

## 12490: WINDOW TREATMENT

### HORIZONTAL BLINDS

Type: Manually-operated Venetian blind conforming to ANSI/WCMA Standard A 100.1 for safety of corded window coverings.

Slat Width: 1 inch. Use of 2-inch with blinds shall be reviewed with the Project Manager.

#### Materials:

Slats: Minimum 0.008 inch thick spring-tempered aluminum with crowned profile and radiused corners.

Slat Support: Woven polypropylene, ladder configuration.

Headrail Housing: Formed-steel "U" channel, internally fitted with hardware, pulleys, and bearings for blind operation cross braced for rigidity.

Bottom Rail: Formed-steel box to match slat and reinforced to prevent twisting or sagging. End caps shall be metal.

Lift Cord: Braided polyester/rayon, continuous loop.

Tilter: Manufacturer's standard enclosed lubricated worm-and-gear drive actuated by wand with 180-degree tilt range, designed to hold slats at set angle.

Control Wand: Extruded transparent plastic.

Equalizers: Self-aligning, nylon, designed to maintain blind slats in horizontal position.

#### Accessory Hardware:

Pocket-type hinged mounting brackets.

Valances are not permitted unless integral part of headrail housing.

Finish and Exposed Metal Components: Factory-applied, light-colored.

#### Fabrication and Installation:

Control wand and lift cord shall be in length sufficient for easy operation from a convenient position and meeting required ADA accessibility requirements. Locations shall be specified or indicated on the Drawings.

Blind height shall not exceed 12 feet. At areas requiring greater height, provide two blinds stacked one above the other.

Widths shall not exceed 72 inches.

Blinds shall be “between jamb” mounted unless face of wall mounting is required by project conditions.

Divisions between blinds shall occur only at mullions of continuous windows or openings where more than one blind for one opening occurs.

## **VERTICAL BLINDS**

Type: Manually-operated, rotating and traversing vertical louver blinds.

Louvers shall traverse and rotate 180 degrees.

Slat Width: Nominal 3-1/2 inches.

Materials:

Slats: Minimum 0.010 inch thick curved and spring-tempered aluminum

Headrail: Heavy-duty gear-reduced aluminum channel track with matching end caps.

Rotation: Nickel-plated brass beaded chain.

Sprocket and gear rack assembly shall provide not less than 10-to-1 mechanical advantage.

Louvers shall remain parallel to each other and rotate in unison.

Traversing:

Control shall be a locknit polyester cord, stretch resistant, non-fraying and lint free.

End caps and traversing mechanism shall lead cord through carrier bodies away from gears.

Fabrication and Installation:

Traversing shall conform to Project conditions with direction at each opening shown on Drawings.

Chain operator shall be in length sufficient for easy operation from a convenient position and meeting required ADA accessibility requirements.

Blinds shall be inside ceiling mounted unless face of wall mounting is required by project conditions.

Divisions between blinds shall occur only at fixed mullions.

Finish and Exposed Metal Components: Factory-applied, light-colored.

## **SHADES**

General:

Type of shade fabric and method of operation shall be selected to meet specific project requirements.

Dual shade systems, with both shades located in the same pocket, shall be used where both blackout and light filtering fabrics are required at the same location.

Use of motor-operated systems shall be reviewed with the Project Manger and will be considered where bead chain length is excessive or not accessible, or blackout shades are required to interface with A/V equipment.

Removal of shade shall not require disassembly of shade unit.

Materials and Fabrication:

Shade Cloth:

Shade cloth shall have no seams and hang flat without buckling or distortion.

Edge, when trimmed, shall hang straight without raveling.

An unguided roller shade cloth shall hang true and straight, without shifting sideways more than 1/8 inch in either direction due to warp distortion or weave design.

Shade fabrics shall be certified by an independent testing laboratory to pass NFPA 701 and applicable code requirements.

Each shade shall fully cover the opening where it occurs.

Drive Assembly:

Shall be factory set for size and travel of shades.

Shall be adjustable from exterior of shade unit without disassembly of hardware.

Shall have a built-in shock absorber system to prevent chain breakage under normal usage conditions.

Chain at Manual Shades: No. 10 stainless steel bead chain formed in a continuous loop.

Chain operator shall be in length sufficient for easy operation from a convenient position and meeting required ADA accessibility requirements.

Shade support hardware shall be capable of supporting 150 percent of the full weight of each shade.

Power Operators:

Control systems and components shall be approved as a system by either Underwriter Laboratories (UL) or Electrical Testing Laboratories (ETL).

Motor: Fractional horsepower asynchronous motor with reversible capacitor designed for intermittent operation.

Thermally protected, temperature Class A, totally enclosed.

Solenoid activated disk brake mechanism shall stop and hold shade in any position and shall have externally adjustable internal limit switches. Brake shall automatically disengage when motor is operating.

Electrical Components: CSA and UL Rated.

Motor shall be concealed within the shade tube and shall be maintenance free.

Controls: 3-position rocker-type wall switch. Locations shall be shown on the Drawings and match other switches provided under Division 16.

Motor Control System: To be coordinated with Project Manager for specific project requirements and for interface with low voltage audio-visual systems.

Warranty:

Tracks, gear-and-sprocket mechanism, and accessories for shades shall be warranted for 5 years against defects in materials and workmanship which inhibit proper and intended functioning of products.

Shadecloth shall not deteriorate, sag or warp and will remain fit for use for the full warranty period of not less than 10 years.

Motors shall be warranted to be free of defects in manufacture for not less than 2 years.

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