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**Tools & Materials you might need for proper installation**

**Materials:**

- 20 - 1.25" wood screws
- 2 - tubes of 100% Silicone caulk
- 1/8" shims (not provided)
- 1 - 50 lb. of bag of concrete for bracing at threshold
- 2- 50 lb. bags of concrete for bracing at drain
- 3 gallons of water (for testing the draft to the drain and mixing thin set)

**Tools:**

- Caulking gun
- Hammer
- Drill
- 1/8" drill bit
- Screwdriver
- Screwdriver attachment to match screws
- 4' level
- 2' level
- Torpedo level
- Black marker (to mark the threshold)

**Helpful Hints for Installation:**

- 2 - 5.5" pieces of PVC - These can be used to lay the product face down and roll it up to the framing pocket rather than sliding or picking it up.
- Please place cardboard from the carton into the bottom of the shower during installation to prevent damage to the finished surface.
- When placing shower into the frame pocket, you can use the handle of the hammer to align the pipe with the drain hole.

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**NOTE: INSTALLATION OF THESE SHOWER UNITS MAY BE SUBJECT TO CODE APPROVAL.** Refer to job prints and/or consult with architect to see if your installation must comply with ADA.

These shower units install differently from typical residential showers. Installation may need to conform to requirements of the Americans With Disabilities Act (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 sub floor and others will require a recess or pit. These showers require special preparation of the installation site, and very specific installation procedures to assure the shower drains properly and meets code requirements.

## STORAGE & HANDLING

Do not store units out of doors.- Keep out of sunlight and exposure to weather.

1. Most handling damage is the result of impact blows to the back side of the shower units.

2. Stress cracks can develop when shipping boards are removed before unit is positioned for final installation in bathroom.

3. Placing objects inside of tub can cause scratches, abrasions or nicks to the finished surface.

4. Storing units outside right-side up can cause the sunlight to discolor the acrylic finish. Also, unit becomes unstable and is easily knocked over by wind or bumping.

5. The back side of the shower unit is not waterproof. Unit must be stored so that water will drain off of unit and not accumulate in any one spot. Water can permeate the back laminates and soak the glassed in wood supports causing

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bulges in the finished surface.

6. Never drag these units on any surface. Always transport the unit by hand using (2) people or a two-wheel dolly.

7. Never let these units drop from any height, not even an inch.

8. Never clean the shower finished surface with metal tools of any kind, including razors.

## **\*\*Very Important for Showers with Thresholds 2" or Less:**

See Figure 1

Shower stalls with thresholds of 2 inches or less must to be stored and installed with care. During storage this unit should sit as it is received. It should be stored with a 2" x 4" block of some other type of material at each of the (4) points numbered above in the top view. These units do not have wooden bottoms to reinforce the floors as conventional showers have. By placing the unit on some type of blocking, 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 should never be placed under the middle of the threshold. This procedure should only be used during storage and not during installation.

## **RECESS INSTALLATION** See Figure 2

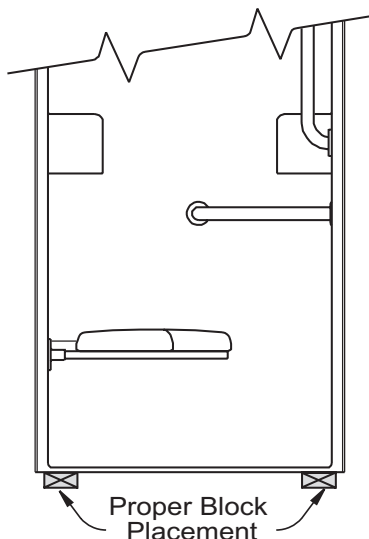
This diagram illustrates a typical installation for showers that NO RECESS NECESSARY have vertical thresholds 3/4" to 2" high. The recess allows the shower to be installed below the finished floor level. The recess is deep enough so the shower threshold will be at the acceptable height above the finished floor. An alternative to the recessed installation is to either build up the entire room floor to be even with the top of the threshold, or to construct a ramp to the shower entry.

## **NO RECESS INSTALLATION** See Figure 3

This diagram illustrates a typical installation for showers that do not require recessed installation to comply with ADA guidelines. This style shower is illustrated in Figure 2. They are for 36" x 36" inside dimension showers with vertical thresholds no higher than 1/2".

