

This installation instruction provides written and visual guidance for the installation of a Freedom barrier free 4 or 5 piece shower. An installation video is available on our website www.FreedomShowers.com for any of the above listed product pages.

RECEIVING THE SHOWER UNIT

INSPECTION REQUIREMENTS:

An able-bodied adult must be present during the arrival of your unit to receive, inspect (*see image AP BF 1*) and note on the bill of lading any visual damage to the carton or crate that may have occurred during transit (*see image AP BF 2*). Do not allow the driver to leave until this is done, failure to do so may limit or void your claim with the LTL carrier for repair or replacement.

DELAYED INSPECTION:

If the unit cannot be adequately inspected on the spot (due to inclement weather, or if the driver doesn't allow enough time) we recommend signing the bill of lading with the added note "Subject to Further Inspection." Adding this phrase gives you a small window of opportunity to properly inspect the shipment, even after they leave, in case you need to submit a damage claim. Without this phrase the freight companies are released from liability.

DOCUMENT CONDITION OF CRATE:

Photograph any suspicion of damage for your records and contact Accessibility Professionals immediately (*see image AP BF 3*).



DRY ASSEMBLE:

Now is the time to dry assemble your modular shower prior to moving into the bathroom space. This procedure can be performed on any clean, dry, and open space (see *image AP BF 4*).

SNAP A PHOTO:

Take a picture of the unit now to ensure that:

- You have received the correct panels
- You have received the correct drain location
- The panels and pan are free from damage and defect
- And the panels align properly when assembled prior to installing in the framing pocket.

CHECK ACCESSORIES:

Check all loose accessories to confirm you received what you ordered and inspect for any damage during transit (see *image AP BF 5*). Any defects, damage or misalignment should be photographed and reported immediately to Accessibility Professionals at: **1-877-947-7769**.



HELPFUL HINT

It is wise to delay demolition of the existing bathtub area until you are confident that your unit has arrived intact, and is the correct size and handing.

This way your customer won't be without a working bathroom if you have to wait for a replacement.

Required Tools:

Hammer
1/8" counter sink drill bit
Flat head screw driver
Utility Knife
Plumb bob
Drill with Phillips or Square tool
Caulking Gun

5 Foot Level
2 Foot Level
3 Buckets 5 gal
Tape Measure
Safety Glasses
Latex Gloves
Sharpie marker or Pencil

Thin-set mixing tool for drill



Materials Needed:

#8 or #10 SS Flat Head Wood Screws
Cardboard
Masking Tape
Shims-wood or composite
I-Tube White or color matching bathroom
Caulk 3-Tubes 100% Clear -Silicone Adhesive
Large Wiping Cloths

Denatured Alcohol
Goof off cleaner
Plumbers grease
Plumber's putty
2" Caulkless Drain
Bag of Rapid Cure Thin-set Mortar

The Following Is A List Of “Quick Connect” Tools & Materials Recommended With Factory Provided Shower Valve Option



Standard ½” Close Coupling MIPT
Pex pipe ½” (Red-Hot, White-Mixed,
Blue-Cold)

Shark Bite Brand Code Compliant
Qty 2 - MIPT x ½” Push On Elbow
Qty 1 - MIPT x ½” Push On Coupling
Qty 2 - ½’ x ½” Push On Coupling

Qty 1 - Elbow Supply High/Low Eared
Shark Bite Brand Fitting Removal Tool
Pipe Thread Compound



QUICK CONNECT FRAMING:

For this option, the framing cove where the valve will be located must be prepared in advance by creating a window size frame to receive pex pipe in a looped pattern to prevent kinking and allow ease of connection from the valve to the water supplies (see image AP BF 6).



AP BF 6



SUBFLOOR REQUIREMENT:

The subfloor must be solid and Non-Flexing to ensure your shower base has a solid non-flexing support.

BE PROACTIVE TO SAVE TIME:

Since you will not know the condition, structural integrity and level of the subfloor beneath the old tub in advance, save time by having the materials you need on hand.

MOST FLOOR ARE NOT PERFECTLY LEVEL:

Be prepared for out of level floors. Purchase in advance a 40lb BAG OF RAPID SET MORTAR (also referred to as latex modified thin-set) to level floor and permanently adhere the shower base. This product is readily available at your local Tile store or big box home center. You will need a 5 Gal bucket, water, a mixer tool attachment to your drill or a hand stick. This procedure may be used on UNLEVEL OR LEVEL SUBFLOORS. Should your SUB FLOOR be LEVEL, you may use 3 tubes of 100% silicone. For more information SEE page 10.

NOTE: Adjustments will likely be needed.

PREPARE FRAMING POCKET:

Check the framing pocket to ensure it is sized correctly (see image AP BF 7) with the dimensions provided on the Framing Diagrams at the back of these instructions. Next, check the pocket (see image AP BF 8) level and make the necessary adjustments.

