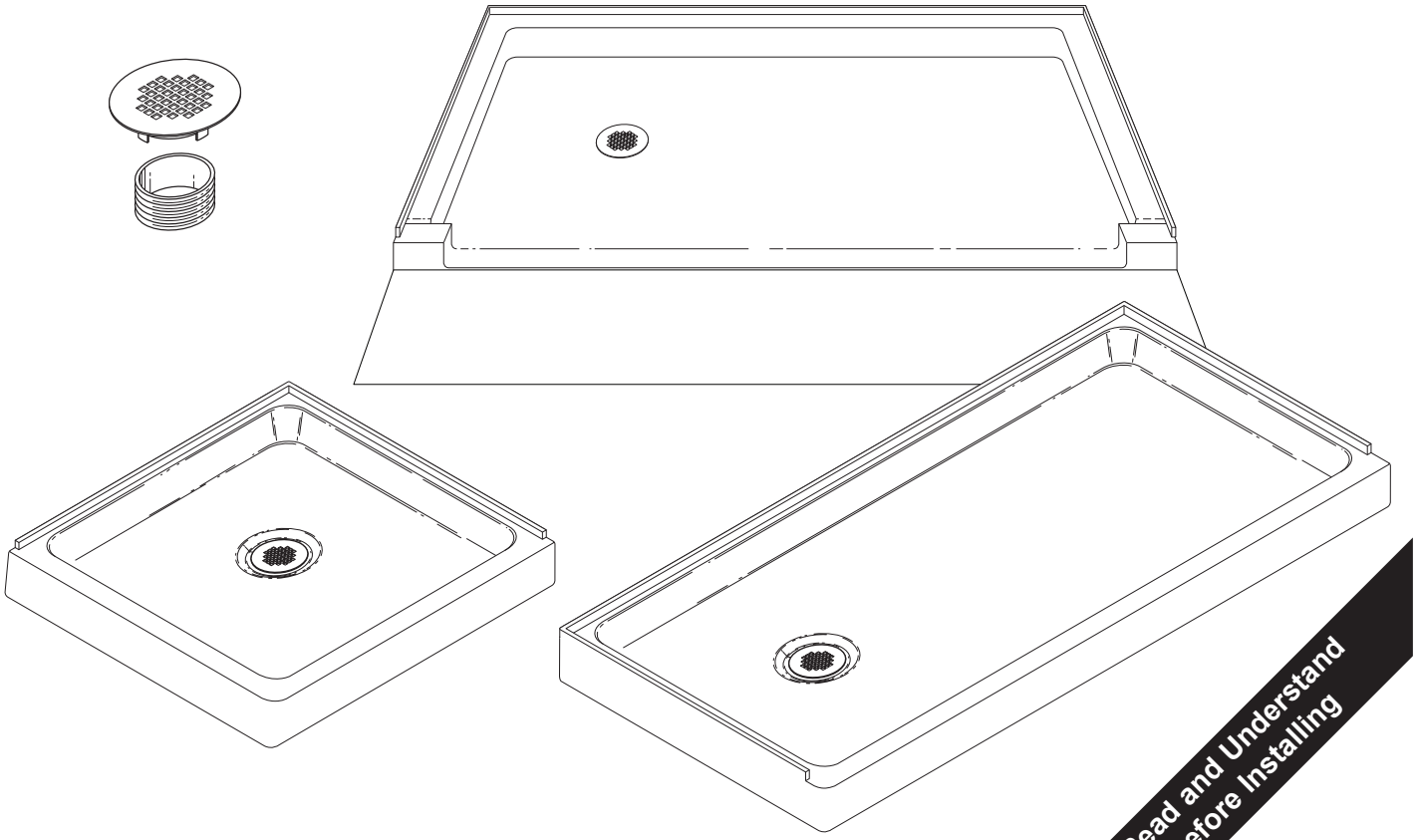
cd comfortdesigns

Swan

Shower Floors — Square, Rectangular, Neo-Angle, and Barrier-Free

SWB3232
SWB3636
SWB3636NEO
SWB3642
SWB3738
SWB3838NEO
SWB4234
SWB4242
SWB4832
SWB4834
SWB5434
SWB6030BF
SWB6032
SWB6034
SWB6434BF
SWBRTF6032L

- **Product Warnings**
- **Safety Guidelines**
- **General Information**
- **Installation Procedure**



Read and Understand Before Installing

Form # 200-02-18

Swan Assurance — if our product is properly installed and maintained, as stated in these instructions, it will not leak.

