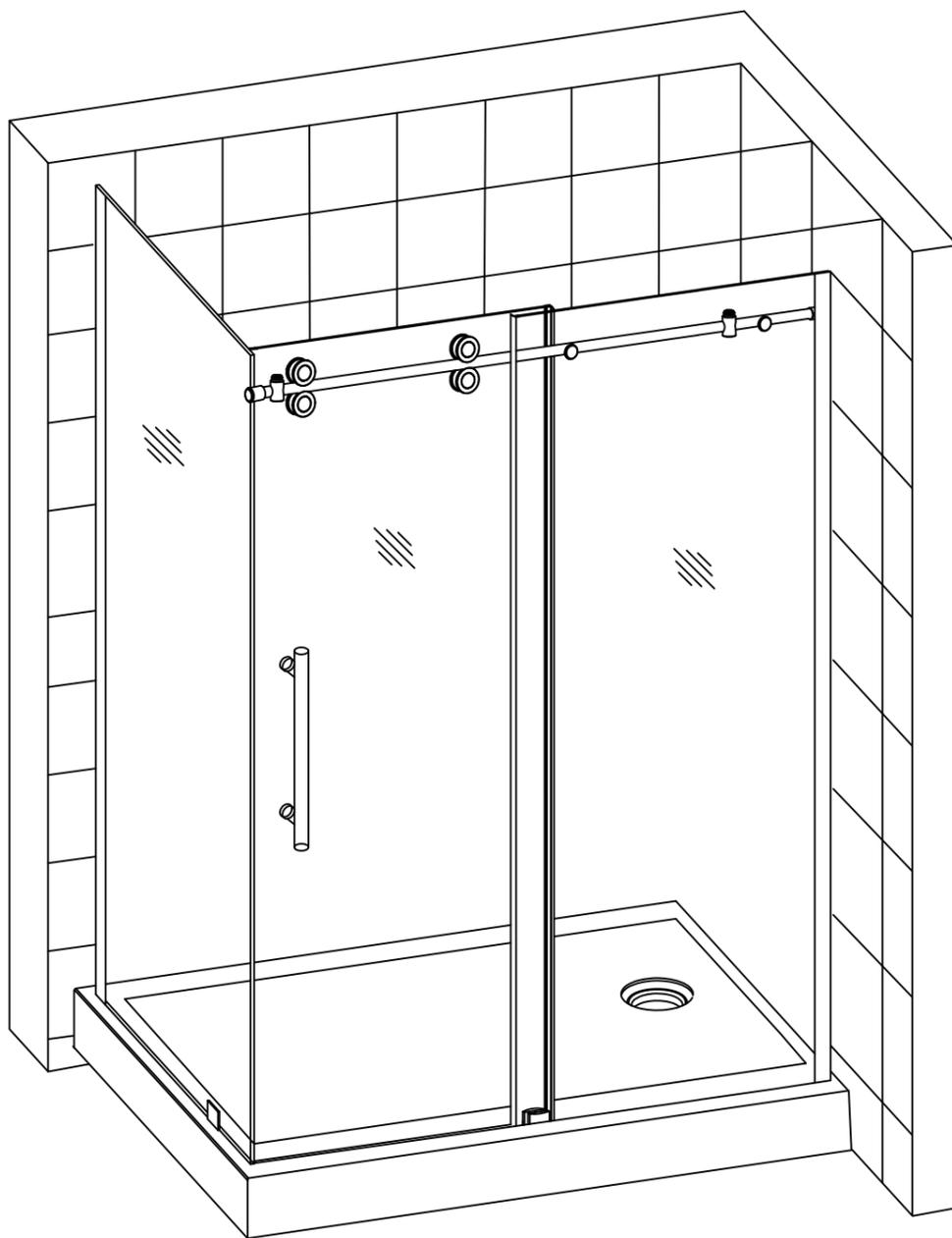


SERA
BATHROOM
DESIGNS



INSTALLATION AND OWNER'S MANUAL



Shower Enclosure with Tray Model Number: S79-10-48-R

Please carefully read these instructions before you begin to install the products.

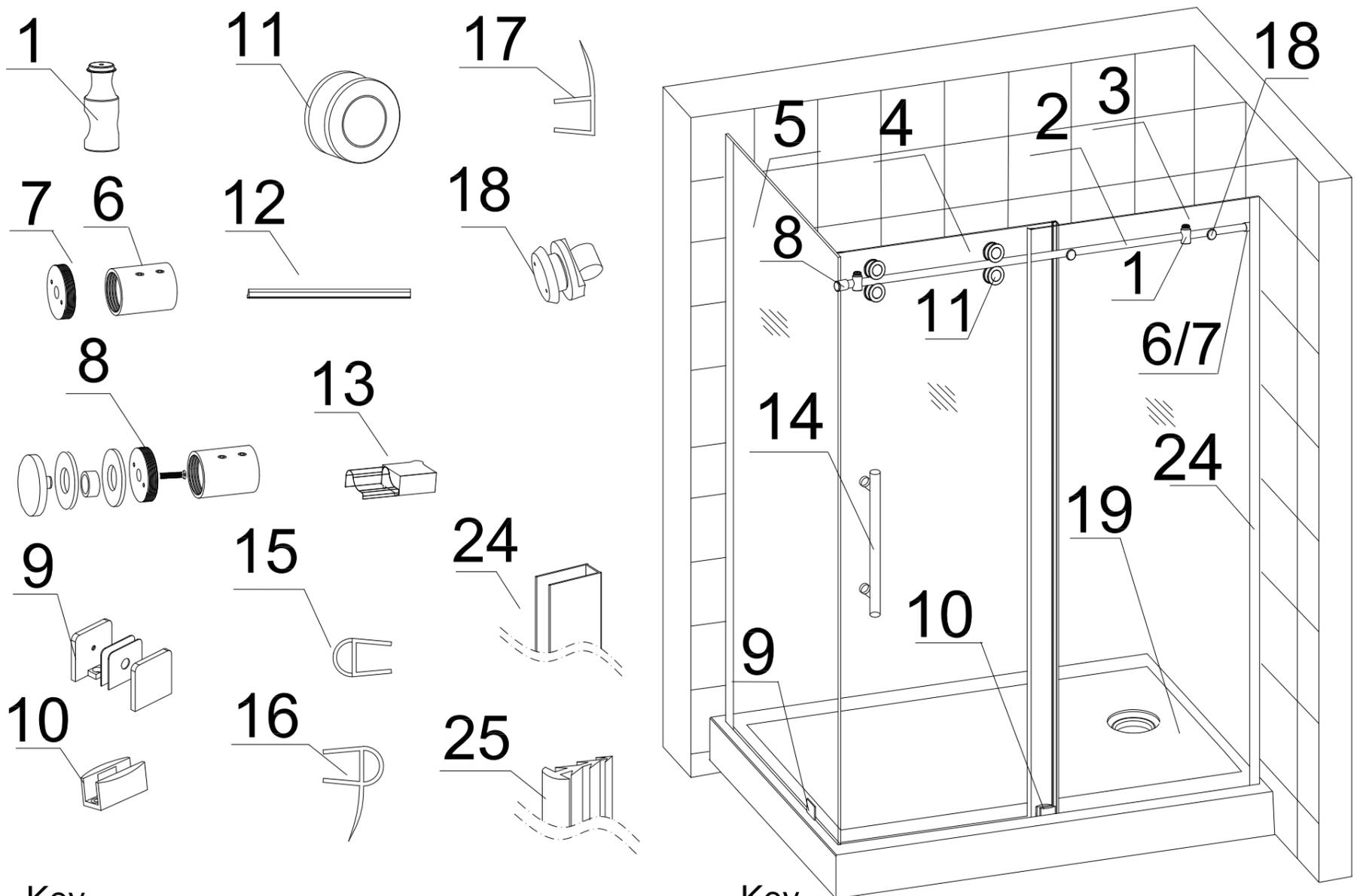
Before you start

Thank you for purchasing your shower enclosure. We hope that it will provide you with years of satisfying use and enjoyment.

Please read this manual carefully because it contains information and instructions about the proper installation of the unit. If you do not follow certain conditions of installation and maintenance, your warranty may be affected.

1. Before installation, inspect installation surfaces or level and have to the strength to support the heavy weight of this shower enclosure assembly. This Shower Enclosure should only be installed using the connection point to the studs or to pre-installed 2x6 wood reinforcements behind the wall.
2. This Shower Enclosures assembly is very heavy and requires professional installation.