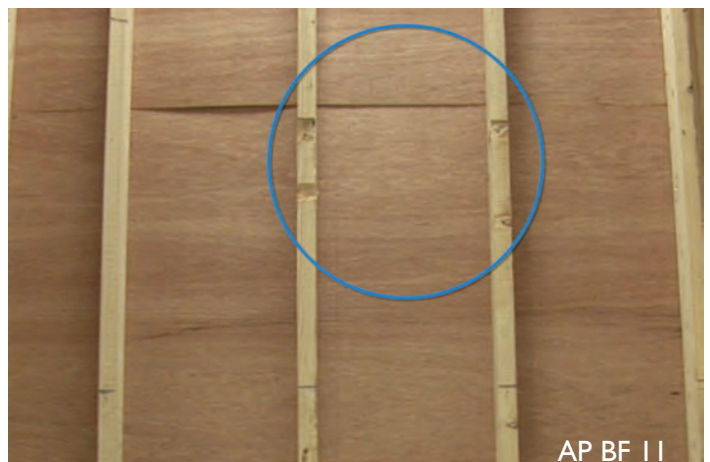
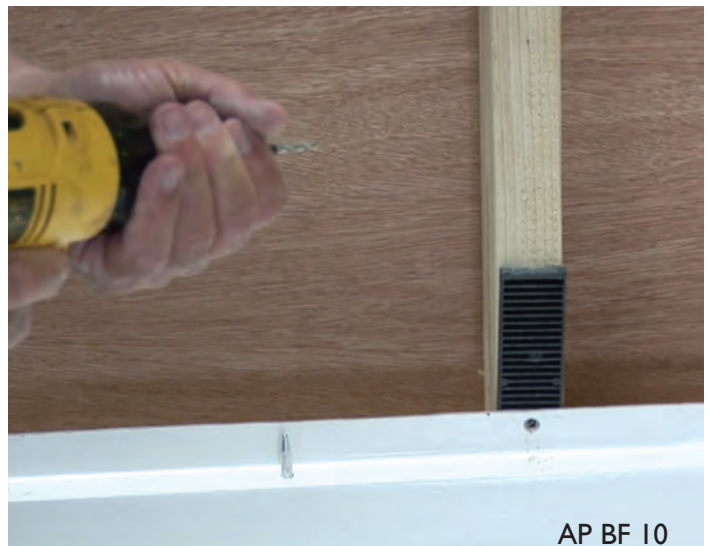


ENSURE THE WALL IS PLUMB

Stud walls are often deceptive when it comes to being plumb and straight from top to bottom. 1/8" out of plumb is enough to disturb proper assembly of shower walls.

Start by hanging a plumb bob from the top of the framing beginning on the back wall. THIS IS CRITICAL TO YOUR INSTALLATION (see image AP BF 9). In the absence of a plumb bob, a tall 5 or 6 foot level may be used. In this demonstration the wall leans in at the top and is not plumb.

SOLUTION: If stud walls leans forward toward the top of the wall, two corrective procedure are available. Prepare to shim the shower base away from the wall (see image AP BF 10) This proactive adjustment will allow easy installation of wall panels. If you miss this step and install the base, you will need to notch the studs with a wood chisel in the mounting flange areas to achieve plumb back walls allowing for proper assembly and consistent grout lines in corners where back and side walls come together. (see image AP BF 11)





TIP REMINDER: BE PROACTIVE TO SAVE TIME.

Since you will not know the condition, structural integrity and level of the subfloor beneath the old tub in advance, save time by having the materials you need on hand.

MOST FLOORS ARE NOT PERFECTLY LEVEL. Level subfloors and plumb walls are essential to **TROUBLE FREE PERMANENT ASSEMBLY** of your shower base and walls. For out of level floors, purchase in advance a **40LB BAG OF RAPID SET MORTAR** to level floor and permanently adhere the shower base. This product is readily available at your local Tile store or big box home center. You will need a 5 Gal bucket, water, a mixer tool attachment to your drill or a hand stick. Should your **SUB FLOOR** be **LEVEL**, you may use 3 tubes of 100% silicone. For more information **SEE** page 10.

