

## **EXTERIOR ROLLING SHUTTERS**

ShopGuard RLL59HD 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. Shutter has end retention system to prevent pull out!
- B. ShopGuard Solution RLL59HD Single Wall Slats: Slat curtain coiled on overhead axle mounted in enclosed housing as manufactured by Rollac Shutter of Texas, Inc.
- C. Curtain Design (End-Retention System): Solid | Grid Pattern | Rectangular Pattern
- D. Colors: Frame Color and Curtain Color as selected by Architect from standard and special colors.
- E. Guide Rails: Standard 3.0" End Retention, optional 3.5" End Retention
- F. Manual Operator (Choose)
  - a. Gear with Crank
  - b. Counter Balance / Spring Operated
  - c. Automatic Operation (Choose)
    - i. Thermally protected tubular motor and switch, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed.
    - ii. Thermally protected tubular motor with manual override and switch, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed.
    - iii. Thermally protected tubular motor with remote control, single phase, 120VAC-60HZ, max. 3.8 amps, UL listed
    - iv. Thermally protected tubular motor with remote control and manual override, single phase, 120VAC, max. 3.8 amps, UL listed.
- G. Housing Assembly:

- a. Housing Assembly consisting of aluminum die casted end caps and roll formed housing with 0.040" gauge.
- b. Housing shall follow style of 45 Degree.
- c. Housing to host necessary mechanics and axle made of (Aluminum, Steel).
- d. 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**