



# CITY OF VALLEJO

## Central Permit Center

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(707) 648-4310

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# Safety Glass Information

## SAFETY GLASS

Most injuries resulting from impact with glass and its resulting shards are caused by failure to see the glass, intentional breakage, or slips and falls. The prevention of these injuries is the underlying reasoning of the code provisions. The CBC has changed the locations where sidelites are now required to be safety glass, and no longer allows wire-reinforced fire-rated glass in lieu of safety glazing.

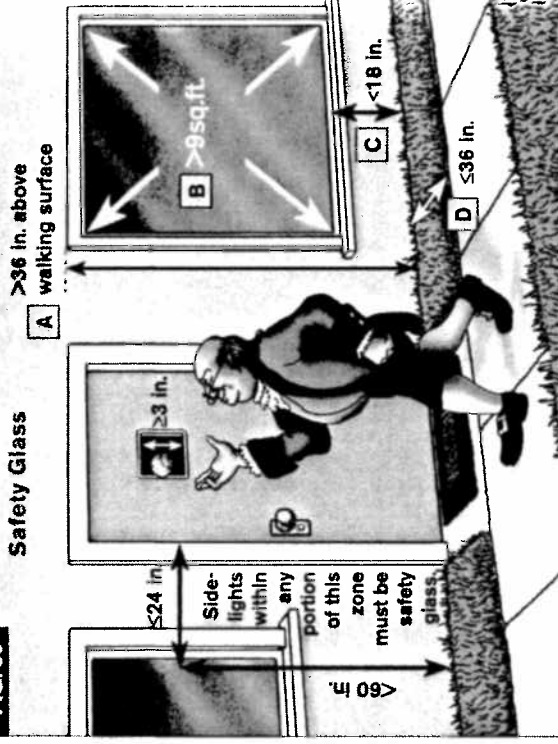
### Types & Identification of Glass

- "Decorative Glass" = carved, leaded, or Dalle glass (see Glossary) [2402.1]
- Jalousies (louvers) min 3/16in thick & max 48in long [2403.5]
- No exposed wire on edges of jalousies [2403.5]
- Each pane of tempered glass permanently identified by manufacturer & non-removable w/o destroying the glass EXC [2406.2]
- Laminated glass label not req'd if certificate on file [2406.2X1]
- Tempered spandrel glass removable paper label OK [2406.2X2]
- Safety glazing req'd to conform to CPSC 16 CFR 1201 F56 [2406.1.1]
- Plastics req'd to meet weathering test of ANSI Z97.1 [2406.1.2]
- Glass unit masonry req'd to comply as masonry [2406.1.3]
- Lites ≤1sq ft in multi-pane assembly need only have 1 lite fully labeled if rest marked "CPSC 16 CFR 1201" [2406.2.1]
- Glass <9sq ft in doors & sidelites CPSC Category I OK [2406.1.1]
- All other safety glazing CPSC 16 CFR 1201 Category II [2406.1.1]

### Hazardous Locations Requiring Safety Glass

- All glass (except jalousies) in swinging doors EXC [2406.3#1&4]
- Openings in which 3in sphere could not pass F59 [2406.3.1#1]
- Decorative glass [2406.3.1#2]
- Fixed & sliding panels of sliding doors [2406.3#2]
- Sliding & bifold closet doors EXC [2406.3#2]
- Mirrors & glass panels mounted or hung on a surface providing continuous backing support [2406.3.1#7]
- Storm doors [2406.3#3]
- Doors & enclosures for bathtubs, showers, hot tubs, whirlpools, saunas, steam rooms, & pools [2406.3#5]
- Glazing in building walls enclosing tubs, showers, etc, where bottom edge of glass is <60in above a standing surface [2406.3#5]
- Sidelites where glass is within 24in arc of door frame & any part of glass <60in above walking surface EXC [2406.3#6]
- Separation by intervening wall or barrier [2406.3#6X1]
- Where door only accesses a closet <3ft deep [2406.3#6X2]
- Decorative glass [2406.3.1#2]
- Glass perpendicular to door & not in wall toward which door swings in R-3 & individual unit of R-2 F61 [2406.3#6X3]
- Walk-through hazard consisting of all 4 following conditions: F59 [2406.3#7]
- Exposed area of individual pane >9sq ft +
- Bottom edge <18in above floor +
- Top edge >36in above floor +
- Within 36in horizontally of walking surface EXC
- Decorative glass exempt [2406.3.1#2]
- Guards & railings [2406.3#8]
- Fences enclosing pools if glass within 60in horizontally & <60in above walking surface [2406.3#9]
- Within 36in horizontal of stairs, landings, & ramps or 60in of lowest nosing if <60in above plane of walking surface EXC [2406.3#10&11]
- 18in horizontal OK if intervening guard or handrail [2406.3#11X]

FIG. 59



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

## SKYLIGHTS

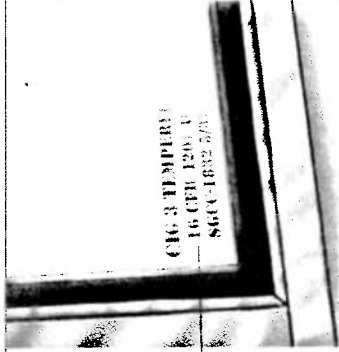
Skylights can be used to meet the requirements for natural light. A new exception for R-3 occupancies allows skylights to be mounted without a 4-inch curb if the roof has at least a 3:12 slope or if in accordance with the manufacturer's instructions. Skylights wider than 30 inches now require a saddle (F31) if wider than 30 inches in an asphalt shingle roof.

### General

- May be laminated, plastic, wired, heat-strengthened, or tempered [2405.2]
- Heat-strengthened & tempered req's protected screen EXC [2405.3]
  - If not above walking surface [2405.3X2]
  - Individual max 9/16 pane >16sq ft & >12ft above floor [2405.3X4]
- 4in curb req'd if roof slope <12:12 EXC [2405.4]
- OK in plane of roof in R-3 if roof slope min 3:12 or AMI [2405.4X]
- Saddle req'd if >80in wide in asphalt shingle roof F31,60 [1507.2.9.4]

**FIG. 58**

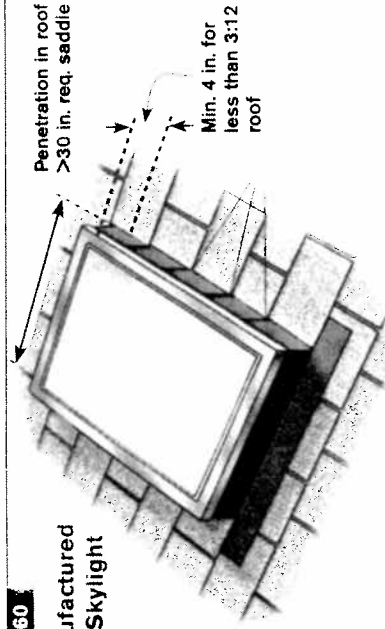
**Tempered Glass Label**



**"Bug"**  
The 16 CFR 1201 standard req's. the glass thickness to be labeled. It is not a requirement of the CBC.

**FIG. 60**

**Manufactured Unit Skylight**



**FIG. 61**

**Sidelight Safety Glazing**

