

2021 Virginia Construction Code
CHAPTER 24 GLASS AND GLAZING
SECTION 2403
GENERAL REQUIREMENTS FOR GLASS

2403.1 Identification.

Each pane shall bear the manufacturer's *mark* designating the type and thickness of the glass or glazing material. The identification shall not be omitted unless *approved* and an affidavit is furnished by the glazing contractor certifying that each light is glazed in accordance with *approved construction documents* that comply with the provisions of this chapter. Safety glazing shall be identified in accordance with [Section 2406.3](#).

Each pane of tempered glass, except tempered spandrel glass, shall be permanently identified by the manufacturer. The identification *mark* shall be acid etched, sand blasted, ceramic fired, laser etched, embossed or of a type that, once applied, cannot be removed without being destroyed.

Tempered spandrel glass shall be provided with a removable paper marking by the manufacturer.

2403.2 Glass supports.

Where one or more sides of any pane of glass are not firmly supported, or are subjected to unusual *load* conditions, detailed *construction documents*, detailed shop drawings and analysis or test data ensuring safe performance for the specific installation shall be prepared by a *registered design professional*.

2403.3 Glass framing.

To be considered firmly supported, the framing members for each individual pane of glass shall be designed so *that* the deflection of the edge of the glass perpendicular to the glass pane *does* not exceed $\frac{1}{175}$ of the glass edge length *where the glass edge length is not more than 13 feet 6 inches (4115 mm), or $\frac{1}{240}$ of the glass edge length + $\frac{1}{4}$ inch (6.4 mm) where the glass edge length is greater than 13 feet 6 inches (4115 mm)*, when subjected to the larger of the positive or negative load where loads are combined as specified in [Section 1605](#).

2403.4 Interior glazed areas.

Where interior glazing is installed adjacent to a walking surface, the differential deflection of two adjacent unsupported edges shall be not greater than the thickness of the panels when a force of 50 pounds per linear foot (plf) (730 N/m) is applied horizontally to one panel at any point up to 42 inches (1067 mm) above the walking surface.

2403.5 Louvered windows or jalousies.

Float, wired and patterned glass in louvered windows and jalousies shall be not thinner than nominal $\frac{3}{16}$ inch (4.8 mm) and not longer than 48 inches (1219 mm). Exposed glass edges shall be smooth.

Wired glass with wire exposed on longitudinal edges shall not be used in louvered windows or jalousies.

Where other glass types are used, the design shall be submitted to the *building official* for approval.