**SECTION 08 34 00**

**SpecSlide Surface-Mounted Sliding Door System**

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. SpecSlide Surface-Mounted Sliding Door System.
2. **RELATED SECTIONS**
	1. Section 08 01 17 – Operation and Maintenance of Integrated Door Opening Assemblies.
	2. Section 08 06 71 – Door Hardware Schedule.
	3. Section 08 06 80 – Glazing Schedule.
	4. Section 08 10 00 – Doors and Frames.
	5. Section 08 12 16 – Aluminum Frames.
	6. Section 08 71 00 – Door Hardware.
3. **REFRENCES**
	1. AAMA 607.1 – Voluntary Guide Specification and Inspection Methods for Clear Anodic Finishes for Architectural Aluminum.
	2. AAMA 608.1 – Voluntary Guide Specification and Inspection Methods for Electrolytically deposited Color Anodic Finishes for Architectural Aluminum.
	3. AAMA 2604 – Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix).
	4. [ASTM-B209](#ASTM_B_209) – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
	5. [ASTM-B221](#ASTM_B_221) – Standard Specification for Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
	6. [ASTM-C518](#ASTM_C_518) – Standard test Method for Steady-State Thermal Transmission Properties by Means of Heat Flow Meter Apparatus.
	7. [ASTM-D5116](#ASTM_D_5116) – Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/ Products.
	8. [ASTM-D6670](#ASTM_D_6607) – Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/ Products.
	9. [ASTM-E90](#ASTM_E_90) – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
4. **SUBMITTALS**
	1. Must comply with Section 01 33 00 – Submittal Procedures.
	2. Action Submittals/ Informational Submittals.
		1. Product Data.
			1. Submit manufacturer’s product data sheets, catalog pages illustrating the products, description of materials, components, fabrication, finishes, installation instructions, and applicable test reports.
		2. Shop Drawings.
			1. Submit manufacturer’s shop drawings, including elevations, sections, and details indicating dimensions, tolerances, materials, fabrication, doors, panels, framing, hardware schedule, and finish.
		3. Samples.
			1. Submit manufacturer’s door sample composed of door and finish.
			2. Submit manufacturer’s sample of standard colors for door and frame.
			3. Provide two sets of manufacturer standard samples in Clear 204 R1 finish.
		4. Testing and Evaluation Reports.
			1. Submit testing reports and evaluations provided by manufacturer conducted by and accredited independent testing agency certifying doors and frames comply with specified performance requirements listed in Section 2.04.
		5. Manufacturer Reports.
			1. Manufacturer’s Project References.
				1. Submit list of successfully completed projects including project name, location, name of architect, type, and quantity of doors manufactured.
	3. Closeout Submittals.
		1. Operation and Maintenance Manual.
			1. Submit manufacturer’s maintenance and cleaning instructions for doors and frames, including maintenance and operating instructions for hardware.
		2. Warranty Documentation.
			1. Submit manufacturer’s standard warranty.
5. **QUALITY ASSURANCE**
	1. Manufacturer’s Qualifications.
		1. Continuously engaged in manufacturing of doors of similar type to that specified, with a minimum of 25 years concurrent successful experience.
		2. Door and frame components must be supplied by the same manufacturer.
		3. Evidence of a documented complaint resolution quality management system.
		4. Dealer Success Program.
			1. Manufacturer to provide technical training and project support pre and post installation.
			2. 3D visualization tool available for detailed and user-friendly installation.
6. **DELIVERY, STORAGE, AND HANDLING**
	1. Delivery.
		1. Deliver materials to site in manufacturer’s original, unopened, containers and packaging.
		2. Labels clearly identify elevations.
		3. Inspect frames upon delivery for damage.
			1. Report any damage to manufacturer immediately.
			2. Repair minor damage to polyester finish by using air drying spray enamel of matching color.
			3. Replace frames that cannot be satisfactorily repaired.
	2. Storage.
		1. Store materials in a clean, dry area, indoors in accordance with manufacturer’s instructions.
