

SECTION 12500
WINDOW VERTICAL BLINDS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 specification section, apply to work of this section.

1.2 SECTION INCLUDES:

- A. Vertical louvers
- B. Track system

1.3 REFERENCES

- A. NFPA 701-99: Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
- B. CPSC - U.S. Consumer Product Safety Commission.
- C. WCSC – Window Covering Safety Council.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's descriptive literature indicating materials, finishes, construction and installation instructions.
- B. Manufacturer's certification that product meets requirements specified.
- C. Manufacturer's recommendation for maintenance and cleaning.
- D. Sample: One full size unit of each type specified furnished complete with required components, mounting and associated hardware, instructions and warranty.

1.5 QUALITY ASSURANCE

- A. Installer shall be qualified by experience and acceptance of requirements of manufacturer.

1.6 DELIVERY, STORAGE AND HANDLING

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

1.7 WARRANTY

- A. Blind units shall include a lifetime warranty.

PART 2 PRODUCTS

2.1 LOUVERS

- A. PVC: Extruded 100% Geon ® Vinyl 0.030" maximum thick, flat and curved louvers beaded on each side to 0.050" nominal. Louver width shall be 3.5"; standard spacing allows an overlap of not less than 3/8" and to stack 7/16" apart.

2.2 MATERIALS

- A. Provide gear reduced track head rails with anodized aluminum channel.
- B. Tilt chain shall be #10 qualified nickel-plated brass enclosed end cap.
- C. Spacer links shall be stainless steel.
- D. Tilt rod shall be heavy-duty extruded aluminum .24" diameter with offset-notch cross-section and three points of support.
- E. Carrier bodies shall be heavy-duty precision-molded, with wheels, worm and spur gears of thermal plastic. Carriers traverse on wheels of thermal plastic mounted in a protected raceway inside the channel. Carriers shall move on wheels except lead carrier, which has an elongated bearing surface.
- F. Louver support shall be solid molded thermal plastic hook suspended from center of carrier body. Rotation limit of 180° with positive stops to prevent louver damage. Hook design shall allow easy louver installation and removal.
- G. Traversing shall be side, center or off center. Control shall be locknit polyester cord, stretch resistant, non-fraying and lint free. End caps and traversing mechanism lead cord through carrier body, away from gears. Note: All chords shall be provided without "loops" on the inner chords as dictated by the U.S. Consumer Product Safety Commission Report on "Children Can Strangle in Window Covering Chords".
- H. Rotating to 180° through sprocket with 32-1 mechanical advantage with gear-reduced control. Operate with bead chain with stops to prevent complete rotation.

PART 3 EXECUTION

3.1 INSPECTION

- A. Installer shall inspect site, approve mounting surfaces, installation conditions and field measurement.

3.2 INSTALLATION

- A. Building shall be enclosed prior to installation.
- B. Interior temperature shall be maintained between 60°F and 90°F. Wet work shall be complete and dry.
- C. Installation shall comply with manufacturer's specifications, standards and procedures.
 - 1. Do not install blinds such that they might interfere with required emergency escape windows and fire department access windows where they occur.
- D. Clearance shall be provided for unencumbered operation.
- E. Clean installation and leave work area clean and free of debris.

END OF SECTION