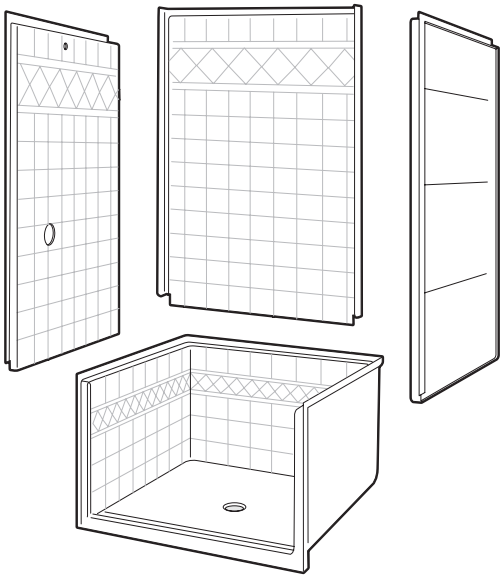
Multi-Piece Barrier Free Shower Installation Instructions



Materials and tools you may need for proper installation:

Materials:
- 3 tubes of 100% sillicone sealant
- Screws
  - Flat head wood screws for wood studs
  - Self-tapping sheet metal screws for metal studs
  - Flat head concrete screws for AcrylX floor flange
  - Counter sunk concrete screws for aluminium floor flange
- 1 - 50 lb. bag of concrete for bracing at threshold
- 2 - 50 lb. bag of concrete for bracing at drain
- 2 large soft cloths
- 3 gallons of water (for testing slope to the drain)
- Brass compression shower drain (provided by others)

Tools:
- Caulking gun
- Hammer
- Drill
- 1/8 in. Drill bit
- Screwdriver
- 4 ft. level
- 2 ft. level
- Torpedo level
- Black Marker (to mark the threshold)

NOTICE: Please inspect the unit thoroughly before installation to make sure it has not been damaged during transportation. Under no circumstances should a damaged unit be installed. Neither the manufacturer nor the distributor will be responsible for the removal or reinstallation costs should a replacement be necessary due to installation of a damaged unit

STORAGE AND HANDLING

- Do not store unit(s) outdoors. Keep out of sunlight and exposure to weather.
- Most handling damage is the result of impact blows to the back side of the shower unit.
- Stress cracks can develop when shipping boards are removed before the unit is positioned for final installation in bathroom.
- Placing objects inside the tub or shower may cause scratches, abrasions, or nicks to the finished surface.
- Storing units outside right-side up may cause sunlight to discolor the AcrylX finish. The unit may become unstable and is easily knocked over by wind or by being bumped.
- The back side of the shower unit is not waterproof. Unit must be stored so that water will drain off of the unit and not accumulate in any one spot. Water can permeate the back laminates and soak the glass enclosed wood supports causing bulges in the finished surface.
- Never drag these units on any surface. Always transport the unit by hand using two people or a two-wheel dolly.
- Do not clean the shower finished surface with metal tools of any kind, including razors
- Wall board with water resistant finished material must be installed to complete the shower enclosure.
- Do not remove the medallion identification number. Doing so may affect the warranty. This number may be found above the drain, or on the left or right hand corner of the unit.

Very Important for showers with thresholds 2 inches or less (Figure 1):
Shower stalls with a threshold of 2 inches or less must be stored and installed with care. During storage, this unit should sit in the same orientation as it is received. **It should be stored on 2" x 4" block of wood or some other material. Upon receipt of the unit, inspect the bottom to determine whether these blocks come factory installed. If they are not present, store the unit on blocks placed at the points illustrated in the top view below.** These units do not have wooden bottoms to reinforce the floors. By placing the unit on blocks, the drain will not touch the floor. This will allow the draft of the floor to be maintained without the weight of the shower unit pushing the drain upward. The blocks should only be placed at the outside corner edges of the unit and never placed under the middle of the threshold. This procedure should only be used during storage and not during installation. The blocks are there to protect the drain from being warped, and any blocks (factory installed or otherwise) **must** be removed from the bottom of the shower before installation.

