

INTERIOR FIXED GLASS PARTITION WALL SYSTEMS

(THIS SECTION DOES NOT APPLY TO FIRE-RATED GLASS PARTITION SYSTEMS)

GENERAL INFORMATION

- 1.1 Interior fixed glass partition walls generally fall into three categories and uses at CU:
- a. Fixed Frame systems – interior pavilions, office and office suite fronts
 - b. Glass panels (borrowed lites) – office fronts
 - c. Demountable Partition systems – miscellaneous applications where a fixed partition is not feasible or desirable.

DESIGN REQUIREMENTS

- 2.1 Approved Fixed Frame System Vendors:
- a. Wilson Partitions - Series 350 or 375
 - b. Hufcor
 - c. Acme Architectural Walls
 - d. Raco Interior Products
 - e. The Sliding Door Company
 - f. DIRTT
- 2.2 Approved Demountable Partition System Vendors:
- a. DIRTT
- 2.3 Field-constructed glass panels are also acceptable. Field-constructed non-system elements consist of aluminum channel and glass panels with two-sided glass capture and vertical clear caulk joint of no greater than 1/8" wide. Glass panels may also be set in a wood frame when appropriate and as approved by CUF. Laminated safety glass is preferred. Tempered safety glass will be reviewed upon request.
- 2.4 Consultant shall review all existing interior glass partition wall systems in the subject building and evaluate their suitability for the application being contemplated. If deviation from the defacto standard is desired, a request to deviate from the established standard shall be made during the schematic design phase to the CUF Project Team.
- 2.5 System selection shall be based on the traffic volume expected in the project area.
- 2.6 Visible screws are not acceptable.
- 2.7 Minimum Sound Transmission Coefficient of interior glass partition wall systems is 39.
- 2.8 Glass surface finishes shall be smooth. Textured, sand-blasted, or matte finish on the surface of the glass is not acceptable. Surface applied films are acceptable provided that the film surface is smooth, is cleanable, and is easy to maintain.

- 2.9 Safety distraction strips shall be applied to clear glass openings and panels that are greater than 20 inches in width where accidental human impact is possible. This includes clear glass doors, clear glass sidelights, and clear glass wall panels. Distraction strips shall be applied adhesive strips not less than one and one-half inches in vertical dimension extending across at least two-thirds of the total glazed area.

Transparent glass doors and fixed adjacent transparent glass sidelights shall be marked in two areas on the glass surface thereof. One such area shall be located at least 30, but not more than 36 inches and the other at least 60, but not more than 66 inches above the ground, floor or equivalent surface below the door or sidelight. The marking design shall be at least four inches in diameter if circular or four inches in its least dimension if elliptical or polygonal, or shall be at least 12 inches in horizontal dimension if the marking is less than four inches in its least dimension. In no event shall the vertical dimension of any marking including lettering be less than one and one-half inches in height.

Exception: Transparent glass doors and fixed adjacent transparent glass sidelights shall be exempt from the upper area marking requirement (60 to 66 inches above the ground, floor or equivalent surface) if they are provided with horizontal separation bars, muntin bars or equivalent at least one and one-half inches in vertical dimension that extend across the total width of the glazed area and are located at least 40, but not more than 50 inches above the bottom of the door or sidelight.

(reference – NYS Statutory authority: Labor Law, §§27-a, 27, 29, 241-b)

CONSTRUCTION REQUIREMENTS

- 3.1 Consultant shall require shop drawings for fabrication and installation. Include the following:
1. Plans, elevations, and detail sections. Include surrounding conditions for alignment purposes.
 2. Indicate materials, methods, finishes, and types of joinery, fasteners, anchorages, caulking type, gasket type with color, and accessory items. Specify finishes.
 3. Provide setting diagrams and templates for hardware, anchorages, sleeves, and bolts installed by others.
 4. Where materials or fabrications are indicated to comply with certain design loadings, include structural computations, material properties, and other information needed for structural analysis.
- 3.2 Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
1. Where normal color and texture variations are to be expected, include 2 or more units in each set of samples showing the limits of such variations.
 2. Finish shall represent color range, finish thickness, and sheen to be expected in the finished Work.
- 3.3 Verification Samples: For each finish product specified, two samples, minimum size 150 mm (6 inches) square, representing actual product, color, and patterns.

3.4 Field touchup of framing system is not acceptable.

END OF SECTION