

## SECTION 06 48 26

### **WOOD VENEER DOOR FRAMES**

#### PART 1 – GENERAL

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Wood Door frames
  - 2. Factory Prefitting and Premachining
  - 3. Fire Ratings
  - 4. Finishing
  
- B. Related Sections
  - 1. Section 01 00 00 – General Requirements
  - 2. Section 06 48 16 – Interior Wood Door Frames
  - 3. Section 08 30 00 – Specialty Doors and Frames
  - 4. Section 08 71 00 – Door Hardware Schedule
  - 4. Section 09 00 00 – Finishes

##### 1.2 REFERENCES

- A. ANSI A208.1 – Urea-formaldehyde Emissions
- B. WDMA I.S.6-A-07 - Window and Door Manufacturers Association.
- C. Architectural Woodwork Institute, 8<sup>th</sup> Edition
- D. NFPA 80 – Fire Doors and Windows
- E. NFPA 252 – Standard Methods of Fire Tests for fire Door Assemblies
- F. UL10-C - positive pressure Fire Rated
- G. QAI – Certification Listings for Fire Doors and Frames
- H. Decorative Hardwoods Association – Veneer grading
- I. ADA Standards

##### 1.3 SUBMITTALS

- A. Submittals for Review: Shop Drawings: Show locations, elevations, dimensions, fire ratings, and preparation for hardware
  
- B. Warranty: Material shall be warrantied for 2 years from time of delivery. See Manufacturer's warranty for scope and details of inclusions and exclusions.
  
- C. Samples:
  - 1. Provide 12" sample if requested by architect showing specified construction, stop detail.
  - 2. For pre-finishing– submit sample of veneer for review and approval.
  
- D. Storage and Handling:
  - 1. Do not deliver doors and frames until building is closed in from water and weather, and HVAC system is up and operational.
  - 2. Doors and Frames shall be stored and handled in accordance with the manufacturer's recommendations and the WDMA standards

3. Doors and Frames shall be stored on a flat and level surface in a well ventilated dry building. Do ensure doors are protected from water and neglect. Do not expose doors or frames to extreme heat or humidity.
4. Handle frames with clean hands or gloves. Do not drag across floors or other surfaces.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

#### A. Acceptable Manufacturers,

1. **Grandoor Frames.** [www.grandoorframes.com](http://www.grandoorframes.com) 866-433-7263
2. Approved equal, must meet design and performance standards of the specified basis of design and must be approved by owner and architect in accordance with Section 01600. Single source manufacturer must be able to provide non-rated, fire-rated, and sound-rated door frames for continuity of design on project.

### 2.2 NON RATED WOOD FRAMES

- A. Wood frames to be coordinated with door schedule.
- B. Door Frame Core Material: All non-rated wood frames will be finger joint pine or poplar at discretion of manufacturer.
- C. Wood veneers should be A grade per the HPVA (Now called the Decorative Hardwoods Association).
- D. Face Veneers: Veneer must match fire-rated door frames and must be at least 1/42<sup>nd</sup> of an inch thick. If to be painted, material will be at discretion of manufacturer and does not require an additional veneer.
- E. Frame Thickness: Standard 11/16" or 3/4" or thicker if needed.
- F. Non-rated Wood Frames and Doors should be supplied and coordinated by one distributor for improved project coordination.

### 2.3 FIRE RATED WOOD FRAMES

- A. Fire Rated frames to be coordinated with door schedule.
- B. Core: Rated as required wood frames; fire core materials shall be used in accordance to architectural drawings.
- C. Fire Rated Wood Frames and Doors should be supplied and coordinated by one distributor. Door Distributor must include fire rated wood frames in their scope for improved project coordination.
- D. Labels: Fire Rated Wood Door Frames must be labeled by approved independent fire testing agency meeting UL standards.
- E. Face Veneers: Veneer type must match doors and must be at least 1/42<sup>nd</sup> of an inch thick. If to be painted, veneer material will be at discretion of manufacturer.
- F. Edge Details: Edges should match face veneer.
- G. Thickness: 3/4" thick. Consult drawings for details.
- H. Stop dimensions – 5/8" tall x 1-1/2" wide if double rabbet; 5/8" x wall dimension minus 1-7/8" if single rabbet.

- I. STC Sound Rating: Frames should be independently tested for STC ratings to help minimize noise through doors and frames. Preferred testing is STC 35 in sealed condition. Provide documentation of testing.
- J. Concealed Closer: Not applicable unless specified in plan details.

## 2.4 FACTORY PREFITTING AND PREMACHINING

- A. Frames: Premachine door frames at factory.
  - 1. Factory machine wood doors frames in accordance with templates from specified hardware manufacturers and hardware schedule. Premachining should be coordinated by distributor and will supply machining sheets. Manufacturer may require physical hardware samples if it deems necessary
- B. Tolerances: Comply with WDMA tolerance requirements for prefitting.

## 2.5 FACTORY FINISH

- A. Wood Veneer Door Frames: Door frames that are veneered should be clear coated or stained by door frame manufacturer. Finish will be on face and two edges. Distributor may opt to have frames finished by others.
- B. Paint Grade Door Frames: Door frames meant for painting will be provided with a prime coat. Frames should be sanded prior to painting. Frames will be primed on face and two edges. Back priming not provided unless specified.

## PART 3 - EXECUTION

### 3.1 EXAMINATION:

- A. Examine locations to receive wood doors and frames. 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 to wall stud, allowing no deflection when doors are installed.
- C. Ensure frames are plumb, level, square, and within tolerance.

### 3.2 PREPARATION

- A. Condition doors to average humidity that will be encountered after installation.

### 3.3 INSTALLATION

- A. Install in accordance with AWI Section 1700,
- C. Install door frames plumb and level. See manufacturer's installation instructions for details on how to install. Optional angle brackets can be used to secure frame to wall.

- D. Replace one long screw through top hinge into wall stud.
  
- E. If field cutting for height is necessary, cut bottom edge only.  
Seal field cut surfaces with paint or same finish as doors.  
Install door hardware in accordance with Section 08 71 00

**END OF SECTION**