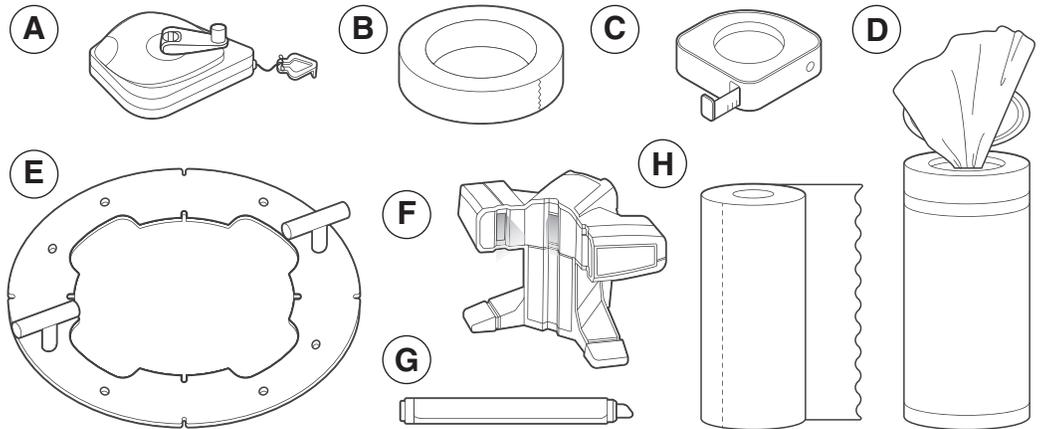


# Magnetic Breakaway Swing Gate

for smooth, non-porous surfaces (such as terrazzo or marble)

You will need the following tools:

- A. Chalk Snap Line
- B. Masking Tape
- C. Tape Measure
- D. Rubbing Alcohol Wipes
- E. Floor Plate Template  
(Sold Separately)
- F. Laser Layout Tool
- G. Chalk Marker
- H. Lint-Free Towels

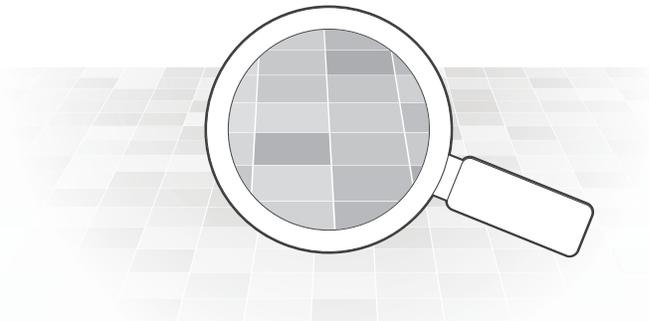


STEP

1

## Assess Floor Condition

Assess the floor surface to make sure it is free from indents and abrasions wherever stanchions will be mounted. Floor surfaces must be flat, smooth, and even for the adhesive to work properly.



STEP

2

## Prepare Floor Surface

Sweep the floor surface of all debris. Wash floor if needed. Do not use harsh chemicals. Allow surface to completely dry before proceeding.



STEP

**3**

## Create Layout for One Side of the Gate

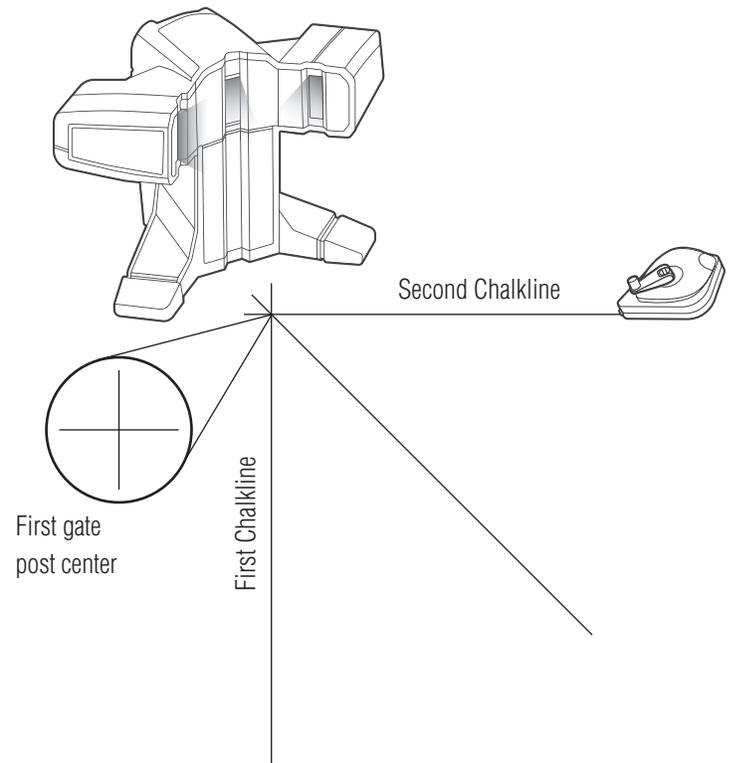
Determine the approximate position of the gate, which is approximately 42" long once assembled.