Remember – Safety First

IMPORTANT NOTICE

Comfort Designs with Swan Solid Surface, the makers of the Swan products, cannot anticipate every possible circumstance that might involve a potential hazard during the installation of our product(s). The warnings and instructions in this installation guide are, therefore, not all-inclusive. If a tool, installation procedure, or work method that is not specifically recommended by Comfort Designs with Swan Solid Surface is used, you must satisfy yourself that it is safe. You should also make sure that the Comfort Designs with Swan Solid Surface product(s) will not be damaged by the methods you choose. Comfort Designs with Swan Solid Surface will not be held responsible for water damage of any kind in connection with the installation of one of our Comfort Designs with Swan Solid Surface bath/shower/panel kits.

⚠ WARNING

To avoid product damage, personal injury, or even possible death, carefully read, understand, and follow all the instructions in this installation guide before installing this product(s). Do not use cleaning fluids or operate power tools unless you read and understand the instructions and warnings in this and all other applicable labels or manuals. Proper use of tools and the products described in this guide is your responsibility.

IMPORTANT NOTICE

IMPORTANT NOTICE: Indicates that equipment or property damage can result if instructions are not followed.

Read and Understand the Manual
It is the responsibility of any individual who installs or maintains this product to fully understand and follow proper installation and maintenance procedures. Be aware of the inherent dangers in the use of power tools when installing this product. Read and understand all Warnings, Cautions, and Important Notices in this manual.

Work Safely
DO NOT proceed if any doubt arises about the correct or safe method of performing anything found in this or other Comfort Designs with Swan Solid Surface manuals. The installation of this product can require using power tools. Do not use power tools without adequate training. If necessary, hire or consult a trained professional for expert assistance before continuing.

Do Not Use Nails
To prevent damage to the shower floor and possible water or other damage to floors, pipes, walls, or other portions of your building or home, do not nail or screw through the shower floor to secure it to the stud wall framework. Nails can be used, but are not necessary, to hold the shower floor in place. If nails are used, they must be installed above the shower flange and not through it. Refer to the specific instructions in this manual for the proper installation of these optional nails.

⚠ CAUTION

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Personal Protection
Be sure to use all personal protective equipment, such as sturdy work boots, preferably with steel toes, gloves, and hard hat, if necessary, to ensure your own safety. To prevent possible damage to your hearing, always wear ear protection, such as earmuffs or earplugs, when working around power tools.

⚠ WARNING

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

Dust Hazard
When cutting the hole for the floor drain, use a dust collection method which prevents dust particles from going into the air. Always work in a well-ventilated area. Always use an OSHA approved dust mask when cutting.

General Information

Followed carefully, these installation instructions will result in an easy, trouble-free installation of your Comfort Designs with Swan Solid Surface product. Any deviations, additions, and/or deletions from the prescribed installation, without prior written approval of our Warranty Department, will void the warranty covering this product. Not following the directions could also result in personal injuries, water damage, and other damage to floors, pipes, walls, and other portions of your building or home.

Important Information

- **If the shower floor is installed in conjunction with solid surface wall panels or ceramic tile, the stud wall framework must first have the appropriate 1/2" (13 mm) moisture-resistant wall board, marine grade plywood, or cement board installed.**

Required Tools

- Hammer
- Saber saw (for cutting 6" drain hole in sub-floor)
- Tape measure
- Level
- Large head roofing nails (optional)
- Filler (thinset or mortar)
- Clean paper towels or shop towels

