided by the architectural consultant on a project by project basis.
- B. Since the University has used very little wood in the past, most specifications have been adequate. For millwork or areas exposed to view it is recommended to use wood with a moisture content of 19% or below to control shrinkage. The design shall take shrinkage into account if wood is allowed with moisture content greater than 19%.

SUSTAINABILITY

1.2 GENERAL REQUIREMENTS:

- A. Certified Wood: When available, lumber and boards shall be certified by the Forest Stewardship Council (FSC).
- B. Locally Available Wood: Specify wood-based materials and products harvested and manufactured within 500 miles of UNC Charlotte.
- C. Recycled Plastics: Specify plastic products made from the highest practical post-consumer and then post-industrial recycled content
- D. VOC Content for Installation Adhesives and Glues: Comply with the following limits when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - 1. Wood Glues: Not more than 30 g/L.
 - 2. Contact Adhesive: Not more than 250 g/L.
- E. Provide composite wood and agrifiber products with no added urea-formaldehyde.

SECTION 06 1063 – WOOD AND TIMBER CONSTRUCTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and General Provisions of the contract, including General and Supplementary Conditions and Division 1 specifications sections, apply to work in this section.

1.2 DESCRIPTION OF WORK:

- A. Extent of timber construction is shown on drawings and as detailed in this manual.

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1.3 QUALITY ASSURANCE:

- A. All products and construction shall comply with all applicable codes and standards specified in the front of this manual.

PART 2 - PRODUCTS

A. ROUGH LUMBER TIMBERS:

- 1. All wood components shall be fabricated from Southern Yellow Pine. Dimensional members shall be No. 2 or better. All wood shall be surfaced on all sides, all edges, and ends shall have 1/8" radius.
- 2. Wood shall be taken from live trees, free of sweep, rot, loose knots, wane and compressed wood. Wood shall be smooth and relatively free of excessive splinters, checks and splits. Excessively rough, split or checked members shall be rejected.

B. PRESERVATIVE TREATMENT:

- 1. All wood components shall be pressure treated to a net retention of 0.40 lbs. per cubic foot except structural members in ground contact, timbers used as edging or borders, and/or retaining walls which shall be pressure treated to a net retention of 0.60 lbs. per cubic foot.

PART 3 - EXECUTION

3.1 TIMBER BORDERS:

- A. Construct as shown on details in this manual, on existing grade if possible. Hand dress bedding to uniform grade if required. Timbers shall be 8' or longer as much as possible. No section shall be less than 4' in length unless otherwise specified. Joints shall be lap joints as detailed in this manual.

3.2 TIMBER RETAINING WALLS:

- A. Construct as shown on details in this manual and described herein. Walls are to be constructed with tightly fitting timbers, 8' or longer where possible. No timber shall be less than 4' in length unless otherwise specified.
- B. Filter fabric, porous backfill and structural backfill shall be placed as wall goes up. Ties and deadmen shall be placed and surrounded by properly compacted fill as wall is constructed.
- C. Wall height shall not exceed 5'4" unless approved. Where cuts or fills exceed 5'4", a landing not less than 3" wide will be used between upper and lower walls, total maximum height of 11'-0".

SECTION 06 4023 – INTERIOR ARCHITECTURAL WOODWORK

PART 2 - PRODUCTS

2.1 GENERAL:

- A. Standing and running trim, frames, closet and utility shelving, cabinetry and countertops. Comply with AWI Custom standards.

2.2 COUNTERTOPS:

- A. Countertops in restrooms to be solid surface material or stone.

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B. Countertops in areas other than restrooms can be solid surface, stone or plastic laminate.

2.3 WARDROBE SPECIALTIES:

A. Coat and hat racks or hooks, installed in a manner not be hazardous to pedestrians, are required.