

Awnex Shutter System Specifications

Part 1 General

1.1 Description of work

- A. Work in this section includes furnishing and installation of extruded and/or formed aluminum architectural elements, as furnished by Awnex Inc.
- B. Related Items and considerations
 - 1) Determine the method of wall, ceiling, or floor connections as required.
 - 2) Flashing of various designs as required.
 - 3) Determine wall construction, make-up, and thickness.
 - 4) Ensure adequate wall construction to carry loads as required.
 - 5) Consider water drainage out of and away from element, as requested.
 - 6) Consider any necessary removal or relocation of existing structures, obstructions or materials.
 - 7) Lighting, wiring, and electrical diagrams, as required.
 - 8) Attachment hardware to match building and application.
 - 9) Determine construction method, and materials to best match application.

1.2 Quality Assurance

- A. Products specified herein meet the established standard of quality required, as manufactured by Awnex Inc., Ball Ground, GA, 770-704-7140.

1.3 Field Measurement

- A. Confirm dimension prior to shop drawings when possible or necessary.
- B. If requested, supply manufacturer's standard literature and specifications for canopies.
- C. Submit shop drawings showing structural component locations/positions, material dimensions, and details of construction and assembly.

1.4 Performance Requirements

- A. Architectural elements must conform to local building codes.
- B. Determine if specific load requirements have been established for elements and if stamped calculations and drawings are required for location in which element is to be installed.

1.5 Delivery, Storage, and Handling

- A. Deliver and store all canopy components in protected areas until ready for installation.

1.6 References

- A. American Architectural Manufacturers Association (AAMA)
 - 1.) 2603 Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Architectural Extrusions and Panels.
- B. American Society of Civil Engineers (ASCE) 7 – Minimum Design Loads for Buildings and Other Structures.
- C. ASTM International (ASTM)
 - 1.) B-221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
 - 2.) B429 – Standard Specification for Aluminum-Alloy Extruded Pipe and Tube.

Part 2 Products

2.1 Manufacturer

- A. Awnex Inc.
260 Valley St.
Ball Ground, Georgia
Phone: 770-704-7140
Fax: 770-704-7647

2.2 Materials

- A. Architectural elements to consist of various profiles of extruded aluminum, of various, structurally appropriate alloys including but not limited to the following
 - 1.) 6063-T5
 - 2.) 6063-T6
 - 3.) 6036-T52
 - 4.) 6005A-T5

2.3 All aluminum sheet shall be alloy 3003-H14

2.4 Finishes

- A. Standard powder-coat finish shall conform with AAMA 2603 specifications. Color charts and samples are available upon request.
- B. Optional finishes include standard and custom two-coat Kynar colors, wood-look “sublimated” finish, and wet paint.

2.5 Fabrication

- A. All architectural elements are shipped in pre-assembled sections for ease of installation.
- B. All connections shall be mechanically assembled, utilizing 410 stainless steel #10 and #14 size fasteners with a minimum shear stress of 350 lb., or welded in accordance to all applicable standards

Part 3: Execution

3.1 Inspection

- A. Confirm that surrounding area is ready for the canopy installation.
- B. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Awnex Inc.
- C. Erection shall be performed by a qualified installer of similar products and scheduled after all concrete, Masonry, and roofing in the area is completed.

3.2 Installation

- A. Installation shall be performed in strict accordance with manufacturer’s shop drawings. Particular attention should be given to protecting the finish during handling and installation.

3.3 After installation, entire system shall be cleaned, inspected, sealed, and left in a clean condition.