

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 Georgia & South Carolina.
- D. Worker's Compensation Insurance certificate.
- E. General liability insurance certificate in the amount of \$2 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. If required 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 fifteen (15) 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 be 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 from this project and with a record of successful in service performance.
- F. OSHA 10 Hour Construction Industry Certified Training.
- G. OSHA Fall Protection Training.
- H. Job site installation crew must include one CPR trained member on the job site at all times of the installation.
- I. The installation crews must have a copy of the awning company's Code of Safety practices at the job site during times of installation.
- J. Hold daily Safety Meetings before start of installation work.
- K. When forklifts are used at the job site, the operator must be Fork Lift Operation Trained.
- L. The awning fabricator must provide proof they have an ongoing written Quality Assurance program for five (5) years or more.
- M. The awning fabricator must provide proof of it full-time Quality Assurance manager.
- N. The awning manufacturer must provide proof of \$2 million general liability insurance coverage.
- O. The awning manufacturer must provide proof of workers compensation insurance coverage.

P. Fabricator is a Master Fabric Craftsman certified by the Industrial Fabrics Association International.

Q. Fabricator must have an in-house Made-in-America manufacturing facility for both frame and fabric membrane components.

R. It is recommended that the awning contractor be a current member of a professional trade association, i.e., Professional Awning Manufacturers 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. Coastal Products LLC, DBA Coastal Canvas Products

73 Ross Rd, Savannah, GA 31405
P.O. Box 22834, Savannah, GA 31403
Phone 912-236-2416
Toll Free 800-476-5174
Fax 912-232-7884
Web www.coastalcanvas.net
Email info@coastalcanvas.net

2.2 AWNINGS

A. Awning shapes:

1. Standard Window Awning A01
2. Standard Window Awning with Solid Valance A01 Rigid
3. Convex Awning A02
4. Concave Awning A03

5. Dome Awning A08
6. Long Dome Awning A03 w/ A08 ends
7. Patio Canopy A01
8. Rounded Entrance Canopy A12
9. Gable Roof Entrance Canopy A15
10. Hip Roof Entrance Canopy A15 hipped
11. Free Standing Cabana Canopy
12. Custom Shapes and Combinations

B. Fabric:

1. Acrylic Fabrics: 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. 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.

2. Vinyl Fabrics: Weblon® Coastline Plus®, Ferrari 502, Patio 500, or other vinyl polyester composite fabric, color selected by Architect, that carries a five (5) year manufacturer's warranty Meets California State Fire Marshall Title 19, NFPA-701 ASTM E84-81A Flame Spread Rating Class A (15)

C. 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.

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

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

H. Painting:

When required:

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. Optional: Electrostatic applied polyester powder coating based on Cardinal Industrial Finishes Powder Coating.

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

I. Graphics (if applicable): 3M™ Scotchcal™ ElectroCut™ Graphic film, applied with the Sunbrella Graphics System (SGS) Machine, by a Certified Sunbrella Graphics System Manufacturer. Screen printing, hand painting or any other method of graphic application will not be accepted.

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

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

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

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 Mill Finish, Hi Solids Polyurethane Coat or 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