

## SECTION 107313

### AWNINGS

#### PART 1 GENERAL

##### 1.1 SUMMARY

A. Work of this Section includes fabric awnings and metal awning frames systems.

B. Related Sections

1. Section 06200 – Finish Carpentry.

##### 1.2 REFERENCES

A. Structural welding code steel AWS D1.1

B. Structural welding code steel AWS D1.2

##### 1.3 SUBMITTALS

A. General: Submit each item in this article according to the Condition of the contract and Division 1 Specification Sections.

B. Shop Drawings: Show shop and erection details, including cut, copes, connections holes and welds. Show welds, both shop and field, by the current recommended symbols of the AWS. Do not fabricate members until shop drawings have been reviewed.

##### 1.4 QUALITY ASSURANCE

Requirements of Awning manufacturer and Awning Contractor, contractor must provide proof of certifications:

A. Have been in continuous operation as a professional fabric awning manufacturer for a minimum of fifteen (15) years prior to this contract.

B. Welder Qualifications: The personnel manufacturing the metal awning frames must be certified welders.

##### 1.5 WARRANTY

A. Warrant frame materials and workmanship against defects for a period of one (1) year from date of government acceptance of the work.

B. Warrant fabric materials and workmanship against defects for a minimum period of five (5) years from government acceptance of the work.

## PART 2 PRODUCTS

### 2.1 AWNINGS

A. Fabric: Sunbrella®, Sattler, Dickson, or Recacril, other exterior grade fabric 100 percent acrylic fiber, color as selected by Architect, awning material that carries a minimum five (5) year manufacturer's warranty. Fabric must be flame retardant to meet California Fire Marshal requirements or equal.

B. Frames: Minimum 16GA galvanized steel ASTM A 500 tubing or .125 ASTM B 221 aluminum tubing, welding to AWS standards with welds ground smooth. Frames designed for wind loads, and seismic requirements as required by structural engineering requirements.

C. Frames: All corners are to be mitered or completely welded to AWS standards.

D. Metal welding: All joints must be mitered or completely welded to AWS standards, ground smooth, primed and painted.

E. Use Extruded Aluminum Awning Rail molding to attach fabric cover to head bar.

F. Anchors: Anchoring hardware shall be Stainless Steel or galvanized, zinc-coated 3/8" diameter or greater.

G. Painting:

1. Two coats High-solids Polyurethane coating minimum thickness 3.0-5.0 mils with 1 coat 0.2-0.4 mil thickness industrial wash primer.

2. Color: Standard color selected by Architect from manufacturer's standard color selection.

H. Calking: Acrylic latex or silicone sealant at head bar and wall junction.

I. Use aluminum side molding to attach material to head bars.

J. Sewing thread, must be Tenara® brand or equal. Standard colors Black or Clear

### 2.2 FABRICATION

A. Fabricate awning and frames in strict accordance with the reviewed shop drawings, written welding procedure specifications and the reference standards.

B. Awning Frame Finish: Frames and metal components are Mill Finish, Hi Solids Polyurethane Coat or Polyester Powder Coat painted.

### PART 3 INSTALLATIONS

A. Buildings are to be field measured by the awning contractor prior to awning manufacture and awning installation.

B. Install awnings and frames in strict accordance with the Drawings and the reviewed shop drawings, and provide appropriate building code requirements and aligned and plumb.

C. Welding procedures and operation shall comply with the referenced standard. Welding electrodes shall comply with ASTM A 233, E-70 Series. Grind smooth exposed welds; finish welds to the inside.

**A. END OF SECTION**