	3. Handling.
		1. Protect materials and finish from damage during handling and installation.
7. **WARRANTY**
	1. SpecSlide Surface Mounted Sliding Door System.
		1. Special-Lite, Inc. warrants its interior aluminum products to be manufactured free from defective material and faulty workmanship for a period of 5 years from the date of shipment, when the product is installed and used in accordance with the company’s published instructions. This warranty is extended to Special-Lite’s dealers and our authorized distributors, who are acquiring the product directly from Special-Lite. Special-Lite’s only obligation to this warranty is limited to repair or replacement of material, at the sole discretion of Special-Lite, Inc. All material replacement shall be F.O.B. Special-Lite’s current manufacturing location. This warranty will not apply to any of the supplied products that have been subject to abuse, neglect, or damage during shipment or at time of installation. This warranty is limited to manufacturing of the product and does not include any such warranty on installation performed by its dealers, distributors, or other contractors. No warranty is made for any non-standard materials requested, selected, and used at the request of the customer. Special-Lite, Inc. makes no other warranties or representations, either expressed or implied, concerning a product’s fitness for a purpose. In no event will Special-Lite, Inc. be liable for direct, indirect, special, or consequential damages including but not limited to loss of profits or use.
	2. Other Manufacturer’s Products & Hardware used within an Installation.
		1. Special-Lite warrants any hardware or mechanisms that are installed at the plant or in the field by Special-Lite personnel is installed in accordance with the hardware manufacturer’s specifications and instructions. The hardware or mechanism is securely mounted and, in normal usage, will not separate from the door. Special-Lite makes no warranties of any kind as to the other manufacturer’s hardware, mechanisms, or other products that are installed at Special-Lite or in the field by non-Special-Lite personnel. Any such warranty shall be covered by this product manufacturer’s warranty which shall run concurrently with this warranty.
	3. Standard Period.
		1. Five years starting on date of shipment.
	4. Finish
		1. Special-Lite, Inc. warranties the following finishes for the period listed from the date of shipment:
			1. Painted Textured FRP (Pebble Grain, Sandstone, 6-Panel Wood Grain, Rustic Wood Grain, Contemporary Wood Grain): 10 years
			2. Stained Wood Grain FRP (6-Panel Wood Grain, Rustic Wood Grain, Contemporary Wood Grain) face sheets: 5 years
			3. Painted Smooth Fiberglass - Satin (Standard): 5 years
			4. Painted Smooth Fiberglass - Gloss (Optional): 5 years
			5. Painted Aluminum, Fluropon 70% PVDF: 10 years
			6. Through-Colored FRP (Pebble Grain SpecLite 3® FRP, Sandstone): 10 years
			7. Anodized Aluminum: 10 years
			8. Wood Expressions Decorative Finish on Aluminum: 5 Years on non-coastal; 3 years on coastal area installations (installed within three miles of bodies of salt water.)
	5. Use of Special-Lite SL-Series Doors.
		1. All Special-Lite’s SL- and AF- Series doors are covered in accordance with Special-Lite’s Limited 10-year Warranty. SLI Series must be interior installation.
8. **Sustainability**
	1. Sustainability Characteristics.
		1. LEED Declaration.
			1. Entrance Products contribute to point calculations for the following credits:
				1. MR Credit 4.1 Recycled Content 10% (post-consumer = ½ pre-consumer) 1 point.
				2. MR Credit 4.2 Recycled Content 20% (post-consumer = ½ pre-consumer) 1 point.
			2. All aluminum extrusions are produced using prime-equivalent billet produced from 100% reprocessed 6063-T6 alloy recovered from industrial processes. The USGBC classifies these extrusions as pre-consumer recycled material.
			3. Manufacturing facility located within 500 miles of major components and materials, including aluminum extrusions.
			4. The point of recovery and smelting of pre-consumer recycled material within 500 miles of the manufacturing facility.