Unpackaging

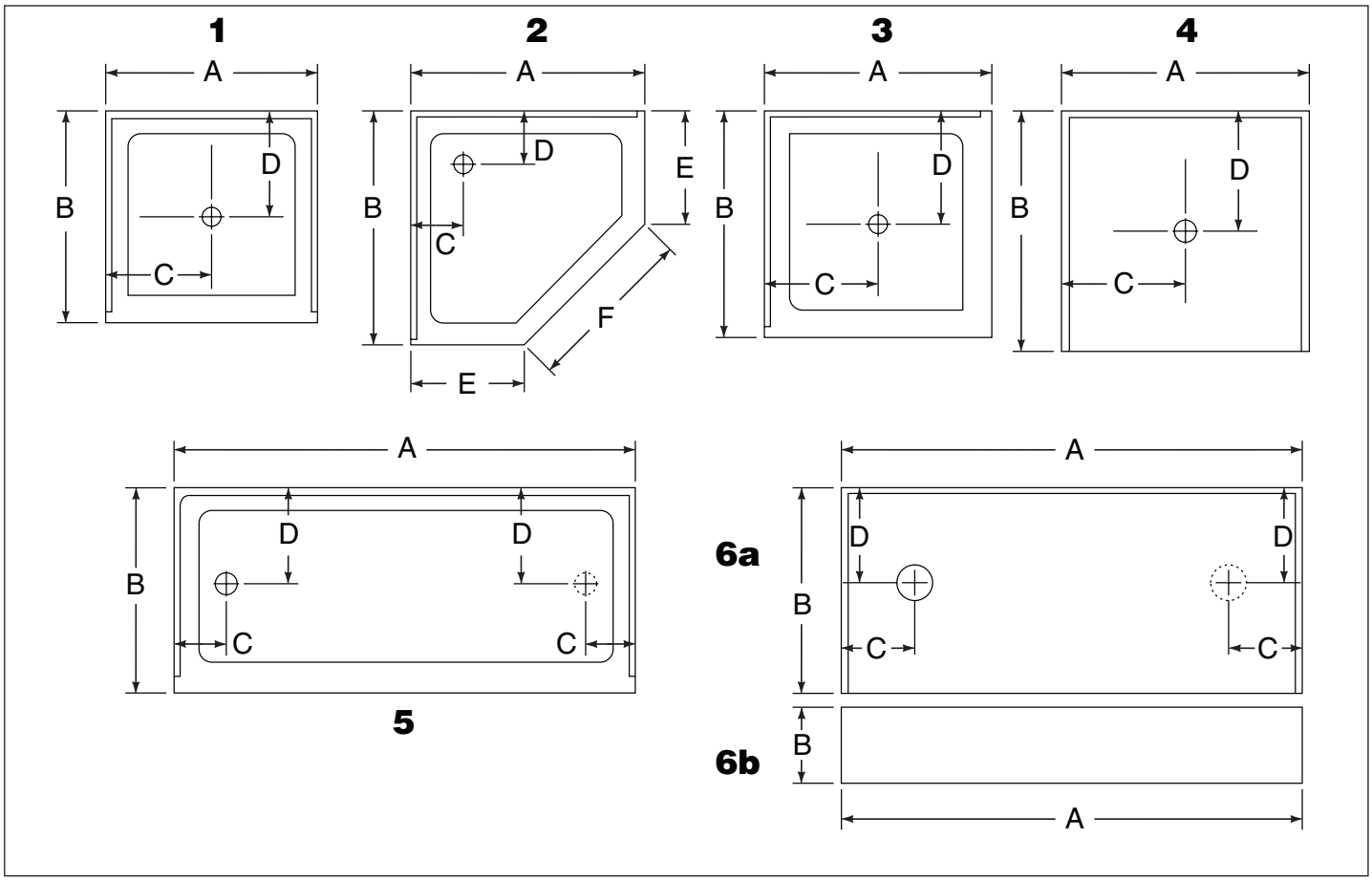
- Use care when opening the box so that you do not damage the shower floor.
- This product is shipped to you after careful inspection. After purchasing the kit, carefully unbox and inspect the product for any shipping damage that may have occurred. If damage is found, report it immediately. Installation of a damaged product will void the warranty.
- Make sure the shower floor is the correct size and confirm that all parts of this kit have been included before beginning installation.
- During construction, protect the product from damage by moving it to another room or area until time to install the shower floor.
- Store the shower floor on a flat surface until the time of installation. Do not store the shower floor outside of the original packaging in a vertical position.
- Please use the model number located on the side of the box when contacting us with questions concerning the installation of this unit.

Helpful Hints

- Read all instructions carefully, BEFORE starting the installation. Familiarize yourself with the various parts of the kit.
- The variety of installations possible for this kit may require procedures other than those shown. Ensure that framework construction is correctly sized, plumb, and square.
- Save the large cardboard box for protection of the shower floor during the installation process.
- Store unused materials away from the work area to prevent accidental damage.
- If the shower is placed over a garage or on an outside wall, care must be taken to ensure that the shower plumbing is properly insulated from cold temperatures.

