

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 project specification section covering pre-engineered building canopies consisting of extruded aluminum framing, supports, and decking. Contact MASA for specifications to other products.

Optional text to be determined as necessary by user is found within parentheses () notation.
e.g.: (Section 09 0000)

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.

For assistance on the use of the products in this section, contact MASA Architectural Canopies by calling 800-761-7446, by email at information@architecturalcanopies.com, or visit their website at 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 finish.
 - c. 6 inch decking samples showing profile and 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.
- B. (Mockup:

1. 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

By: MASA Architectural Canopies
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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 extruded aluminum louver systems

2.2 MATERIALS

- A. Aluminum Extrusions:
 1. ASTM B221 & ASTM B429 6061-T6 alloy and temper.
- B. Hardware:
 1. All fasteners shall be stainless steel or hot dip galvanized for corrosion resistance.

2.3 COMPONENTS

- A. Framing:
 1. Type: Extruded aluminum "J" channel fascia
 2. Size: 8"x .125"
- B. Canopy Supports: 3" x 3" x .25 Extruded Aluminum Canopy Support "I" Beam
- C. Decking: 3" x 6" x .078 Interlocking, Extruded Aluminum Flat soffit decking (as selected from MASA decking options)
- D. Attachment: 1" 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. Anchors and Fasteners: Stainless steel or hot dip galvanized and corrosion resistant

2.5 FABRICATION

- A. Fabricate canopy system in accordance with approved Shop Drawings.
- B. All canopies to be mechanically assembled with a minimum shear stress strength of 350lbs. Pre-welding is not acceptable.
- 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)

(powdercoat 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's color range

(clear anodized)

B. Aluminum: AA M12C22A31, Class I anodized to 0.0007 inch minimum thickness, clear.

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.

END OF SECTION