FRAMELESS GLASS RAILING INSTALLATION GUIDE

Base mounted spigots system

This guide provides you with tips and step-by-step instructions on how to install your Glass & Mirror frameless glass railing.

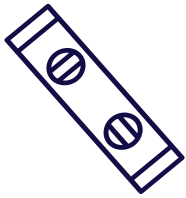**Customer support:**
support@glassandmirror.ca
1-888-225-4392

GLASS & MIRROR

BEFORE YOU BEGIN

1   Examine all packages for shipping damage and validate your piece count with packing list for your model in this manual as a reference. If your package is damaged or parts are missing, please contact Glass & Mirror's customer support within 3 business days from delivery.

2   Make sure to comply with your local building codes regarding compliance with applicable building code. Glass & Mirror is not responsible for code compliance and will not accept any returns in this regard.

3   Due to the weight and nature of glass panels we recommend a two-person lift when moving the panels.

4   When moving and storing the glass it is vital that the glass edges never make contact with hard surfaces such as concrete.

5   The safety of any installation is the responsibility of the installer. Professional installation and/or supervision is recommended.

6   We recommend the following safety gear when handling glass: Safety Glasses, safety boots, work and gloves.
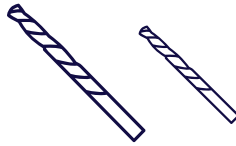
THE TOOLS YOU'LL NEED

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.
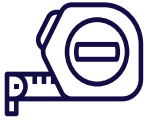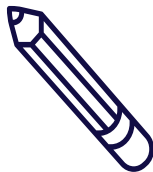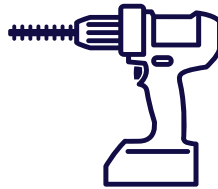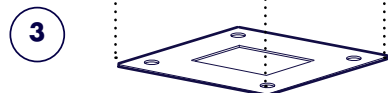
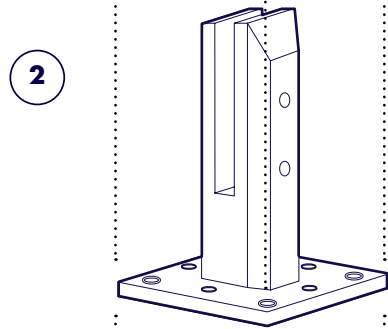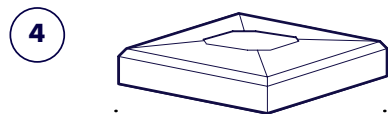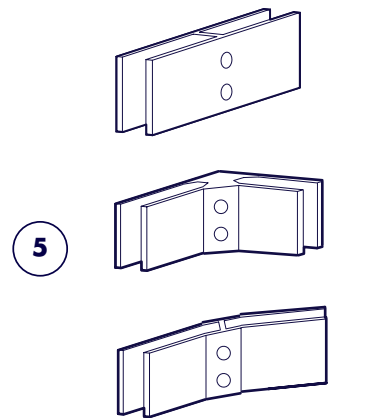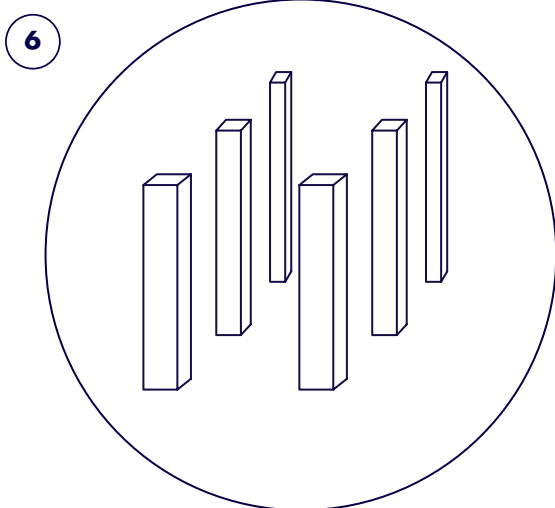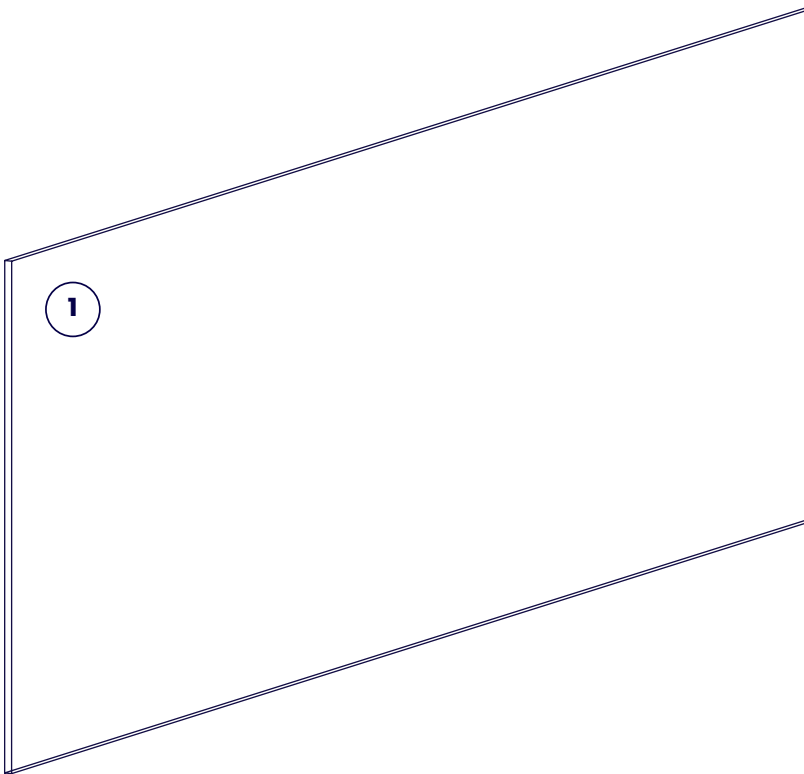level   Allen key   1/8'' and 5/16'' drill bits

