



Opaque

SECTION 083500 SIDE FOLDING DOORS AND GRILLES PART 1 - GENERAL

1.01 SUMMARY

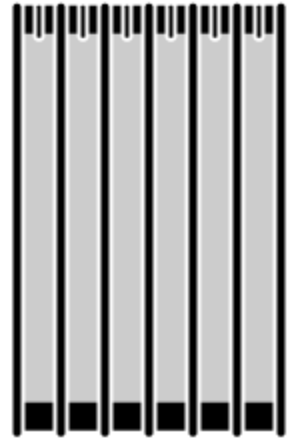
A. Section Includes: Manual side-folding aluminum security door.

KEEP B AND C 1. BELOW IF NOT USING MANUFACTURER'S STANDARD CYLINDERS

B. Products Not Installed Or Supplied Under This Section: Keyed mortise cylinders.

C. Related Sections: Site preparation, track support, storage pockets and doors and other miscellaneous structural or finish work is in the scope of work of other sections.

1. Section 08710 - Door Hardware; keyed mortise cylinders.



1.02 SUBMITTALS

A. Reference Section 01330 Submittal Procedures; submit following items:

1. Product Data: Include published data and specific data prepared for this project.
2. Shop Drawings: Include detailed plans, elevations, required clearances and accessories.
3. Installation instructions.
4. Quality Assurance Requirements:
 - a. Manufacturer qualifications.
 - b. Installer qualifications.
 - c. Certificates.

1.03 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum of five years experience in the fabrication and installation of Side Folding Security Doors.

B. Installer Qualifications: Authorized representative of the manufacturer.

C. Certificate stating that materials and finishes comply with specifications.

D. Single Source Responsibility: Provide Doors, track and related primary components from one manufacturer for each type of Door. Provide secondary components from source acceptable to manufacturer of primary components.

E. Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

1.04 DELIVERY, STORAGE AND HANDLING

A. Reference Section 01660 Product Storage and Handling Requirements.

B. Deliver materials in labeled protective packages. Store and handle in compliance with manufacturer's instructions.

1.05 WARRANTY

A. Limited Warranty: Manufacturers Warranty to cover all labor and material required to repair or replace side folding closures for a period of two years from the time of acceptance by the USPS, within a guaranteed maximum repair time of 10 calendar days.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A Select USPS Vendor must manufacture this product. The following vendor contact is a select vendor for USPS projects.

A. Dynamic Closures

Telephone: 1-800-663-4599; Fax: 1-800-205-6665

Telephone: 1-613-938-1222; Fax: 1-613-933-9189

E-mail: info@DynamicClosures.com

- B. Side folding closures may be used in three separate locations within retail areas. Opaque folding closures are used to close the service lobby in RSD and MSBD facilities that do not have a full Postal Store and to enclose the Full Service Counters in RSD, SSBD and MSBD facilities that do have a full Postal Store. Perforated folding closures are used to enclose Postal Stores in RSD, SSBD and MSBD facilities.

2.02 MODELS AND MATERIALS

- A. Solid aluminum curtain for enclosure of retail lobby or Full Service Counters: Dynamic Opaque

B. Curtain:

Panel: 7-1/4 inch (184mm) wide with 4 inch (102mm) high bottom and 5-1/4 inch (133mm) high top plates of truss like aluminum and continuous solid panels of a minimum 16 gauge (0.050) (1.25mm) thick aluminum. Connect panels with two-piece vertical aluminum tubular hinges. The closest space between the bottom of the curtain and the floor directly below the track is not to exceed ½ inch (1.2 cm).

- C. Overhead Track: Extruded Aluminum, 1-3/8 inches (35 mm) wide by 1-5/8 inches (41 mm) high, with continuous extruded profile seamed together by Alignment Bars and Track Pins. Track to accept 1 1/8 (28mm) inch nylon Trolleys that are adjustable in height to achieve ½ inch floor to curtain spacing and carry weight of complete curtain of 120 pounds per linear foot. Curves of 90 degrees shall be of a minimum 14 radius.

D. Locking Posts:

1. Lead member, trailing member and bi-part member (if any) to be provided with manufacturer's high security cylinder on the exterior side with metal security ring.
2. Lead member to engage a full height striker channel with a single hook latch.
3. Lead bi-part member to engage a full height striker channel with a single hook latch.
4. Lead member channel connection and bi-part member connection to include a horizontal solid metal pin ½ inch (13mm) in diameter. Pins to be 18: AFF and seat a minimum of 1 inch (2.6cm) into the strike channel or lead member so they are not visible.
5. Trailing end member to be free floating top and bottom post secured outside the storage pocket with top and bottom drop bolts operated on the exterior side.
6. Intermediate members(s) to be located at all curves and on straight sections at intervals not to exceed 8 feet (2.44m).
7. Curtains at Full Service Counters: Intermediate members to be equipped with drop bolt at the bottom, operated by manufacturers high security mortise cylinder on the exterior side with a metal security ring.
8. All applications other than those listed in item 7 above: Intermediate members to be equipped with a concealed locking device, drop bolt at the bottom, and control lever on interior side.

9. Drop bolt to be manufactured with grade 1045 cold roll steel, with the bottom 6 inches (15cm) of the bolt flame hardened and tempered to 55 Rockwell hardness. Drop bolt to extend not less than 1 inch (2.6cm) into a dust proof receiver.
10. The manufacturer's high security cylinder is the approved lock hardware.
11. Keying of cylinders:
 - a. Furnish cylinders keyed alike during construction
 - b. Final keying will use manufacturer's cylinders.
- E. Stacking: Allow 2.1 inches (5cm) of stacking per linear foot of closure width, plus 3 inches (8cm) for each post section.
- F. Finish-Exposed Aluminum Parts: Clear Anodized with matching anodized silver acrylic panels or powder coat paint over steel panels.
- G. Installation Details/Instructions: The Vendor shall produce a package of drawings/details and /or instructions, which will be provided by the vendor with each folding closure at the time of delivery. This package shall be of sufficient detail to explain the proper installation and adjustment of folding closures.
- H. Operation:
 1. Manual pull - push operation
 2. Provide attached pull straps on Closures over 9 ft. (2745 mm) in height and all countertop applications.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine supports and other conditions under which Doors are to be installed.
- B. Coordinate with responsible entity in writing to correct unsatisfactory conditions and do not proceed with installation until conditions are corrected.

3.02 INSTALLATION

- A. Installation Company must specialize in performing the Work of this Section with documented experience and be approved by the folding closure manufacturer.
- B. Follow manufacturer's installation instructions and approved shop drawings.
- C. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion of stress. Brace and fasten components suspended from structure to be secure and rigid.

3.03 CONSTRUCTION

- A. Site Tolerances:
 1. Maintain dimensional tolerances and alignment with adjacent work.
 2. Maximum Variation From Plumb: 1/16 inch (1.6mm)
 3. Maximum Variation From Level: 1/6 inch (1.6mm)

3.04 ADJUSTING

- A. Test operation of Door and adjust as necessary to provide smooth and proper operation.

3.05 CLEANING

- A. Contract Closeout: Cleaning Installed work.
- B. Clean closure and components with manufacturer's recommended cleaners.

C. Remove unnecessary labels and visible markings.

END OF SECTION.



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Specifications subject to change without notice.