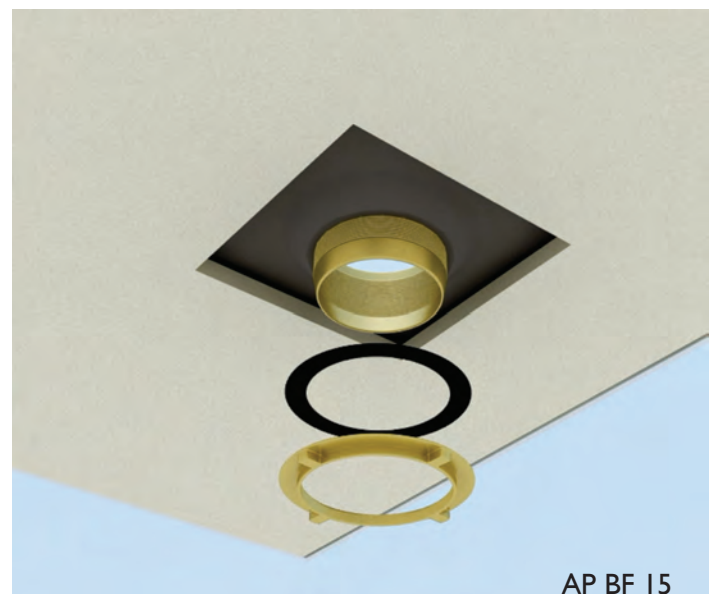
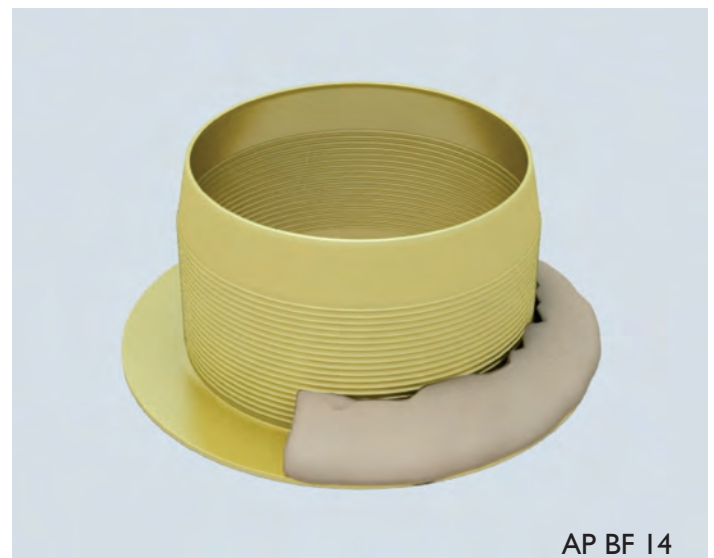
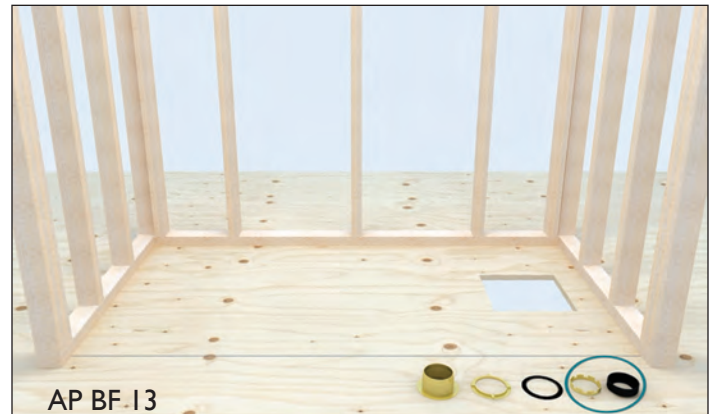


AP BF 12

DRAIN INSTALLATION:

Remove the inside neoprene gasket and compression ring from the drain and set aside for a later step. (see *image AP BF 13*)

Install the 2" caulk shower drain body on the pan with plumbers putty (see *image AP BF 14 & 15*). Tighten the nut until snug and excess putty squeezes out around the flange. Remove excess.



PREPARE DRAIN PIPE:

Prepare drain to meet local plumbing codes (see image AP BF 16).

DRAIN CORE PREPARATION:

CRITICAL STEP

The details for the drain core area can be found on the Framing Diagram page in the product specification sheets. A 10" x 10" x 1/2"

opening around the drain is required to receive the shower pan and prevent the drain area from being pushed up out of its engineered position. (see image AP BF 18a).

For a commercial or home installation on concrete floors the same opening around is required. (image AP BF 18b).

WITHOUT THIS CUT OUT THE PAN WILL NOT DRAIN PROPERLY. CAUSING PUDDLING IN YOUR SHOWER.

Stub out and extend the drainpipe 2 to 4 inches above the floor (see image AP BF 17).

CLEAN POCKET AREA OF DEBRIS:

Ensure pocket is clean from all debris, even a small pebble can affect the draft to drain (see image AP BF 18).

DRY FIT PAN: Dry-fit your pan to ensure it fits in the frame properly (see image AP BF 19).

CHECK DRAFT TO DRAIN:

Check draft to drain. Temporarily fasten to wall with one screw, shimming if necessary. Draw a line on the subfloor indicating the front point of the threshold (see image AP BF 20). Remove pan, now it is time to install the drain body .



