

SPECIFICATIONS
Patio Covers and Pergola Awnings Section 107313 (10530)
Fabric Retractable Engineered Structures Section 133400



P.O. Box 1068 7785 Rt. 175,
Jessup, MD 20794

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Specifications for Pergola Awnings by SUNAIR®:

PART 1 - GENERAL

1.1 SECTIONS INCLUDE / RELATED SECTIONS:

- A. 107113 Exterior Sun Control Devices**
- B. 107300 Protective Covers**
- C. 133133 Framed Fabric Structures**

1.2 SECTIONS INCLUDES

- A. Fabricated engineered Structure / aluminum frame**
- B. Motors and Controls**
- C. Fabric**
- D. Accessories**

1.3 RELATED SECTIONS

- A. Section 03300 cast –In-Place Concrete: Concrete Pad, foundation and anchor bolts**
- B. Section 08810 - Glass: Glass and glazing requirements for glazed openings.**
- C. Section 050513 Powder Coating.**

1.4 DEFENITIONS

- A. Structure / Pergola width is measured from outside of guide to outside guide**
- B. Structure Pergola Projection is measured from wall to outside of pillar / posts**
- C. Structure Post Height under gutter measured from top of post under gutter to bottom of post bracket**

1.5 DESIGN REQUIREMENTS

- A. Provide factory built prefabricated structures and shelters capable of withstanding the effects of loads and stresses within limits and under conditions indicated by local codes and manufacturer.**

1.6 SCOPE / DESCRIPTION:

- A. Furnish and install a Pergola® awning(s) (*MODEL*) as manufactured by Sunair Awnings & Solar screens , P.O Box 1068 Jessup, MD 20794 in accordance with the specifications below.**

1.7 SUBMITTALS

- A. Product Data: Manufacturers data sheet shall be submitted for each product specified including, finishes, dimensions, options and installation instructions.**
- B. Drawings and diagrams: Product details, installation details, working and assembly drawings shall be supplied as requested.**
- B. Sample: Contractor or agent shall supply sample of materials as required.**

1.8 QUALITY ASSURANCE

- A. Product shall be manufactured to meet or exceed the quality and standards of the Pergola® awnings as per description above.**
- B. Supplier shall be approved to supply the products specified and shall honor all claims and warranties as specified in accordance with manufacturers warranty.**
- C. Provide structures from one manufacturer for the entire project if possible.**

1.9 DELIVERY STORAGE AND HANDLING

- A. Product shall be delivered to site in manufacturer original packaging.**
- B. All products should be stored and handled to prevent damage to materials, finishes, and operating mechanism.**

1.10 WARRANTY

- A. Supplier shall honor manufacturers product warranty from date of installation (See specific warranty detail available from Sunair Awnings & Solar Screens).**

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable manufacturer: Sunair Awnings and Solar Screens (Awnings Unlimited Inc) P.O Box 1068, 7785 Rt. 175, Jessup, MD 20794. 800–548-0408. info@sunairawnings.com, www.sunairawnings.com**
- B. Substitutions: Substitutions not permitted. Any substitutions must be submitted for approval 30 days prior to close of bid.**
- C. Product descriptions and types. Pergola® is a custom made retractable fabric structure in which the structure is made of a stationary aluminum framework with a folding or retractable fabric roof cover. The fabric is supported by paralleled intermediary support fabric bars located approximately every 22” along the structure. The fabric cover and support bars retract and extends along the aluminum fabric structure by means of a belt and carriage system. The control mechanism is a 110 volt Somfy tubular motor which is operated with a remote control.**
- D. Pergola® wall mounted models include the LEVEL, MITO, TECNIC, EVO, ALUTECNIC, STIL, and TECNIC ONE.**
- E. Free standing model includes the NOMO, RIALTO, PHOENIX, and ZEN (Free standing models can be wall mounted as well).**

2.2 STRUCTURAL & MATERIALS

- A. Product Description: Frame member’s tubular aluminum Extrusion anodized or powder coated from manufacturers standard or custom available color range.**
- B. Unit Size: Field measure each structure to fit. Dimensions: Overall width, overall projection, mounting height at wall, post height.**
- C. Type of system, Type 1 with two (2) pillars / posts , Type 2 with three (3) pillars / posts, and Type 3 with four (4) pillars / posts.**
- D. Hood system to fit specified projection**
- E. Fabric: PVC Ferrari 602, Ferrari 502, Ferrari 6002 Stam, Opatex, Soltis 86, and Acrylic fabrics from manufacturers standard range of types and colors.**

- F. On Type 1 systems with two (2) posts provide the patented “click and Lock” system allowing for easy and safe installation of the fabric and front bar to the aluminum structure / frame.**
- G. The Pergola® “Drop catcher” system shall be integrated on all support bars and carriages when the unit utilizes “taut” straight fabric with pitch to reduce water flowing over the sides of the fabric. With the Drop catcher system installed and proper pitch, the water flows into the integrated gutter system.**
- H. The Pergola® “Safety box” shall be integrated on all motorized units and installed on the running profiles.**
- I. Motors and controls shall be manufactured by Somfy Inc. in Cranberry NJ, from their standard radio compatible 550 or 660 series (ALTUS RTS) range.**

3 ACCESSORIES

- A. Roll up SC2000, SC3000, SC4000, SC4500 zipper screens, or SC2500 screens manufactured by Sunair® either open roller or cassette type with zipper track or cabled with the magnetic lock device. Available fabric, either mesh or solid vinyl with windows as per manufacturers available range.**
- B. LED Lights**
- C. Heaters**
- D. Glass panels / Retractable Glass Walls**
- E. Alternate or to one side water drainage for flat non sloped structures**
- F. Undercover / swag fabric made of acrylic fabric to simulate canvas look**

PART 3 –EXECUTION

3.1 INSTALLATION

- A. Install structures in accordance with the manufacturers standard instructions.**
- B. If motorized, set the limit switches and program all remotes. Coordinate with the electrician so that all motors are wired to local codes.**

- C. Coordinate installation with other divisions for proper installation of structure to decking, concrete slab or wall attachment. Anchor mounting supports to provide adequate support for intended use of structure, design loads, and local codes.
- D. Buildings are to be field measured by the awning contractor prior to Pergola awning being manufactured and installed.

3.2 DEMONSTRATION

- A. Demonstrate operational method and instruct owner's personnel in proper operation and maintenance of the awning system.

END OF SECTION

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