

**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.

The School District of Palm Beach County

Project Name

SDPBC Project No.

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