

Table 12 • Bedroom-Window Egress: Min. Height and Width Requirements for 5.7sq ft Opening (in inches)

Width	20	20½	21	21½	22	22½	23	23½	24	24½	25	25½	26	26½	27	27½	28	28½	29	29½	30	30½	31	31½	32	32½	33	33½	34
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**Light**

**03 IRC 97 UBC**

- Habitable rooms req openings for natural light min 8% of floor area (10% and min 10sq ft) . . . . . [303.1] (1203.2)
- Bathrooms (& kitchens) may have artificial light only [303.3X] (1203.2X)

**Ventilation**

- Habitable rooms req openings for natural ventilation min 4% of floor area (5% and min 5sq ft) . . . . . [303.1] (1203.3)
- Bathrooms req 1½sq ft openings OR . . . . . [303.3] (1203.3)
- 50cfm (5 air changes/hour) fan to outside . . . . . [303.3X] (1203.3)
- Two rooms considered one for light & ventilation if opening between them min 50% of common wall & opening ≥10% of floor area & min 25sq ft . . . . . [303.2] (1203.1)

**Safety Glass Identification**

- Tempered glass req's permanent etched label EXC . . . [308.1] (2406.2)
- Spandrel glass removable paper label OK . . . . . [308.1X2] (2406.2)
- All but one pane in multipane may bear "16-CFR 1201" label instead of full etched label . . . . . [308.1.1] (Ø)

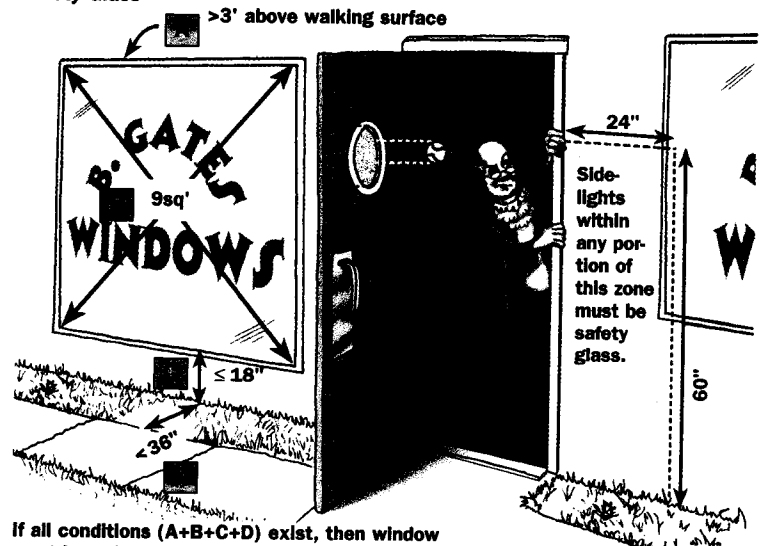
**Hazardous Locations Requiring Safety Glass**

- Tub/shower enclosure & doors & windows with lower edge ≤60in from tub/shower floor . . . . . [308.4] (2406.4)
- Glass in doors if 3in sphere could pass through . . .F16 [308.4] (2406.4)
- Glass in sliding or fixed panels of sliding doors . . . . . [308.4] (2406.4)
- Sidelights with vert edge of glazing <24in of door swing & lower edge of glass <60in from floor . . . . .F16 [308.4] (2406.4)
- All glass in railings . . . . . [308.4] (2406.4)
- Glazing ≤3ft horiz of stair or landing & lower edge <60in from floor . . . . . [308.4] (2406.4)
- Req'd when walk-through hazard exists, defined as meeting ALL of the following: . . . . .F16 [308.4] (2406.4)
  - Exposed area of glazing >9sq ft AND
  - Bottom edge <18in above floor or ground AND
  - Top edge >36in above floor or ground AND
  - Within 36in horizontally of a walking surface
- Alternative to safety glass: 1½in-high protective guard installed 34-38in above floor . . . . . [308.4X5] (2406.4X2)

**Skylights**

- Skylights may be tempered, heat-strengthened, laminated, wired, or approved rigid plastics . . . . . [308.6.2] (2409.2)
- Min 4in curb if roof slope <3/12 (<12/12) . . . . . [308.6.8] (2409.4)

**Fig. 16 Safety Glass**



If all conditions (A+B+C+D) exist, then window must be safety glass. Safety glazing would also be req'd if within 2' of the door frame.

**General**

**IRC Apx.G UBC Apx.4**

- Applies to all pools or spas . . . . . [102] (420)
- Barrier fence req'd min 48in high . . . . . [105.2] (421.1#1)
- Bottom of fence max 2in above grade . . . . . [105.2] (421.1#1)
- Max opening <4in, fence not climbable . . . . . [105.2] (421.1#1)
- Gate lockable, self-closing, open away from pool . . . . [105.2] (421.1#4)
- If latch <54in high, must be poolside & min 3in from top [105.2] (421.1#4)
- No openings >½in within 18in of gate latch . . . . . [105.2] (421.1#4)
- Doors & screens with direct pool access req alarm audible for 30 seconds throughout house . . . . . [105.2] (421.1#5X2)
- Alarm control min 54in high, automatically resetting . . [105.2] (421.1#5X2)

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