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. Sliding Barn Doors – flush wood fire rated doors, aluminum frames reinforced with stainless steel and related hardware
      2. Related Sections:
         1. Section 08 14 16 – Flush Wood Doors
         2. Section 08 14 23.16 – Plastic-Laminate-Faced Wood 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. Intertek
         1. UL10B 45 Minute Fire Rating with Hose Stream Test
      6. 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. Steel reinforced aluminum perimeter frames with intumescent seals.
      2. Self-closing mechanism integrated with top track.
      3. Sill mounted door guide.
      4. Self-latching mortise lock with lever.
   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 FIRE RATED SLIDING ALUMINUM-FRAMED DOORS AND PARTITIONS
      1. Manufacturer:
         1. Scheduled Manufacturer: High Performance Fire Rated Sliding Door System by AD Systems.
         2. Acceptable Substitute: No Substitution.
         3. Door Frame, hardware and leaf must be supplied by AD Systems as a 45 minute UL 10B listed and labeled assembly.
      2. Specified Wall Thickness: **<Insert Wall Thickness>**.
      3. Frame Profiles: Extruded aluminum frame with stainless steel interlocking profile.
      4. Finish:

NOTE: Specify standard hardcoat (Kynar) finish in Light Sequin, other custom hardcoat (Kynar) color option or custom powder coat. 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. Door Leafs: All Doors to be factory machined for hardware including pilot and function holes.
       1. 1-3/4" Flush Wood Door: Fire Rated UL10B labeled sliding door leaf to achieve 45 minute listing (leaf must be supplied by AD Systems). Natural Wood Veneer, Plastic Laminate or paint grade finishes. Select from manufacturer website: <http://www.vtindustries.com/for-the-pros/architectural-doors/finishes-colors/>
       2. Optional Glass Lite: Available only by AD Systems as FireLite NT. 100 square inches maximum exposed glazing. Anemostat Lo Pro Lite Kit. Standard size options: [**10x10 or 3x33 or 5x20]. Delete if not desired.**
       3. Stainless steel bottom edge wrap required on door leaf
    2. Single Top Track: AD Systems extruded aluminum track by AD Systems.
       1. Valances: Extruded aluminum with integral end caps
          1. Standard square valance.
    3. Top Rollers: tandem nylon roller sized to match door weight.
    4. Sill Floor Guide: Integral Jamb floor guide by AD Systems.
    5. Soft-Closers: Soft close dampener single close side only.
    6. 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. Mechanical Self closing mechanism by AD Systems required. Hold open détente not permissible on fire-rated assembly. See manufacturer’s installation detail.
    2. Drop seals not permitted on Fire-rated Assemblies
    3. **Optional**: Electo-magnetic door holder by AD Systems for hold-open functionality. **Delete if not desired.**

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 onto a minimum 1 Hour fire rated wall.
      3. Install sliding doors plumb, level, square, and in proper alignment.
      4. Install sliding doors to close against walls without gaps.
      5. Install sliding doors to open and close smoothly.
      6. 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