measuring tape   pencil   power drill

FRAMELESS GLASS RAILING COMPONENTS

1. Glass pannel
2. Glass spigots
3. Spigot base plate

4. Spigot cover
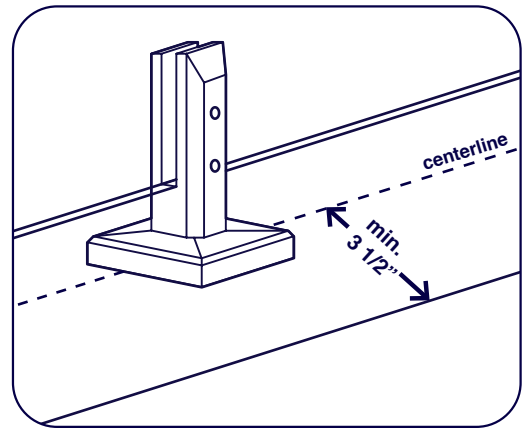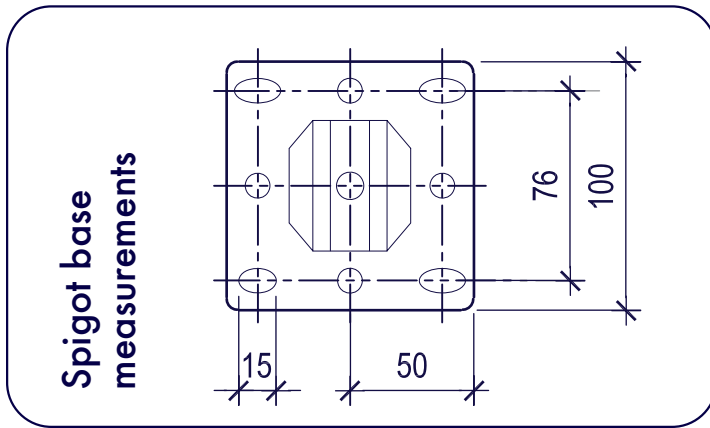5. Railing clamps
6. Setting blocks

INSTALLATION STEPS

This installation guide will take you through all of the steps that are required to install a frameless glass railing system using base mounted spigots.