Using a laser layout tool and tape measure, determine the location of the stanchion the first half of the gate will be connected to. Mark the post center position onto the floor surface by snapping a chalk line. This will mark the center line of the post for the first half of the gate.

Now mark a perpendicular line using the method above to create the second chalkline that will designate the location for the center of the stanchion the first half of the gate will be connected to.

When finished, the first gate stanchion post center is where the parallel and perpendicular chalk lines cross.

We recommend blue chalk for white or light-colored floors, because it won't stain the surface. White chalk is good for dark-colored floors.



STEP

**4**

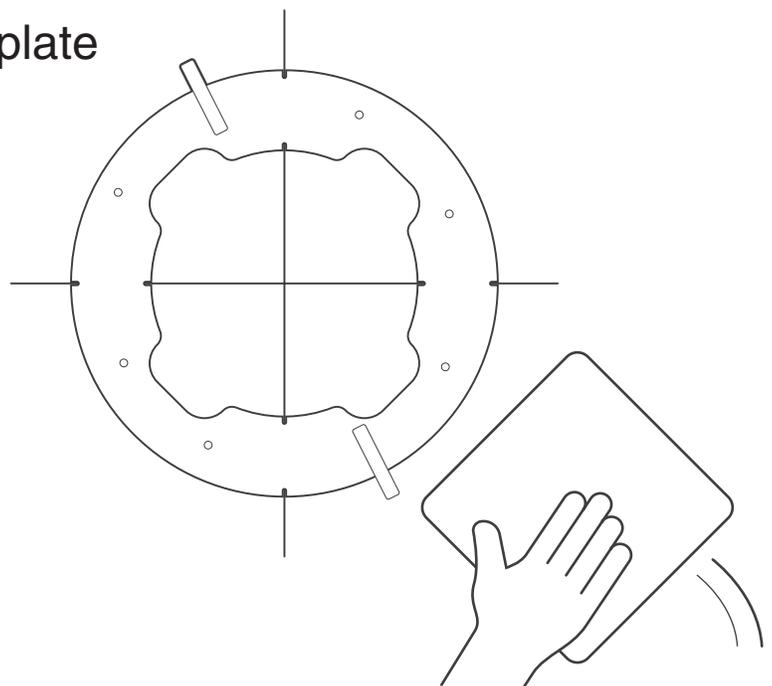
## Position Floor Plate Template

Place template over center mark on floor surface, aligning 4 crosshair notches on inner/outer ring of template with the chalk lines on the floor.

Hold the template in place with one hand, then clean the floor surface in the exposed area of the template using the rubbing alcohol wipes.

If needed use multiple wipes until mounting surface is completely clean of chalk residue, dirt, oil, and grime.

Let surface dry before proceeding.



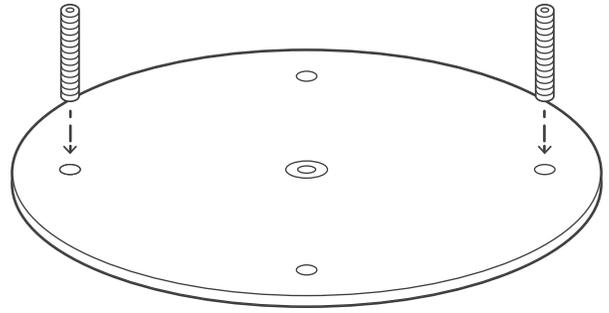
STEP

5

## Insert the Set Screws

Locate any two opposing exterior pre-drilled holes on the floor plate and insert the set screws. These will help align the stanchion on the plate and will be removed later.

NOTE: Insert the two set screws approximately  $\frac{1}{2}$  a turn to connect to the floor plate. Do not fully thread the set screws into the pre-drilled holes.



