Multi-Piece 3/4" BARRIER-FREE SHOWER
W/ INTEGRAL FLOOR NAILING FLANGE

Clarion
EVERYDAY LUXURY

Suggested Tools

Screw Driver Bit • Drill Bit • Drill • Screw Driver • Pan Head Screw • Hammer
Mildew Resistant Silicone Caulking • Pencil • Framing Square • Level • Chisel
8" Core Bit • Galvanized Nails or Screws • Circular Saw • Bedding Compound (Lightweigt Gypsum Plaster Recommended)
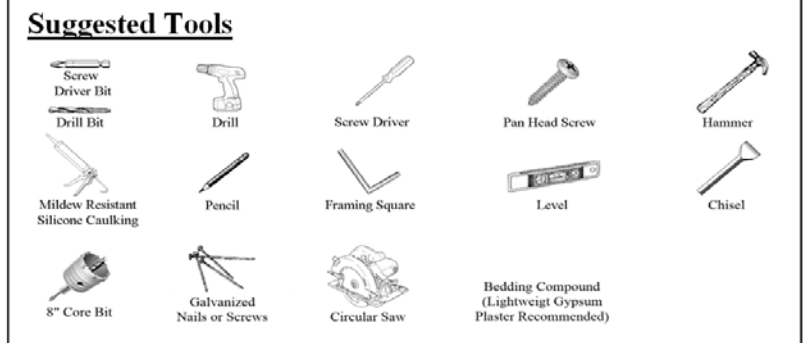
Key Points to remember during installation

1. The subfloor <u>must</u> be 100% <u>flat</u>, <u>level</u> and <u>free from obstructions</u> of any kind.
2. When installed, the drain of the shower and the piping must be centered on the core or box out prepared in the subfloor. Check to make sure that the core is drilled deep enough (At least 2") for the drain fitting that you are using, and that nothing will prevent it from allowing the floor of the unit to rest on the subfloor as designed. Please note that the drain pocket of this shower will protrude below the subfloor as shown in **Figure 3** in this manual.
3. In buildings with a poured in place floor, make sure that there is no lip at the edge of the drain box out area.
4. If installing the drain fitting prior to installation of the shower, precautions must be taken to keep the shower from resting on the drain fitting. Failure to do this may cause warping or cracking of the shower floor.
5. When plumbing, there should be no fittings installed on the drain pipe within 2 ½" of the top of the subfloor. This will interfere with the drain fitting and cause the floor of the unit not to rest on the subfloor as designed.
6. To meet full compliance with ADA the front edge of the seat must be within 3" [76mm] from the edge of the finished shower pocket. This must be considered when framing the pocket for the unit. **Note: Disregard this for Clarion Bathware's Return Flange Units. They come compliant from the factory.**
7. Install optional collapsible threshold at final time stage, after the unit has been installed and any debris has been cleaned.

Please consult all local and state building codes and read the entire installation instructions prior to beginning the installation of this unit to ensure that the installation is performed correctly.

Clarion Bathware's ¾" Barrier-Free Showers with are to be stored in a dry area prior to installation to prevent moisture from attacking the reinforcement material which could cause warping of the unit. Additionally, the units cannot be stored in a manner where the bottom of the unit and the drain are forced upward.

<u>**WARNING:**</u> **FAILURE TO FOLLOW THESE INSTALLATION INSTRUCTIONS COULD VOID THIS PRODUCTS WARRANTY.** The 3/4" barrier-free threshold is a very sensitive unit to properly install. It is very important that the procedures are followed exactly during the installation process to create the ideal barrier free access area. A licensed plumber is required to install or supervise the installation of these units. These units are thoroughly tested in the plant to ensure their ability to drain water properly. Failure to follow these handling and installation instructions may cause improper drainage, thus voiding the unit's warranty.