Installation Tips

- Measure the actual shower floor before building or modifying the stud wall framework. The recommended framework opening measurements are 3/8” wider and at least 3/16” deeper than the actual size of the shower floor.
- Turn off the hot and cold water supply during construction.
- Never install our products directly on any surface that is or may become, wet or damp.
- Ensure all plumbing or electrical work inside the walls or sub-floor is finished prior to installation of the shower floor and wall panels.
- Make sure the drain hole in the sub-floor or slab is large enough (6” diameter recommended) and aligns with the hole in the shower floor.
- Make sure the sub-floor under the shower floor is level in both directions. The shower floor must be level when installed. Improper installation will void the warranty.
- The sub-floor under the shower floor must be free of dirt, film, waxes, or any other residues.



These dimensions are approximate sizes only. For proper fit, measure the actual shower floor prior to building the framework to determine the exact size. Add 3/8" to the width measurement and at least 3/16" to the depth measurement of the actual shower floor to create the size of the framework opening needed.

Shower Floor and Drain Opening - Approximate Construction Dimensions

Item	Nominal Size	Dimension A	Dimension B	Dimension C	Dimension D
1[1]	32" x 32"	32-3/8"	32-3/16"	16-3/16"	16-3/16"
1	32" x 48"	48-3/8"	32-3/16"	24-3/16"	16-3/16"
1	32" x 60"	60-3/8"	32-3/16"	30-3/16"	16-3/16"
1	34" x 42"	42-3/8"	34-3/16"	21-3/16"	17-3/16"
1	34" x 48"	48-3/8"	34-3/16"	24-3/16"	17-3/16"
1	34" x 54"	54-3/8"	34-3/16"	27-3/16"	17-3/16"
1	34" x 60"	60-3/8"	34-3/16"	30-3/16"	17-3/16"
1	36" x 36"	36-3/8"	36-3/16"	18-3/16"	18-3/16"
4	37" x 38"	38-3/8"	37-3/16"	19-3/16"	18-9/16"
1	42" x 36"	36-3/8"	42-3/16"	18-3/16"	21-3/16"
1	42" x 42"	42-3/8"	42-3/16"	21-3/16"	21-3/16"
2[2]	36" x 36"	36-1/8"	36-1/8"	12-3/16"	12-3/16"
2[3]	38" x 38"	38-1/8"	38-1/8"	12-3/16"	12-3/16"
3	36" x 36"	36-1/16"	36-1/16"	18-1/16"	18-1/16"
—	34" X 64"	34-1/8"	64-1/4"	—	—
5	32" x 60"	60-3/8"	32-3/16"	8-3/16"	15-3/16"
6a[1]	30" X 60"	60-3/8"	30-3/16"	8-3/16"	15-3/16"
6b	12" X 60"	60"	12"	—	—

Footnote 1–Shower floor area does not meet code for commercial applications. Footnote 2–Dimension **E** is 18-3/16" and **F** is 25-1/8".
Footnote 3–Dimension **E** is 20-3/16" and **F** is 25-1/8".

Understanding Framework

- Measure the actual shower floor and use these dimensions to build or modify the stud wall framework to fit. A 3/16” gap between the framework and the Comfort Designs with Swan Solid Surface shower floor flange is acceptable.

Installation Options

❍ The shower floor can be installed with the flange directly against the stud wall framework and 1/2” moisture-resistant wall board installed above the shower floor flange.

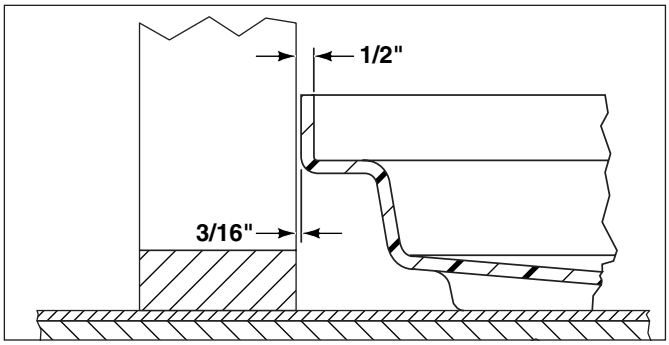
❍ The shower floor can be installed with the flange against existing moisture-resistant wall board with a second layer of 1/2” moisture-resistant wall board added above the shower floor flange.

