

**SECTION 08 33 23  
OVERHEAD COILING DOORS**

**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Standard rolling service doors; manual operated; factory pre-coated finish.

1.2 REFERENCES

- A. UL 325 – Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- C. FBC - Florida Building Code

1.3 SYSTEM DESCRIPTION

- A. Manual Push Up unit (Chain Hoist Operation), between jambs (surface) mounted.
- B. Fire rated doors with fusible link activated with automatically governed closing speed.

1.4 QUALITY ASSURANCE

- A. ASCE 7 – Minimum Design Loads for Buildings and Other Structures
- B. FBC Product Approval– Large Missile Impact Test if on exterior opening

1.5 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Section 01 33 00.
- B. Provide pertinent dimensioning, general construction, component connections and details, anchorage methods, hardware location and installation details.
- C. Provide U.L. listing for fire rated units.
- D. Submit manufacturer's installation instructions under provisions of Section 01 33 00.
- E. Submit sample of door for specified finish under provisions of Section 01 33 00.

1.6 OPERATION AND MAINTENANCE DATA

- A. Submit manufacturer's operation and maintenance data under provisions of Section 01 77 00.

**PART 2 PRODUCTS**

2.1 MATERIALS

- A. Curtain:
  - 1. Interlocking Roll-Formed Slats: Flat Profile Type F-265, 18-gauge galvanized steel.
  - 2. Finish: Galvanized Steel in accordance with ASTM A653/A653M and receive rust-inhibitive, roll coating process, 0.2 mils thick baked on prime paint, and 0.6 mils thick baked-on polyester (powder coated) top coat.
- B. Curtain Guides:
  - 1. Roll-formed galvanized steel shapes attached to continuous galvanized steel wall angle.
- C. Counterbalance Shaft Assembly:
  - 1. Helical torsion spring type designed for standard 50,000-cycle life design.
  - 2. Counterbalance shall be housed in a steel tube, supporting the curtain with deflection limited to 0.03 per foot of span.
  - 3. Counterbalance shall be adjustable by means of an adjusting tension wheel.
- D. Brackets: Fabricate from galvanized steel to support counterbalance, curtain, and hood.
- E. Hood: 18-gauge galvanized steel with reinforced top and bottom edges.
  - 1. Provide min ¼-inch steel intermediate support brackets as required to prevent excessive sag.
- F. Bottom Bar: Two galvanized steel angles.

2.2 ACCESSORIES

- A. Locking: Pad lockable slide bolt on coil side of bottom bar of each jamb.

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### 2.3 OPERATION

- A. Provide manual push up (Chain Hoist) operation.
- B. Mount chain hoist in conformance with current ADA Guidelines.

## **PART 3 EXECUTION**

### 3.1 EXAMINATION

- A. Examine substrates upon which work will be installed and verify conditions are in accordance with approved shop drawings.
- B. Coordinate with the Contractor to correct unsatisfactory substrates.
- C. Commencement of work by installer is acceptance of substrate.

### 3.2 INSTALLER

- A. Install door and operating equipment with necessary hardware, anchors, inserts, hangers, and supports.
- B. Follow manufacturer's installation instructions.

### 3.3 ADJUSTING

- A. Following completion of installation, including related work by others, lubricate, test, and adjust doors for ease of operation, free from warp, twist, or distortion.

### 3.4 CLEANING

- A. Clean surfaces soiled by work as recommended by the manufacturer.
- B. Remove surplus materials and debris from the site.

### 3.5 DEMONSTRATION

- A. Demonstrate proper operation and maintenance procedures to the Owner.

END OF SECTION