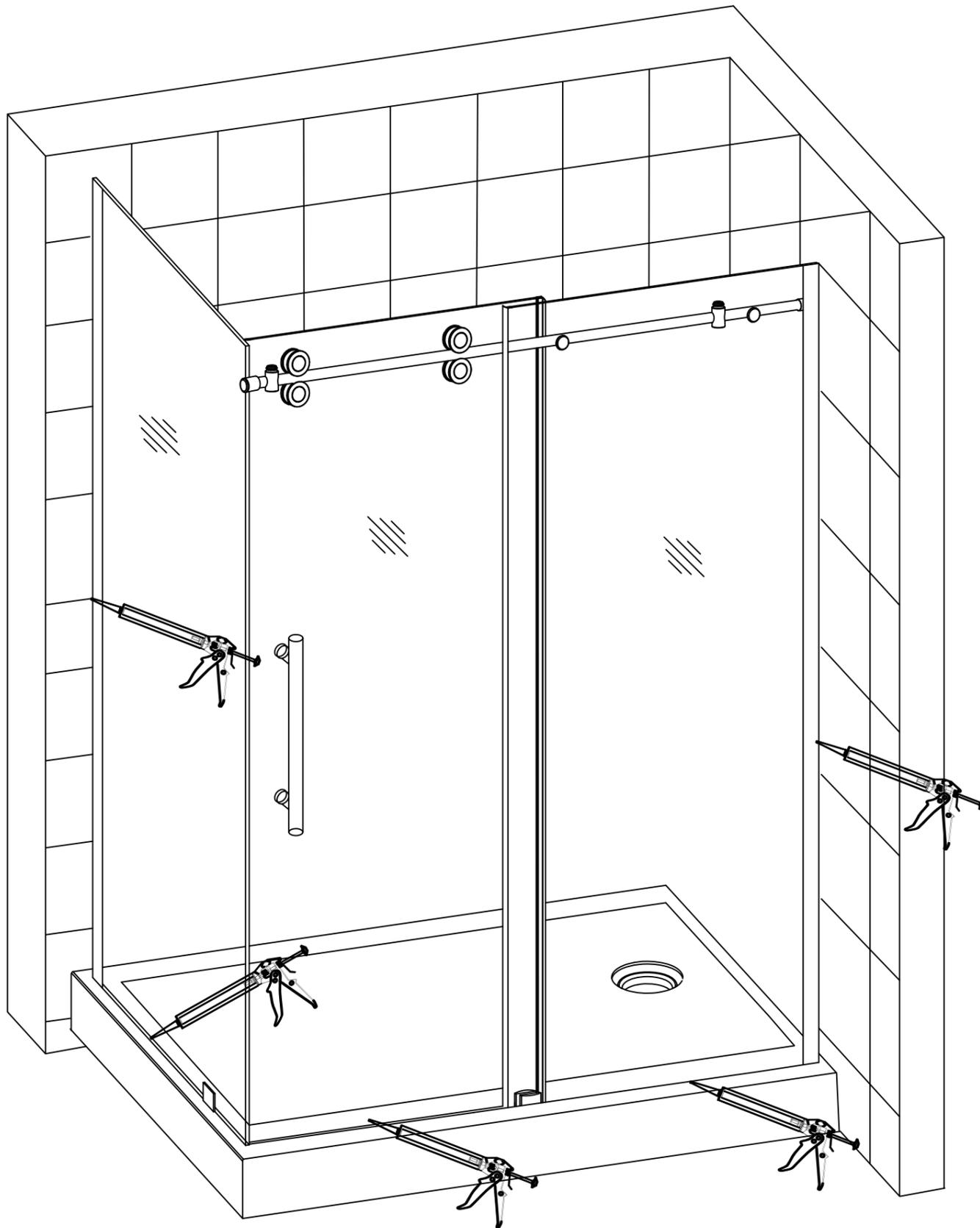
Detailed Diagram of Shower Door Components



Key Number	Description	QTY	Key Number	Description	QTY
1	Door Stopper	2	13	Door Threshold End Cap	2
2	Top Rail	1	14	Door Handle	1
3	Fixed Glass	1	15	Door Seal	1
4	Sliding Door	1	16	Door Seal	1
5	Return Glass Panel	1	17	Door Seal	1
6	Rail End	1	18	Fixed Glass Bolt Assembly	2
7	Wall Mount	1	19	Shower Tray	1
8	Rail Mount Assembly	1	20	Screw Pack 1	1
9	Glass Clamp	4	21	Screw Pack 2	1
10	Sliding Door Track Divider	1	22	Screw Pack 3	1
11	Roller Assembly	4	23	Screw Pack 4	1
12	Door Threshold	1	24	Vertical channel	2
			25	U-channel Seal	1

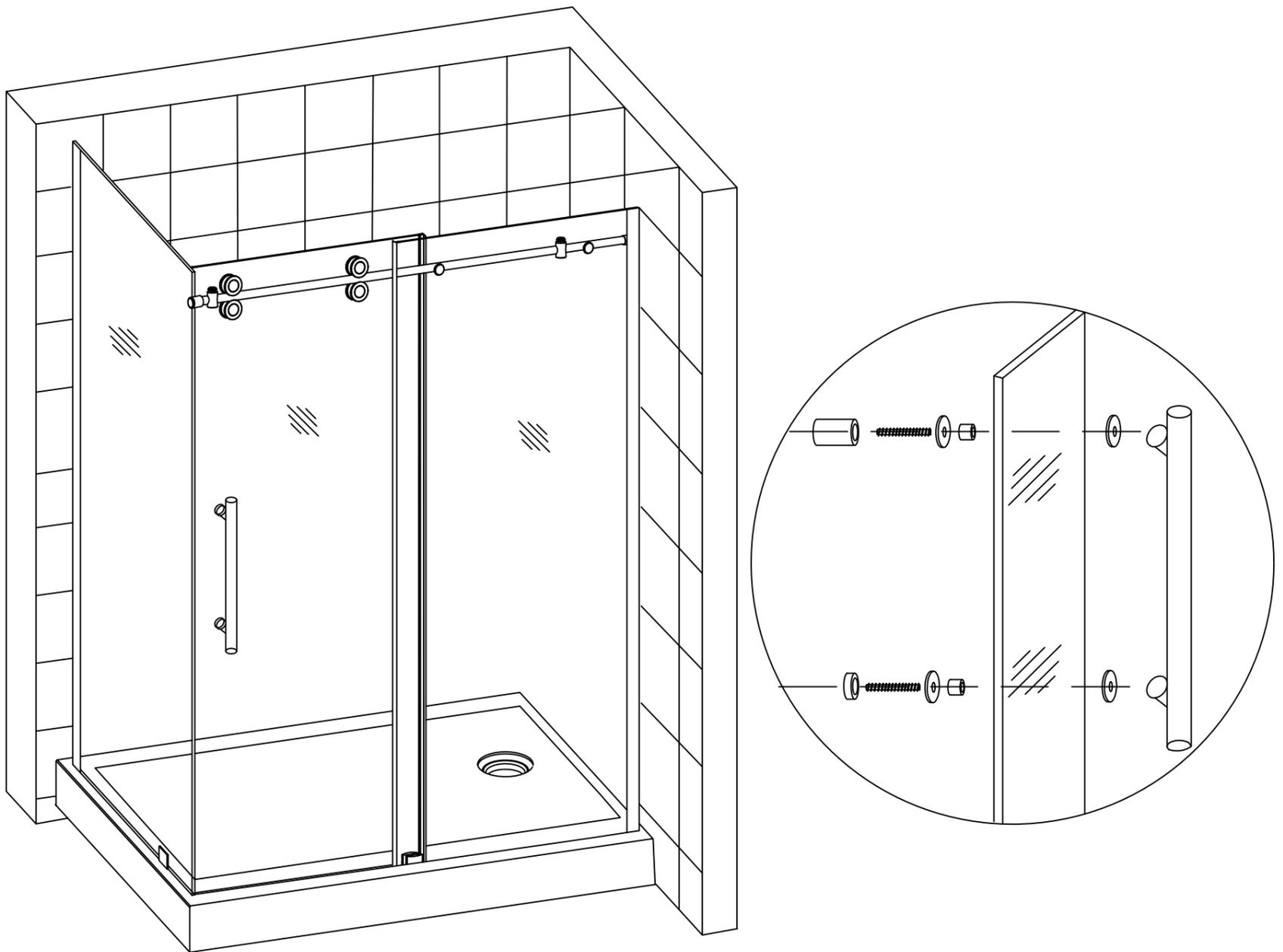
PLEASE NOTE: During unpacking carefully inspect all parts and use the exploded view drawing to identify all parts in the parts listing. Before discarding the packaging check for any parts or small hardware bags that may have been overlooked.

Final sealing



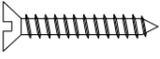
Using Bath & Kitchen silicone sealant, seal the fixed glass (3) and returned glass panel (5) along bottom edge on shower base, and side edge along shower wall. Next seal around sliding door track divider (10).

Installing the door handle

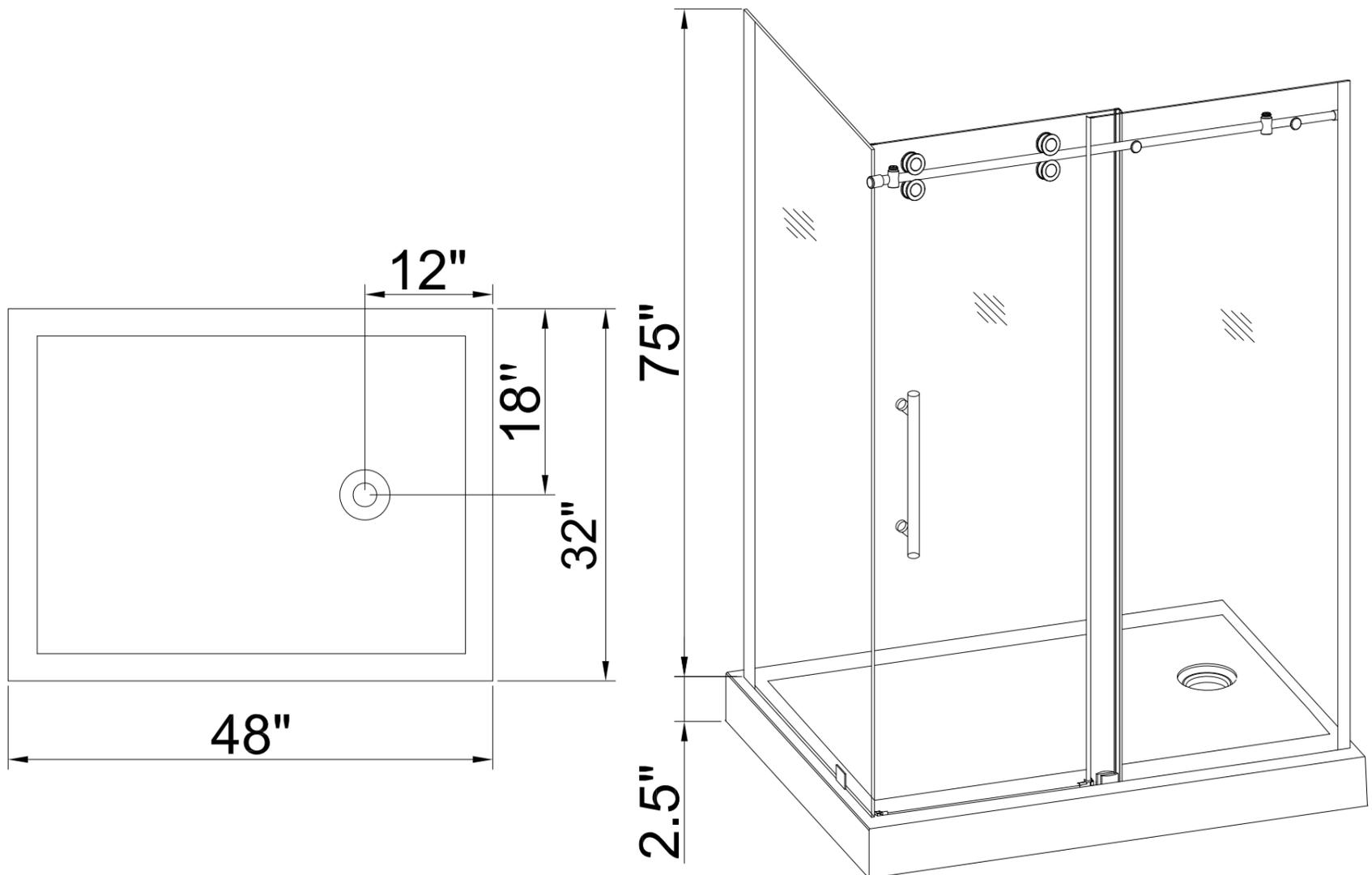


Install the door handle (14) using hardware provided. Follow the assembly sequence seen in drawing.

