

SECTION 08 14 23 - MOLDED WOOD DOORS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Section Includes: Interior Door systems with door panels, door frame, and hinge components.
- B. Submittals: Product Data, Door Schedule

PART 2 - PRODUCTS

2.1 GENERAL

- 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. Low-Emitting Materials: Provide doors made with adhesives and composite wood products that do not contain urea formaldehyde.
- D. Factory finish doors and frames with manufacturer's standard primer and opaque finish.
- E. Fabricate door frame with vinyl wrapped foam filled compression design.
- F. Fire-Rated Wood Doors: Labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, based on testing at positive pressure according to NFPA 252 or UL 10C.

2.2 HOLLOW CORE MOLDED-HARDBOARD-FACED DOORS

- A. Basis of Design: Masonite Molded Panel Series Hollow Core Interior Doors
- B. Hollow-Core Doors with Hardboard Faces: Three-ply hollow cores with lock blocks on both sides.
- C. Door Panel: Loose lay-up assembly that includes molded wood fiber facings, wood or MDF rails and corrugated cell core. Door facings shall be bonded to stiles, rails and core forming a 3-ply structural attachment. Provide water-based latex primer on door facings.
 - 1. Thickness: 1 3/8" or 1 3/4"; refer to Door Schedule
 - 2. Hinges: 3 1/12" for 1 3/8" door; 4" for 1 3/4" door.
 - 3. Provide face bore for locks and dead-locks in the area of solid internal supports.
- D. Door Frame: Wood 2-piece split jamb. Prepare frame for hinges and strike
- E. Hinges: Provide 3 standard weight radius mortise hinges on doors up to 7'-0" height. Provide 4 hinges on doors greater than 7'-0".
- F. Sound transmission Class (STC) rating (1 3/8"): 27.
- G. Warranty: 1-year (limited)

2.3 WOOD-EDGE HD STEEL ENTRY DOORS

- A. Basis of Design:
 - 1. Masonite HD Wood-Edge High-Definition Steel Entry Doors; 20-minute rating
- B. Door Frame: Wood, single rabbet design. Machine frame for hinges, strike and weatherstripping.
- C. Door Panel Provide water-based latex primer on door facings.
 - 1. Faces: .0215-inch-thick hot-dipped galvanized steel.
 - 2. Core: High performance polyurethane foam (2.0 pcf)
 - 3. Thickness: 1 3/4"
 - 4. Hinges: 4"
 - 5. Provide face bore for locks and dead-locks in the area of solid internal supports.
 - 6. Weatherstripping: Fabricate bottom of door to receive weather seal.
 - 7. Panel Configuration: As indicated.
- D. Hinges: Provide 3 standard weight radius mortise hinges on doors up to 7'-0" height. Provide 4 hinges on doors greater than 7'-0".
- E. Sound transmission Class (STC) rating: 24 (solid door).
- F. Warranty: 5-year

2.4 STEEL-EDGE HD STEEL ENTRY DOORS

- A. Basis of Design:
 - 1. Masonite HD Steel-Edge High-Definition Steel Entry Doors; up to 90-minute rating.
- B. Core: High performance polyurethane foam (2.0 pcf)
- C. Weatherstripping: Fabricate bottom of door to receive weather seal.
- D. Door Frame: Wood, single rabbet design. Machine frame for hinges, strike and weatherstripping.
- E. Door Panel Provide water-based latex primer on door facings.
 - 1. Faces: .0215-inch-thick hot-dipped galvanized steel.
 - 2. Core: High performance polyurethane foam (2.0 pcf)
 - 3. Thickness: 1 3/4"
 - 4. Hinges: 4"
 - 5. Provide face bore for locks and dead-locks in the area of solid internal supports.
 - 6. Panel Configuration: As indicated.
- F. Hinges: Provide 3 standard weight radius mortise hinges on doors up to 7'-0" height. Provide 4 hinges on doors greater than 7'-0".
- G. Sound transmission Class (STC) rating: 22 (solid door).
- H. Warranty: 15-year

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with WDMA's "How to Store, Handle, Finish, Install, and Maintain Wood Doors."
 - 1. Install fire-rated doors to comply with NFPA 80.
- B. Align and fit doors in frames with uniform clearances and bevels.

END OF SECTION 08 14 23