

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Canopies
 - 1. Cantilevered and Suspended Canopies.
- B. Services Furnished:
 - 1. Materials by FenWall
- C. Related Sections:
 - 1. 05 10 00 - Structural Metal Framing
 - 2. 08 80 00 - Glazing

1.02 REFERENCES

- A. Abbreviations
 - 1. AAMA – American Architectural Manufacturers Association
 - 2. ASTM – American Society for Testing and Materials

1.03 SYSTEM PERFORMANCE DESCRIPTION

- A. Design
 - 1. Design canopies, including comprehensive engineering analysis by a qualified engineer, using structural performance requirements and design criteria indicated.
- B. Structural Performance
 - 1. Canopies shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated without permanent deformation of canopy components or permanent damage to fasteners and anchors.
- C. Wind Loads
 - 1. Determine loads based on a uniform positive and negative pressure.
- D. Snow Loads
 - 1. Determine load base on geographic location.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination
- B. Pre-installation Meetings
- C. Sequencing
- D. Scheduling

1.05 SUBMITTALS

- A. Per Division 1, Product Information, Samples, Shop Drawings According to Conditions of Contract.
- B. General: Prepare, review, approve, and submit specified submittals in accordance with "Conditions of the Contract". Submittals include, but are not limited to: Product Data, Shop Drawings, Engineering Data, and Material and Finish Samples.
- C. Substitutions: No substitutions without written approval for Owner and/or Architect. Whenever substitute products are to be considered, supporting technical data, samples, and test reports must be submitted ten (10) working days prior to bid date in order to make a valid comparison.
- D. Quality Assurance / Control Submittals:
 - 1. Engineering data: Submit Engineering drawings and data indicating that canopy complies with structural performance requirements and design criteria indicated.
 - 2. Installer Qualification Data: Submit installer qualification data.

1.06 ACTION SUBMITTALS

- A. Product Data: Submit product data for each type of product specified.
- B. Shop Drawings: For canopy. Include plans, elevations, sections, details, and attachments to other work. Show frame profiles and gutter profiles, supports, spacing, anchorage, accessories, and finish colors.
- C. Samples: Submit verification samples for colors on actual aluminum substrates indicating full color range expected in installed system.
- D. Manufacturer's Instructions:
 - 1. As per Installation/Shop Drawings

1.07 CLOSEOUT SUBMITTALS

- A. Maintenance Contracts
 - 1. Upon Request
- B. Warranty Documentation
 - 1. Shall be Project Specific

1.08 MAINTENANCE MATERIALS SUBMITTALS

- A. Spare Parts
- B. Extra Stock Materials
- C. Tools

1.09 QUALITY ASSURANCE

- A. Regulatory Agency Sustainability Approvals
- B. Qualifications
 - 1. Installer Qualifications: Installer experienced (as determined by contractor) to perform work of this section who has specialized in the installation of work similar to that required for this project. If requested by Owner, submit reference list of completed projects.
- C. Testing Agencies
 - 1. Optional – To Be Chosen by Manufacturer
- D. Pre-Installation Meetings
 - 1. Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions, and manufacturer's warranty requirements.

1.10 WARRANTY

- A. Project Warranty: Refer to "Conditions of the Contract" for project warranty provisions.
- B. Manufacturer's Warranty
- C. Special Warranty

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Manufacturer:
 - 1. FenWall, LLC
13929 Lynmar Boulevard
Tampa, FL 33626
Telephone: (813) 343-5979
www.FenWalls.com

2.02 MATERIALS

- A. Hot Rolled Steel: ASTM A36
- B. Stainless Steel: ASTM A276
- C. Aluminum Extrusions: ASTM B 221M, Alloy 6063-T5
- D. Aluminum Sheet: ASTM B 209M, Alloy 3003 with temper as required for forming
- E. Laminated Tempered Glass: ASTM 1172
- F. Fasteners: Use types and sizes to suit unit installation conditions.

2.03 FABRICATION, GENERAL

- A. Join frame, gutter and support members to each other with fillet welds concealed from view welds or threaded fasteners, or both. Attach top deck with threaded fasteners as standard with canopy manufacturer unless otherwise indicated.

2.04 CANOPY COMPONENTS

- A. Cantilevered Canopy
 - 1. Steel outrigger support. (For metal canopy only)
 - 2. Stainless steel bracket support. (For glass canopy only)
 - 3. Aluminum canopy body. (For metal canopy only)
 - 4. Outrigger attachment plate. (For metal canopy only)
 - 5. Glass deck panel. (For glass canopy only)
 - 6. Flashing
 - 7. Accessories and options
- B. Suspended Canopy
 - 1. Aluminum canopy body.
 - 2. Glass deck panel.
 - 3. Suspension members and hardware.
 - 4. Flashing
 - 5. Accessories and options

2.05 FINISHES AND COLORS

- A. Canopy and support hardware shall receive polyester powder coating unless otherwise noted.
- B. Polyester powder coating: Electrostatically applied colored polyester powder coating heat cured to chemically bond to metal substrate.
- C. Provide color as indicated or, if not otherwise indicated, as selected by architect from standard color range of polyester powder coatings.

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS / RECOMMENDATIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, installation instructions, and product carton instructions.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions.

3.03 PREPARATION



FABRICATION & MANUFACTURING

13046 Racetrack Road | Suite 177 | Tampa, FL 33626
813.343.5979 | info@FenWalls.com | www.FenWalls.com

FenWall - 3 Part Specification

Metal Canopies

Fenwall Cantilevered and Suspended Metal Canopies

10 73 16

- A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.
- B. Aluminum Surface Protection: Protect aluminum surfaces from contact with lime, mortar, cement, acids, and other harmful contaminants.

3.04 INSTALLATION

- A. General: Install manufacturer's system in accordance with shop drawings, and within specified tolerances.
 - 1. Locate and place Canopy level, plumb, and at indicated alignment with adjacent work.
 - 2. Use concealed anchorages where possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make a weather-tight connection.
 - 3. Provide perimeter reveals and openings of uniform width to allow for thermal expansion, as indicated.
 - 4. Repair damaged finishes so no evidence remains of corrective work. Return items that cannot be refinished in the field to the factory and refinish entire unit or provide new units.

3.06 CLEANING

- A. Cleaning: The General Contractor shall clean installed products in accordance with manufacturer's instructions prior to owner's acceptance, and remove construction debris from project site. Legally dispose of debris.
- B. Protection: The General Contractor shall protect the installed product's finish surfaces from damage during construction.

END OF SECTION 10 73 16