STEP

6

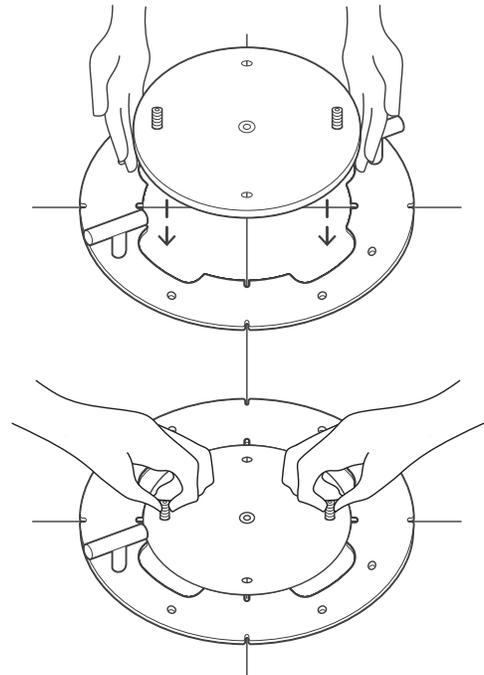
## Affix First Floor Plate

Carefully remove backing from floor plate to expose adhesive.

NOTE: The 3M adhesive used on the floorplate is industrial strength. Once applied it cannot be repositioned.

Holding the floor plate with the exposed adhesive side down, and the set screws in place on top, use the set screws as handles to align the floor plate over the template so that one chalkline is visible through the two empty holes. Gently drop the plate, adhesive side down, into the opening of the template.

Press down firmly on plate to spread glue, using caution to avoid stepping on the inserted set screws, then remove template.



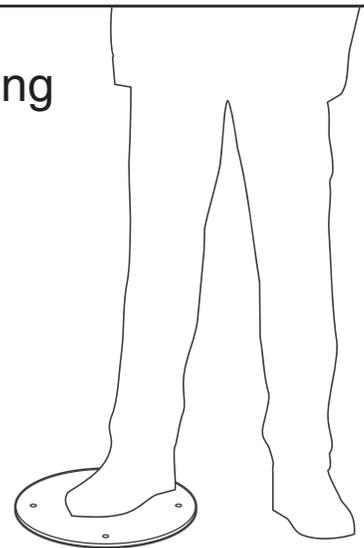
STEP

7

## Allow Floor Plates to Fully Cure Before Using

Floor plate adhesive reaches maximum effectiveness when fully engaged with mounting surface.

To fully engage adhesive, step/tap on entire plate with full weight for 30 seconds or more to spread glue evenly across surface.



STEP

8

## Attach the Stanchion to the Floor Plate

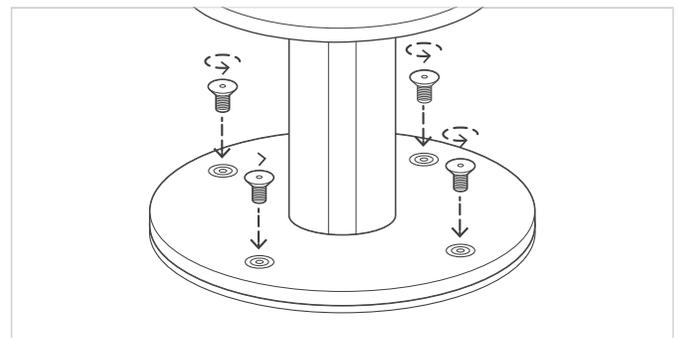
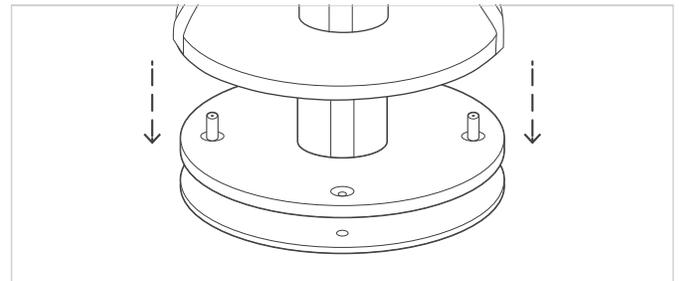
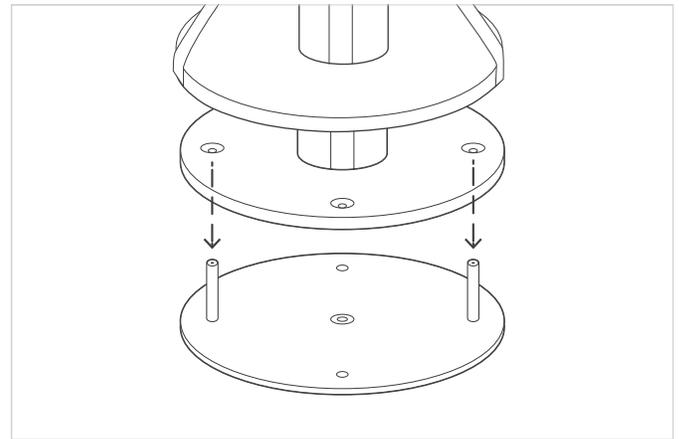
Check to see if the base cover is on the stanchion. If it is, gently lift the cover up and tape it to the stanchion to provide access to the stanchion base.

