



Spec Section: 10530

## Mapes SuperShade Cantilever Support Specifications

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### Part 1: General

#### 1.1 Description of Work

1. Work in this section includes furnishing and installation of all extruded aluminum sunshades with custom designed cantilever support brackets as manufactured by Mapes Industries Inc.
2. Related Items and Considerations
  1. Flashing of various designs may be required. Generic flashing supplied by Mapes. Specialty flashing to be supplied by installer.
  2. Determine wall construction, make-up and thickness.
  3. Ensure adequate wall condition to carry canopy loads where required.
  4. Consider water drainage away from area where necessary.
  5. Any necessary removal or relocation of existing structures, obstructions or materials.

#### 1.2 Quality Assurance

1. Products meeting these specifications establish standards of quality required as manufactured by Mapes Industries, Inc. Lincoln, Nebraska 1-888-273-1132.

#### 1.3 Field Measurement

1. Confirm dimensions prior to preparation of shop drawings when possible.
2. If requested, supply manufacturer's 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. Sunshades must conform to local building codes.
2. PE Stamped calculations are available if specified and per project location.
3. PE Stamped calculations must be signed and sealed by an engineer licensed within the state the sunshades are installed.

#### 1.5 Deliver, Storage, Handling

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

### Part 2: Products

#### 2.1 Manufacturer

1. Mapes Canopies  
Lincoln, Nebraska  
Phone: 1-888-273-1132.  
Fax: 1-877-455-6572.

## **2.2 Materials**

1. Sun shading elements shall consist of extruded aluminum louver blades. (minimum .110 thickness)
2. Intermediate framing members shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
3. Cantilever support brackets shall be design engineered per application.
4. Cantilever support brackets will have standard available finishes.
5. Fascia shall be standard extruded 8" J style.

## **2.3 Finishes**

1. Finish type shall be standard or premium finish options as specified.

## **2.4 Fabrication**

1. All Mapes SuperShade sunshades are shipped in preassembled sections for ease of installation.
2. All connections shall be mechanically assembled utilizing 3/16 fasteners with a minimum shear stress of 350 lb. Pre-welded or factory-welded connections are not acceptable.
3. Louver blades shall be all extruded aluminum set on a nominal 45 degree back slant..

## **Part 3: Execution**

### **3.1 Inspection**

1. Confirm that surrounding area is ready for the sunshade installation.
2. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Mapes Industries.
3. Erection shall be performed by an approved installer and scheduled after all concrete, masonry and roofing in the area is completed

### **3.2 Installation**

1. Installation shall be in strict accordance with manufacturer's shop drawings. Particular attention should be given to protecting the finish during handling and erection.

### **3.3 After installation, entire system shall be left in a clean condition.**