

**SECTION 10 22 26  
OPERABLE PARTITIONS**

**PART 1 GENERAL**

**1.1 SUMMARY**

- A. Section Includes: Operable partitions and pocket doors.
  - 1. Types: Types of operable partitions include:
    - a. Modernfold - Acousti-Seal 931 Folding partitions or an approved equal.
- B. Related Sections: Section(s) related to this section include:
  - 1. Section 05 12 00 Structural Steel Framing
  - 2. Section 06 10 00 Rough Carpentry
  - 3. Section 07 92 00 Joint Sealers.
  - 4. Section 07 21 13 Building Insulation.
  - 5. Section 09 29 00 Gypsum Board.
  - 6. Section 09 51 00 Acoustical Ceilings.
  - 7. Section 09 91 00 Paint.

**1.2 REFERENCES**

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. American Society for Testing and Materials (ASTM):
  - 1. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the reverberation Room Method.
  - 2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 3. ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
  - 4. ASTM E557 Standard Practice for Architectural Application and Installation of Operable Partitions.
- C. Underwriters Laboratories, Inc. (UL):

1. UL File R11095 (R) Special Purpose Type Fire Doors (GSXZ).

### **1.3 SYSTEM DESCRIPTION**

- A. Performance Requirements: Provide operable partitions which have been manufactured, fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

### **1.4 SUBMITTALS**

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA<sup>a</sup> product sheet, for specified products. Include copies of properly identified manufacturer's literature with proposed catalog numbers identified.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns and textures.
  1. Indicate elevations, building locations, conditions at openings with wall thickness and materials, details of construction, location and installation requirements for hardware and operators, shape and thickness of materials, joints and connections, and material finishes.
- D. Samples: Submit selection and verification samples for finishes, colors and textures.
  1. Color Sample: Samples of each color material to be used.
- E. Quality Assurance Submittals: Submit the following:
  1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
  2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics, criteria and physical requirements.
  3. Manufacturer's Instructions: Manufacturer's installation instructions.
  4. Manufacturer's Field Reports: Manufacturer's field reports specified herein.
- F. Closeout Submittals: Submit the following:
  1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.

2. Warranty: Warranty documents specified herein.

#### **1.5 QUALITY ASSURANCE**

- A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
- B. Mock-Ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain VA COR's and acceptance of finish color, texture, pattern and workmanship standards. Comply with Division 1 Quality Control (Mock-Up requirements) Section.

#### **1.6 DELIVERY, STORAGE & HANDLING**

- A. General: Comply with Division 1 Product Requirements Sections.
- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
  - 1. Deliver materials to jobsite and protect unsealed materials from abrasions.
  - 2. Identify each container with material name and identification number.
- D. Storage and Protection: Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.
  - 1. Store materials under cover, protected from weather and construction activities. Provide safe and secure storage of materials prior to installation.
  - 2. Handling: Handle and store product according to Panelfold recommendations.

#### **1.7 PROJECT CONDITIONS**

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

#### **1.8 WARRANTY**

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for VAMC Albany, NY's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a

limitation of, other rights VAMC Albany, NY may have under Contract Documents.

- C. Warranty Period: Two years commencing on Date of Substantial Completion.

## **PART 2 PRODUCTS**

### **2.1 OPERABLE PARTITION**

- A. Manufacturer: Modernfold - Acousti-Seal 931 Folding Partition shall be used as a bases for design. Or Equal products shall match items to include but not limited to, head track, jamb channel, fabric, hardware, color options, finishes, etc. and is subject to final acceptance of VA COR.
- B. Operation: Manually operated flat panels, top supported with top and bottom seals as specified herein.
- C. Panel Configuration: Shall be as follows for areas indicated on drawings:
1. Modernfold - Acousti-Seal 931 Folding Partition or approved equal: Comprised of panels hinged in pairs and center stacking. Final closure shall be effected by expandable panels.
- D. Vinyl Covering:
1. Pigmented polyvinyl-chloride fused to mildew resistant cotton fabric topped with stabilized, clear virgin vinyl weighing not less than 1000 gpm<sup>2</sup> (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.
- E. Sheet Steel:
1. ASTM A1008, cold rolled, commercial quality for partition tracks, load and jamb posts. The cast or heat analysis report mentioned in the ASTM is not required.
- F. General: folding partition shall be factory fabricated, and be designed to provide stability and uniform spacing of folds during operation.
- G. 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. Track shall have tread surface contoured for minimum friction.

3. Steel track: Rust resistant steel not less than 1.2 mm (0.0478 inch) thick. Baked enamel finish.
4. No floor track will be permitted.

H. 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.

I. 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.

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

K. 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.
3. Fabric: 1370 mm (54 inches) wide.

L. Hardware:

1. Each section shall have pull handles each side.
2. Provide latching device as recommended by the folding partition manufacturer to secure partition in place.
3. Exposed hardware shall have finish to harmonize with finish of hardware in room.

M. 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.

## **2.2 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.

### **B. Steel (Prime Finish):**

1. Surfaces of steel work for which baked-on enamel finish is not specified, shall have a light colored prime paint after fabrication.
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.

## **2.3 SOURCE QUALITY**

- A. Source Quality: Obtain operable partition products from a single manufacturer.

## **PART 3 EXECUTION**

### **3.1 MANUFACTURER'S INSTRUCTIONS**

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

### **3.2 EXAMINATION**

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
1. Before installation, verify opening. Surfaces to be clean and dry. Concrete surfaces free of excess mortar and lumps. Wood surfaces are to be well nailed and/or glued, nailed heads driven flush and wood free of voids. Metal surfaces shall be free of grease, oil, dirt, rust, corrosion and welding slag, without sharp edges.

### **3.3 PREPARATION**

A. Surface Preparation: Open containers and verify that required parts are available and undamaged before disposing of containers. Arrange materials in proper sequence to conform to manufacturer's information and installation instructions.

1. Verify that rough opening is correct and has been prepared in conformance with ASTM E557 standard.

### **3.4 INSTALLATION**

A. 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.

B. 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.

### **3.5 ADJUSTING**

A. Adjusting:

1. Lubrication: Lubricate moving parts of operable walls.
2. Adjust locking hardware for operation.

### **3.6 CLEANING**

A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to VA COR's acceptance. Remove construction debris from project site and legally dispose of debris.

1. Clean wood, vinyl, wall carpet, panel fabric and plastic laminate surfaces without using abrasive cleaners or solutions containing corrosive solvents.

### **3.7 DEMONSTRATION**

A. Demonstration: After adjustments, lubrications and cleanup, demonstrate and instruct VA COR on proper operation, function and maintenance procedures for operable partitions.

1. Deliver keys, operation and maintenance manuals to VA COR.

**3.8 PROTECTION**

- A. Protection: Protect installed product and finish surfaces from damage during construction until final completion and acceptance.

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