

SECTION 08 36 16.13
BARN (SLIDING) DOOR

PART 1 GENERAL

1.1 SUMMARY

- A. Sliding Barn Doors flush wood, aluminum frames, and related hardware.

1.2 RELATED SECTION

- A. Section 08 14 00 - Interior Wood Doors

1.3 SUBMITTALS

- 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.
- 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.

1.4 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.

1.5 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
 - 4. NFPA 252 - Fire Tests of Doors Assemblies.
- E. AWS - Architectural Woodwork Standards

1.6 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. Also, floor plate at threshold. I think it was a rubber flap that dropped down once the door was fully closed.

1.7 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**2.1 MANUFACTURER**

- A. BASIS OF DESIGN: Aurora Doors., Inc. Website: auroradoors.com E-mail: info@auroradoors.com 10910 Holly Drive, Everett, WA 98204 (425-740-6011)

2.2 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
 - 1. Finish: no paint, finished wood like what we saw at group health. See photo.
 - 1. Wood Stain to match interior wood doors. Refer to section 08 14 00 Interior Wood Doors for stain color and instructions.

2. Custom Painted Hardcoat (Polyester) Finish: Refer to 09 05 00 Schedule For Finishes for Paint colors.
- D. Door Leafs. All Doors to be factory machined for hardware including pilot and function holes.
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.
- E. Components:
1. Single Top Track: Aurora Systems track
 2. Valances: Extruded aluminum with integral end caps
 3. Top Rollers: tandem nylon roller sized to match door weight
 4. Wood trim over aluminum frame in patient corridors.
- F. Accessories:
1. Soft-Closer: Soft and Self-closing mechanism at [one] or [both] sides of door leaf.
 2. Handles:
 - A. Aurora Standard Ladder pull: 16" long x 1" diameter. Finish: US32D Satin Stainless Steel
 3. Door Locks:
 - A. "ADA Thumbturn inside with occupancy indicator / keyed cylinder outside", FSB Hook bolt lock (Finish US32D)
 4. Gaskets for improved acoustical performance: acoustic seal by Aurora Doors. (Exam rooms)
 5. Automatic Door Bottom with integrated floor guide for improved acoustical performance this is good too.

PART 3 EXECUTION

3.1 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.

3.2 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.

3.3 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

3.4 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.

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