

## SECTION 08 14 00

WOOD DOORS  
07/06

## PART 1 GENERAL

## 1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

## WINDOW AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

WDMA I.S. 1-A	(1997) Architectural Wood Flush Doors
WDMA I.S. 4	(2000) Water-Repellent Preservative Non-Pressure Treatment for Millwork

## 1.2 SUBMITTALS

Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES.

## SD-02 Shop Drawings

Doors; G, AE

Submit drawings or catalog data showing each type of door unit. Drawings and data shall indicate door type and construction, sizes, thickness, methods of assembly, and glazing,.

## SD-03 Product Data

Doors; G, AE

Accessories; G, AE

Sample warranty; G, AE

## SD-04 Samples

Doors

Prior to the delivery of wood doors, submit a sample section of each type of door which shows veneer, finish, and core construction.

## 1.3 DELIVERY, STORAGE, AND HANDLING

Deliver doors to the site in an undamaged condition and protect against damage and dampness. Stack doors flat under cover. Support on blocking, a minimum of 4 inch thick, located at each end and at the midpoint of the door. Store doors in a well-ventilated building so that they will not be exposed to excessive moisture, heat, dryness, direct sunlight, or extreme changes of temperature and humidity. Do not store in a building under

construction until concrete, masonry work, and paint are dry. Replace defective or damaged doors with new ones.

#### 1.4 WARRANTY

Warrant doors free of defects as set forth in the door manufacturer's standard door warranty.

### PART 2 PRODUCTS

#### 2.1 DOORS

Provide doors of the types, sizes, and designs indicated.

##### 2.1.1 Flush Doors

Conform to **WDMA I.S. 1-A** for flush doors. Provide solid core doors. Hardwood stile edge bands of doors receives a natural finish, compatible with face veneer. No visible finger joints will be accepted in stile edge bands. When used, locate finger-joints under hardware. All doors shall be Forest Products Council certified as constructed from certified renewable lumber sources

##### 2.1.1.1 Interior Flush Doors

Provide staved lumber core, Type II flush doors conforming to **WDMA I.S. 1-A** with faces of premium grade natural birch. Hardwood veneers shall be rotary cut slip matched.

#### 2.2 ACCESSORIES

##### 2.2.1 Door Light Openings

Provide glazed openings with the manufacturer's standard wood moldings. Provide moldings for doors to receive natural finish of the same wood species and color as the wood face veneers.

##### 2.2.2 Additional Hardware Reinforcement

Provide the minimum lock blocks to secure the specified hardware. The measurement of top, bottom, and intermediate rail blocks are a minimum 125 mm 5 inch by full core width. Comply with the manufacturer's labeling requirements for reinforcement blocking, but not mineral material similar to the core.

#### 2.3 FABRICATION

##### 2.3.1 Marking

Stamp each door with a brand, stamp, or other identifying mark indicating quality and construction of the door.

##### 2.3.2 Preservative Treatment

Treat doors scheduled for restrooms, janitor closets and other possible wet locations with a water-repellent preservative treatment and so marketed at the manufacturer's plant in accordance with **WDMA I.S. 4**.

### 2.3.3 Adhesives and Bonds

WDMA I.S. 1-A. Use Type II bond for interior doors. Provide a nonstaining adhesive on doors with a natural finish.

### 2.3.4 Prefitting

Provide factory prefitted doors for the specified hardware, door frame and door-swing indicated. Machine and size doors at the factory by the door manufacturer in accordance with the standards under which the doors are produced and manufactured. The work includes sizing, bevelling edges, mortising, and drilling for hardware and providing necessary beaded openings for glass. Provide the door manufacturer with the necessary hardware samples, and frame and hardware schedules to coordinate the work.

### 2.3.5 Finishes

#### 2.3.5.1 Field Painting

Factory prime or seal doors, and field paint.

## PART 3 EXECUTION

### 3.1 INSTALLATION

Before installation, seal top and bottom edges of doors with the approved water-resistant sealer. Seal cuts made on the job immediately after cutting using approved water-resistant sealer. Fit, trim, and hang doors with a 1/16 inch minimum, 1/8 inch maximum clearance at sides and top, and a 3/16 inch minimum, 1/4 inch maximum clearance over thresholds. Provide 3/8 inch minimum, 7/16 inch maximum clearance at bottom where no threshold occurs. Bevel edges of doors at the rate of 1/8 inch in 2 inch. Door warp shall not exceed 1/4 inch when measured in accordance with WDMA I.S. 1-A.

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