

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 Il 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

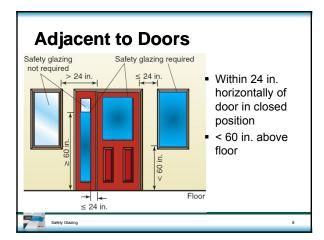


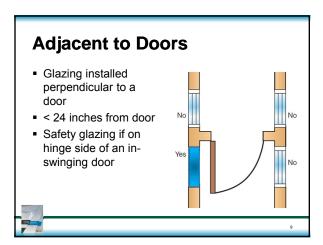
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Doors

- 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



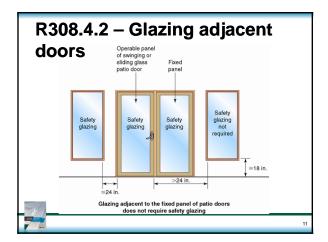


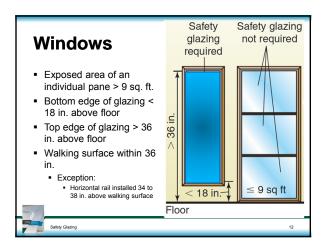


Adjacent to Doors

- 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







Windows Safety glazing not required Exceptions Decorative glazing Horizontal rail on accessible side 34 to 38 in. above walking surface. • Withstand horizontal load of 50 lb. per lin. ft. without contacting glass ■ ≥ 1 ½ in. in height. ■ Outboard panes ≥ 25 feet above any 34 grade, roof, walking surface or other 38 in surface adjacent to the glass exterior < 18 in. Floor

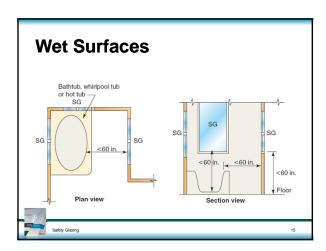
Glazing in guards and railings

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

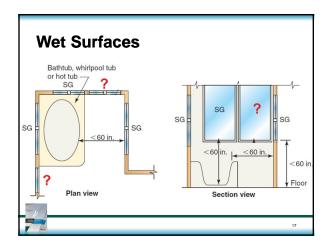




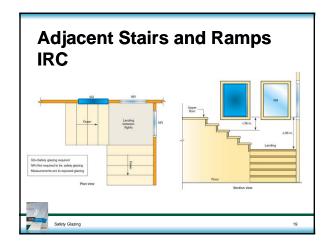
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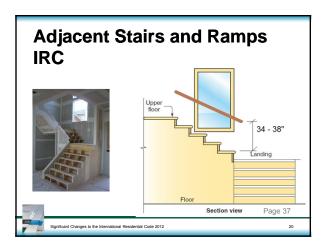








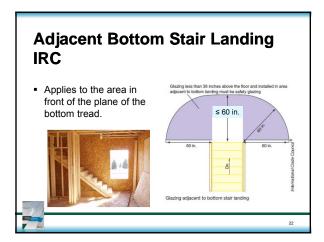


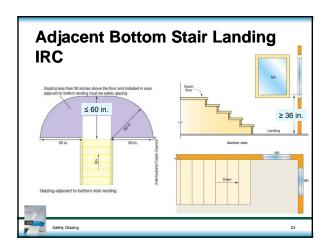


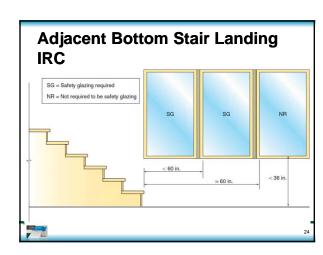
Adjacent Stairs and Ramps IBC

- < 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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