



## Mapes Lumishade® 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. 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 canopy where necessary.
    - 5. 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 an interlocking roll-formed 2 1/2 W style pan (minimum .032 aluminum.)
  - B. Intermediate framing members shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
  - C. Hanger rods and attachment hardware shall be powder coated.
  - D. Fascia shall be standard 8 extruded J style (minimum .125 aluminum) or optional 8 K style (minimum .032 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 Kynar colors.
- 2.4 Fabrication
  - A. All Lumishade 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.
  - C. Decking shall be designed with interlocking roll-formed aluminum members.
  - D. Concealed drainage. Water shall drain from covered surfaces into intermediate trough and be directed to either the front for front drainage or to the rear for ground level discharge via one or more designated downspouts.

### **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.