



SECTION 08300
COILING OVERHEAD DOORS
Model 2 EA, Aluminum Roller Shutter

PART 1 GENERAL

- 1.1 SECTION INCLUDES
 - A. Overhead Roller Shutter, Manually Operated.
 - B. Overhead Roller Shutter, Power Operated.
- 1.2 RELATED SECTIONS
 - A. Section 05100 - Structural Metal Framing.
 - B. Section 06100 - Rough Carpentry.
 - C. Section 09900 - Paints and Coatings.
 - D. Section 16050 - Basic Electrical Materials and Methods.
- 1.3 REFERENCES
 - A. ASTM B209-04; 2004 - Standard Specification for Aluminum - Alloy Sheet and Plate.
 - B. ASTM B221-02; 2002 - Standard Specification for Aluminum - Alloy Extruded Bars, Rods, Wires, Shapes and Tubes.
- 1.4 SUBMITTALS
 - A. Submit under provisions of Section 01300.
 - B. Operation and maintenance manual.
- 1.5 QUALITY ASSURANCE
 - A. Manufacturer Qualifications: Manufacturer shall provide a coiling door system capable of withstanding positive and negative design loads as required by local building code for 20,000 cycles.
 - B. Installer Qualifications: Installer shall be qualified to install overhead door systems on the type and scope of the project specified.
- 1.6 DELIVERY, STORAGE, AND HANDLING
 - A. Store products in manufacturer's unopened packaging until ready for installation.
 - B. Store and dispose of all materials in accordance with federal, state and local laws.
- 1.7 PROJECT CONDITIONS
 - A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results.
- 1.8 WARRANTY
 - A. Provide an original of the manufacturer's limited warranty against manufacturing defects and product workmanship.
 - 1. Aluminum Roller Shutter Door Warranty, 2 EA: 1 Year from date of shipment.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS
 - A. Acceptable Manufacturer: Dover Roller Shutters, 295 Commerce Way, P.O. Box 420, Upper Sandusky, OH 43351; Ph.: 419-294-3373, Fax: 419-294-3329; www.doverrollershutters.com
 - B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- 2.2 OVERHEAD COILING ALUMINUM ROLLER SHUTTER
 - A. Construction:
 - 1. Curtain: Interlocking extruded aluminum slats (beveled external face), Alloy 6063-T5. Nylon end clips attached to every second slat to maintain curtain alignment and prevent lateral slat movement.
 - 2. Hood material galvanized steel in accordance with ASTM A 653 with rust-inhibitive.
 - 3. Bottom Rail: Extruded aluminum 6063-T5 with weather strip.
 - 4. Guides: Extruded aluminum 6063-T5 with weather strip.
 - 5. Head plates: Steel plate to support counterbalance, curtain and hood.
 - 6. Counterbalance: Helical torsion spring type housed in a steel tube.
 - 7. Finishes: color as selected by the Architect.
 - B. Locking Mechanism:
 - 1. Plated steel slide bolt locks with padlock provisions.
 - 2. Two point dead locks with mortise cylinder/s.
- 2.3 OVERHEAD COILING ALUMINUM ROLLER SHUTTER, POWER OPERATED
 - C. Construction: (Same as section 2.1 A-B)
 - 1. Electric Motor Operation: Provide UL listed electric operator, size as recommended by manufacturer to move door in either direction.
 - 2. Sensing Edge Protection (options): Electric sensing bottom edge, electronic sensing eyes.

EXECUTION

- A. INSTALLATION
 - 1. Install assembly in accordance with manufacturer's instructions.
 - 2. Anchor to adjacent construction without distortion or stress.
- B. ADJUSTING
 - 1. Adjust closures to operate smoothly throughout full operating range.