Pocket dimensions and drain location can be obtained from your retailer or at www.clarionbathware.com/search   (1) enter model number of the unit then click search, (2) select the product picture, (3) Under downloads and maintenance select the product cut sheet PDF.
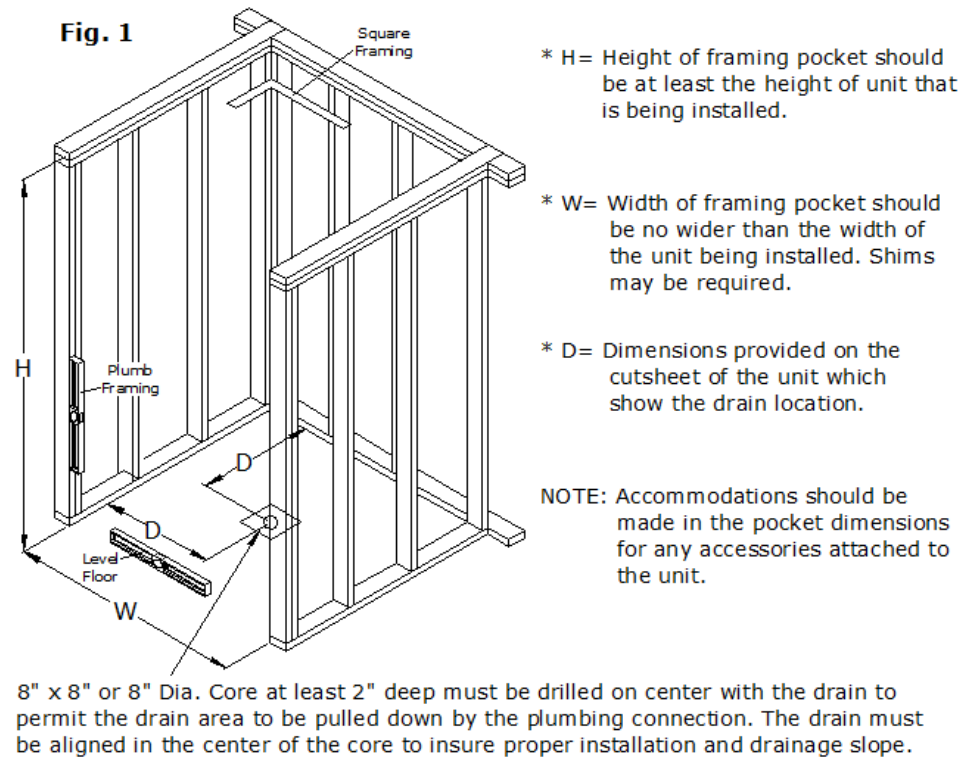
Unit Preparation

Remove all factory-shipping packaging and braces. On the bottom of the back wall there is a piece of OSB board for shipping purposes. This needs to be cut down so that it will not interfere with leveling the shower stall properly. To do this, set a circular saw to cut a 7/16" deep cut. Cut the OSB that extends past the bottom of the unit. Use caution when cutting, there are wood blocks that are secured with metal staples on the inside edge of the board. *****This board should not be removed until the unit is ready to be installed. Removal of the board before installation may void the warranty.*****

To disassemble the unit: Remove shipping packaging and discard. Next, remove all hardware (nuts & bolts).
Do not discard, they will be needed for reassembly. Set all pieces of the unit in a safe location.
On **2-piece units** hardware will be located around the perimeter of the unit where the wall section meets the base section.
On **3-piece units** hardware will be located around the perimeter of the unit where the wall section meets the base section and up the vertical flange where the wall sections meet.
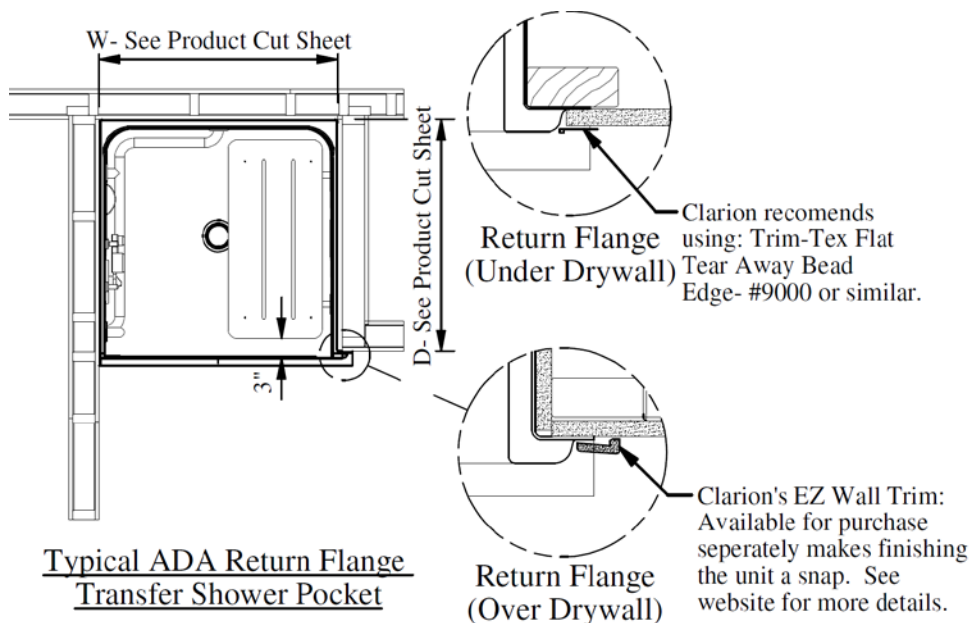
Note to installer: To simplify the installation process the unit may be dry fitted into the pocket prior to applying silicone caulking and securing.

