SECTION 08210
WOOD DOORS

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

2. Flush wood doors and panels with veneer facings.
3. Prefitting and premachining for fire-rated and 20 minute wood doors.

B. Related Sections:

1. Section 06200 - Finish Carpentry: Wood door frames.
2. Section 08100 - Metal Doors and Frames: Steel frames and doors.
3. Section 08710 - Finish Hardware.
4. Section 08800 - Glazing.
5. Section 09900 - Painting: Site finishing of doors.

1.2 SUBMITTALS:

A. Submit shop drawings and samples.

B. LEED MRc7: Certified Wood
   Provide certification and chain of custody documentation from manufacturer stating that all wood based materials came from Forest Stewardship Council certified sources.

1.3 QUALITY ASSURANCE:

A. Conform to requirements of AWI Quality Standard Section 1300, Custom Grade, and NWWDA I.S. 1 "Industry Standard for Wood Flush Doors". Where conflicts occur the AWI Quality Standard shall govern.

B. Installed Doors and Panels: Conform to NFPA 80 for fire-rated doors as indicated. Test fire-rated door assemblies in accordance with ASTM E152. Provide doors labeled by UL or Warnock Hersey.
C. Destructive Testing: One solid core wood door may be randomly selected by the Architect for destructive testing to determine if the manufacturer has complied with the specifications. The cost of the door will be borne by the manufacturer, provided there are at least 50 doors on the Project.

**DESTRUCTIVE TESTING IS ONLY REQUIRED ON LARGE PROJECTS (MORE THAN 50 DOORS) FOR MANUFACTURERS OTHER THAN THOSE LISTED IN PART 2.**

1.4 **WARRANTY:**

   A. Specific Product Warranty: Submit 2 copies of written agreement on door manufacturer's standard form signed by Manufacturer, Installer and Contractor, agreeing to repair or replace defective doors which have warped (bow, cup or twist) or which show telegraphing of core construction below in face veneers, or do not conform to tolerance limitations of referenced quality standards.

   B. The warranty shall also include refinishing and reinstallation which may be required due to repair or replacement of defective doors.

   C. Warranty for solid core flush interior doors shall be in effect for the lifetime of the installation.

**PART 2 - PRODUCTS**

2.1 **MANUFACTURERS:**

   A. Weyerhaeuser Co.
   B. Algoma Hardwoods, Inc.
   C. Eggers Industries

2.2 **MATERIALS:**

   A. Doors: AWI "PC-5" type, solid particleboard core with solid stiles. Provide mineral core doors with fire-rating as scheduled.

   **LEED EQc4: Low-Emitting Materials**
   Urea-Formaldehyde resin binders are unacceptable.

   B. Faces: AWI Premium Grade plain sliced red oak or birch veneers, both sides. Match existing, adjacent veneers in remodel work.

   **LEED MRc7: Certified Wood**
Wood based materials shall come from sources certified by the Forest Stewardship Council and be classified as "certified wood."

C. Edge Stiles: Solid hardwood to match face veneers without finger jointing.
D. Adhesives: NWWDA I.S. 1.6 Type I.

LEEDEQc4: Low-Emitting Materials
All adhesives must meet or exceed the VOC limits of South Coast Air Quality Management District Rule #1168.

E. Glazing Stops: 20 gage cold-rolled steel channel. For fire-rated doors, provide glazing stops with UL or Warnock Hersey label.

2.3 PREFITTING AND PREPARATION FOR HARDWARE:

A. Prefit and premachine fire-rated and 20 minute wood doors at the factory or at a labeling agency licensed machiner.

B. Comply with the tolerance requirements of AWI for prefitting.

PART 3 - EXECUTION

3.1 CLEARANCES:

A. Non-Fire-Rated Doors: Provide 1/8" at jambs and heads, 1/8" (1/16" per leaf) at meeting stiles on pairs of doors and 1/2" from bottom of door to top of floor finish or covering. Provide 1/4" clearance at thresholds. Bevel doors 1/8" in 2" at lock and hinge edges.

B. Fire Rated Doors: Comply with NFPA 80. Provide proper fit and uniform clearance.

END OF SECTION 08210