

SECTION 10536
FABRIC AWNINGS
Acrylic Fabric, Aluminum Frame

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

A. Drawings and general provisions of the contract, including General and Special Conditions, apply to the work of this section.

1.02 DESCRIPTION OF WORK:

A. The extent of awning work is indicated on drawings and by provisions of this section.

1.03 QUALITY ASSURANCE:

A. General: Provide awning units which are complete assemblies, produced by one manufacturer/fabricator. All structural framework and fabric elements are single source responsibility of fabricator.

B. Fabricator's Qualifications: Where indicated units require custom fabrication, provide units fabricated by shop which is skilled, and with a minimum of ten (10) years of experience in similar work. Fabricate all custom equipment items at same shop. Where units cannot be fully shop fabricated, complete fabrication work at project site.

1.04 SUBMITTALS:

A. Shop Drawings: Submit shop drawings for all components and application conditions of awning units which are not fully dimensioned or detailed in product data. Show relationships to adjoining work. Provide sections and details at connections and corners. Provide schedule of all units to be furnished, including field measurements at each location.

B. Samples: For initial selections, submit color charts showing full range of colors and actual fabric samples available for each awning assembly.

1.05 WARRANTY:

A. Awning Manufacturer to guarantee workmanship for a period of one (1) year.

B. Fabric warranty period to be ten (10) years from the original installation date.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

A. Manufacturer: Subject to compliance with requirements, provide products of the following:

2.02 MATERIALS:

A. Awning fabric: Woven fabric, made of 100% modacrylic solutions dyed fibers with a fluorocarbon finish. Typical weight approximately 9.25 oz. per square yard. "Sunbrella" by Glen Raven Mills Inc. or approved equal (non-flame retardant).

B. All seams to be heat sealed using the Triad Wedge Welder. Seams not possible for heat sealing are to be sewn.

C. Thread: Bonded polyester V-92 meets spec. VT285E, Type II, Class I, Sub Class B (Thread color to match fabric color).

D. Framework:

Frame structure to be constructed of completely welded 6063-T5 aluminum extrusions.

Aluminum framing profiles shall be sized to withstand all live, dead and superimposed loads. The frame design shall meet regional code restrictions.

E. **Paint:** Frames to be Powder Coated using “Tiger Drylac Polyester Powder Coatings” Color to be chosen from standard color chart.

F. **Expansion Anchors:** Zinc Plated Carbon Steel anchors shall be a pre-assembled sleeve style anchor with a hex head. Components shall be plated according to ASTM specification B63, SCI, Type III. "LOK/BOLT" by Powers Fasteners or approved equal.

G. **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.

2.03 FABRICATION GENERAL:

A. **Shop Assembly:** Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

B. **Awning Framework:** Use materials of size and thickness as required to produce strength and durability in finished product for use intended. Work to dimensions indicated or accepted on shop drawings, using proven details of fabrication and support. Use type of materials indicated or specified for various components of work.

1. Form exposed work true to line and level with accurate angles and surfaces and straight sharp edges. Maintain cross-section of pipe and tubing. Crimped pipe ends, fitting and tee connections are not acceptable.

2. Weld corners and seams continuously, complying with AWS recommendations. Grind and brush all welds. Brazed welds are not acceptable.

3. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where-ever possible.

4. Provide for anchorage of type shown, coordinated with supporting structure. Fabricate and space anchoring devices to provide adequate support for intended use.

C. **Fabric coverings:** Design awning covers for easy removal with lacing of covers to framework.

PART 3 - EXECUTION

3.01 INSTALLATION

A. **General:** Install awning units in manner indicated to comply with manufacturer's instructions. Position units level, plumb, secure, at proper height and location relative to adjoining window units, openings and other related work. Securely anchor units with proper clips, brackets, anchorages, suited to type of mounting indicated.

B. Provide adequate clearances between fabric awning framework and structures to permit unencumbered operation of hardware.

C. Attach fabric to frame work as recommended by manufacturer to assure proper fit of fabric to frame.