FRONT VIEW

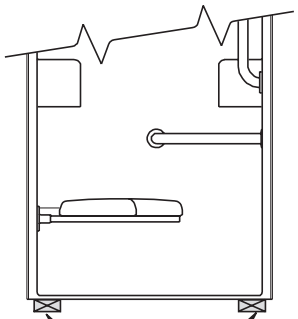
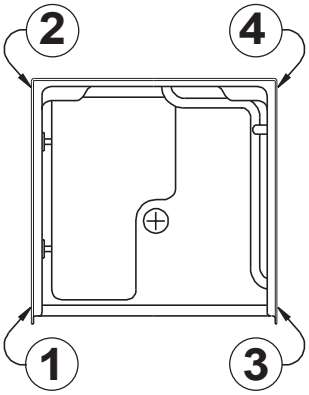


Figure 1

TOP VIEW



Barrier-Free Shower Stalls
For barrier-free shower stalls with a flat threshold, build up or recess the bathroom floor to be within 1/4" of the top of the threshold. For beveled thresholds, build up or recess the bathroom floor to ensure the floor meets the base of the bevel of the threshold. It is recommended that the bathroom floor outside the entry of the shower be designed with a floor drain to alleviate any water over spray that may escape the shower stall.

NOTE: INSTALLATION OF THESE SHOWER UNITS MAY BE SUBJECT TO CODE APPROVAL.
Refer to job prints and/or consult with the architect to see if your installation must comply with the Americans with Disabilities Act (ADA). These shower units install differently from typical residential showers. Installation may need to conform to requirements of ADA and other local codes. These requirements relate to the height of the threshold in relation to the finished floor. Certain showers will install directly on the subfloor and others will require a recess or a pit. These showers require special preparation of the installation site and very specific installation procedures to assure the shower drains properly and meets all code requirements.

LEVEL NOTE FOR BARRIER-FREE SHOWER BASE INSTALLATION:
Before you begin installation, ensure the subfloor is level and clear of debris and moisture. Level flooring in the area intended for installation is very important. The subfloor must be level to within 1/8". Do not shim the shower more than 1/8". If the floor is not level, it could result in the unit not draining properly.
For floors off-level more than 1/8": A fast curing thin set tile mortar may be used as a leveling compound.

NOTE: NO RECESS INSTALLATION
See Figures 2 & 3. This diagram illustrates the typical installation for units that do not require recessed installation to comply with ADA guidelines. A 10" x 10" x 1/2" deep box out (6" core drill) is required to be centered around the drain pipe. Ensure this area is prepared before installation. Do not extend box out past the front of the alcove (represented by dashed line).

