

SPECIFICATIONS

Section 10530 - FABRIC AWNINGS and CANOPIES (with Fabric Options)

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– Submittals:

- A. Shop Drawings: Submit shop drawings for components and application conditions of awning units which are not fully dimensioned or detailed in product data. Provide sections and details at connections.
- B. Samples: Submit color charts showing range of colors.

1.04– Quality Assurance:

- A. General: Provide awning units, which are complete assemblies, produced by one manufacturer/fabricator.
- B. All structural framework and fabric elements are single source responsibility of fabricator.
- C. Fabricator’s Qualifications: Where indicated units require custom fabrication, provide units fabricated by shop which is skilled, and with a minimum of five (5) years of experience in similar work. Where units cannot be fully shop-fabricated, complete fabrication work at project site.

1.05– Warranty:

- A. Fabrics shall be warranted by the fabric manufacturer for a minimum of 5 years. Labor to replace defective fabric shall be warranted for 1 year. Aluminum frames and fabric attachment shall be warranted against defective material and workmanship for a period of 1 year by awning manufacturer.

Part 2 – Products

2.01 – Acceptable Manufacturers:

- A. **Parasol Awnings, LLC**
4834 Hickory Hill Road
Memphis, Tennessee 38141
Phone (901) 368-4477
Fax (901) 368-1798
www.parasolawnings.com

- B. Equivalent systems by other manufacturers will be approved for substitution by addendum if the following conditions are met:
- 1) Other manufacturers must have submitted requested information and have been qualified to bid no less than 10 days prior to bid closing date.
 - 2) Manufacturer must submit complete company literature and information to the architect for review.
 - 3) Manufacturer must submit complete proposed canopy system details, including sizes and strength values of all members to be used.

2.02 – Materials:

- A. Awning fabric: (NOTE: Optional materials available. See “Notes to Specifier-Optional Fabric Specs”.)
- B. Seams: Seams are to be primarily RF welded or wedge welded with thermal bonding tape. Use M1000 Tenara thread for sewn seams as needed.
- C. Ferrous Metals:
- 1) Steel plates, shapes and bars: ASTM A36.
- D. Non-Ferrous Metals:
- 1) All frames to be made with 1” x 1” x .0625 square 6063-T5 aluminum extrusion mill finish.

2.03 – Fabrication General:

- A. Shop Assembly: Pre-assemble 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. 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 tubing. Crimped ends, fitting and tee connections are not acceptable.
 - 2) Junctions bearing major stress shall receive no less than 3 welds per joint.
 - 3) Welding process to be mig wire welded with argon gas and 4043 alloy aluminum welding wire.
 - 4) 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.
 - 5) Rafter spacing shall be no more than 36” on center.
 - 6) Drop and projection arms shall be no more than 72” on center.
- C. Utilize Staple, Screw Down or Combination of attachments described below:

Staple System

1. Fabric is to be attached to framework using a staple system.
2. Staples shall be galvanized and not less than ½” long. Staples should be no more than 1 ½” apart.
3. All staple seams shall be covered with a PVC trim and all joints should be finished neatly.

Screw Down System

1. Fabric to be secured to frame by zinc coated #10 x 3/4” self-tapping screws.
2. Screws to be spaced evenly, no more than 6” apart.
3. Where frames are built in sections, fabric will be stapled or screwed to underside or side of frame at joint to produce a flush fit.

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. Secure anchor units with proper clips, brackets, and anchorages, suited to type of mounting indicated.

END OF SECTION

Notes to Specifier – Optional Fabric Specs. (Refer to Part 2 item 2.02 above)

Parasol Awnings, LLC Memphis, TN (901) 368-4477 www.parasolawnings.com

2.02– Materials:

Fabric

- 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 accepted equal (non-flame retardant)
- B. Thread: M1000 Tenara Sewing thread – 100% expanded PTFE.

2.02 – Materials:

Fabric

- A. Awning fabric: Woven fabric made of 100% modacrylic solution dyed fibers with a fluorocarbon finish. Typical weight approximately 9.25 oz per square yard. “Sunbrella Firesist” by Glen Raven Mills Inc. or accepted equal (flame retardant meets NFPA701).
- B. Thread: M1000 Tenara Sewing thread – 100% expanded PTFE.

2.02 – Materials:

Fabric

- A. Backlit Awning fabric: Pigmented vinyl coated polyester, 16 oz per sq. yd. with mildew and UV inhibitors. “NiteLite” by Dickson Co. or accepted equal (flame retardant)
- B. Seams: All seams are to be RF welded.

2.02 – Materials:

Fabric

- A. Awning fabric: Vinyl laminated polyester fabric, 16/17 oz. per sq. yd. with mildew and UV inhibitors, Urethane finish treatment, “Coastline +” by Astrup or accepted equal (flame retardant meets NFPA701).
- B. Seams: All seams are to be RF welded.

2.02 – Materials:

Fabric

- A. Awning fabric: Vinyl high-tenacity polyester fabric, 17 oz. per sq. yd. with mildew and UV inhibitors, finish biface vinyl coated, clear varnish top side, “Ferrari Preconstraint 502” by Serge Ferrari or accepted equal (flame retardant meets NFPA701).
- B. Seams: All seams are to be RF welded.

2.02 – Materials:

Paint:

- 1) All frame surfaces are to be cleaned with vinegar to remove oxidation. First, apply vinegar to the frame with an abrasive pad. Then remove the vinegar and contaminants from the frame with a clean absorbent cloth. Turn the cloth often during the removal process. Also, change cloths when necessary to avoid recontamination of the frame surfaces.
- 2) Paint is to be M29 Direct to Metal Acrylic Semi-Gloss Latex by Benjamin Moore & Co. or equivalent. Apply 2 coats @ 2.0 DFT mils. Dry for 16 hours after first coat and 8 hours after second coat.
- 3) Conventional spray application is acceptable.