AP BF 20



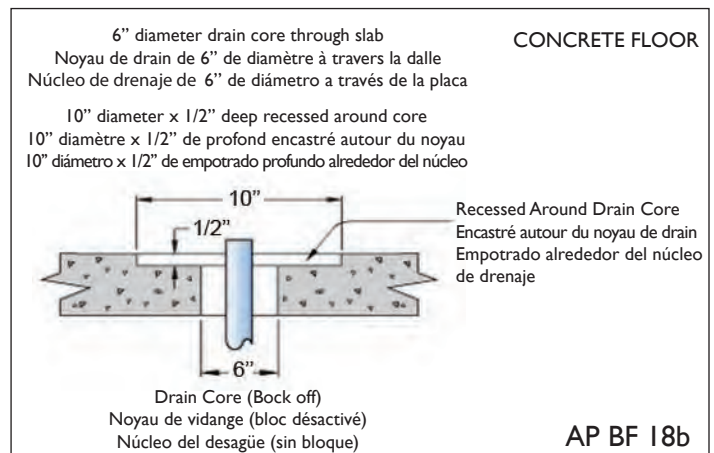
AP BF 16



AP BF 17



AP BF 18a



AP BF 18b



AP BF 19

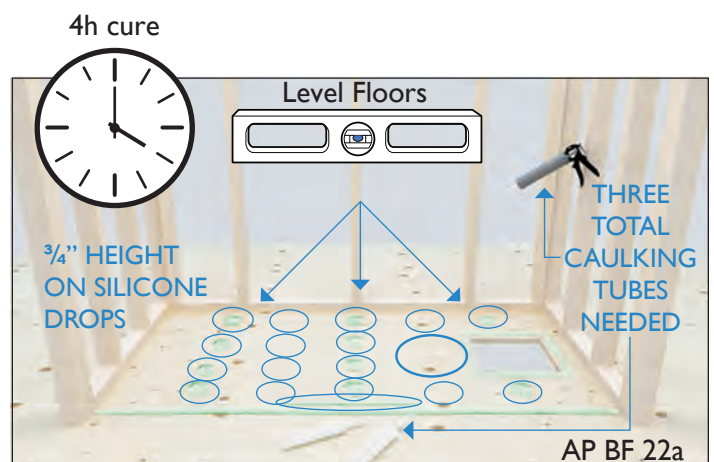
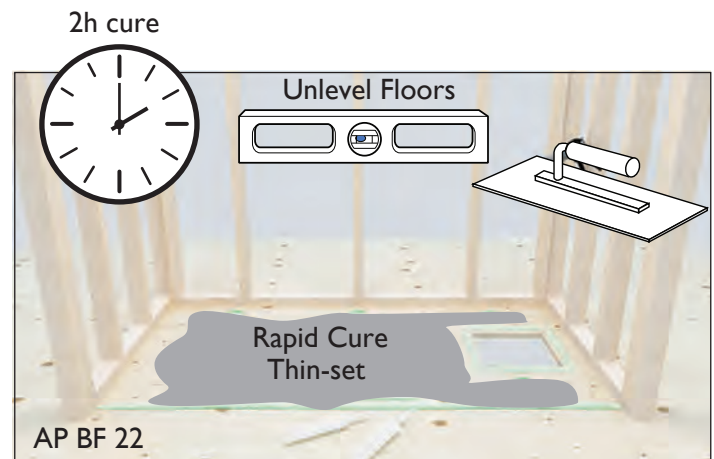
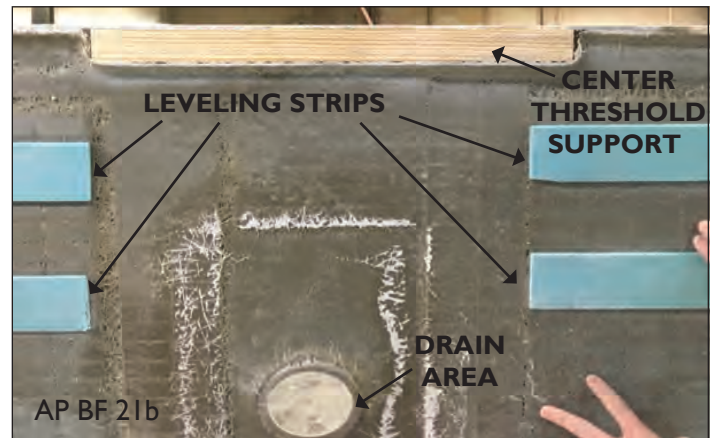
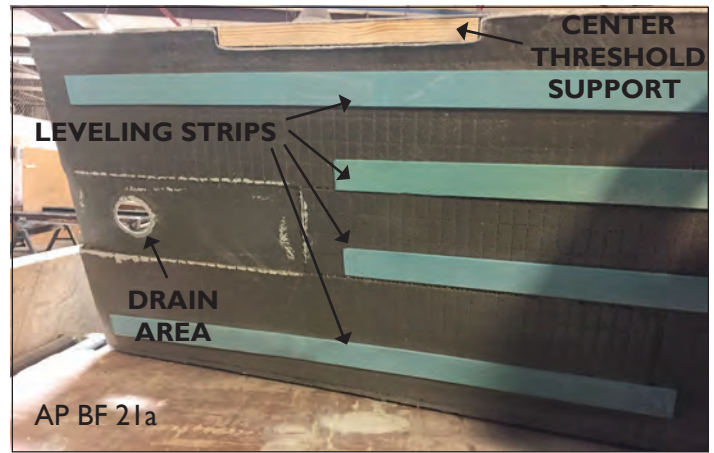
PREPARATION TO BOND BASE TO FLOOR:

UNLEVEL SUBFLOORS (IMAGE AP22)

Installer shall apply a rapid curing thin-set tile mortar (often referred to as latex modified thin-set) to **LEVEL** and **ADHERE** the base to the subfloor in a **ONE STEP PROCEDURE**. Available at tile stores and home centers, refer to manufacturer cure times. Apply to all area in measured amount in accordance with need as shown including perimeter of the drain area and thin layer beneath threshold support brace to ensure a permanent strong non-flexing base. Pull base back to ensure contact is uniform, add or remove excess as needed to achieve proper level and support. This procedure may be used on **UNLEVEL OR LEVEL SUBFLOORS**.