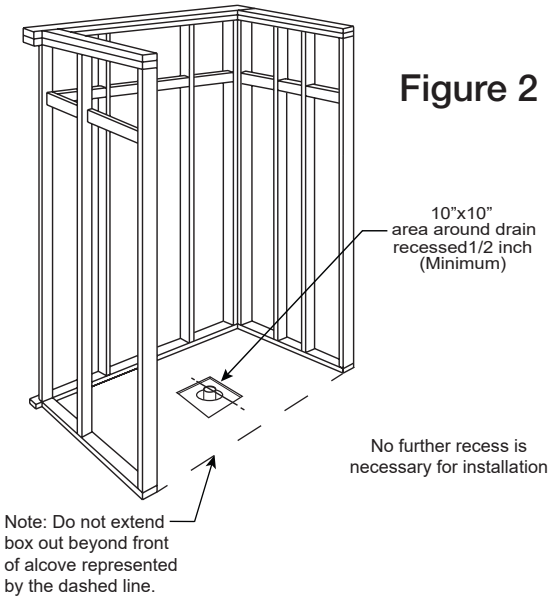


Figure 2

DETAIL OF DRAIN CORE AREA

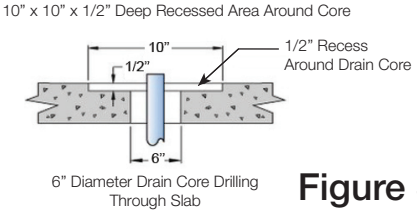


Figure 3

Pre-Installation Planning

1. Make sure the alcove is of proper size. Framing alcove must reflect dimensions on the technical data sheet. Note the required opening in the floor to provide clearance for the drain trap and fitting connection. Finish the rough plumbing, but do not attach the unit to the studs at this stage.
2. Review the job print and the manufacturer's rough-in dimensions; verify all key dimensions against the actual job conditions. Make sure the framed in alcove is of proper size, square, and plumb. Check the floor for levelness.
3. Do not forget to remove blocks that were used for storage of the unit.
4. If a fire-rated alcove is required, approved finish material must be in place prior to the unit's installation in order to meet fire safety requirements of the local building code and/or FHA/HUD Minimum Property Standards. NOTE: Finished alcove must still have interior dimensions shown on technical data sheet to permit installation of unit.
5. To avoid obstruction, make sure that all supply lines and valve plumbing are not strapped to the studs and do not project into the alcove. Drainpipe must also not project above floor level prior to installation.
6. Make sure all plumbing is complete and to code.
7. To prevent scuffing while installing the unit, cover the entire bottom of the unit with a piece of cardboard or other protective material.
8. Fasten drain fitting to unit before install. [See manufacturer's instructions]

NOTE: For installation on gypsum concrete refer to gypsum concrete manufacturer for information about adhesion

Standard Installation Instructions (for a foundation material bed install see page 7)

1. Ensure that the alcove is clean before continuing. Clear the area of dirt, trash, oil, grease, water, and other contaminants that may affect adhesion.
2. Check the dimensions of the alcove. Make sure walls are square and plumb, and that floor is level.
3. Disassemble wall set from base as shown. Set walls aside. See figure 4. CAUTION: While disassembling, secure walls to prevent damage. Pre-install unit to ensure alcove is plumb, level, and square (Described in steps 4-8).
4. Lift and place the base into framing. See figure 5.
5. Tap down on the base until level. Mark studs on all sides. Draw a line on the floor across the front of the unit threshold. See figure 6.

Figure 4

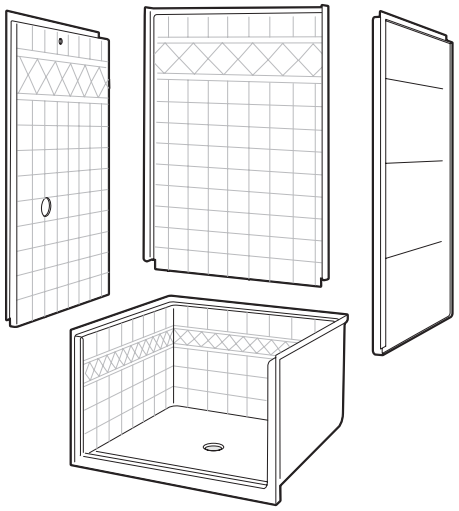
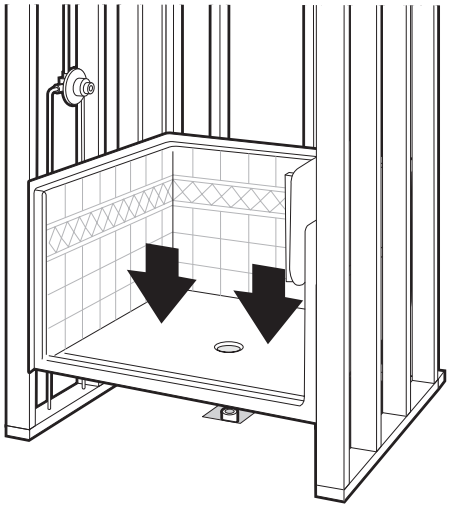


Figure 5



6. Lift and place the back wall onto the base. See figure 7.
7. Level the back wall vertically and horizontally. Shim the back wall or base if necessary. See figure 8.

