

SECTION 08 33 26
OVERHEAD COILING GRILLES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Standard overhead coiling grilles; manual operated; stainless steel 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.

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 SECURITY GRILLES (SEE DOOR SCHEDULE FOR LOCATIONS)

- A. Curtain:
 - 1. Stainless steel grille constructed of 7/16" diameter horizontal members spaced at 1½" centers with ½" diameter tube spacers for steel carrier rods spaced at 3 ¼" centers.
 - 2. Vertical connect member with a hinged type design of 5/8" x 1/8" flat bar and links spaced at 6" centers.
 - 3. Fit ends of horizontal members with nylon runners for quiet operation; provide bottom bar of back-to-back angles with tubular resilient cushion.
- B. Guides: Stainless steel angles of profile to retain curtain in place.
- C. Crosshead Counterbalance Shaft:
 - 1. Provide steel pipe with closed ends of sufficient diameter to ensure minimum deflection of .03" per foot.
 - 2. Balance with adjustable spring tension provided by helical steel springs to produce sufficient torque assuring smooth, correct operation of grille from any position.
- D. Hood:
 - 1. 24-gage galvanized steel reinforced with stiffening seams at top and bottom edges for enclosing coiled curtain.
 - 2. Provide intermediate support for grilles over 14'-0".
- E. Brackets: ¼" thick steel plate designed to support guide extensions and form end closure support for hood.
- F. Hardware: Locks: Slide bolts, interior side, bottom in accordance with Section 08 71 00.

2.2 FINISH

- A. Stainless steel, Type 304, with No. 4 satin finish

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. 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