IMPORTANT NOTES

•For installation on wood deck surfaces, spigot screw holes must be aligned with proper deck blocking. Before installing the spigots, make sure to install blocking where required.
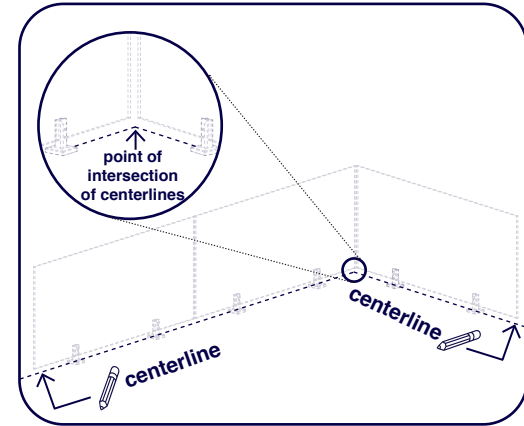
•For installation on concrete surfaces, we suggest allowing a min 2" gap from the concrete slab edge to the closest spigot drilling hole, which will bring the centerline of your spigot (and therefore your glass fence centerline) to about 3-½" away from the edge.

Spigot base measurements

76
100
15
50

centerline
min. 3 1/2"

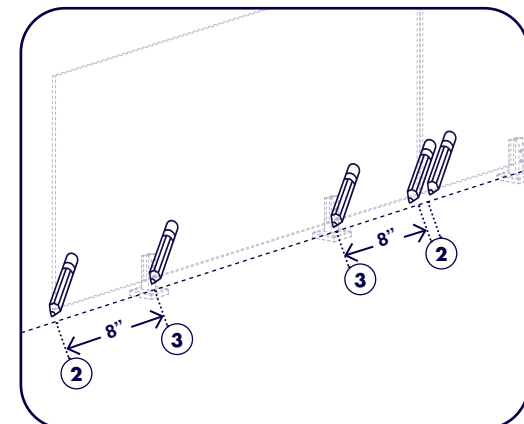### 1   MARK THE RAILING CENTERLINE

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

Tip: Use a string line or a chalk line to mark your centerline.

point of intersection of centerlines
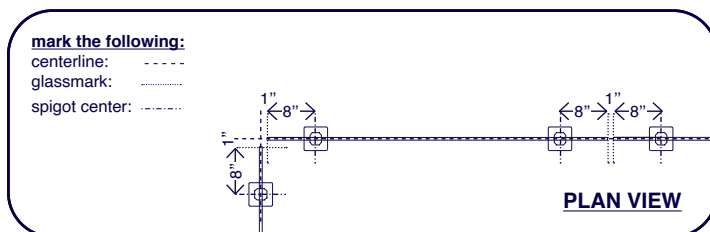centerline
centerline
centerline

2   MARKING THE GLASS PANELS POSITION

Use your plan PDF 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.

mark the following:
centerline: ─────
glassmark: ··········
spigot center: ─·─·─·

1" 8"   8" 1" 8"
8"

PLAN VIEW

8" 2
3
8"
2
3

(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.

