

2015

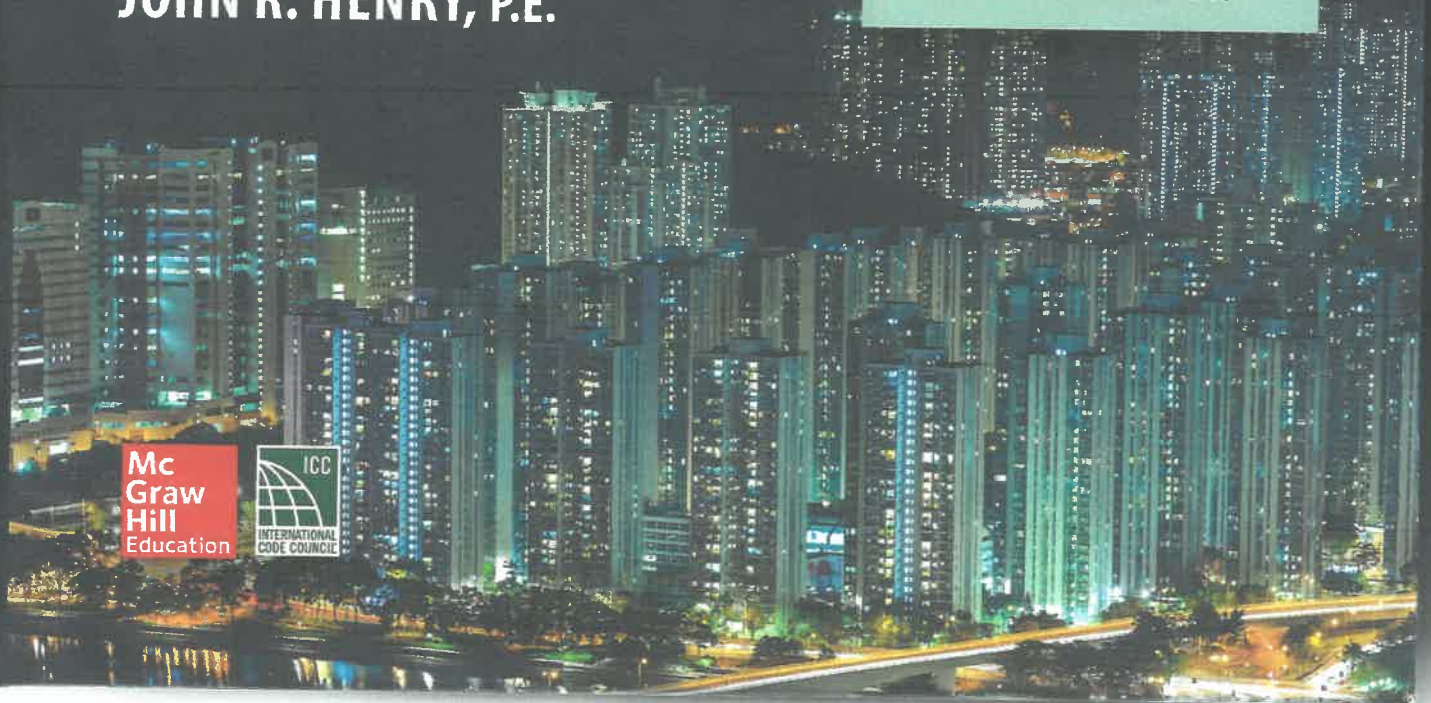
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International Building Code[®] Illustrated Handbook

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JOHN R. HENRY, P.E.