Framing the Pocket
(*Figure 1*)

Frame a square and plumb pocket to dimension of the unit. The floor of the pocket <u>must be</u> prepared perfectly flat and level to obtain proper drainage. If there are any obstructions, you will need to chisel or cut the concrete out to create a surface that allows for proper slope to the drain. Depending upon the core opening in the concrete slab, the installer may find it necessary to core a larger and/or deeper opening permitting adequate clearance for the drain. An 8" core at least 2" deep may be desirable. If the core cut is larger than 8" x 8" or 8" diameter, we recommend back filling the core cut, sloping the fill to the drain. This will assure that the area of the floor around the drain receives proper support.


Fig. 1

* H= Height of framing pocket should be at least the height of unit that is being installed.

* W= Width of framing pocket should be no wider than the width of the unit being installed. Shims may be required.

* D= Dimensions provided on the cutsheet of the unit which show the drain location.

NOTE: Accommodations should be made in the pocket dimensions for any accessories attached to the unit.

8" x 8" or 8" Dia. Core at least 2" deep must be drilled on center with the drain to permit the drain area to be pulled down by the plumbing connection. The drain must be aligned in the center of the core to insure proper installation and drainage slope.

Framing Considerations for ADA Return Flange Units

W- See Product Cut Sheet

D- See Product Cut Sheet

3"

Typical ADA Return Flange Transfer Shower Pocket

Return Flange (Under Drywall)

Clarion recomends using: Trim-Tex Flat Tear Away Bead Edge- #9000 or similar.

Return Flange (Over Drywall)

Clarion's EZ Wall Trim: Available for purchase seperately makes finishing the unit a snap. See website for more details.

2-Piece Unit Assembly *(Figure 2.1)*

Apply a bead a silicone caulking to the base where the wall section rests on the base. The silicone caulking will need to be applied along the top of the base and in front of the bolt holes for a water tight seal *(Figure 2.1)*. A generous amount of silicone caulking will need to be applied to the top front edge of the base and up the nailing flange *(Figure 2.2)*. This is to prevent water from weeping into the drywall and behind the unit. Set the wall section on the base and re-install the hardware.

Fig. 2.1

Fig. 2.2
Apply a generous amount of silicone caulking at the front edge of the base and partially up the nailing flange.

Bolt Hole

Apply bead of silicone caulking were the wall section meets the base.
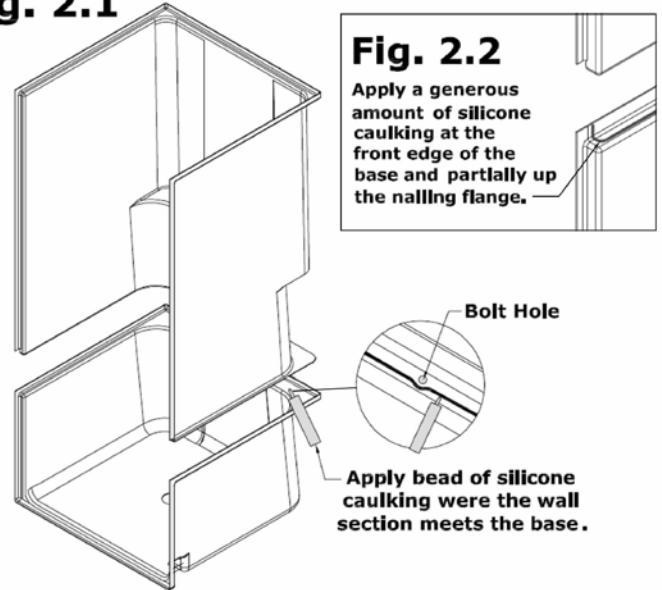
3-Piece Unit Assembly *(Figure2.3)*

If there is access to the back of the framing pocket the unit can be assembled inside the framing pocket. If there is **no** access to the back of the framing pocket the unit will need to be assembled outside of the framing pocket.

Apply a bead a silicone caulking to the base where the left wall section rests on the base. The silicone caulking will need to be applied along in front of the bolt holes for a water tight seal
(Figure 2.3). A generous amount of silicone caulking will need to be applied to the top front edge of the base and up the nailing flange *(Figure 2.2)*. This is to prevent water from weeping into the drywall and behind the unit. Set left wall section onto the base and attach it with the hardware to the base.

