

SECTION 083300 - ROLLING SECURITY SHUTTER

PART 1 - GENERAL

1.01 SECTION INCLUDED

- A. Rollac 'Apex' Rolling Security Shutter complete with all components to finalize the installation. All Shutter to have side rails, head box, sill angle and operator. All products to be custom manufactured to conform with site requirements. Provide all accessories, attached hardware, labor, and equipment necessary to complete installation to complete installation of this section.

1.02 REFERENCES

- A. All materials in this section shall meet or exceed all requirements for the International Building Code, 2006 edition.

1.03 SUBMITTALS

- A. Submit manufacturer's descriptive literature.
- B. Shop drawings to indicate all fasteners, installation methods and clearances at head, jamb and sill for each mounting condition.
- C. Sample to be submitted in sizes no less than 12" in length for colored materials. Submit a sample of all exposed surfaces and accessories needed to complete the installation. Color samples to be submitted to the architect for selection.
- D. Submit all quality assurance document relative to the installation, including design data, test reports, certificates issued by Underwriters Laboratory, manufacturer's instructions, manufacturers installation instructions and closeout submittal documents if available.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver to project site in manufacturer's original packaging.
- B. Handle and store to prevent damage to materials, finishes and operating mechanisms.
- C. All materials delivered to the site shall remain the property of the manufacturer until installation is complete and final payment is received.

1.05 PROJECT CONDITIONS

- A. Prior to any materials being installed, the building shall be enclosed.
- B. All exterior finishes are to be completed and dry prior to any material installation.

1.06 SEQUENCING

- A. Installation of all materials included in this section to be coordinated and complete after the exterior finishes of building is complete.

1.07 WARRANTY

- A. Provide manufacturer's standard five (5) limited year warranty against defects in materials and workmanship, beginning at date of substantial completion.

PART 2 - PRODUCTS

2.01 A. Manufacturer: Rollac, Shutter of Texas, Inc., 5331 W. Orange St., Pearland TX (281)485-1911

- 2.02 A. Materials used in the Rollac 'Apex' Shutter System shall be corrosion resistant. All operating functions of the shutter shall be achieved by a single operator selected from the manufacturers standard list of operators (Motorized). The system must be capable of smoothly traversing any length up to 8 feet without binding, allowing the operator to position the shutter at any location in the window. The maximum width per system shall not exceed 72". The maximum length of the system shall be 80".
- B. The 4400 axle assembly shall be a 60mm octagonal shaped, rolled formed, galvanized steel tube. The axle will house the motor operator selected to lift and lower the shutter and the end bearing to allow for smooth operation.
- C. The slats shall be a rolled formed aluminum material, filled with a polyurethane insulating foam core. The foam core shall increase the stability of the slat, reduce noise transfer and increase the insulation factor of the shutter. The slat shall be 55mm in height and have a coverage area of 1

- 1/16". Slats shall be painted with polyamide enamel, which give the surface an orange peel finish, and is particularly resistant to abrasion. Slat end clips shall be used to ensure slat alignment.
- D. The security side rails shall guide the slats while being lifted or lowered and be lined with a vinyl rail guard for slat protection and noise reduction. All side rails shall have a snap cap to conceal all mounting screws and limit access to mounting screws.
 - E. All shutter coils shall be concealed in a head box. The size of head box used shall be selected by the manufacturer and be constructed out of .040 gauge break shaped, aluminum. All finishes shall be corrosion resistant.
 - F. Accessories to be selected by architect from the manufacturers standard list of components. These accessories include storm bars, coastal hardware, switching for motorized operators, locking base slat and removable crank handles. Upon selection, the optional materials shall be called out in this section.
 - G. Color: Selected by Architect from manufacturer full range.

PART 3 - EXECUTION

- 3.01
 - A. Site inspection and preparation shall be in the responsibility of the shutter installer. The approval of all mounting surfaces, installation positioning within and around all openings and measurements shall be approved by architect and the shutter installer.
 - B. Install all shutters at windows level and plumb and in accordance with manufacturer's product data and approved shop drawings.
 - C. Clean all units periodically.
 - D. Any adjustments needed to units after the installation are the responsibility of the installer and will be performed free of charge for a period of one year.

END OF SECTION 083300