SUPPLIED HARDWARE

SCREW PACK (1)	M4x40		3
	Anchor		4
	M5x40		1
SCREW PACK (2)	M4x40		2
	Anchor		2
SCREW PACK (3)	M4x40		2
	Anchor		2
SCREW PACK (4)	M4x40		4
	Anchor		4

SUPPLIED PARTS

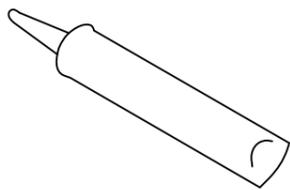


Installation Guide

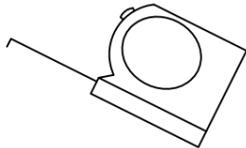
Please read and follow the installation instructions and guidelines in this section. Failure to follow the recommended instructions and installation techniques may lead to possible damage to the unit or the surrounding area. This can affect warranty claims.

ATTENTION: This unit requires assembly. A minimum of two people are required for assembly, as several of the sections can be large and unstable until assembled.

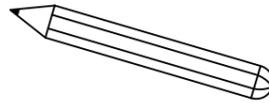
You will need the following tools:



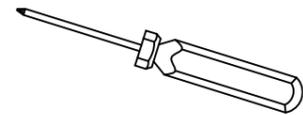
Caulk



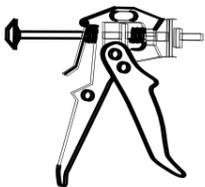
Tape Measure



Pencil



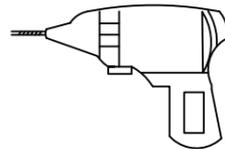
Phillips Screwdriver



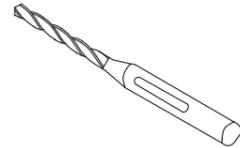
Caulk Gun



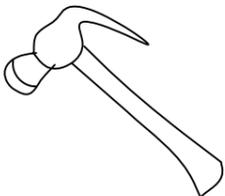
Level



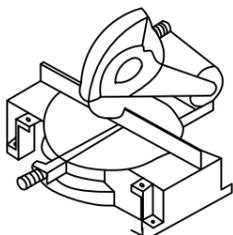
Electric Drill



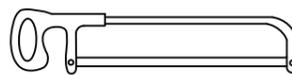
Drill bit ($\phi 1/8"$ & $5/16"$)



Hammer

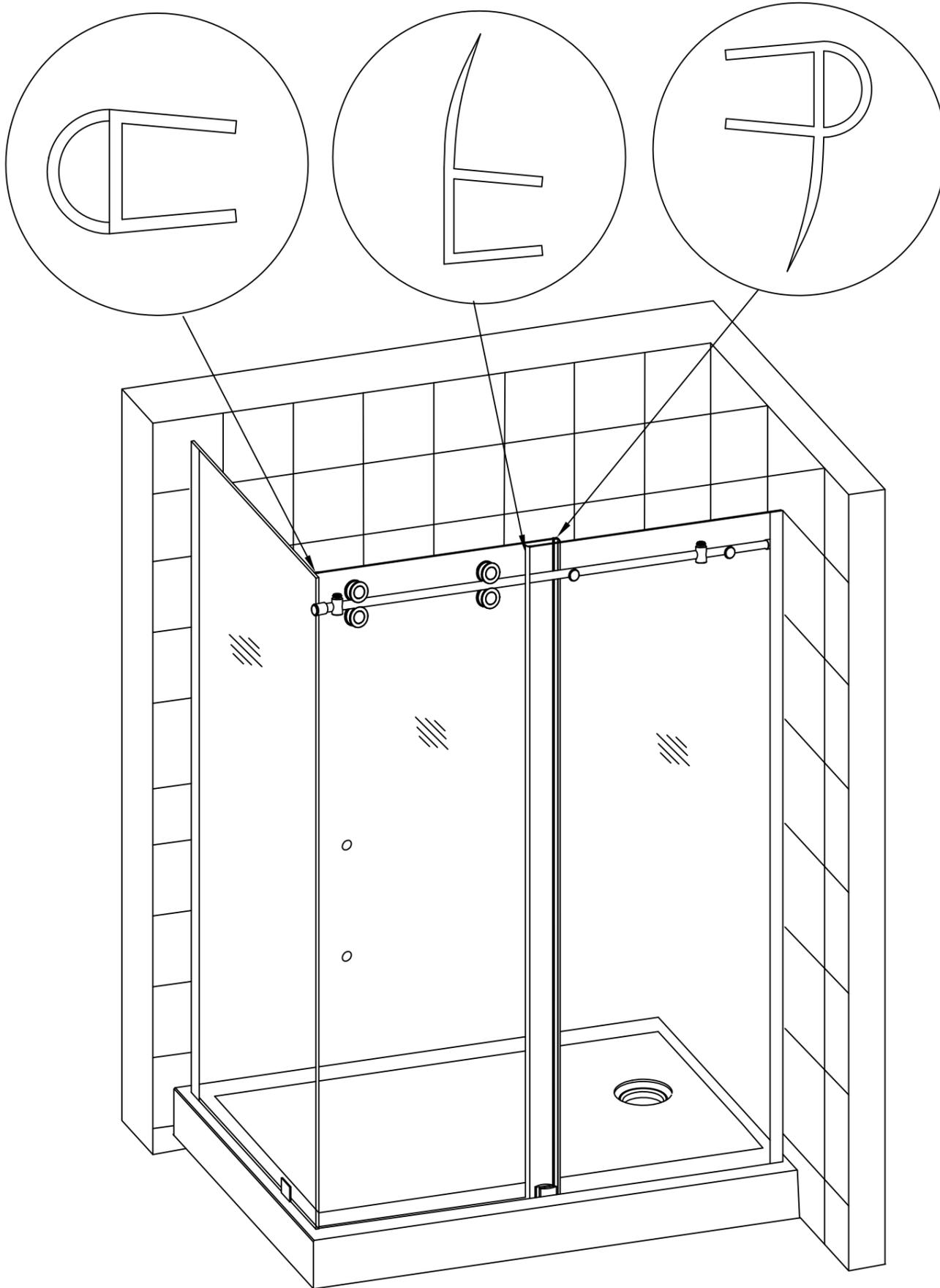


Miter saw or Hacksaw



Locate the accessory box and remove the individual screw and hardware packages. Lay them out in sequential order to aid in completing the rest of the installation.

Installing the door seals



Install the door seals according to the drawing.

