



## Part 1 General

### 1.01 Section Includes

- A. Manual dual rollershade system for complete light control/ blackout and hardware.

### 1.02 System Description

- A. Clutch operated rollershades with bead chain control.
- B. Shade Type T is translucent. Shade Type BO is blackout.

### 1.03 Submittals

- A. Product data: Submit five copies of manufacturers technical data and installations instructions.
- B. Samples: Submit three samples of each shade cloth with complete color swatch.
- C. Shop Drawings: Submit drawings of mechanical products with appropriate dimensions.

### 1.04 Quality Assurance

- A. The manufacturer of these products shall show a minimum of 20 years documented experience.
- B. The installer shall show a minimum of 3 years experience with these systems.

## Part 2 Products

### 2.01 Manufacturers

- A. SOS™ “Sun Or Shade”, a division of Inside Outfitters, Inc.  
5725 Avery Rd., Dublin, Ohio 43016  
Ph: 800.742.3372, Fx: 877.880.3496, E: [info@sos-shades.com](mailto:info@sos-shades.com)

### 2.02 Materials

- A. Shade Fabrics Type T:  
Translucent fabrics with openness factors of 1-25%. The fabric color shall be selected from standard color line unless SWSPECIALS is selected. SWSPECIALS allows specifier to create custom color (minimum quantities required). The fabric is to be color fast and shall not be affected by moisture or heat. (Finishes: See Specification Section “TRANSLUCENT FABRICS” for composition and other details)

#### 1. Phifer:

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|-------------------|-------------------|------------------------|
| SW1000(25% o.f.), | SW2000(5% o.f.),  | SW2100(10% o.f.),      |
| SW2360(5% o.f.),  | SW2390(10% o.f.), | SW2410(3% o.f.),       |
| SW3000(15% o.f.), | SW4000(5% o.f.),  | SW4100(10% o.f.),      |
| SW4400(3% o.f.),  | SW4800(1% o.f.),  | SWSPECIALS(1-25% o.f.) |





2. 3G Mermet:  
ES-5(5% o.f.), ES-10(10% o.f.), MS-3(3% o.f.),  
MS-5(5% o.f.), TS-3(3% o.f.), TS-5(5% o.f.),  
TS-10(10% o.f.)
3. Hexcel:  
XL-5(5% o.f.), XL2-3(3% o.f.), XL2-5(5% o.f.),  
XL2-10(10% o.f.), XL+12/2(12% o.f. Top, 2% o.f. bottom),  
Trans 1277(1% o.f.)
4. Verosol: (PVC free)  
TRANS816(25% o.f.), SEMI812(5% o.f.), NON875(<.5% o.f.)

**B. Shade Fabrics Type BO:**

The fabric shall have a high degree of opacity for effective control of light. The fabric must have sufficient rigidity to insure straight hanging, resist curl, twist, bowing and distortion. It must be dimensionally stable and will not shrink or stretch. The color shall be selected from standard colors. All seams are to be heat-sealed. Sewing is not accepted. (Finishes: See Specification Section “OPAQUE FABRICS”)

1. Vinyl: Opaque fabric shall be fiberglass base, double coated with vinyl plastic to a minimum total weight of 10 ounces per square yard to a maximum weight of 14 oz. per square yard depending on fabric specified.
2. Flocke: Opaque fabric shall be 42% Fiberglass, 51% Acrylic, 7% Titanium Oxide + Cotton Flocked Backing. PVC free.
3. BO 1260: Opaque fabric shall 100% fiberglass with Acrylic backing. PVC free.
4. BO 837: Opaque fabric shall be 100% Trevira with metallized backing. PVC free.



**C. Tube:** The fabric shades shall be mounted on to a Keyed 1 ¼” or 1 ½” diameter aluminum tube depending on the width of the shade and fabric chosen for the shade. Keyed tube provides greater dimensional stability supporting the shade and ensures that the clutch is securely locked into place

**D. Bead Chain Clutch:** The nylon clutch incorporates “*Velvetrol*” control ensuring the rate of fall from free running zero friction factor to a factor of 100% utilizing 20% lower input torque than standard series. The shade may be adjusted to stop and hold at any position. The bead chain shall contain automatic stops to prevent the shade from over winding or unrolling off the tube. The bead chain may be either PVC or metal ball type. (Finishes: See specification section “ACCESSORIES”, Bead chain and Clutch for color selection.)

**E. Spring Loaded Pin End:** Each shade shall have a “spring loaded” end cap; no static end caps shall be accepted. Pin end allows for ¼” tolerance.

**F. Shade Mounting Brackets:** Shall be manufactured from .060” galvanized steel, reversible for right and left hand mounting. The brackets may be field mounted inside, outside or ceiling mounted. Fascia brackets shall be painted to match Fascia color.



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- G. Bracket Covers for “Fascia or No Fascia”(Optional): Universal bracket covers provide a finished aesthetic quality to exposed brackets. Standard colors: White, Black. Custom color available upon request (minimum quantities required).
- H. Hembar: Shall be a continuous aluminum bar 1” X 3/16” with sufficient weight to allow the shade to close without buckling or sagging.
1. (Option): Exposed Hembar. This hembar is mounted on the exterior of the bottom hem of shade. It is constructed of extruded aluminum and is weighted to properly raise and lower the shade without buckling or sagging. (Finishes: See specification section “ACCESSORIES”, *Exposed Hembar* for color selection and detail.)
- I. Side (Sill) Channels: Extruded aluminum channel through which each side of a shade travels to create blackout application. The rails shall contain soft brushes on a minimum of one side depending on application to enclose the fabric shade in a light tight condition. The side and bottom channels should be installed in a light bead of caulking to prevent light penetrations. (Finishes: See Specification Section “ACCESSORIES”, *Side Channel* for color selection and detail.)
1. Two-piece Side (Sill) Channel, .062” extruded aluminum 2” deep by 1” wide. No fasteners shall be exposed. They are designed for either inside or outside mounting
  2. One Piece Side (Sill) Channel, .060 extruded aluminum 2” deep by ¾” wide. This channel is ideal for inside mounting.
- J. Fascia System: All fascia systems shall be prime painted with baked enamel utilizing the powder paint method to ensure an environmental friendly application. Wet paint method shall not be accepted. (Finishes: See Specification Section “ACCESSORIES”, *Fascia Systems* for color selection and detail.)
1. L-Angle Premier Fascia: Straight fascia panels shall be made from extruded aluminum. Fascia face shall be 3 3/8” to accommodate shade roll. Fascia shall clip to brackets and snap easily into place. It shall be easily removed for any necessary maintenance. Fascia shall **not** be notched.
  2. C-Angle Premier Fascia: Curved fascia panels shall be made from extruded aluminum. Fascia face shall be 3 3/8” to accommodate shade roll. Fascia shall clip to brackets and snap easily into place. It shall be easily removed for any necessary maintenance. Fascia shall **not** be notched.
- K. Pocket System (Option): This system allows the shade to be recessed into the ceiling. (Finishes: See Specification Section “ACCESSORIES”, *Pocket Systems* for color selection, size and details.)
1. Headbox/Closure Flap: An extruded aluminum box that is sized to completely conceal rollershade when the shade is in the open position. Shade shall recede into headbox without rubbing. The “Closure Flap” is a removable closure to cover the roll.
  2. Headbox/Closure Flap—Ceiling Grid Support: An extruded aluminum box that is sized to completely conceal rollershade when the shade is in the open position. Shade shall recede into headbox without rubbing. The “Closure Flap” is a removable closure to cover the roll. Headbox provides 1 1/8” aluminum grid strip to support ceiling tile.
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3. Hook/Closure Flap Assembly: Extruded aluminum Hook is fastened to drywall pocket. Closure Flap hangs from hook to provide pocket closure.
4. Hook/Closure Flap—Ceiling Grid Support: Extruded aluminum Hook attaches to drywall pocket with 1 1/8" aluminum grid strip to support ceiling tile, Closure Flap hangs from hook to provide pocket closure.

### Part 3 Execution

#### 3.01 Installation:

- A. Install the shades where shown on the contract drawings in accordance with printed instructions provided by the manufacturer, SOS Shade Systems or a modification as approved by the manufacturer.
- B. The shade fabric shall hang flat without buckling or distortion. The edge when trimmed, shall hang straight without curling or raveling. Unguided roller fabrics shall roll without shifting side ways more than 1/4" in either direction. Tolerance for brackets shall not exceed 3/4" on either side.
- C. Verify that all surfaces and openings are ready to receive the work. Do not commence the work until the installer verifies field measurements.
- D. Beginning the installation indicates the installer accepts the substrate.

#### 3.02 Adjusting

- A. The system shall be adjusted and balanced by the installer for smooth operation. All completed shades will be operated in the presence of the owner or his representative.
- B. Instruct the owners or his representative as to the proper operating procedures and maintenance of the system.

