NORTHWESTERN UNIVERSITY

DESIGN GUIDELINES AND TECHNICAL STANDARDS
DIVISION 12 – FURNISHINGS

SECTION 12 2000 – WINDOW TREATMENTS

1. General: This section outlines the requirements for window screens that are provided as part of the project.

2. Design Considerations:

   a. Window treatments shall typically be provided as part of the base bid scope of work and not part of the furnishings, fixtures and equipment (FF&E).

   b. Architect/Engineer shall review options with NU Project Manager during the design phase of the project and coordinate power requirements for motorized shades.

3. Horizontal Blinds:

   a. General: Head rail and blinds shall conform to shape of window. Bottom rail, tubular steel, 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.

   b. Slats: Spring tempered aluminum (louver blades), rounded corners with forming burrs removed.

   c. 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, operated as follows:

   d. Wand Operator: Detachable clear plastic wand, of proper length to suit blind installation, detachable without tools by raising locking sleeve.

   e. 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.

   f. Installation Brackets: Designed to facilitate removal of head channels. Design brackets to support safely the weight of blind assemblies plus forces applied to operate blinds.

END OF SECTION
DIVISION 12 – FURNISHINGS

SECTION 12 4816 – ENTRANCE FLOOR GRILLES

1. General: This section outlines the requirements for entrance floor grilles.

2. Design Criteria:
   a. Foot grilles and frames shall be designed to support a uniform distributed load of at least 200 pounds per square foot.


4. Aluminum Foot Grilles: Provide manufacturer's standard extruded aluminum foot grille with top surfaced tread rails. Framing members and tread rail material, aluminum finish, tread top surface, and tread rail spacing as indicated.
   a. Provide frames for foot grilles of same material as other framing members with finish to match tread rails.
   b. Aluminum: Extruded aluminum, ASTM B 221, alloy 6061 T6 for tread rails and keylock, where used; alloy 6063 T5 or T6 for framing and connecting members.
   c. Tread Rail Spacing: 1-1/2 inches on center with 1/8-inch to 3/16-inch wide openings between treads.
   d. Aluminum Finish: Natural mill finish.
   e. Top Surface: Fusion bonded level cut pile nylon carpet insert; DuPont "Antron III" filament, 1/4 inch high, 28 oz. per sq. yd.

5. Support System: Provide cushion support system.

6. Drainage Pit Applications: Provide special deep pit frame and support extrusion system with intermediate support beams, sized and spaced as recommended by manufacturer for indicated spans and equipped with vinyl support cushions.
   a. Provide 16 gage stainless steel or 0.060 inch thick aluminum pit liner for each entrance mat unit, with 2 inch IPS floor drain. Coat bottom of aluminum pan with zinc chromate paint. Provide joint sealant between the concrete slab and metal pan.

END OF SECTION