Figure 1

**FRONT VIEW**



**TOP VIEW**

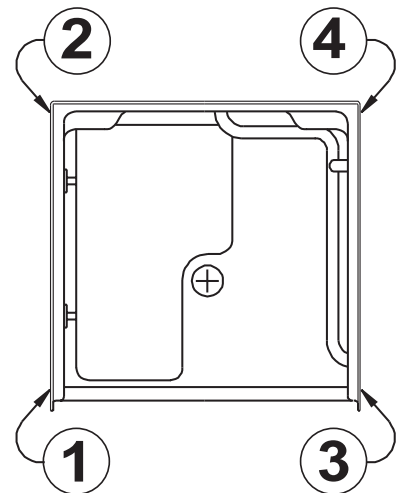


Figure 2

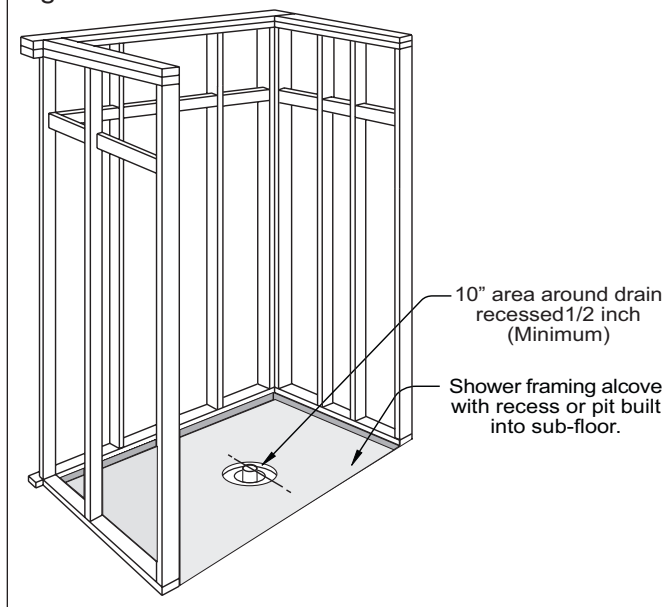
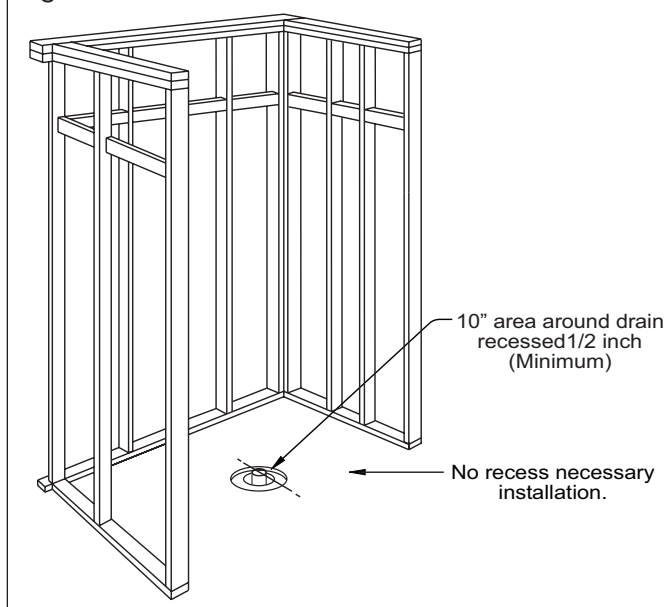
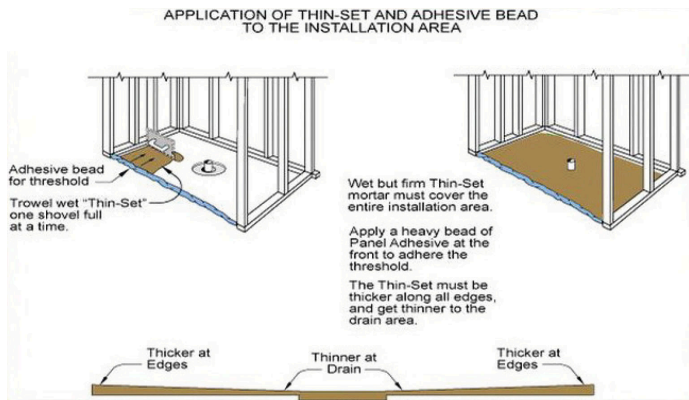


Figure 3



For Floors that are out of level or to avoid flexing,  
an application of rapid curing thin-set is  
recommended.