Framework Construction

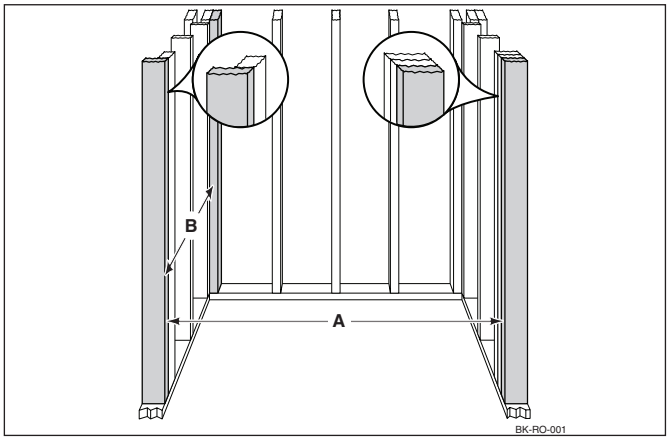
1. Measure the actual shower floor prior to building or modifying the stud wall framework to determine the exact size required.

2. Add 3/8” to width measurement (B) and at least 3/16” or more to depth measurement (A) of the shower floor to correctly size the framework opening.

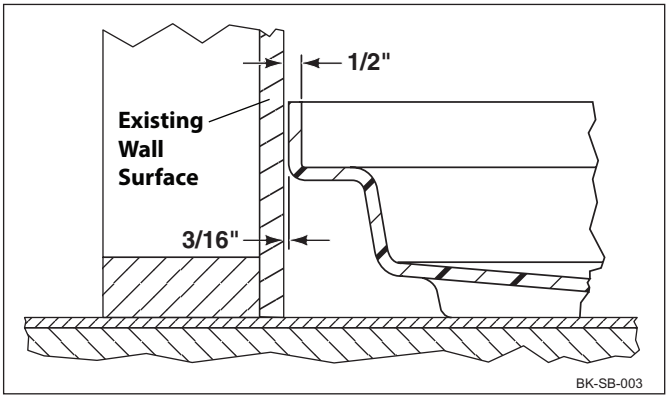
3a. For new construction, build a wood or steel stud framework for the shower enclosure. Dry fit the shower floor. The ideal gap between the shower floor flange, each side wall framework and the back wall framework is 3/16”, as shown below.



Note: When constructing or modifying stud wall framework, make sure to install (gang) multiple studs to provide support for any required moisture resistant wall board, solid surface panel attachment flanges, or filler boards, etc. Framework depth (B) must be at least 3/16” more than the actual depth measurement of the shower floor.



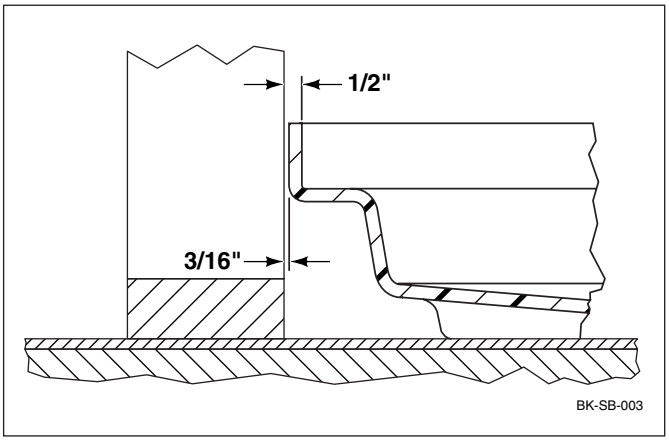
3b. For existing construction, dry fit the shower floor to make sure it fits correctly in the shower enclosure framework. If necessary, modify the framework to achieve the proper shower floor fit. The illustration below shows the ideal shower floor flange to existing wall surface gap of 3/16”



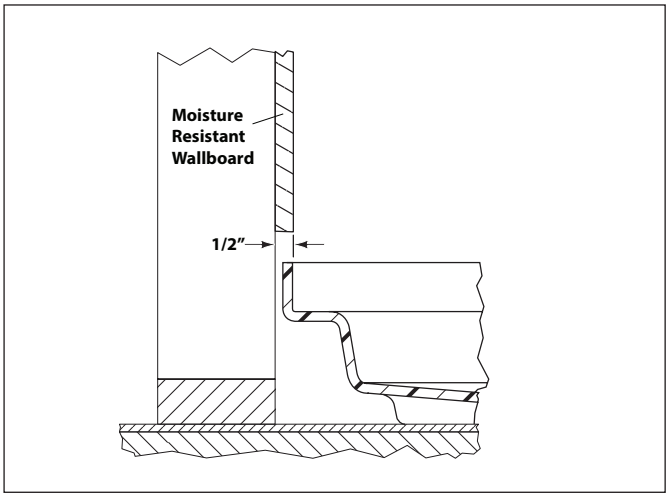
Note: Barrier-free shower floor and ramp installation instructions are provided in a separate section in this manual. If installing a barrier-free shower floor, refer to the following examples for information on constructing the appropriate framework, then, refer to the Barrier-Free Shower Floor and Ramp Installation section in this manual.

