



SECTION 08300  
COILING OVERHEAD DOORS  
Model 3 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, 3 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](http://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.