SECTION 08 35 13.13
ACCORDION FOLDING DOORS

SPEC WRITER NOTE: Delete between //----// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs. Do not use for wall to wall room dividers. Use Section 10 22 26.13, ACCORDION FOLDING PARTITIONS.

PART 1 - GENERAL
1.1 DESCRIPTION
This section specifies top supported, accordion folding, vinyl covered doors.

1.2 RELATED WORK
Color and texture of vinyl fabric and color of enamel finish on steel track: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURER'S QUALIFICATIONS
Accordion folding doors shall be the product of a manufacturer regularly engaged in the manufacture of accordion folding doors specified.

1.4 PERFORMANCE REQUIREMENTS
A. When doors are fully extended and latched, they shall provide a complete closure of the opening.
B. When compressed, doors shall stack in a space no greater than 12 mm per 300 mm (1/2 inch per foot) of opening width plus the thickness of the lead post.

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; 150 mm (6 inch) square samples of each color and each texture to be used
D. Manufacturer's Literature and Data (Mark Literature to show items being furnished):
   Folding door(s)

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. American Society for Testing And Materials (ASTM):
A1008/A1008M-10........ Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low Alloy with Improved Formability
E84-10 ................. Surface Burning Characteristics of Building Materials

PART 2 – PRODUCTS

2.1 MATERIALS
A. Vinyl Covering: Pigmented polyvinyl-chloride fused to mildew resistant cotton fabric topped with stabilized, clear virgin vinyl weighing not less than 1000 gpm\(^2\) (27 ounces per square yard). Vinyl shall not peel, craze or crack after repeated operations or long idle standing and shall remain flexible when cold. Vinyl fabric material shall have a maximum flame spread of 25 and a maximum smoke developed rating of 50 when tested by ASTM E84.

B. Sheet Steel: ASTM 1008, cold rolled, commercial quality for door tracks, load and jamb posts. The cast or heat analysis report mentioned in the ASTM is not required.

2.2 FABRICATION
A. General: Doors shall be factory fabricated, and be 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. Hinges shall be zinc-coated. Track shall have tread surface contoured for minimum friction.

C. Trolley: Wheels shall be steel ball bearing type with nylon treads.

D. Hardware: Each side of door shall have latching device and pull handles and keeper on door frame. Exposed hardware shall have finish to harmonize with finish of hardware in room.

2.3 CONSTRUCTION
A. Doors shall be top supported on door frames without floor guides. Tracks shall be concealed with wood strips that match doors and with edges chamfered.

B. 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.

C. Covering shall be fastened to hinges with concealed steel clips.
2.4 FINISH
   A. Except for surfaces of hardware, clean exposed metal surfaces free of
      foreign matter, oil, and grease.
   B. Give surfaces a prime coat of paint; then apply finish coat of baked-on
      enamel.

PART 3 - EXECUTION
3.1 SITE CONDITIONS
   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. Track shall be centered in door frame.
   B. Adjustment: Provide shims or other means as required to make doors fit
      openings. Doors shall be installed so that strike edge member fits
      tight to jamb for full height of door. Make all necessary adjustments
      to assure that the hardware functions as designed.

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