Position the stanchion so that the pre-drilled holes on the base line up with the set screws on the floor plate.

Attach the stanchion to the floor plate by positioning the base over the floor plate with set screws and slide into place. Remove the set screws.

Insert the included 14-28 flat head socket screws into the four pre-drilled holes on the base of the stanchion, then tighten to secure the base to the floor plate.

Remove tape from base cover and slide cover back down over the stanchion base.

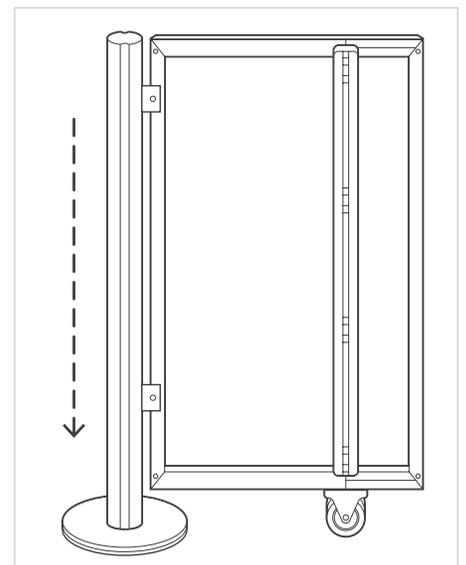
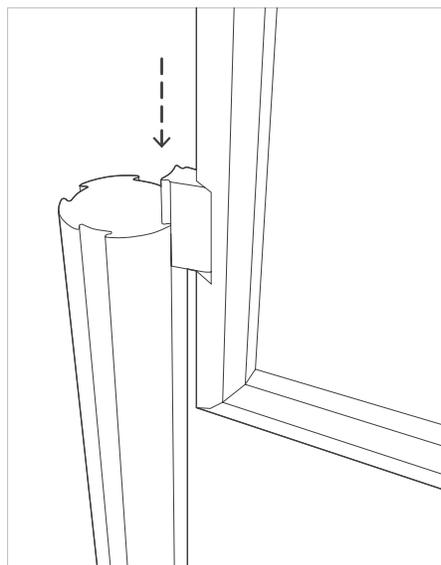


STEP

9

## Install First Gate

Slide the hinges on the side of the gate into the post's groove. Slide the gate down until it is in position with wheel firmly on the ground.

