

# SECTION SPECIFICATIONS 107113

## Window Shades SC4500 & SC2500 Mastershade® Zipper Screens



SUNAIR AWNINGS & SOLAR SCREENS  
P.O. Box 1068 7785 Rt. 175,  
Jessup, MD 20794

JESSUP, MD 800 – 548 – 0408  
PHOENIX, AZ 877 – 272 - 3920

### Specifications SC4500 & SC2500 Mastershade Zipper Screens:

#### PART 1 - GENERAL

##### 1.1 RELATED SECTIONS:

- A. 107100 Exterior Protection
- B. 107113 Exterior Sun Control Devices
- C. 107113 Motorized Exterior Zipper Shading Systems
- D. Division 6 Section Rough & Finish Carpentry
- E. Division 8 Section Door & windows

##### 1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract
- B. Fabricated Shade, Cassette & Track system
- C. Motorized retractable system / motors and controls
- D. Fabric
- E. Accessories

##### 1.3 SUMMARY:

- A. Section includes the motorized fabric screen, fabric, motor, and Automation controls.

##### 1.4 SUBMITTALS

- A. Product Data: Manufacturers data sheet shall be submitted for each product specified including, Styles, finishes, dimensions, options and installation instructions.
- B. Drawings and diagrams: Product details, dimensions, mounting and installation details, working and assembly drawings. Typical wiring details. Shop drawings showing plans and elevations, including operational clearance.
- C. Sample: Contractor or agent shall supply sample of materials as required. Samples will include fabric samples showing color and structure finish samples showing color, texture, and gloss.

## **1.5 DEFINITIONS**

- A. Screen width is measurement from outside end of cassette housing / outside of track to outside of track.**
- B. Screen height is measurement from opening to ground. If wall or face mounted add cassette housing and hem bar height to finished height. If ceiling mounted, cassette housing is included in the finished height.**
- C. U channels can be added if mounting in an uneven opening.**

## **1.6 SCOPE / DESCRIPTION:**

- A. Furnish and install a Mastershade® SC4500 or SC2500 screen(s) as manufactured by Sunair Awnings & Solar screens, P.O Box 1068 Jessup, MD 20794 in accordance with the specifications below.**

## **1.7 QUALITY ASSURANCE**

- A. Product shall be manufactured to meet or exceed the quality and standards of the Pergola® awnings as per description above. Manufacturer Qualifications: Obtain motorized exterior window Zipper shades through one source from a single manufacturer with experience in manufacturing products comparable to those specified in this section.**
- 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.**

## **1.8 DELIVERY STORAGE AND HANDLING**

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

## 1.9 WARRANTY

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

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis of design compliant with requirements provided by: Sunair Awnings and Solar Screens (Awnings Unlimited Inc) P.O Box 1068, 7785 Rt. 175, Jessup, MD 20794. 800-548-0408.  
[www.sunairawnings.com](http://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. Mastershade® SC4500 & SC2500 are custom made retractable cassette (Head Box) and open roller zipper screens. The fabric operates with a fabric zipper retention system within the tracks. The control mechanism is either manual gear operated from the outside or back of box. If motorized a 110 volt Somfy tubular 525 Nm Altus RTS "MAESTRIA" Obstacle detection motor which is operated with a remote control.
- D. SC4500 Cassette units with head box and zipper tracks. SC2500 open roll system with zipper tracks.

### 2.2 STRUCTURAL & MATERIALS

- A. Product Description: Frame member's galvanized steel roller Tube with aluminum powder coated cassette, hem bar and Tracks from manufacturer's standard or custom available color range.
- B. Unit Size: Field measure each unit to fit. Dimensions: Overall width, overall height, mounting height at wall, track height.
- C. Zipper Insert PVC with "winglets" for expansion and contraction of the fabric as temperature changes.
- D. Two piece Zipper track for easy mounting into wall or side wall for a clean installation look.
- E. Heavy duty metal "idler" bracket at pin end in order to easily remove the roller tube for easy installation and servicing.

- F. Roller Tube: Fabricated from galvanized steel, 85 mm (3.34 inches) in diameter for minimal deflection of the shade roller. Fabric connected to the roller tube with spline groove and pocket.**
- G. Fabric: PVC Ferrari 602, Ferrari 502, Ferrari 6002 Stam, Soltis 86, Recscreen 5000P or 6000P, from manufacturers standard range of types and colors.**
- I. Motors and controls shall be manufactured by Somfy Inc. in Cranberry NJ, from their standard Altus “Maestria” radio compatible 525 Nm range.**

### **2.3 ACCESSORIES**

- A. Vinyl “film” windows added to the screen fabric.**
- B. Wind sensor Somfy Eolis 24 volt**
- C. Sun sensor RTS**
- D. Endeis rain sensor**
- E. U channels**

## **PART 3 –EXECUTION**

### **3.1 EXAMINATION**

- A. Examine existing conditions to make sure the model design and product parameters comply with the design requirements.**

### **3.2 INSTALLATION**

- A. Install shades in accordance with the manufacturer’s 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 shade to structure. Anchor cassette and tracks to provide adequate support for intended use of the shade, design loads, and local codes.**

- D. Buildings are to be field measured by the contractor prior to shades being manufactured and installed.

### 3.3 DEMONSTRATION

- A. Demonstrate operational method and instruct owner's personnel in proper operation and maintenance of the awning system per manufacturers most updated maintenance and service documents.

**END OF SECTION**

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