

VERTICAL BLIND SPECIFICATIONS

SHOP COLLECTION – M-2500 / M-2700 HEADRAIL SYSTEM

SECTION 12492

Part 1 – General

1.1 Scope

- A. Furnish and install Diamond Drapery blinds provided by Diamond Drapery Company Inc., Orange County, California.
- B. Related work specified elsewhere

1.2 Quality Assurance

- A. Installer qualifications:
 - 1. The installer shall be a firm approved by Diamond Drapery Company, Inc.
 - 2. The installer shall be qualified to install the product specified, as demonstrated by prior experience.
- B. Job mock-up: A sample blind may be installed on the jobsite prior to the beginning of the project.

1.3 Submittals

- A. Product information: Submit Diamond Drapery Company product literature and installation instructions.
- B. Shop drawings: Indicate field-measured dimensions of opening which are to receive blinds, details on mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.
- C. Color samples: Submit a sample of each type and color of material specified.

1.4 Delivery, Storage, and Handling

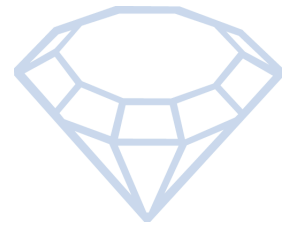
- A. Packing and shipping:
 - 1. Materials shall be delivered to the Project in Diamond Drapery's original unopened packaging with labels intact.
- B. Storage:
 - 1. Materials shall be stored in a clean area, which is free of corrosive fumes, dust, and away from construction activities.
 - 2. Materials shall be stacked horizontally using plastic or wood shims such that drainage and ventilation are provided for, and such that water cannot accumulate in, about or upon containers.
 - 3. Stacks shall be covered with tarpaulins or plastic such that ventilation is provided for, and such that contaminants are prevented from contacting surfaces.

1.5 Project/Site Conditions (Before Product Installation Begins)

- A. Roof must be tight, windows and frames installed and glazed, and interior doors hung.
- B. Wet work including concrete, masonry, plaster, stucco, terrazzo, sheetrock, spackling, and taping (including sanding) shall be complete and dry.
- C. Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.
- D. Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.
- E. Flooring materials such as carpet, tile, etc. must be completed.

1.6 Warranty

- A. Lifetime limited warranty: Diamond Drapery Company, Inc. shall repair or replace for the seven year expected life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.



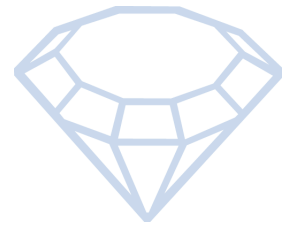
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Part 2 – Products

2.1 Manufacturer and Product Description

- A. Acceptable product: Diamond Drapery's M-2500/M-2700 Vertical Blind manufactured by Diamond Drapery Company, Inc.
 - 1. M-2500 Aluminum Headrail Strap System (Medium Wall Headrail)
 - a. Cord & Chain Control
 - 2. M-2700 Aluminum Headrail Strap System (Medium Wall Headrail)
 - a. Safety Track Wand Control feature
- B. Materials:
 - 1. Colors: Selected from Diamond Drapery Color Selector
 - 2. Track
 - a. Aluminum 6063 T6 alloy and will measure 1 3/4" in width and 1 1/4" in height. Available in painted white or ivory and clear anodized.
 - i. M-2500/M-2700 medium wall track: average wall thickness of the track is $\pm 0.035/0.038$ " with ribbed face.
 - 3. Carrier
 - a. Carrier shall have polyacetal plastic body (7/16") and will traverse on rolling self-lubricating plastic wheels aligned in the channel runway. Each carrier will contain a self-aligning mechanism designed to prevent damage to the vanes or the carriers when over-rotated. Stems are molded in clear polycarbonate, non-yellowing, high impact-resistant nylon.
 - i. M-3000 Carrier: Clear rectangular stem, replaceable without disassembling of or drilling through the headrail.
 - ii. Discovery Carrier: Clear round stem with double worm gear to keep vanes constantly aligned and providing tight closure.
 - 4. Spacing of Louvers
 - a. Carriers are attached to each other with a nylon strap. Stems are centered making the headrail reversible. Available in 3 1/8" or 1 3/4" spacing.
 - 5. Rotation
 - a. The louver rotation will be provided by pulling a #10 nickel plated operating bead chain. Stem rotates 190 degrees. An aluminum 4-prong tilt rod passes through each carrier and imparts rotation to each carrier hook in unison via worm gears. Smooth rotation, with a 4:1 ratio, is provided by a system of planetary gears in a molded plastic control unit. Main planetary gear is metal. The control unit allows the first vane to hang only 1/2" from the window jam, offering minimal light leakage.
 - i. Optional Safety Track: Replaces cord and chain controls. Traversing and rotation is accomplished through a fiberglass wand attached to a lead control unit. Control includes a clutch to eliminate damage by over rotating the wand. Available one-way draw only.
 - ii. Optional Motorized Rotation: Battery powered motorized rotation is available as an option. Activated with a wireless remote control. Maximum size available: 156" in width and 84" in height.
 - 6. Traversing
 - a. Will be by means of a continuous polyester and nylon traverse cord attached to the master carrier and traversing over plastic pulley wheels supported in plastic end caps. Blinds may traverse right to left, left to right, or may be of a split draw, centered, or otherwise specified. The cord will be held down by a weighted cord pulley.
 - 7. Vanes
 - a. PVC to be selected from line of standard Diamond Drapery PVC patterns and color
 - i. Rigid vane material will be suspended from carrier hooks by means of a hole punched in the top of each vane. A bottom chain to be provided, where appropriate.