**PART 2 PRODUCTS**

1. **SpecSlide Surface Mounted Sliding Door System**
	1. Manufacturer.
		1. Special-Lite, Inc.
			1. 860 S. Williams Street, PO Box 6, Decatur, Michigan 49045.
			2. Toll Free (800) 821-6531, Phone (269) 423-7068, Fax (800) 423-7610.
			3. Web Site [special-lite.com](http://www.special-lite.com/).
			4. E-Mail info@special-lite.com.
2. **DESCRIPTION**
	1. SpecSlide Surface Mounted Sliding Door System
		1. SpecSlide Surface Mounted Sliding Door System with Hawa SoftMove 100.
		2. Trigger operated soft closing mechanisms not approved.
		3. System to come with preloaded sliding track to make for ease of installation.
		4. System to include complete gasketing system at all doors to frame interfaces.
		5. System to include all necessary anchors based on specified site conditions.
		6. Concealed Floor Guide.
		7. Closing Assistance.
			1. Standard.
				1. Soft Close/ Soft Open.
			2. Optional.
				1. Soft Close/ Soft Open with Concealed Drop Seal.
				2. Cushioned Close/ Cushioned Open with Concealed Lift and Drop Seal.
		8. Receiver Channel.
			1. 2-piece design for ease of field installation and repair.
			2. Integral channel for flush fit of hardware.
		9. Fascia.
			1. Standard square.
			2. Optional slope.
		10. Endcaps.
			1. Flush fitting endcaps that lock sliding track to wall cleat.
			2. Exposed fasteners on end caps will not be accepted.
		11. Specified Wall Thickness.
			1. Standard.
				1. Choose an item.
		12. Materials.
			1. [See 2.05. A.](#Aluminum_Members)
		13. Perimeter Frame Members.
			1. Type II rectilinear framing system.
			2. Factory fabricated.
			3. Wrap wall for specified wall thickness.
		14. Frame Member to Member Connections.
			1. Secure joints with fasteners.
			2. Provide galvanized steel reinforcing clips.
		15. Optional Sidelite Glazing.
			1. Thickness.
				1. Choose an item.
			2. Able to accept multiple glazing thicknesses.
			3. Vinyl glazing bulb grey or black to match extrusions.
			4. Glazing system designed to allow replacement of glass.
		16. Anchors:
			1. Anchors appropriate for wall conditions to anchor framing to wall materials.
		17. No Substitutions.
3. **DOORS**
	1. Door Leaves.
		1. All doors to be factory machined for hardware including pilot and function holes.
		2. Leading and trailing edge of door to be fully finished.
		3. All doors to be provided by Special-Lite.
	2. 1-3/4” Flush Wood Door.
		1. Specify materials for doors or reference separate section for wood doors.
	3. Aluminum Stile and Rail Door.
		1. Insert Section from Special-Lite Door Supplemental Specification.
	4. Aluminum Flush Doors.
		1. Insert Section from Special-Lite Door Supplemental Specification.
	5. FRP/ Aluminum Hybrid Doors.
		1. Insert Section from Special-Lite Door Supplemental Specification.
	6. Composite Fiberglass Doors.
		1. Insert Section from Special-Lite Door Supplemental Specification.
4. **PERFORMANCE**
	1. SpecSlide Sliding Door System & VT SCL Core Wood Door.
		1. Soft-closing mechanism at both sides of door integrated within top track. The system is factory tested a minimum of 300,000 cycles.
		2. 3rd Party Acoustical Testing
			1. All tests must be performed as operable tests.
			2. Doors used for testing cannot exceed the design weight limit for sliding door system.
			3. Operating force must conform to ADA requirements.
				1. STC 32 with SCL Core Wood Door and bottom seal.
				2. STC 35 with SCL Core Wood Door and top & bottom seal.
	2. SLI Door Panel.
		1. Non operable test of door panel only.
			1. Indoor Air Quality, ASTM-D5116, ASTM-D6607: GreenGuard, GreenGuard Gold.
			2. Sound Transmission, ASTM-E90: STC = 38, OITC = 30.
5. **MATERIALS**
	1. Aluminum Members.
		1. Aluminum extrusions made 6061 or 6063 aluminum alloys.
		2. Sheet and plate to conform to ASTM-B209.
		3. Alloy and temper to be selected by manufacturer for strength, corrosion resistance, and application of required finish, and control of color.
	2. Fasteners.
		1. All exposed fasteners will have a finish to match the material being fastened.
		2. 410 stainless steel or other non-corrosive metal.
		3. Must be compatible with items being fastened.
6. **FABRICATION**
	1. Factory Assembly.
		1. Door and frame components from the same manufacturer.
		2. Required size for door and frame units, shall be as indicated on the drawings.
		3. All cut edges to be free of burs.
		4. Welding of doors or frames is not acceptable.
		5. Maintain continuity of line and accurate relation of planes and angles.
	2. Shop Fabrication
		1. All shop fabrication to be completed in accordance with manufactures process work instructions.
		2. Quality control to be performed before leaving each department.
7. **FINISHES**
	1. SpecSlide Surface Mounted Sliding Door System.
		1. Aluminum.
			1. Anodizing.
				1. Class 2 Anodizing, minimum 0.4 to 0.7 mills thick.

Color.

Choose an item.

* + - 1. Paint.
				1. Aluminum.

Fluropon®.

Topcoat.

70% polyvinylidene difluoride (PVDF) resin, meets or exceeds all AAMA 2605 specifications.

Color.

Consult manufacturer.

* + - 1. Powder Coat.
				1. Special-Lite® Wood Expressions™.

Color.

Choose an item.

Durability against humidity, warping and cracking.

Resists fading from UV rays.

Natural, high-definition grains with the look and feel of real wood.

The durable powder coat protects against scratching.

Meets AAMA 2604 standards.

* + 1. Wood Doors.
			1. Species, finish, or laminate as specified in flush wood door section.
1. **ACCESSORIES**
	1. Hardware.
		1. Pre-machine doors in accordance with templates from specified hardware manufactures and hardware schedule.
		2. Factory install hardware.
		3. Standard Factory Hardware Sets.
			1. Ladder Pulls.
				1. 16” long x 1” diameter.

US630 Satin Stainless Steel.

US622 Matte Black.

* + - * 1. 12” long x 1” diameter.

US630 Satin Stainless Steel.

