

**Marin County Codes Advisory Board**  
**Guidelines for the Installation of**  
**Heavy Glass Tub and Shower Enclosures**  
(This Guideline does not include sliding door units)

**Purpose:** The installation of heavy glass enclosures for tub and showers is not expressly addressed in the model codes. The following guidelines are developed to establish a standard of acceptable installation policy by the MCCAB for 3/8 inch and larger tempered glass doors and panels.

These Guidelines present the minimum method of attachment of the panels. Actual type of bracket, channel and their attachment to the building frame must comply with the structural requirements of the California Building Code.

Silicone caulking and/or sealant are not an acceptable means of securing glass to the building framing unless the manufacturer's structural data is submitted and approved. Consequently, the support method must be adequate without any caulking/sealant in place. Silicone is required on the edges only to provide a watertight enclosure.

**Brackets and Channels:**

Glass panels and hinged doors of a tub and/or shower enclosure shall be supported by brackets and/or channels with at least 1/2" grip firmly affixed to the building framing and the edges of the glass. Notched tile 1/2" in depth shall be acceptable in place of brackets or channels. The glass shall be firmly secured on at least two sides with brackets and/or channels. The supports should be on opposing edges of the glass where possible. Intersections of glazing must be secured by either a bracket or a channel.

**Brackets:** A minimum of two brackets shall be installed on each vertical edge of glass panels up to eight feet in height. Panels over eight feet in height require at least three brackets. If no brackets are installed on the opposing vertical edge, at least one bracket is required on a horizontal edge.

**Channels:** If the top edge of the glass is supported by a channel, the channel must be stiff enough to restrain deflection. If attached to the building framing only at the ends of the channels, the top channel must be one continuous section from one wall to another or have rigid splices.

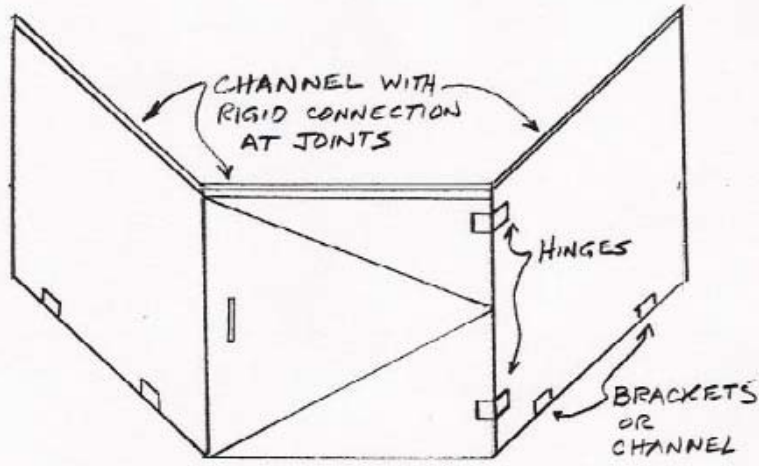
**Door Attachment:**

**Hinges:** Doors shall have a minimum of two hinges. No door shall have more than three hinges unless the hinge manufacturer recommends it.

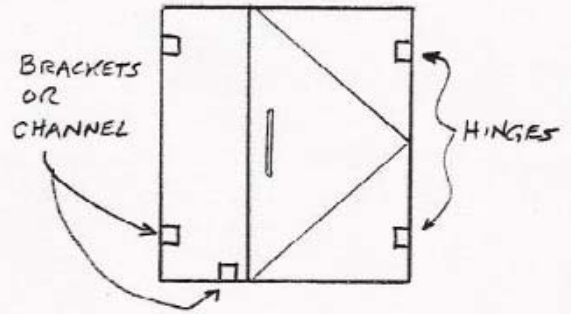
**Panels supporting doors:**

Narrow glass panels supporting doors shall be mechanically supported at the vertical and either upper or lower horizontal edges. When the panel is over 8" in width, a header bracket or channel and a lower bracket or channel is required.

