

# 10536 AWNING SPECIFICATIONS

## 1.0 GENERAL

### 1.1 DESCRIPTION

- A. This section includes fabric covered aluminum framed awnings (canopies) using the Steel Stitch™ "staple-in" method of attaching fabric covers.

### 1.2 MANUFACTURERS

**Heartland Awning & Design, Inc.** Contact: Steve Moyer

[www.heartlandawning.com](http://www.heartlandawning.com)

email: [steve@heartlandawning.com](mailto:steve@heartlandawning.com)

phone: 402-330-9270

### 1.3 STANDARDS

- A. All work and materials shall conform to the following standards:
  - 1. ASTM
  - 2. American Welding Society
  - 3. Industrial Fabric Association International
  - 4. National Fire Protection Agency
  - 5. Society of Protective Coatings

### 1.4 SUBMITTALS: Drawings - Provide four (4) complete sets of the following:

- A. Shop Drawings
  - 1. Drawings showing all frame dimensions
  - 2. Awning locations
  - 3. Frame module Labels
  - 4. Frame module connection details
  - 5. Connection Details
  - 6. Product information
- B. Materials
  - 1. Fabric:
    - a) Provide color sample cards showing full range of available colors and/or 8"x 8" samples of specific fabric for final color selection.
    - b) For awnings to be covered with Sunbrella®, or similar, soft textured canvas fabric, provide color card showing available Steel Stitch™ Sunbrella® ZipStrip® colors.

### 1.5 WARRANTY

- A. Awning System:
  - 1. Aluminum frame and fabric attachment warranted for five (5) years by awning manufacturer.
  - 2. Fabric shall be warranted for a minimum of five (5) years by fabric manufacturer.
  - 3. Labor for defective fabric replacement shall be warranted for one (1) year.
  - 4. Awning installation shall be warranted for one (1) year.

### 1.6 MAINTENANCE

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

## 2.0 PRODUCTS

## **2.01 MATERIALS**

A. Frame structure to be of 6063-T5 aluminum extrusions by Steel Stitch™ Corporation.

1. Aluminum framing profiles shall be sized to withstand all live, dead and superimposed loads. The frame design shall meet regional code restrictions.
2. Fasteners shall be non-corrosive, non-staining bolts, shims and accessory items.

**\*Note: Select one of the following three (3) options re: Frame Finish. Delete unused options.**

## **2.02 FRAME FINISH: Enamel Paint Option**

A. Surface Preparation.

- 1) All frame surfaces are to be cleaned free of debris, oxidation, grease, oil and any other release agents.
- 2) Apply 1 coat Devflex™ 4020PF Primer, to 1.0 mil dry thickness.

B. Finish

- 1) Paint is to be DevFlex™ QD 4208 Quick Dry Enamel. Color to be selected by Specifier.
- 2) Conventional spray application is acceptable.
- 3) Apply two coats, 2.0 mil per coat dry thickness.
- 4) Allow to dry for a minimum of 2 hours, or to manufacturer's specifications.

C. Additional information regarding Devflex™ 4020PF Primer and DevFlex™ QD 4208 Quick Dry Enamel:

- 1) Suppliers and technical information sheets can be obtained from Devoe Coatings (ICI Paints North America), 925 Euclid Avenue, Cleveland, OH, 44115. (216) 344-8000.

## **2.02 FRAME FINISH: Powder Coat Finish**

A. General

1. All aluminum frame surfaces shall be powder coated to comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products". Color to be selected by specifier from powder coater's standard colors.

B. Pre-Assembly

1. Before powder coating, awning frames shall be fully assembled with welded joints to the largest size(s) that can be accommodated by the powder coater.

C. Coating performance

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

## **2.02 FRAME FINISH: Mill Finish**

A. Aluminum left in natural finish created by extrusion process.

## **2.03 FABRIC**

A. Fabric style and color to be selected by specifier.

**\* NOTE: Contact Heartland Awning & Design, Inc. for fabric specification information. 402-330-9270 [info@heartlandawning.com](mailto:info@heartlandawning.com)**

## **2.04 PVC TRIMS**

- A. Steel Stitch™ PVC ZipStrip® is to be used to cover all staple seams except as noted below. . For awnings to be covered with Sunbrella®, or similar, soft textured canvas fabric, Steel Stitch™ Sunbrella® covered ZipStrip® may be preferred.
- B. Steel Stitch™ DividerBead® is to be used where structure modules are joined.
- C. 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" or 1/2" long with 5/16" width crown.

## **2.06 SUBSTITUTIONS**

- A. Requests for substitutions will be considered.

## **3.0 EXECUTION**

### **3.01 FRAME**

- A. All frame members to be joined by welding in compliance with ASW standards.
- B. Welds to be 1/4" fillet welds, welded with 4043 aluminum welding rod.
- C. Each joint to be welded on at least three (3) sides.
- D. All members to be cut so as to form tight joints with no gaps.
- E. Remove all burrs from cut edges.

### **3.02 FABRIC APPLICATION**

- A. Staples to be shot into cross web inside channel of Steel Stitch™ "staple-in" aluminum extrusions.
- B. Fabric is to be applied with no wrinkles, puckers, sagging or punctures.
- C. Fabric shall be attached to aluminum frame members with steel staples placed at a maximum spacing of 1-1/4".

### **3.03 PVC TRIM APPLICATION**

- A. All PVC trims are to be trimmed so as to provide an attractive appearance.
  - 1. Ends of PVC trims, where butted to other trim, shall be firmly secured with stainless steel screws with heads painted to match PVC color.
  - 2. Where possible, on "T" joints, staple ZipStrip® into channel and cover with crossing ZipStrip®.

### **3.04 SUPPLIERS**

- A. Heartland Awning & Design, Inc. 402-330-9270 info@heartlandawning.com  
14550 Grover Street, Omaha, NE 68144

### **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.