SECTION 08 14 33
STILE AND RAIL WOOD DOORS

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:
1. Interior stile and rail wood doors.
2. Interior stile and rail sidelights.
3. Finishing stile and rail wood doors.
4. Fitting stile and rail wood doors to frames and machining for hardware.
5. Prehanging doors in frames.

1.02 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Indicate location, size, and hand of each door; elevation of each kind of door; construction details not covered in Product Data; and other pertinent data.

C. Samples: Representing typical range of color and grain for each species of veneer and solid lumber required. Finish Sample with same materials proposed for factory-finished doors.

1.03 QUALITY ASSURANCE

A. Safety Glass: Provide products complying with testing requirements in 16 CFR 1201, for Category II materials, unless those of Category I are expressly indicated and permitted.

PART 2 - PRODUCTS

2.01 MATERIALS

A. General: Use only materials that comply with referenced standards and other requirements specified.

2.02 INTERIOR STILE AND RAIL WOOD DOORS

A. Interior Stile and Rail Wood Doors: Interior doors complying with AWI's "Architectural Woodwork Quality Standards," and with other requirements specified.
1. Grade: Premium.
2. Finish: Transparent.
3. Wood Species and Cut for Transparent Finish: Select white maple.
4. Stile and Rail Construction: One of the following:
   a. Clear lumber; may be edge glued for width.
   b. Veneered, structural composite lumber or veneered, edge- and end-glued clear lumber.

B. Glass: Uncoated, clear, fully tempered float glass, 5.0 mm thick, complying with Division 08 Section "Glazing."

C. Hardware: As specified in Section 08 87 10 Door Hardware.

2.03 STILE AND RAIL WOOD DOOR FABRICATION

A. Fabricate stile and rail wood doors in sizes indicated for field fitting.

B. Factory fit doors to suit frame-opening sizes indicated, with the following uniform clearances and bevels unless otherwise indicated:
   1. Clearances: Provide 1/8 inch at heads, jambs, and between pairs of doors. Provide 1/2 inch from bottom of door to top of decorative floor finish or covering. Where threshold is shown or scheduled, provide not more than 3/8 inch from bottom of door to top of threshold.

C. Factory machine doors for hardware that is not surface applied.

D. Glazed Openings: Glaze doors at factory with glass of type and thickness indicated, complying with Division 08 Section "Glazing." Install glass using glazing tapes, complying with ASTM C 920. Secure glass in place with removable wood moldings. Miter wood moldings at corner joints.

E. Side Panels: Fabricate panels to match adjoining doors in materials, finish, and quality of construction.

F. Prehung Doors: Provide stile and rail doors as prehung units including doors, frames, and hardware.

2.04 FINISHING

A. Finish wood doors at woodworking shop.

B. For doors indicated to be shop finished, comply with AWI's "Architectural Woodwork Quality Standards," and with other requirements specified.

C. Transparent Finish:
   1. Grade: Premium.
   2. Finish: AWI conversion varnish or AWI catalyzed polyurethane system.
   3. Staining: Match color of Nevamar plastic laminate, WM8350T Carmel Sagawood.
   4. Effect: Open-grain finish.
   5. Sheen: Satin.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install wood doors to comply with manufacturer's written instructions, AWI's "Architectural Woodwork Quality Standards," and other requirements specified.

B. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.

END OF SECTION 08 14 33