

Manufacturers Proprietary Specification

SPECIFIER NOTE: This specification should be reviewed by Dynamic Closures as listed in Section 2 .1 below prior to using for construction purposes.

SECTION: 08 33 00
COILING DOORS AND GRILLES

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Manual push-up [strap] [crank] [electric motor operated] overhead rolling doors.
 - 2. Operating hardware [, controls,] and supports.

- B. Related Sections:
 - 1. 05500 Metal fabrications; door jamb and header.
 - 2. 06100 Rough carpentry; door 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.

1.2 REFERENCES

- A. ASTM International (ASTM) B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.3 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
 - 2. Product Data: Provide information on door construction, components, materials, and finishes.

- B. Sustainable Design/LEED Submittals: Documentation of recycled content and location of manufacturer.
 - 1. LEED, MR Credit 4 – Recycled Content: Provide documentation for cost of products having recycled content indicating percentages by weight of postconsumer plus 1/2 of the preconsumer content.
 - 2. LEED, MR Credit 5 – Regional Materials: Provide documentation for cost of materials or products that have been extracted, harvested, or recovered and also manufactured within 500 miles of project site.

- C. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.4 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.

1.5 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.

1.6 WARRANTIES

- A. Provide manufacturer's 1 year warranty against defects in materials and workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Dynamic Closures Corporation. (www.dynamicclosures.com) Telephone: 1-800-663-4599; Fax: 1-800-205-6665
E-mail: CustomerService@DynamicClosures.com
- B. Equivalent products by the following manufacturers are acceptable:
 - 1. CHI Overhead Doors. (www.chiohd.com)
- C. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Aluminum Extrusions: ASTM B221, 6063-T5 or T6 alloy and temper.

2.3 COMPONENTS

- A. RF-55 Curtain
 - 1. Horizontal Slats: Roll formed double wall aluminum interlocking flat slats. Slat width shall be 2-5/32 inches (55mm) high by 35/64 inch (14mm) wide filled with regular density polyurethane foam.
- B. Bottom Bar: Double-walled extruded aluminum with polypropylene felt weather-stripping on bottom to seal for light and sound.
- C. Hood: 18 gauge (.040) thickness preformed sheet aluminum.
- D. Guides: Extruded aluminum 2-5/16 inch (59mm) by 1 1/8 inch (28mm) fitted with two rows of polypropylene felt weather stripping for quiet operation and to cushion both sides of curtain.
- E. Counterbalance: Helical torsion spring assembly set in roll formed galvanized steel pipe of recommended size by manufacturer to support curtain with a maximum deflection of .03 inch (.8mm) per foot (305mm) of curtain width.
- F. Bracket Plates: Minimum 3/16 inch (5mm) thick die cast aluminum to support counterbalance assembly, curtain and hood.
- G. Operation:
 - 1. Manual push-up.
Or
 - 2. Hand crank from coil side of curtain.
Or
 - 3. Strap operation from secure side of curtain.
Or
 - 4. Electric Motor: Tubular motor, size recommended by manufacturer.
 - a. Keyed control stations: Constant contact operation, flush mounted one or both sides of curtain for secure operation.
- H. Lock: Located on bottom bar; [slide locks on secured side of curtain.] [Keyed cylinder centered [interior] [exterior].
- I. Finish-Exposed Aluminum Parts: Multi-coat baked enamel polyester resin coating colors as follows: [white] [beige] [bronze] as selected by Architect.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install door assembly in accordance with manufacturer's instructions.
- B. Follow approved shop drawings.
- C. Fit and align grille assembly including hardware, level and plumb, to provide smooth operation.

3.2 ADJUSTING/MAINTENANCE

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

END OF SECTION

PART 2