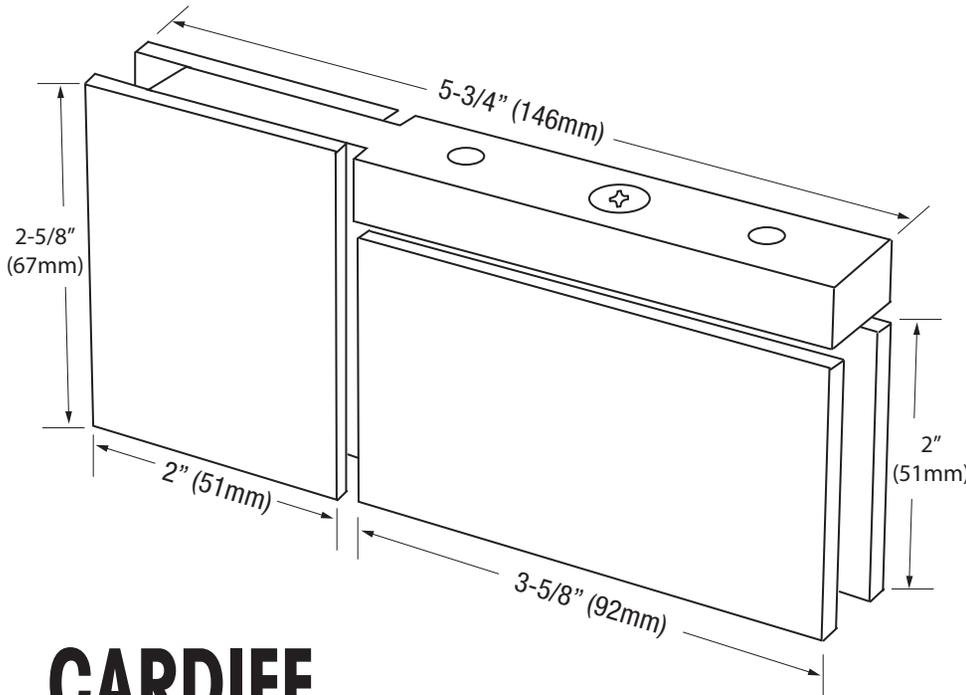




C.R. LAURENCE CO., INC.
PROFESSIONAL QUALITY



CARDIFF

Hinge with U-Clamp

CAT. No. CAR07

Edge Mount Preferred Method	Page 4H-34B
Edge Mount Alternate Method	Page 4H-34C
Top Flush Mount Method	Page 4H-34E
Bottom Mount Method	Page 4H-34F

*Maximum Door Capacities	5/16" (8mm) Glass		3/8" (10mm) Glass	
	Weight	Width	Weight	Width
Using 2 Hinges	100 lbs.(45 kg)	31"(787mm)	100 lbs.(45 kg)	31"(787mm)

***NOTE:** Do not exceed either maximum weight or width when choosing proper quantity of hinges.

Important Information:

Template Options: The CAR07 Cardiff Hinge with U-Clamp offers two template options, depending upon the capabilities of the temperer (see lower left of this page). The Preferred Method allows a full vertical seal along the hinge side. The Alternate Method leaves a short leg of glass, thus not allowing a full length vertical seal. Alternate specialty templates are also available. See lower left of page. **Do Not Fabricate Glass Prior to Qualifying for Design and Installation Criteria Shown on Page 4H-34D.**

CAR07 is hinged both left and right. To change the handing of the hinge, remove the clamp portion and reverse.

Specifications:

- Door Glass Sizes:** 5/16" (8mm) to 3/8" (10mm) thick tempered safety glass
- Construction:** Solid brass
- Closing Type:** Self-centering when within 15° of closed position
- Cutout Required in Door, Hole Required in Fixed Panel**
- Includes:** Gaskets, screws and template

Use of Gaskets:

- For 5/16" (8mm) Door Glass:** Use one thick gasket and one thin gasket on each side
- For 3/8" (10mm) Door Glass:** Use one thick gasket on each side

Recommendations:

For public safety, we only recommend the use of tempered safety glass. Do not use power tools when installing these hinges.

