

SECTION 12 24 13

ROLLER WINDOW SHADES

PART 1 GENERAL - No Requirements

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: Indoor Sky LLC, Daylitter Shade, 504 Highland Terrace, Williamsport, PA 17701 Telephone: 570 651 5105, <http://www.indoor-sky.com>. Other acceptable manufactures include Draper Inc., Mecho Shade Systems, Springs Window Fashions, and Rollease Acmeda.
- B. Substitutions: Under provisions of Section 01 33 00.
 - 1. Any substitutions provided by the contractor shall be reviewed at the contractor's expense by the architect/interior.
 - 2. All proposed substitutions (clearly delineated as such) must be submitted in writing for approval by the design professional a minimum of 10 working days prior to the bid date and must be made available to all bidders. Proposed substitutes must be accompanied by a review of the specification noting compliance on a line-by-line basis.
 - 3. By using pre-approved substitutions, the contractor accepts responsibility and associated costs for all required modifications. The contractor shall provide complete engineered shop drawings with deviations for the original design highlighted in an alternate color to the engineer for review and approval prior to rough-in.

2.02 ROLLER SHADES

- A. Mounting:
 - 1. Provide universal mounting brackets for window frame, wall or jamb mounting to be attached typically 18" to 36" below top of window.
 - 2. Provide symmetrical light gaps of 0.5 inch on each side of shade.
 - 3. Allow side-to-side adjustment up to 0.25 inch on each side while shade is mounted to bracket.
 - 4. One-piece mounting bracket providing level and projection adjustments from mounting bracket for both main shade and integral lightshelf element.
 - 5. Spring loaded pin end technology for side-to-side adjustment.
- B. Shade Tube:
 - 1. Fabric connected to tube using double-sided adhesive strip with minimum of one turn of fabric on roller before working section of fabric starts.
- C. Operating Clutch:
 - 1. Velvetrol internal spring arrangement enables the application of a balanced force on both sides of the shade simultaneously allowing for even distribution of forces. Available in 3 sizes to handle shade weights of up to 15lbs.
 - 2. Clutch driven by manual bead chain to operate main shade only attached to jamb with integral child safety device.
 - 3. Shades on upper clear story windows shall be powered by battery or electrical connection with remote control.
- D. Fabric:
 - 1. Shall be flame resistant in accordance with NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.
 - 2. Where applicable, seal shade fabric or treat PVC-coated fabric edges to prevent fraying.

3. Fabric selection: Alkenz Sun Shadow solar screen fabric collection with up to 10% transparency factor.
4. Custom printing: Shade fabric may be custom printed (Consult manufacturer).

E. Hem Bar:

1. Color coordinated with fabric selection.
2. Internal aluminum spine to capture and secure fabric.
3. Extruded aluminum external hem bar with integral end caps.

2.03 LIGHTSHELVES

A. S Series:

1. Single lightshelf element, sunshade fabric on aluminum frame mounted to universal one piece roller shade bracket (detailed in 1.2A above).
2. Lightshelf to have open position (parallel to ceiling) and closed position.
3. (parallel to window) for maximum daylight management.
4. Removable stops allow for lowering of lightshelf for deep cleaning purposes.

B. L Series:

1. Multiple parallel lightshelf elements, sunshade fabric on aluminum frame mounted to vertical jamb frame members.
2. Lightshelf element to be coupled with jalousie style operating mechanism and to operate in harmony through jamb mounted lever.

C. Fabric:

1. Lightshelf fabric selected to match main roller shade or contrasting according to architectural selection.

2.04 ACCESSORIES

- A. Wall Mounted child safety device for bead chain loop.

PART 3 EXECUTION - No Requirements

END OF SECTION 12 24 13