

SECTION 081416 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Samples for factory-finished doors.
- B. Quality Standard: WDMA I.S.1-A.
- C. Fire-Rated Wood Doors: Labeled by a testing and inspecting agency acceptable to authorities having jurisdiction based on testing per NFPA 252 at positive pressure.
 - 1. At stairs and exit passageways, provide doors that have a temperature rise rating of 450 deg F.
- D. Forest Certification: Provide doors produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

PART 2 - PRODUCTS

2.1 DOOR CONSTRUCTION, GENERAL

- A. WDMA I.S.1-A Performance Grade:
 - 1. Heavy Duty unless otherwise indicated.
- B. Particleboard-Core Doors: Provide blocking in particleboard cores or provide structural composite lumber cores instead of particleboard cores for doors with exit devices or protection plates.
- C. Fire-Protection-Rated Doors: Provide core specified or mineral core as needed to provide fire-protection rating indicated. Provide the following for mineral-core doors:
 - 1. Composite blocking where required to eliminate through-bolting hardware.
 - 2. Laminated-edge construction.

2.2 FLUSH WOOD DOORS

- A. Doors for Transparent Finish:
 - 1. Interior Solid-Core Doors: Premium grade, five-ply, particleboard cores.
 - a. Faces: Grade A rotary-cut select white birch.
 - b. Veneer Matching: Pleasing match.

- c. Pair matching.
- d. Continuous matching for doors with transoms.

2.3 LOUVERS AND LIGHT FRAMES

- A. Louvers: Clear anodized aluminum louvers.
- B. Light Frames: Wood beads of same species as door faces.
 - 1. At fire-rated doors provide factory-painted steel frames approved for use in doors of fire-protection rating indicated.

2.4 FABRICATION AND FINISHING

- A. Factory fit doors to suit frame-opening sizes indicated and to comply with clearances specified.
- B. Factory machine doors for hardware that is not surface applied. Locate hardware to comply with DHI-WDHS-3.
- C. Cut and trim openings to comply with referenced standards.
 - 1. Trim light openings with moldings indicated.
 - 2. Factory install glazing in doors indicated to be factory finished.
 - 3. Factory install louvers in prepared openings.
- D. Factory finish doors indicated for transparent finish with manufacturer's standard finish complying with WDMA System TR-6, catalyzed polyurethane for grade specified for doors.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install doors to comply with manufacturer's written instructions, WDMA I.S.1-A and as indicated.
 - 1. Install fire-rated doors to comply with NFPA 80.
- B. Align and fit doors in frames with uniform clearances and bevels. Machine doors for hardware. Seal cut surfaces after fitting and machining.
- C. Clearances: As follows, unless otherwise indicated:
 - 1. 1/8 inch at heads, jambs, and between pairs of doors.
 - 2. 1/8 inch from bottom of door to top of decorative floor finish or covering.
 - 3. 1/4 inch from bottom of door to top of threshold.
 - 4. Comply with NFPA 80 for fire-rated doors.

- D. Repair, refinish, or replace factory-finished doors damaged during installation, as directed by Architect.

END OF SECTION 081416