

ARCHITECTURAL SPEC

Door construction, unless specified differently shall include a stave core method that uses a laminated stable wood core sandwiched between veneers. Captiva Traditional Doors use 1/4" solid veneers on all stiles and rails with matching edges to help prevent warp or distortion. Captiva Select Doors use laminated stable wood cores sandwiched between 1/8" veneers for stiles only. Rails will be solid. A unique "beaded tenon" inserted by hand is used instead of dowels creating a similar mortise and tenon connection on all stiles and rails. All raised panels used in both methods shall be manufactured using double panel technology, which virtually eliminates cracking panels by allowing independent movement. Both types of construction are time tested methods and backed by our full warranties.

Multi-lite doors, as true divided lite (TDL), available in Captiva Traditional or Select, with 1/8" single pane or 5/8" IG glass, and wood stops applied to the exterior. Muntin bar widths are 1", 1-1/8", and 1-3/8". Simulated divided light (SDL) with 7/8" SDL bar, and 11/16" duplex muntins. Wood bars applied to both faces of door with the loose stop toward the exterior. SDL is available in Captiva Select doors only.

SECTION 08210

(New 2004 Masterformat number will be 081433)

STILE AND RAIL WOOD DOORS

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Furnish stile and rail wood doors as described in door schedule and shown on drawings. General and Supplementary Conditions as described in Division 1 apply to this Section.

1.02 RELATED SECTIONS

- A. Flush Wood Doors, Section 08210
- B. Metal Doors and Frames, Section 08110
- C. Millwork and Trim, Section 06200
- D. Finish Hardware, Section 08710
- E. Glazing, Section 08800
- F. Painting, Section 09900

1.03 REFERENCES

- A. AWI/AWMAC Quality Standards Illustrated (QSI), 7th Edition
- B. ANSI/W.D.M.A Quality Standards I.S. 1A-04

1.04 SUBMITTALS

- A. Comply with Division 1 - Section 01300 submit 6 complete schedules including shop drawings for approval.
- B. Indicate plans and elevations, materials, surface grain directions, profiles, assembly methods, joint details, fastening methods, accessories, preservative treatments, and schedule of finishes.
- C. Submit 3 samples of veneer, minimum of 6" x 6" illustrating expected range of component finish color and/or grain. The sample shall bear identification of the project, architect or designer, general contractor, woodwork manufacturer, items to which the finish applies and the system utilized to attain the finish.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with AWI Section 1400 [Premium] [Custom] [Economy] Grade quality. (choose one)
- B. Work in this section shall comply with the specified Grade(s) of Work and Section (s) of the current edition of the AWI/AWMAC Quality Standards Illustrated or the current edition of W.D.M.A. Quality Standards

1.06 QUALIFICATIONS

- A. Manufacturers who adhere to the standards of the Architectural Woodwork Institute (AWI), Architectural Woodwork Manufacturers Association of Canada (AWMAC) and the Window and Door Manufacturers Association (WDMA) and are familiar with these standards.

1.07 DELIVERY, STORAGE AND HANDLING

- A. Comply with Division 1- Section 01600.
- B. Store doors on a flat level surface, in a clean, dry, well ventilated area. Keep doors a minimum of 3 1/2" off floor.
- C. Doors shall not be exposed to excessive heat, moisture, dryness or direct sunlight.
- D. Break any protective plastic packaging on site to permit ventilation.
- E. Ensure that the top, bottom and any cut-outs on doors are sealed immediately after removal of protective packaging.
- F. Handle doors with clean, dry hands and/or gloves.
- G. Do not drag doors across one another.

1.08 WARRANTY

- A. Comply with Division 1 - Section 01780
- B. Provide [two] [five] year warranty for all doors.
- C. Include coverage for defective materials, including tolerances for warp and delamination of materials.
- D. Include removal and re-hanging of doors found to be defective

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. CAPTIVA as Manufactured by North Atlantic Corp. Somerset MA, (508) 235-4397
- B. The Maiman Company
- C. Eggers Industries
- D. Approved equal (Approved 6 days prior to bid)

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CAPTIVA

ARCHITECTURAL SPEC (CONT.)

2.02 DOOR CONSTRUCTION

A. Interior non-rated Doors

1. Stiles and rails shall be constructed of Stave Lumber Core material laminated with a minimum 3/4" solid hardwood edge and a minimum [1/8"] [1/4"] "A" grade veneer.
2. Cope and stick joinery of stiles and rails using 1/2" x 4" dowels. Joints to have a minimum of 1 dowel.
3. Muntin bars shall have 1/4" x 2 1/2" dowels at every joint.
4. Pressure fit joints using type 2 water resistant glue.
5. Panels shall be manufactured using a double panel construction of solid wood.
6. Flat panels shall have a minimum thickness of 5/8"
7. Raised panels shall have a minimum thickness of 1 1/2".
8. Panel raise shall be constructed of solid lumber (matching face veneer) and rim banded with mitered corners
9. Louvers shall be 3/8" x 2 1/4" solid lumber or solid MDF for paint grade. Louver slats shall be mortised into stiles and assembled individually.

B. Exterior Doors

3. Stiles shall be constructed of Stave Lumber Core material laminated with a minimum [1/8"] [1/4"] "A" grade veneer
4. Rails shall be solid lumber construction
5. Cope and stick joinery of stiles and rails using 1/2" x 4" dowels. Joints to have a minimum of 1 dowel
6. Muntin bars shall have 1/4" x 2 1/2" dowels at every joint.
7. Pressure fit joints using type 1 waterproof glue and silicone caulk to prevent moisture penetration.
8. Flat Panels shall be constructed of an exterior grade core with a minimum overall thickness of 5/8".
9. Raised panels shall be constructed of an exterior grade core with a minimum overall thickness of 1 5/8".
10. Panel raise shall be constructed of solid lumber (matching face veneer) and rim banded with mitered

corners.

2.03 FABRICATION

- A. Fabricate to AWI Section 1400 [Premium] [Custom] [Economy] Quality Standards. (choose one)
- B. Hardware cutouts are to be pre-machined by the manufacturer. Hinge screw pilot holes shall be prepped by door manufacturer at factory.
- C. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Reseal or refinish any machining alterations required at jobsite prior to installation

2.04 FINISHING MATERIALS AND APPEARANCE

- A. Doors for field finishing.
- B. Raised panel tongues are to be primed prior to assembly when doors are to be painted on-site.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install work in accordance with AWI Quality Standards Section 1700 and NFPA 80 Fire Doors and Windows.
- B. Doors and frames must be installed plumb, square and level.
- C. Clearance between door edges and door frame shall be a minimum of 1/16" on hinge edge and 1/8" on the latch edge and top rail.
- D. Contractors and their personnel engaged in the work shall be able to demonstrate successful experience with work of comparable extent, complexity and quality to that shown and specified.

3.02 ADJUSTING

- A. Adjust work under provisions of AWI Quality Standards Section 1700.
- B. Ensure that doors swing freely and do not bind in their frame. Adjust the finish hardware for proper alignment, smooth operation and proper latching without necessary force or excessive clearance.

END OF SECTION



CAPTIVA