



RESIDENTIAL GLASS & GLAZING

HAZARDOUS LOCATIONS

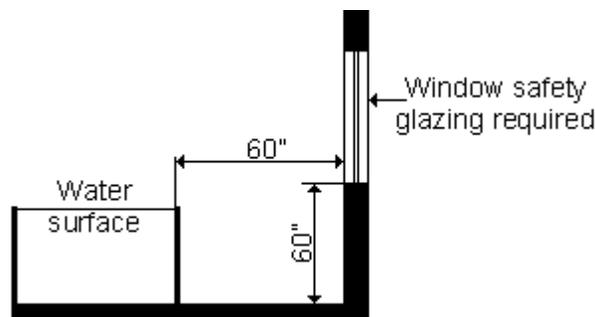
*A Building permit is required for any alteration or addition to any existing building or structure. *MN State Building Code Section 1300.0120 Subpart 1.*

Identification

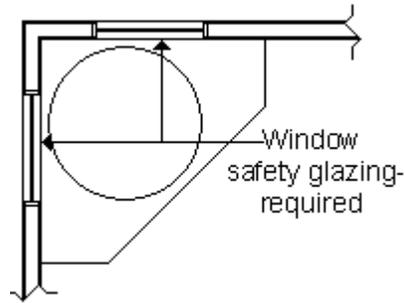
- Each pane of glazing installed in hazardous locations shall be provided with a manufacturer's designation specifying who applied the designation, designating the type of glass and the safety glazing standard with which it complies. The designation shall be acid etched, sandblasted, ceramic-fired, laser etched, embossed, or be a type which once applied cannot be removed without being destroyed. ❖ Exceptions:
 - Tempered spandrel glass is permitted to be identified by the manufacturer with a removable paper designation.
 - Multi-pane assemblies having individual panes not exceeding 1 square foot (sq. ft.) in exposed area shall have at least one pane in the assembly identified as noted above, all other panes in the assembly shall be labeled "16 CFR 1201."

Locations

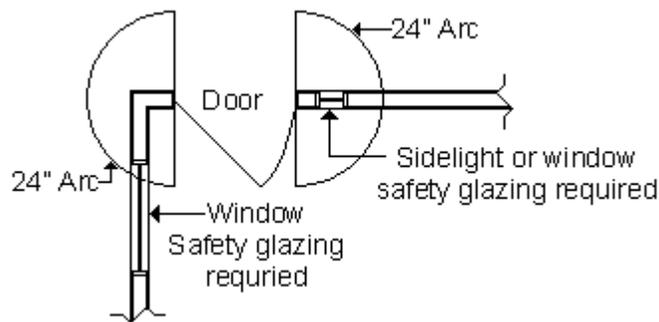
- Glazing in all doors including glazing in: swinging doors; storm doors; unframed swinging doors; fixed and sliding panels of sliding door assemblies; and panels in sliding and bi-fold closet door assemblies. ❖ Exceptions:
 - Openings in which a 3" sphere is unable to pass.
 - Decorative glass in swinging doors. (*Decorative glass is defined as a carved, leaded or Dalle glass or glazing material whose purpose is decorative or artistic, not functional; whose coloring, texture or other design qualities or components cannot be removed without destroying the glazing material; and whose surface, or assembly into which it is incorporated is divided into segments.*)
- All glazing in railings regardless of an area or height above a walking surface. Included are structural baluster panels and nonstructural infill panels.
- Glazing in walls and fences enclosing indoor and outdoor swimming pools, hot tubs and spas where the bottom edge of the glazing is less than 60" above a walking surface and within 60" horizontally of the water's edge. This shall apply to single glazing and all panes in multiple glazing.



➤ Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in

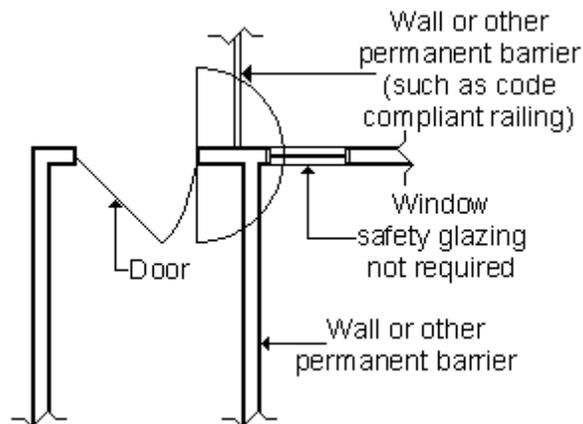


Glazing in an individual fixed or operable panel adjacent to a door where the nearest vertical edge is within a 24" arc of the door in a closed position and whose bottom edge is less than 60" above the floor or walking surface.

