# SECTION 081473.20 - WOOD SLIDING DOOR ASSEMBLIES

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

### 1.2 SUMMARY

A. Section Includes:

1. Interior Aluminum-Framed, Top-Hung Sliding Wood Door Assemblies and Related Hardware.

B. Related Sections:

1. Division 01 Section "General Conditions".
2. Division 06 Section "Rough Carpentry".
3. Division 08 Section “Door Schedule".
4. Division 08 Section "Door Hardware Schedule".
5. Division 08 Section "Flush Wood Doors".

C. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ICC/ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 80 - Fire Doors and Windows.
4. NFPA 101 - Life Safety Code.
5. NFPA 105 - Installation of Smoke Door Assemblies.
6. Window and Door Manufacturers Association - WDMA I.S.1-A Architectural Wood Flush Doors.
7. State Building Codes, Local Amendments.

D. Standards: Comply with the following industry standards:

1. UL 1784 Standard for Air Leakage Tests of Door Assemblies and Other Opening Protectives.

### 1.3 PRE-INSTALLATION MEETINGS

A. Pre-installation Conference: Refer to Division 01 Section "Project Requirements".

1.4 SUBMITTALS

A. Comply with Division 01 Section "Submittal Procedures".

B. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, door hardware and accessories, and finishes.

C. Shop Drawings: Show details of fabrication and installation, including the following:

1. Assembly elevations and sections indicating dimensions, tolerances, materials, components, hardware, finishes, options, and accessories.
2. Door hardware locations, mounting heights, quantities, and installation requirements.
3. Frame anchorages and wall reinforcement requirements.

D. Samples for Verification: For each type of exposed finish indicated, provide samples below as requested by Architect.

1. Frame finish sample.
2. Door veneer sample.

E. Maintenance Data: For top-hung, sliding door assemblies include in maintenance manuals.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Notify manufacturer immediately of any shipping damage.

C. Storage and Handling Requirements:

1. Store and handle materials in accordance with manufacturer’s instructions.
2. Keep materials in manufacturer’s original, unopened containers and packaging until installation.
3. Store materials in clean, dry area indoors.
4. Protect materials and finish during storage, handling, and installation to prevent damage.

1.6 WARRANTY

A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.

B. Special Warranty: Manufacturer's written warranty agreeing to repair or replace components of the top-hung, sliding door assemblies that fail in materials or workmanship within the specified warranty period. Failures include, but are not limited to, the following:

1. Structural failures.
2. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
3. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.

4. Telegraphing of core construction in wood face veneers exceeding 0.01 inch in a 3-inch span.
5. Failure of operating components to function normally.

C. Warranty includes installation and finishing that may be required due to repair or replacement of defective doors.

D. General Warranty Period: One year from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

A. Aluminum Frames: Aluminum cased opening perimeter frames manufactured with integral C-channel door cavity and acoustic seals.

B. Closing Mechanism: Soft self-closing mechanism integrated with top track.

C. Door Guide: Concealed type door guide.

D. Accessibility Standards: Comply with applicable provisions in Accessibility Guidelines for Buildings and Facilities ICC (ANSI) A117.1 and requirements of authorities having jurisdiction.

### 2.2 MANUFACTURERS

A. Subject to compliance with requirements, provide the named product, or the comparable product by one of the alternate specified manufacturers. Comparable products are subject to review and approval through the submittal process specified.

B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. ASSA ABLOY
2. AD Systems.

### 2.3 INTERIOR TOP-HUNG, SLIDING DOOR ASSEMBLIES

A. Basis-of-Design Manufacturer:

1. ASSA ABLOY RITE SLIDE Sliding Door System (RS).

B. Frame and Door Assembly Components:

1. Single Piece Box Top Track: Extruded aluminum track system with mounting brackets.
2. Fascia: Extruded aluminum with matching integral end caps.
3. Integral Soft-Closer: Soft and self-closing damper mechanism.
4. Concealed Door Bottom Floor Guide.
5. Seal Sets: Integral to frame.
6. Operating Hardware.

C. Specified Wall Thickness:

1. As indicated on Architectural Drawings.

D. Frame Profiles: Extruded aluminum cased frame and trim with integral vertical jamb receiver channel.

1. 1-1/2" Faces.

E. Fascia Profile:

1. Standard: Square.

F. Frame Finish:

1. Standard: Clear Anodized.

G. Framing Anchors and Fastenings: Manufacturer's standard concealed anchors and fastenings.

H. Flush Wood Door Construction:

1. Standard: WDMA I.S.1-A Performance Grade: Extra Heavy Duty; Aesthetic Grade: A Premium.
2. Minimum Thickness: 1-3/4".
3. Core Construction" Particleboard Core Door (PC). Wood fiber based materials complying with ANSI A208.1 Particleboard standard. Grade LD-1.
4. Face Veneer: As selected by Architect.
5. Finish: Comply with referenced standard for factory finishing.
6. LEED Standard: Minimum requirements of LEED MR4 and IEQ4.4.

I. Door Preparation. Doors leafs to be factory machined for hardware including pilot and function holes.

J. Door Hardware Components:

1. General: Heavy-duty, operating door hardware units in sizes, quantities, and types recommended by manufacturer for sliding door assemblies indicated.
2. Cylinders and Keying: Refer to Division 08 Section "Door Hardware".

## 2.4 FABRICATION

A. General: Fabricate top-hung, sliding door assemblies in sizes, profiles, and configurations indicated on Architectural Schedules and Drawings.

B. Factory prepare door assemblies for field installation of door hardware and accessories to greatest extent possible.

# PART 3 - EXECUTION

## 3.1 EXAMINATION

A. Verify dimensions of wall openings.

B. Examine wall openings and conditions, with Installer present, for plumb, level and square, and compliance with requirements for installation tolerances and other conditions affecting performance of the Work. Sliding door operation will be adversely affected by out-of-tolerance framing.

C. Examine surfaces to receive door bottom guide. Floor shall have no height variance throughout the complete sliding operation.

D. Notify Architect of conditions that would adversely affect installation or subsequent use of sliding doors. Proceed with installation only after unsatisfactory conditions have been corrected.

## 3.2 DOOR, FRAME AND HARDWARE ASSEMBLY INSTALLATION

A. General: Comply with manufacturer's written installation instructions and approved shop drawings.

B. Install frame components and sliding doors plumb, level, square, and in proper alignment.

C. Anchor sliding door assemblies securely in place to supports according to manufacturer's written installation instructions.

## 3.3 ADJUSTING AND CLEANING

A. Adjust sliding doors and hardware for smooth operation in accordance with manufacturer's written instructions without binding and with tight fit at contact points and seals. Sliding doors to close against walls without gaps.

B. Repair minor damages to finish in accordance with manufacturer’s written instructions and as approved by Architect.

## 3.4 PROTECTION

A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer that ensure sliding door assemblies are without damage or deterioration at the time of Substantial Completion.

## 3.5 FIELD QUALITY CONTROL

A. Field Inspection (Punch Report): Reference Division 01 Sections “Closeout Procedures”. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.

1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.6 DOOR HARDWARE SETS

A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Refer to Section 080671, Door Hardware Sets, for hardware sets.

END OF SECTION 081473.20