.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 – XTENDSLIDE™ TELESCOPING SLIDING 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 Accessible and Usable Buildings and Facilities
		2. BHMA – Builders Hardware Manufacturers Association
		3. DHI – Door and Hardware Institute
		4. NFPA – National Fire Protection Association
			1. NFPA 80 – Standard for Fire Doors and Other Opening Protectives
			2. NFPA 101 – Life Safety Code
			3. NFPA 105 – Standard for Smoke Door Assemblies and Other Opening Protectives
			4. NFPA 252 – Standard Methods for 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.
	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 perimeter gaskets by manufacturer
			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.
	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: XtendSlide™ High Performance (Telescoping Sliding) Door System by AD Systems.
				1. **[Inset]**

**[Single direction system with stile pocket/door jamb]**

**[Biparting systems with no stile pocket/door jamb]**

**[2 or 3 doors single direction right]**

**[2 or 3 doors single direction left]**

**[Bypass-dual direction systems with no stile pocket/door jamb]**

**[All doors move in any direction.]**

**[3 or 4 doors]**

**[Bi-parting bypass]**

**[2 doors meet in the middle]**

**[2 doors can open into the middle]**

* + - * 1. **[Surface-Mounted]**

**[Single direction system with stile pocket/door jamb]**

**[Biparting dual direction system with no stile pocket/door jamb]**

**[2 doors single direction right]**

**[2 doors single direction left]**

* + - 1. Acceptable Substitute: No Substitution.
		1. Specified Wall Thickness **[4-7/8”] [5-1/4”] [5-7/8”] [7-1/4”] NOTE:  Select wall thickness, delete the rest.**
		2. Frame Profiles: Extruded aluminum “wraparound” frame. Integral vertical jamb (stile pocket) for single direction system.
		3. 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 (Kynar) Finish: **<Specify Color>**.
		1. 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. Telescoping Top Track(s): 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 closing of door leaf. Demonstrate closers as tested to 150k cycles.
			6. Pull Handles:

**Choose 1 below:**

* + - * 1. **[Inset]**

**[Single direction system with stile pocket/door jamb] [Biparting system with no stile/door jamb]**

AD Systems Standard Ladder Pull: 16” long x 1” diameter. Finish: US32D Satin Stainless Steel.

AD Systems Standard Straight Pull: 12” long x 1” diameter. Finish: US32D Satin Stainless Steel.

Flush Pull and custom pull handle by request.

**[Bypass-Dual direction system with no stile pocket/door jamb]**

Flush pull and custom pull handle by request.

AD Systems single Ladder Pull. 16” long x 1” diameter. Finish: US32D Satin Stainless Steel.

* + - * 1. **[Surface-Mounted]**

**[Single direction system with stile pocket/door jamb] [Biparting system with no stile/door jamb]**

AD Systems Standard Ladder Pull: 16” long x 1” diameter. Finish: US32D Satin Stainless Steel.

AD Systems Standard Straight Pull: 12” long x 1” diameter. Finish: US32D Satin Stainless Steel.

Flush Pull and custom pull handle by request.

* + - 1. Door Locks (Optional)
				1. **[Inset]**

**[Single direction system with stile pocket/door jamb] [Biparting systems with no stile pocket/door jamb]**

[Deadbolt Lock including 16-inch Ladder Pull [10 wire “D” Pull] [other pull]. Finish: US32D Standard, other finishes available

AD5450 Office—Keyed lock deadbolt with cylinder and ADA compliant thumbturn

AD5440 Privacy—Deadbolt with cylinder and ADA compliant thumbturn

AD5440 I Privacy—Deadbolt with privacy indicator and ADA complaint thumbturn

AD5440 SI Privacy—Deadbolt with sectional indicator 180-degree privacy view and emergency override.]

[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

AD6450 Office—Keyed lock with Cylinder/ADA compliant thumbturn and back-to-back lever trim

AD6440 Privacy—Lock with Coin Override/ADA compliant thumbturn and back-to-back lever trim

AD6440 I Privacy—Lock with Privacy Indicator/ADA compliant thumbturn back-to-back lever trim

AD6440 SI Privacy – Sectional Indicator 180-degree privacy view and emergency override ADA compliant thumbturn and back-to-back lever trim

AD6010 Passage – Back-to-back lever trim]

**[Bypass-Dual direction system with no stile pocket/door jamb]**

[Magnetic lock by AD Systems]

[Bolt lock]

* + - * 1. **[Surface-Mounted]**

**[Single direction system with stile pocket/door jamb] [Biparting dual direction system with no stile pocket/door jamb]**

[Deadbolt Lock including 16-inch Ladder Pull [10 wire “D” Pull] [other pull]. Finish: US32D Standard, other finishes available

AD5450 Office—Keyed lock deadbolt with cylinder and ADA compliant thumbturn

AD5440 Privacy—Deadbolt with emergency coin override and ADA compliant thumbturn

AD5440 I Privacy—Deadbolt with privacy indicator and ADA complaint thumbturn

AD5440 SI Privacy—Deadbolt with sectional indicator 180-degree privacy view and emergency override.]

[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

AD6450 Office—Keyed lock with Cylinder/ADA compliant thumbturn and back to back lever trim

AD6440 Privacy—Lock with Coin Override/ADA compliant thumbturn and back to back lever trim

AD6440 I Privacy—Lock with Privacy Indicator/ADA compliant thumbturn back to back lever trim

AD6440 SI Privacy – Sectional Indicator 180-degree privacy view and emergency override ADA compliant thumbturn and back to back lever trim

AD6010 Passage – Back to back lever trim]

[Electric Strike with control trim and single action egress

ELEC1—Lever Lock with electronic strike with ladder pull and interior egress lever trim

ELEC2—Lever Lock with electronic strike and cylinder override with back to back levers for egress]

[Magnetic lock by AD Systems]

* + 1. 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