.NOTES TO SPECIFIER

Review and remove any text in BLUE before sending.

Review all alternate manufacturers and edit as necessary.

Edit options are typically flagged in the following manner:

EDIT – choices need decision or detailed review

NOTE – note to specifier regarding selection

OPTION – note when there may be an option for the article and/or paragraph

[font in brackets] = edit options for consideration.

<font in carrots> = marker for inserting additional text

SECTION 08 34 00 – SPECIAL FUNCTION DOORS

1. GENERAL
	1. RELATED DOCUMENTS
		1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
	2. SUMMARY
		1. Section includes:
			1. Interior Aluminum-Framed Top-Hung Sliding Doors
		2. Related Sections:
			1. Section 08 14 16 – Flush Wood Doors
			2. Section 08 13 16 – Aluminum Doors
	3. REFERENCES
		1. ANSI – American National Standards Institute
			1. ANSI 156.18 Materials and Finishes
			2. ANSI A117.1 Specifications for making buildings and facilities usable by physically handicapped people.
		2. BHMA – Builders Hardware Manufacturers Association
		3. DHI – Door and Hardware Institute
		4. NFPA – National Fire Protection Association
			1. NFPA 80 – Fire Doors and Windows
			2. NFPA 101 – Life Safety code
			3. NFPA 105 – Smoke and Draft Control Door Assemblies
			4. NFPA 252 – Fire Tests of Doors Assemblies
		5. AWS – Architectural Woodwork Standards
	4. SUBMITTALS
		1. Comply with Section 01 33 00 – Submittal Procedures
		2. Product Data: Submit manufacturer’s product data, including installation instructions.
		3. Shop Drawings: Submit manufacturer’s shop drawings, including plans, elevations, sections, and details, indicating dimensions, tolerances, materials, components, hardware, finish, options, and accessories. Shop Drawings to show required blocking by others.
		4. Samples: Submit manufacturer’s samples of the following sliding door components:
			1. Door veneer or laminate sample.
			2. Aluminum Frame finish sample.
		5. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
		6. Warranty Documentation: Submit manufacturer’s standard warranty.
		7. Test Reports: Submit acoustical reports or UL1784 as applicable.
	5. QUALITY ASSURANCE
		1. Product Options: Drawings indicate size, profiles, and dimensional requirements of interior aluminum frames and doors.
		2. Source: Obtain sliding aluminum framed doors and hardware from single source.
		3. Manufacturer's Qualifications: Manufacturer regularly engaged for past 5 years in manufacture of sliding doors similar to that specified.
	6. PERFORMANCE
		1. Aluminum perimeter frames with integral acoustic seals at all door/frame interfaces
			1. Architect to verify frame thickness suitable for required application
		2. Soft-closing mechanism at both sides of door integrated with top track. Soft Closers tested to a minimum of 150,000 cycles.
		3. Concealed door guide.
		4. Manufacturer to 3rd party acoustical performance test data
		5. Manufacturer to submit 3rd party test data on air infiltration and/or smoke ratings as applicable
	7. DELIVERY, STORAGE, AND HANDLING
		1. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
		2. Notify manufacturer immediately of any shipping damage.
		3. 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.
2. PRODUCTS
	1. MANUFACTURERS
		1. **AD SYSTEMS** 2201 100th St. SW, Everett, WA 98204 | Website: http://specADsystems.com | Phone: 425-740-6011 | ADSystems.Estimating@allegion.com
	2. INTERIOR SLIDING ALUMINUM-FRAMED DOORS AND PARTITIONS
		1. Manufacturer:
			1. Scheduled Manufacturer: OfficeSlide™ High Performance Barn (Sliding) Door System by AD Systems.
			2. Acceptable Substitute: No Substitution.
		2. Specified Wall Thickness**[4-7/8”] [5-1/4”] [5-7/8”] [7-1/4”]  NOTE:  select wall thickness, delete the rest**
		3. Frame Profiles: Extruded aluminum frame “wrap” frame with integral vertical jamb (stile pocket).
		4. Finish:

**NOTE: Specify standard hardcoat (Kynar) finish in Light Sequin, other custom hardcoat (Kynar or other architectural paint) color option. Consult AD Systems for availability and color charts.**

* + - 1. Standard: Painted Hardcoat (Kynar) Finish. Meets AAMA 2604 Standard Colors: **[Light Sequin 789G048]**
			2. Custom Painted Hardcoat (Kyanar) Finish: **<Specify Color>**.
		1. Frame Profiles: Extruded aluminum frame “wrap” frame with integral vertical jamb (stile pocket).
			1. Profile Dimensions:
				1. [Standard Depth (IM-01) Mullion and Sill] (Option A in sample drawings)
				2. [Full Depth Mullion and Sill] (Option B in sample drawings)
				3. [U-Channel Head & Sill] (Option C in sample drawings)
				4. Vertical Mullions (if applicable): [vertical frames at joints] [no vertical frame, butt glazed]
		2. Door Leaves: all Doors to be factory machined for hardware including pilot and function holes.

