

SECTION 08335

COILING SECURITY SHUTTERS

PART GENERAL

SECTION INCLUDES

Coiling Security Shutters.

Mechanical Operators.

Electrical Operators.

RELATED SECTIONS

Section 06100 - Rough Carpentry.

Section 06200 - Finish Carpentry.

Section 16050 - Basic Electrical Materials and Methods.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's product literature.

Selection Samples: Manufacturer's full range of available colors in material specified.

Shop Drawings: Indicate type of curtain, number of panels, housing, rails, storm rails, and operators.

QUALITY ASSURANCE

Manufacturer's Qualifications: Minimum five years of documented experience producing products of the type specified in this section.

Installer's Qualifications: Minimum three years of documented experience installing products of the type specified in this section.

Certifications: Provide shutters rated and certified.

DELIVERY, STORAGE, AND HANDLING

Pack and load shutters using reasonable and customary precautions against damage in transit; do not use materials for packing or blocking that may stain, damage, or discolor shutters.

Store in original packaging under cover until installation.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: QMI Roll Shutter Supply; 933 North Oaklawn Avenue, Elmhurst, Illinois 60126; ASD. Tel: (800) 446-2500; Fax: (630) 782-1911.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

COMPONENTS

Curtains: Extruded double walled polyvinyl chloride slats.

Slat Height: 1.45 inches (37 mm).

Slat Height: 1.57 inches (40 mm).

Slat Height: 2.06 inches (52 mm).

Slat Height: 1.91 inches (49 mm).

Reinforcing Bars: Manufacturer's standard galvanized steel reinforcing bars in every third slat.

Color: White.

Color: Ivory.

Color: Beige.

Color: Grey.

Color: As selected from manufacturer's full line.

Curtains: Prefinished roll-formed aluminum slats.

Slat Height: 1.57 inches (40 mm).

Slat Height: 2.06 inches (52 mm).

Insulation: Standard density.

Insulation: High density.

Color: White.

Color: Ivory.

Color: Beige.

Color: Grey.

Color: Brown.

Curtains: Extruded double walled aluminum slats.
Slat Height: 1.57 inches (40 mm).
Slat Height: 2.06 inches (52 mm).
Slat Height: 2.40 inches (61 mm).
Color: White.
Color: Ivory.
Color: Beige.
Color: Bronze.
Color: Brown.
Color: As selected from manufacturer's full line.

Curtains: Roll-formed steel slats with CFC-free foam insulation.
Slat Height: 1.57 inches (40 mm).
Slat Height: 2.06 inches (52 mm).
Color: White.
Color: Brown.

Housing: Square shutter upper box housing made from 0.040 inch (1.0 mm) pre-finished rolled formed aluminum with cast aluminum end caps; size as specified by manufacturer.
Color: White.
Color: Brown.
Color: Beige.
Color: Cream.
Color: As selected from manufacturer's full line.

Side Rails: Extruded 6063-T5 aluminum acid etched with baked enamel finish, and lined with insulating woven polypropylene runners.
Color: White.
Color: Brown.
Color: Beige.
Color: Cream.
Color: As selected from manufacturer's full line.

Mullions: Provide intermediate vertical mullions to allow curtain width to maximum allowed by manufacturer.

Storm Bars: Extruded 6063-T6 aluminum acid etched with baked enamel finish and lined with insulating woven polypropylene runners; removable.
Color: White.
Color: Brown.
Color: Beige.

Color: Cream.
Color: Grey.
Color: As selected from manufacturer's full line.

Operator: Manual recoil strap.

Operator: Manual strap with 3-1 ratio crank.

Operator: Manual crank with self-lubricating hardened steel gears.

Removable pole operator.

Fixed pole operator.

Operator: Manual push-up with spring assist.

Operator: Electric motor; 120V, 60hz, single phase, size as recommended by shutter manufacturer; with solenoid activated breaking and thermal protection; UL labeled; concealed in housing, actuated by:

Single pole, double throw rocker switch.

Remote actuator.

Key switch.

Sun sensor.

Provide manual override in case of power outage, with removable crank.

Locate actuators where indicated on drawings.

Locking: Automatic spring lock.

Additional slide bolts in bottom slat.

Keyed deadbolt in base slat.

Keyed deadbolt in curtain.

Fasteners: Stainless steel.

PART EXECUTION

EXAMINATION

Verify openings are in accordance with approved shop drawings.

INSTALLATION

Install coiling security shutters plumb and level in accordance with code, approved shop drawings, and manufacturer's printed installation instructions.

Surface mount shutters.

Flush mount shutters.

Installation of actuators for operator and connection of electrical components are specified in Section 16050.

END OF SECTION