



## **Magnum profile Extruded aluminum slats**

Architectural Specifications  
10712 Exterior Overhead Coiling Shutters

***Part 1- General Section: includes exterior overhead coiling storm and security shutters.***

### **1.1 Submittals**

- A. Product Data: Submit manufacturer's complete product data for all specified components, including specifications, finish information and installation instructions.
- B. Shop Drawings: Submit shop drawings, showing layouts, sizes, types, product materials, components and accessories, fabrication data, operation and wiring diagrams for motor driven operators, finishes, rough-in dimensions, anchorage and installation requirements and details.
- C. Samples: Manufacturer's standard array of colors for selection by Architect.
- D. Quality Assurance Submittals:
  - Certificates: Manufacturer's certification criteria that meet design specified requirements.
  - Operating and Maintenance Instructions: Submit detailed maintenance requirements and operating instructions.
  - Warranty: Submit specified warranty documents.

### **1.2 Quality Assurance**

- A. Installer Qualifications: Use only manufacturer's factory trained installers or qualified licensed installers approved by shutter manufacturer.
- B. Regulatory Requirements:
  - Comply with all local and governing code requirements.
  - Unless otherwise specified, fabricate to withstand wind loads of same rating as component and cladding of walls.
  - Pre-Installation Conference: Conduct a pre-installation meeting to verify project installation and coordination



- Requirements and field conditions, Tele-conference is acceptable.
- Electrical Certification: ANSI approved and labeled UL325 as a complete shutter system. Individual testing of components will not be acceptable in lieu of system testing.

### **1.3 Delivery, Storage, Handling**

1. Deliver components in manufacturer's original, unopened, and undamaged containers with identification labels intact.
2. Store components protected from harmful weather conditions and damage from other construction activity.

### **1.4 Project Conditions**

Field Measurements: Verify actual measurements of openings by field measurements before fabrication. Show recorded measurements on shop drawings.

### **1.5 Warranty**

Manufacturer's Warranty.

- Submit, for Owner's acceptance, manufacturer's standard warranty document executed by an authorized company official.
- Warranty period: Five year parts, electronics, and paint finish

### **1.6 ARL Listed- UL approval**

Shutters Assemblies File 50163

Models: AUI f/b S,P, or O f/b M,MO,MR,MRO, 550, or 680.

## ***Part 2- Products***

### ***2.1 Manufacturer***

Alutech United, Inc.

117 Dixon Street

Selbyville, DE 19975

800-233-1144 FAX (302) 436-5100



## 2.2 Shutter Components:

1. Slat Type: Aluminum Extruded Single wall profile: Aluminum 6063-T6 Alloy. Security profile colors: White, Brown, Silver
2. End Retention: both ends of each slat to contain #8-10 thread, 304 Stainless steel, and an oil coating.
3. Bottom End Slat: Extruded Aluminum, 6063-T6 Alloy.
4. Operation: (Manual) (Motorized)
  - a. Manual (Pull Strap, 3:1 Crank Strap, Gear and Crank Handle, spring push-up/pull-down). Operator to be determined by shutter curtain weight.
  - b. Motorized- Electric motor operator type: Single-phase 110V- 60Hz UL approved motor. Motor manufacturer: SOMFY Systems.
  - c. Provide manual override capability allowing manual operation in case of power outage.
5. End Caps: Die Cast aluminum, Style: (4 sided, 5-sided). Colors: White, Cream, Light Beige, Gray, Brown and Silver.
6. Box Housing: Roll Formed Aluminum, Style: (4-sided, 5-sided).
7. Mounting: (Trap) (Surface) (Build-out 1"-4").
  - a. Face mount to sides of opening into building structure. No shutter shall be mounted to window frames.
  - b. Build-out required at door openings (site specific) to clear door hardware.
  - c. Build-out required and mounted to building structure at trapped openings for jamb mount. No build-out shall be attached to window frames.
8. Colors: White, Cream, Light Beige, Gray, Bronze, Brown and Silver.
9. Sidetracks: Aluminum extrusion, 6306-T5, lined with woven polypropylene runners.
10. Colors: White, Cream, Light Beige, Gray, Brown and Silver.
11. Storm Bar Assembly: Aluminum extrusion. Style and quantity per manufacturer's design to comply with certification.



## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

1. Verify conditions of substrates to determine if acceptable for shutter installation in accordance with manufacturer's instructions. Correct all unsatisfactory conditions prior to commencing shutter installations.

### **3.02 INSTALLATION**

1. Install track and all shutter components to comply with project shop drawings and manufacturer's installation product approvals.
2. After installation, lubricate, test and adjust shutters to operate properly and free from distortion.

### **3.03 CLEANING**

1. Clean installed components in accordance with manufacturer's instructions prior to Owner's acceptance. Properly remove from the site all debris remaining from this installation.
2. Inadequate surface cleaning will result in corrosion formation & potential structural damage.

### **3.04 PROTECTION**

1. Comply with manufacturer recommendations and protect completed shutter installations from damage during remaining construction so as not to void warranty.