
TimberBlindMetroShade

Dual Manual Roller Shades

PART 1 – GENERAL

1.1 SCOPE

- A. SUPPLIER: Furnish and install Dual Manual Roller Shades
- B. RELATED WORK SPECIFIED ELSEWHERE:
 - 1) Section 06100: Rough Carpentry
 - 2) Section 08520: Aluminum Windows

1.2 SUBMITTALS

- A. PRODUCT DATA: Manufacturer's descriptive literature shall be submitted indicating materials, finishes, construction & installation instructions, and verifying that product meets requirements specified. Manufacturer's recommendations for maintenance and cleaning shall be included.
- B. DRAWINGS AND DIAGRAMS: Wiring diagrams of any motorized components or units, working and assembly drawings shall be supplied as requested.
- C. SAMPLE: Responsible contracting officer or agent shall supply one sample shade of each type specified in this contract for approval. Supplied units shall be furnished complete with all required components, mounting hardware, instructions, and warranty.

1.3 QUALITY ASSURANCE

- A. SUPPLIER: Manufacturer, subsidiary, or licensed agent shall be approved to supply the products specified, and to honor any claims against product presented in accordance with warranty.
- B. INSTALLER: Installer or agent shall be qualified to install specified products by prior experience, demonstrated performance, and acceptance of requirements of manufacturer, subsidiary, or licensed agent. Installer shall be responsible for an acceptable installation.
- C. UNIFORMITY: Provide Dual Manual Roller Shades of only one manufacturer for entire project.

1.4 DELIVERY STORAGE AND HANDLING

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

1.5 PROJECT/SITE CONDITIONS

- A. Prior to shade installation, building shall be enclosed; windows, frames, and sills shall be installed and glazed.
- B. Wet work shall be complete and dry.
- C. Ceilings, window pockets, electrical, and mechanical work above window covering shall be complete.

1.6 WARRANTY

- A. 1 year Limited Warranty
- B. TimberBlindMetroShade warrants the product against original defects in materials or workmanship for 1 year from the date of purchase/install. TimberBlindMetroShade does not warrant damage due to accidents, misuse, abuse, improper installation, alteration, or improper cleaning. Detailed specifics of the warranty are available upon request.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. TimberBlindMetroShade, 1400 Lavon Dr. McKinney, Texas 75069; or architect approved equivalent.
- B. Product substitutions must be approved by architect minimum of 30 days prior to close of bid.

2.2 DUAL MANUAL ROLLER SHADES

- A. **PRODUCT:** TimberBlindMetroShade Dual Manual Roller Shades
- B. **MATERIALS:**
 - a. **FABRICS:** Inherently anti-static, flame retardant, fade and stain resistant, light filtering, room darkening, & blackout fabrics providing 0% - 15% openness factors. Fabric weights to range between 6.00 oz/sq.yd. – 20.70 oz/sq.yd containing fiberglass, PVC, polyester, acrylic, vinyl laminates, cotton, & vinyl coatings. Finish selected by architect from manufacturer's available contract colors.
 - b. **CONTROL SYSTEM:** Adjustment-free continuous qualified #10 stainless steel ball chain (110-lb test) and pulley clutch operating system allows precise control and insures a uniform look. Clutch will develop no more than ½ pound drag for ease of lifting. Glass reinforced polyester thermopolymer (PBT) plastic components conform to military specification MIL M-24519 and designed for smooth, trouble-free operation.
 - c. **ROLLER:** Circular-shaped extruded aluminum tubes with thicker wall & ribs provide additional strength while locking into place the clutch and end plug. 2 ½” outside diameter extruded tube to have a 0.09 wall thickness. 2” outside diameter extruded tube to have a 0.062 wall thickness. 1 ½” outside diameter extruded tube to have a 0.060 wall thickness and 1 ¼” outside diameter extruded tube to have .065 wall thickness providing strength & durability.
 - d. **END PLUG:** Shall consist of an outside sleeve rotating freely on a center shaft, providing the bearing surfaces on which the roller rides. Outside sleeve and center shaft to be made of heat stabilized fiber reinforced plastic to ensure smooth, wear resistant operation.
 - e. **HEMBAR:** Extruded aluminum flat bar, heat sealed and completely enclosed into a 1 ½” pocket. Thicker fabrics may require external hembar.
 - f. **MOUNTING HARDWARE:** Manufacturer's standard .07” nickel-plated, C1008/1010 cold rolled steel. End plug bracket shall have a lock down retainer device. Brackets are reversible for right or left-hand installation.
 - g. **ADDITIONAL OPTIONS AVAILABLE:** 5”Fascia, Side Channels, Sill Channels, Motorization, Fabric Wrapped Hembar, Extruded Pockets, Reverse Roll.

2.3 FABRICATION

- A. Blind measurements shall be accurate to within $\pm 1/8$ ” according to specifications established by TimberBlindMetroShade engineering standards.

PART 3 – EXECUTION

3.1 INSPECTION

- A. Installer shall be responsible for inspection of jobsite, approval of mounting surfaces, verification of field measurements and installation conditions. Installation shall commence when satisfactory conditions are met.

3.2 INSTALLATION

- A. Install blinds in accordance with manufacturer's instructions including recommended support brackets and fasteners.
- B. Install blinds with adequate clearance to permit smooth operation of the blinds. Demonstrate blinds to be in smooth, uniform, working order.

3.3 MAINTENANCE AND CLEANING

- A. Clean blinds with mild soap and water only. Do not use cleaning methods involving heat, bleach, abrasives or solvents. Do not use window cloths with paper content. Use of these methods will void the warranty.