



Columbus Awning Treeline Cantilevered Canopy Specifications

Part 1: General

1.1 Description of Work

1. Work in this section includes furnishing and installation of extruded aluminum overhead hanger rod style canopies as designed by Treeline Architectural Metals, LLC and manufactured by Columbus Awning Company, LLC.
2. Related Items and Considerations
 1. Flashing of various designs may be required. Generic flashing supplied by Columbus Awning Company, LLC. Specialty flashing to be supplied by Columbus Awning Company, LLC
 2. Determine wall construction, make-up and thickness. Shop drawings provided by Columbus Awning will detail components, brackets and pre-installation requirements.
 3. Ensure adequate wall condition to carry canopy loads where required.
 4. Consider water drainage away from canopy where necessary.
 5. Any necessary removal or relocation of existing structures, obstructions or materials.

1.2 Quality Assurance

1. Products meeting these specifications established standard of quality required as manufactured by Columbus Awning Company, LLC.

1.3 Field Measurement

1. Confirm dimensions prior to preparation of shop drawings when possible.
2. If requested, supply manufacturer standard literature and specifications for canopies.
3. Submit shop drawings showing structural component locations/positions, material dimensions and details of construction and assembly.

1.4 Performance Requirements

1. Canopy must conform to local building codes and snow and wind load requirements.

2. PE Stamped calculations are required and must be signed and sealed by an engineer licensed within the state canopy is installed.

1.5 Deliver, Storage, Handling

1. Deliver and store all canopy components in protected areas.

Part 2: Products

2.1 Design

Treeline Architectural Metals, LLC
297 Old County Line Road
Westerville, OH 43081
Phone (740) 815-5584
www.treelinearchitecturalmetals.com

2.2 Engineering, Manufacturer, Distributor/Installer

Columbus Awning Company, LLC
297 Old County Line Road
Westerville, OH 43081
(614) 426-4206
www.columbusawningcompany.com

2.2 Materials

1. Decking shall consist of extruded aluminum (2 ¾") cap and pan or (6") interlocking flat decking, alloy 6063-T6, in profile and thickness shown as .081". Roll Formed W Pan .040". Selection determined in the shop drawing.
2. Louvers shall consist of "Z" louvers, airfoils or rectangular/bar stock – minimum .110 thickness. Design maybe determined by architect/designer and detailed in shop drawing.
3. Intermediate framing members shall be extruded aluminum ASTM B211, alloy 6063-T6, in profile and thickness shown in Shop Drawings/Brochure options.
4. Hanger rods and attachment hardware shall be a standard finish.
5. Fascia shall be standard extruded 6", 8", 10" or 12" J style - 0.125" aluminum. Additional Fascia details, extensions, "C" Channel available based on selection.

2.3 Finishes

1. Finish type – Standard Series 49 Exterior Tiger Drylac Poly Resin Powder Coating.
2. Finish type – Series 38 Super Durable Tiger Drylac Poly Resin Powder Coating.

2.4 Fabrication

1. All Treeline Canopy Frame systems are preassembled and welded to seamless frame system.
2. Decking and Hanger Rod components assembly at construction site.
3. All connections shall be mechanically assembled utilizing 3/16 fasteners with a minimum shear stress of 350 lb.
4. Concealed drainage. Water shall drain from covered surfaces into intermediate trough and be directed to Front Scupper or Downspout depending on selection.

2.5 Engineering

1. DESIGNED IN STRICT ADHERENCE TO CHAPTER 16 OF THE OHIO BUILDING CODE
2. BUILDING RISK CATEGORY II
3. ULT. DESIGN WIND SPEED = 115MPH (3 SEC GUST)
4. IW = 1.00
5. DESIGN SNOW LOAD = 20 PSF
6. DESIGN LIVE LOAD = 20 PSF
7. ADD'L 5 PSF UNIFORM ICE LOAD
8. SS=0.166, S1=0.066

Part 3: Execution

3.1 Inspection

1. Confirm that surrounding area is ready for the canopy installation.
2. Columbus Awning is the sole Installer and distributor of Treeline Canopy systems and will confirm dimensions and elevations to be as shown on drawings provided.
3. Erection shall be performed by Columbus Awning Company and scheduled after all concrete, masonry and roofing in the area is completed

3.2 Installation

1. Installation shall be in strict accordance with shop drawings. Particular attention should be given to protecting the finish during handling and erection.
2. After installation, entire system shall be left in a clean condition.