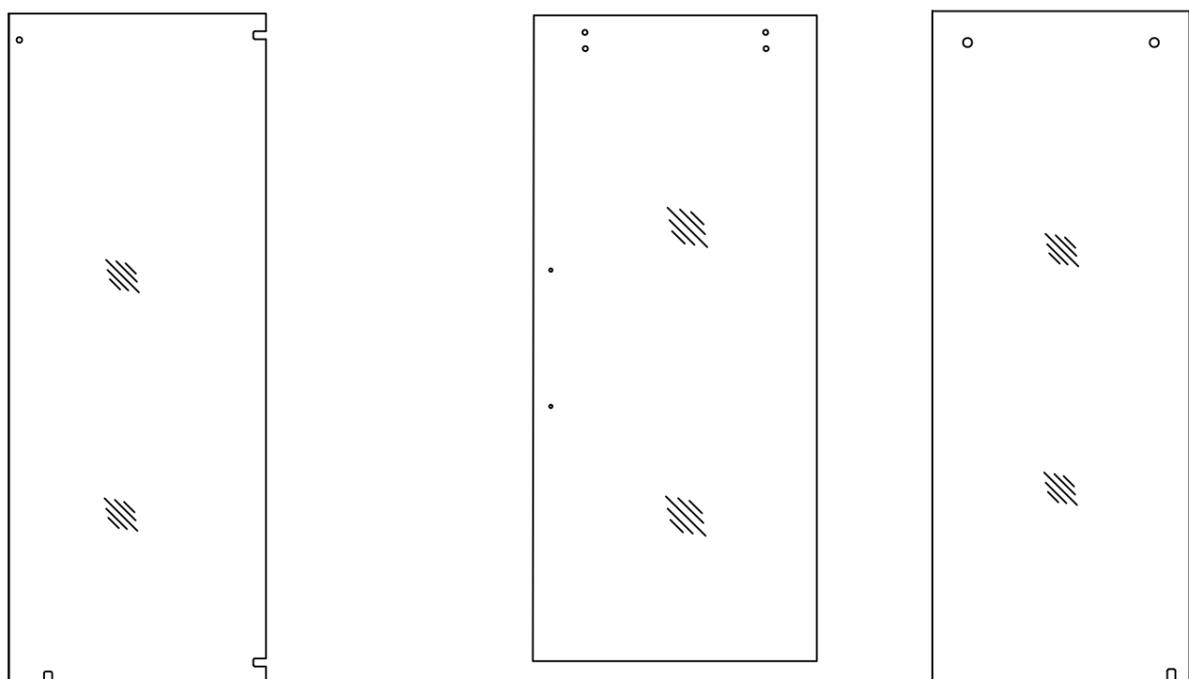
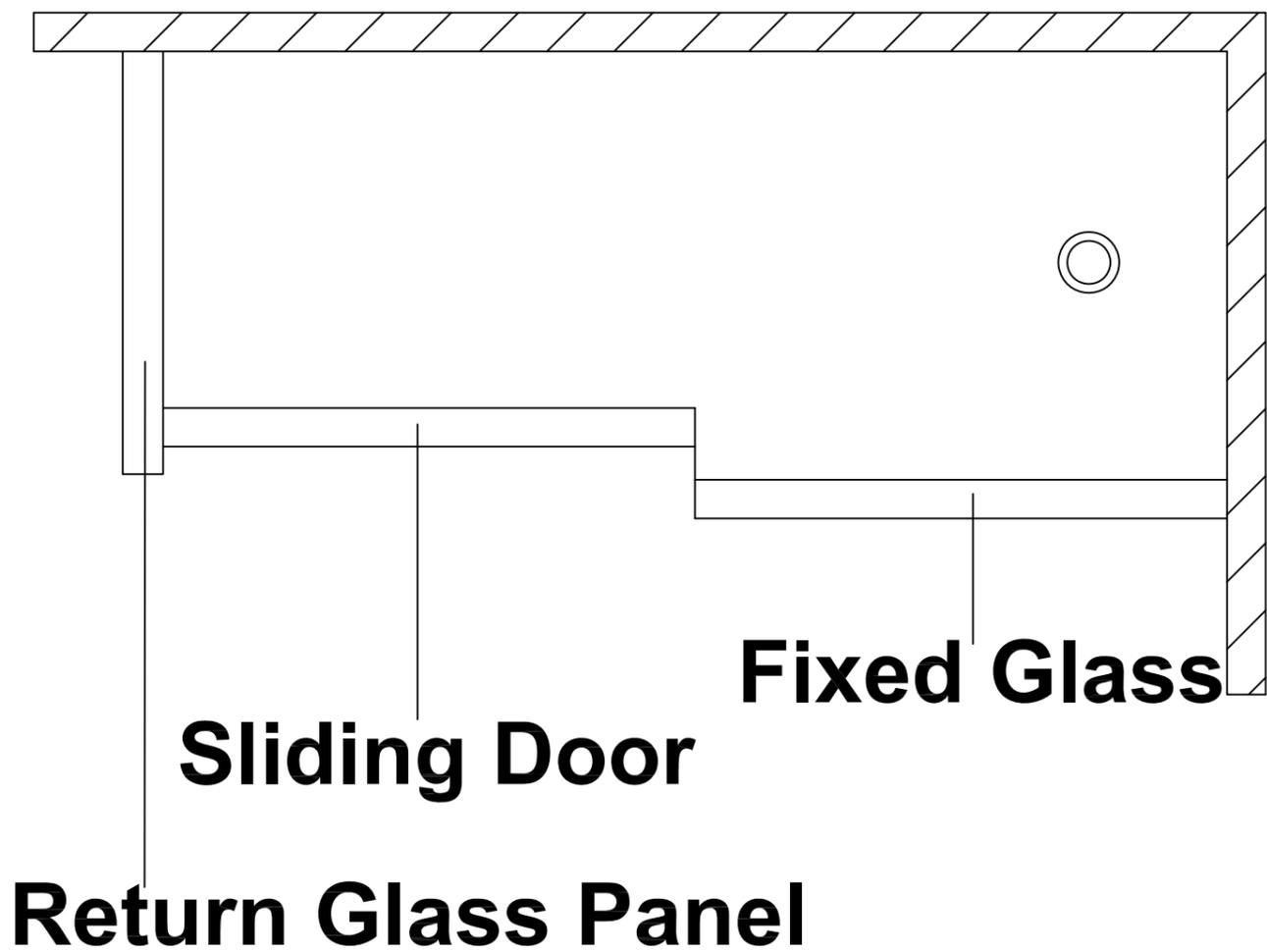
NOTE: If your surface is prone to cracking or chipping then it is recommended that you pilot drill first using a smaller drill bit, and then step up to the final size.

4. Using the appropriate drill bit for your floor surface drill the hole locations with a 1/8" diameter drill bit. Repeat for the other side. See figure 4
5. Add a small amount of silicone sealant to bottom of threshold bar assembly place into position. See figure 5
6. Using the hardware from screw pack 3 install the threshold bar assembly. Install the decorative screw plug covers into threshold end caps (12). See figure 6

Left-Handed Shower Tray Installation

Note: This shower door is not reversible when in use with the shower tray. The left-handed shower tray requires the door to open from right to left and cannot be reversed.

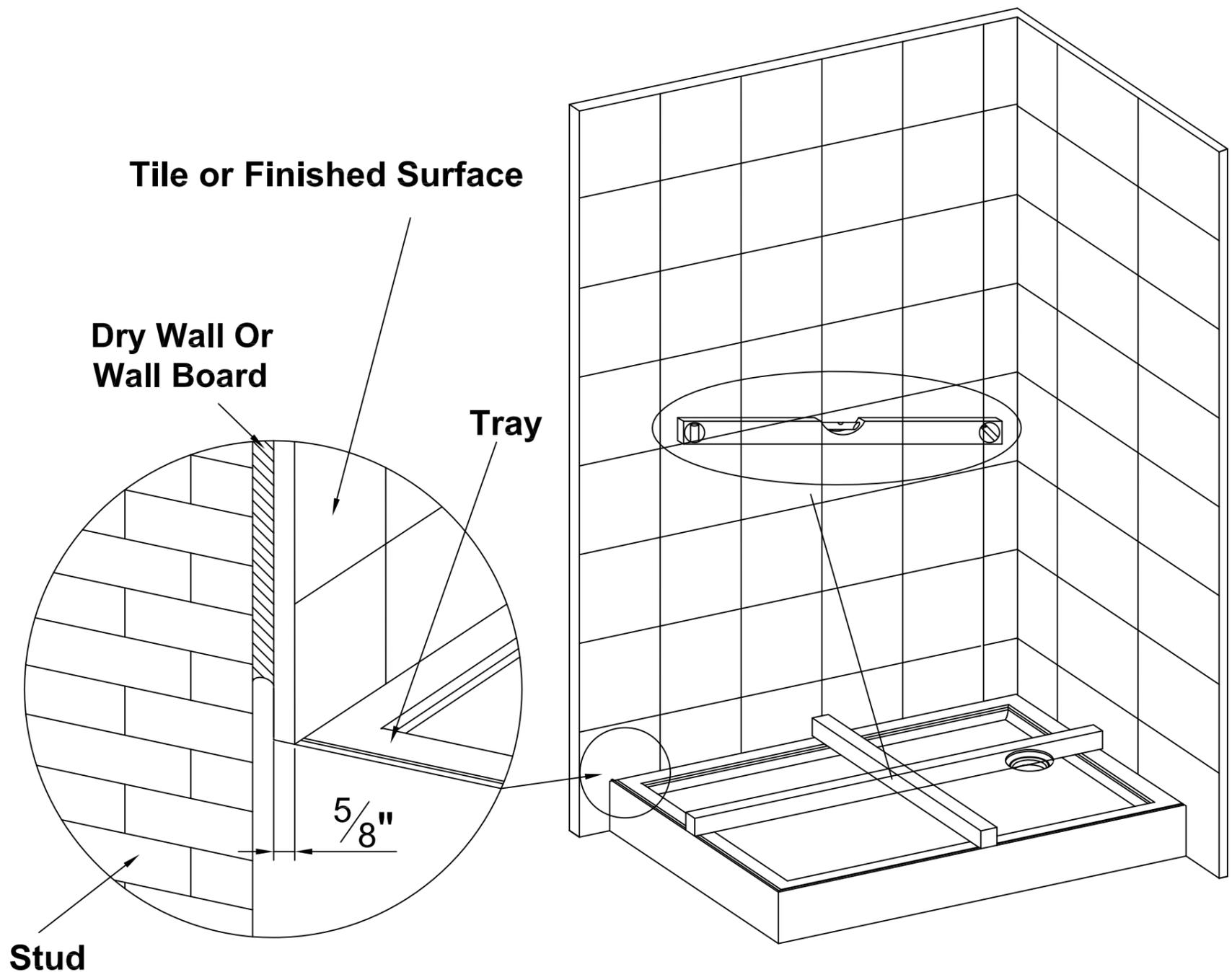
Note the location of the fixed glass panel, and sliding door for the left-handed shower tray installation.



Return Glass Panel Sliding Door Fixed Glass

If your project requires the door to open from the opposite direction, you will need to purchase the right-handed shower tray (drain located on the right side of the tray).

