

## SECTION 102239

### FOLDING PANEL PARTITIONS

#### PART 1 - GENERAL

##### 1.01 SUMMARY

###### A. Section Includes:

1. Manually operated, paired folding panel partitions.

###### B. Related Requirements:

1. Division 01 - General Requirements.
2. Section 055000 - Metal Fabrications.
3. Section 061000 - Rough Carpentry.
4. Section 087100 - Door Hardware.
5. Section 092900 – Gypsum Board.
6. Section 095113 – Acoustical Panel Ceilings.

##### 1.02 PROJECT REQUIREMENTS

- A. Performance Requirements: Panels shall furnish a STC of 45 minimum when tested in accordance with ASTM E90.

- B. Regulatory Requirements: Panels shall furnish a Class A flame spread rating when tested in accordance with ASTM E84.

##### 1.03 SUBMITTALS

- A. Shop Drawings: Submit complete Shop Drawings indicating construction and installation details.

- B. Product Data: Submit manufacturer's catalog data indicating products proposed for installation.

- C. Material Samples: Submit manufacturer's vinyl Samples indicating entire color and texture range, for selection by Architect.

##### 1.04 QUALITY ASSURANCE

- A. Comply with the following as a minimum requirement:

1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
2. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
3. ASTM E119 - Standard Test Method for Fire Tests of Building Construction and Materials.

4. ASTM E557 - Standard Guide for Architectural Design and Installation Practices for Sound Isolation between Spaces Separated by Operable Partitions.
  5. FS CCC-W-408A – Wall covering, Vinyl Coated.
- B. Qualifications of Installer: Installer shall be certified and trained by manufacturer to install the products of this section.
- 1.05 DELIVERY, STORAGE AND HANDLING
- A. Deliver panel partitions to the Project site in manufacturer's protective packaging.
  - B. Store panels in a dry, sheltered area protected from exposure to moisture and weather.
  - C. Protect materials from damage.
- 1.06 WARRANTY
- A. Manufacturer shall provide a 2 year material and workmanship warranty.

## PART 2 - PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

A.	Manufacturer	Product Designation	STC
	Modernfold	Acousti-Seal 932 continuously sealed	45

### 2.02 FOLDING PANEL PARTITIONS

- A. Folding panel partitions shall be manually operated, hinged in pairs, center stacking, top supported, with multi-finger vinyl sweep seals activated automatically when panels are in closed position or activated through use of a lever.
- B. Panels shall be 2 3/4-inch thick minimum and shall consist of two face sheets of gypsum board, hardboard or plywood bonded to a wood or metal perimeter frame. Panels shall be supplied in widths as indicated on drawings.
- C. Seals: Vertical seals between panels shall consist of tongue and groove astragals providing a 1/2 inch minimum interlock for panel stability plus light and sound seals. Bottoms and tops of panels shall be equipped with continuous contact multi-finger vinyl sweep seals. Seals shall be easily replaceable without disassembling wall or individual panels.
- D. Suspension system shall consist of a continuous roll formed 11 gage minimum steel track. Each panel shall be supported by a 4-wheel steel ball bearing trolley.
- E. Vinyl Panel Finish: Shall meet or exceed FS CCC-W-408A, Type II, class A flammability per ASTM E84.
- F. Pass door shall be 3-foot by 7-foot flush door. Provide manufacturers standard accessible door assembly.
- G. Door Hardware: Manufacturer's standard accessible type.

- H. Marker boards shall be porcelain enamel steel formed around panel edges, with installed edge molding. Edges shall be dark bronze molding. Marker board and tack boards shall be 48 inches high, located as indicated on Drawings.
- I. Tackboards shall be 48 inches high located as indicated on Drawings. Tack boards shall be fiberboard covered with jute-textured vinyl fabric. Edges shall be trimmed with metal molding, finish as selected by Architect.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Before the Work of this section is started, examine room, floor and supporting framework. Verify that variation in floor surface level is not greater than allowable tolerances recommended by folding panel partition manufacturer. Correct deficiencies before starting the Work of this section.

### 3.02 INSTALLATION

- A. Installation shall be in accordance with manufacturer's written recommendations, and ASTM E557.
- B. Fasten track to structural support with steel hangers or brackets as indicated.

### 3.03 FIELD QUALITY CONTROL

- A. Verification of Performance: The Owner reserves the right to verify performance of in-place systems.
- B. Manufacturer's Field Services: Manufacturer's authorized representative shall visit the Project site at least once a day during installation of the Work of this section.

### 3.04 ADJUSTING

- A. Adjust for smooth and balanced movement of panels on track. Adjust each panel seal for optimum contact and acoustical performance.

### 3.05 CLEANING

- A. Perform final detailed cleaning and dusting, ready for occupancy. Vacuum panel faces and edges of seals.

### 3.06 DEMONSTRATION

- A. Perform demonstration and two hour training session to Owner personnel.
  - 1. Demonstrate operation of panels, from stacked open position to fully sealed position.
  - 2. Instruct in movement and placement of panels and activation of seals.
  - 3. Instruct in removal, repair and reinstallation of typical panel, including readjustment of seals.

3.07 PROTECTION

- A. Protect the Work of this section until Substantial Completion.

3.08 CLEANUP

- A. Remove rubbish, debris, and waste materials and legally dispose of off the Project site.

END OF SECTION