

**SECTION 08 14 16**

**FLUSH WOOD DOORS**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. This Section includes solid core doors as follows:
  - 1. Doors with wood-veneer faces and factory finishing.

**1.2 SUBMITTALS**

- A. Product Data: For each type of door. Include factory-finishing specifications.
- B. Shop Drawings: Indicate location, size, and hand of each door; elevation of each kind of door; construction details; location and extent of hardware blocking; mortises, holes, and cutouts; requirements for veneer matching; factory finishing; fire ratings; and other pertinent data.
- C. Samples: For each face material and finish.

**1.3 QUALITY ASSURANCE**

- A. Quality Standard: Comply with NWWDA I.S.1-A, "Architectural Wood Flush Doors."

**PART 2 - PRODUCTS**

**2.1 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. GRAHAM Manufacturing Corp.
  - 2. Mohawk Flush Doors, Inc.
  - 3. Weyerhaeuser Company.

**2.2 DOOR CONSTRUCTION**

- A. Doors for Factory Finish:
  - 1. Grade: Premium, with Grade AA faces.
  - 2. Species and Cut: White birch, rotary cut.
  - 3. Match between Veneer Leaves: Book match.
  - 4. Assembly of Veneer Leaves on Door Faces: Center balance match.
  - 5. Pair and Set Match: Provide for doors hung in same opening or separated only by mullions.

## 2.3 FABRICATION

- A. Fabricate doors in sizes indicated for Project-site fitting.
- B. Factory fit doors to suit frame-opening sizes indicated. Comply with clearance requirements of referenced quality standard for fitting. Comply with requirements in NFPA 80 for fire-rated doors.
- C. Factory machine doors for hardware that is not surface applied.
  - 1. Metal Astragals: Premachine astragals and formed-steel edges for hardware for pairs of fire-rated doors.
- D. Openings: Cut and trim openings through doors to comply with applicable requirements of referenced standards for kind(s) of door(s) required.
  - 1. Light Openings: Trim openings with moldings of material and profile indicated.
  - 2. Louvers: Factory install louvers in prepared openings.

## 2.4 FACTORY FINISHING

- A. General: Finish doors at factory that are indicated to receive finish from manufacturer's full color range.
- B. Grade: Premium.
- C. Finish: NWWDA I.S.1-A System TR-6 catalyzed polyurethane.
- D. Effect: Open-grain finish.
- E. Sheen: Satin.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install doors to comply with manufacturer's written instructions, referenced quality standard, and as indicated.
- B. Job-Fitted Doors: Align and fit doors in frames with uniform clearances and bevels; do not trim stiles and rails in excess of limits set by manufacturer or permitted for fire-rated doors. Machine doors for hardware. Seal cut surfaces after fitting and machining.
  - 1. Comply with NFPA 80 for fire-rated doors.
  - 2. Clearances: Provide 1/8 inch (3.2 mm) at heads, jambs, and between pairs of doors. Provide 3/4 inch from bottom of door to top of decorative floor finish or covering unless otherwise indicated. Where threshold is shown or scheduled,

provide  $\frac{3}{4}$  inch from bottom of door to top of threshold unless otherwise indicated.

- C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.
- D. Factory-Finished Doors: Restore finish before installation if fitting or machining is required at Project site.

END OF SECTION

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