

## **SECTION 107313 (10536)**

### **AWNINGS**

#### **PART 1 GENERAL**

##### **1.1 RELATED SECTIONS**

- A. 107113 Exterior sun control devices
- B. 107113.43 Fixed sun screens
- C. 107300 Protective covers
- D. 107316 Canopies
- E. 107326 Walkway coverings
- F. 133100 Fabric structures
- G. 133123 Tensioned fabric structures
- H. 133133 Framed fabric structures

##### **1.2 SUMMARY**

- A. Work of this Section includes fabric awnings and metal awning frames systems.
- B. Related Sections
  - 1. Section 06200 – Finish Carpentry.

##### **1.3 REFERENCES**

- A. Structural welding code steel AWS D1.1
- B. Structural welding code steel AWS D1.2
- C. General contractors license in the states of California and Arizona.
- D. Los Angeles City Approved Fabricators license.
- E. Worker's Compensation Insurance certificate.
- F. General liability insurance certificate in excess of \$4 million.

- G. Vehicle insurance certification.

#### 1.4 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.
- C. Include engineering calculations showing wind load requirements of the local Building Department and include fastener and erection details, signed and sealed by the qualified professional engineer responsible for their preparation.

#### 1.5 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 ten (10) years prior to this contract.
- B. Hold a valid general contractor's license for a minimum of five (5) years.
- C. Welder Qualifications: The personnel manufacturing the metal awning frames must certified welders.
- D. Provide written welding procedure specifications.
- E. Professional Engineer Qualifications: A professional engineer who is legally authorized to practice in the jurisdiction where project is located and who is experienced in providing engineering services for installing fabric awnings similar to those indicated fro this project and with a record of successful in service performance.
- F. Have a current Los Angeles City Approved Fabricator's license.
- G. OSHA 10 Hour Construction Industry Certified Training.
- H. OSHA Fall Protection Training.
- I. Job site installation crew must include one CPR trained member on the job site at all times of the installation.

- J. The installation crews must have a copy of the awning company's Code of Safety practices at the job site during times of installation.
- K. Hold daily Safety Tail Gate Meetings before start of installation work.
- L. When forklifts are used at the job site, the operator must be Fork Lift Operation Trained.
- M. Certified California AB1825 Sexual Harassment Training.
- N. The awning fabricator must provide proof they have an ongoing written Quality Assurance program for five (5) years or more.
- O. The awning fabricator must provide proof of it full-time Quality Assurance manager.
- P. The awning manufacturer must provide proof of \$4 million general liability insurance coverage.
- Q. The awning manufacturer must provide proof of workers compensation insurance coverage.
- R. It is recommended that the awning contractor be a current member of a professional trade association, i.e., Professional Awning Manufacturers Association, the Western Canvas Products Association or other established related trade association.

## 1.6 WARRANTY

- A. Warrant frame materials and workmanship against defects for a period of one (1) year from date of substantial completion of the Work.
- B. Warrant fabric materials and workmanship against defects for a minimum period of five (5) years, on a prorated basis, from the date of substantial completion of the work and/or offer the same warranty offered by the fabric mill that manufactured or supplied the fabric.

## PART 2 PRODUCTS

### 2.1 AWNING MANUFACTURERS

- A. Approved Manufacturers: Eide Industries, Inc., 16215 Piuma Avenue, Cerritos, CA 90703, Phone (562) 402-8335, Fax: (562) 924-2233, Email: [info@eideindustries.com](mailto:info@eideindustries.com), Website: [www.eideindustries.com](http://www.eideindustries.com) and [www.awnings.com](http://www.awnings.com).

## 2.2 AWNINGS

### A. Awning shapes:

1. Standard Window Awning
2. Standard Window Awning with Solid Valance
3. Convex Awning
4. Concave Awning
5. Dome Awning
6. Long Dome Awning
7. Patio Canopy
8. Rounded Entrance Canopy
9. Gable Roof Entrance Canopy
10. Hip Roof Entrance Canopy
11. Free Standing Cabana Canopy

B. Fabric: Sunbrella® 100 percent acrylic fiber, color as selected by Architect, manufactured by Glen Raven Mills or other exterior grade fabric awning material that carries a minimum five (5) year manufacturer's warranty. Based on the city's requirements, the architect is to specify if the fabric must be flame retardant to meet California Fire Marshal requirements or equal.

C. Frames: Minimum 1-inch square 16GA galvanized steel ASTM A 500 tubing or 1" square .125 ASTM B 221 aluminum tubing, welding to AWS standards with welds ground smooth. Frames designed for wind loads, snow loads and seismic requirements as required by structural engineering requirements.

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

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

F. Use Eide Aluminum Awning Rail molding to attach fabric cover to head bar.

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

H. Painting: Two coats of polyester powder coat required when the awning installation is within 4 miles of the ocean or Painting: Shop primer shall conform to FS TT-P-615d (2). Type 1. Use Rustoleum brand paint 2185 zinc – rich spray when further than 4 miles from the ocean.

- I. Calking: Acrylic latex or silicone sealant at head bar and wall junction.
- J. Use aluminum side molding to attach material to head bars.
- K. Sewing tread, must be Tenara® brand or equal

## 2.3 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 to be polyester powder coat painted.

## PART 3 INSTALLATIONS

### 3.1 INSTALLATION

- A. Minimum ten (10) years awning installation experience required by the awning contractor.
- B. Buildings are to be field measured by the awning contractor prior to awning manufacture and awning installation.
- C. 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.
- D. 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.
- E. Installation firm must hold a current contractor's license.

END OF SECTION