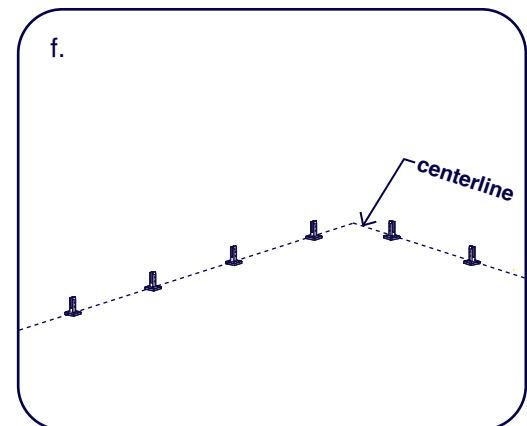b. Pre-drill the lag head screw holes with appropriate drill bit size.
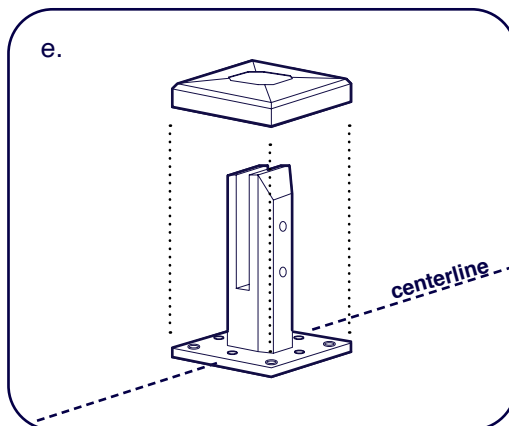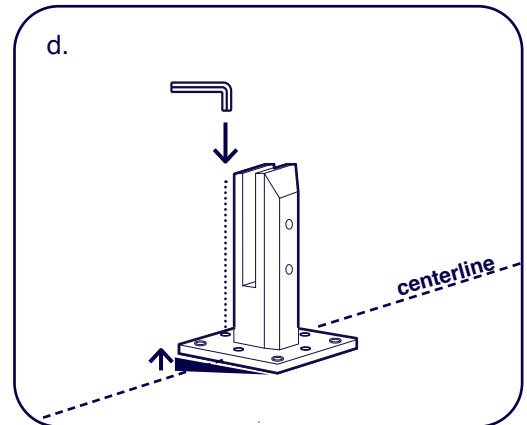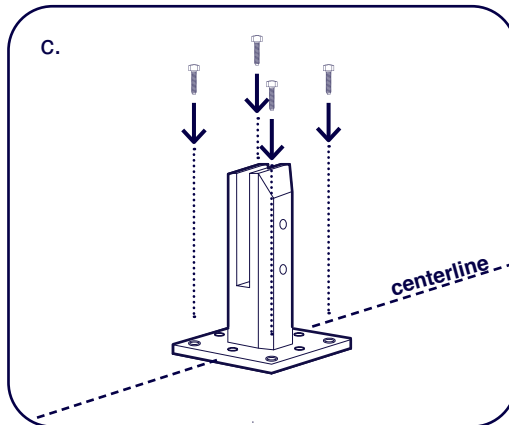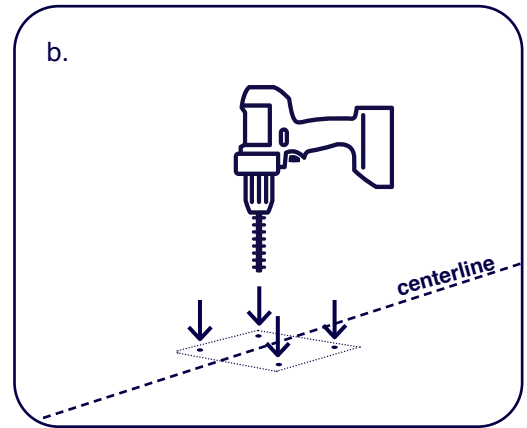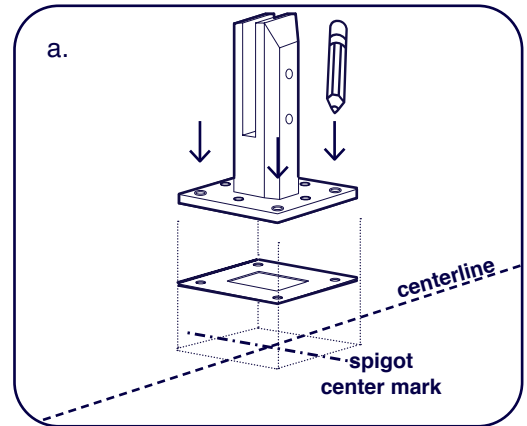
c. Secure the spigot in place by inserting 4 lag head screws into the previously drilled holes.

d. Use the 4 Allen key adjustment screws to level the spigot.