LEVEL SUBFLOOR (IMAGE AP22A)

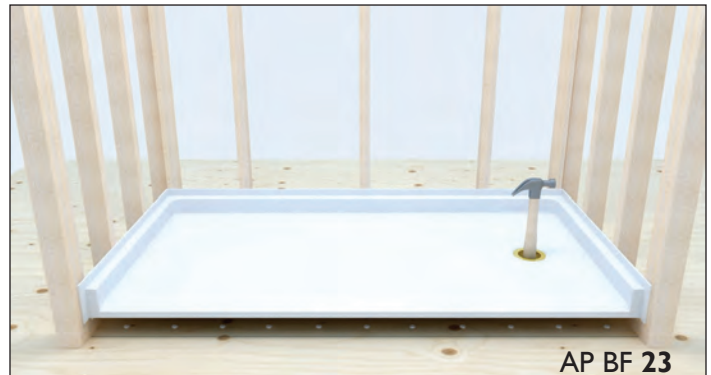
Transfer the location of all identified area where adhesive shall be applied to bond the base to the subfloor using a marker or grease pencil. This shall include the leveling strips, the center of threshold support and the area surrounding the drain resulting in strong non-flexing base. Apply approximately 3 tubes of clear 100% silicone adhesive in 2" -3" diameter puddles at least $\frac{3}{4}$ " in height to ensure robust contact in an evenly spaced pattern to previously marked areas on subfloor. Apply larger size puddle in drain area and a line of adhesive beneath threshold support brace as shown to ensure a permanent strong non-flexing base. This procedure should not be used on **UNLEVEL SUBFLOORS**.



INSTALL PAN:

Place in permanent position. Place level on flange back and side flanges and adjust until your bubble is perfectly centered between the center lines. **LEVEL IS VERY IMPORTANT TO NEXT STEPS.** Shim pan away from back wall if necessary (referenced on page 6 ENSURE WALLS ARE PLUMB SOLUTION) Secure shower base to all available studs by counter sinking the #10 stainless steel wood screws (see image AP BF25) This allows the screw heads to be flush with the finished flange so as not to interfere with finished wall installation.

Check for level and draft to drain one final time (see image AP BF 26). This will be the last opportunity to ensure a perfectly level pan that has draft to the drain before installing the walls.



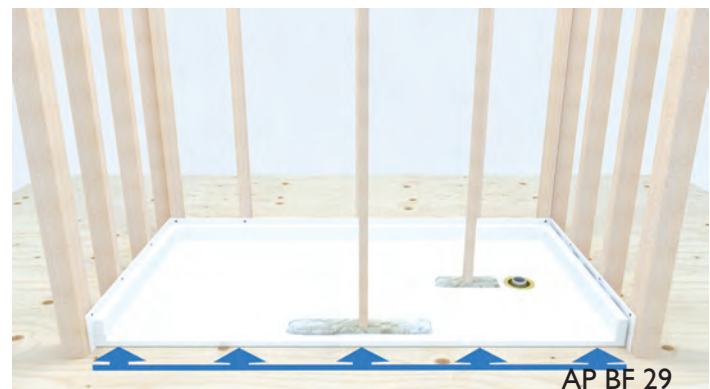
SECURING PAN TO FLOOR:

While the adhesive cures, the pan needs to be secured to the floor. There are two possible methods to achieve this.
(see *image AP BF 27*)

I. BRACING

This is the preferred method which consistently provides the best results.

Place padded pieces of wood as close to the drain as possible (see *image AP BF 28*), and close to the front of the threshold for flush contact to the subfloor (see *image AP BF 29*). Brace securely with 2" x 4" studs against the ceiling. Leave intact for 4 hours (see *image AP BF 30*), then check draft again.



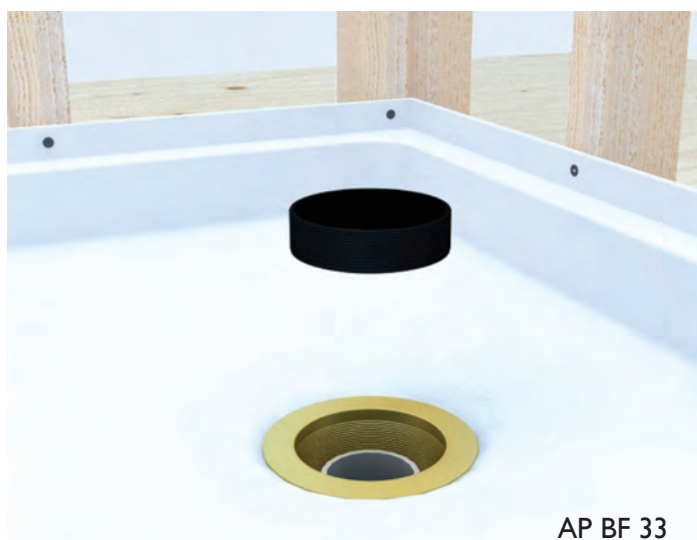
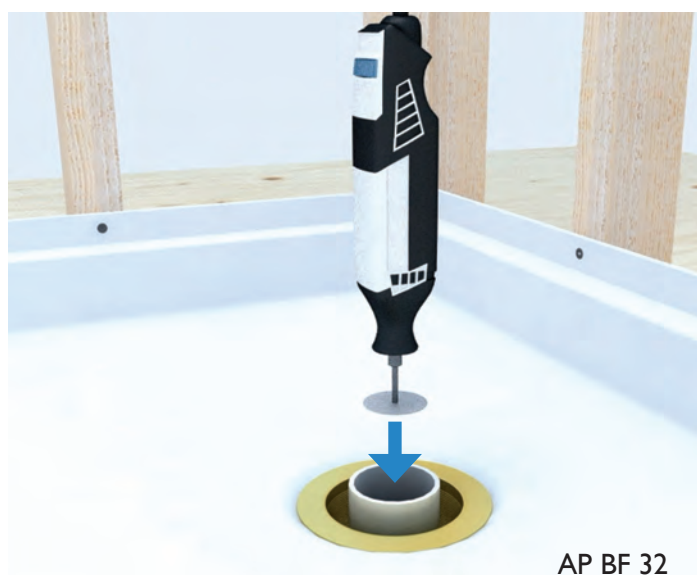
BRACING (cont...)