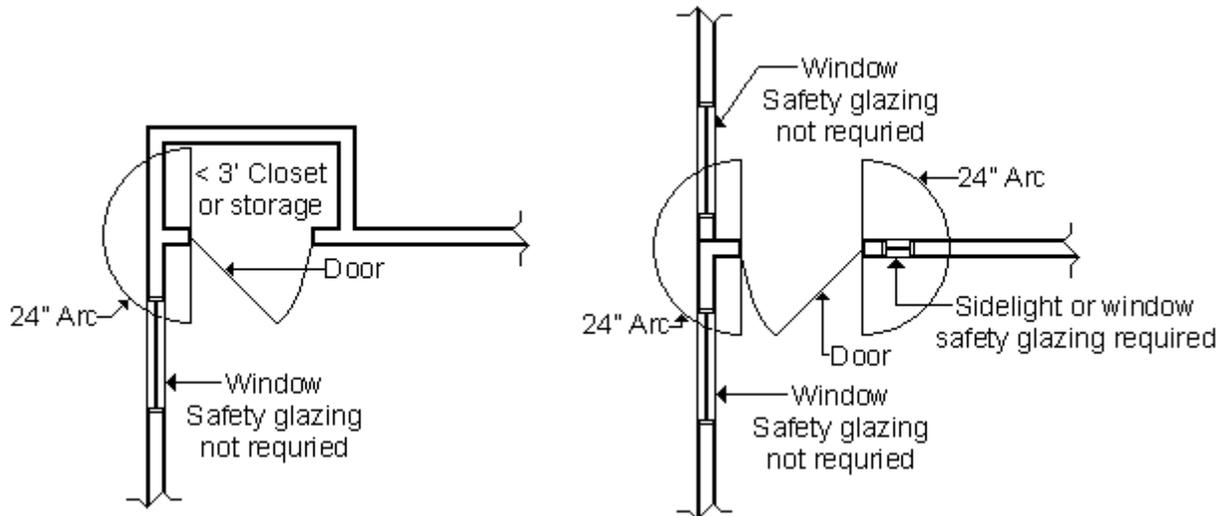


Exceptions: ▪ Decorative glass.

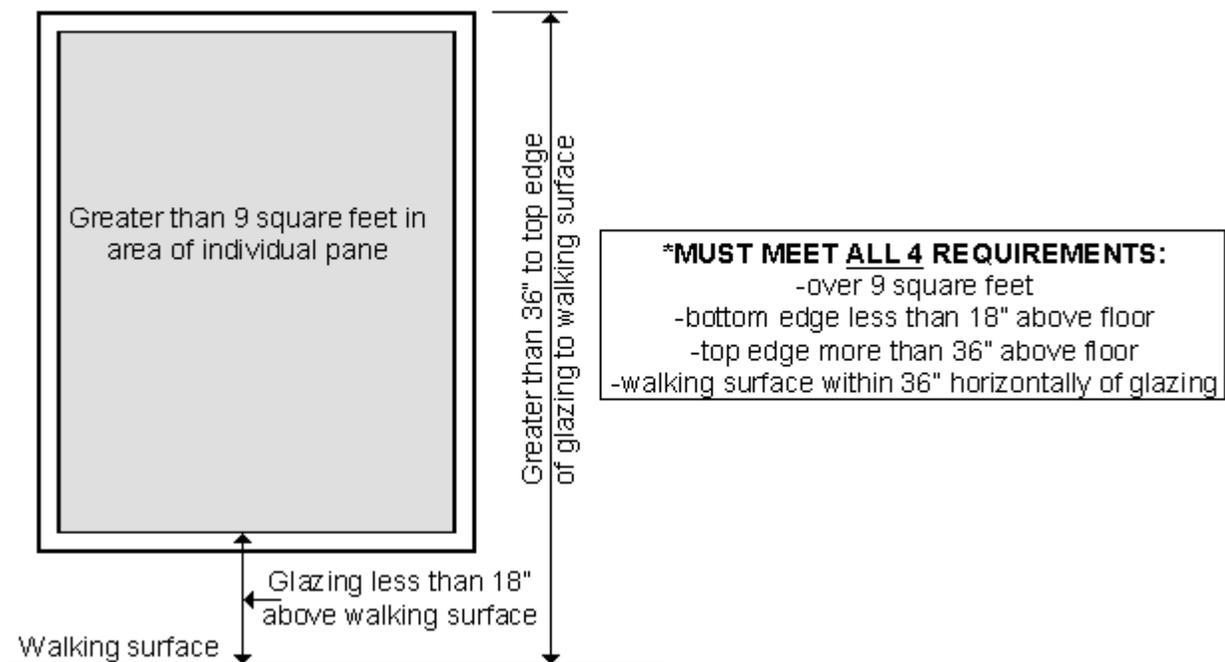
▪ When there is an intervening wall or other permanent barrier between the door and glazing.