US622 Matte Black.

* + - * 1. Custom pull handle by request.
			1. Deadlocks (paired with ladder pull).
				1. 5340 – Privacy Deadlock, Coin Turn & ADA Thumb Turn.
				2. 5340i – Privacy Deadlock, Coin Turn w/ Privacy Indicator & ADA Thumb Turn.
				3. 5350 – Office Deadlock, Cylinder & ADA Thumb turn.
				4. 5360 – Patio Deadlock & ADA Thumb Turn.
			2. Mortise Lock with Levers (Single Action Egress).
				1. 9540 – Privacy Lock, Coin Turn w/ Privacy Indicator & ADA Thumb Turn.
				2. 9550 – Office Lock, Cylinder & ADA Thumb Turn.
				3. 9670 – Classroom Lock, Cylinder.
			3. Self-Latching Mortise Lock with Levers (Single Action Egress).
				1. 9610 - Passage Function, Non-Locking.
				2. 9640 - Privacy Lock, Coin Turn w/ Privacy Indicator & ADA Thumb Turn.
				3. 9650 - Office Lock, Cylinder & ADA Thumb Turn.
				4. 9670 – Classroom Lock, Cylinder.
				5. 9680 – Storeroom Lock, Cylinder.
			4. Electronic Mortise Locks with Levers (Single Action Egress).
				1. 97PT40 - Privacy Lock, Coin Turn w/ Privacy Indicator & ADA Thumb Turn.
				2. 97PT50 – Office/Entry Lock, Cylinder & ADA Thumb Turn.
				3. 97PT70 - Classroom Lock, Cylinder.
			5. Self-Latching/Auto Locking Electronic Mortise Locks with Levers
				1. 97ES53 - Entry Lock, Cylinder & ADA Thumb Turn.
			6. Magnetic Lock by Special Lite.
				1. 8035 – Fail Safe, Magnetic Mini Shear Lock.
	1. Glazing Materials.
		1. Vinyl Glazing Bulb.
			1. Color
				1. Choose an item.

**PART 3 EXECUTION**

1. **EXAMINATION**
	1. Examine areas to receive doors.
	2. Notify architect of conditions that would adversely affect installation or subsequent use.
	3. Do not proceed with installation until unsatisfactory conditions are corrected.
2. **PREPARATION**
	1. Ensure installers have been properly trained and have experience installing sliding door systems.
	2. Ensure openings to receive frames are plumb, level, square, and in tolerance.
		1. Maximum Variation from Plumb: 1/16”.
		2. Maximum Variation from Level: 1/16”.
		3. Longitudinal or Diagonal Warp: +/- 1/8” within 10’ span.
3. **ERECTION**
	1. Install doors in accordance with manufacturer’s instructions.
	2. Install doors plumb, level, square, true to line, and without warp or rack.
	3. Anchor the frames securely in place.
	4. Install sliding doors to close against walls without gaps.
	5. Install sliding doors to open and close smoothly.
	6. Repair minor damages to finish in accordance with manufacturer’s instructions and as approved by architect.
	7. Remove and replace damaged components that cannot be successfully repaired as determined by architect.
4. **FIELD QUALITY CONTROL**
	1. Manufacture’s Field Services.
		1. The manufacturer or its representative shall provide technical assistance and guidance for installation of doors.
5. **ADJUSTING**
	1. Adjust doors, sliding hardware, and locksets for smooth operation without binding.
6. **CLEANING**
	1. Clean doors promptly after installation in accordance with manufacturer’s instructions.
	2. Do not use harsh cleaning materials or methods that would damage the finish.
	3. Clean once a year or as needed with a non-acidic or alkaline cleaning product.
7. **PROTECTION**
	1. Protect installed doors to ensure that doors will be without damage or deterioration at time of substantial completion.
8. **Dealer Success Program**
	1. The manufacturer and its representatives can offer a Dealer Success Program which will provide technical training and project support pre- and post-installation of Sliding Doors Assemblies.
	2. Prior to product shipment, the manufacturer or its representatives will offer on-site installation training to the distributor in proper installation techniques.
	3. During construction, before installation, the distributor will provide a random audit of at least 20% of the rough openings to determine if the construction is meeting requirements.
	4. The distributor will offer a Pre-Installation Report based on the findings.
	5. The distributors will provide a Post-Installation Registration Report checking each Sliding Doors Assembly for installation and performance quality.
	6. The distributor will provide hands-on parts inventory and training on replacing or repairing system components that can be damaged in the field.
	7. The manufacturer will provide an audit and report of Sliding Doors Assemblies one year after installation to ensure functionality. The Manufacturer will notify and collaborate with the Facility Manager to rectify any issues impeding the complete functionality of Sliding Door Systems.

**END OF SECTION**