Apply a bead a silicone caulking to the base where the right wall section rests on the base and up the vertical seam where the wall sections meet. The silicone caulking will need to be applied in front of the bolt holes for a water tight seal *(Figure 2.3)*. A generous amount of silicone caulking will need to be applied to the top front edge of the base and up the nailing flange *(Figure 2.2)*. This is to prevent water from weeping into the drywall and behind the unit. Set left wall section onto the base and attach it with the hardware to the base and left wall section.

Fig. 2.3

Apply bead of silicone caulking were the two wall sections meet.

Bolt Hole

Apply bead of silicone caulking were the wall sections meets the base.
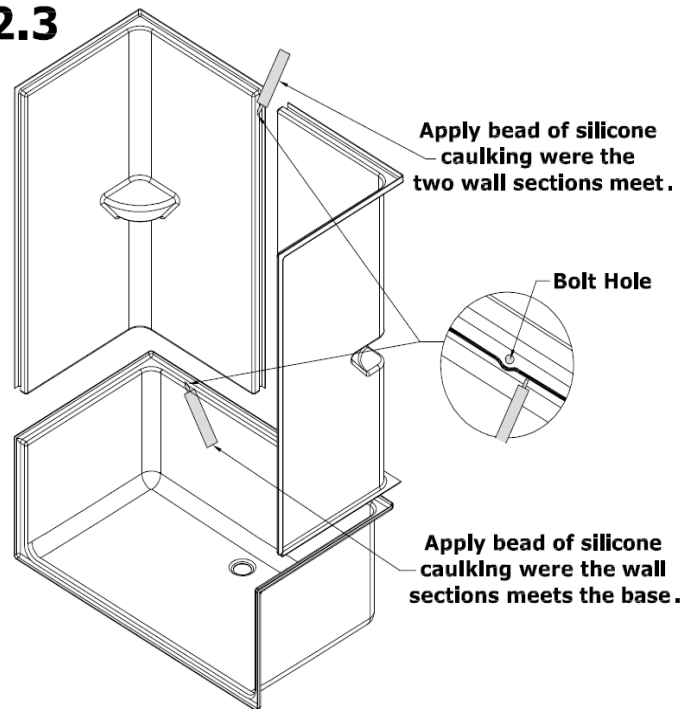
EXCESS SILICONE CAULKING SHOULD BE CLEANED OFF BEFORE IT CURES

**Special Note: To meet the ADA compartment entry standard on 36"
Transfer Showers with a traditional flange:** The front edge of the seat must be no more than 3" [76mm] from the compartment entry. To achieve this with Clarion Bathware's units, the front gelcoat surface of the unit must be no more than 1-1/2" [38mm] from the finished wall in front of the shower. This will need to be taken into consideration when framing the pocket. **(See Figure 1.1). Note: Disregard this for Clarion Bathware's Return Flange Units. They come compliant from the factory.**

Fig. 1.1
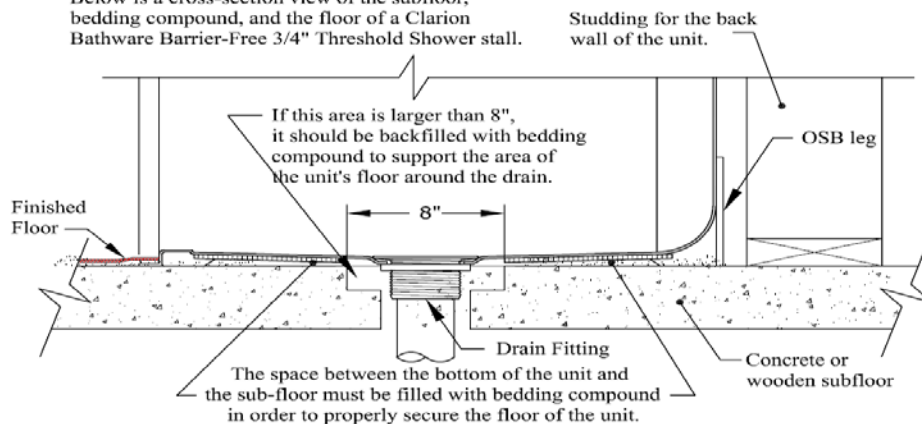
3" max.
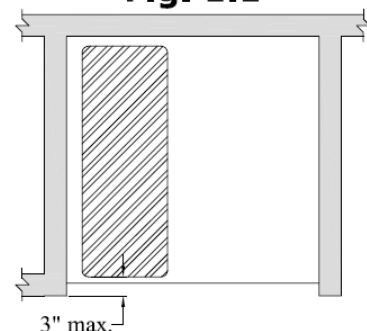
Setting the Unit *(Figure 3 & 4)*

