SECTION 08 32 19 - SLIDING WOOD-FRAMED GLASS DOORS

PART 1 - GENERAL

1.1 SUMMARY
A. Section Includes:
   1. Unclad sliding wood-framed glass doors with lift and slide mechanism.

1.2 ACTION SUBMITTALS
A. Product Data: For each type of product.
B. Sustainable Design Submittals:
   2. Chain-of-Custody Qualification Data: For manufacturer and vendor.
C. Shop Drawings: For sliding wood-framed glass doors.

1.3 INFORMATIONAL SUBMITTALS
A. Product test reports.
B. Sample warranty.

1.4 CLOSEOUT SUBMITTALS
A. Maintenance data.

1.5 QUALITY ASSURANCE
A. Manufacturer Qualifications: A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body.
B. Vendor Qualifications: A vendor that is certified for chain of custody by an FSC-accredited certification body.

1.6 WARRANTY
A. Manufacturer's Special Warranty: Manufacturer agrees to repair or replace sliding wood-framed glass doors that fail in materials or workmanship within specified warranty period.
   1. Warranty Period:
a. Sliding Door: Five years from date of Substantial Completion.
b. Laminated Glass: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.

1. Product Certification: AAMA certified with label attached to each door.

B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:

1. Minimum Performance Class: As required for commercial use, interior exposure.
2. Minimum Performance Grade: As required for commercial use, interior exposure.

2.2 UNCLAD SLIDING WOOD-FRAMED GLASS DOORS


B. Substitutions: See Section 01 25 00 Substitution Procedures.

C. Lift and Slide Mechanism: Lever-handle-operated system of levers and wheels designed to lift the panels off the sill, reducing drag and enabling easy movement of large door panels.

D. Frames and Door Panels: Fabricate from wood components complying with indicated requirements. Provide factory-assembled standard-profile door panels and field-assembled frames.

E. Certified Wood: Wood doors shall be certified as "FSC Pure" or "FSC Mixed Credit" according to FSC STD-01-00 and FSC STD-40-004.

F. Wood Components: Manufacturer's standard LVL or fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

G. Threshold and Sill Cap/Track: Provide flat wood sill with sill cap/track for interior use of thickness, dimensions, and profile indicated; designed to comply with performance requirements for interior use.

1. Color: As selected by Architect from manufacturer’s standard colors.
2. Low-Profile Floor Track: ADA-ABA compliant.

2.3 GLAZING

A. Glass and Glazing: Manufacturer’s standard glazing system that produces weathertight seal.

1. Glass: ASTM C 1036, Type 1, q3, Category II safety glass complying with testing requirements in 16 CFR 1201.
2. Safety Glazing Labeling: Permanently mark safety glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

2.4 HARDWARE

A. General: Provide manufacturer's lift and slide hardware, fabricated from a corrosion-resistant material compatible with wood complying with AAMA 907; designed to smoothly operate, tightly close, and securely lock sliding wood-framed glass doors; and sized to accommodate panel weight and dimensions.

B. Lock: Install keyed cylinder lock per Section 08 71 00 Door Hardware. Provide multipoint locking device on each movable panel, lockable from the inside and outside. Adjust locking device to allow unobstructed movement of the panel across adjacent panel in the direction indicated.

2.5 FABRICATION

A. Fabricate sliding wood-framed glass doors in sizes indicated. Include a complete system for assembling components and anchoring doors.

B. Weather Stripping: Provide full-perimeter weather stripping (for acoustic separation) for each door panel unless otherwise indicated.

C. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

D. Factory-Glazed Fabrication: Glaze sliding wood-framed glass doors in the factory.

2.6 WOOD FINISHES


PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing sliding doors, hardware, accessories, and other components.

B. Install sliding wood-framed glass doors level, plumb, square, true to line, without distortion, without warp or rack of frames and panels, and without impeding thermal movement; anchored securely in place to structural support; and in proper relation to wall flashing, vapor retarders, air barriers, water/weather barriers, and other adjacent construction. Comply with ASTM E 2112.

C. Set sill members in bed of sealant or with gaskets, as indicated, to provide weathertight construction.
D. Separate aluminum and other corroding surfaces from sources of corrosion or electrolytic action at points of contact with other materials according to ASTM E 2112, Section 5.12, "Dissimilar Materials."

E. Adjust operating panels and screens to provide a tight fit at contact points and weather stripping for smooth operation, without binding, and weathertight closure.

F. Adjust hardware for proper alignment, smooth operation, and proper latching without unnecessary force or excessive clearance.

END OF SECTION 08 32 19