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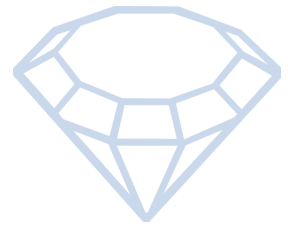
Part 2 – Products (continued)

- b. Fabric to be selected from line of standard Diamond Drapery fabrics consisting of a polyester or combination polyester/fiberglass.
 - i. Vanes will be provided with sewn hems, top and bottom, and will contain spline to be hung from carrier hooks. These vanes will have bottom weights (chain is optional).
 - ii. Vanes will be inserted into plastic channel panel backing (optional). Rigid vane material will be suspended from carrier hooks by means of a hole punched in the top of each vane. A bottom chain to be provided, where appropriate.
 - iii. Fabric shall be cut square with sonic blade cutting machines.
 - iv. Fabric shall hang straight and flat without buckling or distortion. Fabric to be adequately heat-set cross links of fabric to prevent unraveling.
 - v. Fabric shall be flame retardant and fade resistant to commercially accepted standards.
 - c. Solar Shading Material
 - i. Vane top clips are of nylon sonically welded into folded fabric.
 - ii. Bottom hems have pleated steel weights sonically welded and sealed into folded fabric on 3 sides.
 - iii. Fabric to be selected from line of standard Diamond Drapery fabrics consisting of a P.V.C. coated fiberglass, polyester or combination polyester/fiberglass.
 - iv. Fabric shall be cut square with sonic blade cutting machines.
 - v. Fabric shall hang straight and flat without buckling or distortion. Fabric to be adequately heat-set cross links of fabric to prevent unraveling.
 - vi. Fabric shall be available in a range of openness factors for various solar optical properties. Variations in fiber density and striations inherent in woven fabric shall be within commercial accepted standards.
 - vii. Fabric shall be flame retardant and fade resistant to commercially accepted standards.
 - 8. Valances
 - a. Optional valances and returns are available in clear front-edged grooved vinyl.
 - 9. Support Brackets
 - a. Additional support brackets will be furnished for blinds over 42" in width. Maximum spacing for these brackets are 24".
 - 10. Extension Brackets: Optional
 - 11. General
 - a. The vertical blind shall be free of sharp edges, burrs, or other defects, which might be harmful.
 - 12. Size Limitations:
 - a. Maximum Width: 240"
 - b. Maximum Height: 156"
 - c. Blinds over 126" in width will be made split draw
- 2.2 Fabrication
- A. Prior to fabrication, verify actual opening dimensions by on-site measurement. Calculate blind dimensions to fit within specified tolerances.
 - B. Fabricate blinds to fill openings from head to sill and jamb to jamb. The minimum clearance blind-to-blind shall be 1/4". Locate blind divisions at mullions.

Part 3 – Execution

3.1 Inspection

- A. Verify that the work area in which the blinds will be installed is free of conditions that interfere with blind installations and operations. Begin blind installation only when unsatisfactory conditions have been corrected.



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Part 3 – Execution (continued)

3.2 Installation

- A. Install blinds in accordance with Diamond Drapery Company procedures except as otherwise specified herein.
- B. Install intermediate support brackets and extension brackets as needed to prevent deflection in headrail.
- C. Install blinds with adequate clearance to permit smooth operation of blinds and any sash operators. Hold blinds 1/4" clear from each side of window opening on inside mount unless other clearance is indicated.
- D. Demonstrate blinds to be in smooth, uniform working order. Stack vanes to avoid damage and accumulation of dust and dirt until such time that these conditions are eliminated.

3.3 Cleaning

- A. Clean soiled blind surfaces with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent-based cleaners. Do not wash metallic colors.
- B. To ensure proper drying, provide adequate ventilation for blinds; remove bottomrail plastic end caps, and tip headrail and bottomrail to drain water.