Install the drain and make sure that it is sealed properly and not leaking. Test fit the unit into the framed pocket. Check that the drain is not resting on anything which can force the unit floor upwards. Level and plumb the unit. Attach the front two vertically flanges with one fastener on each. Using a pencil, create 'line-up marks" on the flanges with the studding or wall board. This will act as a visual reference to plumb and level when resetting the unit into the bedding compound. Remove the unit and prepare a bedding compound for the unit to be set into. **Note: The threshold must also be flat and level wall to wall for proper drainage.**

Fig. 3

Below is a cross-section view of the subfloor, bedding compound, and the floor of a Clarion Bathware Barrier-Free 3/4" Threshold Shower stall.

Studding for the back wall of the unit.

If this area is larger than 8", it should be backfilled with bedding compound to support the area of the unit's floor around the drain.

OSB leg

Finished Floor

8"

Drain Fitting

The space between the bottom of the unit and the sub-floor must be filled with bedding compound in order to properly secure the floor of the unit.

Concrete or wooden subfloor

3/4" Threshold Detail for ADA

For Vertical Thresholds to meet ADA Code Requirements, $X =$
$\frac{1}{2}$" Max for Transfer Showers
$\frac{1}{4}$" Max for Roll-In Showers

Finished Floor
Vertical Threshold
$\frac{7}{8}$"
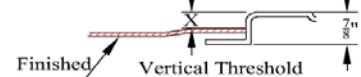
For Beveled Thresholds to meet ADA Code Requirements, $Y =$
$\frac{1}{2}$" Max for both Transfer Showers and Roll-In Showers

Finished Floor
Beveled Threshold
$\frac{7}{8}$"
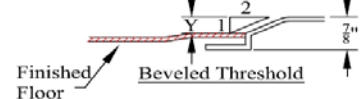
**FOAM SHOULD NEVER BE USED AS A BEDDING MATERIAL. **

Clarion Bathware recommends using lightweight gypsum plaster **for optimal results**. Other bedding compounds would be cement slurry, thin mortar mix or setting type drywall compound. Although all the listed products are acceptable, the lightweight gypsum plaster is an installer friendly product. It is easier to work with, has a slower curing time and a compression rating of about 700 PSI. Two brands of this plaster to look for are **Gold Bond Gypsolite Plaster** and *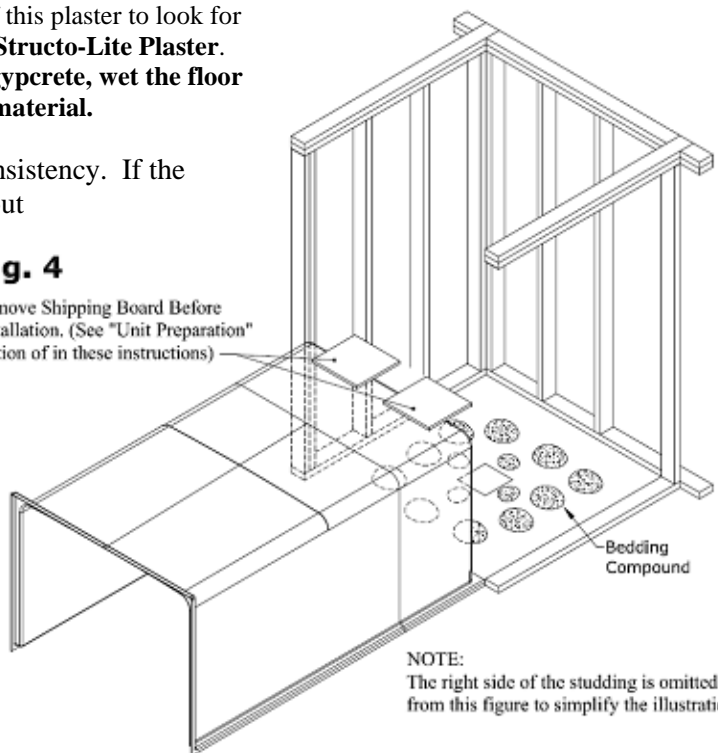*US Gypsum Structo-Lite Plaster**. **Note: If installing on a subfloor material such as gypcrete, wet the floor first to prevent premature drying of the bedding material.**

Mix the bedding compound to a manageable consistency. If the bedding material is too thick it may not spread out properly and can cause the unit floor to be forced up. If the bedding material is too thin it may seep out from under the unit. This can cause improper support of the unit floor. After mixing the bedding material to a consistency of "cool-whip", place it onto the floor in mounds keeping in mind the area around the drain will be thinner due to the slope of the shower floor. Placing the bedding material in mounds reduces waste and over application which may cause the unit to drain improperly or not at all. Lay unit face down in front of the framing pocket. Stand the unit up and seat in into the framing pocket. Align the flanges of the unit with the pencil marks. (cont…)

Fig. 4

Remove Shipping Board Before Installation. (See "Unit Preparation" section of in these instructions)

Bedding Compound

NOTE:
The right side of the studding is omitted from this figure to simplify the illustration.

