

PART 1 - GENERAL**1.01 SUMMARY**

- A. Section Includes: Design, fabrication, and installation of extruded aluminum wall hung canopy cover systems.

1.02 RELATED DOCUMENTS

- A. Applicable portions of the Agreement, Conditions of the Contract (General, Supplementary, and other Conditions), Drawings, Specifications, and Addenda issued prior to the execution of the Contract, other documents listed in the Agreement and Modifications issued after the execution of the Contract shall apply to this Section. The general requirements for this work are in Division 1 of the Specifications.

1.03 SUBMITTALS AND SUBSTITUTIONS

- A. In accordance with Section 01 33 00.
1. Product Data: Manufacturer's product information, specifications, and installation instructions for walkway cover components and accessories.
 2. Shop Drawings: Include plan dimensions, elevations, and details.
 3. Manufacturer's full range of colors for the finishes selected.
 4. Design Data: Design calculations bearing the seal of a Registered Professional Engineer, licensed in the state where the project is located. Design calculations shall state that the walkway cover system design complies with the wind requirements of ASCE 7, the stability criteria of applicable building code, and all other governing criteria.
- B. Substitutions will not be considered prior to the award of the General Contract.
- C. Samples:
1. Selection: Manufacturer's standard range of colors for the finishes selected.
 2. Verification: 2-inch-square samples of each finish selected on the substrate specified.
- D. Design Data: Design calculations bearing the seal of a Registered Professional Engineer, licensed in the state where the project is located. Design calculations shall state that the canopy system design complies with the wind requirements of ASCE 7, the stability criteria of applicable building code, and all other governing criteria.

1.04 REFERENCES

- A. The Aluminum Association (AA):
1. The Aluminum Design Manual 2010, Specifications & Guidelines for Aluminum Structures.

- B. American Architectural Manufacturers Association (AAMA):
1. AAMA 611, Voluntary Specification for Anodized Architectural Aluminum.
 2. AAMA 2603, Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.
 3. AAMA 2605, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
 4. American Society for Testing and Materials (ASTM):
 - a. ASTM B 209, Specification for Aluminum and Aluminum- Alloy Sheet and Plate.
 - b. ASTM B 221, Specification for Aluminum and Aluminum- Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.05 SYSTEM DESCRIPTION

- A. Design Requirements:
1. Design Canopies in accordance with The Aluminum Design Manual 2000.
 2. Comply with the wind requirements of ASCE 7.
 3. Provide aluminum system complete with internal drainage.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: At least ten years experience in the design, fabrication, and erection of extruded aluminum canopy cover systems.

PART 2 - PRODUCT

2.01 MANUFACTURERS

- A. Manufacturers:
1. AVAdek Walkway Covers and Canopies, 9201 Winkler, Houston, TX 77017, 713-944-0988 or 800-777-4031.
 2. Mapes Canopies, Lincoln, NE, Phone: 1-888-273-1132. **(Basis-of-Design)**
 - a. Super Lumideck Hangar Rod Canopy with 2-3/4" Corrugated Deck.
 3. Peachtree Protective Covers, Inc., 1477 Rosedale Drive, Hiram, GA 30141, 770-439-2120.
 4. Perfection Architectural Systems, LLC, 2310 Mercator Dr, Orlando, FL, Tel.: 800-238-7207
 4. Tennessee Valley Metals, Inc., 190 Industrial Park Road, Oreonta, AL 35121, 800-551-2579.
 5. Archetype Canopies, 5432 S 103rd E Ave, Tulsa, OK 74146, (918) 584-8449.
 6. Mid-South Metal Buildings, LLC, 4997 Koko Reef Dr., Hernando, MS 38632. Contact: Chad Mitchell @ (901) 568-0062.
 7. Vestis Manufacturing, 213 East Ermina Avenue, Spokane, WA 99207, (509) 257-3069. Web: <https://www.vestismfg.com>
 8. Approved equal.

2.02 MATERIALS

- A. Decking shall consist of an interlocking roll-form 2-3/4" x 6" x .078 roll formed interlocking aluminum decking.
- B. Intermediate framing members shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current manufacturer's brochures.
- C. Hanger rods and attachment hardware shall be a standard finish.
- D. Fascia shall be standard extruded 8" Style "J" Fascia .125 thickness with 2" dia. Drain Hole and .032 aluminum Drainage Scupper (Field locate and install).

2.03 FABRICATION

- A. All canopies shall be shipped in preassembled sections for ease of installation.
- B. All connections shall be mechanically assembled utilizing 3/16 fasteners with a minimum shear stress of 350 lb. Pre-welded or factory-welded connections are not acceptable.
- C. Concealed drainage. Water shall drain from covered surfaces into intermediate trough and be directed to Front Scupper.
- D. Finish shall be Fluoropolymer Two-Coat Coating System: Manufacturer's standard two-coat, thermocured system consisting of specially formulated inhibitive primer and fluoropolymer color topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight; complying with AAMA 2605.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Verify that all concrete, masonry, and roofing work in the vicinity is complete and cleaned.

3.02 ERECTION

- A. Erect canopy true to line, level, and plumb.
- B. Provide hairline miters and fitted joints.

3.03 CLEANING

- A. Clean all protective cover components promptly after installation.

3.04 PROTECTION

- A. Protect materials during and after installation.

END OF SECTION 10 73 16