

SECTION 08 1416

FLUSH WOOD DOORS

(AAPG Pre-Hung Interior, Exterior, and Pocket Wood Door Assemblies)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Factory-fabricated flush wood doors, supplied pre-hung with frames and hardware for interior, exterior, and pocket applications.
 - 1. Interior flush wood doors.
 - 2. Exterior flush wood doors.
 - 3. Pocket door assemblies.
 - 4. Door frames, hardware, and accessories.
- B. Related Sections:
 - 1. Section 06 20 23 - Interior Finish Carpentry.
 - 2. Section 08 12 13 - Hollow Metal Frames.
 - 3. Section 08 71 00 - Door Hardware.
 - 4. Section 09 91 00 - Painting.

1.2 REFERENCES

- A. WDMA I.S.1-A - Architectural Wood Flush Doors.
- B. NFPA 80 - Standard for Fire Doors and Other Opening Protectives.
- C. UL 10C / NFPA 252 - Fire Tests of Door Assemblies (for rated openings).
- D. ASTM E90 / E413 - Sound Transmission Class (STC) ratings, where required.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's literature describing door construction, cores, facing, ratings, and hardware.
- B. Shop Drawings: Submit door and frame schedules, elevations, hardware sets, fire and sound ratings, and installation details.
- C. Samples: Submit door facing and finish samples if requested by the Architect.
- D. Certificates: Submit fire-rating labels and independent test reports for rated assemblies.

1.4 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 5 years experience manufacturing and supplying commercial door assemblies.
- B. Fire-Rated Assemblies: Provide labeled assemblies complying with NFPA 80 and tested to UL 10C / NFPA 252.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver doors in factory packaging. Store flat, off the floor, in a dry, ventilated space, protected from moisture and damage. Condition doors to the building environment prior to installation.

1.6 WARRANTY

- A. Provide the manufacturer's standard warranty against defects in materials and workmanship for the applicable interior or exterior door type.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. American Architectural Products Group (AAPG), 248 James St., Venice, FL 34285. Tel: 844-307-9571.

2.2 FLUSH WOOD DOORS

- A. Construction: Solid-core or hollow-core flush wood doors as scheduled, complying with WDMA I.S.1-A.
 - 1. Interior doors: particleboard or structural composite lumber (SCL) core, as scheduled.
 - 2. Exterior doors: weather-resistant core and edges, factory-sealed.
 - 3. Fire-rated doors: mineral core, labeled for the required rating (20, 45, 60, or 90 minutes).
 - 4. Sound-rated doors: acoustic core assemblies with published STC ratings, where scheduled.
- B. Facing: Wood veneer, high-pressure decorative laminate (HPL), or factory-primed hardboard, as scheduled.
- C. Thickness: 1-3/4 in. (44 mm) standard; 1-3/8 in. (35 mm) where scheduled.
- D. Vision Lites and Louvers: Factory-installed as scheduled and compatible with the required fire ratings.

2.3 FRAMES AND HARDWARE

- A. Frames: Wood or hollow-metal frames, prepared for hardware, as scheduled.
- B. Hardware: Furnish hinges, locksets, closers, and accessories per the door hardware schedule and ANSI/BHMA standards.
- C. Pre-Hung Assemblies: Factory-assemble door, frame, and hardware into a complete pre-hung unit ready for installation.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings for correct size, plumb, and square, and for other conditions affecting installation. Proceed only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install pre-hung door assemblies plumb, level, and square in accordance with the manufacturer's instructions and approved shop drawings.
- B. Install fire-rated assemblies in strict compliance with NFPA 80 and the assembly's listing.
- C. Adjust hardware for smooth, quiet operation and proper latching.

3.3 ADJUSTING AND CLEANING

- A. Adjust doors and hardware for proper operation and clearances.
- B. Clean surfaces and protect installed doors from damage until Substantial Completion.
- C. Replace doors that are damaged, warped, or that do not operate properly.

END OF SECTION 08 14 16