**NOTE: Specify material for doors or reference separate specification section for wood doors, wood stile and rail doors, aluminum doors, etc.**

* + - 1. 1-3/4" Flush Wood Door: Reference Spec Section 08 14 16 Wood Doors or other section as applicable. **OR OPTION:** Specify: Solid Timber-Strand Core **<Insert veneer species, cut, stain or plastic laminate>**.
				1. OptionalGlazing: **[monolithic clear tempered] [safety laminated glass] [sound enhanced laminated glass] [integral blinds] [other glass as specified by architect]**.
				2. Standard stile widths are 6” with a 10” bottom rail.
			2. Aluminum Stile & Rail Door: Manufacturer’s standard 1-3/4 inch thick glazed doors with extruded-aluminum tubular stile and rail members. Welded and bolted corner connections.
				1. 3-1/2 inch vertical stiles plus 1/2 inch stop.
				2. 3-1/2 inch Horizontal stiles plus 1/2 inch stop
				3. Optional: **10” bottom Rail.**
				4. Glazing: **[monolithic clear tempered] [safety laminated glass] [sound enhanced laminated glass] [integral blinds] [other glass as specified by architect]**.
			3. Other 1-3/4” Doors. Contact AD Systems.
		1. Door Components:

**NOTE: Specify required components. Delete components not required.**

* + - 1. Single Top Track: AD Systems extruded aluminum track by AD Systems
			2. Valances: Extruded aluminum with integral end caps
			3. Top Rollers: tandem nylon roller sized to match door weight.
			4. Concealed Floor Guide: Integral Jamb floor guide by AD Systems.
			5. Soft-Closers: Soft-closing dampener mechanism at **[one] [both]** sides of door leaf

**[Soft-Closer highly recommended at both sides of the door leaf].** Demonstrate closers as tested to 150k cycles.

* + - 1. Pull Handles:

**Choose 1 below:**

* + - * 1. AD Systems Standard Ladder Pull: 16” long x 1” diameter. Finish: US32D Satin Stainless Steel.
				2. AD Systems Standard Straight Pull: 12” long x 1” diameter. Finish: US32D Satin Stainless Steel.
				3. Flush Pull and custom pull handle by request.
		1. Door Locks (Optional):

|  |
| --- |
|  **If Desired Choose 1 below, if unnecessary delete this section:** |
| * + - 1. Deadbolt Lock including 16-inch Ladder Pull [10 wire “D” Pull] [other pull].

Finish: US32D Standard, other finishes available* + - * 1. AD5450 Office—Keyed lock deadbolt with cylinder and ADA compliant thumbturn
				2. AD5440 Privacy—Deadbolt with emergency coin override and ADA compliant thumbturn
				3. AD5440 I Privacy—Deadbolt with privacy indicator and ADA complaint thumbturn
				4. AD5440 SI Privacy—Deadbolt with sectional indicator 180-degree privacy view and

emergency override.* + - 1. Self-Latching Lock with Single Action Egress (Standard: return to door tubular lever.

Other Lever Options: Contact AD Systems)Finish: US 32D Standard, other finishes available contact AD Systems* + - * 1. AD6450 Office—Keyed lock with Cylinder/ADA compliant thumbturn and back to back
				2. lever trim
				3. AD6440 Privacy—Lock with Coin Override/ADA compliant thumbturn and back to back
				4. lever trim
				5. AD6440 I Privacy—Lock with Privacy Indicator/ADA compliant thumbturn back to back
				6. lever trim
				7. AD6440 SI Privacy – Sectional Indicator 180-degree privacy view and emergency override

 ADA compliant thumbturn and back to back lever trim* + - * 1. AD6010 Passage – Back to back lever trim
			1. Electric Strike with control trim and single action egress
				1. ELEC1—Lever Lock with electronic strike with ladder pull and interior egress lever trim
				2. ELEC2—Lever Lock with electronic strike and cylinder override with back to back

levers for egress* + - 1. Magnetic Lock by AD Systems
 |

**Optional Accessories. If desired, indicate REQUIRED. If not desired, delete options below.**

* + 1. **OPTION:** Self-Closing Spring Mechanism
		2. **OPTION:** Automatic Door Bottom for improved acoustical performance
		3. **OPTION:** Synchronal Door Drive for bi-parting pairs of doors.
		4. Additional hardware functionality can be accommodated. Please contact AD Systems with your hardware requirements and we evaluate system compatibility and create specification language.

1. EXECUTION
	1. EXAMINATION
		1. Examine wall openings to receive sliding doors for plumb, level, and square. Note: Finish door operation will be affected by out of tolerance framing.
		2. Verify dimensions of wall openings.
		3. Examine surfaces to receive top and bottom guide.
		4. Notify Architect of conditions that would adversely affect installation or subsequent use of sliding doors.
		5. Do not begin installation until unacceptable conditions are corrected.
		6. Base of door side to be flush or minimal. Rubber Base acceptable.
	2. INSTALLATION
		1. Install sliding doors in accordance with manufacturer’s instructions at locations indicated on the Drawings.
		2. Install sliding doors plumb, level, square, and in proper alignment.
		3. Install sliding doors to close against walls without gaps.
		4. Install sliding doors to open and close smoothly.
		5. Anchor sliding doors securely in place to supports. Required: Fire treated 2 x 6 blocking required full length of track.
	3. ADJUSTING
		1. Adjust sliding doors for proper operation in accordance with manufacturer’s instructions.
		2. Adjust sliding doors to operate smoothly without binding.
		3. Repair minor damages to finish in accordance with manufacturer’s instructions and as approved by Architect.
	4. CLEANING
		1. Clean sliding doors promptly after installation in accordance with manufacturer’s instructions.
		2. Do not use harsh cleaning materials or methods that could damage materials or finish.
	5. PROTECTION
		1. Protect installed sliding doors from damage during construction.

 END OF SECTION