**107300 - PROTECTIVE COVERS**

**1.0 GENERAL**

**1.01 DESCRIPTION OF WORK**

A. Work in this section includes furnishing and installation of Flat Metal Canopies as manufactured by Elite Awnings Inc.

B. Related Items and Considerations

1. Plan for proper attachment to wall construction including fastener type, size and locations. Coordinate for blocking or additional interior wall

structure as require to support canopy loads.

2. Provide for water drainage through scuppers or downspouts per project drawings.

**1.02 STANDARDS**

A. Products meeting these specifications established standard of quality as required by

Elite Awnings Inc, 720 N Price Rd, Sugar Hill GA 30518- 678.288.9421

B. All work and materials shall conform to the following standards.

1. ASTM

2. American Welding Society

3. National Fire Protection Agency

4. National Association of Architectural Metal Manufacturers

C. Performance requirements

1. Canopy must conform to local building codes.

D. Determine if specific load requirements have been established for canopies and if stamped calculations are required for location in which canopy is

installed.

E. Installer Qualifications: Must have at least 10 years’ experience in installation canopies of type and installation method similar to work in this section.

F: Manufacturer Qualifications: Must have at least 10 years’ experience in manufacturing canopies of type and installation method similar to work in this project.

**1.03 Submittals**

A. Shop Drawings

1. Drawings showing all frame dimensions

2. Canopy locations

3. Connection Details

4. Product Information

C. Frame Finish

1. Powder Coated- Color as Selected by Owner or Architect from Manufacturer’s color chart of specified color(s)

2. Kynar – 2 coat Kynar Color to be selected from Manufactures full range of colors.

**1.04 WARRANTY**

A. Canopy

1. Manufacturer shall warrant all manufacture supplied components against defects in labor and materials for a period of 5 years commencing on the date of substantial completion.

B Installation

2. Installer shall warrant entire scope of installation including connection of canopies to building, caulking or flashing of canopies and installation of

decking panels, against defects in all labor and materials for a period of

one year commencing on the date of substantial completion.

**2.0 PRODUCTS**

**2.01 MANUFACTURERS**

A. Acceptable Manufacturer:

Elite Awnings Inc

720 N Price Rd

Sugar Hill GA 30518

678.288.9421

estimating@eliteawnings.net

**2.02 MATERIALS**

A. Decking shall be Fabral Powerseam High-performance Structural Decking- Finish on Underside Only.

B. Fascia to be extruded aluminum structural channel and trims to match profiles indicated in project drawings.- 8” extruded J Style

C. Gutters to be 6063 T6 extruded aluminum minimum 4” x 3-1/2” with minimum sidewall thickness of 1/8”. Gutter to form self-contained “loop” spanning back, sides and fronts of canopies.

D. Hanger rods to be galvanized steel tube sized as required by applicable building codes or project documents, whichever is greater. Hanger rods to have

adjustable jaw style galvanized steel ends. Powder Coated Finish or Kynar as selected by Architect or Owner.

E. Fasteners shall be noncorrosive, nonstaining bolts, shims and accessory items.

**2.03 FRAME FINISH: Powder Coat Finish**

A. General

1. Canopies to be powder coated to comply with NAAMM’s “Metal Finishes

Manual for Architectural and Metal Products”.

2. 2 Coat Kynar available for up charge as well. B. Pre-Assembly

1. Before powder coating, canopy fascia/gutter assemblies shall be fully assembled, with welded joints.

C. Coating performance

1. When tested in compliance with ASTM D 3363, coating shall withstand a minimum gauge hardness 2H.

2. When tested in compliance with ASTM D 2794, pass up to 80 lbs.

3. Coated frame shall have a minimum salt spray resistance of 500 hours, using ASTM B117, without loss of paint adhesion.

**2.04 FABRICATION**

A. Aluminum Components

1. To be joined by welding in compliance with ASW standards. All members to be cut so as to form tight joints with no gaps.

2. Use clean, straight, smooth material that comply with approved plans and shop drawings.

B. Hanger Hardware

1. Wall plates to be precision machined with bevelled edges and radiused clevis plate as per approved drawings and manufacturer’s product

literature.

2. Hanger rods to be prefabricated assemblies straight and true welded in compliance with ASW standards.

C. Decking

**3.0 EXECUTION**

1. Decking panels to be pre-formed, cut to length and widths and marked for assembly.

**3.01 INSPECTION**

A. Installer shall confirm dimensions prior to fabrication.

B. Confirm surrounding area is ready for canopy installation.

**3.02 INSTALLATION**

A. Install canopies in positions indicated in manufacturer’s shop drawings.

B. Installation shall be structurally sound, level, plumb and leak free.

C. Installer to protect finish during handling and erection and complete installation.

D. Installer shall clean all canopies upon completion and insure all gutters are clean and free of debris.