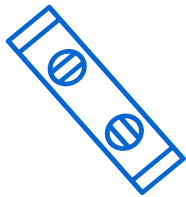# SURFACE MOUNTED SPIGOT GLASS RAILING SYSTEM

This installation guide offers helpful tips and step-by-step instructions for installing your Glassupply Surface Mounted Spigot Glass Railing System.
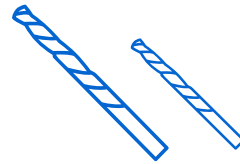
THE TOOLS YOU WILL NEED

Below is a summary of the basic tools you'll need. In addition you'll find what tools to use for each product in the following step-by-step instructions. It is suggested to wear safety glasses when using power tools.
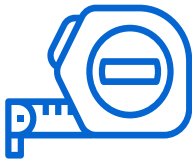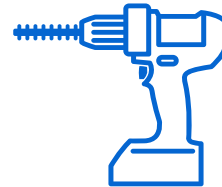
LEVEL

ALLEN KEY

1/8'' AND 5/16'' DRILL BITS
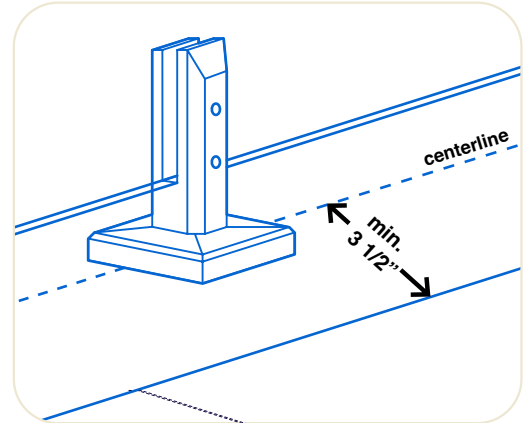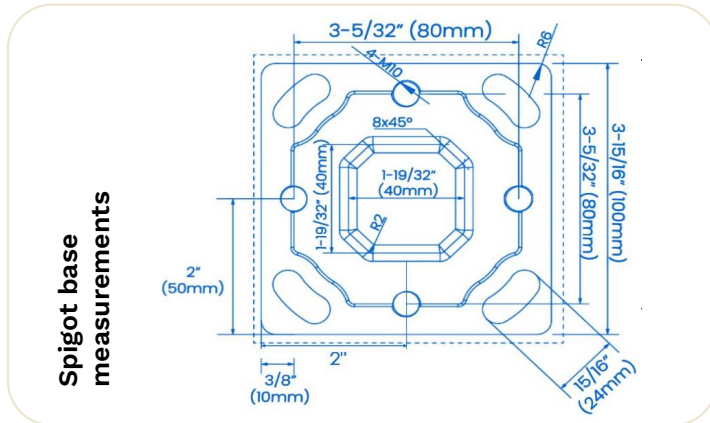
MEASURING TAPE

PENCIL

POWER DRILL

IMPACT DRIVER

INSTALLATION STEPS

This model is fully reversible. The right wall installation is shown in the following installation steps. For left wall installation, simply reverse the orientation of your installation and begin on the opposite wall.

Spigot base measurements
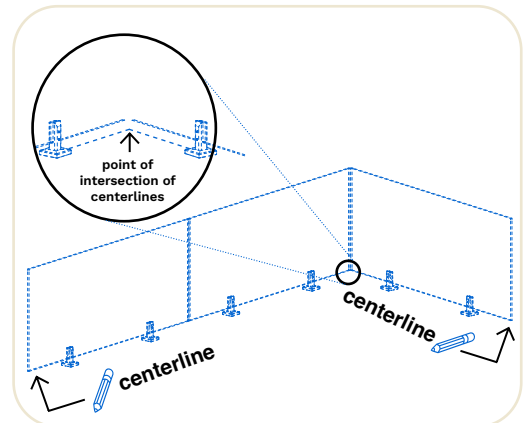

1 MARK THE RAILING CENTERLINE

Mark the railing centerline across the whole span. For a multiple section install, the centerlines of each span have to be marked.