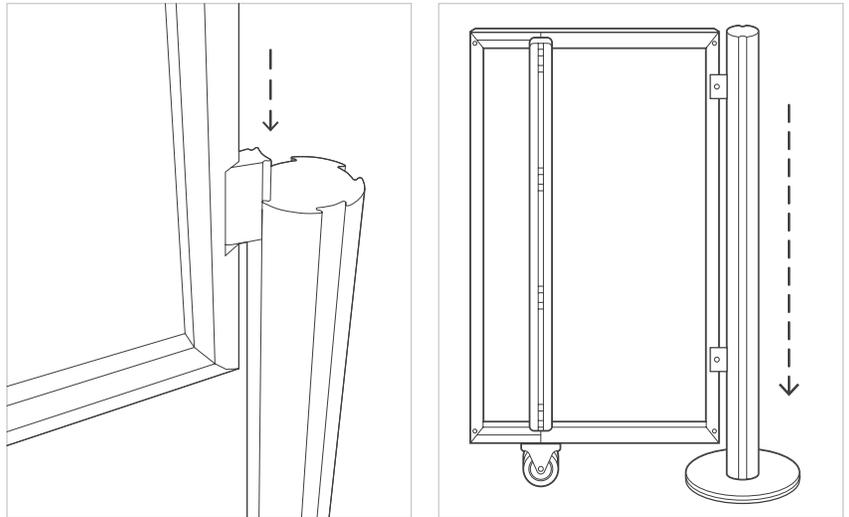


**STEP 10**

**Attach Second Gate to the Second Post**

To determine the position of the second post, we will temporarily assemble the second gate. Slide the hinges on the side of the gate into the post's groove. Slide the gate down until it is in position with wheel firmly on ground.

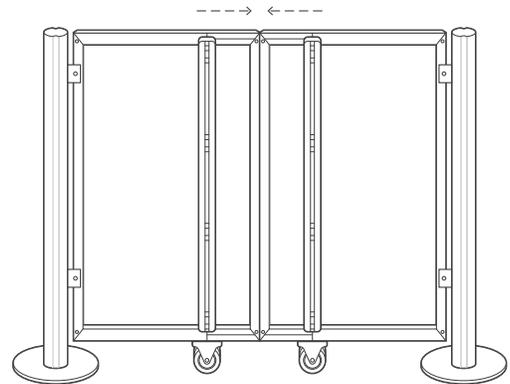
Check to see if the base cover is on the stanchion. If it is, gently lift the cover up to expose the stanchion base, and tape the base cover to the stanchion, in order to provide access to the stanchion base.



**STEP 11**

**Attach Two Sections of Gates to Each Other**

Align opposing magnets on each end of gate halves until they snap together, forming one long gate.

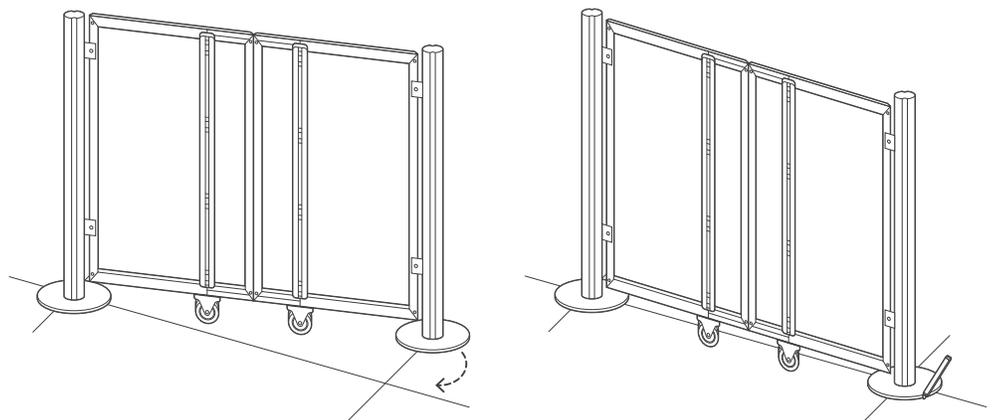


**STEP 12**

**Position the Second Stanchion for Proper Mounting**

Swing the gate assembly so that the “free” stanchion is positioned over the chalk line. The stanchion base should be centered on the chalk line.

Once the stanchion is in place, use the chalk marker to draw the position around the stanchion base.