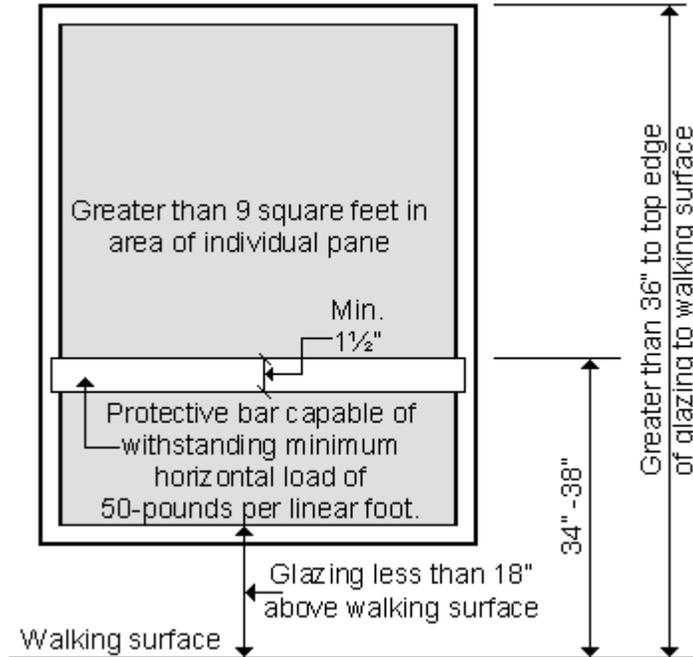
- In walls perpendicular to the plane of the door in a closed position, **other than the wall toward which the door swings when opened**, or where access through the door is to a closet or storage area 3-feet (') or less in depth.



- Glazing in an individual fixed or operable panel where the exposed area of an individual pane is larger than 9-square feet (sq. ft.); the bottom edge less than 18" above the floor; the top edge more than 36" above the floor; and one or more walking surfaces within 36" horizontally of the glazing*.

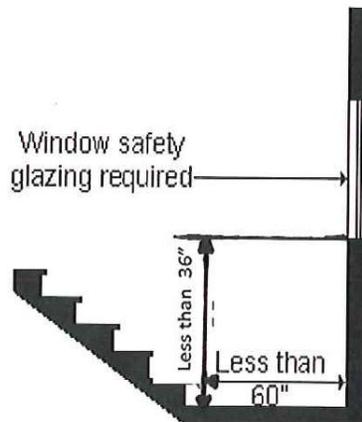


Exceptions: ▪ Where a protective bar is installed on the accessible side(s) of the glazing 34"-38" above the floor. The bar shall be capable of withstanding a horizontal load of 50-pounds per linear foot without contacting the glass and be a minimum of 1½" in height.

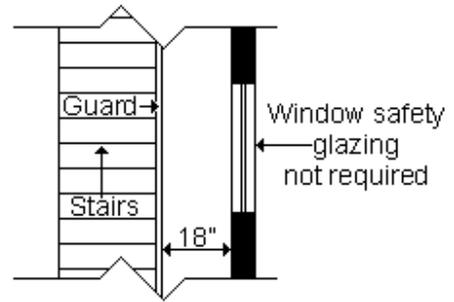
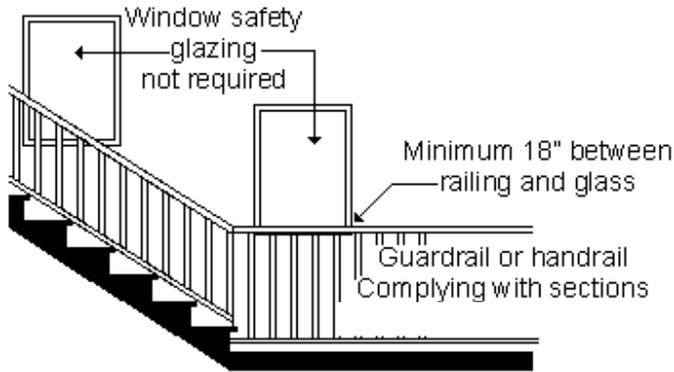


