

**SECTION 08 35 13.13
ACCORDION FOLDING DOORS**

SPEC WRITER NOTES:

1. Delete between // // if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.
2. Do not use for wall to wall room dividers. Use Section 10 22 26.13, ACCORDION FOLDING PARTITIONS.
3. Coordinate cover and hardware finishes with Section 09 06 00, SCHEDULE FOR FINISHES.

PART 1 - GENERAL

1.1 DESCRIPTION:

- A. This section specifies top supported, accordion folding doors.

1.2 RELATED WORK:

- A. Color and Texture of Vinyl or Fabric and Color of Enamel Finish on Steel Track: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURER'S QUALIFICATIONS:

- A. Provide accordion folding doors that are the product of a manufacturer who has provided door units as specified for a minimum of three (3) years.

1.4 PERFORMANCE REQUIREMENTS:

- A. Provide doors that, when fully extended and latched, completely close off opening in which installed.

1.5 SUBMITTALS:

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings: Folding doors, showing each door location and size, and method of installation.
- C. Samples: Vinyl covering; 152 mm (6 inch) square samples of each color and each texture to be used.
- D. Manufacturer's Literature and Data for each door type specified.
- E. Manufacturer's qualifications.

1.6 APPLICABLE PUBLICATIONS:

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.

B. ASTM International (ASTM):

A1008/A1008M-13.....Steel, Sheet, Cold-Rolled, Carbon, Structural,
High-Strength Low-Alloy and High-Strength Low
Alloy with Improved Formability

E84-14.....Surface Burning Characteristics of Building
Materials

C. Wallcovering Association (WA):

W-101.....Polymer Coated Fabric Wall Covering

PART 2 - PRODUCTS

2.1 MATERIALS:

A. Description: Top supported, horizontal sliding, manually operated, accordion type folding doors with chain controlling the spacing and extension of the pantographic or "X" type accordion folding frames. Provide continuous inner and outer covers that cover the folding frames and pleat as the door retracts.

//B. Vinyl Cover: Provide Type II pigmented polyvinyl-chloride fused to mildew resistant cotton fabric topped with stabilized, clear virgin vinyl weighing not less than 567 grams per meter (20 oz. per linear yard).

1. Compliant with WA-W-101.
2. Compliant with the performance standards established for low emitting wall covering by California Department of Public Health (CDPH).
3. Provide vinyl fabric material with maximum flame spread of 25 and a maximum smoke developed rating of 50 when tested in accordance with ASTM E84.
4. See Section 09 06 00, SCHEDULE FOR FINISHES for vinyl color. //

//C. Fabric Cover: Fabric weighing not less than 208 grams per meter (6.7 oz. per linear yard) treated to resist stains.

1. Provide fabric material with maximum flame spread of 25 and a maximum smoke developed rating of 50 when tested in accordance with ASTM E84.
2. See Section 09 06 00, SCHEDULE FOR FINISHES for fabric color. //

D. Sheet Steel: ASTM A1008/A1008M, cold rolled, commercial quality for door tracks, load and jamb posts. The cast or heat analysis report mentioned in ASTM A1008/A1008M is not required.

E. Sweep Seals: Manufacturer's standard top and bottom sweep seals on // both sides // // one side // of door.

2.2 FABRICATION:

- A. General: Provide factory fabricated doors, designed to provide stability and uniform spacing of folds during operation.
- B. Track, Jamb Post, Lead Post, Jamb Channel and Hinges: Rust resistant steel not less than 1.2 mm (0.0478 inch) thick.
 - 1. Provide zinc-coated hinges.
 - 2. Provide track with tread surface contoured for minimum friction.
 - 3. Limit track deflection independent of structural supporting system to no more than 80 percent of bottom clearance.
- C. Trolley: Steel ball bearing type with nylon treads.
- D. Hardware: On each side of door, provide latching device and pull handles and keeper on door frame.
 - 1. Provide manufacturer's standard heavy duty, manually operated metal pulls and latches.
 - 2. See Section 09 06 00, SCHEDULE FOR FINISHES for hardware finishes.

2.3 CONSTRUCTION:

- A. Support door frames at top, without floor guides.
- B. Provide units that are // recessed // // surface // mounted.
- C. Construct doors with collapsible and extendable hinge plates across top and bottom, and weld them to interconnecting vertical steel rods to provide smooth, positive operation so that all sections extend and collapse equally and simultaneously.
- D. Attach covers to frames with concealed fasteners that allow onsite removal and repair.

PART 3 - EXECUTION**3.1 SITE CONDITIONS:**

- A. Verify field dimensions prior to fabrication.

3.2 INSTALLATION:

- A. Anchorage: Secure track to underside of head of door frame with fasteners of size and type as recommended or specified by the door manufacturer.
 - 1. Track is to be centered in door frame and be one (1) piece.
- B. Adjustment: Provide shims or other means as required to make doors fit openings.
 - 1. Install doors so that strike edge member fits tight to jamb for full height of door.

2. Make necessary adjustments to assure that hardware functions as designed.

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