When the unit is set onto the mounds, they will spread out easier than trying to completely cover the entire floor. Small void areas of 2"-3" are not a problem as the shower floor has sufficient strength to bridge them. Set the unit in the bedding compound. Align the flanges of the unit with the pencil marks. Check that the unit is plumb and level then

attach each vertical flange with a fastener so that the unit won't shift. Check the floor of the shower for high spots that could restrict the water drainage. High spots in the bedding compound under the floor may be worked out by applying pressure to the area. If this does not work, remove the unit from the pocket and correct the problem before proceeding. The threshold of the unit must be flat and level wall to wall for proper drainage.

Secure the Unit *(Figure 5)*

When the unit is plumb and level, including the floor flange (See **Floor flange note** below), there must positive slope to the drain. If there is not there is a problem. Remove the unit from the pocket and correct the problem before proceeding. Finish securing the flanges with galvanized nails or screws. **Note: Recheck the floor with a level checking for slope to the drain (min 1/8" over 1 foot) while also looking for any high spots.**

Floor Flange Note: This unit has an integral floor-nailing flange and must be installed properly to achieve adequate drainage. This flange **must be level** and attached to the floor before the bedding material cures. If the floor is not flat or level the floor nailing flange **MUST** be shimmed. Pay close attention that the shims stay in place and that the floor nailing flange is **level** before securing. A screw should be inserted in the middle of the flange, and screws should be placed every 12" to each side, or as necessary to make sure that there are no bows or bumps in this flange. To attach the nailing flange to a cement floor, predrill and counter sink the fiberglass flange to accommodate concrete anchor screws. Tapcon cement screws or anchor screws with expansion adaptors may be used to secure the flange to the floor **(Use of any mechanical nailing gun is not a recommended, can cause damage to the fiberglass flange and may result in a void of warranty)**. After securing the floor flange re-check that proper slope has been achieved in the shower floor. Assure that there are no dips, humps, or other restrictions in the shower floor which will prevent proper water drainage.

Fig. 5

Warning: Avoid standing in the unit until the bedding material has cured.

Plumb and level the unit via the flat finished surfaces of the Tub/Shower adjacent to the nailing flanges. We recommend using a 2' level for better accuracy.

Horizontal Flanges

Vertical Flanges

Attach Vertical Flanges every 6" to 8" or as necessary with galvanized nails or screws to insure complete contact with the studding.

Horizontal Flanges must be secured anywhere that they come into contact with studding.

After securing the floor flange re-check that proper slope has been achieved in the shower floor. Assure that there are no dips, humps, or other restrictions in the shower floor which will prevent proper water drainage.

THE FLOOR FLANGE MUST BE LEVEL: Check and re-check before and after securing.
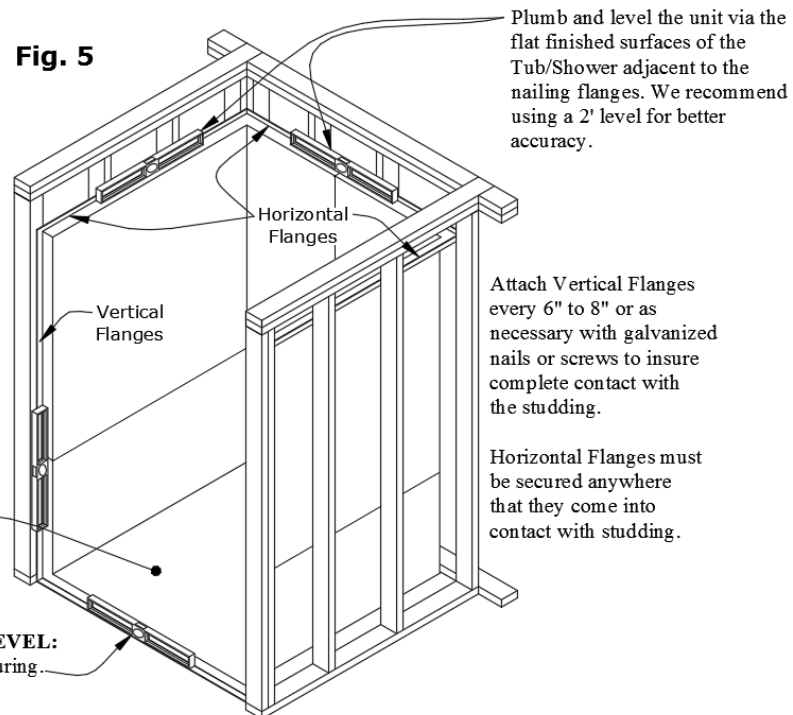
Close up detail of floor nailing flange.