Preparation of base for installation of shower tray



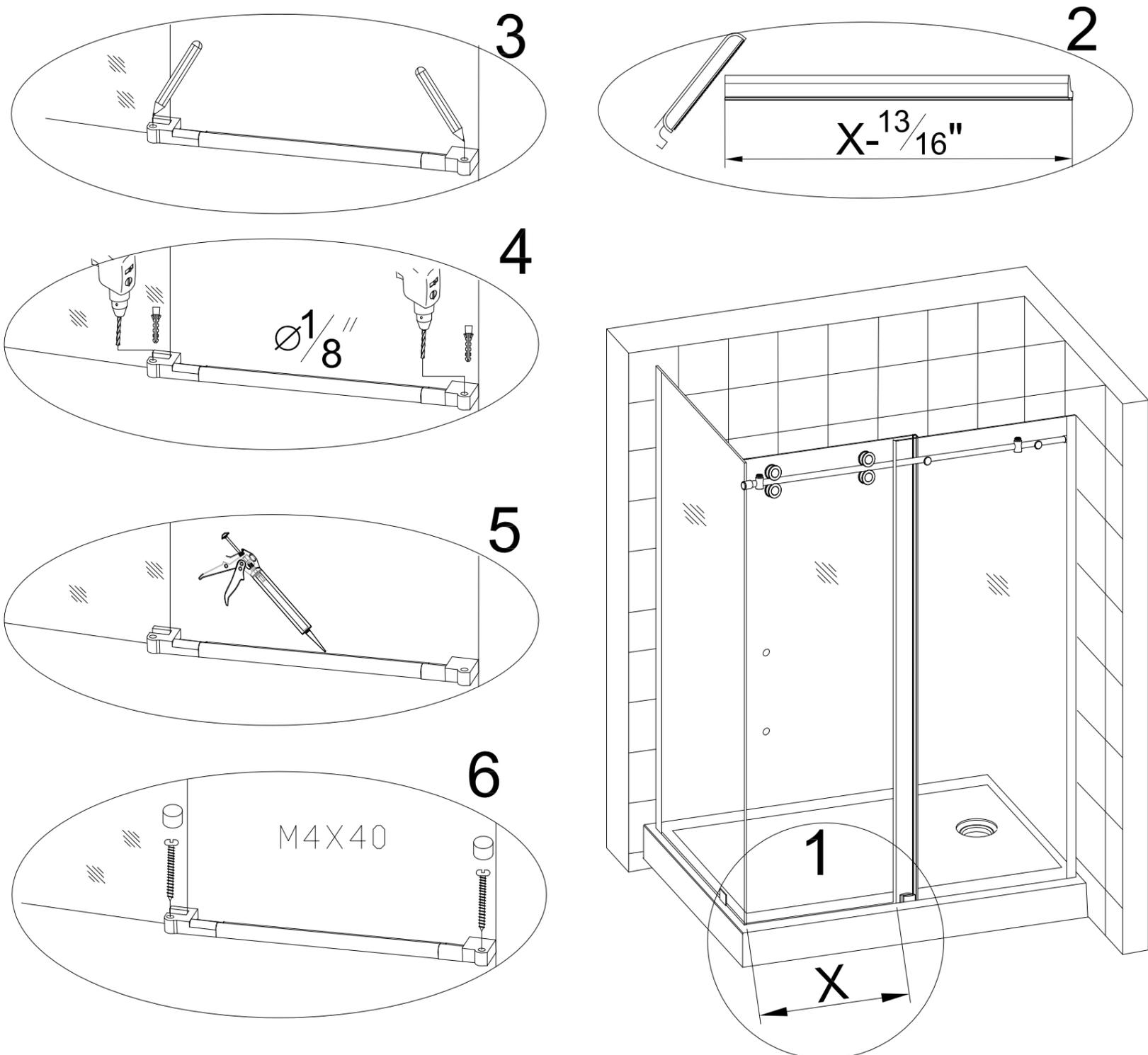
WARNING: THE Aston shower door and tray are designed to be used with tile walls. If you are using a pre-made Acrylic/ABS/FRP shower stall that will be thicker than average wall board plus tile then you must consider the offset of the pre-made panel. The shower tray has 1/4" of tolerance for over sized wall thickness.

The shower tray needs to sit on a flat level base for proper support. Ensure that the area for the shower tray is properly prepared for installation.

Using the drawing provided, place the floor drain in the proper location so that the shower tray drain and the floor drain are in line after final installation.

Place the shower tray in the final installation position line up the drain holes and check for level. If not level make adjustments to the floor at this time.

Install the Door Threshold

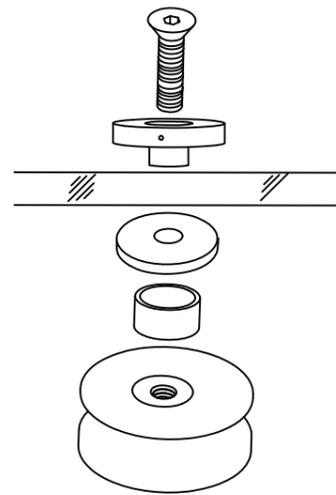
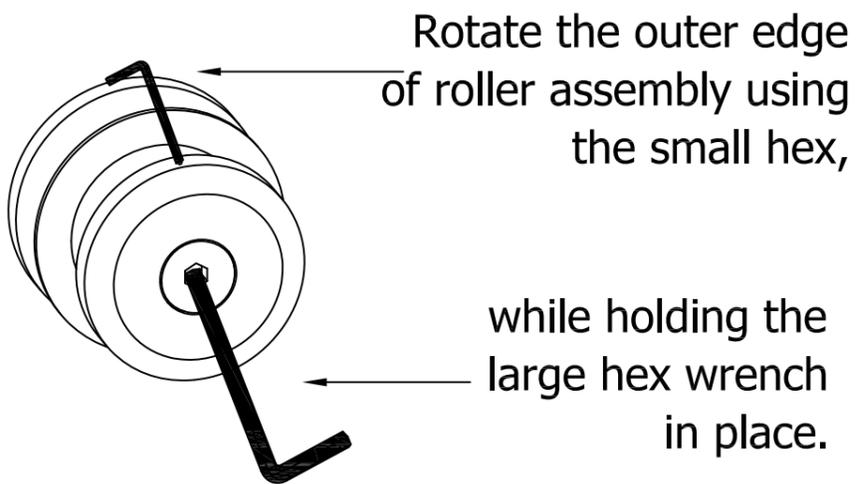


The Door Threshold is used to prevent water from seeping out while bathing. Install the threshold according to these instructions.

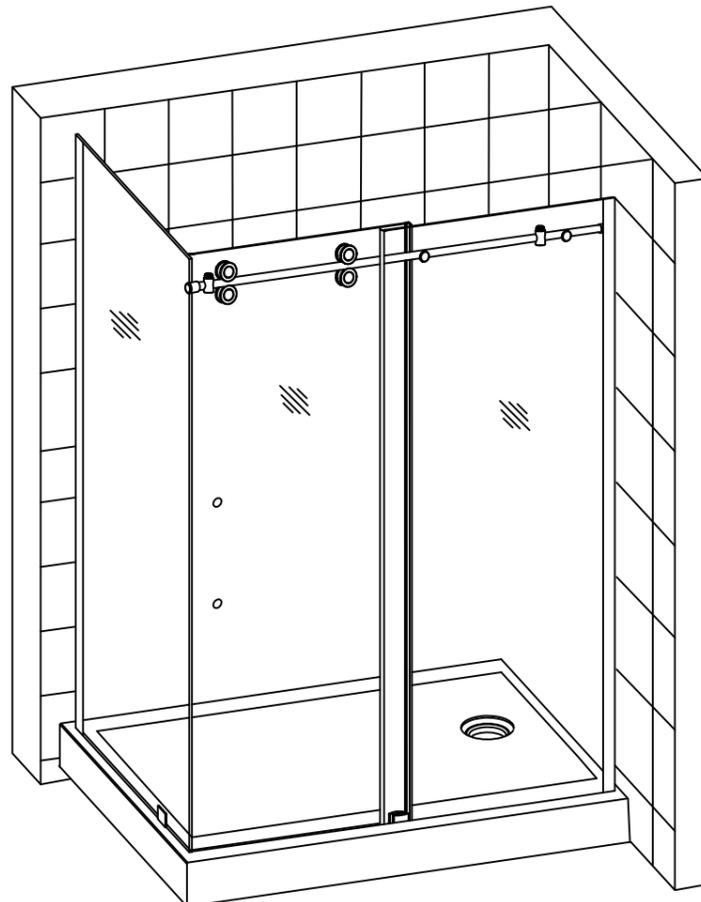
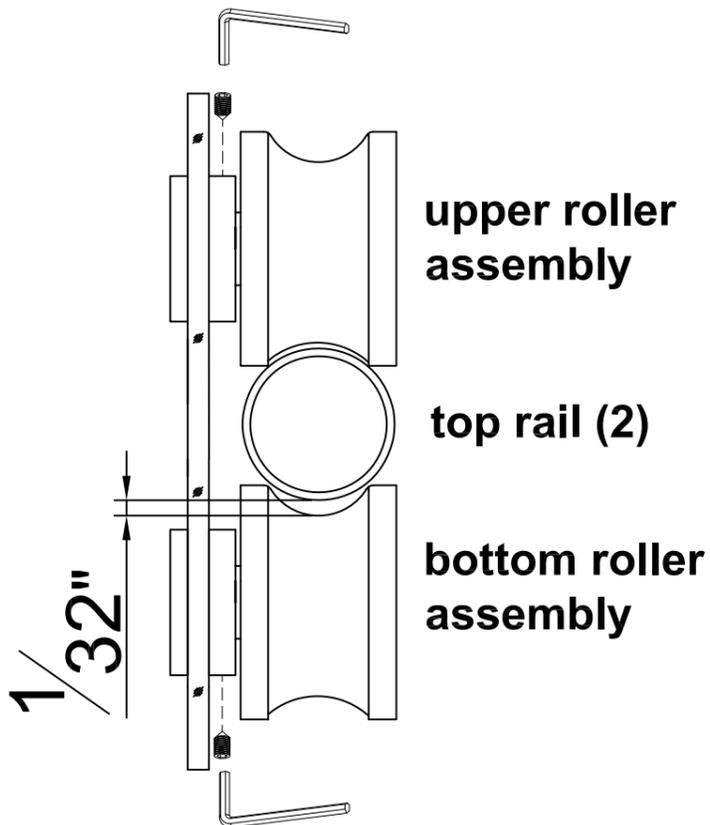
1. Measure the distance between the fixed glass (3) and the shower wall. See figure 1.
2. Using a hacksaw cut the threshold bar (12) to fit distance measured between the fixed glass and shower wall. Remove any sharp edges or burrs after cutting threshold bar (12). See figure 2
3. Position the threshold bar (12) to floor by aligning in door opening with fixed glass (3). Mark the threshold end cap (13) mounting hole locations. See figure 3

Hanging the Door

ROLLER CAM ADJUSTMENT



End View



Suspend the sliding door (4) on the top rail (2). Slide the bottom edge of sliding glass door (4) into the groove of the sliding door track divider (10). Adjust the upper roller assemblies (11) to insure the bottom edge of sliding glass door (4) does not touch the bottom sliding door track divider (10). See roller cam adjustment drawing for details. (The rollers for this unit have a built in cam adjustment to adjust the plumb of sliding door. Locate the small hole in outside edge of roller assembly and insert a small hex wrench into hole opening. Next using the hex wrench for roller assembly slightly loosen the roller wheel assembly. Now holding the hex wrench in place rotate the outer edge of roller assembly using the small hex wrench inserted into small hole opening in outer edge of roller assembly. This will move the roller cam to offset any minor adjustments for sliding door out of plumb. All 4 rollers on this unit can be adjusted as describe above).