- Updated to reflect the 2015 IBC[®]
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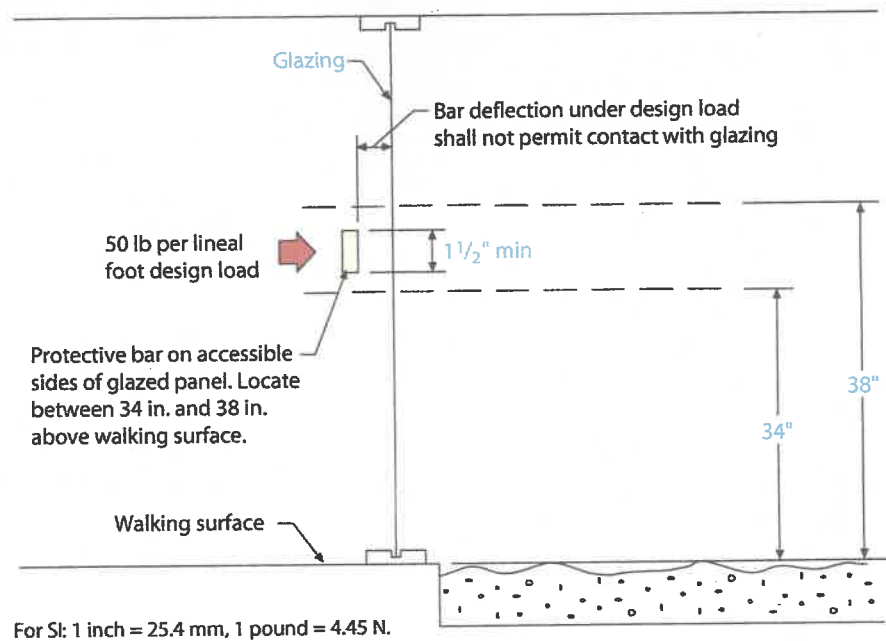
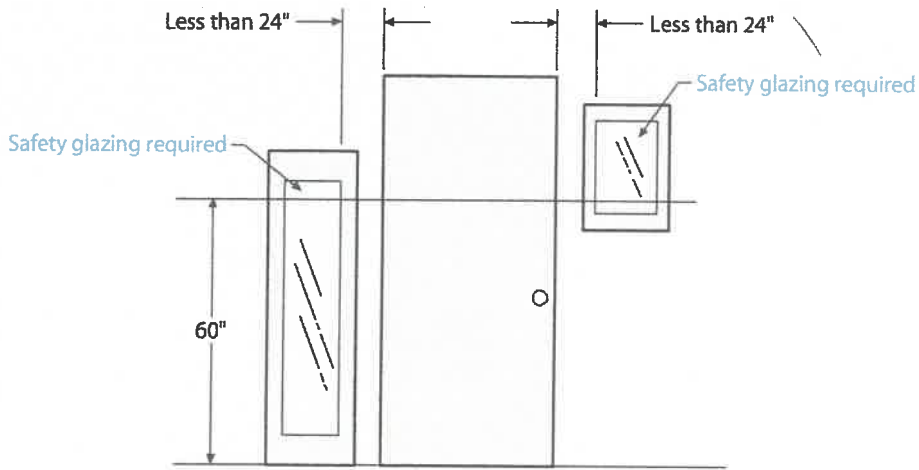


Figure 2406-4 **Protective bar alternative.**

in Figure 2406-4. Panels 2 and 3 do not require safety glazing, because their bottom edges are not less than 18 inches (457 mm) from the floor. If Panels 8 and 9 have a walking surface within 36 inches (914 mm) of the interior, safety glazing would be required. This would be true even though the bottom of the panel appears to be greater than 18 inches (457 mm) above the exterior walking surface, as the exterior condition would have no bearing on the determination. However, the exterior condition, because it is adjacent to a stairway, would be regulated by Section 2406.4.6 and/or Section 2406.4.7 for glazing adjacent to stairways. Therefore, multiple conditions mandate the need for safety glazing in Panels 8 and 9. Panels 4 and 7 require safety glazing because they are door sidelights. The exception mentioned above does not apply to panels adjacent to a door; therefore, although Panel 7 has been provided with a protective bar, safety glazing is still required.

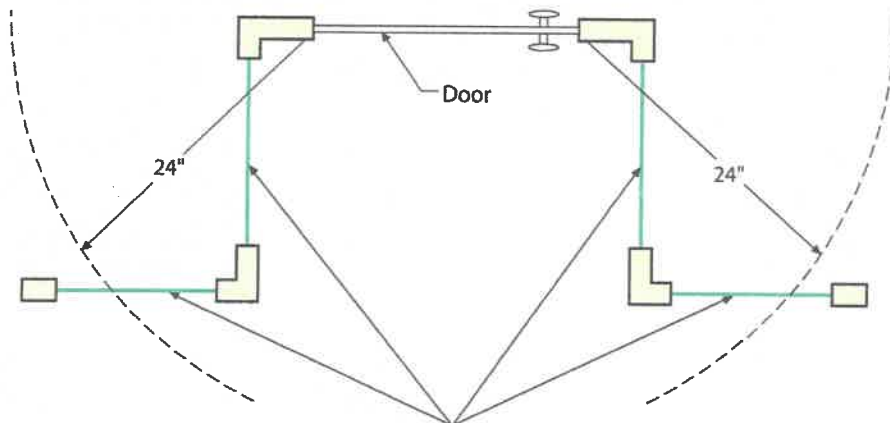
Figures 2406-5 and 2406-6 illustrate when safety glazing is required for panels adjacent to a door. This requirement applies to both fixed and operable panels. Where there is an intervening wall or permanent barrier as shown in Figure 2406-7, safety glazing would not be required. If the door serves only a shallow storage room or closet, adjacent glazing need not be safety glazing, as depicted in Figure 2406-8. Figure 2406-9 illustrates an exception applicable only to one- and two-family dwellings and within dwelling units in Group R-2 uses.