💡 Use a string line or a chalk line to mark your centerline.
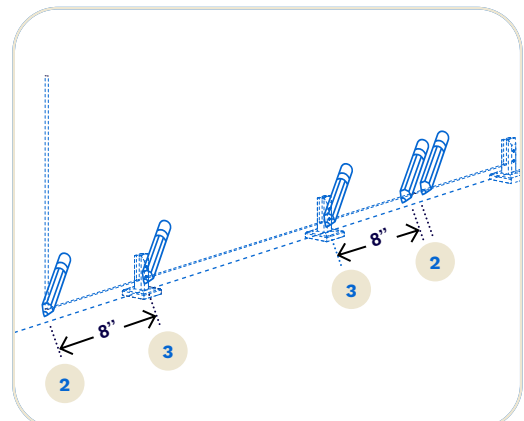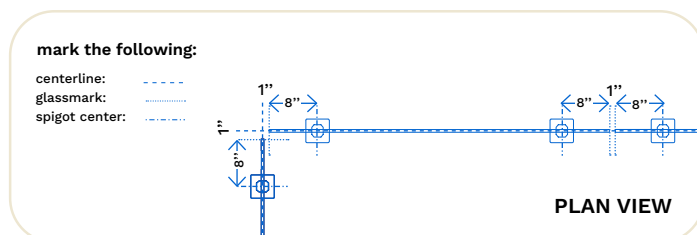
2 MARKING THE GLASS PANELS POSITION

Use your **project custom layout drawing** to identify each glass panel position. Mark the starting and finishing point of each glass panel along the railing centerline. Make sure to account for proper gaps between each glass pane.

3 MARKING THE SPIGOTS POSITION

Measure 8" from the glass panel starting and finishing point, Mark the spigot center. For door spacing, refer to step 8: Door installation.

mark the following:

centerline: – – – –
glassmark: ·········
spigot center: –·–·–·–

PLAN VIEW

4   INSTALLING THE SPIGOTS

a. Place the Spigot on top of the 1/8" thick metal base plate, Align your spigot across the railing centerline and on its respective reference mark done in step 3.
Mark the 4 anchor points.

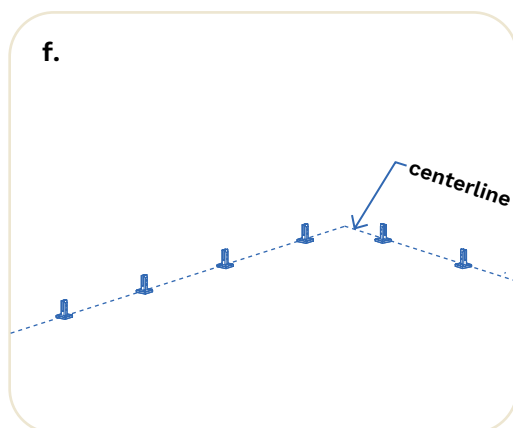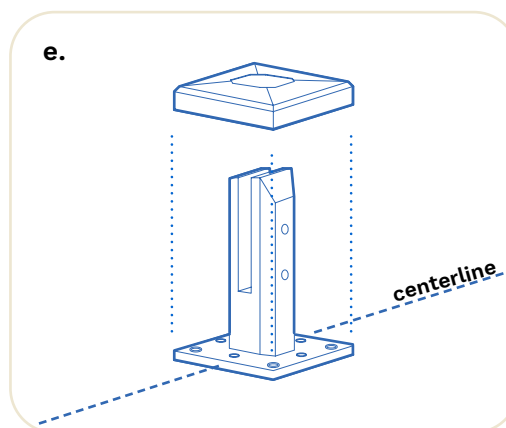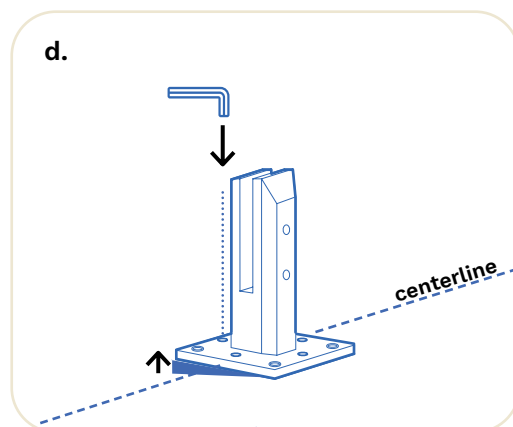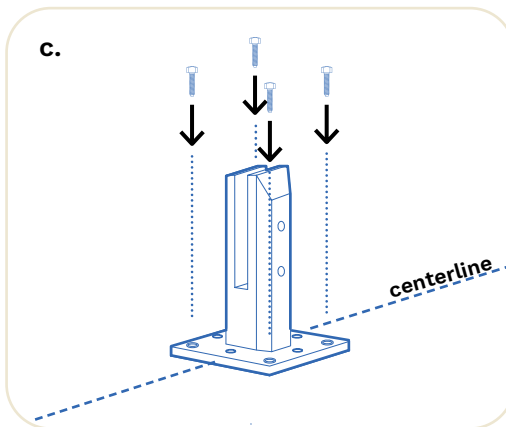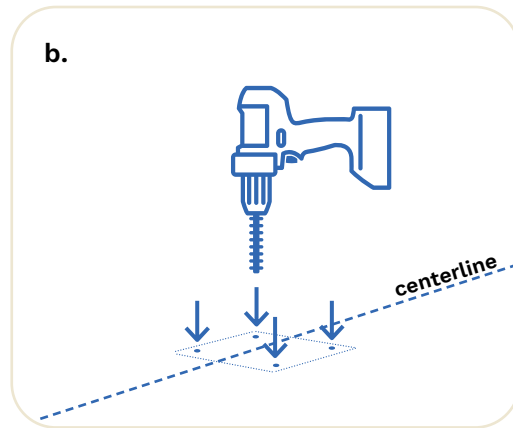**b.** Pre-drill the lag head screw holes with appropriate drill bit size.
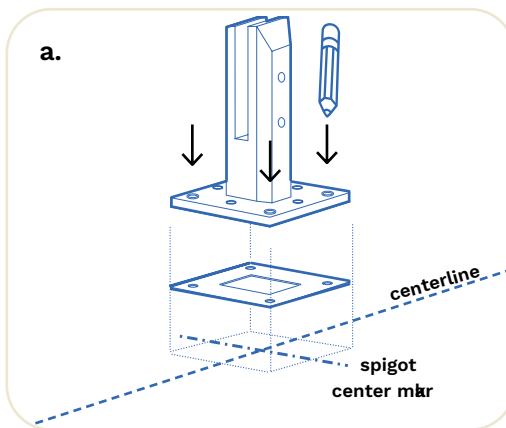**c.** Secure the spigot in place by inserting 4 lag head screws into the previously drilled holes.
d. Use the 4 Allen key adjustment screws to level the spigot.