Maintenance Guidelines:

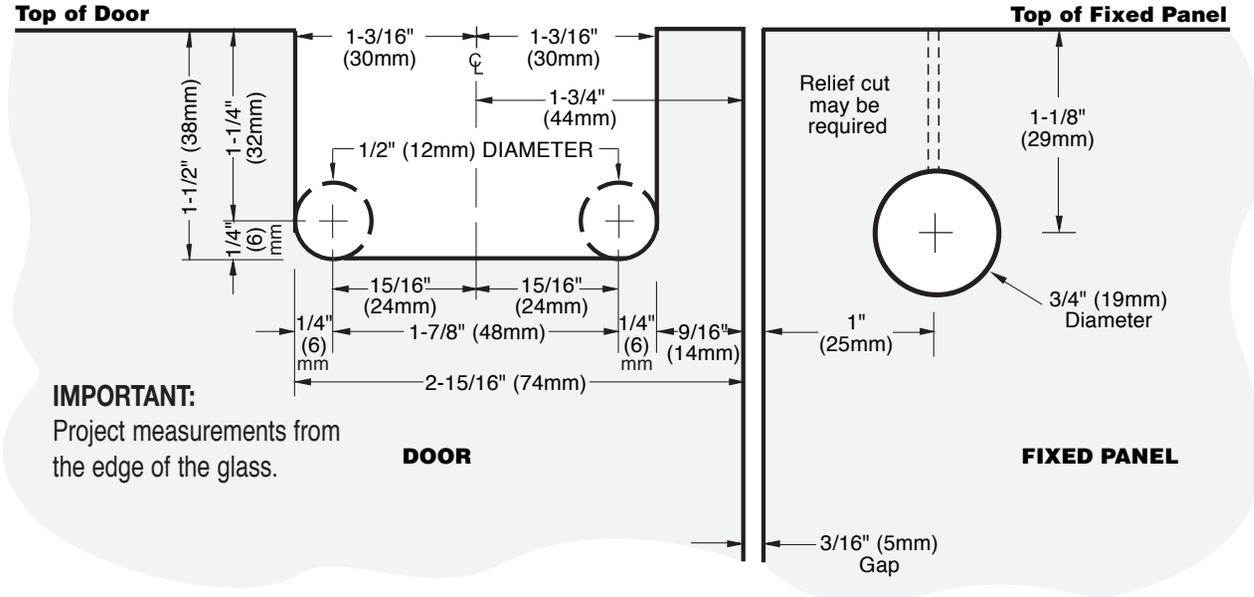
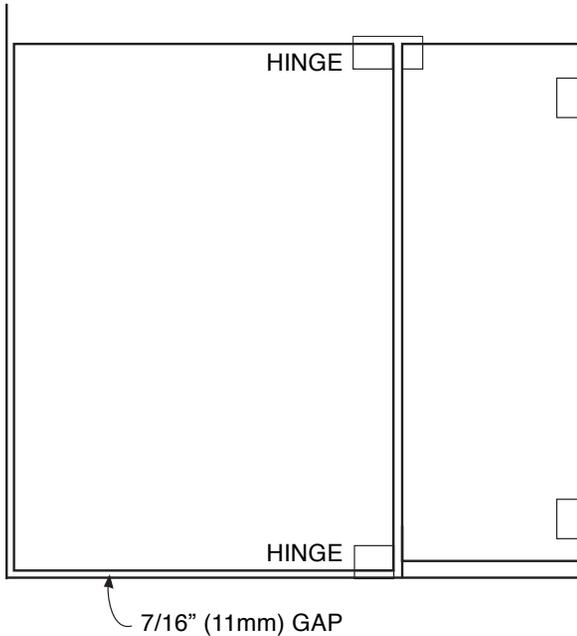
- Never use an abrasive cleaner on the hardware. Many of the components are coated with a clear lacquer that will be irreparably damaged if subjected to harsh, abrasive chemicals. Advise your customer that drying the hardware with a clean, soft towel on a daily basis is the best way to maintain the hardware. If mineral deposits build-up, mix a couple of drops of a mild liquid soap (such as Ivory or a similar product) into a cup of warm water. Using a soft, non-abrasive cloth, clean the hardware. Rinse thoroughly with clean, warm water and dry.