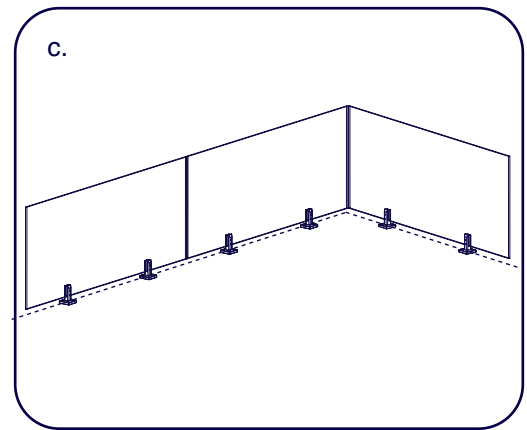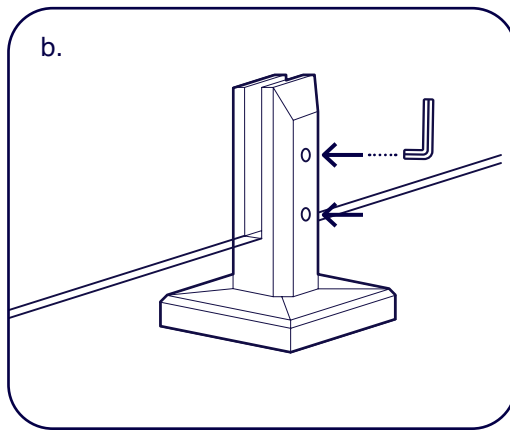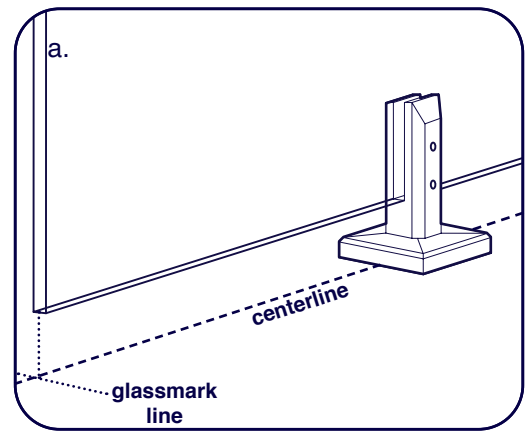Tighten the 4 lag head screws firmly.

e. Put the spigot cover in place.

f. Repeat step 3 to 4 for each spigot.

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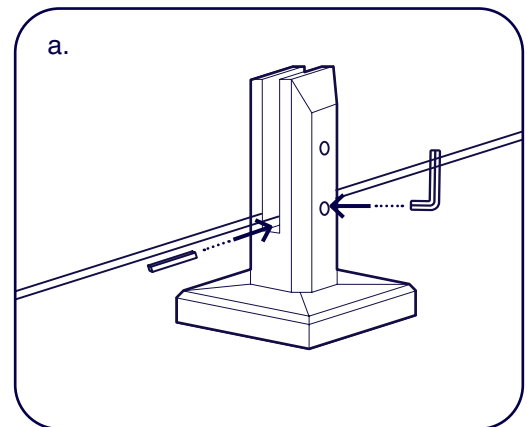
a. Align the glass panel so it is flush with your mark done in step 2.

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.

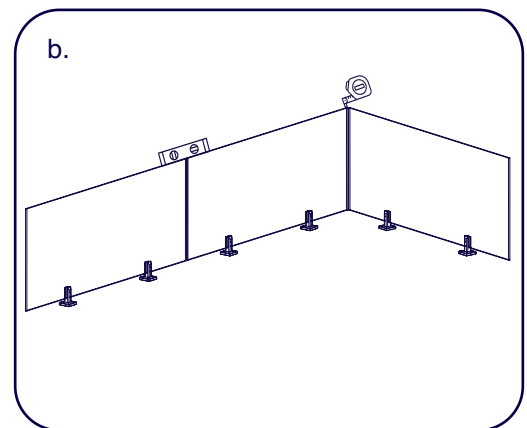centerline

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.

a.

b.

⑦ INSTALLING THE GLASS TO GLASS CLAMPS

a. Loosen the Allen key Screws.

b. Slide down the clamp in place. Set the clamp at desired height. We recommend a 2 1/4" gap from the top of the glass to the top of the clamp.

d. Manually tighten the inner face of the fixed clamps.

💡 Tip: Make sure the gaskets are well positioned on both sides of the clamps before tightening the screws.

a.

b.

2 1/4" distance recommended

c.