Bedding Material

Counter sinking the fastener my be desired.
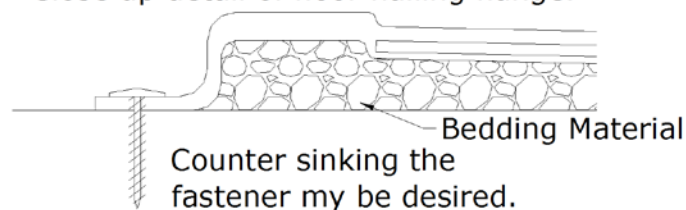
Finishing Notes:

A smooth transition between the shower unit and the floor is a requirement for ADA compliance. A floor-leveling agent can be used to smooth the transition between the shower unit and the floor. We recommend Feather Finish for all vinyl applications or grout for tile installations.

E-Z Floor Trim: Clarion Bathware's offers E-Z Floor Trim (which meets ADA ramp requirements) for a quick and easy installation to finish off the floor nailing flange. Contact your supplier or call (800) 576-9228 for more details.
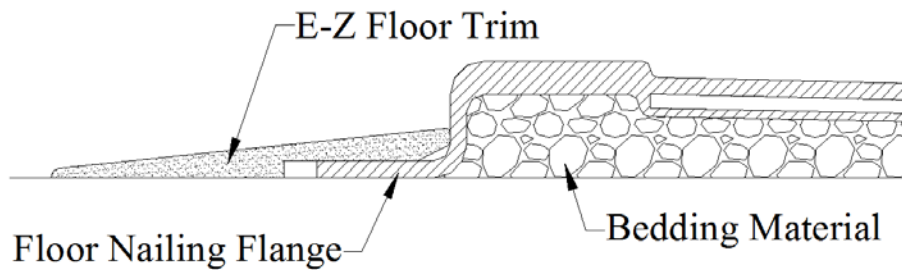
E-Z Wall Trim: In an application where the unit is installed over wall board, Clarion Bathware's E-Z Wall Trim Kit will help you finish your installation quick and easy. E-Z Wall Trim is available in pieces or in pre-mitered kits. Contact your supplier or call (800) 576-9228 for more details.
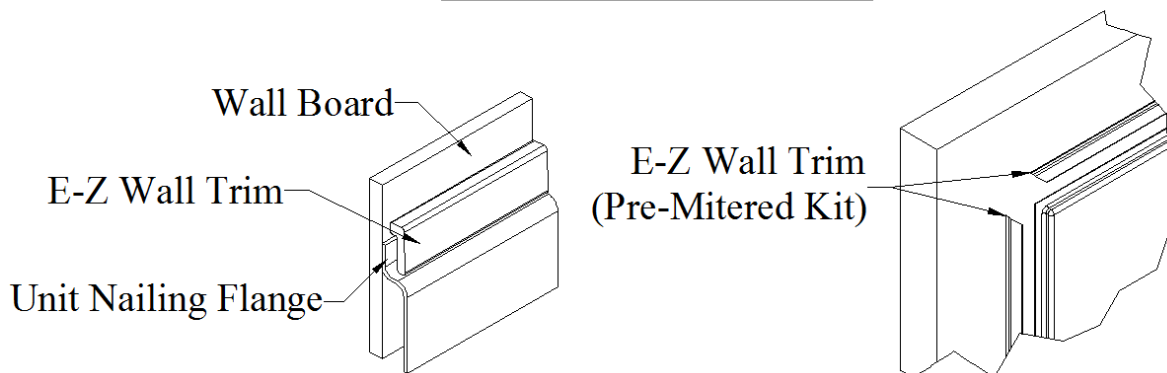
Final Notes:
You can finish off your new unit with a variety of materials which are accepted by local building codes. Some ideas are tile, drywall caulking, drywall mud, plaster, wood or plastic trim.

Clean your new tub with a liquid detergent and warm water.
Do not use any abrasive cleaners such as scouring powder or liquid abrasive cleaners.

