**SECTION 08 33 26**

**OVERHEAD COILING GRILLES**

**PART 1 GENERAL**

1. SECTION INCLUDES
	1. Standard overhead coiling grilles; manual operated; stainless steel finish.
2. REFERENCES
	1. UL 325 – Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
	2. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
	3. FBC – Florida Building Code
3. SYSTEM DESCRIPTION
	1. Manual Push Up unit (Chain Hoist Operation), between jambs (surface) mounted.
4. SUBMITTALS
	1. Submit shop drawings and product data under provisions of Section 01 33 00.
	2. Provide pertinent dimensioning, general construction, component connections and details, anchorage methods, hardware location and installation details.
	3. Submit manufacturer's installation instructions under provisions of Section 01 33 00.
	4. Submit sample of door for specified finish under provisions of Section 01 33 00.
5. OPERATION AND MAINTENANCE DATA
	1. Submit manufacturer's operation and maintenance data under provisions of Section 01 77 00.

**PART 2 PRODUCTS**

1. SECURITY GRILLES (SEE DOOR SCHEDULE FOR LOCATIONS)
	1. 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 ⅝" x ⅛" 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.
	2. Guides: Stainless steel angles of profile to retain curtain in place.
	3. 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.
	4. 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".
	5. Brackets: ¼" thick steel plate designed to support guide extensions and form end closure support for hood.
	6. Hardware: Locks: Slide bolts, interior side, bottom in accordance with Section 08 71 00.
2. FINISH
	1. Stainless steel, Type 304, with No. 4 satin finish
3. OPERATION
	1. Provide manual push up (Chain Hoist) operation.
	2. Mount chain hoist in conformance with current ADA Guidelines.

**PART 3 EXECUTION**

1. EXAMINATION
	1. Examine substrates upon which work will be installed and verify conditions are in accordance with approved shop drawings.
	2. Coordinate with the Contractor to correct unsatisfactory substrates.
	3. Commencement of work by installer is acceptance of substrate.
2. INSTALLER
	1. General: Install door and operating equipment with necessary hardware, anchors, inserts, hangers, and supports.
	2. Follow manufacturer’s installation instructions.
3. ADJUSTING
	1. Following completion of installation, including related work by others, lubricate, test, and adjust doors for ease of operation, free from warp, twist, or distortion.
4. CLEANING
	1. Clean surfaces soiled by work as recommended by the manufacturer.
	2. Remove surplus materials and debris from the site.
5. DEMONSTRATION
	1. Demonstrate proper operation and maintenance procedures to the Owner.

END OF SECTION