

**SECTION 10 22 26
ACCORDION FOLDING PARTITIONS**

PART 1 - GENERAL

1.1 DESCRIPTION:

- A. This section specifies top supported accordion folding partitions for wall to wall room division.
- B. Vinyl Covered Standard Partitions.

1.2 RELATED WORK:

- A. Overhead supporting structure(s including lateral supports bracing blocking are specified in other sections of the specifications.
- C. Color and texture of vinyl fabric and color of enamel finish on steel: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 MANUFACTURERS QUALIFICATIONS:

Accordion partitions: The product of a manufacturer regularly engaged in the manufacture of such items.

1.4 PERFORMANCE REQUIREMENTS:

- A. The partitions are to provide a complete closure of opening when fully extended and latched.
- B. When compressed, partitions shall stack in a space no greater than 1:8 (1-1/2 inches 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 partition, each type, including methods of installation
- C. Samples:
Vinyl covering, each different partition, six inch square
- D. Manufacturers' Literature and Data (Mark literature to show items to be furnished):
Folding partition.
- F. Manufacturer's Certificates:
Certificate certifying that the partition referred to in the test reports conforms to specification requirements, and that the partitions to be provided for the project are the same in all characteristics as that tested in the laboratory.

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):
 - A1008-10.....Steel, sheet, Cold Rolled, Structural, High Strength Carbon, Low Alloy with Improved Formability
 - E84-10.....Surface Burning Characteristics of Building Materials
 - E90-09.....Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

PART 2 - PRODUCTS

2.1 MATERIALS:

- A. Vinyl Covering:
 - 1. Pigmented polyvinyl-chloride fused to mildew resistant cotton fabric topped with stabilized, clear virgin vinyl.
 - 2. Vinyl shall not peel, craze or crack after repeated operations or long idle standing, and shall remain flexible when cold.
 - 3. Vinyl fabric material shall have maximum flame spread of 25 and maximum smoke developed rating of 50 when tested by ASTM E84.
- B. Sheet Steel:
 - 1. ASTM A1008, cold rolled, commercial quality for partition tracks, lead and jamb posts.
 - 2. The cast or heat analysis report mentioned in the ASTM is not required.

2.2 FABRICATION:

- A. Track:
 - 1. Minimum 2 mm (0.0747 inch) thick sheet steel.
 - 2. Track depth and shape: In accordance with the manufacturer's recommendations for the weight and size of the partition furnished.
 - 3. Steel track: Baked enamel finish.
 - 4. No floor track will be permitted.
- B. Lead and Jamb Posts:
 - 1. 2 mm (0.0747 inch) thick sheet steel.
 - 2. Post depth and shape: In accordance with the manufacturer's recommendations for the weight and size of the partition furnished.

3. Posts: Baked enamel finish.

C. Suspension System:

1. Four wheels for tandem carriers on lead posts and two wheel for intermediate carriers.
2. Wheels: Steel ball bearing with nylon or steel tread, one inch diameter for partitions up to 3900 mm (13 feet) high, and 38 mm (1-1/2 inch) diameter for partitions over 3900 mm (13 feet) high.
3. Intermediate carriers: Placed at every other hinged pair.

D. Frame: Steel, zinc or cadmium coated, with interior bracing at top and bottom, and mechanism for producing pantograph action.

E. Covering:

1. Support vinyl covering over insulating core with outer ply of vinyl material.
2. Covering: Attached to frame, to permit replacement without damage to fabric or framing.

H. Hardware:

1. Each section shall have pull handles each side.
2. Provide latching and locking device to receive standard 28 mm (1-5/32 inch) key cylinder. For lock cylinder, see Section 08 71 00, DOOR HARDWARE.
3. Exposed hardware shall have finish to harmonize with finish of hardware in room.

I. Pivot Switch Assembly:

1. Where shown, provide pivoted switch assembly to swing stacked section against wall.
2. Shop fabricated and of adequate strength to carry required load.
3. Complete with roller at outer end of pivot arms, with retaining spring keepers to prevent partition from running off pivot arm and adjacent track where arm is not in alignment with track, and to hold tracks in alignment.
4. Entire assembly to be concealed and removable.

2.3 FINISHES

A. Steel (Baked Enamel Finish):

1. Clean exposed metal surfaces free of foreign matter, oil and grease, and then give surfaces a prime coat of paint; then apply finish coat of baked-on enamel.
2. Paint all contact surfaces of assembled work (except welded contact surfaces and metal concealed in finished work) with an additional shop coat of similar paint.

PART 3 - EXECUTION

3.1 EXISTING CONDITIONS:

Verify field dimensions prior to fabrication.

3.2 INSTALLATION:

A. Recessed Type Installation: Install so that bottom of track is flush with ceiling.

C. Anchorage:

1. Secure ceiling tracks to structural steel supports or other support system shown with 13 mm (1/2 inch) through-bolts or anchor bolts as appropriate.

2. Provide bolts near each end of track and at intermediate points not more than 600 mm (2 feet) on centers.

D. Adjustment:

1. Provide shims or other means as required to make partitions fit openings properly.

2. Install partitions so that leading edges fit tight to jambs or opposing partition leading edge for full height of partition.

3. Make all necessary adjustments to assure that hardware functions properly.

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