

## SECTION 12492

### VERTICAL LOUVER BLINDS

#### PART 1 - GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

##### 1.02 SUMMARY

- A. This Section includes vertical louver blinds with PVC vanes.
- B. Related Sections include the following:
  - 1. Division 6 Section "Miscellaneous Carpentry" for wood blocking for mounting vertical louver blinds and accessories.

##### 1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01300.
- B. Product Data: For each type of product indicated.
- C. Shop Drawings: Show fabrication and installation details for vertical louver blinds.
- D. Samples for Initial Selection: For each type of vertical louver blind indicated.
  - 1. Include similar Samples of accessories involving color selection.
- E. Maintenance Data: For vertical louver blinds to include in maintenance manuals.

##### 1.04 QUALITY ASSURANCE

- A. Source Limitations: Obtain vertical louver blinds through one source from a single manufacturer.
- B. Fire-Test-Response Characteristics: Provide vertical louver blinds with the fire-test-response characteristics indicated, as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.
  - 1. Flame-Resistance Ratings: Passes NFPA 701.
- C. Product Standard: Provide vertical louver blinds complying with WCSC A 100.1.

##### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver vertical louver blinds in factory packages, marked with manufacturer and product name, fire-test-response characteristics, lead-free designation, and location of installation using same designations indicated on Drawings and in a window treatment schedule.

##### 1.06 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install vertical louver blinds until construction and wet and dirty finish work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

- B. Field Measurements: Where vertical louver blinds are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operable glazed units' operation hardware throughout the entire operating range. Notify Architect of discrepancies. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

## PART 2 - PRODUCTS

### 2.01 VERTICAL LOUVER BLINDS, PVC VANES

- A. Products: Subject to compliance with requirements, provide one of the following:
  - 1. Levolor, a Newell Rubbermaid Company; LouverDrape Zirlon Wheeled System.
  - 2. Solar Shading Systems; SSS-8000 Heavy-Duty System.
  - 3. Springs Window Fashions Division, Inc.; Graber Ultra-View System.
- B. Rail System: Headrail.
  - 1. Rails: Extruded aluminum; long edges returned or rolled; channel-shaped, enclosing operating mechanisms.
    - a. Color: As selected by Architect from manufacturer's standard color range.
- C. Vanes: Lead-free, UV-stabilized, integrally colored, opaque, permanently flexible, extruded PVC that will not crack or yellow; with flat profile and not less than **3/8-inch (9.5-mm)** overlap when vanes are rotated fully closed.
  - 1. Nominal Vane Width: **3-1/2 inches (89 mm)**.
- D. Vane Directional Control: Manual with nickel-plated metal bead chain.
- E. Traversing Control: Manual with nickel-plated metal bead chain.
- F. Draw and Stack Position: As indicated by Architect during Shop Drawing review.
- G. Cord-Tensioner Mounting: Sill.
- H. Valance: One vane insert; with dust cover.
  - 1. Finish Color Characteristics: Color texture, pattern, and gloss differing from vanes as selected by Architect from manufacturer's full range.
- I. Louver Bottom: Connecting or spacing chains.
- J. Mounting: Ceiling mounting, permitting easy removal and replacement without damaging blind or adjacent surfaces and finishes; with spacers and shims required for blind placement and alignment indicated.
  - 1. Provide intermediate support brackets if end support spacing exceeds spacing recommended by manufacturer for weight and size of blind.
- K. Stack Release: Permitting stacked vanes to be moved away from stacking position for total access to glazed opening.
- L. Colors, Textures, Patterns, and Gloss: As selected by Architect from manufacturer's full range.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, and other conditions affecting performance.
  - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Install vertical louver blinds level and plumb and aligned with adjacent units according to manufacturer's written instructions, and located so exterior vane edges in any position are not closer than **2 inches (51 mm)** to interior face of glass. 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.
- B. Head Mounted: Install headrail on face of opening head.

### 3.03 ADJUSTING

- A. Adjust vertical louver blinds to operate smoothly, easily, safely and free of binding or malfunction throughout entire operational range.

### 3.04 CLEANING AND PROTECTION

- A. Clean vertical louver blind surfaces after installation, according to manufacturer's written instructions.
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that vertical louver blinds are without damage or deterioration at time of Substantial Completion.
- C. Replace damaged vertical louver blinds that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

### 3.05 SCHEDULE

- A. Provide vertical louver blinds for all exterior windows.

END OF SECTION