

SECTION 12 24 00
WINDOW SHADES

PART 1 - GENERAL

1.1 DESCRIPTION

Between-the-glass blinds are specified in this section, furnished complete, including brackets, fittings and hardware.

1.3 QUALITY CONTROL

Manufacturer's Qualification: Between-the-glass blind manufacturer shall provide evidence that the manufacture of blinds are a major product, and that the blinds have performed satisfactorily on similar installations.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Samples:
 - 1. Between-the-glass blind slats, 300 mm (12 inches) long, including chain and supporting channels, showing color and finish.
- C. Manufacturer's literature and data; showing details of construction and hardware for:
Between-the-glass blinds

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Window Accessory Company, Incorporated.
- B. Alpha Door and Rail.
- C. Allied Window Inc.

2.2 BETWEEN-THE-GLASS BLINDS

- A. Headrail: 0.625-inch wide by 0.650-inch high by 0.050-inch thick 6063-T5 extruded aluminum with baked-on polyester powder coat finishing conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.
- B. Bottom Rail: 0.625-inch wide by 0.375-inch high by 0.050-inch thick 6063-T5 extruded aluminum with a baked-on polyester powder coat finish conforming to AAMA specification #603.8-1985 voluntary specification for organic coatings on architectural extrusions.
- C. Slat: 0.006-inch thick virgin aluminum alloy. Slats to be finished with organic primer and baked-on enamel finish coat to withstand 500 hours of exposure to 100 percent relative humidity, 300 hours at 20 percent salt spray solution at 95 deg. F, and 250 hours of accelerated weathering without blistering, fading, or corroding. Color: White.

- D. Ladder Cord: Braided synthetic yarn designed to have maximum flexibility and tensile strength. Ladder cord locations shall not exceed 5-inches from end of slat or 16 inches apart.
- E. Ladder/Tape Drum Support: Plastic material to prevent corrosion. All lift cords guided by Ladder/Tape Drum Support over plated steel cord pin assembly to minimize wear on lift cords and facilitate operation of raising and lowering the blind.
- F. Lift Cord: Braided synthetic yarn with minimum tensile strength of 130 lbs. Lift cords securely fastened to bottom rail at distance not to exceed 32 inches on blinds larger than 15 square feet and 48 inches on blinds smaller than 15 square feet. Lift cord includes zinc plated steel lift ring at end to secure blind in "up" position during shipment of windows. Ring diameter shall not exceed 0.682-inch. Lift cord shall run through 0.225-inch inside diameter plated steel eyelet in head rail end cap to minimize wear on the cord and head rail end cap.
- G. Mounting Hardware: 33 percent glass filled nylon mounting clip designed to match profile of head rail allowing head rail to be "snapped" into place, and be removable.
- H. Tilt Control Knob: Maximum diameter 0.500-inch with serrations around perimeter to facilitate operation. Tilt knob designed to be fastened to window using #10 pan head or #8 truss head fasteners. **Drill hole in existing window sufficient to install tilt control knob and provide escutcheon plate or similar plate where applicable to conceal drilled hole.**
- I. Flexible Cable Operators: Brass or bronze coated high tensile steel wire wound in four layers to outside diameter of 0.130-inch. Brass fittings on ends of flexible cables shall not be less than 0.3125-inch in diameter. All fittings shall be crimped in six locations onto flexible cables to insure that fittings will not work loose from end of cable under normal use conditions. Exposed cable shall be sheathed in 0.015-inch thick weatherstripping grade vinyl. Cables attached to D-shaped steel control rod using #4-40 stainless steel set screws. Length of finished cables shall be 6 inches.
- J. Slip Mechanism: Blind designed with slip mechanism which will minimize damage due to over tilting blind. When blind reaches its closed position and tilt knob is turned, there will be no damage to the blind or its operational hardware.

1. Slip mechanism accomplished by utilizing 33 percent glass filled nylon tape drum assembly to minimize discoloration of ladder cord during long term operation.
- K. Tilt Rod Assembly: Spring-loaded tilt rod assembly within head rail designed to allow approximately 1-inch lateral movement of tilt rod away from control end of head rail.
- I. Tape Spacers: Clear plastic tape spacers used on top slat at all ladder locations to insure proper tilting and alignment of blind. Clear plastic injection molded tape spacers used to eliminate scratches on head rail and second slat.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Between-The-Glass Blinds: Support blinds in level position by brackets and intermediate supports recommended by manufacturer for applications shown on Drawings that will permit easy removal and replacement of units without damage to blind, or adjacent surfaces.
 1. Install blinds between panes of glass as indicated on Drawings and in accordance with manufacturer's recommendations and instructions.
 2. Protect blinds against defacements, warpage of slats, or bending of rails. Warped or damaged slats, or bent rails shall be removed from the site immediately and replaced. Scratching or other defacements shall be repaired at the Contractor's expense and as approved by the Resident Engineer.

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Manhattan VAMC Bldg. 1 - 9th Floor Renovations
Manhattan Veteran's Affairs Medical Center
New York, New York

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Addendum No. 1

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