

## MASA Architectural Canopies

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### Alumiframe Aluminum Awning 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 aluminum awnings consisting of welded extruded aluminum framing and metal enclosure. 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](http://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](mailto:information@architecturalcanopies.com), or visit their website at [www.architecturalcanopies.com](http://www.architecturalcanopies.com)

## SECTION 10 5030

### AWNINGS

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

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Building supported metal awnings including framing, enclosure, and attachment hardware.
- B. Related Sections:
  - 1. Division 01: Administrative, procedural, and temporary work requirements.
  - 2. (other)

##### 1.2 REFERENCES

- A. American Society of Civil Engineers (ASCE) 7 - Minimum Design Loads for Buildings and Other Structures.
- B. 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 awning 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 decking/ siding 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 awning system including all framing members, enclosure materials, and attachments at location selected by architect.)

#### **PART 2 - PRODUCTS**

##### 2.1 MANUFACTURER

- A. Contract Documents are based on:
  - Alumiframe

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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 square tube
  - 2. Size: 1" square (2" Square)(3" Square)
- B. Enclosure: 2mm Aluminum Composite Panel (1 ½" Standing seam metal roofing with 1 ¼" wall panel)
- C. 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.

## 2.6 FINISHES

- A. Aluminum Framing:
  - 1. Pre- Treatment: White Epoxy Primer 274 908SP pre cleaned and pre sanded
  - 2. Finish coat: Low VOC Acrylic Polyurethane
  - 3. Source: Matthews Paint
  - 4. Color: (color) to be selected by architect from MASA's color range

## **PART 3 - EXECUTION**

### 3.1 FIELD DIMENSIONS

- A. Field verify dimensions of supporting structure and any openings 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