

# MASA Architectural Canopies

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## Extrudeck Aluminum Canopy System

### General Notes to Specifier

This master specification section has been prepared by MASA Architectural Canopies for use in the preparation of a product specification section covering pre-engineered canopies consisting of extruded aluminum framing, supports, and decking. Contact MASA for specifications to other products.

Optional text to be determined as necessary by the user is found within parentheses ( ) notation.  
e.g.: (Section 09 000)

Sustainable requirements sections should be included for projects requiring LEED certification. For additional information on LEED, visit the U.S. Green Building Council website at [www.usgbc.org](http://www.usgbc.org).

MASA has compiled and categorized its numerous color choices and accessories into an easy to select format located at [www.architecturalcanopies.com](http://www.architecturalcanopies.com) ....select Downloads and make your choice.

For assistance on the use of the products in this section, contact MASA's product support team by calling 800-761-7446, by email at [information@architecturalcanopies.com](mailto:information@architecturalcanopies.com) or visit their website at [www.architecturalcanopies.com](http://www.architecturalcanopies.com)

## SECTION 10 5020

### CANOPIES

#### **PART 1 - GENERAL**

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Building supported, pre-engineered metal canopies including fascia channels, decking, tension rods, and attachment hardware.
- B. Related Sections:
  - 1. Division 01: Administrative, procedural, and temporary work requirements.
  - 2. (Section 08 4413 - Glazed Aluminum Curtain Wall.)

##### 1.2 REFERENCES

- A. Aluminum Association (AA)DAF 45 - Designation System for Aluminum Finishes.
- B. American Architectural Manufacturers Association (AAMA)
  - 1. 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Architectural Extrusions and Panels.
- C. American Society of Civil Engineers (ASCE) 7 - Minimum Design Loads for Buildings and Other Structures.
- D. ASTM International (ASTM)
  - 1. B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  - 2. B429 - Standard Specification for Aluminum-Alloy Extruded Pipe and Tube.

##### 1.3 SYSTEM DESCRIPTION

- A. Design Requirements: Design canopy system to withstand:
  - 1. Standards for wind pressure, snow load, and drifting snow load in accordance with current adopted form of the Uniform Construction code or accepted requirements of local municipality.

##### 1.4 SUBMITTALS

- A. Submittals for Review:
  - 1. Shop Drawings: Indicate system components, dimensions, attachments, and accessories.
  - 2. Samples:
    - a. 3 x 3 inch coating samples in specified color.
    - b. 6 inch long fascia extrusion sample showing profile and standard finish.
    - c. 6 inch decking samples showing profile and standard finish.
- B. (LEED Project Submittals)
  - 1. Product Data for Credit MR 4: documentation indicating percentages by weight of

- post consumer and pre consumer recycled content. Include statement indicating cost for each product having recycled content.
2. Product Data for Credit MR 5: Indicate location of product manufacturer, distance from manufacturer to project site, and mill test report for origination of materials.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 5 years experience in installation of MASA products.
  1. (Mockup: Provide mockup of canopy system including all framing members, supports, decking, hanger rods, and attachments at location selected by architect.)

## **PART 2 - PRODUCTS**

### 2.1 MANUFACTURER

- A. Contract Documents are based on:  
Extrudeck Series

By: MASA Architectural Canopies  
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[www.architecturalcanopies.com](http://www.architecturalcanopies.com).

- B. Acceptable alternates:

Other manufacturers may bid only after written approval of the architect, obtained 10 days prior to bid opening and issued by addendum. Interested manufacturers must furnish full details of proposed product, engineering calculations on all sections involved, physical samples of all shapes and finishes, a list of installations similar in size and design, and must have a minimum of five years experience in manufacturing and installing glazed canopy systems.

### 2.2 MATERIALS

- A. Aluminum Extrusions:  
1. ASTM B221 & ASTM B429 6063-T5 alloy and temper.
- B. Hardware:  
1. All fasteners shall be (stainless steel) or (zinc coated) for corrosion resistance.

### 2.3 COMPONENTS

- A. Framing:  
1. Type: Extruded aluminum "J" channel fascia  
2. Size: 8" x .125"
- B. Canopy Supports: Extruded Aluminum Canopy Support "I" Beam
- C. Decking: 3" x 6" x .090" Interlocking Extruded aluminum flat soffit decking (as selected from MASA decking options)
- D. Attachment: 1.050" diameter steel hanger rod, finished to match canopy.
- E. Custom Fascia Profiles: (4" Crown) (3" Crown) (8" Industrial) (12" Industrial)
- F. Other Components: other components as indicated or as required for system attachment and performance.

### 2.4 ACCESSORIES

- A. Obscurity Screen Top Enclosure System with .090 aluminum flanged frame, Ferrari cover Soltis 86 (selected by architect from MASA color choices)
- B. Lighting (Recessed) (Surface Mount) Type with welded light dams (selected by architect from MASA Lighting choices)
- C. Down spouts 2" x 3" (.032 roll formed) (.125 Heavy Extruded) Finished to match canopy color.

### 2.5 FABRICATION

- A. Fabricate canopy system in accordance with approved Shop Drawings.
- B. Kit canopies to be mechanically assembled with shear stress strength as per engineering. Pre- assembled canopies are shop welded by MASA approved personnel.
- C. Drainage system to be concealed type. Covered surfaces direct water to field drilled drain, to be *coordinated at site*.

## 2.6 FINISHES

(select appropriate finish)  
(powder coat finish)

- A. Aluminum:
  - 1. Pre- Treatment: Pre-treat to ASTM D1730 type B, Method 5 using a multi stage chromate process or an approved chrome- free pretreatment process approved by powder coating manufacturer for optimized weather resistance.
  - 2. Finish coat: AAMA 2603 Thermosetting Polyester Resin-based Powder
  - 3. Source: Tiger Drylac powder coating or equivalent.
  - 4. Color: (color) to be selected by architect from MASA color range
- B. Matthews Acrylic Polyurethane (color) to be selected by architect from MASA color range
- C. Kynar 500 (color) to be selected by architect from MASA color range

## **PART 3 - EXECUTION**

### 3.1 FIELD DIMENSIONS

- A. Field verify dimensions of supporting structure at site of installation prior to fabrication.

### 3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Install components plumb and level, in proper plane, free from warp and twist.
- C. Anchor system to building components; provide adequate clearance for movement caused by thermal expansion and contraction and wind loads.

### 3.3 ADJUSTING

- A. Touch up minor scratches and abrasions on finished surfaces to match original finish.
- B. Clean with mild, non-abrasive solution and a cotton cloth under low pressure.

END OF SECTION