

**SECTION 083513
ACCORDION FOLDING DOORS**

PART 1 GENERAL**1.01 SUMMARY**

- A. Section Includes:
 - 1. Aluminum accordion folding doors.
- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.02 REFERENCES

- A. ASTM International - E336 - Standard Test Method for Measurement of Airborne Sound Attenuation Between Rooms in Buildings and E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements. (www.fscus.org)

1.03 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate opening sizes, jamb, sill, and head conditions.
 - 2. Product Data: Manufacturer's descriptive literature for door units, and hardware.
 - 3. Samples:
 - a. Color chips illustrating manufacturer's full range of available colors and finishes.
- B. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Primary products supplied by single manufacturer with minimum 5 years documented experience in fabrication of accordion folding wood doors.
- B. Installer Qualifications: Minimum 2 years documented experience in work of this Section.
- C. Regulatory Requirements: Comply with applicable accessibility code for door opening force.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Do not deliver doors until proper protection can be provided, and until needed for installation.
- B. Store products in manufacturer's unopened packaging until ready for installation.

1.06 PROJECT CONDITIONS

- A. Maintain temperature and humidity within manufacturer's recommended limits.
- B. Do not install products under environmental conditions outside manufacturer's limits.

1.07 WARRANTIES

- A. Provide manufacturer's standard limited warranty against manufacturing defects.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Contract Documents are based on products by Woodfold Mfg., Inc. (www.woodfold.com)
- B. Substitutions: Under provisions of Division 01 .

2.02 ACCORDION FOLDING SECURITY DOORS

- A. Source: Series 640 Alumifold door.
- B. Components:
 - 1. Track: 1-1/8 x 1 inch aluminum, pre-punched for screw fasteners for surface mounting.
 - 2. Roller assembly: Nylon wheels on ball-bearing steel axles; riveted to hinge, dual trolley at lead post, single trolley at alternate panels, type for specified track.

3. Hinge assembly: 18 gauge steel, continuous pin, riveted to top and bottom of door panel, with automatic stop at full extension.
 4. Panels: 0.08 inch thick solid aluminum, 4-1/4 inches wide.
 5. Panel connectors: Continuous non-rigid vinyl, inserted into panel frame channel.
 6. Lead post: Extruded aluminum, 3/4 x 2-3/4 inch cross section.
 7. Intersecting jamb molding: Types for indicated configurations.
 8. Handle: Rigid molded polyvinyl chloride.
 9. Latching: Thumb turn one side with deadlatch.
- C. Finishes:
1. Panels: Clear anodized aluminum, solid.
 2. Steel: Manufacturer's standard finish, in color complementing panel finish.
 3. Aluminum: Manufacturer's standard finish, in color complementing panel finish.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install door assembly in accordance with manufacturer's instructions.
- B. Anchor to adjacent construction without distortion or stress.
- C. Fit and align door assembly including hardware, level and plumb, to provide smooth operation.

3.02 ADJUSTING

- A. Adjust doors for smooth operation throughout full operating range.

END OF SECTION