

GENERAL

It is the intent of this Specification to establish performance and quality criteria consistent with pre-established standards of design and function herein described. Window treatment not meeting these minimum standards will not be accepted.

Vertical Blinds - **SHALL NOT BE USED** in Classrooms.

Drapery Tracks - Commercial grade track; used only in Media Center Areas, Administrative Offices, and Auditorium Stage.

Colors/Patterns - Colors shall be limited to either white or egg shell. Standard pattern shall be used.

Horizontal Blinds

Headrail: Manufacturer's standard headrail consisting of channels shaped section fabricated from minimum 0.025" thick sheet steel with rolled edges at top. Increase metal thickness as recommended by Manufacturer for large blind units.

Bottom Rail: Manufacturer's standard tubular steel bottom rail, designed to withstand twisting or sagging.

Slats: Manufacturer's standard, spring-tempered aluminum slats, 0.010" thick, (louver blades), with rounded corners. Provide 2" standard slats, with other components sized to suit.

2" Horizontal Blinds

The blind shall have nominally two-inch wide horizontal slats, supported by **tape** ladders.

NOTE: String ladders will not be accepted

All operating hardware shall be machine clinched to an enclosed metal head to assure perfect alignment.

1. It shall be possible to tilt the slats to any horizontal angle by means of a transparent wand.
2. It shall be possible to raise and lower the slats to any height by means of wand only.
3. All metal components shall be chemically treated for corrosion resistance. Chemical treatment includes plating or other process determined to be best suited to the function of product treated. It does not include painting or coating for the purpose of appearance only. Chemical treatment shall be per Manufacturer's Standard Process.

4. All dry pigments used in coating shall be for interior and exterior use and shall meet Federal Lead Content Standards.
5. The blind shall be free of sharp edges, burrs or other defects which might be harmful to its operation or to persons or materials in contact with them.

Dual Channel Track System: Extruded aluminum of 6063-T5 alloy, minimum 0.050" aluminum wall thickness, dual channel track system of size and profile as required for particular application and operation indicated.

Types of carriers that may be used depending on particular application/operation:

- a. Ball-bearing carriers
- b. Slide carriers

Provide at least 3 carriers per foot of track but not less than that required for drapery heading system. Fabricate window treatment components which do not require lubrication during normal expected life.

Tilter:

The tilter shall be of enclosed construction. Its moving parts and mechanical drive shall be made of compatible materials for smooth operation. It shall tilt the slats to any desired angle and hold them at that angle so that any vibration or movement of ladders and slats will not drive the tilter and change the angle of slats. It shall have a wand which by turning shall tilt all the slats to the desired angle. An automatic disengagement of worm and gear shall eliminate overdrive to prevent strain or damage to wand, worm, gear, ladder or top slat. It shall be of sufficient length and swivel for easy operation from any convenient position and be detachable by raising the locking sleeve.

Drums And Cradles:

All blinds shall have a cradle and drum for each ladder. The cradle shall be chemically treated steel and have holes with rolled edges to guide the ladder and cord through bottom of head. The cradle shall center the drum over the ladder openings. It shall provide bearing support for the tilt rod, thus preventing weight of blind from being transferred to tilter.

The drum shall be chemically treated and shall have two holes with rolled edges to anchor the barbs of each of the two ladder ends.

Tilt Rod:

The tilt rod shall be shaped to fit in only one possible correct position in the drum and gear openings and shall provide instant tilting response. Do not use tilt controls.

End Brace:

To add rigidity, an end brace of chemically-treated steel shall be fastened to each end of the headrail.

Installation Brackets:

Installation brackets with riveted locking cover shall both be chemically-treated steel and shall have baked finish in color to match head channel. A pair of these brackets shall support end of the head channel securely. The brackets shall permit easy removal of headrail. The bracket shall be designed to safely support the load of the blind plus the forces applied to operate the blind. The size and distribution of screw holes shall be determined by these criteria.

Intermediate Brackets:

Intermediate brackets shall be installed on blinds over 60 inches wide or 45 square feet in area. They shall be spaced at maximum of 60 inches apart. Brackets shall be "U" shaped chemically-treated steel. The head shall be locked to the central bracket by either of the following methods: Drive a self-tapping #6 x 1/4" type 1 screw through bottom of bracket and head channel; or use latch type bracket.

Aluminum Slat:

1. Slats shall be virgin aluminum alloyed for maximum strength, flexibility, and resistance to internal and external corrosion.
2. The slats shall be nominal 2" wide.
3. Densely pigmented colors shall have a chemically-treated catalytic undercoat, strongly bonded to the aluminum and enamel finish coat.
4. Slats shall be all one color with no reflective surface.
5. They shall have an elliptical crown of proper contour formed after coating and curing. The radius of each corner shall be nominal 5/32 inch and tangent to the edges of the slat.
6. The end clearance of each slat shall not exceed nominal 1/4 inch from each side of the window opening for jamb installation. For face installation slats shall overlap jamb by one inch minimum at each end where possible.
7. Slat thickness and ladder support distances shall be such that there is no visible up or down (sag) bow even after continued usage in any indoor environment.

Bottom Rail:

The bottom rail shall be chemically-treated steel.

It shall have a painted coating cured at high temperature and shall be formed after coating.

It shall be shaped to impart stiffness, accommodate its accessories, and flexible to proportionately distribute load to each cord branch.

It shall be provided with pierced holes for the braided ladders and cord. Molded plastic caps shall lock onto rail to cover cord and ladder holes. Caps shall be shaped to offer maximum protection to braided ladders and window sill.

Molded plastic end caps with bottom flange shall protect jamb and sill.

Lift Cord:

Cord shall be braided of high strength synthetic fibers of a diameter commensurate to the size of the rout hole in the slat. It shall have a rayon core or approved equal. Cord shall be flexible with minimum strength characteristics and maximum abrasion resistance. Cord shall have minimum breaking strength of 175 pounds and shall be of sufficient length and equalized to properly control the raising and lowering of the blind. Cord ends shall be securely anchored to the bottom rail at a maximum spacing of forty-six inches between cords.

NOTE: Stage Drapery Materials (See Section 11062 STAGE CURTAINS)

END OF SECTION 12500