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May 2010

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 08212 (08 14 17)

ROUTED-FACE PROFILED DOORS

Specifier Notes: This section covers VT Industries Heritage Collection interior routed-face profiled 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. Interior routed-face profiled 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.

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. ANSI A208.2 – Medium Density Fiberboard (MDF) for Interior Applications.
- B. AWI/AWMAC/WI Architectural Woodwork Standards, Section 9 – Doors.
- C. NFPA 80 – Standard for Fire Doors and Other Opening Protectives.
- D. UBC 7-2-1997/UL 10C – Positive Pressure Fire Tests of Door Assemblies.
- E. WDMA I.S.1-A – Architectural Wood Flush Doors.

1.4 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including:
 - 1. Door construction description.
 - 2. WDMA I.S.1-A classification.
 - 3. AWI/AWMAC/WI Architectural Woodwork Standards, Section 9 classification.
- C. Schedules: Submit manufacturer's schedules, including door dimensions, cutouts, species, finish, and hardware. Reference individual door numbers as indicated on the Drawings.
- D. Samples: 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.

Specifier Notes: Include the following paragraph for projects requiring LEED certification.

- F. Environmental Documentation: Submit manufacturer's environmental documentation for the following LEED credits.

Specifier Notes: Include the sentence for the specified core construction.

- 1. MR Credit 4: Recycled Content.
- 2. MR Credit 7: Certified Wood.
- 3. EQ Credit 4.4: Low-Emitting Materials - Composite Wood and Agrifiber Products.

- G. Cleaning Instructions: Submit manufacturer's cleaning instructions for doors.
- H. Warranty: Submit manufacturer's standard warranty.

1.5 QUALITY ASSURANCE

- A. Tolerances for Warp, Telegraphing, Squareness, and Prefitting Dimensions: WDMA I.S.1-A.
- B. Identifying Label: Each door shall bear identifying label indicating:
 - 1. Door manufacturer.
 - 2. Order number.
 - 3. Door number.
 - 4. Fire rating, if applicable.

Specifier Notes: Delete the following paragraph if fire-rated doors are not required.

- C. Fire-Rated Doors: Labeled by Intertek/Warnock Hersey.
 - 1. Construction Details and Hardware Application: Approved by labeling agency.

Specifier Notes: Edit the following paragraph as required. Delete if positive-pressure opening assemblies are not required.

- D. Positive-Pressure Opening Assemblies: UBC 7-2-1997/UL 10C.
- E. Environmental Responsibility: Provide doors manufactured with the following environmentally responsible components:

Specifier Notes: Include the sentences for each specified component.

- 1. Core:
 - a. Medium-Density Fiberboard (MDF):
 - 1) Pre-consumer recycled content.
 - 2) No added urea formaldehyde.
 - 3) Forest Stewardship Council (FSC) certified.
- 2. Stiles and Rails:
 - a. Structural Composite Lumber (SCL): No added urea formaldehyde.
- 3. Face:
 - a. High-Density Fiberboard (HDF):
 - 1) Pre-consumer recycled material.
 - 2) No added urea formaldehyde.

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.

2. Package doors individually in polybags.

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 30 to 50 percent 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 ENVIRONMENTAL REQUIREMENTS

- A. Do not subject doors to extreme conditions or changes in temperature or relative humidity in accordance with WDMA I.S.1-A.

1.8 WARRANTY

- A. Length of Warranty for Solid Core, Interior Doors: 5 years 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 ROUTED-FACE PROFILED DOORS

- A. Interior Routed-Face Profiled Doors: Heritage Collection.

Specifier Notes: Specify the door elevation. Consult VT Industries for availability and options for Heritage Collection custom routed-face profiled doors.

1. Elevation: [FS1011H] [FS1021H] [FS1031H] [FS1041H] [FS1042H] [FS1052H] [FS1062H] [FA1021H] [FA1031H] [FA1032H] [FC1011H] [FC1021H] [FC1031H] [FC1032H].

2. Compliance: WDMA I.S.1-A.
 - a. Quality Grade: Premium grade, heavy duty.

Specifier Notes: Specify the routing profile.

3. Routing Profile: [VT 2] [VT 3] [VT 4].
4. Core: Medium-density fiberboard (MDF), ANSI A208.2.
5. Face: High-density fiberboard (HDF), ANSI A208.2.
6. Inner Stiles and Rails: Structural composite lumber (SCL).
 - a. Width: 1-3/8 inches before prefitting.

Specifier Notes: Specify the outer edge finish.

7. Outer Edges: [HDF, primed] [HDF, powder coat].
 - a. Apply before face application.
8. Face Dimensions:
 - a. Stiles: 6 inches.
 - b. Top Rail: 6 inches.
 - c. Bottom Rail: 10 inches.
 - d. Intermediate Rails: 4 inches or 6 inches.
 - e. Vertical Mullions: 4 inches.
 - f. Thickness: 1-3/4 inches.

Specifier Notes: Include the following paragraph for Heritage Collection fire-rated routed-face profiled doors.

- B. Fire-Rated Routed-Face Profiled Doors: Heritage Collection.
 1. 20-Minute, Positive-Pressure, Fire-Rated Doors:
 - a. Maximum Size:
 - 1) Single: 4'-0" by 8'-0".
 - 2) Paired: 8'-0" by 8'-0".

Specifier Notes: Specify the type of lock.

- b. Locks: [Mortise] [Cylindrical].
- c. Flush bolts.
2. Positive Pressure:
 - a. Where UBC 7-2-1997/UL 10C standards for positive pressure apply, doors shall be constructed in accordance with Intertek/Warnock Hersey Category A guidelines.
 - b. Smoke Gasketing: Apply smoke gasketing around frame perimeter to meet S-rating.
 - c. Intertek/Warnock Hersey Category A Guidelines: Edge sealing systems not allowed on frames.

Specifier Notes: The 2007 edition of NFPA 80 requires an annual inspection by the building owner of all fire-rated door assemblies classified as swinging doors with builders' hardware. VT Industries, Inc. "VTsmartdoor™" barcode technology will make the Owner's fire-rated door assembly inspections easier. Consult VT Industries, Inc. for more information.

3. Electronic Barcode: "VTsmartdoor" barcode technology.
 - a. Location: Fire label, hinge stile of doors.
 - b. Provide fire-rated door assembly information required for Owner's annual fire-door inspection in accordance with NFPA 80, Paragraph 5.2.1.

2.3 FABRICATION

- A. Prefit Doors:
 1. Prefit and bevel doors at factory to fit openings.
 2. Prefit Tolerances: WDMA I.S.1-A and AWI/AWMAC/WI Architectural Woodwork Standards, Section 9.
- B. Factory-machine doors for mortised hardware, including pilot holes for hinge screws and lock fronts.

2.4 FINISHES

- A. Doors: Factory finish.

Specifier Notes: Specify the factory finish. Primed finish is standard.

- B. Factory Finish: [Primed] [Powder coat].

Specifier Notes: Include the following sentence if powder-coat factory finish is specified. Specify the powder coat color. Consult VT Industries for minimum size of physical sample required for custom color matching.

- C. Powder Coat Color: [Black] [Dover White] [Lapsis Blue] [Stop Red] [White Sand] [_____].
- D. Top and Bottom Rails: Factory sealed.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine locations to receive doors.
 1. Notify Architect of conditions that would adversely affect installation or subsequent use.
 2. 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 door 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