WHEN A BEDDING MATERIAL IS USED UNDER A UNIT; CEMENT SLURRY, THIN MORTAR MIX, PLASTER OF PARIS, OR A COMPARABLE FLOOR FILLING COMPOUND THAT IS NOT WATER SOLUBLE ARE PROPER BEDDING COMPOUNDS. WATER SOLUBLE MATERIALS, FOAM AND OTHER EXPANDING MATERIALS ARE NEVER TO BE USED AS A BEDDING COMPOUND.

IF YOU HAVE ANY QUESTIONS REGARDING INSTALLATION OF YOUR CLARION BATHWARE PRODUCT, PLEASE CALL OUR CUSTOMER SERVICE DEPARTMENT AT 1 (800) 576-9228 OR BY E-MAIL AT CUSTOMERSERVICE@CLARIONBATHWARE.COM

JOB SITE INSTALLATION OF OWNER SUPPLIED ACCESSORIES

All Clarion Bathware units purchased with supplied grab bars are custom reinforced at the factory to accommodate the mounting of said bars.

Any grab bars installed on a Clarion Bathware unit at the job site must have proper reinforcement (wood support and backing plates) at all mounting areas and should comply with ANSI A117.1, Uniform Federal Accessibility Standards (UFAS) and ASTM F446 specifications for grab bars in the bathing area.

Job-site installation of third party supplied grab bars is entirely at the risk and full responsibility of the owner. Any damage to Clarion Bathware units or the property during or after grab bar installation, or any injuries due to improper installation remain the sole responsibility of said owner and cannot be attributed to Clarion Bathware, Inc.

 ***WE SUGGEST THAT THE CUSTOMER AVOIDS USING A BATH MAT IN THE UNIT, AS IT COULD CAUSE WATER STAINS OR BLISTERING TO THE FINISH SURFACE OF THE UNIT.

CLARION BATHWARE PRODUCTS ARE CERTIFIED TO MEET CSA B45.5/IAPMO Z124 STANDARD. FOR DETAILS, PLEASE REFER TO ICC-ES PMG CERTIFICATION PROGRAM.

44 Amsler Avenue
Shippenville, PA 16254
(814) 226-5374   (800) 576-9228
Fax: (814) 226-0730   www.clarionbathware.com

AcrylX™ with the Strength of ArmorCore™ Lifetime Warranty

This warranty applies to all Clarion Bathware AcrylX™ with Armorcore™ base reinforcement produced after 1-23-2017.

Clarion Bathware warrants to the original purchaser and consumer that its products will be free from defects in material or workmanship when properly installed pursuant to Clarion Bathware installation instructions for the following warranty periods:

    Lifetime Warranty
    (1)   AcrylX™, Residential* Use
    (2)   CenturyStone™, Residential* Use

    Thirty (30) Year Warranty
    (1)   AcrylX™, Commercial* Use
    (2)   CenturyStone™, Commercial* Use

Upon inspection by an authorized representative, Clarion Bathware will repair or exchange at its sole discretion, any unit found to be defective in material or workmanship. The exchange of a unit will only be considered when Clarion Bathware has eliminated all options to restore the unit to acceptable factory condition. Exchange of a unit is limited to supplying replacement product of comparable size and style, and does not include any cost of removal or installation.

EXCEPTIONS

This warranty shall be voided if the unit is moved from its place of initial installation or is not installed in accordance with the instructions supplied by the manufacturer of the unit. Clarion Bathware will not be held responsible for any damages resulting from improper installation.

Further, this warranty does not apply if the unit has been subjected to accident, abuse, misuse, damage caused by flood, fire, or other force of nature.

Any unauthorized repair or modification to the product would render the warranty null and void.

This warranty does not apply to any equipment or accessories not installed by Clarion Bathware and Clarion Bathware will not be held liable for any results of such acts.

Clarion Bathware is not responsible for any consequential or incidental mishaps, inconvenience, time loss, incidental expense, materials or labor related to the installation of hardware or the actual tub.

The owner agrees by use of the unit that the obligations of Clarion Bathware shall not extend to contingent or indirect damage or injury to the structure of its contents, that the obligations of Clarion Bathware are limited to those set forth herein, and that no other obligations, expressed or implied, are assumed by Clarion Bathware.

The product is not recommended for outside storage.

To obtain warranty service, the Customer must give prompt notice to Clarion Bathware of any claim.

Clarion Bathware is a division of American Bath Group Inc.

*Residential Use is considered any unit Installed in a permanent residence dwelling of Individual ownership, such as but not limited to single family home, multi-family home, or condominium. Commercial Use is considered transient lodging, such as but not limited to healthcare facility, dormitory, hotel, or apartment complex.