- Decorative glass.
- Outboard panes in insulation glass units and other multiple glazed planes when the bottom edge of the glass

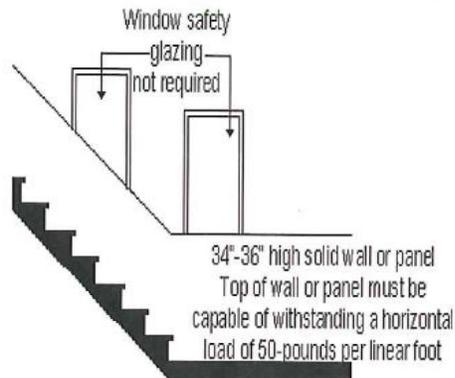
- Glazing adjacent to stairways within 60" horizontally of the bottom tread of a stairway in any direction when the exposed surface of the glass is less than 36" above the landing.



Exceptions: ▪ The side of a stairway, landing or ramp has a guardrail or handrail, including balusters or in-fill panels, complying with section MN RC R312 when the plane of the glass is more than 18" from the railing.



▪ The side of a stairway, landing or ramp where a solid wall or panel extends from the plane of the adjacent walking surface 34" - 36" above the floor and the construction at the top of that wall or panel is capable of withstanding a horizontal load of 50-pounds per linear foot.

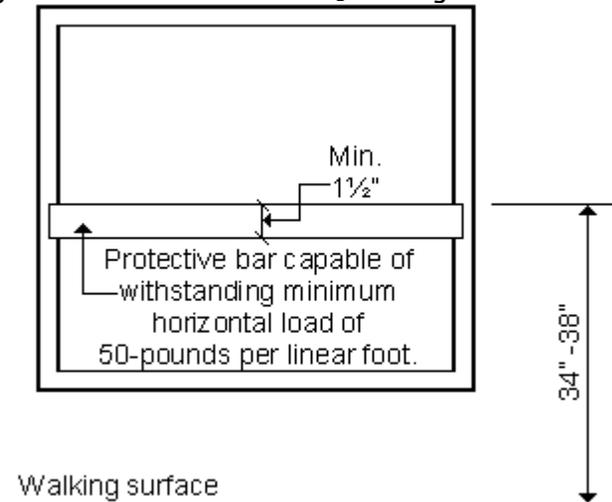


- Glazing adjacent to stairways, landings and ramps within 36" horizontally of a walking surface when the exposed surface of the glass is less than 36" above the plane of the adjacent walking surface.

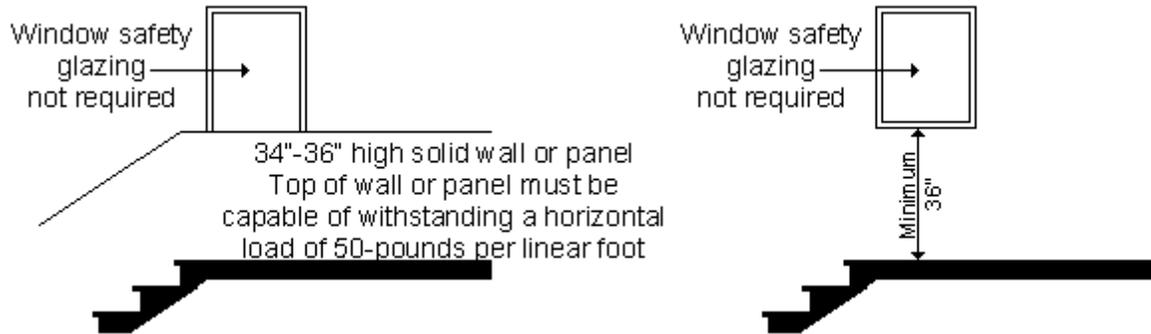


Exceptions:

- Where a protective bar is installed on the accessible side(s) of the glazing 34"-38" above the floor. The bar shall be capable of withstanding a horizontal load of 50-pounds per linear foot without contacting the glass and be a minimum of 1½" in height.



- When a solid wall or panel extends from the plane of the adjacent walking surface 34" - 36" above the floor and the construction at the top of that wall or panel is capable of withstanding a horizontal load of 50-pounds per linear ft.



The language & depictions in this hand out is meant as a guide for the construction code & building process and may not contain exact code language. For exact code you may go online at www.revisor.mn.gov or contact the Austin Building Department.