STEP

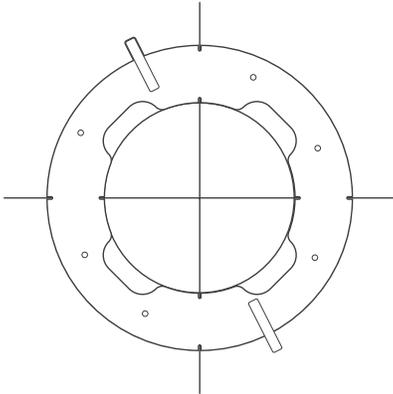
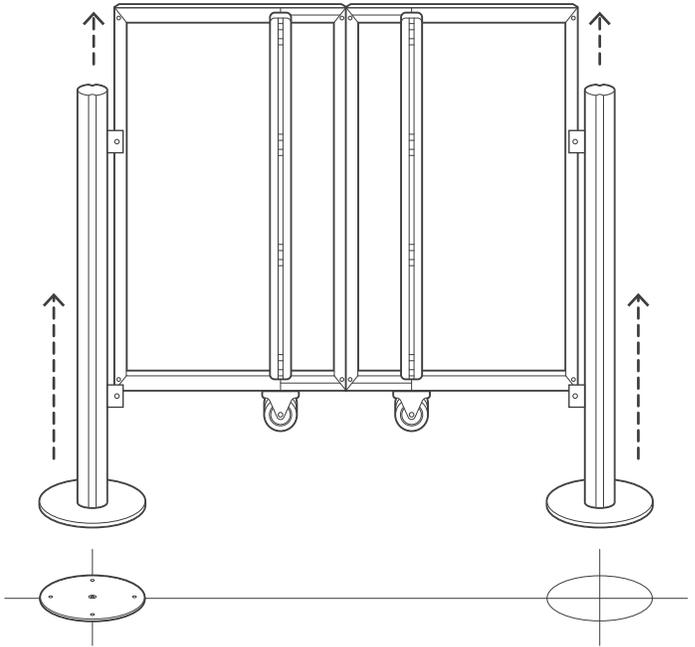
**13****Gently Disconnect the Gates and Position Floor Plate Template**

We will now disassemble the gate to prepare for mounting the second stanchion's base plate, and allow the adhesive to cure.

Slide the first gate off of the first stanchion post, remove the screws from the base, and lift the first stanchion off of the floor plate, place in a safe area.

Slide the second gate off of the second stanchion post, then move the second stanchion out of the way, being careful not to smear the chalk outline on the floor.

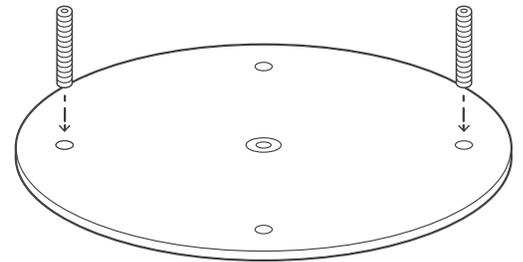
Place the template down with the chalk circle inside the center of the template. Align two of the crosshair notches on inner/outer ring of the template with the chalk line on the floor.



STEP

**14****Insert Set Screws for Second Floor Plate**

Locate any two opposing exterior pre-drilled holes on the floor plate and insert the set screws. These will help align the stanchion on the plate and will be removed later.

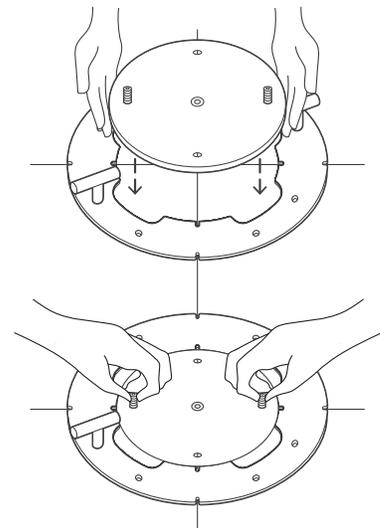


**STEP 15** Affix Floor Plate onto Floor Surface

Carefully remove the backing from floor plate to expose adhesive. Line up the pre-drilled holes on the floor plate with the chalk lines to position the plate properly. You should be able to see the chalk lines through the holes on the Plate.

When aligned to your satisfaction, gently drop the plate, adhesive side down, into opening of template. Press down firmly on plate to spread glue, then carefully remove the template.

The chalk lines should be visible through the pre-drilled holes

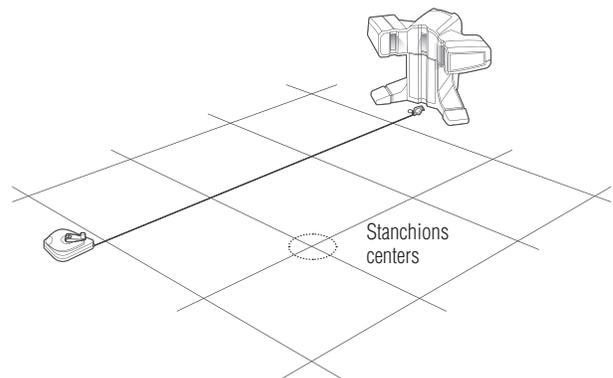


**STEP 16** Layout Remainder of Queue

If adding a queue, use a laser layout tool and tape measure to determine position of all parallel rows to the first row, and mark onto the floor surface by snapping a chalk line.

