

## **Mapes SuperShade “U” Channel Specifications**

### **Part 1: General**

- 1.1 Description of Work
  - A. Work in this section includes furnishing and installation of roll-formed aluminum overhead hanger rod style canopies as manufactured by Mapes Industries Inc.
  - B. Related Items and Considerations
    - 1. Determine wall construction, make-up and thickness.
    - 2. Ensure adequate wall condition to carry canopy loads where required.
    - 3. Any necessary removal or relocation of existing structures, obstructions or materials.
- 1.2 Quality Assurance
  - A. Products meeting these specifications established standard of quality required as manufactured by Mapes Industries, Inc. Lincoln, Nebraska 1-888-273-1132.
- 1.3 Field Measurement
  - A. Confirm dimensions prior to preparation of shop drawings when possible.
  - 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. Canopy must conform to local building codes.
  - B. Determine if specific load requirements have been established for canopies and if stamped calculations are required for location in which canopy is installed.
- 1.5 Deliver, Storage, Handling
  - A. Deliver and store all canopy components in protected areas.

### **Part 2: Products**

- 2.1 Manufacturer
  - A. Mapes Canopies  
Lincoln, Nebraska  
Phone: 1-888-273-1132.  
Fax: 1-877-455-6572.
- 2.2 Materials
  - A. Decking shall consist of 3” x 3” “U” Channel. (.078” extruded aluminum)
  - B. Intermediate framing members shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
  - C. Hanger rods to be powder coated finish to match the canopy.
  - D. Fascia shall be standard 8 extruded G style (minimum .125 aluminum)
- 2.3 Finishes
  - A. Standard factory options are clear anodized, or bronze baked enamel or white baked enamel.

- B. Optional finishes include Powder Coat and standard two-coat Kynarcolors.
- 2.4 Fabrication
- A. All Louvered Sunshade canopies are shipped in preassembled sections for ease of installation.
  - B. 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.

### **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 Mapes Industries.
  - C. Erection shall be performed by an approved installer and scheduled after all concrete, masonry and roofing in the area is completed
- 3.2 Installation
- A. 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.