

SPECIFICATION
Section 12495



TRT 5050 AC MOTORIZED ROLLER SHADE

PART 1-GENERAL

1.1 DESCRIPTION

- A. Furnish and install roller shades and motorized shade operators as manufactured by The Right Track Inc., 2400 Crofton Blvd., Crofton, MD 21114 in accordance with specifications, drawings and contract documents.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's descriptive literature shall be submitted, indicating materials, finishes and installation instructions for each type of window treatment specified.
- B. Shop Drawings: Wiring diagrams for any electrical components and installation detail drawings shall be supplied as requested.
- C. Product Sample: Submit working hand sample or mock up as required.

1.3 QUALITY ASSURANCE

- A. Products shall be manufactured to meet or exceed all quality standards as stipulated in the Quality Control Manual, issued by The Right Track.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Product shall be delivered to the project site in manufacturer's original packaging.
- B. Product shall be handled and stored to prevent damage to materials, finishes and operating mechanisms.

1.5 WARRANTY

- A. Manufacturer shall provide that from the date of installation all system components are free from defects for five years and shade fabric is free from defects for one year. The Right Track does not warrant damage due to accidents, misuse, abuse, improper installation, improper wiring, alterations or improper cleaning. Specific product warranty terms are available from The Right Track.

PART 2- PRODUCT

2.1 ROLLER SHADES

- A. Acceptable Product: Window Treatment system TRT 5050 AC MOTORIZED ROLLER SHADE as manufactured by The Right Track, Inc., 2400 Crofton Blvd., Crofton, MD 21114.
- B. Shade Band Material: Roller shade fabric shall be flame retardant, fade and stain resistant, anti-static, anti-microbial and pass NFPA 701-1999 FR and ASTM-G21 and G22. Bottom hem shall be ultra-sonically welded with internal hembar. Shades with railroaded fabric will have heat-welded seams. Fabric will be selected by architect from The Right Track fabric collection.
 - 1. Screen fabrics ranging from 1% to 25% openness
 - 2. Blackout fabrics
 - 3. GREENGUARD certified and PVC-free fabrics
- C. Tubing: To range from 1 ½” – 3” inside diameter to be compatible with selected motor and shade size. Tube to consist of 6063 T-5 Aluminum with appropriate wall thickness to prevent excessive deflection along its length.
- D. Direction of Roll: Regular roll, from back of roller. Reverse roll may be specified.
- E. Mounting Brackets: Brackets to be made from .072” galvanized steel.
- F. Pocket-Style Headbox (optional): U-Shaped, extruded aluminum; with a bottom cover consisting of slot opening of minimum dimension to allow lowering and raising of shade and a removable or openable, continuous metal access panel concealing shade roller, brackets, and operators within.
- G. Bottom Bar: To be 6063 T5 extruded aluminum internal-type bottom bar.
- H. Shade Operation: Motorized operator.

2.2 ROLLER SHADE FABRICATON

- A. Product Description: Roller shade consisting of a roller, brackets, roller shade material attached to roller with transfer tape with roll-up to be not less than 10” to prevent material from detaching from tube while providing for easy adjustment of shade material, internal hem bar, and motor that lifts and lowers shade.
- B. Lifting Mechanism: 110v AC motor with permanently lubricated moving parts to be maintenance free.
- C. Unit Sizes: Obtain units fabricated in sizes based on field measurements to fill window and other openings as follows:
 - 1. Shade Units Installed Inside Jambs: Edge of brackets shall not be more than ¼” from face of jamb. Length equal to head and sill dimension of opening in which each shade is installed.
 - 2. Shade Units Installed Outside Jambs: Width and length as indicated, with terminations between shades of end-to-end installations at centerlines of mullion or other defined vertical separations between openings.
- D. Installation Brackets: Designed for easy removal and reinstallation of shade, for supporting fascia, roller and operating hardware position and shade mounting method indicated.

2.3 MOTORIZED ROLLER SHADE OPERATORS

- A. Electric Motors: UL-approved, totally enclosed, insulated motor, with thermal-overload protection, brake, permanently lubricated bearings, and limit switches; sized by The Right Track to start and operate size and weight of shade without exceeding nameplate ratings.
 - 1. Motor Characteristics: Single phase, 110V, 60 Hz, not to exceed 2.3 amps.
 - 2. Motor Mounting: Within The Right Track's standard roller enclosure.
- B. Position of Motor and Electrical Connection: Right side of roller, as determined by hand of user facing shade from inside, unless otherwise indicated on Drawings.
- C. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop shade at fully raised and fully lowered positions.

PART 3 – EXECUTION

3.1 ROLLER SHADE INSTALLATION

- A. Install roller shades level, plumb, and aligned with adjacent units according to manufacturers written instructions.

3.2 ADJUSTING

- A. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range

3.3 DEMONSTRATION

- A. Demonstrate operation method and instruct Owner's personnel in the proper operation and maintenance of the window shade systems.

END OF SECTION