



Awnex Tuscan Canopy Specifications

Part 1 General

1.1 Description of work

- A. Work in this section includes furnishing and installation of extruded aluminum post and beam style canopies, with or without a gutter, as furnished by Awnex Inc.
- B. Related Items and considerations
 - 1) Flashing of various designs as required.
 - 2) Determine wall construction, make-up, and thickness.
 - 3) Ensure adequate wall construction to carry canopy loads as required.
 - 4) Consider water drainage out of and away from canopy.
 - 5) Any necessary removal or relocation of existing structures, obstructions or materials.
 - 6) Lighting, wiring, and electrical diagrams, as required.
 - 7) Canopy attachment hardware to match building and application.
 - 8) Footings/foundations for posts

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.
- B. Submit shop drawings showing structural component locations/positions, material dimensions, and details of construction and assembly.

1.4 Performance Requirements

- A. Canopy must conform to local building codes.
- B. Determine if specific load requirements have been established for canopies and if stamped calculations and drawings are required for location in which canopy 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. Decking shall consist of formed channel style pans at 1/16" thickness (width varies), sealed with extruded aluminum batten caps.
- B. Soffit (as required) shall be formed aluminum at 1/16" thickness (width varies), attached to supports via #10 x 3/4" hex head self-drilling screws.
- C. Gutter members (as required) shall be extruded aluminum, alloy 6063-T6 at a nominal thickness of 1/8".
- D. Rear channel, at standard sizes of 8", 10", 12" shall be extruded aluminum alloy 6063-T5, at a nominal thickness of 1/8". If face size deviates from the standard sizes, rear channel, side and face pieces shall be brake-formed sheet at 1/8" thickness.
- E. Decking support members (compression bars) shall be extruded aluminum, alloy 6005A-T5 at a nominal thickness of 1/8"
- F. Soffit support tubes (as required) shall be extruded aluminum, alloy 6036-T52, at a nominal thickness of 1/8".
- G. Soffit trim angle shall be extruded aluminum, alloy 6063-T52, at a nominal thickness of 1/8".
- H. End and face members for 8" flat, 8" open, and 10" open face configurations, shall be snap channel of extruded aluminum, alloy 6063-T5, at a nominal thickness of 1/8".
- I. End and face members for 10", 12", 16" flat face configurations shall be extruded aluminum tube, alloy 6063-T52, at 1/8" thickness.
- J. Deviation from these faces will require brake-formed or extruded aluminum pieces to be attached mechanically to the 8" snap channel.
- K. Exposed attachment brackets and hardware shall be powder coated.
- L. All aluminum sheet shall be alloy 3003-H14

M. Posts shall consist of one of the following, depending on the calculated loads or the design intent of the customer:

- 1) 4" x 4" square aluminum tube, alloy 6063-T52, at a nominal thickness of 1/8"
- 2) 6" x 6" square aluminum tube, alloy 6063-T52, at a nominal thickness of 1/8"
- 3) 3/8" thick alum base plate, alloy 6061-T651
- 4) Deviation from these standards may be required, and shall be approved by a licensed professional engineer.

N. Beams shall be one of the following, depending on the calculated loads or the design intent of the customer:

- 1) 2" x 8" snap together aluminum purlin, alloy 6063-T5, at a nominal thickness of 1/8"
- 2) 2" x 8" rectangular aluminum tube, alloy 6063-T52, at a nominal thickness of 1/8"
- 3) Deviation from these standards may be required, and shall be approved by a licensed professional engineer.

2.3 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, and wood-look "sublimated" finish

2.4 Fabrication

- A. All Tuscan canopies 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.
- C. Concealed drainage. Water shall drain from covered surfaces into gutter extrusion located at the front for front drainage via scuppers, or the rear for ground level discharge via one or more designated downspouts.

Part 3: Execution

A.1 Inspection

- A. Confirm footings have been poured prior to installation.
- B. Confirm that surrounding area is ready for the canopy installation
- C. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Awnex Inc.
- D. 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.