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## SHOWER INSTALLATION

**Note:** The shower threshold and 3 back legs have been factory cut level on all Barrier Free Showers. At the time of installation, ensure the flooring is level. If the floor is not level, the outcome of the installed unit could possibly result in difficulty with the installation. In addition, the area must be clean and free of debris and moisture.

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. (see picture 1)

1. Place the shower into the intended alcove to confirm proper placement of the drainpipe and sizing of the above. **\*\*Helpful tip:** Place two sections of 1/2" PVC pipe on floor to help slide and tilt unit into position. (Remove PVC Pipe before proceeding to step 2.) Draw a line on the floor where the front of the threshold lies.

2. Remove the shower from the alcove by leaning it forward, so that it can be laid on its front flanges.

3. Clean the area of all dirt, trash, oil, grease, water and other contaminants that may affect adhesion.

4. Apply 100% silicone caulking bead 1/2" wide by 1/2" high around the box out. (See Figure 4)

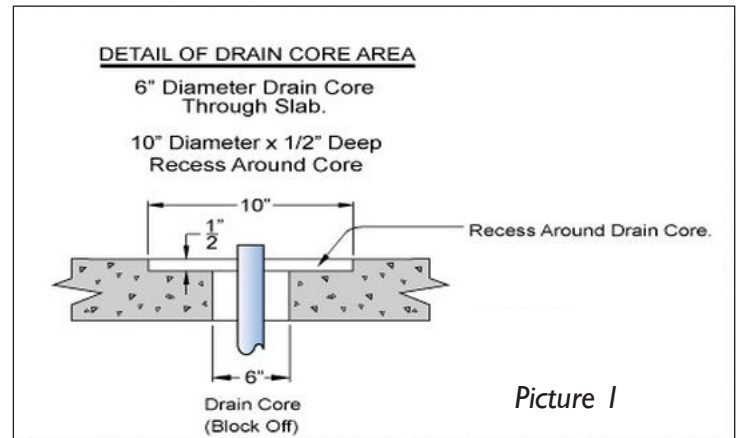
5. Apply 4- 100% silicone caulking pads 3/4" high by 3" wide halfway between outer wall and drain. (See Figure 4)

**NOTE: YOU DO NOT NEED TO BACKFILL THE DRAIN LOCATION WITH BEDDING MATERIAL**

6. Next, apply a continuous bead of 100% silicone caulking 1/2" wide x 3/8" thick x length behind the black line marked at the threshold where the shower will rest once the unit is installed.

7. Install the drain provided in the shower prior to setting it into its final position, but do not store the shower on its bottom while the drain is installed.

