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Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” when editing this section.

Section numbers are from *MasterFormat* 1995 Edition, with numbers from *MasterFormat* 2004 Edition in parentheses. Delete version not required.

SECTION 08216 (08 14 33)

STILE AND RAIL WOOD DOORS

Specifier Notes: This section covers VT Industries Artistry Collection architectural interior stile and rail wood doors. Consult VT Industries for assistance in editing this section for the specific application. Visit www.vtindustries.com/doors/awdSalesReps.aspx to locate a Territory Sales Manager in your region.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Architectural interior stile and rail wood doors.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 06460 (06 48 00) – Wood Frames.

- B. Section 08100 (08 12 00) – Metal Frames.
- C. Section 08710 (08 71 00) – Door Hardware.
- D. Section 08800 (08 80 00) – Glazing.

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. Delete standards not used in this section. This article does not require compliance with standards, but is merely a listing of those used.

- A. AWI/AWMAC/WI Architectural Woodwork Standards, Section 9 – Doors.

1.4 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data.

Specifier Notes: Edit the following sentence as required.

- C. Shop Drawings: Submit manufacturer's shop drawings, including elevations, sections, and details, indicating door construction, dimensions, tolerances, materials, [panels,] [hardware,] [glass] [louvers,] and finish.
- D. Samples:
 - 1. Doors: Submit manufacturer's sample of doors showing materials and finish.

Specifier Notes: Edit the following sentence as required.

- 2. Color: Submit manufacturer's door finish samples, showing range of color variation.
- E. Manufacturer's Certification: Submit manufacturer's certification that doors comply with specified requirements and are suitable for intended application.
- F. Cleaning Instructions: Submit manufacturer's cleaning instructions for doors.
- G. Warranty: Submit manufacturer's standard warranty.

1.5 QUALITY ASSURANCE

- A. Identifying Label: Each door shall bear identifying label indicating:
 - 1. Door manufacturer.
 - 2. Order number.
 - 3. Door number.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery:
 - 1. Deliver doors to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
 - 1. Store doors in accordance with manufacturer's instructions.
 - 2. Store doors in clean, dry area indoors, protected from damage and direct sunlight.
 - 3. Store doors flat on level surface.
 - 4. Do not store doors directly on concrete.
 - 5. Keep doors completely covered. Use covering which allows air circulation and does not permit light to penetrate.
 - 6. Store doors between 50 and 90 degrees F (10 and 32 degrees C) and 25 to 55 percent relative humidity.
 - 7. Do not subject doors to sudden changes in temperature or relative humidity.
- C. Handling:
 - 1. Handle doors in accordance with manufacturer's instructions.
 - 2. Protect doors and finish during handling and installation to prevent damage.
 - 3. Handle doors with clean hands or clean gloves.
 - 4. Lift and carry doors. Do not drag doors across other doors or surfaces.

1.7 WARRANTY

- A. Warrant interior doors for 5 years in interior use against warpage, delamination, and defects in materials and workmanship.
- B. Defects noted during warranty period shall be corrected at no cost to Owner. Corrective work shall include labor and material for repair, replacement, refinishing, and rehanging as required.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. VT Industries, Inc., 890 Central Court, New Albany, Indiana 47150. Toll Free (800) 626-6271. Fax (712) 368-4111. www.vtindustries.com. door_info@vtindustries.com.

2.2 STILE AND RAIL WOOD DOORS

- A. Architectural Interior Stile and Rail Wood Doors: Artistry Collection.

Specifier Notes: Specify Artistry Collection door series and models. Consult VT Industries for Artistry Collection custom stile and rail doors.

- 1. 1000 Series, Wood Panels: Model [1011A] [1021A] [1031A] [1032A] [1041A] [1042A] [1051A] [1052A] [1061A] [1062A] [1063A] [1081A] [1091A].

2. 3000 Series, Glass Panels: Model [3011A] [3021A] [3022A] [3024A] [3032A] [3041A] [3042A] [3052A] [3061A] [3062A] [3063A] [3081A] [3091A] [3101A] [3121A] [3151A] [3181A].
3. 5000 Series, Wood and Glass Panels: Model [5021A] [5031A] [5071A] [5101A] [5111A] [5131A] [5141A].
4. 7000 Series, Louver Panels: Model [7011A] [7021A].
5. 9000 Series, Wood and Louver Panels: Model [9021A] [9022A].
6. Custom elevations.

