

10536 AWNING SPECIFICATIONS (GatorStitch™ Steel Framing System)

1.0 GENERAL

1.01 DESCRIPTION

- A. This section includes steel-framed awning systems and fabric structures utilizing the European "Staple-In" method of attaching covers.

1.02 STANDARDS

- A. All work and materials must conform to applicable performance standards where referenced in the specifications:
 - 1. American Society for Testing Materials (ASTM)
 - 2. American Welding Society (AWS)
 - 3. American Iron & Steel Institute (AISI)
 - 4. Steel Structure Painting Council (SSPC)
- B. Field Measurements:
 - 1. A field survey shall be made prior to fabrication to ensure coordination with adjacent trades and fit of work.

1.03 SUBMITTALS

- A. The following submittals shall be required of the awning supplier:
 - 1. Shop Drawings showing awnings in elevation, plan and section.
 - a. Drawings shall include the following details:
 - 1. All frame dimensions, including overall dimensions, module dimensions and fabric panel dimensions.
 - 2. Frame module labels.
 - 3. Frame module connection details.
 - 4. Connection details.
 - 5. Material information.
 - 6. All other applicable information.
 - 2. Samples to be made available on request.

B. Materials

- 1. Fabric
 - a. Provide color sample cards showing full range of available colors and/or 8-in. by 8-in. samples of specific fabric for final color selection.

1.04 WARRANTY

A. Awning System

- 1. Supplier shall warranty:
 - a. Steel frames and fabric attachment against defective material and workmanship for a period of five (5) years.
 - b. Labor to replace defective fabric shall be guaranteed for

- one (1) year.
- c. Awning installation shall be warranted for one (1) year.
- 2. Fabrics shall be warranted under the fabric manufacturer's warranty policy for a minimum of five (5) years.

1.05 MAINTENANCE

- A. Upon installation, awnings are to be clean and free of any substance that might discolor or damage surfaces.
- B. Written cleaning instructions are to be made available from the fabric manufacturer.
- C. Damaged fabric panels should be replaceable individually, on the job-site.

2.0 MATERIALS

2.01 FRAMEWORK

- A. Frame to be constructed using 1-in. square, 18-gauge GatorStitch® steel staple-in tubing where required for attachment of fabric covers.
 - 1. All other frame members to be Gatorshield® high strength structural steel tubing or equivalent.
- B. All framework to have minimum yield strength of 50,000 PSI and tensile strength of 55,000 PSI.
- C. Steel frame members shall be sized to withstand regional code requirements including live loads, dead loads, and super-imposed loads.
- D. Fasteners shall be non-corrosive, and non-staining. This includes all anchors, bolts, shims and accessory items.

2.02 FRAME FINISH:

***Note: Insert text from either GatorStitch Frame Finish option 1: Factory Finish or option 2: Enamel Paint Finish here.**

2.03 FABRIC

- A. Fabric style and color to be selected by specifier.
- B. ***NOTE: Select fabric option by name and insert here.**

2.04 STAPLE CHANNEL ENCLOSURE TRIM

- A. Steel Stitch™ PVC ZipStrip® is to be used to cover all staple seams except as noted below:
 - 1. For awnings to be covered with Sunbrella®, or similar, soft textured canvas fabric, use Steel Stitch™ Fabric-Covered ZipStrip®.
- C. Steel Stitch™ DividerBead® is to be used where structure modules are joined.
- D. Steel Stitch™ FlashStrip® is to be used on top of awning where it contacts substrate to provide weatherproof seal.

2.05 STAPLES

- A. Staples to be 18-gauge galvanized or stainless steel 3/8-in. or 1/2-in. long with 5/16-in. width crown.

3.0 EXECUTION

3.01 FRAME

- A. All framing members are to be joined by welding.
- B. Each member is to be cut to an appropriate miter that provides a tight, clean fit.
- C. Junctions are to receive no less than three welds per member.
- E. Welds are to be in accordance with AWS D1.1:2000 "Structural Welding Code – Steel".
- F. Welds that interface with fabric panels are to be ground smooth and de-burred so that no sharp edges come in contact with the fabric. All other welds are to be brushed thoroughly to remove all deleterious materials before applying shop primer.
- F. Prime welds using one of the following cold galvanizing coatings:
 - 1. Loctite's™ 82039 Cold Galvanizing Compound,
 - 2. ZRC's™ Galvilite® Cold Galvanizing Compound, or
 - 3. Other equal having minimum zinc makeup of 92%.
- G. Apply a finish coat of color-matched paint to welds if entire frame will not be painted (See "FRAME FINISH" for specification on painting of entire frame if applicable).
- H. Finished frame modules shall be sized so that they can be transported in accordance with all national & regional transportation regulations.

3.02 FABRIC

- A. Fabric is to be installed by stapling into the channeled members.
 - 1. Staples should penetrate and hold through aluminum staple web.
 - 2. Staples are to be galvanized steel or stainless steel and are to be 3/8-in. to 1/2-in. in length.
 - 3. Fabric shall be attached to aluminum frame members with steel staples placed at a maximum spacing of 1-1/4".
- B. Fabric is to be applied tight and is to be free of wrinkles, sagging, puckers and punctures.
- C. All panels are to be equal in tension and quality.

3.03 STAPLE CHANNEL ENCLOSURE TRIM

- A. (see section 2.04.A)
- B. (see section 2.04.B)
- C. (see section 2.04.C)
- D. All PVC trims are to be trimmed at junctions to provide a clean, attractive fit.

3.04 LIGHTING

- A. Lights (if applicable) are to be installed in such a way as to provide even lighting of fabric panels, with no dark spots.

- B. Frames shall be built so that all backlit graphic panels are shadow-free.

3.05 INSTALLATION

- A. Awning(s) will be installed in position(s) indicated by shop drawings, securely connected to supports.
- B. Number and size of fasteners shall be sufficient to meet required loads.
- C. Installation shall be structurally sound, level, plumb and leak free.