

SECTION R308 GLAZING

R308.1 Identification. Except as indicated in Section R308.1.1, each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed, or be of a type which once applied cannot be removed without being destroyed. A label shall be permitted in lieu of the manufacturer's designation.

Exception:

1. For other than tempered glass, labels may be omitted provided the building official approves the use of a certificate, affidavit or other evidence confirming compliance with this code.
2. Tempered spandrel glass may be identified by the manufacturer with a removable paper label.

R308.1.1 Identification of multiple assemblies.

Multi-pane assemblies having individual panes not exceeding one square foot in exposed area shall have at least one pane in the assembly identified in accordance with Section R308.1. All other panes in the assembly shall be labeled "CPSC 16 CFR 1201" or "ANSI Z97.1" as appropriate.

R308.2 Louvered windows or jalousies. Regular, float, wired or patterned glass in jalousies and louvered windows shall be no thinner than nominal 3/16 inch and no longer than 48 inches. Exposed glass edges shall be smooth.

R308.2.1 Wired glass prohibited. Wired glass with wire exposed on longitudinal edges shall not be used in jalousies or louvered windows.

R308.3 Human impact loads. Individual glazed areas including glass mirrors in hazardous locations such as those indicated as defined in Section R308.4 shall pass the test requirements of Section 308.3.1(1).

Exception:

1. Louvered windows and jalousies complying with the requirements of Section R308.2.

2. Mirrors and other glass panels mounted or hung on a surface that provides a continuous backing support.
3. Glass Unit Masonry complying with Section R610.

R308.3.1 Impact Test Where required by other sections of this code, glazing shall be tested in accordance with CPSC 16 CFR 1201. Glazing shall comply with the test criteria for Category II unless otherwise indicated in Table R308.3.1 (1).

Exception:

1. Glazing not in doors or enclosures for hot tubs, whirlpools, saunas, steam rooms, bath tubs and showers shall be permitted to be tested with ANSI Z97.1. Glazing shall comply with the test criteria for Class A unless indicated in Table R308.3.1. (2)

R308.4 Hazardous locations. The following shall be considered specific hazardous locations for the purposes of glazing:

R308.4.1 Glazing in Doors Glazing in all fixed or operable panels of swinging, sliding and bi-fold doors.

Exception:

- Openings in doors through which a 3-inch sphere is unable to pass.
- Decorative glass.

R308.4.2 Glazing Adjacent Doors Glazing, in an individual fixed or operable panel adjacent to a door where the nearest vertical edge of the glazing is within the 24-inch arc swing of the door in a closed position and whose bottom edge is less than 60 inches above the floor or walking surface.

Exception:

1. Decorative glazing
2. When there is an intervening wall or other permanent barrier between the door and the glazing.
3. Glazing in walls on the latch side of and perpendicular to the plane of the door in a closed position.
4. Where access through the door is to a closet or storage area 3 feet or less in depth.
5. Glazing that is adjacent to the fixed panel of a patio door.

R308.4.3 Glazing in Windows Glazing in an individual fixed or operable panel that meets all of the following conditions:

1. The exposed area of an individual pane greater than 9 square feet.
2. The bottom edge less than 18 inches above the floor.
3. Top edge greater than 36 inches above the floor.
4. One or more walking surfaces are within 36-inches measured horizontally and in a straight line of the glazing.

Exception:

1. Decorative glazing
2. When a horizontal rail is installed on the accessible side(s) of the glazing 34 - 38 inches above the walking surface. The rail shall be capable of withstanding a horizontal load of 50 pounds per linear foot without contacting the glass and be a minimum of 1.5 inches in cross-sectional height
3. Outboard panes in insulating glass units and other multiple glazed panels when the bottom edge of the glass is 25 feet or more above grade, a roof, walking surface, or other horizontal [within 45 degrees of horizontal] surface adjacent to the glass exterior.

R308.4.4 Glazing in Guards and Railings Glazing in guards & railings, including structural baluster panels and nonstructural in-fill panels. regardless of an area or height above a walking surface.

R308.4.5 Glazing and Wet Surfaces Glazing in walls, enclosures, or fences containing or facing indoor and outdoor swimming pools, hot tubs, spas, whirlpools, saunas, steam rooms, bath tubs, and showers where the bottom exposed edge of the glazing is less than 60 inches measured vertically above any standing, or walking surface. This shall apply to single glazing and all panes in multiple glazing.

Exception:

1. Glazing that is more than 60 inches measured horizontally and in a straight line from the

water's edge of a bath tub, hot tub, spa, whirlpool, or swimming pool.

R308.4.6 Glazing Adjacent to Stairs & Ramps

Glazing where the bottom exposed edge of the glazing is less than 36-inches above the plane of the adjacent walking surface of stairway, landings between flights of stairs, and ramps.

Exception:

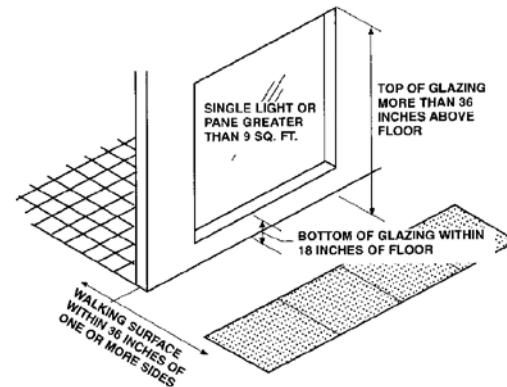
1. When a rail installed on the accessible side(s) of the glazing 34 - 38 inches above the walking surface. The rail shall be capable of withstanding a horizontal load of 50 pounds per linear foot without contacting the glass and be a minimum of 1.5 inches in cross-sectional height

R308.4.7 Glazing Adjacent to the Bottom Stair Landing

Landing Glazing adjacent to the landing at the bottom of a stairway where the glazing is less than 36-inches above the landing and within 60 inches horizontally of the bottom tread.

Exception:

1. The glazing is protected by a guard complying with Section R312 and the plane of the glass is more than 18-inches from the guard.



GLAZING WHICH MEETS ALL FOUR OF THE CRITERIA IS CONSIDERED TO BE A HAZARDOUS LOCATION AND THEREFORE MUST BE SAFETY GLAZED. IF THE PANEL (PANE OR LIGHT) DOES NOT MEET ANY OF THE FOUR CRITERIA, THAT PANEL IS NOT CONSIDERED A HAZARDOUS LOCATION AND THEREFORE IS NOT REQUIRED TO BE SAFETY GLAZED.

Hazardous Glazing



City of Richmond

Department of Codes Enforcement
239 West Main Street
Richmond, KY 40475

(859) 625-6404

Monday – Friday
8:00 AM to 4:30 PM