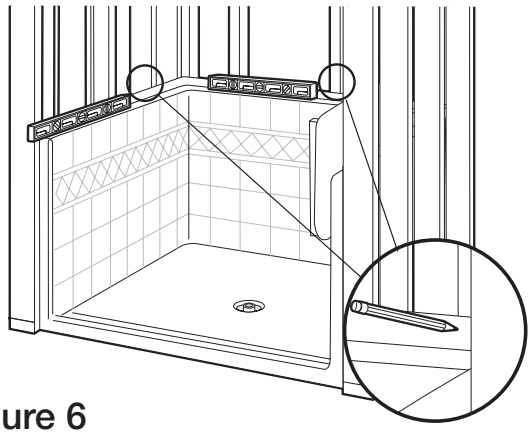


Figure 6

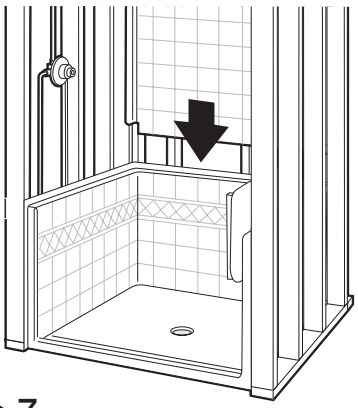


Figure 7

8. Dry fit remaining walls to ensure the unit fits properly inside the intended alcove, and pre-drill pilot holes every eight inches along the vertical flanges as well as at each stud along the horizontal flanges. See figure 9.
9. Remove the base and walls from the framing. See figure 10.
10. Install the drain assembly according to manufacturer's instructions. Tip: Remove the internal gasket. Set the unit into place and guide the drainpipe through the drain fitting using a hammer handle or similar object.

Figure 8

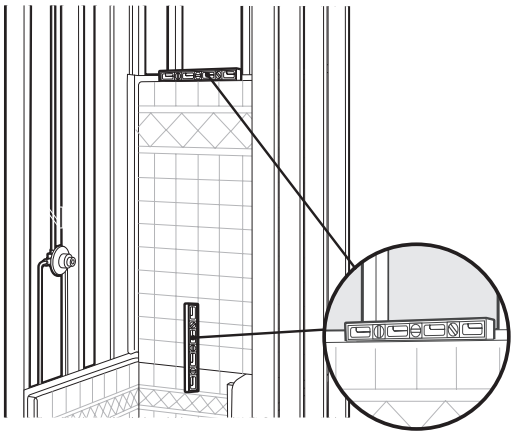
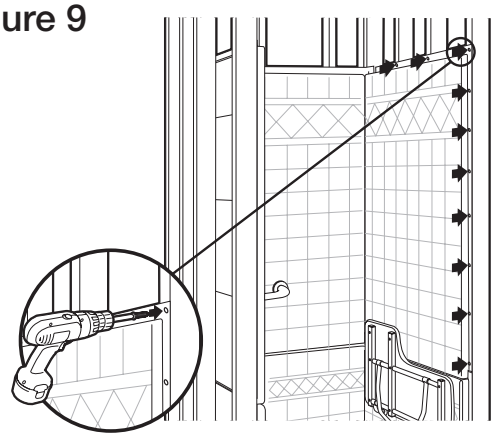


Figure 9



11. Apply 100% silicone sealant caulking pads, 3/4" high by 3" wide, equal distance side to side. Also apply a bead of silicone along the marker line drawn at the front of the alcove (refer to step 5), as well as along the outside of the 10" x 10" box out for the drain. See figure 11.
12. Replace the base into the alcove and recheck that the unit is level and plumb (refer to markings in step 5). See figure 12.

Figure 10

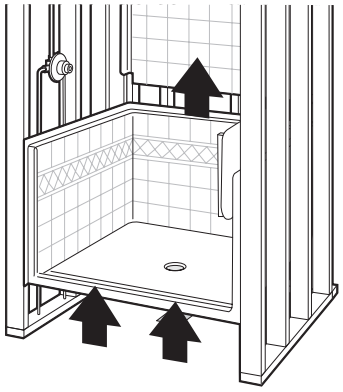
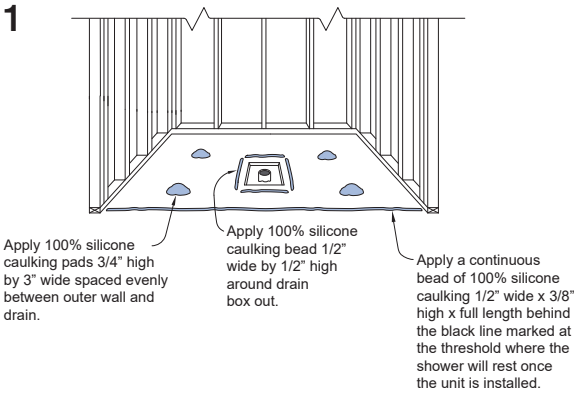


Figure 11



IMPORTANT: Do not step on the shower floor after it has been placed on the adhesive pads.

