

SPECIFICATIONS
Adjustable Louvered Roofs (10530)
Patio Covers and Pergola Awnings Section 107313



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Jessup, MD 20794

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Specifications for Louvered Pergola Awnings by SUNAIR®:

PART 1 - GENERAL

1.1 SECTIONS INCLUDE / RELATED SECTIONS:

- A. 107113 Exterior Sun Control Devices
- B. 107300 Protective Covers

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 gutter system to outside of gutter system with slats running parallel to width.
- B. Structure Pergola Projection is measured from rear gutter to outside Gutter with slats running perpendicular to projection.
- 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 OPERA or VISION*) as manufactured by Pratic in Italy and distributed 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 distributor / 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 adjustable louvered structure in which the structure is made of a stationary aluminum framework with adjustable louvers by means of a motor. The control mechanism is a 110 volt Linak linear actuator motor which is operated with a remote control.
- D. Blades shall be operable and adjustable from closed position to 140°.
- E. Brackets , pins, plates, and screws of the entire unit must be made of 304 or 470 stainless steel.
- F. When units/modules are coupled together they shall share a common structural gutter beam, and middle posts.
- G. Pergola® models include the Opera and Vision, along with Raso side screens that are optional for Opera model only.
- H. Both Opera and Vision models can be either wall mounted (01) type or free standing (02) type.

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. Posts shall be at least 15 cm x 15 cm profile. Support Profile with guide must be at least 32 cm high. Blades shall be minimum 20 cm.

- B. Unit Size: Field measure each structure to fit. Dimensions: Overall width, overall projection, mounting height at wall, post height.**
- C. Type of system wall mounted or free standing.**
- D. Number of units or modules needed will depend on system size requirements.**
- E. Fabric: For optional RASO screens will be Ferrari type, Soltis 86 mesh when screen fabric is desired, or 502 vinyl when solid screens are desired from manufacturers standard range.**

- F. Water Discharge from the louvered “top” and gutter system will be inside the integrated structural OPERA or VISION posts (Pratic patent). Exterior mounted gutters shall not be permitted.**

- G. Motors and controls shall be manufactured by Linak & Pratic**

3 ACCESSORIES

- A. Roll up RASO zipper screens integrated into the structure gutter system. Screens shall not be added on the exterior of the unit afterwards. Available fabric, either mesh or solid vinyl with windows as per manufacturers available range.**

- B. LED Spot lights built into the blades, or RGB LED in line perimeter multi colored lighting**

- C. Heaters**

- D. Glass panels / Retractable Glass Walls**

- E. Adjustable telescoping foot plates up to 5 cm to level system.**

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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