

SECTION 107310 – OVERHEAD SUPPORTED CANOPY

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes: Overhead Supported Canopy.

1.2 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
- B. American Welding Society (AWS):
 - a. Standard D1.2 – Structural Welding Code – Aluminum
- C. American Architectural Manufacturers Association (AAMA):
 - 1. Aluminum finishes AAMA 2603 Powder Coat
 - 2. Aluminum finishes AAMA 2605 Kynar
 - 3. Aluminum finishes AAMA 611 Anodize

1.3 SUBMITTALS

- A. Submit within 15 days after contract award.
- B. Shop Drawings: Indicate size, material and finish. Include plan elevation pages to clearly outline canopy locations. Include installation procedures, details of joints, attachments and clearances. Provide lead time for product and note possible conflicts with standard line.
- C. Color charts showing manufacturer's full range of colors from standard line.
- D. Certification – Provide Professional Engineer certification that the proposed canopy design and layout meets or exceeds all applicable loadings (ex: wind load, rain live load, dead load, snow load) for the job location (city & state) in accordance with OBC and ASCE 7-10.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: Helios Canopy as manufactured by Architectural Fabrication, Inc. Other acceptable manufacturers are:

1. Mitchell Metals, LLC
2. ATAS
3. Dittmer Architectural Aluminum
4. Mapes

2.2 MATERIALS

- A. Framing: Gutter fascia, tube, angles: 6063-T5 alloy extruded aluminum
- B. Decking: 6063-T6 or 6063-T5 alloy extruded aluminum (Roll form is NOT acceptable)
- C. Hanger Rods: Zinc plated steel and powder coat (Prime and paint are not acceptable)
- D. Connections: Wall plates and canopy mounting brackets are to be aluminum.
- E. Hardware and Fasteners: Nuts, bolts, washers, clevis pins, screws, anchors and pipe spacers to be zinc plated or galvanized steel required to suit application and per pre-engineered canopy load requirements.
- F. Flashing: Shall be minimum 0.040-inch aluminum, fabricated to prevent leakage and sealed with Novaflex metal roof sealant in clear or color match. Other equivalent sealant is acceptable.
- G. Finish: Powder coat finish per ASTM D 3451, complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, baking and minimum dry film thickness. Color to be selected from standard color line.

PART 3 – EXECUTION

3.1 FABRICATION

- A. Fabricate and preassemble canopies in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

3.2 INSTALLATION

- A. Install canopies per manufacturer's written instructions and as indicated on drawings.
- B. Locate and place canopies level, plumb and at indicated alignment with adjacent work.
- C. Use concealed anchors where possible.
- D. Repair damaged finishes so no evidence remains of corrective work. Return items to the factory that cannot be refinished in the field. Make required alterations and refinish entire unit or provide new units.
- E. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a coating of bituminous paint or elastomeric coating on surfaces that will be in contact with concrete, masonry or dissimilar metals.

END OF SECTION

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