**SECTION 08 33 23**

**OVERHEAD COILING DOORS**

**PART 1 GENERAL**

1. SECTION INCLUDES
	1. Standard rolling service doors; manual operated; factory pre-coated 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.
	2. Fire rated doors with fusible link activated with automatically governed closing speed.
4. QUALITY ASSURANCE
	1. ASCE 7 – Minimum Design Loads for Buildings and Other Structures
	2. FBC Product Approval– Large Missile Impact Test if on exterior opening
5. 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. Provide U.L. listing for fire rated units.
	4. Submit manufacturer's installation instructions under provisions of Section 01 33 00.
	5. Submit sample of door for specified finish under provisions of Section 01 33 00.
6. OPERATION AND MAINTENANCE DATA
	1. Submit manufacturer's operation and maintenance data under provisions of Section 01 77 00.

**PART 2 PRODUCTS**

1. MATERIALS
	1. 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.
	2. Curtain Guides:
		1. Roll-formed galvanized steel shapes attached to continuous galvanized steel wall angle.
	3. 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.
	4. Brackets: Fabricate from galvanized steel to support counterbalance, curtain, and hood.
	5. 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.
	6. Bottom Bar: Two galvanized steel angles.
2. ACCESSORIES
	1. Locking: Pad lockable slide bolt on coil side of bottom bar of each jamb.
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. 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