Important Information:

Do Not Fabricate Glass Prior to Qualifying for Design and Installation Criteria Shown on Page 4H-34D.

TYPICAL INSTALLATION

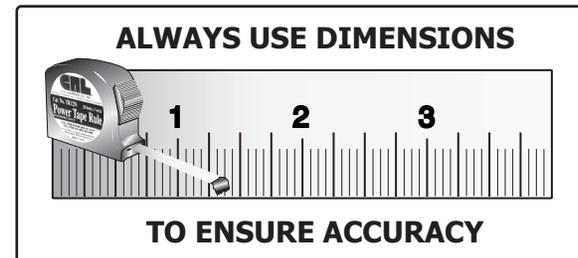


CARDIFF

Hinge with U-Clamp

CAT. No. CAR07

Edge Mount Preferred Method



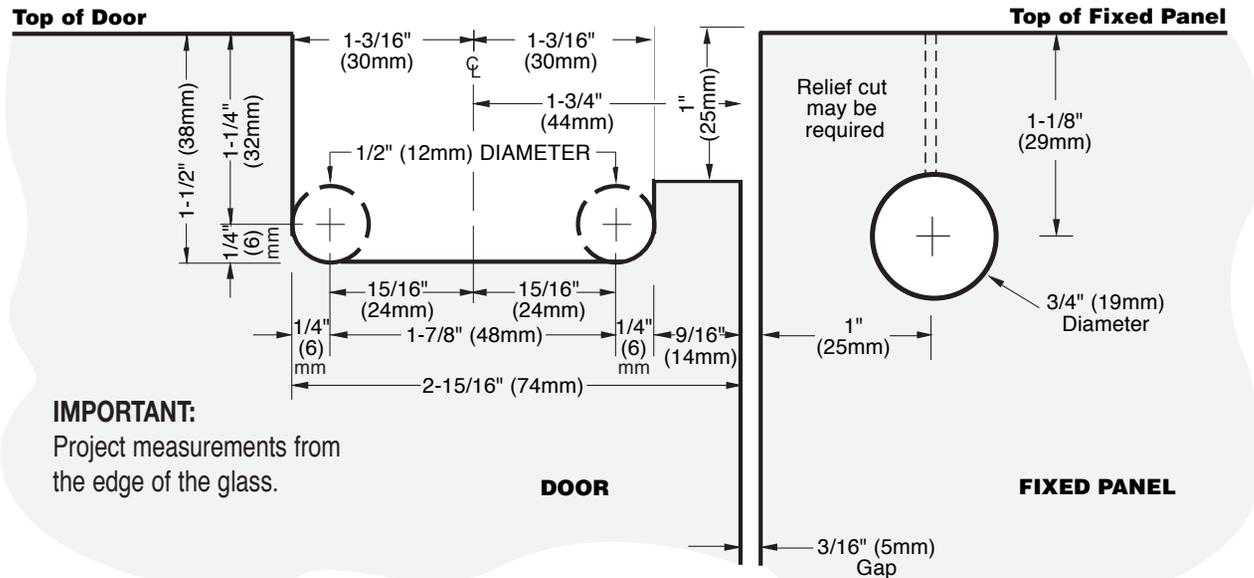
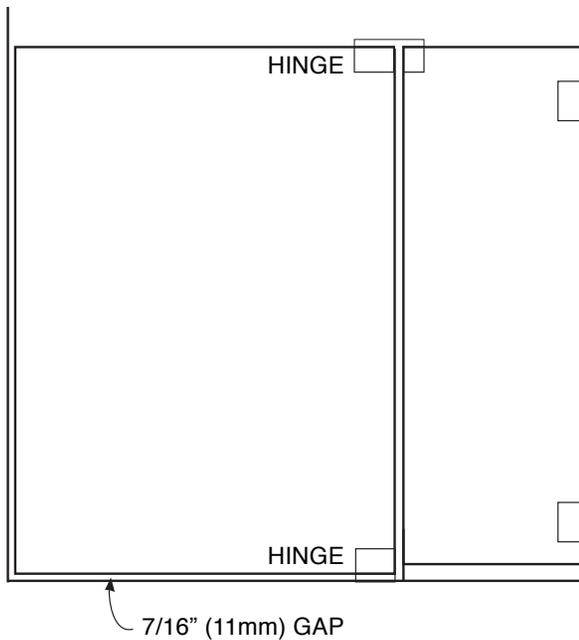