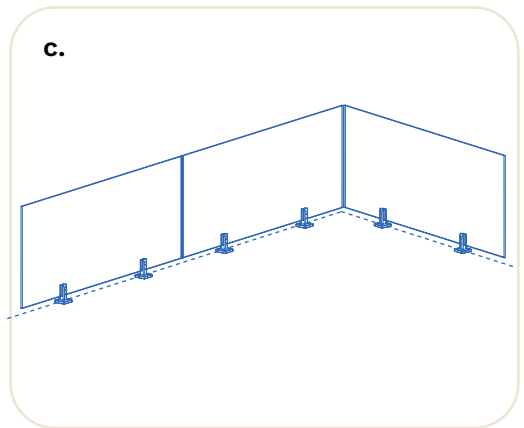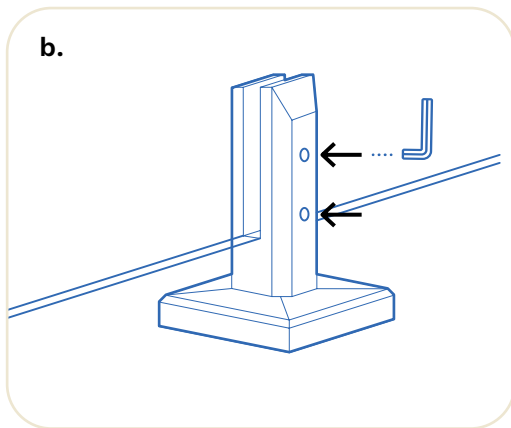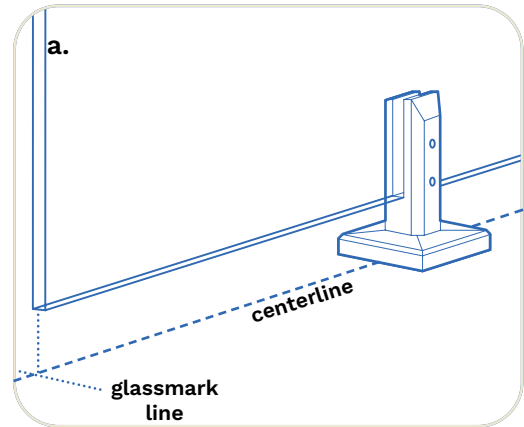Tighten the 4 lag head screws firmly.

e. Put the spigot cover in place.
f. Repeat step 3 to 4 for each spigot.

a.

centerline

spigot
center mark

b.

centerline

c.

centerline

d.

centerline

e.

centerline

f.

centerline

5 INSTALLING THE GLASS

Note: it is important that each spigot is well aligned on the centerline and that they are plumb and level to ensure that each glass panel slides in place smoothly.

a. Align the glass panel so it is flush with your mark done in step 2.

b. Secure the glass panel into the spigot. Tighten the Allen key screws.

c. Set in place every glass panel all along the span.

a.

centerline

glassmark line

b.

c.

