

## **EXTERIOR ROLLING SHUTTERS**

SecuraSure Apex A55 Engaged System

### **PART 1 GENERAL**

#### **1.01 SECTION INCLUDES**

- A. This section shall include the furnishing of all plans, labor, materials, and services necessary for the installation of all Rolling Shutters covering exterior windows, doors or wall openings.

#### **1.02 RELATED SECTIONS**

- A. Section 16300 - Wiring Devices, Wire & Cable: Electrical connection for motor operators.

#### **1.03 SUBMITTALS**

- A. Submit under provisions of Section 01300 and Section 01600.
- B. Product Data: Submit manufacturer's data sheets on each product to be used, including operation and maintenance data.
- C. Shop Drawings: Indicate mounting configuration, electrical connections, access to operating mechanism, attachment and mounting to adjacent construction, rough dimensions and accessories.
- D. Samples: Manufacturer's available standard System colors/patterns and optional colors/patterns for selection by Architect.

#### **1.04 QUALITY ASSURANCE**

- A. Installer Qualifications: Minimum 2 years documented experience in applications with similar scope and materials, or manufacturer trained installer.
- B. Regulatory Requirements:
  - 1. Unless specified otherwise, for exterior installations comply with wind load requirements of the project.
  - 2. Comply with all local and governing code requirements.
  - 3. Hold a pre-installation meeting to verify installation condition, sizes, wind load requirements, and manufacturer's instruction.
  - 4. Do not proceed with remaining work until material, details, workmanship, performance and color are approved by Architect.

#### **1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for installation.
  - 1. Warranty
  - 2. Refer to manufacturer's standard warranty stated in the Terms and Conditions.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Acceptable Manufacturer: Rollac Shutter of Texas, Inc.; 5331 W. Orange Street, Pearland, TX 77581. ASD. Toll Free Tel: 888-2-ROLLAC. Tel: 281-485-1911. Fax: 866-2-ROLLAC. Email: architects@rollac.com. Web: <http://www.rollac.com>.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### **2.02 EXTERIOR ROLLING SHUTTER SOLUTIONS**

- A. Roll-Up Shutters: Slat curtain coiled on overhead axle mounted in enclosed housing as manufactured by Rollac Rolling Shutter. Size, configuration, and mounting as indicated on drawings.
- B. SecuraSure Apex A55 Engaged Solution. Roll formed aluminum Profile with 0.60 mm wall gauge and high density polyurethane foam insulated core. Available with end retention system for extra reinforcement in guide rails. Profile coverage height is 55 mm. Meets windstorm criteria for IBC / IRC, FBC, TDI, and large missile impact.
  - 1. Colors: As selected by Architect from standard and special colors.
  - 2. System Colors
    - a. Silk White
    - b. Texas Cream
    - c. Attica Beige
    - d. Medium Bronze
  - 3. Guide Rails:
    - a. Standard 3.0" end retention rail
    - b. Option 3.5" end retention rail
    - c. Color: Match System Color. if special curtain color chosen: best match
- C. Base Slat: Aluminum extruded bottom bar using aluminum alloy 6063 T5. Color: Match System Color. if special curtain color chosen: best match
- D. Manual Operator (Choose One)
  - 1. Pull Strap
  - 2. Recoil Box
  - 3. Gear with Crank
  - 4. Counter Balance / Spring Operated
  - 5. Automatic Operation (Choose)
    - a. Thermally protected tubular motor and switch, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed.
    - b. Thermally protected tubular motor with manual override and switch, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed.
    - c. Thermally protected tubular motor with remote control, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed

- d. Thermally protected tubular motor with remote control and manual override, single phase, 120VAC, max. 3.8 amps, UL listed.

A. Housing Assembly:

1. Housing Assembly consisting of aluminum die casted end caps and roll formed housing with 0.040" gauge.
2. Housing shall follow style of 45 Degree.
3. Housing to host necessary mechanics and axle made of (Aluminum, Steel).
4. The entire housing shall (match manufacturer's recommendation on housing size for rail height, be of size: \_\_\_\_ (6" - 14"))

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Do not begin installation until substrates are within manufacturer's specified tolerances and have been prepared in accordance with manufacturer's instructions.
- B. If substrate preparation is the responsibility of another installer, do not proceed with Installation. Notify Architect of unsatisfactory preparation immediately.
- C. Commencement of work is deemed as acceptance of installation conditions.

### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Adjust for proper operation.

### **3.03 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products and finishes before Substantial Completion.

**END OF SECTION**