13. Fasten vertical nailing flange, if present, every eight inches. Fasten the horizontal nailing flanges at each stud.
14. Insert gasket around the drainpipe in the drain fitting and make final connections.

NOTE: Manufacturer is not responsible for leaking drain connections.

15. Test unit for proper drainage by pouring 3-5 gallons of water into the shower base and monitoring. If the unit does not drain properly, the unit must be pulled back up to determine where the problem lies. This should be done immediately before the materials have had a chance to set up.

WARNING: Continuation of installation without water testing will void the warranty service if water does not drain completely following installation.

Figure 12

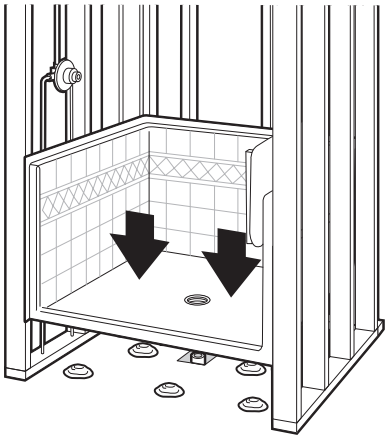
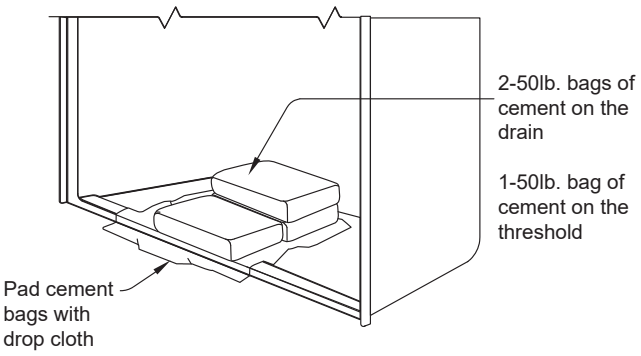


Figure 13



16. Place protective drop cloth on the shower floor before placing two 50-pound bags of concrete on the shower drain and one 50-pound bag of concrete on the threshold. See figure 13. Bracing bags of concrete can be removed after 72 hours (in heated environments - this will take longer in cooler environments). Walls should be installed once the base has been properly installed.
17. Lift back wall into position. See figure 14.
18. Check for level. See figure 15.

Figure 14

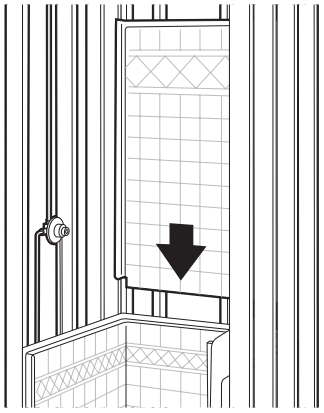
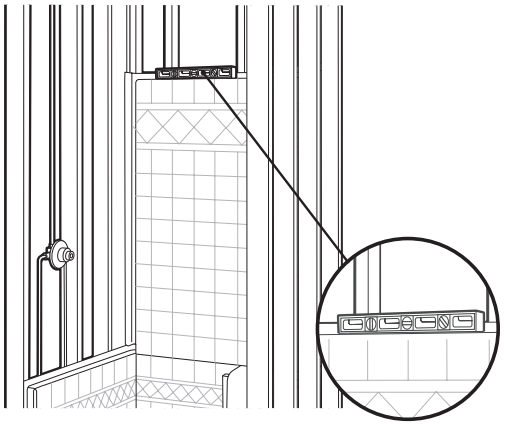


Figure 15



19. Fasten to framing at every stud along the horizontal nailing flange.
20. Silicone holes before inserting hardware. Fasten bolts and wipe off excess silicone. Attach grab bar flanges to wall and secure grab bar cover over the flanges. (NOTE: for 36” unit, 2 flanges are on the back wall). See figure 16.
21. Silicone front edge, avoiding weep channel if present. Place first side wall into position. See figure 17.

