

**SECTION 12492
VERTICAL LOUVER BLINDS**

PART I - GENERAL

1.01 SUMMARY

- A. This Section includes vertical louver blinds.

1.02 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, details of installation, operational clearances, and relationship to adjoining Work.
 - 1. Verify dimensions by field measurements before fabrication and indicate measurements on Shop Drawings.
- C. Samples: For each exposed finish and for each color and texture required.
- D. Window Treatment Schedule: Use same room designations indicated on Drawings.
- E. Maintenance data.

1.03 QUALITY ASSURANCE

- A. Vertical Louver Blinds Fire-Test-Response Characteristics: Provide products passing flame-resistance testing according to NFPA 701.
- B. Corded Window Covering Product Standard: Provide vertical louver blinds complying with WCMA A 100.1.

PART II - PRODUCTS

2.01 VERTICAL LOUVER BLINDS, PVC VANES

- A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
- B. Products: Subject to compliance with requirements, provide one of the following:
 - 1. Springs Window Fashions Division, Inc., Graber; G-71 Supervue Vertical Blinds.
- C. Finish:
 - 1. Louver Vanes: Solid PVC Crowned, Color: #9310 Satin White
 - 2. Rail: Clear Anodized.
 - 3. Valance: None unless otherwise noted.
 - 4. Component Color: Provide exposed-to-view metal and plastic matching or coordinating with vane color, unless otherwise indicated.

D. Rail System:

1. Headrail: Shall be satin finish anodized aluminum alloy 6063-T5, measuring 1-¹⁵/₁₆" in width and 1-³/₈" in height, with a wall thickness of 0.050". Custom color matching available with minimum requirement.
2. Wheeled Carriers: Carriers shall be molded acetal with a detachable louver stem, molded in clear, non-yellowing, high impact-resistant nylon. Louver stem shall be replaceable without demounting headrail. Carriers shall traverse on self-lubricating wheels and will have stems positioned in the center, making track reversible.

E. Louver Vanes: Lead-free, UV-stabilized, integrally colored, opaque, permanently flexible, extruded PVC that will not crack or yellow; and not less than ³/₈" (9.5-mm) overlap when vanes are rotated fully closed.

1. Louvers shall be 3-¹/₂" wide non-perforated PVC louvers, unless otherwise noted.
2. Standard louvers shall have no chain unless otherwise noted.
3. Fabric louvers shall contain sewn-in bottom weight.
4. Perforated Vanes: Openness factor of [3] [6] [8] [10] [12] <Insert number> percent.

F. Rotation Control: A No. 10 nickel-plated bead chain will rotate a planetary gear system. This drives an extruded (0.300 dia.) aluminum pinion rod that rotates carrier stems. Additionally louvers to open if traverse cord is operated.

G. Traversing Control: Traversing and spacing of louvers shall be achieved with a pentagraph system made of hard-tempered 18-gauge (0.046") plated steel, providing uniform spacing. Louvers shall overlap no less than ³/₈". Traverse cord shall be no. 3 (0.094") in diameter with a minimum tensile strength of 125 pounds, and shall be equipped with a cord weight in a plastic housing.

2.02 FABRICATION

A. Product Description: Equally spaced, synchronized louver vanes and rail system with self-aligning carrier mechanisms, carriers, traverse and vane directional mechanisms and controls, and installation hardware.

B. Concealed Components: Noncorrodible or corrosion-resistant-coated materials.

1. Louver Directional and Traversing Control Mechanisms: With permanently lubricated moving parts.

C. Unit Sizes: Fabricated in sizes to fill window and other openings as follows, measured at 74°F (23°C):

1. Blind Units Installed between (Inside) Jambs:
 - a. Width: Equal to ¹/₄" (6 mm) per side or ¹/₂" (12 mm) total less than jamb-to-jamb dimension of opening in which each blind is installed.

- b. Length: Equal to ¼" (6 mm), plus or minus ⅛" (3 mm), less than head-to-sill dimension of opening in which each blind is installed.
2. Blind Units Installed Outside Jambs: Width and length as indicated, with terminations between blinds of end-to-end installations at centerlines of mullion or other defined vertical separations between openings.
3. Size Limitations: Maximum width shall be 191", maximum drop shall be 144".
4. Installation Brackets: Ceiling mount shall be spring clips made of zinc plated, heat treated spring steel. Wall mount shall be spring clip attached to 4" long angle brackets of zinc plated steel. No fewer than two fasteners per bracket, fabricated from noncorrosive metal.
5. Chain and Cord Control: One-way draw stack left or right, as selected by University's Representative and as shown and detailed on Contract Drawings.

PART III - EXECUTION

3.01 INSTALLATION

- A. Install blinds level and plumb and aligned with adjacent units according to manufacturer's written instructions. Install intermediate support as required to prevent deflection in headrail. Allow clearances between adjacent blinds and for operating glazed opening's operation hardware, if any.
 1. Location: Exterior louver edges in any position to adequately clear interior face of glass or window frame.
- B. Flush Mounted: Install blinds with louver edges flush with finish face of opening when vanes are tilted open. (**Consultant to select**)
- C. Jamb Mounted: Install headrail flush with face of opening jamb and head. (**Consultant to select**)
- D. Head Mounted: Install headrail on face of opening head. (**Consultant to select**)
- E. Recessed: Install headrail concealed within blind pocket. (**Consultant to select**)
- F. Adjusting: Adjust vertical louver blinds to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.
- G. Cleaning: Clean vertical louver blind surfaces after installation, according to manufacturer's written instructions.

END OF SECTION 12492