



Mapes Super Lumideck® Specifications

Part 1: General

- 1.1 Description of Work
 - A. Work in this section includes furnishing and installation of extruded aluminum walkway canopies or extruded aluminum wall-supported canopies as manufactured by Mapes Industries Inc.
 - B. Related Items and Considerations
 - 1. Concrete for canopy footings. Footing block outs for post-supported units provided by manufacturer to be installed as part of concrete work.
 - 2. Flashing may be needed for wall-mounted units.
 - 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 establish a 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, beams, posts and fascia shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
- 2.3 Finishes
 - A. Standard factory options are clear anodized or bronze anodized, or white baked enamel or bronze baked enamel.
 - B. Optional finishes include standard two-coat Kynar colors.

2.4 Fabrication

- A. Support columns and gutter beams shall be designed such that the columns will be notched to create a "saddle" that will receive and secure the gutter beams.
- B. Post and beams 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 extruded aluminum members with mechanical fasteners field applied to provide structural integrity for the completed assembly.
- D. Concealed drainage. Water shall drain from covered surfaces into integral gutter beam and be directed to ground level discharge via one or more designated support posts.

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.