

Identification of safety glazing

Manufacturer's designation for each pane of glazing in hazardous location:

- Who applied the designation,
- Type of glass
- Safety glazing standard
- Visible in the final installation
- Label permitted

Exceptions:

- Certificate, affidavit or other evidence (not tempered)
- Tempered spandrel glass removable paper

Identification of safety glazing

Multiple assemblies

- Individual panes ≤1 sq. ft.
- ≥ one pane identified
- Other panes labeled
 - CPSC 16 CFR 1201 or
 - ANSI Z97.1



Louvered Windows or Jalousies

- Regular, float, wired or patterned glass in jalousies and louvered windows:
 - ≥ 3/16 in. thick nominal and
 - ≤ 48 in.) in length
- Exposed glass edges shall be smooth.
- Wired glass with wire exposed on longitudinal edges prohibited



Human Impact Loads

- Glazed areas in hazardous locations shall pass the test requirements
- Exceptions:
 - Mirrors and other glass panels mounted or hung on a surface that provides a continuous backing support
 - Glass unit masonry
 - IRC: Louvered windows and jalousies
 - IBC: Plastic glazing shall meet the weathering requirements of ANSI Z97.1.



Impact Test

- CPSC 16 CFR 1201
 - Glazing shall comply with the test criteria for Category II unless otherwise indicated in Table
- Exception:
 - ANSI Z97.1
 - Glazing not in doors or enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers
 - Glazing shall comply with the test criteria for Class A unless indicated in Table

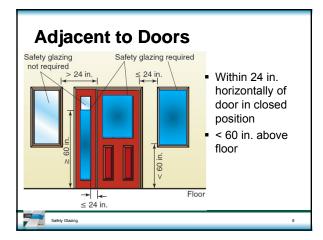


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Doors

- Glazing in fixed and operable panels of swinging, sliding and bi-fold doors
- Exceptions:
 - Glazed openings where a 3-in.-diameter sphere cannot pass through
 - Decorative glazing
- IBC Exceptions
 - Curved glazed panels in revolving doors
 - Commercial refrigerated cabinet glazed doors



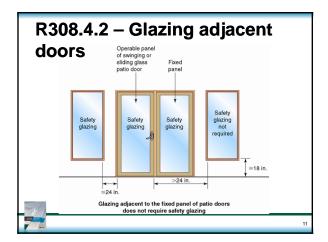


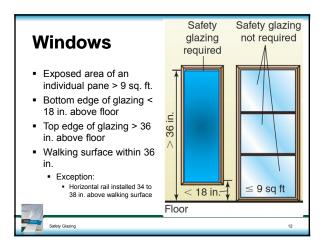
Adjacent to Doors Glazing installed perpendicular to a door < 24 inches from door Safety glazing if on hinge side of an inswinging door yes

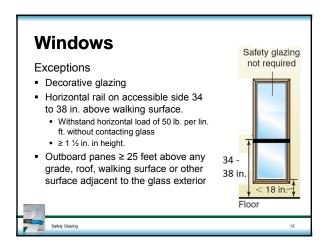
Adjacent to Doors

- Exceptions:
 - Decorative glazing
 - Intervening wall or other permanent barrier between door and glazing
 - Access through door is to closet or storage area ≤ 3 ft. in depth
 - Glazing that is adjacent to the fixed panel of patio doors

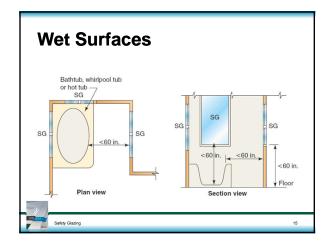


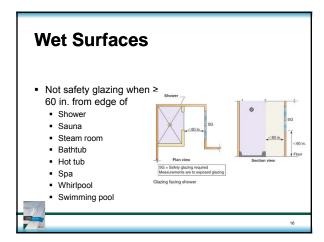


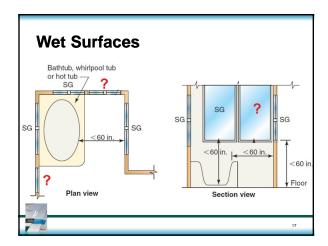




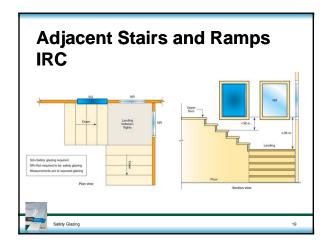
Glazing in guards and railings - Glazing used in guards require a safety factor of 4 - 4 x 50 psf (minimum design load for infill components) = 200 psf

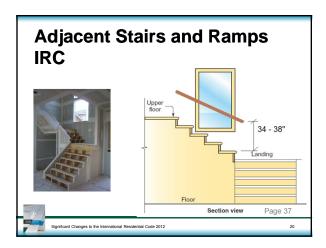








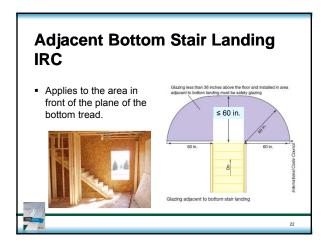


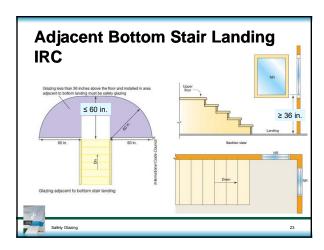


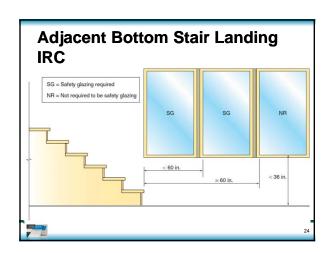
Adjacent Stairs and Ramps IBC

- < 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps
- Exceptions:
 - A guard and the plane of the glass >18 inches (457 mm) from the railing
 - Glazing ≥ 36 inches horizontally from the walking surface









Adjacent Bottom Stair Landing IBC

- Glazing < 60 inches above the landing and within a 60-inch horizontal arc from the bottom tread nosing
- Exception:
 - Glazing that is protected by a guard where the plane of the glass is >18 inches from the guard



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Safety Glazing

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