

**SECTION 08 33 13**  
**COILING COUNTER DOORS**

**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Standard rolling counter 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 A123/A123M – Standard Specification for Zinc (Hot Dip Galvanized) Coating on Iron and Steel Products

1.3 SYSTEM DESCRIPTION

- A. Hand chain lift unit with overhead counter balance device.
- B. Fire rated doors with fusible link activated with automatically governed closing speed.

1.4 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. Submit manufacturer's installation instructions under provisions of Section 01 33 00.
- D. Submit sample of door for specified finish under provisions of Section 01 33 00.

1.5 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. Slats: No. 1F interlocked flat-faced slats, 1½" high by ½" deep, 22-gauge AISI 300 series stainless steel with stainless steel angle bottom bar with lift handles and vinyl astragal.
  - 2. Fabricate interlocking sections with high strength molded nylon end-locks riveted to ends of alternate slats.
  - 3. Slat Finish: Stainless steel: No. 4 finish.
  - 4. Bottom Bar Finish: Stainless steel: No. 4 finish.
- B. Curtain Guides:
  - 1. Stainless steel: 12-gauge formed shapes for integral frame and 14 gauge sill.
  - 2. Finish: Stainless steel: No. 4 finish.
- C. Counterbalance Shaft Assembly:
  - 1. Barrel shall be steel pipe capable of supporting curtain load with maximum deflection of 0.03" per foot of width.
  - 2. Spring Balance: Oil-tempered, heat-treated steel helical torsion spring assembly designed for proper balance of door to ensure that maximum effort to operate will not exceed 25 lbs.
    - a. Provide wheel for applying and adjusting spring torque.
- D. Brackets: Fabricate from reinforced steel plate with bearings at rotating support points to support counterbalance shaft assembly and form end closures.
  - 1. Finish: ASTM A123/A123M, Grade 85 zinc coating, hot dip galvanized after fabrication.
- E. Hood: 24 gauge stainless steel with reinforced top and bottom edges and minimum ¼" steel intermediate support brackets as required to prevent excessive sag.
  - 1. Finish: Stainless steel: No. 4 finish.

The School District of Palm Beach County

Project Name

SDPBC Project No.

## 2.2 ACCESSORIES

### A. Locking:

1. Manual Crank Hoist: Pad lockable slide bolt on coil side of bottom bar of each jamb extending into slots in guides.

## 2.3 OPERATION

- A. Provide crank hoist operator, crank gearbox steel crank drive shaft, and geared reduction unit.
- B. Fabricate gearbox to completely enclose operating mechanism and be oil-tight.

## **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. General: 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