SECTION 10 73 16 - METAL CANOPIES

SECTION 10 73 24 – [CAR SHELTERS] [WALKWAY COVERS]

GENERAL

SUBMITTALS

Action Submittals:

Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

Product Data: Manufacturer’s descriptive data and product attributes.

Samples: [Selection samples.] [Verification samples.]

Informational Submittals:

Certificate of Compliance: Certification that installed products meet specified design and performance requirements.

QUALITY ASSURANCE

Installer Qualifications:

* + - 1. Firm specializing in work of this section with minimum [2] [\_\_] years’ experience.
      2. Utilize manufacturers trained installer.

Mockup: Minimum [4] [6] [\_] feet long. Approved mockup [may] [may not] remain as part of the Work.

SYSTEM DESCRIPTION

Provide [wall-supported cantilevered] [wall and post supported] [fully post-supported] [tie-back (hanger rod) supported] exterior metal canopies.

Employ qualified professional engineer licensed in State in which project is located.

Design Requirements: Design canopy system to withstand:

Live and dead loads in accordance with Building Code.

Movement caused by an ambient temperature range of [120] [\_\_] degrees F and a surface temperature range of [160] [\_\_] degrees F.

Design canopies to AA ADM-2020 Aluminum Design Manual, 2020 Edition.

PRODUCTS

MANUFACTURERS

Contract Documents are based on products by D8 Products (715) 327-4660 [www.d8products.com](http://www.d8products.com/)

Substitutions: [Refer to Division 01.] [Not permitted.]

MATERIALS

Aluminum Extrusions: ASTM B221.

Aluminum Sheet: ASTM B209.

Fasteners:

Rivets: Size 3/16 inch x 1/2 inch grip range high-strength aluminum rivets with aluminum mandrel.

Bolts, Nuts and Washers: 18-8 non-magnetic stainless steel.

Isolation: Isolate aluminum from cementitious materials and dissimilar metals by use of zinc rich paint, bituminous coating, or non-absorptive gaskets.

Exposed Sealant: ASTM C920 polyurethane type in color to adjacent material.

Concealed Sealant: ASTM C1311.

FABRICATION

Fabricate in accordance with AA ADM-2020.

Decking: Form from 5052 H32 aluminum sheet.

Fascia Channel and Gutter Frame: Extruded aluminum, minimum 8 inches high x 2-inches wide x 0.125 inch thick.

Cantilever Supports: Single piece, non-welded wall support brackets with slip-on outrigger beams, minimum 8 x 2 x 0.125 inch.

\*\*\* OR \*\*\*

\*\*\*\* OR \*\*\*\*

Post Support Columns: Minimum 6 by 6 by 0.25 inch extruded aluminum shapes.

\*\*\* OR \*\*\*

\*\*\*\* OR \*\*\*\*

Wall Tie-Back Supports: 6061 aluminum, 1-inch round overhead support rods or tubes with adjustable clevis and eye at each end.

Wall Bracket: Aluminum 5052 square plate with means to capture and support tie-back rod eye using bolt, nut, and washers.

Canopy Bracket: Aluminum 5052 saddle bracket secured to top of canopy frame to capture and support tie-back rod eye using bolt, nut, and washers.

Drainage:

Drain canopies from decking away from building to internal gutter and discharge through drain scupper.

Slope drain pans.

Flashings: Aluminum sheet finished to match canopy, minimum [0.050] [\_\_] inch thick.

FINISHES

Aluminum: AAMA 611, Architectural Class I anodized, [clear.] [dark bronze.] [black.] [\_\_.]

\*\*\*\* OR \*\*\*\*

Aluminum: AAMA 2604, powder coating, [white.] [sierra tan.] [charcoal gray.] [black.] [\_\_.] color [to be selected from manufacturer's full color range].

EXECUTION

INSTALLATION

Install in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION