

BASE SPECIFICATION GUIDE SERENITY CONTRACT SHADES CLUTCH ROLLER SHADES

PART I- GENERAL

1.01 REQUIREMENTS

- A. Provide and install **Serenity Contract Shades** manufactured by **CACO, Inc.** in agreement with all specifications, drawings and contract correspondence.
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1.02 SUBMITTALS

- A. Provide manufacture's product data and installation information per each shade type specified.
 - B. Shop drawings: Indicate dimensions of opening receiving shades; provide details on mounting location, sill conditions and clearances between adjacent shades.
 - C. Indicate fabric selection.
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1.03 PRODUCT DELIVERY, STORAGE AND SITE CONDITIONS

- A. Deliver to job site in manufactures original packaging.
 - B. Packaging shall include labels with designation if required.
 - C. Shades shall be stored horizontally and in a way to prevent damages from accidents and water.
 - D. Area of installation shall be enclosed and dry. All work operations above area of installation on ceilings, must be completed before installing.
 - E. Installer shall have available, electrical power of 110 volts within 500 feet of the installation area.
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PART II - PRODUCTS

A. CACO, Inc. custom **Serenity Contract Roller Shades.**

- B. Materials: **Serenity Contract Roller Shades** are a highly functional system that aids in light control, energy conservation and room darkening. This system smoothly raises and lowers shading material to any desired height, while maintaining its position without slippage. Serenity's manual system utilizes an efficient, easy to control, ball chain operated roller shade; integrated with an adjustment free, multi-banded, bidirectional steel spring clutch mechanism. Serenity offers a full assortment of highly attractive light filtering and room darkening flame retardant fabrics.
 1. Tubes:
 - a. Tubes shall be made of roll formed aluminum and secured with a lock seam so as to assure minimal deflection.
 - b. Tubes are available in 1 1/4", 1 1/2", and 2" o.d. diameters. Recommended tube diameters are applied to specified widths, lengths and weight of fabrics. Fabrics shall be firmly attached to the roller length by a double sided adhesive strip. Minimally one turn of fabric will be positioned on the roller prior to starting working fabric section. This helps to prevent fabric from coming unattached from roller while also providing a starting seam for the fabric.
 2. Clutch: Contract manual system features a bead chain operated Rollease® Skyline clutch mechanism composed of glass fiber reinforced polyester thermo-polymer (PBT). Manual clutch system incorporates an adjustment free, multi-banded bi-directional steel wrap spring. Available in multiple sizes to accommodate various fabric weight and tube sizes.
 - a. Optional Somfy U.L. approved motorized shade system is available for raising and lowering. Insulated engineered motor shall be mounted inside shade tube and operates on 110 volts.
 - b. Spring lift- assist is available, which provides easier operation on heavier shades.
 3. **End Plugs:** The end plug is a 2-piece unit consisting of an outside sleeve and a center spring-loaded shaft section that is constructed of glass fiber reinforced polyester thermo-polymer (PBT).
 4. **Control Loops:** Control loop shall be connected continuous length of # 10 stainless steel bead chain.
 - a. Optional # 10 plastic bead chain with polyester cord is available.
 - b. Optional #10 powder-coated painted chain.
 5. **Mounting Brackets:** Reversible brackets shall be constructed of .060-inch thick galvanized cold rolled steel. Brackets may be mounted inside, outside or to the ceiling. Clutch mechanism is installed either to the right or left hand side with clutch bracket and end plug is installed to either right or left hand side with locking end plug bracket.
 6. **Fascia (optional):** Fascia shall be made of extruded aluminum with a thickness of .062-inches. Fascia panels are available in either 3" or 4" heights and covered with either a baked on coating or anodized.
 7. **Fabrics:** Fabric selections are available in a choice of colors in woven vinyl coated fiberglass or vinyl coated polyester to various patterns with either light filtering openness factors or room darkening capabilities. Individual shades shall be horizontally seamless in widths up to 98" (fabric style will vary from

72" to 98"). Fabrics shall be flame retardant and fade resistant to within commercial standards. Normal attachment is for fabric to roll behind roller, fabric may optionally be ordered with a reverse roll where it rolls over the top of the roller. This allows duplex shades to maintain a more continuous flowing color appearance.

- 8. Hem Bar:** Hem bar shall be made of extruded aluminum 1" high by 3/16" thick x width of fabric. Hem bar is inserted into a thermally sealed pocket.
 - a. Optional decorative extruded aluminum external hem bar may be used in lieu of sealed bar.
- 9. Side and Sill Channels:** Optional side and sill channels available for total light control with blackout shade cloth. A one inch deduction to the fabric width on each side from the end of the tube will be made to accommodate proper alignment within the side channels. Channels shall be made of extruded aluminum 2.165" wide by 0.756" depth by specified height or width of shade. Finish will be powder coated paint color of white, bronze or black. Channel to be of two piece construction for easy installation. Each channel utilizes a felt insert extending the full length to protect fabric.
- 10. Packaging:** Corrugated 44 ECT cardboard packaging consists of 100% recycled material that is also 100% recyclable (a letter of compliance is on file for LEED qualifying projects).
- 11. Warranty: CACO, Inc.** will extend a limited lifetime warranty against defects and workmanship on manual mechanisms, but not to exceed 25 years, 5-years on motorized components, a limited lifetime-year warranty on Alkenz fabrics, but not to exceed 25 years, and a limited 10-year warranty on Phifer Sheerweave fabrics. Every shade that is properly installed is guaranteed to be free from defective components for the warranty duration, as long as the shade remains in the same window as originally installed. This obligation is limited to repair and replacement of components found defective. This guarantee does not include any conditions resulting from damages caused by accidents, alterations, misuse, abuse, or failure to follow instructions with respect to cleaning or maintenance.

2.02 FABRICATION

- A. Prior to fabrication, verify actual opening sizes by measuring on site. Calculate blind dimensions to fit within specified tolerances.
- B. Installer shall be responsible for site inspection, approval of mounting surfaces.

PART III - EXECUTION

3.01 INSPECTION

- A. Work area in which shades will be installed should be free of conditions that interfere with shade installations and operations.

3.02 INSTALLATION

- A. Install shades in accordance with manufactures installation procedures except as otherwise specified.
- B. Install shades with adequate clearance to permit smooth operation of shades and any sash operations.

3.03 CLEANING

- A. Clean fabrics by periodically vacuuming, dusting with a soft brush or wiping with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent based cleaners.
- B. To ensure proper drying, provide adequate ventilation. Do not roll shades back up until dry.

3.04 CONTRACT SHADE SCHEDULE

- A. Provide shade at the following locations: Listing shade locations, different options, fabrics, colors and accessories.



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