II. ALTERNATE BRACING METHOD:

If bracing is not possible, you can weigh the pan down with 5 gallon buckets filled with water (see image AP BF 31) Curing time can be as rapid as 2 hours depending on material, temperature and humidity in the installation environment. Check manufacturer adhesive instructions on the label or online for estimated curing time.

COMPLETE DRAIN CONNECTION:

Cut the drain pipe to be even with the top of the rubber gasket using an inside pipe cutting tool (see image AP BF 32). Using plumbers grease, lubricate the inside of the rubber gasket and slide over the drain pipe with beveled edge facing up (see image AP BF 33).



COMPLETE DRAIN CONNECTION (cont...):

Push down until rubber gasket seats itself. If there is positive draft, you may now tighten the compression nut (see *image AP BF 34*).

Snap the grid drain into place (see *image AP BF 35*).



APPLY PROTECTION TO FLOOR:

Place protection on the floor to prevent scratches and dings to the finish while completing the assembly process. The protection can be cut from the cardboard packaging as the example shown here (see *image AP BF 36*).



PIN & SLOT:

Your shower features a pin and slot system that enables you to install all panels from the front finished side without requiring rear access.



CAULK INTERIOR SEAMS BEFORE SETTING WALLS:

Caulk back wall pan ledge, be sure to encircle all pins (see *image AP BF 37*). Set the lower back panel into place. (see *image AP BF 38*) Check for level. Notice the notched studs as mentioned earlier. Secure to studs with screws, shimming or notching where necessary (see *image AP BF 39*).



CAULK INTERIOR SEAMS BEFORE SETTING

WALLS (cont.):

Repeat process for upper back panel (see images AP BF 40, 41, 42, 43).



STANDARD VALVE INSTALLATION:

Refer to valve manufacturer's instructions for conventional sweat installations. Repeat side wall installation above.

QUICK CONNECT PROCEDURE:

For valve installations with pex connections, find the desired location of your valve and apply protective masking tape over the area to be cut (*see image AP BF 44*).



TIP:

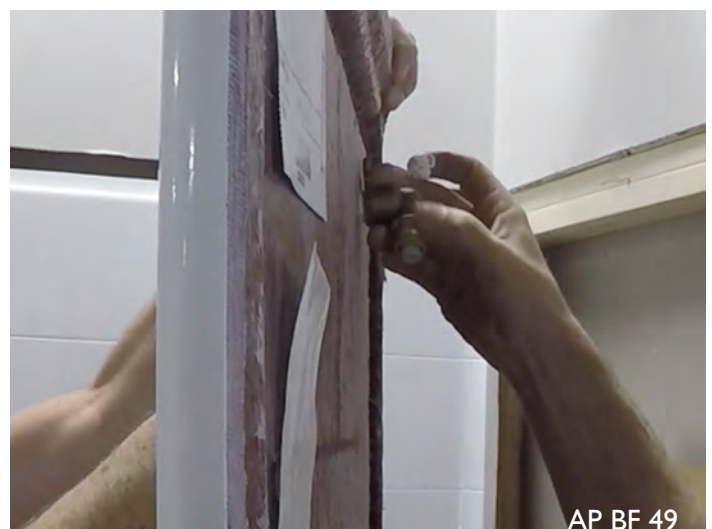
Each wall panel has steel rod supports around the perimeter. Be sure to check that where you are about to drill does not interfere with one of these rods (*see image AP BF 45*).



VALVE INSTALLATION:

Mark the center of your valve and drill a hole in the diameter listed in your valve instructions. Then drill a 1" hole for the supply outlet (see images AP BF 46 & 47).

Mount the valve directly to the panel by connecting the front trim plate to the valve body using the mounting screws provided by the valve manufacturer (see image AP BF 48). Next, mount the supply outlet to the shark-bite-eared-elbow (see image AP BF 49).

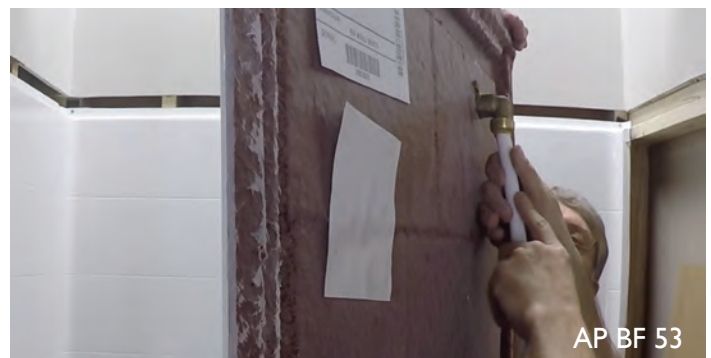
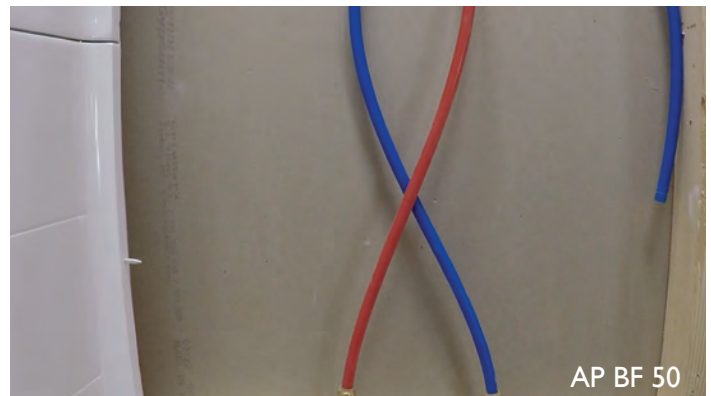


