

# Awnex Miscellaneous Elements 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.