6 ADJUSTING THE GLASS

a. Adjust the glass panels until it is leveled and that the proper gaps are obtained all around the perimeter of the glass.

💡 Tip: Loosen the Allen key screws and use clear setting blocks provided in the installation kit to adjust the glass. Make sure to tighten the Allen key screws when done

b. Perform final adjustments until the Glass panels are aligned and that there is an even reveal between glass.
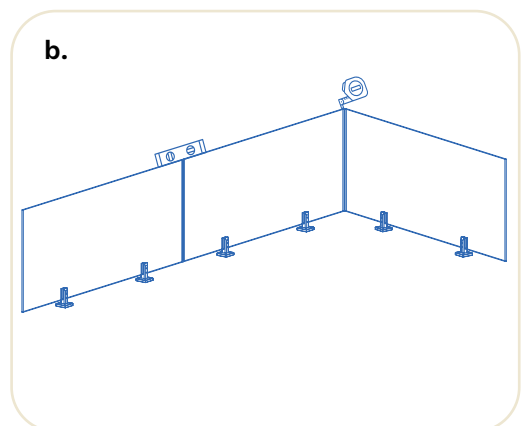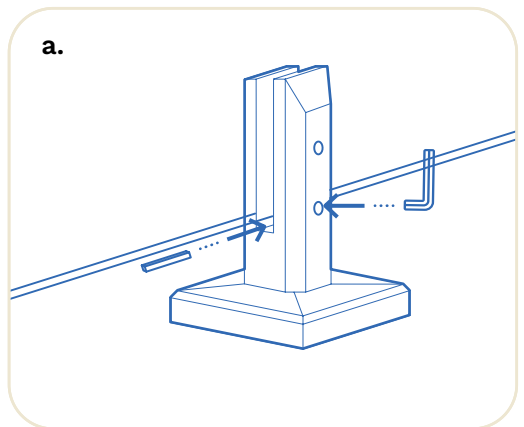
💡 Tip: Installing the glass to glass clamp in step 7 will help to align the top part of the glass together.

Note: Our Surface Mount Spigot package includes multiple gasket thickness inserts that can accommodate glass panels ranging from 3/8" (10 mm) to 9/16" (13.5 mm) thick.

We recommend adding:

1 gasket for 1/2"
2 gaskets for 3/8"
no gasket for 9/16"

see product pictures and spec sheet for more details

a.

b.

7 INSTALLING THE GLASS-TO-GLASS CLAMPS

In this example, we use **glass-to-glass clamps without a top rail**, though a **top rail or handrail** can also be used with this glass railing system.

You can customize your configuration directly in our **Interactive Railing Planner** or by speaking with a **technical sales representative**.
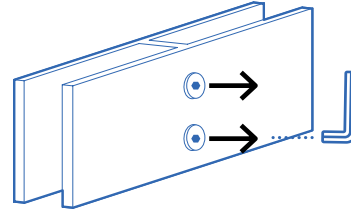
a. Loosen the **Allen key screws** on the clamp.

b. Slide the clamp down into position and set it at the desired height. We recommend a **2¼" gap** from the **top of the glass** to the **top of the clamp**.

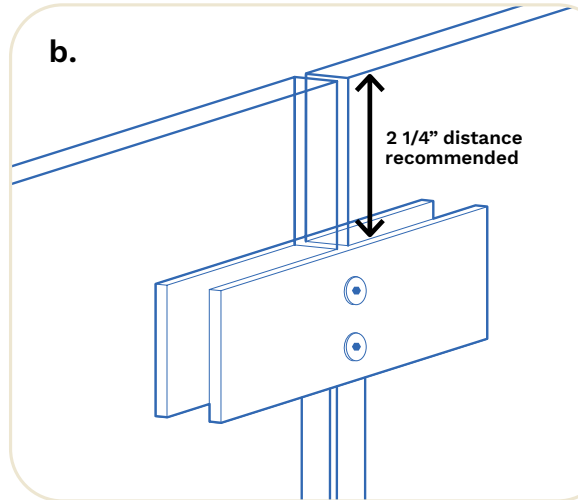**c.** Manually tighten the clamp on the **inner face** to secure it in place.

The **2¼" spacing** is based on our **load-tested standard**. However, some installers choose to place the clamp **directly at the top edge** of the glass—this can help **hide minor height differences** between panels.

Note: Installing the clamp lower than 2¼" is **not recommended**, as structural tests were conducted using this spacing.

a.

b.

2 1/4" distance recommended

c.