



Series 9100 Side Folding

Wide Body Crystal

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 three 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: One year from the time of installation for defective materials and workmanship.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. C.H.I. Overhead Doors
1485 Sunrise Drive
Arthur, IL 61911
Telephone: 1-800-677-2650; Fax: 1-800-205-6665
Telephone: 1-217-543-2139; Fax: 1-217-543-5172
E-mail: AIA@chiohd.com
- B. Substitutions: Dynamic Closures, Overhead Door Corporation and Wayne Dalton Corporation

2.02 MODELS AND MATERIALS

- A. Model: Series 9100 - Wide Body Crystal
- B. Curtain Panel: 11-1/4 inches (286mm) wide with 4 inch (102mm) high bottom and 5-1/4 inch (133mm) high top plates of truss like aluminum and glazed with 1/8 inch (3mm) tempered glass with a 100 percent viewable area of 8-7/8 inches (226mm). Connect panels with two-piece vertical aluminum tubular hinges.
- C. Curtain height: reference Drawing
- D. Finish-Exposed Aluminum Parts: Clear Anodized [Champagne Anodized] [Light Bronze] [Bronze Anodized] [Black Anodized] **OR**
- D. Finish-Exposed Aluminum Parts: [Powder Coat Paint], color as selected by Architect from manufacturer's standard range or custom color as selected by Architect. **OR**
- D. Finish-Exposed Aluminum Parts: [Baked Acrylic Paint], color as selected by Architect from manufacturer's standard range or custom color as selected by Architect.
- E. Locking Posts: reference Drawing
- F. 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 and carry weight of complete curtain.
- G. Operation: *****KEEP 2 BELOW ONLY IF REQUIRED*****
 - 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 to correct unsatisfactory conditions and do not proceed with installation until conditions are corrected.

3.02 INSTALLATION

- A. Follow manufacturer's installation instructions and approved shop drawings.
- B. Instruct Owner's personnel in proper operating and maintenance procedures.

3.03 ADJUSTING AND CLEANING

- A. Test operation of Door and adjust as necessary to provide smooth and proper operation.
- B. Clean exposed surfaces using manufacturers recommended cleanser.



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Specifications subject to change without notice.