Example 1
If the shower floor is to be installed in conjunction with Swan solid surface wall panels or alternate wall panels/ceramic tile, the following procedures must be followed.

1. Install the shower floor following the appropriate instructions in the Standard Shower Floor Installation or Barrier-Free Shower Floor and Ramp Installation section in this manual. The illustration below shows the ideal shower floor flange to frame work gap of 3/16”.

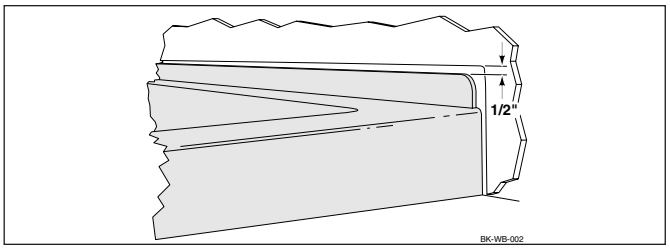


2. After the shower floor installation is complete, install 1/2” moisture-resistant wall board, as shown. The ideal installation results when the outside surface of the wall board and shower floor flange are flush, as shown in the illustration below.

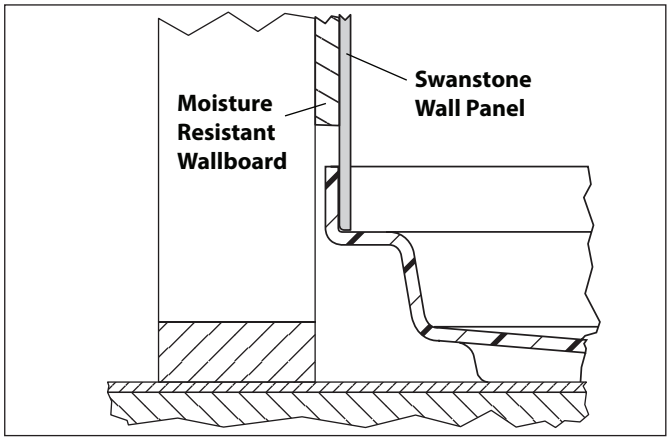


IMPORTANT NOTICE

To prevent possible water (wicking affect) damage to the wall, the wall board must have a 1/2 inch gap above the shower floor flange, as shown in the illustration below.

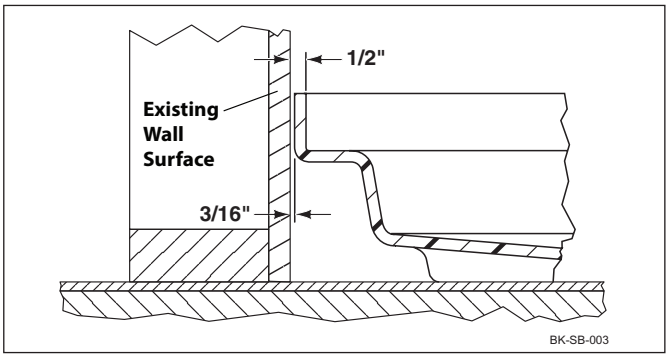


3. The Comfort Designs with Swan Solid Surface or alternate shower wall material will be installed over the 1/2” moisture-resistant wall board and shower floor flange, as shown in the illustration below.