Panels 5 and 6 in Figure 2406-2 are glass doors, which require safety glazing based on the provisions of Section 2406.4.1. All ingress and egress doors, unframed swinging doors, and glazing in storm doors require safety glazing, as well as any other swinging, sliding, and bifold doors with fixed or operable glazed panels. See Figure 2406-10. There are several exceptions. If openings in a door will not allow passage of a 3-inch-diameter (76-mm) sphere, the glazing



For SI: 1 inch = 25.4 mm.

Figure 2406-5 Glass in sidelights—elevation.



Safety glazing required for all panels with exposed edges less than 60 in. above walking surface

For SI: 1 inch = 25.4 mm.

Figure 2406-6 Glass in sidelights—plan.

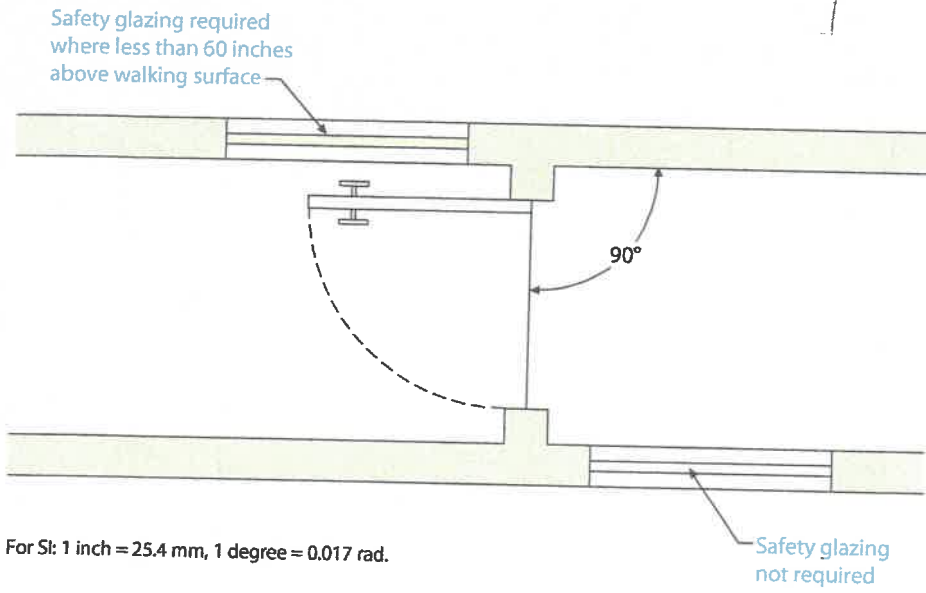


Figure 2406-9 Applicable to dwelling units of Groups R-2 and R-3.

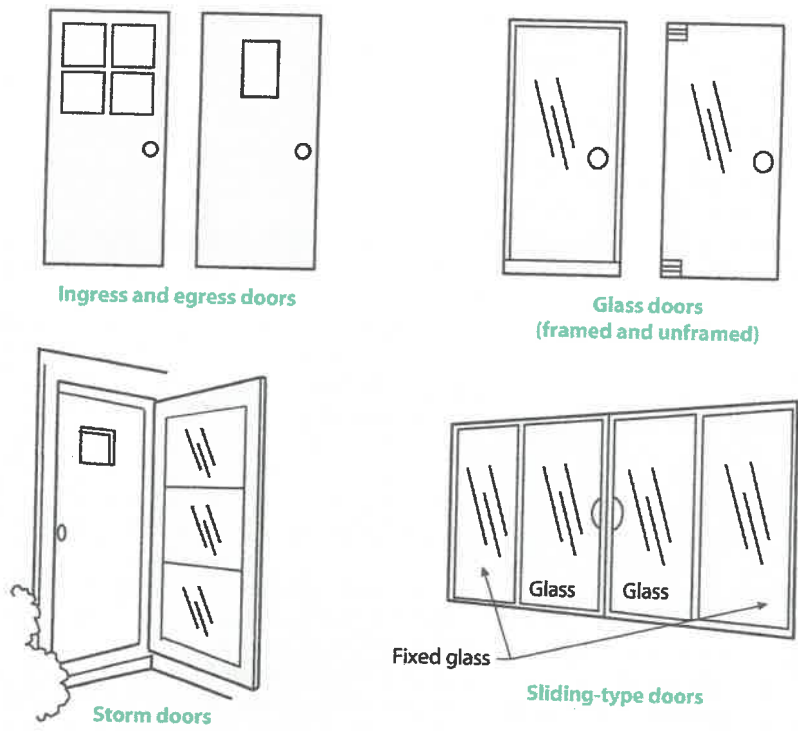


Figure 2406-10 Glazing in doors.