

CONSTRUCTION STANDARD SPECIFICATION
SECTION 12501
HORIZONTAL BLINDS

	<u>Page</u>
<u>PART 1 - GENERAL</u>	
1.01 Summary	2
1.02 Submittals	2
1.03 Quality Assurance	2
1.04 Delivery, Storage, And Handling	2
 <u>PART 2 - PRODUCTS</u>	
2.01 Manufacturers	3
2.02 Materials	3
2.03 Fabrication And Operation	4
 <u>PART 3 - EXECUTION</u>	
3.01 Installation	5

CONSTRUCTION STANDARD SPECIFICATION

SECTION 12501

HORIZONTAL BLINDS

PART 1 - GENERAL

1.01 SUMMARY

- A. Furnish and install horizontal blinds, complete with head, cord, and hardware.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's product literature and installation instructions for horizontal blinds required. Include methods of installation for each kind of opening and supporting structure.
 - 1. Include typical elevation layout indicating proposed division between blind units and meeting edges at corners. Provide sections and details at head and sill between blind units and corners.
 - 2. Provide schedule of all units to be furnished, including field measurements at each location.
- B. Samples: Submit samples for selection of colors, in form of manufacturer's color charts consisting of sections of exposed components with integral and applied finishes, showing full range of colors and materials.
- C. Warranty: Submit manufacturer's standard warranty information.

1.03 QUALITY ASSURANCE

- A. General: Provide units produced by one manufacturer with complete standard assemblies including hardware accessory items, mounting brackets and fastenings.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver in manufacturer's standard packaging, unopened and undamaged.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include, but are not limited to, the following:
1. Graber Industries, Inc.
 2. Hunter Douglas, Inc.
 3. Architectural Products Division, Levelor Lorentzen, Inc.

2.02 MATERIALS

- A. Headrail: Channel-shaped section complete with tilting mechanism, top and end braces, top cradles, cord lock, and accessory items required for type of blind and installation.
- B. Bottom Rail: Tubular steel bottom rail, designed to withstand twisting or sagging. Contour top surface to match slat curvature, with flat or slightly curved bottom. Close ends with metal or plastic end caps of same color as rail. Finish rail in same color as slats.
- C. Slats: Spring-tempered aluminum (louver blades), rounded corners with forming burrs removed.
1. Slat Width: 1-inch (25 mm) nominal slats, with other components sized to suit.
 2. Provide slats designed and spaced to achieve maximum overlap and closure for optimum light exclusion.
- D. Ladders: Designed to support and maintain slats at proper spacing and alignment in open and closed positions, as follows:
- Braided polyester cord design consisting of vertical components of not less than 0.043-inch nor more than 0.068-inch in diameter and integrally braided ladder rungs of not less than 4 threads; space ladders not further than 23 inches apart and 7 inches from ends of slats.
- E. Tilting Mechanism: Assembly including disengaging worm and gear mechanism to eliminate overdrive, low-friction gear tilter, drum and cradle at each ladder, tilt rod, tape clips, and grommet guides to prevent wear on ladder and cords; designed to hold slats at any angle and prevent movement of slats due to vibration.
- F. Wand Operator: Detachable clear plastic wand, of proper length to suit blind installation, detachable without tools by raising locking sleeve.
- G. Lifting Mechanism: Crash-proof cord locks with cord separators and braided polyester or nylon lift cords with tassels at ends. Size cord to suit blind type. Include self-aligning cord equalizers designed to maintain horizontal blind position.

- H. Installation Brackets: Designed to facilitate removal of head channels. Provide intermediate brackets at spacing recommended by the blind manufacturer. Include hardware necessary for secure attachment of brackets to adjoining construction and to headrails. Design brackets to support safely the weight of blind assemblies plus forces applied to operate blinds.
- I. Miscellaneous Accessories: Hold down clips, light channels, etc. as indicated, to match blind color.

2.03 FABRICATION AND OPERATION

- A. Prior to fabrication, verify actual opening dimensions by accurate site measurements. Adjust dimensions for proper fit at openings.
- B. Fabricate window treatment components from non-corrosive, nonstaining, nonfading materials that are completely compatible and do not require lubrication during normal expected life.
- C. Fabricate blind units to openings, fill openings from head to sill, and amb to jamb.
- D. For continuous window wall installations, fabricate blinds so that ends occur only over mullions or other defined vertical separation.
- E. Space slats to provide overlap for light exclusion when fully closed.
- F. Equip horizontal blind units for the following operation:
 - 1. Full-tilting operation with slats rotating approximately 180R. Place tilt-operating controls on left-hand side of blind units unless otherwise indicated.
 - 2. Full-height raising, to minimum stacking dimension, with lifting cord locks for stopping blind at any point of ascending or descending travel. Place pull cords on right-hand side of blind units unless otherwise indicated.
- G. Finish: Provide finishes indicated below. Finish exposed accessories and hardware to match rail color. Provide corrosion-resistant finish to concealed items of hardware.
 - 1. Steel Components: Galvanize and either phosphate coat or prime exposed steel surfaces. Finish with baked-on synthetic resin enamel finish.
 - 2. Aluminum Slats: Chemical conversion coat, then follow with baked-on synthetic resin enamel finish coat.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install horizontal blinds to comply with manufacturer's instructions. Position units level, plumb, secure, and at proper height and location relative to adjoining window units and other related work. Securely anchor units with clips, brackets, and anchorages suited to type of substrate.
- B. Provide clearance between sash and blinds to permit unencumbered operation of sash hardware.
- C. Isolate metal parts from concrete and mortar to prevent galvanic action. Use thick coating or other means recommended by manufacturer to effect separation.
- D. Protect installed units to ensure their being in operating condition, without damage, blemishes, or indication of use at substantial completion of project. Correct nonconforming damaged units. Replace units that cannot be field corrected.
- E. Provide hold-down clips for blinds mounted on door windows.

END OF SECTION