



Vortex

SECTION 083300 COILING DOORS AND GRILLES PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Manual push-up [crank] [electric motor operated] overhead rolling doors and vertical support.

KEEP B AND C 4. BELOW IF NOT USING MANUFACTURER'S STANDARD CYLINDERS

- B. Products Not Installed Or Supplied Under This Section: Keyed mortise cylinders.
C. Related Sections: Door opening structural or finish work and all electrical is in the scope of other sections.
1. 05500 Metal fabrications; grille jamb and header
2. 06100 Rough carpentry; grille jamb and header
3. 08310 Access doors and panels
4. 08710 Door hardware; keyed mortise cylinders
5. Division 16; all miscellaneous wiring for electric motors and accessories.

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

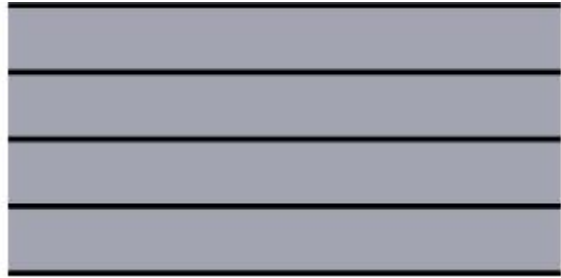
- A. Manufacturer Qualifications: Minimum of three years experience in the fabrication and installation of Coiling Doors and Grilles.
B. Installer Qualifications: Authorized representative of the manufacturer.
C. Certificate stating that materials and finishes comply with specifications.
D. Single Source Responsibility: Provide Door, guides 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. Dynamic Closures Corporation

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

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

E-mail: CustomerService@DynamicClosures.com

B. Local representative: ***INSERT NAME, ADDRESS AND PHONE***

C. Substitutions: CHI Corporation

2.02 MODELS AND MATERIALS

A. Model: Coiling Door - Vortex

B. Curtain:

1. Horizontal Slats: Extruded aluminum interlocking flat slats. Slat width shall be 2 3/8 inch, depth shall be 1/2 inch and material thickness shall be .062 minimum. Slat shall be extruded with a "V" groove line on center to give the appearance of a 1 1/4 inch slat.

2. Bottom Bar: Heavy extruded tubular aluminum.

C. Guides: Heavy extruded aluminum shape 2 1/2 inch (64mm) by 1 7/16 inch (37mm) with upset shoulders for curtain retention. Each guide will be fitted with vinyl stripping for quiet operation and to cushion both sides of curtain.

1. Support angle: steel angle of recommended size by manufacturer

Or

1. Support tubes: steel tubes of recommended size by manufacturer

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 custom or 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. Counterbalance: Helical torsion spring assembly set in steel pipe of recommended size by manufacturer to support curtain with a maximum deflection of .03 inch (.76mm) per foot of curtain width.

F. Bracket Plates: Minimum 3/16 inch (5mm) steel plate to support counterbalance assembly, curtain (and hood, optional)

G. Locking:

1. Thumb turn cylinder coil side, keyed cylinder exterior.

Or

1. Centered keyed cylinder both sides of bottom bar.

G. Operation:

1. Manual push-up

Or

1. Hand crank from coil side of curtain.

Or

1. Electric Motor: Size and type recommended by manufacturer

a. Electrical interlocks: mounted on guide or within motor preventing operation when bottom bar is locked.

b. Keyed control stations: Constant contact operation, flush mounted both sides of curtain for secured operation.

c. Emergency Egress Release: Provides a public means for manual operation of the door. This device mounts flush on interior wall and contains a pull handle to disconnect operator from door.

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.

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.

DEMONSTRATION

Instruct Owner's personnel in proper operating and maintenance procedures.

END OF SECTION.



All information copyright © Dynamic Closures Inc. All rights reserved.

Specifications subject to change without notice.