Specifier Notes: Specify premium grade construction. Premium grade is standard.

B. Compliance: AWS, Section 9, premium grade.

C. Design:

Specifier Notes: Specify panel type.

1. Panel Type: [Flat] [Raised] [Glass] [Louver].
2. Door Top: Square.
3. Top Panel: Square.

D. Non-Rated Doors: Artistry Collection.

Specifier Notes: Specify dimensions for Artistry Collection non-rated doors. Refer to manufacturer's product listing for approved component dimensions.

1. Door Thickness: [1-3/4 inches] [_____ inches].
2. Stile Width: 6 inches, unless otherwise noted.
3. Mullion Width: 3 inches, unless otherwise noted.
4. Rails:
 - a. Top Rail Width: 6 inches, unless otherwise noted.
 - b. Lock Rail Width: 8-3/4 inches, unless otherwise noted.
 - c. Cross Rail Width: 3 inches, unless otherwise noted.
 - d. Bottom Rail Width: 10 inches, unless otherwise noted.
5. Panels:

Specifier Notes: Specify thickness for flat or raised panels.

- a. Flat Panel Thickness: [1/2 inch] [_____ inch].
- b. Raised Panel Thickness: [1-1/4 inches] [_____ inches].

Specifier Notes: Delete glass if not specified. Doors may be factory glazed or field glazed as determined by the Contractor.

6. Glass:
 - a. Type: _____ .

- b. Thickness: _____ .

Specifier Notes: Specify type of louvers. Delete louvers if not specified.

7. Louvers: [Chevron] [Flat slat] [_____].

Specifier Notes: Specify bar/muntin width and thickness for 3000 and 5000 Series doors only.

8. Bar/Muntin:
a. Width: 1/2 inch.
b. Thickness: 1-3/4 inches.

2.3 DOOR CONSTRUCTION

- A. Stile Edge: Matching hardwood stile edge.
- B. Inner Stile and Rail:
1. Non-Rated Doors and 20-Minute Fire-Rated Doors: Specified wood veneer pressed over structural composite lumber.
- C. Panels:
1. Mitered rim banded panels.
2. Center balanced, book match.
- D. Stile and Rail Joints: Doweled construction.
- E. Hinges and Face Plates: Factory drill pilot holes.

Specifier Notes: Specify sticking used with panels, louvers, or glass.

- F. Sticking Used with [Panels] [Louvers] or [Glass]: [Ovolo] [Square] [Ogee].

2.4 HARDWARE

- A. Factory machine doors in accordance with templates from specified hardware manufacturers and hardware schedule.

2.5 FINISH

- A. Stile and Rail Doors: Manufacturer's factory finish.
- B. Factory Finish: VT Industries factory finish.
1. Description: AWS System 2, precatalyzed lacquer.

Specifier Notes: Omit the stain coat if a clear finish is desired.

- a. Stain coat.
- b. Sealer coat.
- c. Sanding: Sand.
- d. Topcoat: 2 coats.

Specifier Notes: Specify the stain color. Consult VT Industries for custom stain and paint colors and for minimum size of physical sample required for custom color matching.

- C. Stain Color: [Clear] [Alpine] [Grassland] [Oasis] [Ravine] [Savanna] [Timber] [Wheat] [_____].
- D. Top and Bottom Rails: Factory sealed.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine locations to receive doors. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not begin installation until unacceptable conditions are corrected.
- B. Ensure frames are solidly anchored, allowing no deflection when doors are installed.
- C. Ensure frames are plumb, level, square, and within tolerance.

3.2 PREPARATION

- A. Allow doors to become acclimated to building temperature and relative humidity for a minimum of 24 hours before installation.

3.3 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions.

Specifier Notes: Edit the following sentence as required.

- B. Install doors at locations indicated on the [Door Schedule] [Drawings].
- C. Install doors plumb, level, and square.
- D. Install door hardware as specified in Section 08710 (08 71 00).

3.4 ADJUSTING

- A. Adjust doors to swing freely, without binding in frame.
- B. Adjust hardware to operate properly.

- C. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- D. Remove and replace damaged doors that cannot be successfully repaired, as determined by Architect.

3.5 CLEANING

- A. Clean doors promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that could damage finish.

3.6 PROTECTION

- A. Protect installed doors from damage during construction.

END OF SECTION