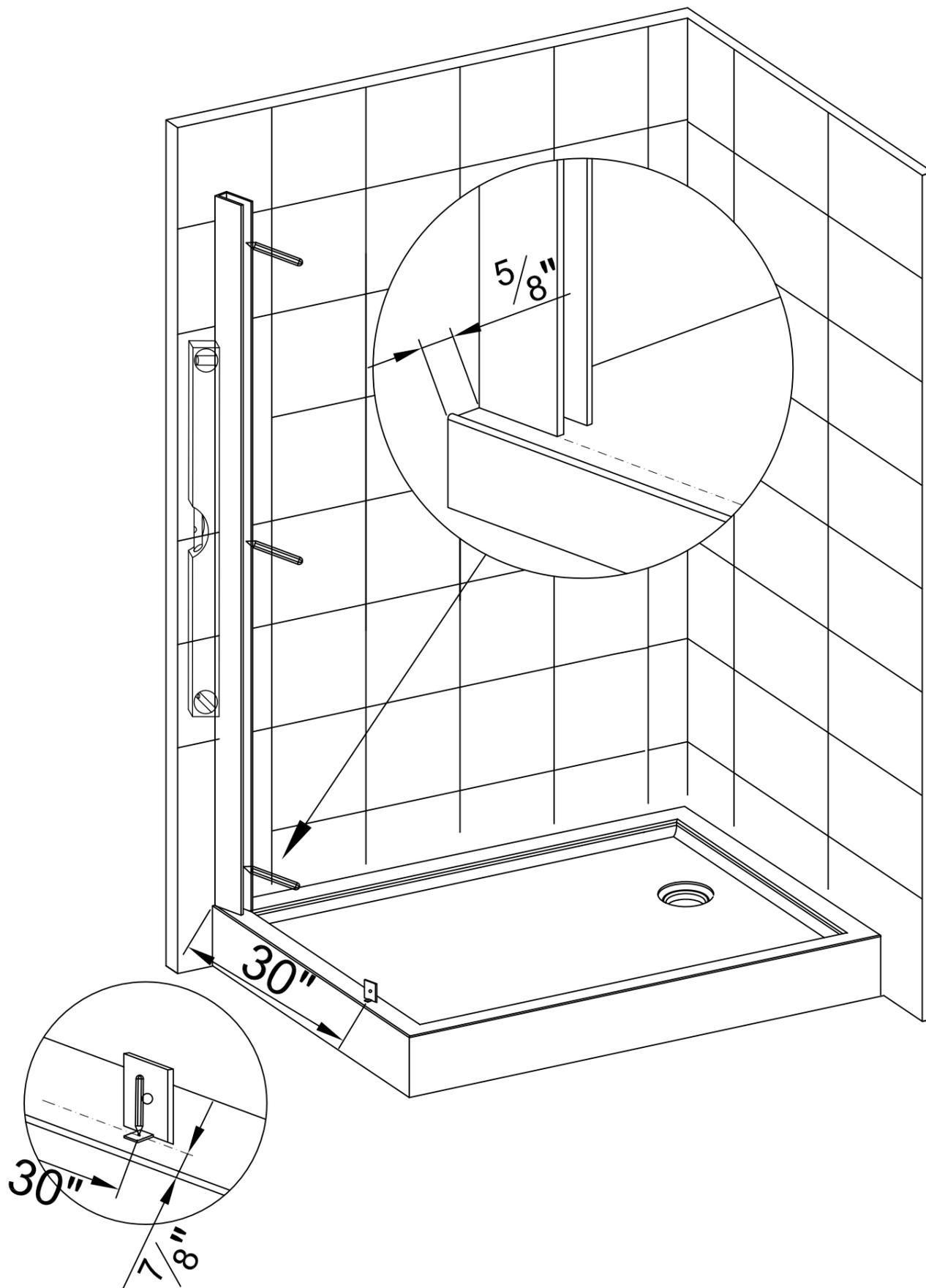
Install the bottom roller assemblies (11) on the sliding door (4) to secure the sliding glass door (4) to top rail (2). Adjust the bottom roller assemblies (11) to a gap of $1/32''$. This gap is a starting gap, check that the sliding door rolls smoothly along the top rail. Make adjustments if needed.

This can be accomplished by leveling the subfloor by use of Shims, Leveling compound or placing the shower tray into a mortar base

The shower tray must be installed so that the tile lip is against the wall studs. It is recommended that the tray is attached to the studs using screws.

IMPORTANT: If you are using screws to secure the tray to the studs it is recommended that you pilot drill the screw location as to prevent the acrylic tray from chipping or cracking.

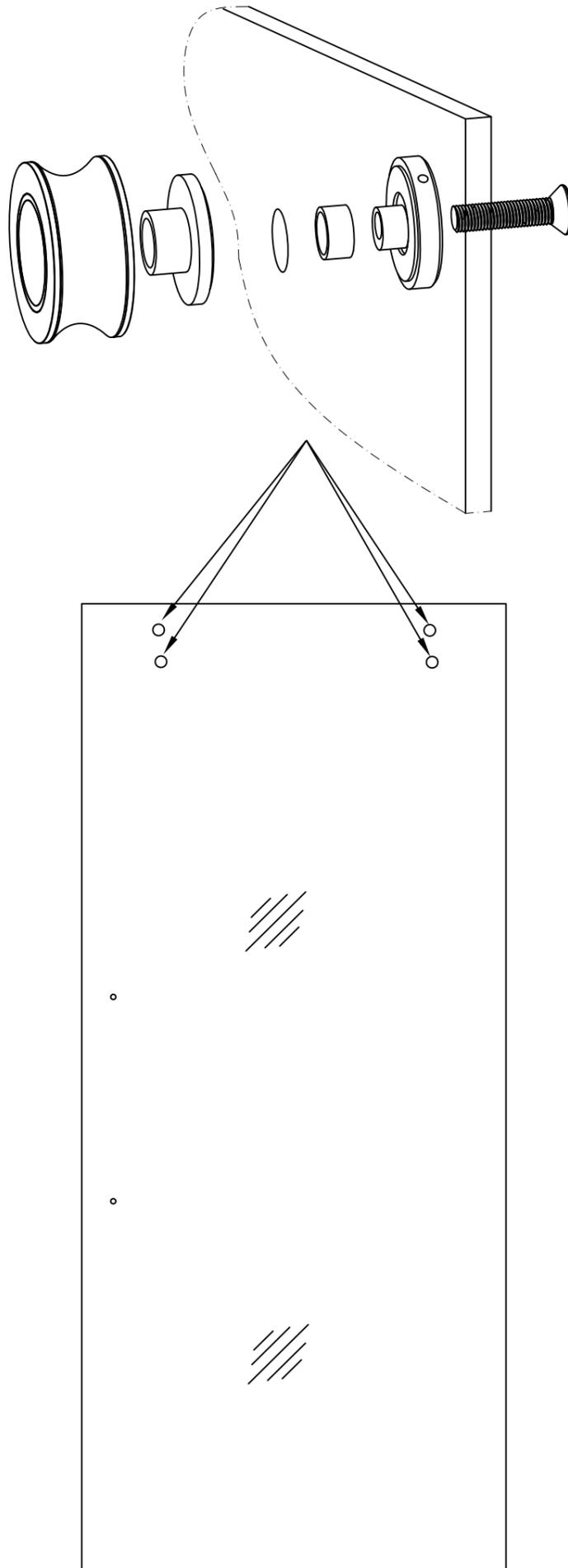
Measure the distance



Install all of the wall material or materials you intend to use before installing the glass clamps and return glass panel, this includes all moisture resistant wall board or rock board, tile, stone or other wall covering.

Refer to the drawing above and measure and mark the shower wall and floor for drilling locations to attach glass clamps and Vertical channel(24).