C.R. LAURENCE CO., INC.
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Important Information:

Do Not Fabricate Glass Prior to Qualifying for Design and Installation Criteria Shown on Page 4H-34D.

TYPICAL INSTALLATION

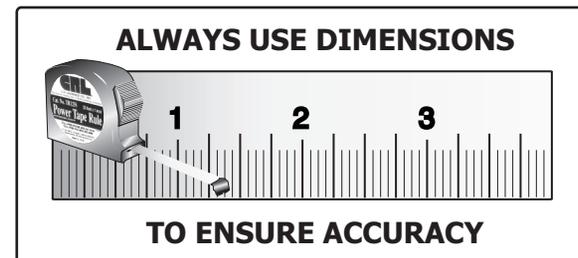


CARDIFF

Hinge with U-Clamp

Cat. No. CAR07

Edge Mount Alternate Method



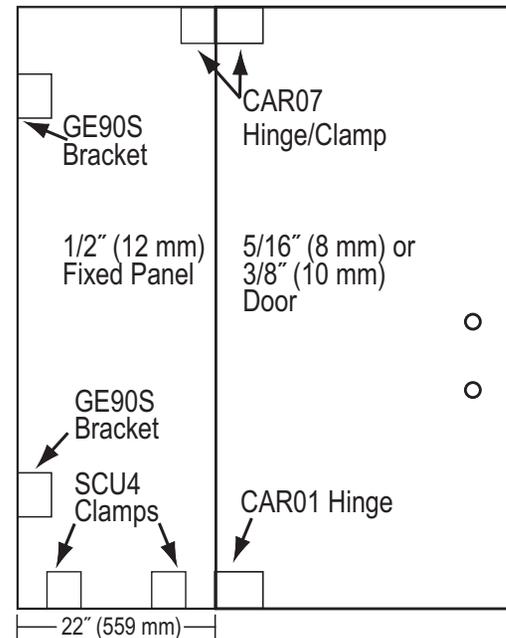


Cardiff Series Top or Bottom Mount Pivot Hinge With Attached U-Clamp For 5/16" or 3/8" (8 or 10 mm) Thick Tempered Door Glass

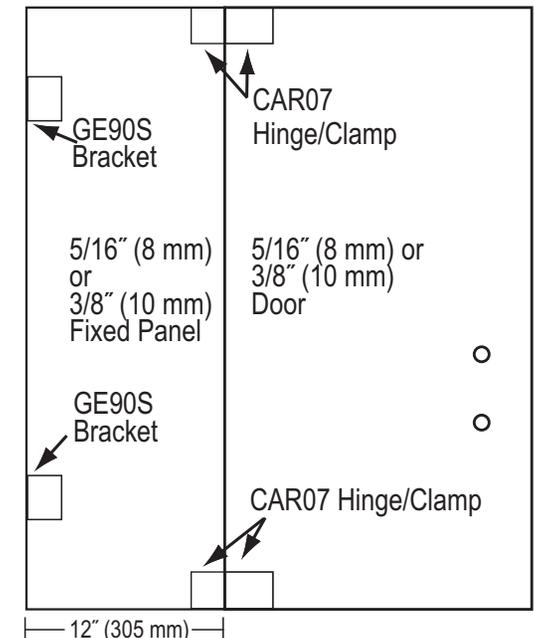
Design and Installation Criteria:

- Door Glass May be 5/16" or 3/8" (8 or 10 mm) Thick
- Fixed Panel May be 5/16", 3/8", or 1/2" (8,10, or 12 mm) Thick
- 5/16" or 3/8" (8 or 10 mm) Glass Fixed Panel From Which Door is Hinged/Clamped Can't Exceed 12" (305 mm) in Width, or 84" (2.13 m) in Height
- 1/2" (12 mm) Glass Fixed Panel From Which Door is Hinged/Clamped Can't Exceed 22" (559 mm) in Width, or 84" (2.13 m) in Height
- Door Width Not to Exceed 31" (787 mm)
- Door Weight Not to Exceed 100 Pounds (45 kg)
- Must Use GE90S Wall Mounting Brackets Fastened to the Vertical Wall on the Fixed Panel From Which the Door is Hinged/Clamped. A Minimum of Two Brackets Must be Used, Positioned no More Than 10" (254 mm) Down From the Top Edge of the Glass, and 10" (254 mm) Up From the Bottom Edge of the Glass.
- Only a Fixed Panel Fastened to a Vertical Wall Can be Used to Hinge/Clamp From. No Hinging/Clamping From a Fixed Panel Fastened to Another Fixed Panel.
- Fixed Panel From Which the Door Hinges/Clamps Must Have Valid Bottom Support (May be Other Clamps or U-Channel, Does Not Have to be GE90S Wall Bracket Referred to in Drawings). Panels Up to 12" Wide (305 mm) Require Only One Clamp (Clamp Attached to CAR07 is Adequate). Panels Over 12" Wide (305 mm), and Up to 22" (559 mm) Require Two Clamps at Bottom of Fixed Panel.

TYPICAL MOUNTING EXAMPLES



Typical Installation
Showing 22" Wide (559 mm)
1/2" (12 mm) Thick Fixed Panel
CAR01 Hinge Used at Bottom of Door



Typical Installation
Showing 12" Wide (305 mm)
5/16" or 3/8" (8 or 10 mm) Thick Fixed Panel
CAR07 Used at Top and Bottom of Door