FRAMING COVE PREPARED IN ADVANCE:

The framing cove has been prepared to receive pex pipe in a looped pattern to prevent kinking and allow ease of connection from the valve to the water supplies (*see image AP BF 50*).

CONNECT:

Connect the hot and cold water pex supply lines using pex or shark-bite fittings (*see image AP BF 51*). Notice the installers are using 90 degree fittings which work best in this application (*see image AP BF 52*). Next, connect the shower head supply line to the elbow outlet (*see image AP BF 53*).



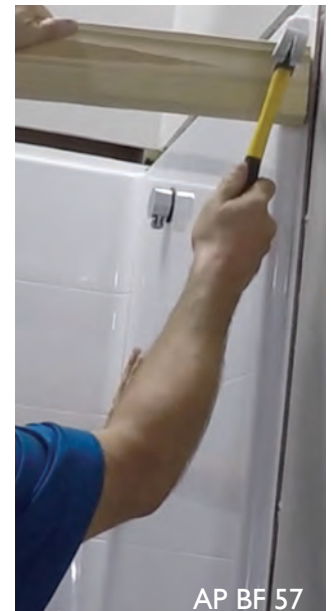
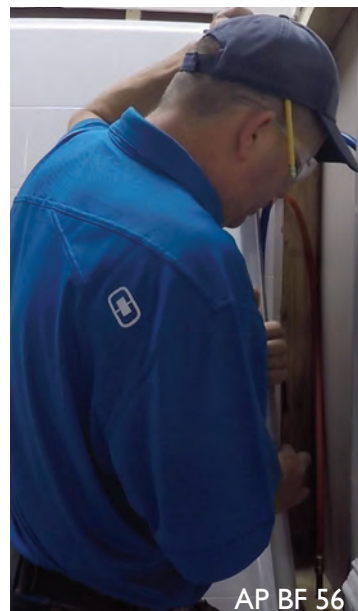
TEST FOR LEAKS:

Now is the time to turn the water back on and test for leaks (see *image AP BF 54*).

FINISH CAULKING:

Caulk all seams (see *image AP BF 55*). Set the side wall panel on ledge and slide backward into place (see *image AP BF 56*).

This may require force using a wood block and hammer as shown (see *image AP BF 57*). Check for level and secure to studs using shims where necessary (see *image AP BF 58*).



INSTALL END WALL

Caulk pan ledge and vertical side wall seam of the panel opposite the valve wall (see *image AP BF 59*). Set panel on ledge and slide backward into place (see *image AP BF 60*).

This may require force using a wood block and hammer as shown (see *image AP BF 61*). Check for level, secure to studs using shims where necessary (see *image AP BF 62*).



TIP:

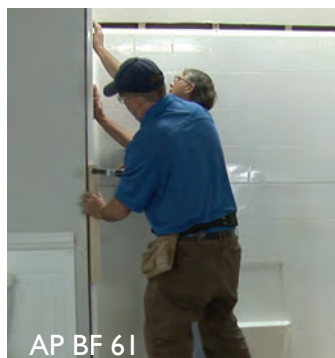
Your shower is fully reinforced and ready to receive surface mount accessories now or anytime in the future. It is highly recommended that the client be involved in identifying the ideal placement of accessories according to their needs.



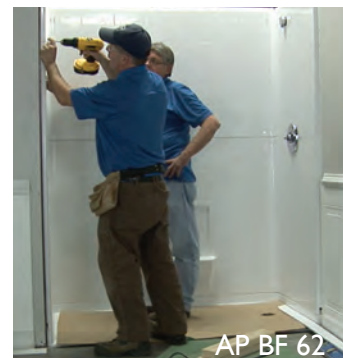
AP BF 59



AP BF 60



AP BF 61



AP BF 62

INSTALL ACCESSORIES

Always mark, drill and caulk in a circular pattern around pilot holes for all accessories (see images AP BF 63, & 64).

The unit is designed to allow a one eighth of an inch gap at the seams. Caulk all seams as well as the front edge of the threshold (see images AP BF 65, 66, 67). Do not use your shower until caulk is cured. See caulk instructions for cure time. A premium caulk is recommended.



