

**SECTION 10 22 26.13**  
**ACCORDION FOLDING PARTITIONS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Requirements for accordion folding partitions as indicated on Drawings and as specified herein.

**1.02 REFERENCE STANDARDS**

- A. References and industry standards listed in this Section are applicable to the Work. Unless more restrictive criteria or differing requirements are explicitly stated in the Specifications, or mandated by governing codes or regulations, the recommendations, suggestions, and requirements described in the referenced standards shall be deemed mandatory and applicable to the Work.
1. American Society for Testing and Materials (ASTM)
  2. National Voluntary Laboratory Accreditation Program (NVLAP)

**1.03 SUBMITTALS**

- A. Samples
1. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for units with factory-applied color finishes.
  2. Submit cross section of door, including fabric and color to Project Architect for approval before fabricating doors.
- B. Shop Drawings
1. Show location and extent of accordion folding partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions; weights; conditions at openings and for storage; and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track, and direction of travel. Show blocking to be provided by others. Include the following:
    - a. Calculations: Calculate requirements for supporting accordion folding partitions and verify capacity of carriers and track components to support loads; indicate.
    - b. Setting Drawings: For embedded items and cutouts required in other work, including support beam punching template.
- C. Sound Transmission Test (S.T.C.)
1. Sound Transmission Requirements: Accordion folding partition assembly tested in a full-scale opening, 14 by 9 feet (4267 by 2743 mm), for laboratory sound transmission loss performance according to ASTM E 90, determined by ASTM E 413, and rated for not less than the STC indicated. Tested by an independent testing laboratory to have decibel rating of 38-42.
- D. Furnish copy of laboratory test for approval with submission of shop drawings.
- E. Manufacturer's Warranty

**1.04 QUALITY ASSURANCE**

- A. Installer Qualifications: An experienced installer who is certified in writing by the accordion folding partition manufacturer as qualified to install the manufacturer's partition systems for work similar in material, design, and extent to that indicated for this Project.
- B. Testing Agency Qualifications: An independent testing laboratory, or an NVLAP-accredited laboratory, with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548. NVLAP accredited laboratories must document accreditation, based on a "Certificate of Accreditation" and a "Scope of Accreditation" listing the test methods specified.

## 1.05 FIELD CONDITIONS

- A. Testing Agency Qualifications: An independent testing laboratory, or an NVLAP-accredited laboratory, with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548. NVLAP-accredited laboratories must document accreditation, based on a "Certificate of Accreditation" and a "Scope of Accreditation" listing the test methods specified.

## 1.06 WARRANTY

- A. The installation shall be guaranteed against defects in materials and workmanship for a period of two years from date of installation and acceptance for beneficial use. In addition, the pantographs, trolleys, and tracks are guaranteed for 10 years from the date of acceptance for beneficial use.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Modernfold, New Castle, IN (Model Soundmaster 12)
- B. Foldoor/Holcomb & Hoke Manufacturing Co., Inc., Indianapolis, IN (Model: NRC x 12)
- C. Hufcor, Inc., Janesville, WI 53545 (Model 4000)

### 2.02 ACCORDION FOLDING PARTITIONS

- A. Folding Partition Construction
  1. Frame: Steel hinge plates welded to 3/16" diameter vertical steel rods, pantographic design.
  2. Operations: Manual
  3. Vinyl-Coated Fabric Covering: Manufacturer's standard mildew-resistant, washable, vinyl-coated fabric wall covering; with reinforcing woven fiber backing, complying with CFFA-W-101-B for Type indicated; Class A.
    - a. Antimicrobial Treatment: Additives capable of inhibiting growth of microbes, including, but not limited to *Staphylococcus aureus*, *Escherichia coli* and *Aspergillus niger*.
  4. Color, Pattern, and Texture of Fabric: As selected by Project Architect.
  5. Suspension System: Continuous "C" channel shape track connected to structural support. Support frame with ball-bearing trolley assemblies.
  6. Sound Seals: Pair of flexible sweep strips at top and bottom. Foam-lined sound seal in aluminum jamb for lead post.
  7. Air Release System: Air holes in lead post.
  8. Sound Insulation: 22 gage V-grooved steel panels and heavy vinyl flame-resistant acoustical membrane.
  9. Acoustical Performance: STC 38-42.
  10. Hardware: "Pull-in" type of latching, for positive sound seal at jamb, with polished steel hand pulls.
  11. Trim: Manufacturer's standard trim with decorative, protective finish.
  12. Tiebacks: As required to maintain accordion folding partitions in stacked position.

## PART 3 EXECUTION

### 3.01 INSPECTION

- A. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of accordion folding partitions. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Verify dimensions of opening prior to installation.

### 3.02 INSTALLATION

- A. Install as detailed on Drawings and as recommended by manufacturer. Provide smooth, positive and maintenance free operation.

### **3.03 ADJUSTING**

- A. Adjust accordion folding partitions to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and other moving parts.

### **3.04 CLEANING**

- A. Clean soiled surfaces on completing installation of accordion folding partitions, to remove dust, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.
- B. Replace partitions that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

### **3.05 PROTECTION**

- A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure accordion folding partitions are without damage or deterioration at time of Substantial Completion.

**END OF SECTION**

SAMPLE