SECTION 08 3616.13
BARN (SLIDING) DOOR

PART 1 GENERAL

1. SUMMARY
   A. Sliding Barn Doors [flush wood, aluminum and glass or wood stile and rail],
      aluminum frames and related hardware.

2. RELATED SECTION
   A. Section 08 1416 – Flush Wood Door

3. SUBMITTALS

Specifier Notes: Edit submittal requirements as required. Delete submittals not required.

A. Comply with Section 01 33 00 – Submittal Procedures.

B. Product Data: Submit manufacturer’s product data, including installation instructions

C. 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 blocking by
   others.
Specifier Notes: Delete samples if not required.

D. Samples: Submit manufacturer’s samples of the following sliding door components:

1. Stiles, minimum 6 inches long.
2. Panels, minimum 6 inches by 6 inches.

E. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.

F. Warranty Documentation: Submit manufacturer’s standard warranty.

4. QUALITY ASSURANCE

A. Product Options: drawings indicate size, profiles, and dimensional requirements of interior aluminum frames and doors.

B. Source: Obtain sliding aluminum framed doors from single source

C. Manufacturer’s Qualifications: Manufacturer regularly engaged for past 5 years in manufacture of sliding doors similar to that specified.

5. REFERENCES

A. 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.

B. BHMA – Builders Hardware Manufacturers Association

C. DHI – Door and Hardware Institute

D. 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

E. AWS – Architectural Woodwork Standards

6. PERFORMANCE
A. Flame spread test ASTM E-84.03a. Passed IBC Code 2006 Class A, Class B and Class C.

B. Barn door acoustical seals are integrated into the wall module connection detail.

C. Soft self-closing mechanism integrated with top track.

7. DELIVERY: STORAGE AND PROTECTION

A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. 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.

PART 2 PRODUCTS

1. INTERIOR SLIDING ALUMINUM-FRAMED DOORS AND PARTITIONS

   A. Interior Aluminum-Framed Top-Hung Sliding Doors: Model: Aurora High Performance Sliding Door System by Aurora Doors
   B. Specified Wall Thickness: 1/8"
   C. Frame Profiles: Extruded aluminum

Specifier Notes: Specify standard hardcoat (Polyester) finish in Light Sequin or Medium Bronze, other custom hardcoat (Polyester) color option or custom powder coat. Consult Goldfinch Brothers, Inc. for availability and color charts.


2. Custom Painted Hardcoat (Polyester) Finish: [Specify Color]

3. Custom Powder-Coated Finish: [Specify Color]

4. [ ____________ ].
D. Door Leafs. All Doors to be factory machined for hardware including pilot and function holes.

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

1. Flush wood doors to be constructed with SCLC cores. Doors to be 5 ply construction, assembled with hot press methods and matching edges applied before faces. Exposed crossbands not allowed. (Specify Veneer species / Finish options) Wood veneer doors to be factory finished to match wood doors specified in Section 0821416.

2. Full glass doors to be manufactured with structural composite lumber cores (SCLC), with cut out for glass. Minimum 6” stiles and top rail and 10” bottom rails required to maintain warranty. Glass stops to be selected from manufacturer’s standard profiles. Glass insert to be: (1/4” Tempered / 3/8” Laminated/1” IGU) Wood veneer doors to be factory finished to match wood doors specified in Section 0821416. Face materials to be selected by the owner / architect.

3. Plastic laminate doors to be constructed with SCLC cores. Doors to be 5 ply construction, assembled with hot press methods and with matching laminate edges installed before faces. Laminate to be selected from manufacturer’s standard colors, patterns and woodgrains.

4. Aluminum Stile and rail door with glass panel vertical stile width [Medium 4”] [Wide 6”] Horizontal Top Rail width [Medium 4”] [Wide 6”] Horizontal Bottom width [Medium 4”] [Wide 6”] [Tall 10”]

E. Components:
   1. Single Top Track: Aurora Systems track
   3. Valances: Extruded aluminum with integral end caps
   4. Top Rollers: tandem nylon roller sized to match door weight

F. Accessories:
Specifier Notes: Specify required accessories. Delete accessories not required, all accessories listed below are optional.

2. Synchronal Door Drive Coordinator for door pairs.
3. Handles:
   A. Aurora Standard Ladder pull: 16” long x 1” diameter. Finish: US32D Satin Stainless Steel
   B. Aurora Standard Straight Pull: 12” long x 1” diameter. Finish: US32D Satin Stainless Steel
   C. Flush Pull and custom pull handle by request.
4. Door Locks:
   A. Not Required
   B. “ADA Thumbturn Inside only”, FSB Hook bolt lock (Finish US32D)
   C. “ADA Thumbturn inside with occupancy indicator / custodial override outside”, FSB Hook bolt lock (Finish US32D)
   D. “ADA Thumbturn inside with keyed cylinder outside”, FSB Sliding door lock (Finish US32D)
   E. “Keyed cylinder only”, FSB Sliding door lock (Finish US32D)
   F. Magnetic Lock: available upon request. Contact Aurora Doors for specification details
5. [Gaskets for improved acoustical performance: acoustic seal by Aurora Doors.]
6. [Automatic Door Bottom with integrated floor guide for improved acoustical performance]
7. [Other] Note: Additional hardware functionality can be accommodated. Please contact Aurora Doors with your hardware requirements and we will evaluate system compatibility and create specification language.

PART 3 EXECUTION

1. EXAMINATION

   A. Examine wall openings to receive sliding doors for plumb, level, and square. Note: Finish door operation will be affected by out of tolerance framing.
B. Verify dimensions of wall openings.

C. Examine surfaces to receive top and bottom guide.

D. Notify Architect of conditions that would adversely affect installation or subsequent use of sliding doors.

E. Do not begin installation until unacceptable conditions are corrected.

F. Base of door side to be flush or minimal. Rubber Base acceptable.

2. INSTALLATION

A. Install sliding doors in accordance with manufacturer’s instructions at locations indicated on the Drawings.

B. Install sliding doors plumb, level, square, and in proper alignment.

C. Install sliding doors to close against walls without gaps

D. Install sliding doors to open and close smoothly.

E. Anchor sliding doors securely in place to supports. Blocking is required at full width/length of top track.

3. ADJUSTING

A. Adjust sliding doors for proper operation in accordance with manufacturer’s instructions

B. Adjust sliding doors to operate smoothly without binding.

C. Repair minor damages to finish in accordance with manufacturer’s instructions and as approved by Architect

4. CLEANING

A. Clean sliding doors promptly after installation in accordance with manufacturer’s instructions.

B. Do not use harsh cleaning materials or methods that could damage materials or finish.

3.5 PROTECTION

A. Protect installed sliding doors from damage during construction.

5. SUPPLIER

A. As Furnished by Specialty Doors 866-815-815 www.specialtydoors.com

END OF SECTION