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