**\*\*HELPFUL TIP: TEMPORARILY REMOVE DONUT SEAL.\*\***



Picture 1

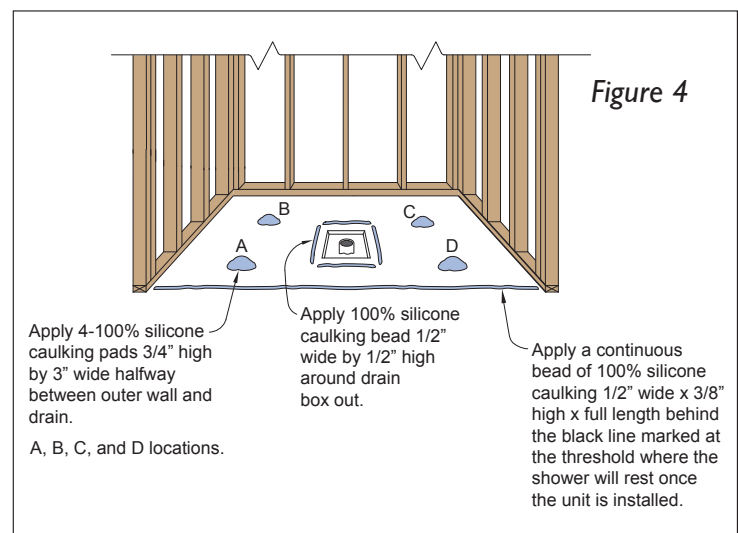


Figure 4

Picture 2



Picture 3

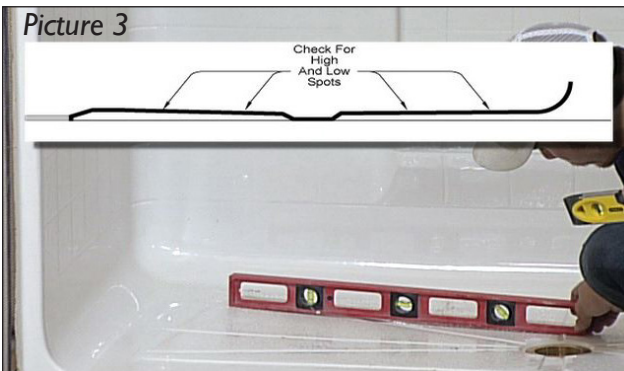
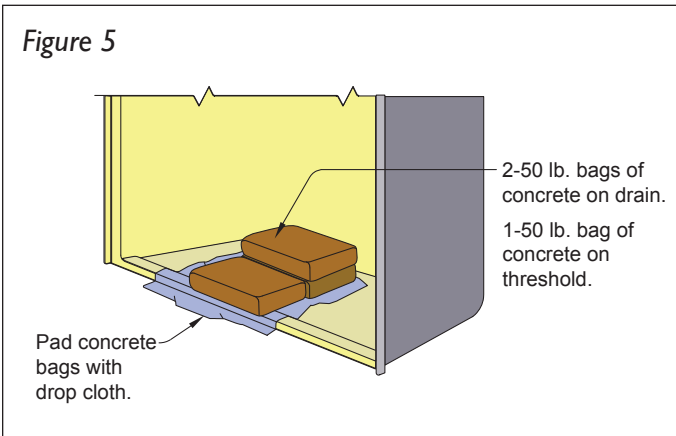


Figure 5



8. Set the shower into place and guide the drainpipe into the drain by using the handle of a hammer or similar object.

9. Level the shower and set plumb. If the floor is not level, it will require the use of shims (not provided) to level the shower. (See Picture 2)

If shims are required, they should be placed no more than 6 inches apart to provide proper support. **DO NOT SHIM THE UNIT MORE THAN 1/8"**. If the shower requires more than 1/8" shim adjustment, the shower will need to be pulled out and the floor will need to be leveled. Ensure the drain is lined up in the appropriate areas.

10. Secure the shower to the framing members through the flanges using 6D galvanized screws on 8" centers.

11. Place 2-50 lb. bags of concrete on the drain. (See Figure 5)

12. Place 1-50 lb. bag of concrete on threshold. (See Figure 5)

13. A 2ft level should be placed from floor to ensure the unit has proper slope and drainage. If unit does not drain properly, the unit must be pulled back up to determine where the problem lies. This should be done immediately after step 12 before the materials have had a chance to set. (See Picture 3)

14. Unit should be walked in and found to be stable with minimal flex.

15. All bracing can be removed after 12 hours after 100% silicone adhesive has been applied.

**\*\*THE DRAIN CONNECTION SHOULD BE TIGHTENED AFTER THE FLOOR HAS BEEN BRACED, CURED, AND THE BRACE REMOVED i.e. 12 HOURS AFTER INSTALL.\*\***

**\*\*CHECK THE FLOOR TO ENSURE THERE ARE NO HIGH SPOTS AND THE DRAFT HAS BEEN MAINTAINED. (See Picture 6)\*\***

**\*\*ATTENTION: THE THRESHOLD MUST BE FLAT ACROSS THE FULL WIDTH WITH NO BOW AND LEVEL TO THE FLOOR.\*\***

Following the appropriate installation procedures is imperative on this product. Not following these procedures could result in product failure which will not be covered under manufactures warranty.