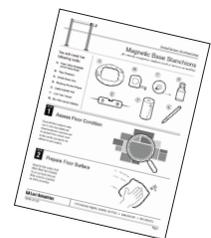
Mark perpendicular stanchion rows using the method above.

When finished, stanchion centers are where parallel and perpendicular chalk lines cross.



**STEP 17** Install Remainder of Queue Floor Plates

Please refer to Magnetic Base Stanchion Installation Instructions for complete directions.

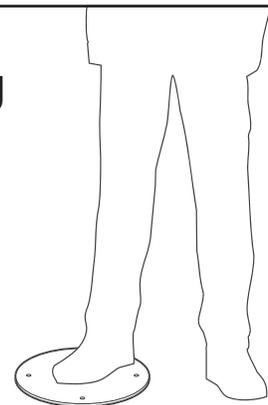


**STEP 18** Allow Floor Plates to Fully Cure Before Using

Floor plate adhesive reaches maximum effective-ness when fully engaged with mounting surface.

To fully engage adhesive, step/tap on entire plate with full weight for 30 seconds or more to spread glue evenly across surface.

**HINT:** Must allow plates to fully cure before moving on to the next step.



**STEP 19** Re-Install First Half of Gate

Locate two opposing exterior pre-drilled holes on the first gate floor plate and insert set screws.

Check to see if the base cover is on the gate stanchion. If it is, gently lift the cover up and tape it to the stanchion post to provide access to the stanchion base.

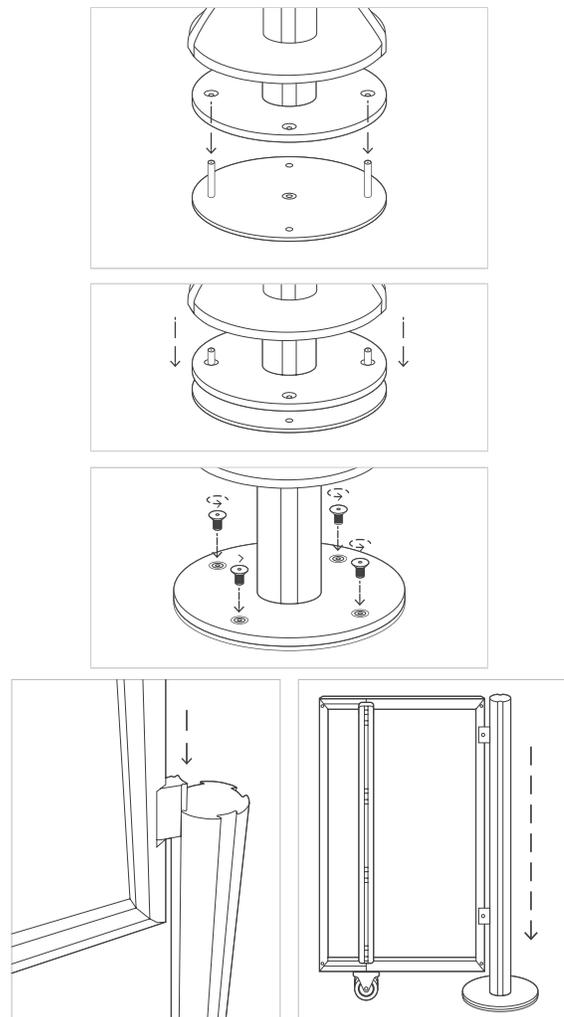
Position the stanchion so that the pre-drilled hole on the base lines up with the set screws on the floor plate.

Attach the stanchion to the floor plate by sliding over set screws until base clicks into place. Remove set screws. Insert the included 14-28 flat head socket screws into the four predrilled holes on the stanchion base, then tighten to secure the base to the floor plate.

Gently slide the cover plate down the stanchion, until it is in place over the stanchion base.

Slide the hinges on the side of the gate into the post's groove. Slide the gate down until it is in position with wheel firmly on ground.

**HINT:** If this post will be a belted post, make sure the belts face away from the installation.



**STEP 20** Re-Install Second Gate

Repeat Step 18 for second half of gate.

**STEP 21** Secure the Gates

Locate the screws on the side of the gate hinges, and tighten using a 5/32 allen wrench. Be careful to not over-tighten. This step helps to further secure the hinges to the post.

The gates will maintain a magnetic connection with up to a 1/8" gap

A 5-7 lbs force is required to open gate.