Install Wheel Rollers onto the Door

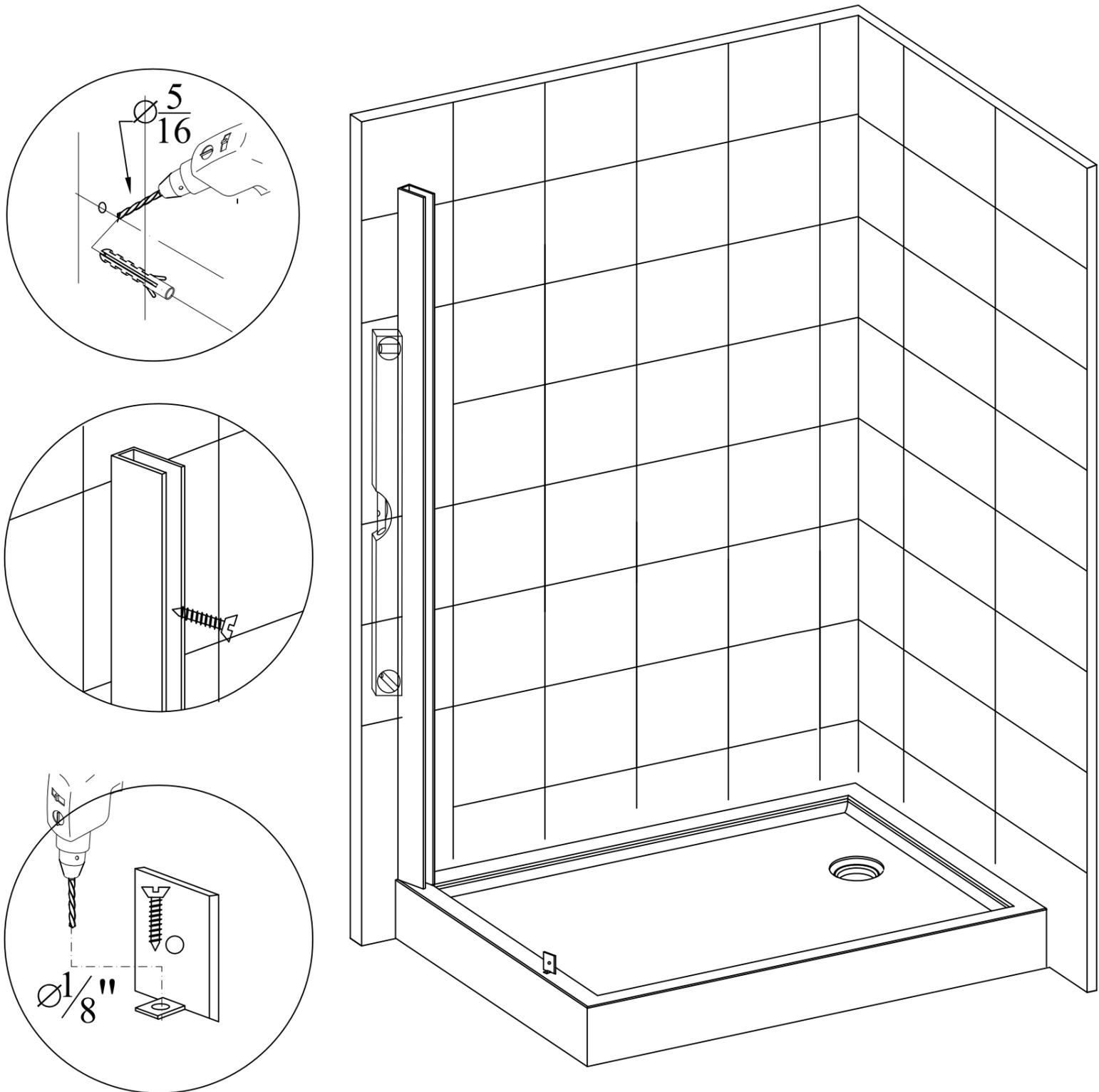


Assemble the roller assemblies (11) onto sliding door (4) as shown in figure.

Note: The door handle mounting holes should be positioned to right. The roller assemblies (11) will be on the outside of sliding door (4). The sliding door should be to the inside of shower area.

12. Using the appropriate drill bit for your tray surface drill hole locations with 1/8" diameter drill bit. Position the sliding door track divider (10) over drilled holes on shower tray, and secure sliding door track divider (10) to shower tray using hardware in screw pack 2 . See figure 11.

Installation of Vertical channel and glass clamps



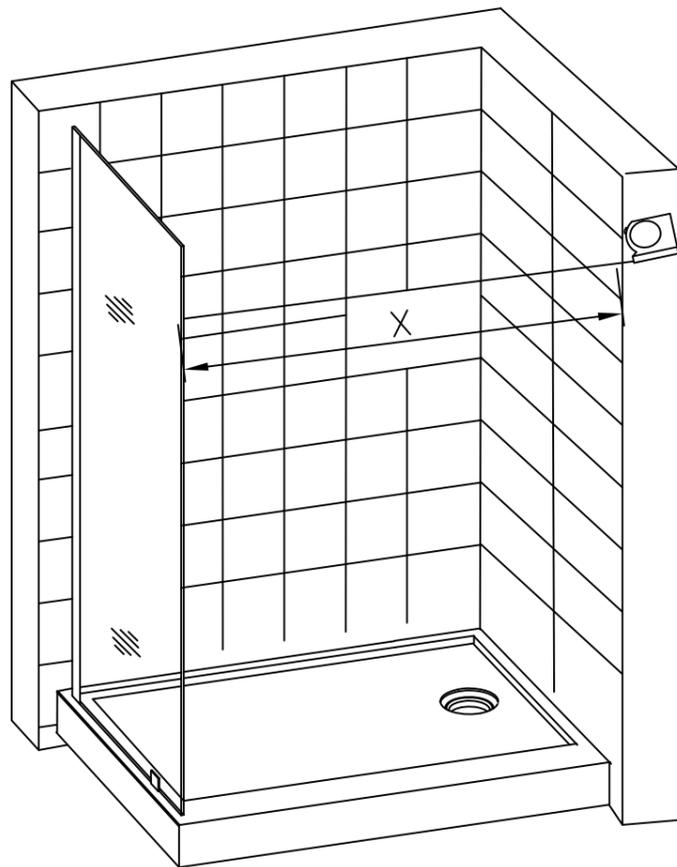
Using the appropriate drill bit for your wall surface drill each hole location with a 5/16" diameter drill bit. Install the plastic wall anchors provided into the drilled holes.

Using the appropriate drill bit for your floor surface drill each hole location with a 1/8" diameter drill bit.

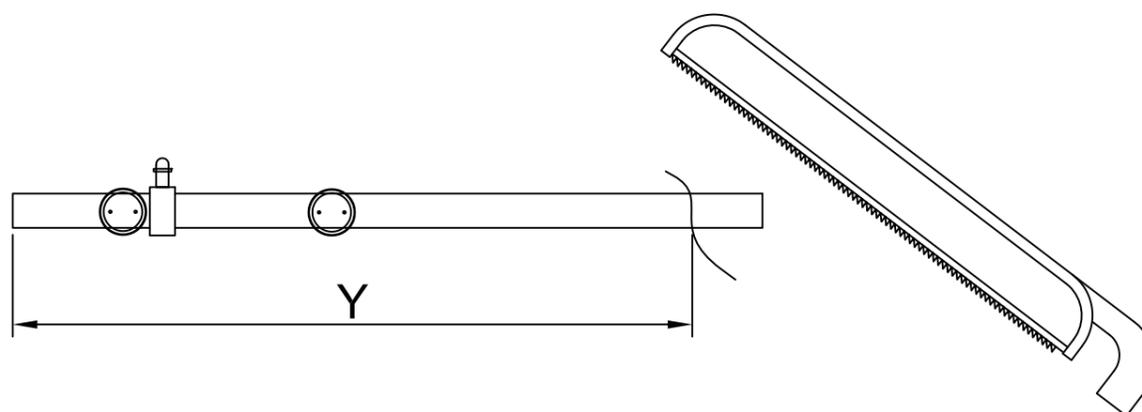
NOTE: If your surface is prone to cracking or chipping then it is recommended that you pilot drill first using a smaller drill bit, and then step up to the final size.

Using screw pack (1) attach the Vertical channel (24) to wall and attach the glass clamps (9) to shower floor using M4x40 screws.

Sliding Door Installation



1. Measure the width of the shower opening at the top between the fixed glass and the wall. Note this is dimension "X".



2. The following equation is used to determine the length to be cut from the rail in order to fit the shower opening.

$$Y = X - \frac{5}{8}''$$

3. Measure distance "Y" from the end of Top Rail (2) with pre-assembled hardware mark the top rail.

NOTE: Do not cut the end of top rail with pre-assembled hardware. Only cut the end of top rail opposite the pre-assembled hardware.

4. Using a hacksaw or jigsaw cut the Top Rail (2) at the mark. Carefully remove any burrs or sharp edges remaining on Top Rail (2) after the cutting.

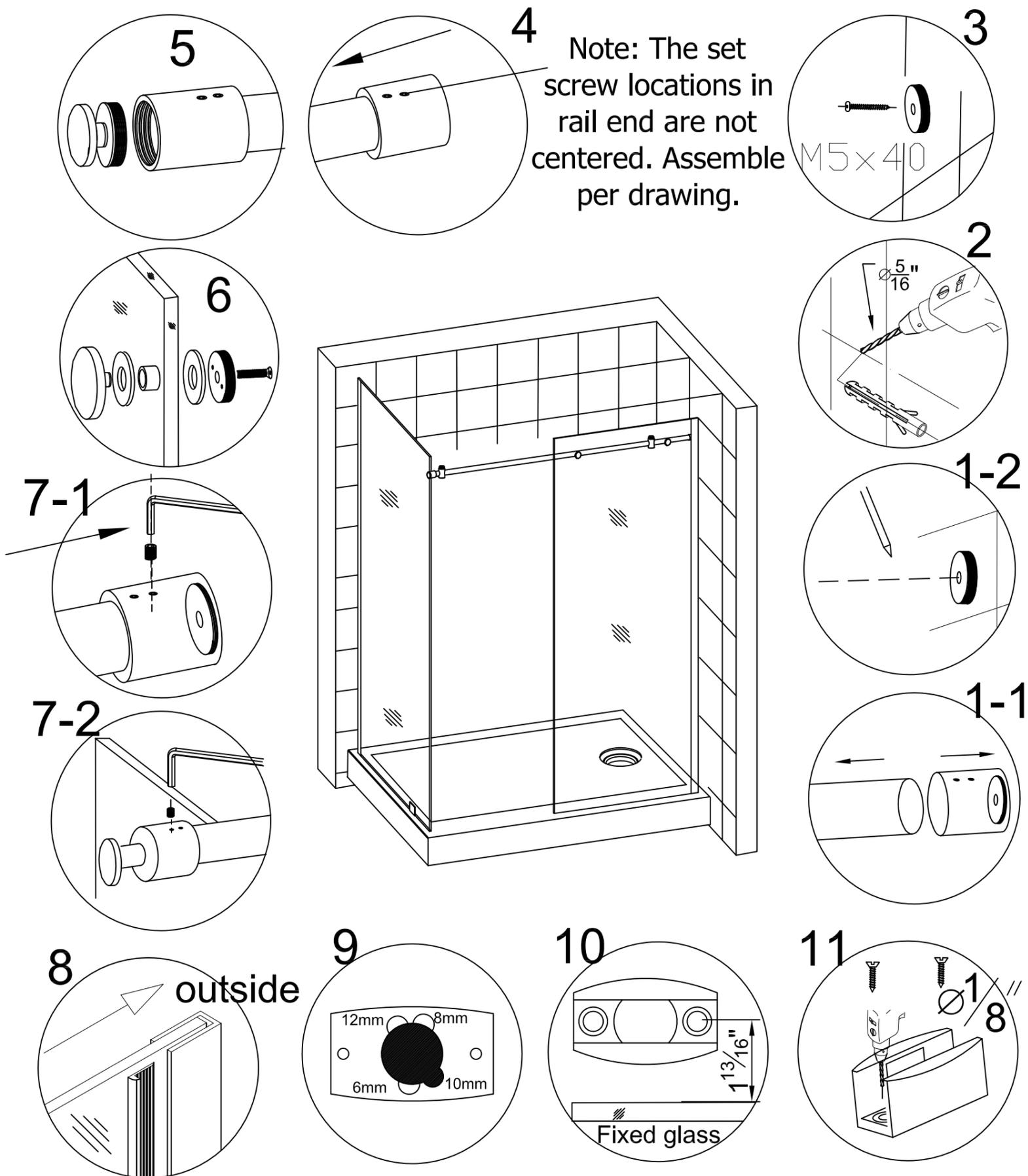
2. Using the appropriate drill bit for your wall surface drill the hole location with a 5/16" diameter drill bit. Install the plastic anchors from screw pack 2 into the drilled hole. See figure 2.
3. Attach the wall mount (7) to shower wall using M5 x 40 screw from screw pack 2. See figure 3.
4. Set properly check for level and plumb and then apply a small neat bead of 100% clear silicone to the inside bottom of the Vertical channel (24) .Install fixed glass (3) to Vertical channel (24) and Install U-channel Seal (25) to fixed glass (3). See figure 8.
5. Slide rail end (6) onto top rail (2) and loosely tighten into place. Note: The set screws in rail end are not centered, and one end of rail end is threaded. The rail end (6) should be installed on top rail (2) so that threaded end of rail end (6) is facing outward. See figure 4.
6. Loosen set screws in rail mount receiver (8) and slide onto left end of top rail (2). See figure 5.