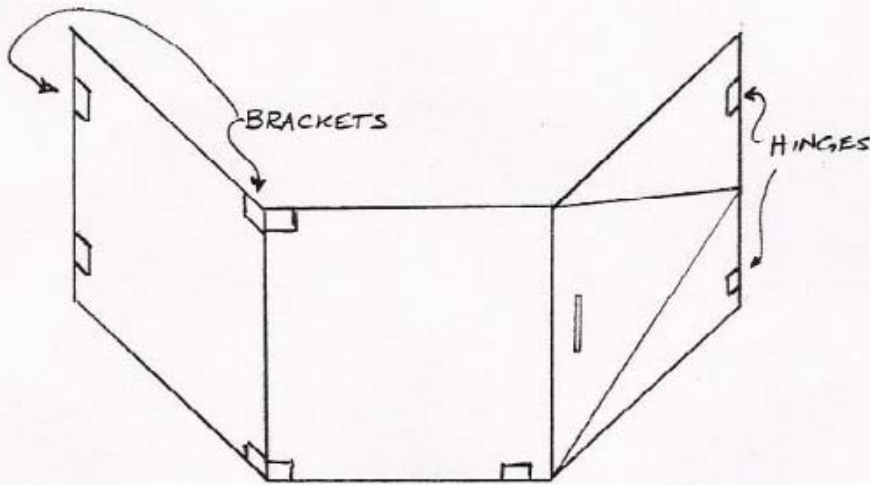
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2/16/05  
Sample Installations



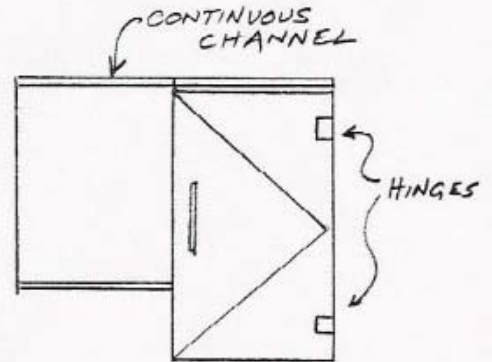
OPTION #1



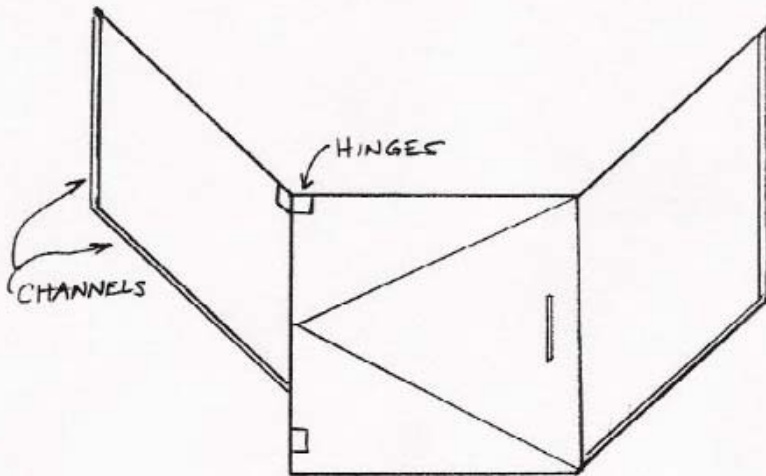
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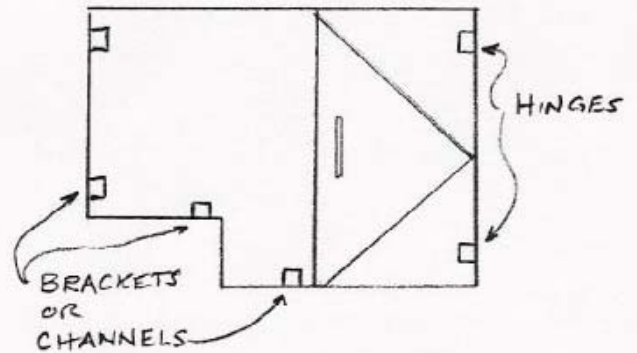
OPTION #2



OPTION #5



OPTION #3



OPTION #6