SECTION 06 4001

COMMON ARCHITECTURAL WOODWORK REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:

B. Related Sections:
   1. Section 06 1100: Furring and blocking.
   2. Section 09 9324: Filling of nail holes and finishing.

1.2 REFERENCES

A. Architectural Woodwork Institute:

1.3 SYSTEM DESCRIPTION

A. Performance Requirements: AWI Custom Grade is minimum acceptable standard, except where explicitly specified otherwise, for materials, construction, and installation of architectural woodwork.

1.4 SUBMITTALS

A. Product Data: Manufacturer's literature for specialty items and hardware not manufactured by Architectural Woodwork fabricator.

1.5 DELIVERY, HANDLING, AND STORAGE

A. Assemble architectural woodwork at Architectural Woodwork Fabricator's plant and deliver ready for erection insofar as possible.

B. Protect architectural woodwork from moisture and damage while in transit to job site. Unload and store in place where it will be protected from moisture and damage and convenient to use.
PART 2 - PRODUCTS

2.1 MATERIALS

A. Lumber:
   1. Grade:
      a. No defects in boards smaller than 600 sq in 3 871 sq cm.
      b. One defect per additional 150 sq inches 968 sq cm in larger boards.
      c. Select pieces for uniformity of grain and color on exposed faces and edges.
      d. No mineral grains accepted.
   2. Allowable Defects:
      a. Tight knots not exceeding 1/8 inch 3 mm in diameter. No loose knots permitted.
      b. Patches (dutchmen) not apparent after finishing when viewed beyond 18 inches 450 mm.
      c. Checks or splits not exceeding 1/32 inch by 3 inches 1 mm by 75 mm and not visible after finishing when viewed beyond 18 inches 450 mm.
      d. Stains, pitch pockets, streaks, worm holes, and other defects not mentioned are not permitted.
      e. Normal grain variations, such as cats eye, bird's eye, burl, curl, and cross grain are not considered defects.
   3. Use maximum lengths possible, but not required to exceed 10 feet 3 meters without joints. No joints shall occur closer than 72 inches 1 800 mm in straight runs exceeding 18 feet 3 600 mm. Runs between 18 feet 3 600 mm and 10 feet 3 meters may have no more than one joint. No joints shall occur within 72 inches 1 800 mm of outside corners nor within 18 inches 450 mm of inside corners.
   4. Moisture content shall be 6 percent maximum at fabrication. No opening of joints due to shrinkage is acceptable.

2.2 FABRICATION

A. Type One Acceptable Fabricators:
   1. 
   2. 
   3. 
   4. Equal as approved by Architect before bidding. See Section 01 6000.

B. Fabrication Tolerances:
   1. No planer marks (KCPI) allowed. Sand wood members and surfaces with 100 grit or finer.
   2. Maximum Gap: None allowed.
   3. Flushness Variation: 0.015 inch 0.4 mm maximum.
   4. Sanding Cross Scratches: 1/4 inch 6 mm maximum.
   5. Plug screw holes. Screw locations not to be visible beyond 18 inches 450 mm.

C. Fabricate work in accordance with measurements taken on job site.

D. ‘Ease’ sharp corners and edges of exposed members to promote finishing and protect users from slivers. Radius of ‘easing’ shall be uniform throughout Project and between 1/32 and 1/16th of an inch.

E. Fabricate so veneer grain is vertical.

F. Joints:
   1. Use lumber pieces with similar grain pattern when joining end to end.
   2. Compatibility of grain and color from lumber to panel products is required.

G. Install hardware in accordance with Manufacturer’s directions. Leave operating hardware operating smoothly and quietly.
H. Remove or repair damaged surface of or defects in exposed finished surfaces of architectural woodwork to match adjacent similar undamaged surface.

PART 3 - EXECUTION: Not Used

END OF SECTION