Figure 16

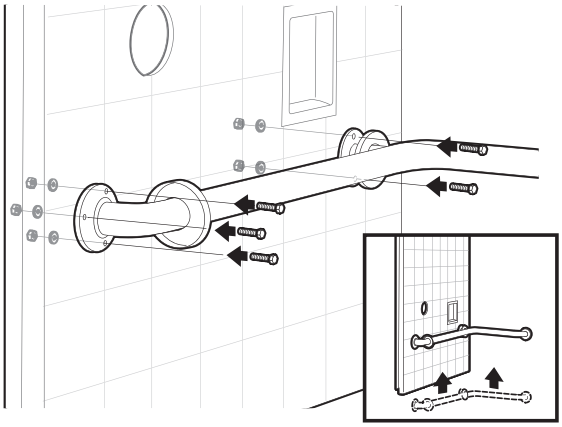
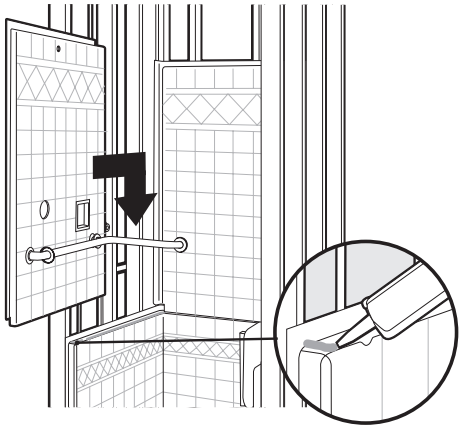


Figure 17



22. Check for level on unit and grab bar. See figure 18.
23. Fasten panel to framing at every stud and eight inches vertically through the mounting flanges. See figure 19.
24. Silicone holes before inserting fasteners. Attach grab bar to back wall and secure grab bar cover over flange. Wipe off excess silicone. See figure 20.

Figure 18

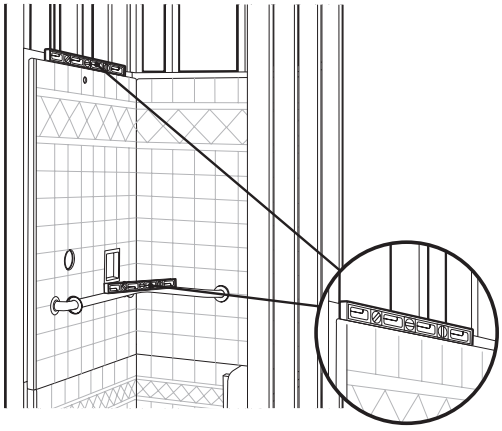
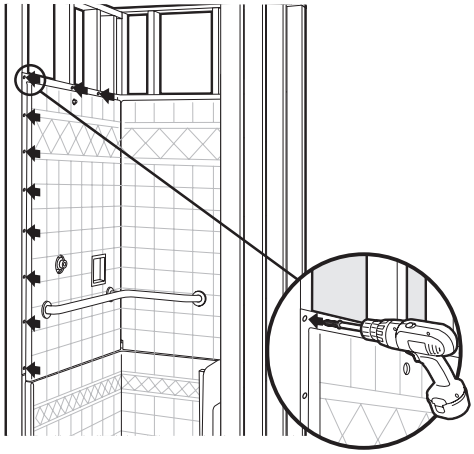


Figure 19



25. Silicone front edge, avoiding weep channel if present. Place the second side wall into position. Front reveal on the side wall and base should be flush. Check for level. See figure 21.
26. Fasten panel to framing at every stud and eight inches vertically through mounting flanges.