CARDIFF Hinge with U-Clamp Cat. No. CAR07

4H-34D

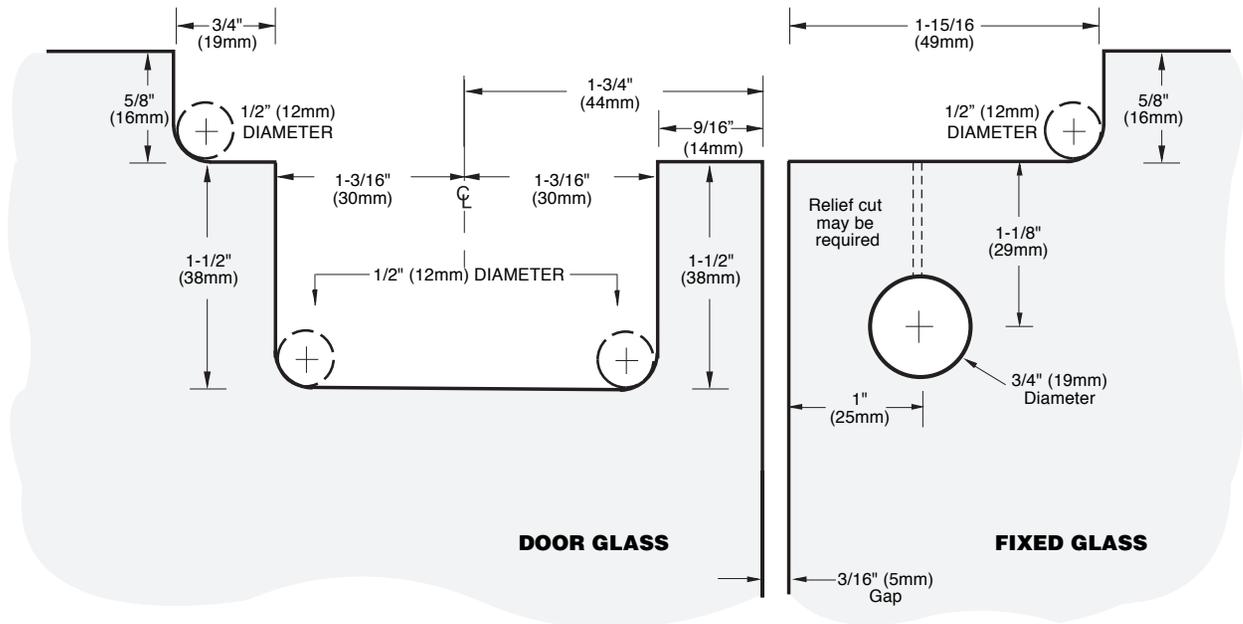
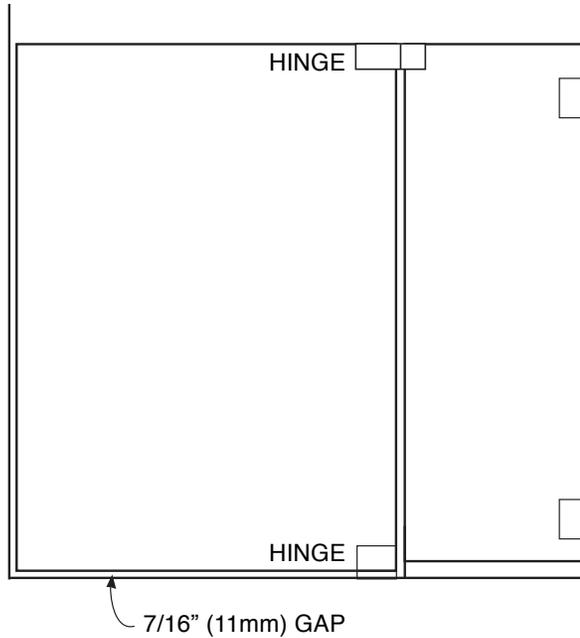


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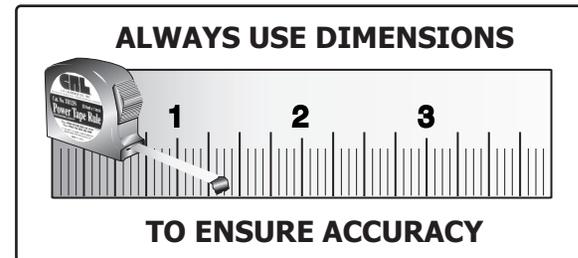
Important Information:

Do Not Fabricate Glass Prior to Qualifying for Design and Installation Criteria Shown on Page 4H-34D.