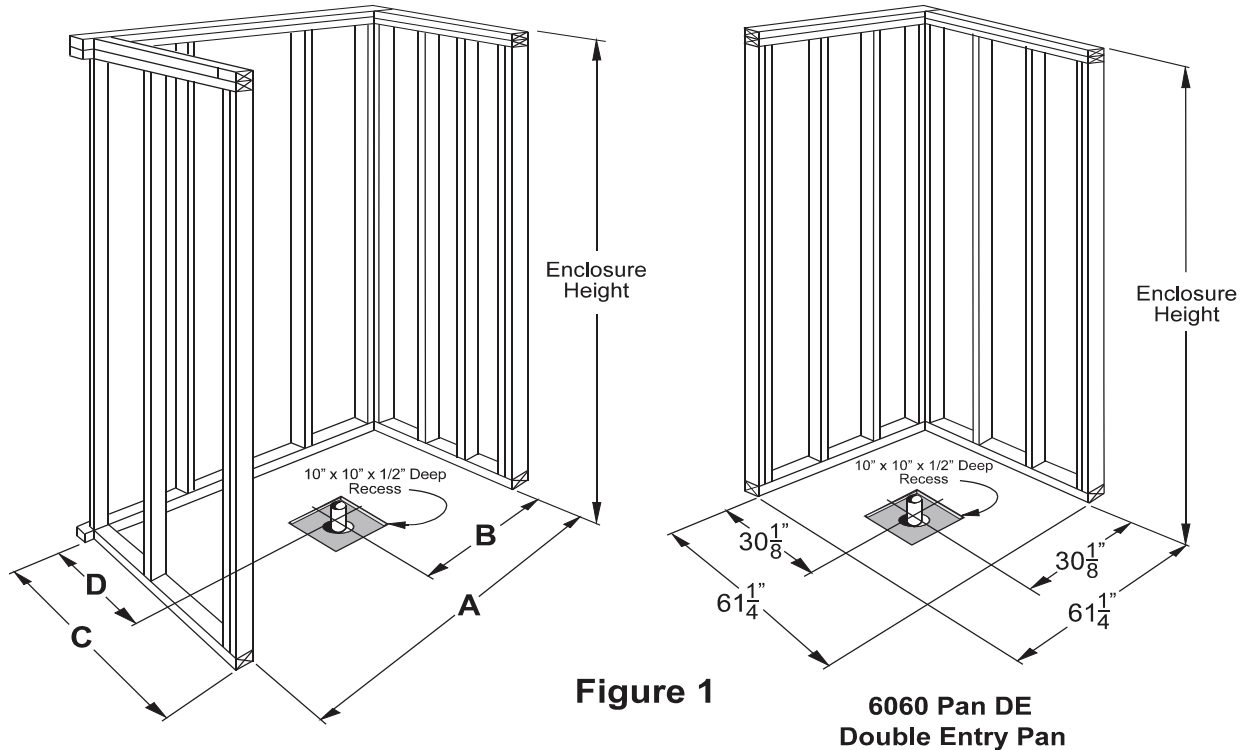
A collapsible water retainer and weighted shower curtain are recommended and available for purchase (see images AP BF 68 & 69). When installed properly and paired together, they provide an effective and safe solution for keeping water in your barrier free shower during use. Please note, it's important that the curtain be hung at a height that allows it to make contact with the floor.

For water splash options and detailed installation instructions, refer to: www.FreedomShowers.com.

Congratulations, you have successfully installed your Freedom accessible shower providing years of safety and independence.



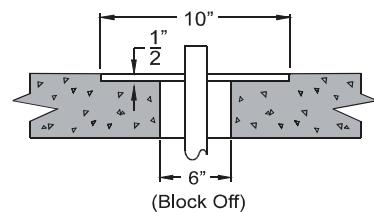
FRAMING DIAGRAMS



	A	B	C	D
3838	38 7/8"	19 7/16"	38 7/8"	19 1/8"
4836	48 1/4"	24 1/8"	37"	18"
5050	50 3/4"	25 3/8"	50 1/8"	24"
5430 LR	54 1/4"	8 9/16"	31"	15"
5436 LR	54 1/4"	8 9/16"	36 7/8"	17 5/8"
6030 C	60 1/4"	30 1/8"	31"	15"
6030 LR	60 1/4"	8 9/16"	31"	15"
6033 C	60 1/4"	30 1/8"	33 3/8"	15
6033 LR	60 1/4"	8 9/16"	33 3/8"	15
6036 C	60 1/4"	30 1/8"	37"	18"
6036 LR	60 1/4"	8 9/16"	37"	18 5/8"
6048	60 1/4"	30 1/8"	49"	24"
6060	60 1/4"	30 1/8"	61"	30"
6232 C	62 7/8"	31 7/16"	32 1/4"	16 1/4"
6232 LR	62 11/16"	8 9/16"	32 1/4"	16"
6238	62 7/8"	31 7/16"	38 1/4"	19 1/4"
6060 3P	61 1/4"	30 1/8"	61 1/4"	30 1/8"

DETAIL OF DRAIN CORE AREA

6" Diameter Drain Core
10" x 10" x 1/2" Deep
Recess Around Core



Note: Unit will not install properly if framing pocket is not square and of proper size. The dimensions shown in the FRAMING DIAGRAMS are 1/4" larger than the size of the shower pan. This product is manufactured to tight specifications. The 1/4" over sizing is for maneuvering and installation ease. If 1/4" over is not reasonable, sizing closer to the product actual dimensions is allowable.