Figure 20

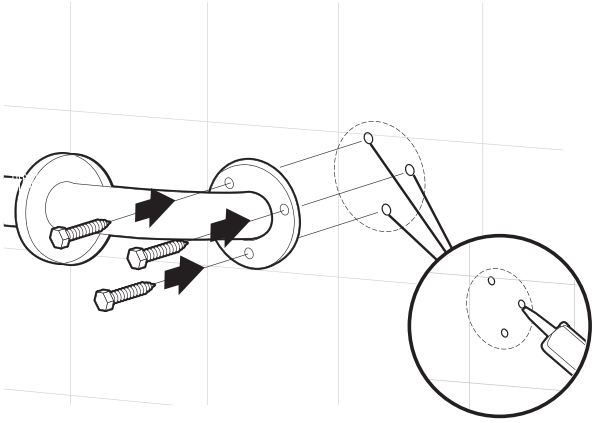
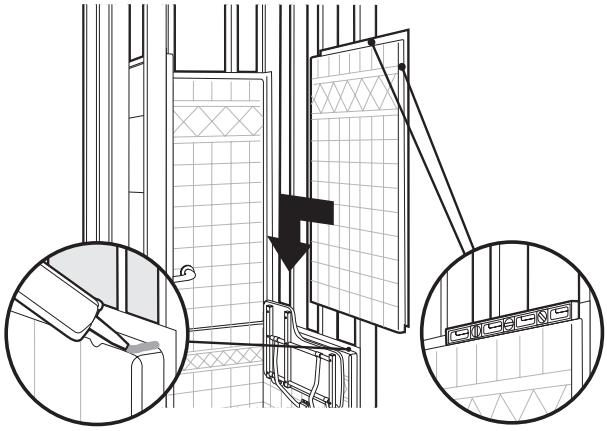
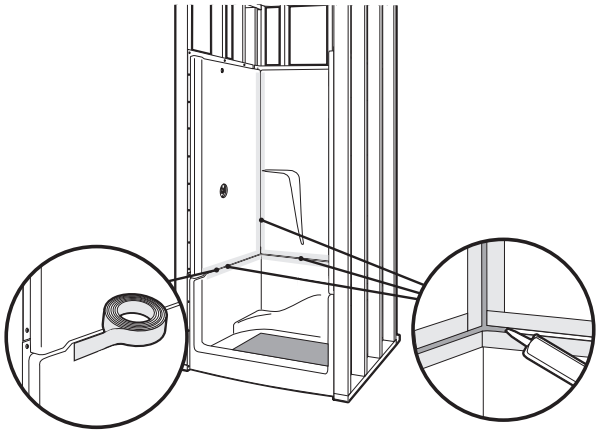


Figure 21



27. Clean the unit. Apply a strip of painter's masking tape along the inside edge of the seam where silicone sealant will be applied. Apply silicone to the joints/seams and smooth over with finger or caulking tool. While the silicone is still wet, remove the tape strips along joint edges. NOTE: Allow silicone to cure for 24 hours (normal cure time) before using the shower. Humidity affects the curing process and different geographical areas experience varying degrees of humidity. Refer to silicone manufacturer's instructions for additional information related to curing times. See figure 22.

Figure 22



Installation Instructions of Gypsum Concrete or Other Foundation Material

1. Install drain fitting on unit. Follow manufacturer installation instructions for the drain. Temporarily remove the internal gasket.
2. Refer to architectural drawings for the height of gypsum concrete or foundation material to be added after the unit has been installed. Use this height to determine the installation height of the unit. Mark this height on the studs with a marker.

   NOTE: The bottom edge of the front apron (threshold) and the bottom of the unit must contact the gypsum concrete or foundation material when it has fully cured.
3. Move the unit into place. Position the unit at the open end of the framed pocket. Align the lower edge of the apron with the mark made in Standard Installation Instructions - Step 5 and tilt the unit back into place. Carefully guide the drainpipe through the shower drain assembly. Lower the unit until it aligns with the marks that were made in Step 2.
4. Level the unit across the finished flat sides of the base and across the back edge of the base. Ensure that the unit is solid, plumb, and level in both directions.

Helpful Tip:
Temporarily remove the internal gasket. Set the unit into place and guide the drainpipe through the drain fitting using a hammer handle or similar object.

5. Mount the unit to the studs using appropriate screws.

   IMPORTANT: Do not step on the shower floor after it has been installed until foundation material has fully cured (Refer to material manufacturer for dry times).
6. Finish installation of the drainpipe into the shower drain assembly. If necessary, trim the pipe length. Insert gasket around the drainpipe in the drain fitting and make final connections. Walls should be installed once the unit base has been properly installed.
7. Test unit for proper drainage by pouring 3-5 gallons of water into the unit and monitoring. If the unit does not drain properly, the unit must be pulled back up to determine where the problem lies.

   NOTE: Manufacturer is not responsible for leaking drain connections.
8. Continue with standard installation instructions from Step 17 for the installation of unit walls.

Following the appropriate installation procedures is imperative for this product. Not following these procedures could result in product failure, which will not be covered under the manufacturer's warranty.

Questions?
Please call 1.800.443.7269 for US Customers