ATTENTION: A minimum of two people are required for the next assembly steps.

7. Position top rail / fixed glass assembly into place in your shower opening. Next align rail mount receiver (8) with brass fitting on inside of return glass panel (5), and secure by tightening the rail mount receiver to brass fitting. Tighten set screws in rail mount receiver (8) to secure to top rail (2) See figure 5 and 7-2.
8. Loosen set screws in rail end (6). Next slide rail end (6) on top rail (2) to align with wall mount (7). Thread rail end (6) onto wall mount (7) and securely tighten. Tighten set screws in rail end (6) to secure rail end to top rail (2). See figure 7-2.
9. Set properly check for level and plumb and then apply a small neat bead of 100% clear silicone to the inside bottom of the Vertical channel (24) .Install fixed glass (3) to Vertical channel (24) and Install U-channel Seal (25) to fixed glass (3).
10. Insure plastic sliding door glide is in place in underside of sliding door track divider (10) and positioned to proper location for 10mm glass thickness. See figure 9.
11. Position the sliding door track divider (10) into position as seen in figure 10 and mark the 2 shower base hole positions. **Note: In drawing 10 the hole locations for attaching sliding door track divider should be 1 13/16" from edge of fixed glass. See details in figure 10.**

NOTE: If your surface is prone to cracking or chipping then it is recommended that you pilot drill first using a smaller drill bit, and then step up to the final size.

Installation Top Rail



1. Loosen set screws in rail end (6) and remove from top rail (2). See figure 1-1. Next remove wall mount (7) from rail end (6). Position wall mount (7) onto marked location on shower wall and mark pilot hole drilling location. See figure 1-2

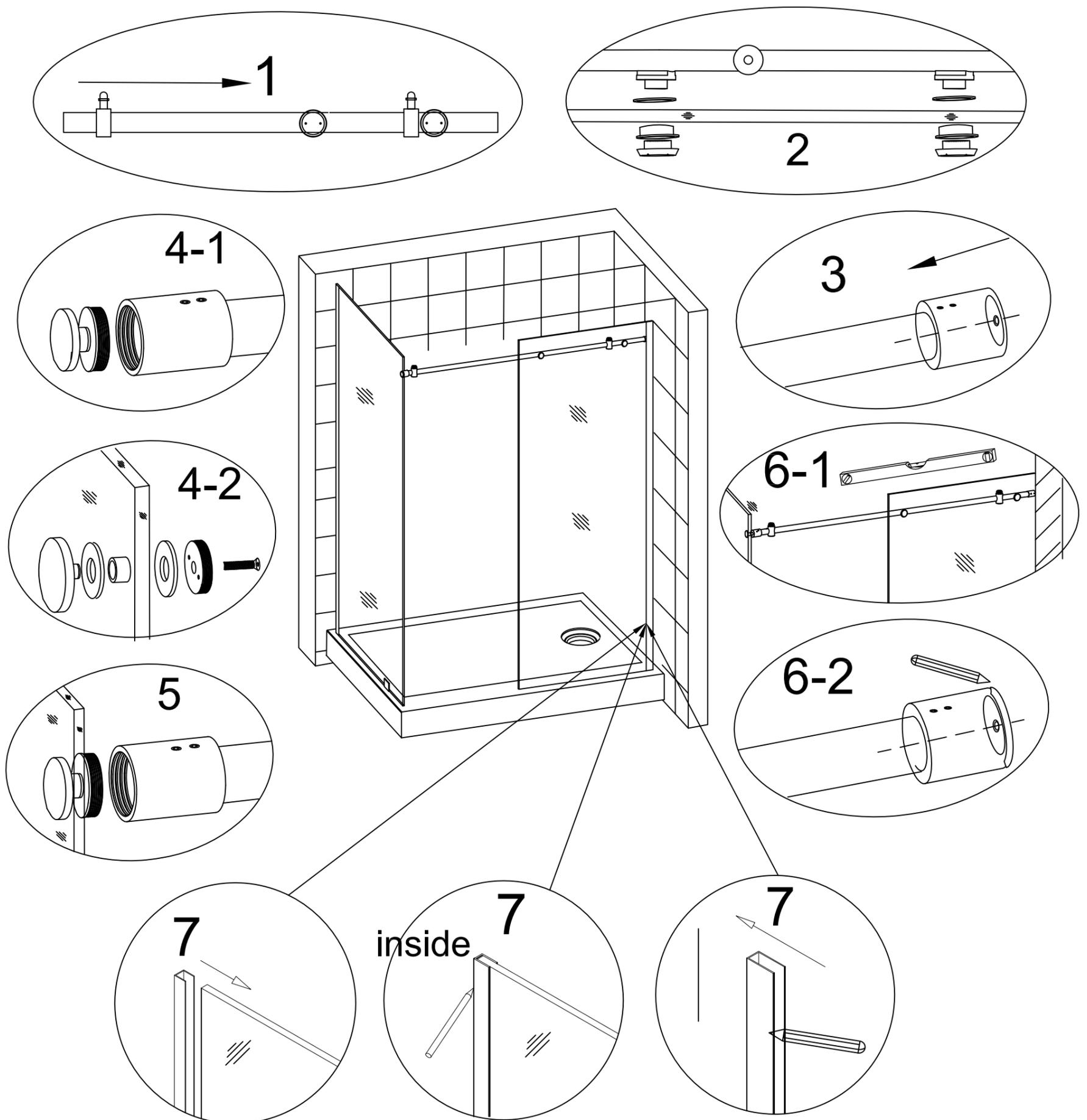
NOTE: If your surface is prone to cracking or chipping then it is recommended that you pilot drill first using a smaller drill bit, and then step up to the final size.

Mark the Top Rail Location

ATTENTION: A minimum of two people are required for the next assembly steps.

Pre-assemble the top rail (2) onto the fixed glass (3) to locate the mounting points on the wall to your desired location.

Painters tape or masking tape in the general location of the of the final installation will aid in marking the wall and floor.



1. Slide door stopper (1) onto end of top rail (2) See figure 1. The bumpers on door stopper (1) should be positioned on the top of top rail for final installation. Note: One door stopper comes pre-assembled on top rail between fixed glass bolt assembly. See figure 1.
2. Position the top rail (2) and fixed glass (3) as shown in figure 2 and connect fixed glass (3) to top rail (2) following the assembly sequence shown in figure 2. Note in figure 2, one door stopper (1) should be positioned between mounting holes in top rail (2) before connecting top rail to fixed glass.

NOTE: TOP RAIL IS ATTACHED TO THE INSIDE OF FIXED GLASS.

3. Slide the rail end assembly (6) onto end of top rail (2) to be connected shower wall. Loosely tighten the rail end assembly (6) into place on top rail (2) making sure the rail end assembly is fully engaged on top rail. See figure 3.
4. Locate the rail mount assembly (8) and remove the stainless steel fitting and glass connector parts from the metal sleeve. Loosen the set screws in metal sleeve and slide onto end of top rail (2) making sure the end of sleeve which is threaded is facing toward end of top rail. Loosely tighten set screws in metal sleeve to secure. See figure 4-1

Next assemble the stainless steel fitting and glass connector parts to top hole in return glass panel (5), following the assembly sequence shown in 4-2. The stainless steel fitting should be positioned to the inside of return glass panel (5) when complete.

5. Position the top rail / fixed glass assembly into place in your shower. Loosen the set screws in rail mount (8) next to glass panel (5). Next connect rail mount (8) to stainless steel fitting by threading rail mount and stainless steel fitting together and tighten into place. Tighten set screws in rail mount to secure to top rail (2). See figure 5.

NOTE: THE TOP RAIL ATTACHED TO FIXED GLASS SHOULD BE POSITIONED TO INSIDE OF SHOWER.

6. Using a level, verify the top rail (2) is horizontal and the fixed glass (3) is plumb, mark the rail end (6) location on wall. See figure 6-2
7. Insert the Fixed glass(3) into the Vertical channel (24). Mark the position of Vertical channel (24) on shower wall. Position the Vertical channel (24) with marked line on shower wall and mark the hole locations for attaching the Vertical channel (24) to the shower wall. See figure 7

NOTE: If your surface is prone to cracking or chipping then it is recommended that you pilot drill first using a smaller drill bit, and then step up to the final size.

8. Using the appropriate drill bit for your tray surface drill hole locations with 1/8" diameter drill bit.