TYPICAL INSTALLATION



CARDIFF
Hinge with U-Clamp
Cat. No. **CAR07**
Top Flush Mount Method

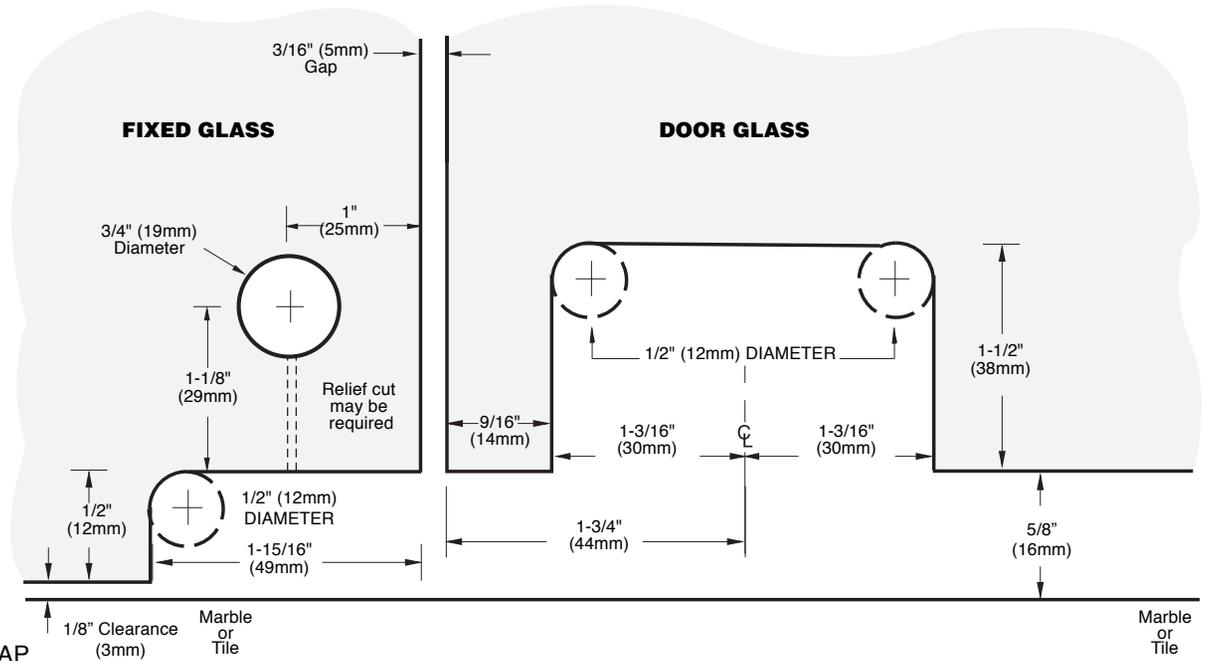
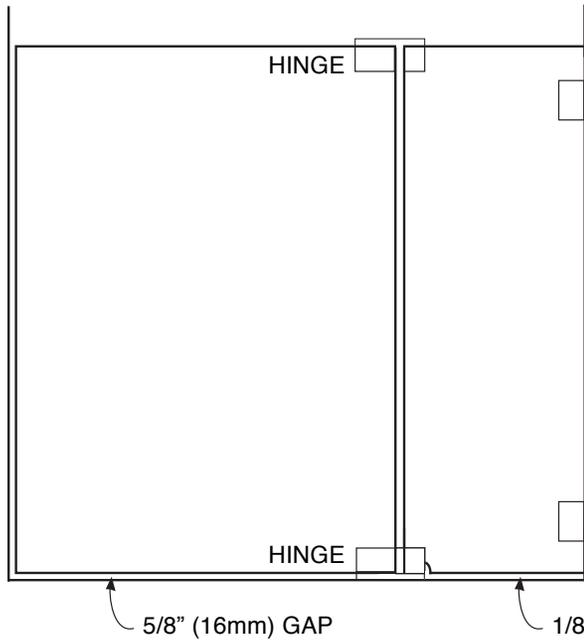




Important Information:

Do Not Fabricate Glass Prior to Qualifying for Design and Installation Criteria Shown on Page 4H-34D.

TYPICAL INSTALLATION



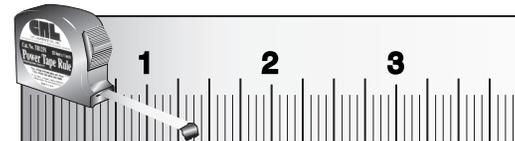
CARDIFF

Hinge with U-Clamp

Cat. No. CAR07

Bottom Mount Method

ALWAYS USE DIMENSIONS



TO ENSURE ACCURACY