SECTION 08 14 16 – FLUSH WOOD DOORS

PART 1 – GENERAL

1.1 RELATED SECTIONS

A. Section 06 10 00 – Rough Carpentry: Blocking, framing, headers, and pocket-door support.

B. Section 08 71 00 – Door Hardware: Heavy-duty pocket-door track, hangers, guides, pulls, privacy hardware, and accessories.

C. Section 09 29 16 – Gypsum Board Assemblies: Pocket wall construction and finishes.

D. Section 09 91 23 – Interior Painting: Field-applied finish coatings for doors and frames.

1.2 SUMMARY

A. Provide solid-core, paint-grade flush wood doors at renovated residential bathrooms where indicated on Drawings.

B. Work includes door fabrication, factory preparation for top-hung pocket-door hardware or standard swing door hardware, preparation for pulls and privacy hardware, and coordination with framing as required.

1.3 REFERENCES

A. Architectural Woodwork Institute (AWI): Applicable standards for architectural flush wood doors.

B. WDMA I.S. 1A – Industry Standard for Architectural Wood Flush Doors.

C. Applicable accessibility requirements governing door opening force and operable hardware.

1.4 SUBMITTALS

A. Product Data: Door manufacturer construction, core, faces, edge construction, thickness, weight, and hardware preparation requirements.

B. Submittal: Door sizes, thicknesses, edge details, hardware preparation, undercuts, pocket clearances, and coordination with pocket frame.

1.5 QUALITY ASSURANCE

A. Provide doors from a manufacturer regularly producing architectural flush wood doors of type specified.

B. Coordinate actual door weight and construction with specified hardware.

C. Verify door construction is suitable for humid bathroom conditions and repeated operation in occupied residential apartments.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver doors in protective packaging identified with manufacturer, opening designation, and door size.

B. Store doors flat or vertically in accordance with manufacturer recommendations in dry, enclosed, conditioned areas protected from moisture, sunlight, construction damage, and excessive temperature or humidity.

C. Do not install damaged, warped, wet, or otherwise defective doors.

1.7 SITE ENVIRONMENTAL REQUIREMENTS

A. Condition doors to building temperature and humidity before installation in accordance with manufacturer requirements.
B. Do not install doors until wet construction operations affecting door openings are substantially complete and spaces are enclosed and dry.

PART 2 – PRODUCTS

2.1 FLUSH WOOD DOORS

A. Door Type: Interior architectural flush wood door, solid core, paint grade, for top-hung pocket-door installation and swing door installation. Interior door height: 6'-8" x width shown on Drawings.
B. Thickness: 1-3/4 inches unless otherwise indicated.
C. Core: Structural composite lumber, particleboard, or other manufacturer standard solid core suitable for heavy-duty interior use and compatible with top-hung sliding hardware and swing door application.
D. Faces: Smooth paint-grade hardboard or medium-density overlay suitable for field-applied opaque finish.
E. Edges: Hardwood or engineered stiles suitable for required hardware preparation and repeated sliding-door use.
F. Top Rail: Reinforce as required for concentrated loads from specified top-mounted pocket-door hangers. Provide manufacturer-approved reinforcement adequate for actual door weight and hardware attachments.
G. Pocket Door Size: As indicated on Drawings and to match existing height within residential apartment. Coordinate width with required clear opening and the requirement for the door to remain partially exposed from the pocket when fully open to maintain access to double-sided pull handles.
H. Swing Door Size: As indicated on Drawings and to match existing height within residential apartment.

2.2 FABRICATION

A. Fabricate doors square, flat, and free of warp. Provide clearances recommended by hardware manufacturers.
B. Provide blocking or internal reinforcement for pocket door hardware attachments where required to prevent crushing, loosening, or pullout under repeated use.
C. Coordinate lock edge preparation for specified privacy mortise lock without compromising structural integrity of door.

2.3 FINISH

A. Finish: Field-painted opaque finish. See Finish Schedule and Legend.
B. Prime door surfaces where required for specified paint system.
C. Seal and finish all six surfaces, including faces, top, bottom, and vertical edges, to limit moisture absorption and warping.

PART 3 – EXECUTION

3.1 EXAMINATION

A. For pocket door: verify pocket framing, track support, jambs, finished wall thickness, floor elevation, and opening dimensions are complete, plumb, level, and suitable for door installation.

1. Verify track and hanger system is properly installed and adjusted before hanging doors.
2. Do not install doors where conditions will prevent smooth, stable operation.

B. For swing doors: verify existing frame conditions and stability and as require patch and repair existing metal frame. Install new metal frames to match existing for the new solid core door(s).

3.2 INSTALLATION

A. Install doors in accordance with door and hardware manufacturers' written instructions.
B. Hang doors plumb and level with uniform clearances.
C. For pocket door:
1. Adjust hangers and guides so doors travel smoothly without binding, rubbing, rattling, or excessive lateral movement.
2. Coordinate fully open position so door remains sufficiently exposed from pocket to allow complete grasping and operation of the specified 12-inch double-sided ladder pulls on both faces.
3. Do not permit ladder pull handles, privacy hardware, or other projecting hardware to enter the wall pocket or strike jambs, trim, wall finishes, or pocket framing.

D. Undercut and edge clearances shall be uniform and appropriate for finished flooring and doors.

3.3 FIELD FINISHING

A. Prepare and paint doors in accordance with Section 09 91 23.
B. Finish all exposed and concealed door edges, including top and bottom edges, before final installation where practical.

3.4 ADJUSTING AND CLEANING

A. Adjust doors and hardware for smooth operation and proper alignment.
B. Remove and replace doors that are warped, damaged, delaminated, or otherwise unacceptable.
C. Clean finished doors and protect from damage until Substantial Completion.

END OF SECTION