



Columbus Awning Prefabricated Balcony Specifications

Part 1: General

1.1 Description of Work

1. Furnish and install prefabricated balcony systems as designed and manufactured by Columbus Awning Company, LLC.
2. Verify structural conditions for balcony attachment.
3. Shop drawings will detail components, brackets, and pre-installation requirements.
4. Ensure adequate structural support for balcony loads.
5. Consider water drainage and integration with building envelope.

1.2 Quality Assurance

1. Products meeting these specifications established standard of quality required as manufactured by Columbus Awning Company, LLC.
2. PE-stamped calculations provided if required by municipality.

1.3 Field Measurement

1. Confirm dimensions after preparation of shop drawings.
2. Submit shop drawings showing structural component locations, material dimensions and details of construction and assembly.

1.4 Performance Requirements

1. Balcony system must conform to local building codes and live load requirements.
2. Design Load: 65 PSF live load (heavier designs available upon request).
3. Adequacy of building structure must be certified by the building engineer of record.

Part 2: Products

2.1 Manufacturer

Columbus Awning Company, LLC

200 Intek Way, Westerville, OH 43082
(614) 426-4206
www.columbusawningcompany.com

2.2 Materials

1. Frame: 2" x 6" x 1/8" rectangular tube fascia; 2" x 4" x 1/8" rectangular tube joists.
2. Guardrails: 2" x 2" x 1/8" square tube railing; 3/4" x 3/4" x 1/16" square tube pickets.
3. Tie Rod Assembly: Ø3/4"-UNC threaded rod ASTM A307 steel, powder-coated to match balcony.
4. Mounting Brackets: 3" x 3" x 1/4" A36 angle; 2" x 2" x 1/8" HSS steel tube.
5. Knife Plate: ASTM A307 steel with Ø3/4"-UNC threaded rod.
6. Finish: Powder coat per Columbus Awning standard colors; custom colors available.

2.3 Fabrication

1. All components welded per AWS standards.
2. Contacting aluminum components connected by 3/8" fillet weld unless otherwise specified.
3. Balcony frames are factory-welded and preassembled for quick installation.

2.4 Engineering

1. Designed in strict adherence to Chapter 16 of the Ohio Building Code.
2. Design Criteria:
 1. Building Risk Category II
 2. Ultimate Design Wind Speed = 115 MPH (3-sec gust)
 3. Design Live Load = 65 PSF
 4. Design Snow Load = 20 PSF

Part 3: Execution

3.1 Inspection

1. Confirm that surrounding area is ready for balcony installation.
2. Verify dimensions and elevations per approved shop drawings.

3.2 Installation

1. Installation shall be in strict accordance with shop drawings.
2. Protect finish during handling and erection.
3. Leave entire system in clean condition after installation.