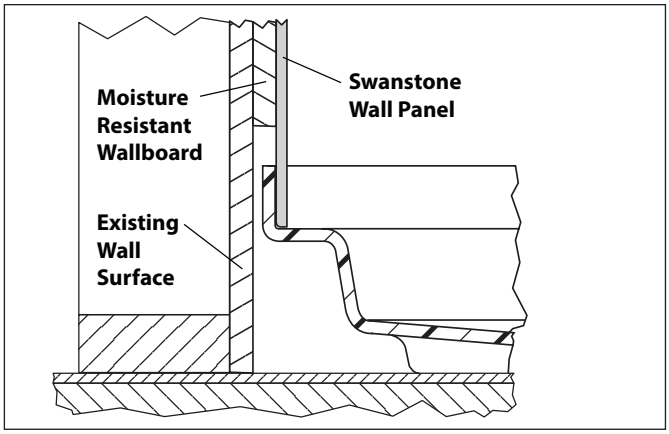
Example 3
If the shower floor is to be installed in conjunction with existing moisture-resistant wall board, the following procedures must be followed.

1. Install the shower floor following the appropriate instructions in the Standard Shower Floor Installation or Barrier-Free Shower Floor and Ramp Installation section in this manual. The illustration below shows the ideal shower floor flange to existing wall surface gap of 3/16”.



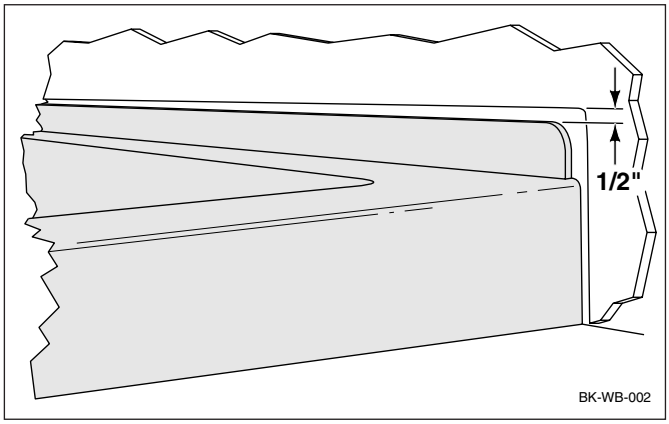
2. After the shower floor installation is complete, install 1/2” moisture-resistant wall board over the existing wall surface, as shown.

3. The Comfort Designs with Swan Solid Surface or alternate shower wall material will be installed over the new layer of 1/2” moisture-resistant wall board and the shower floor flange, as shown.



IMPORTANT NOTICE

To prevent possible water (wicking affect) damage to the wall, the wall board must have a 1/2 inch gap above the shower floor flange, as shown in the illustration below.

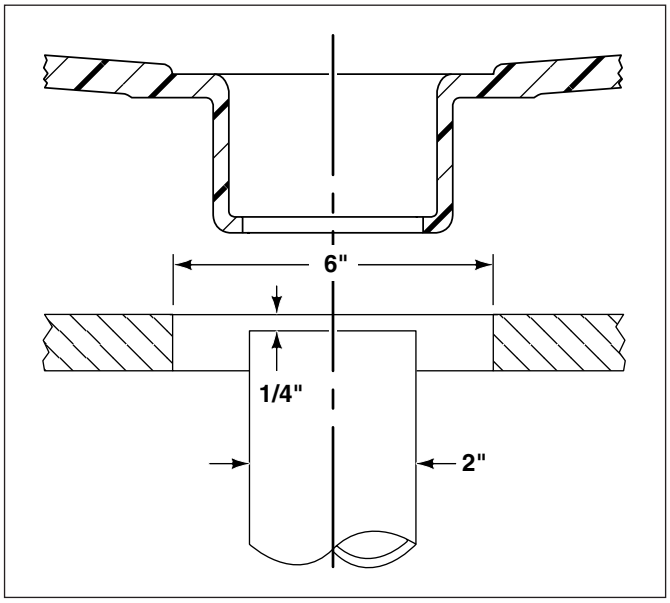


Drain Location

Using the Shower Floor and Drain Opening Rough-In Dimensions chart in this manual, make sure the drain hole is properly located. The recommended size of the hole in the floor for the drain pipe is approximately 6” in diameter.

The drain of the shower floor is designed for 2” cast-iron (no-hub) or plastic drain pipes.

1. Dry fit the shower floor to ensure a proper fit and correct alignment of the shower drain and the hole in the floor. The top of the drain pipe must be 1/4” below the floor level.



2. Temporarily remove the shower floor and proceed with the installation instructions.

Standard Shower Floor Installation

These instructions cover the installation of any square, rectangular, or neo-angle shower floor. The shower floor is designed to be installed in a bed of mortar to provide adequate support. It should rest loosely against the stud wall framework maintaining the recommended 3/16” gap.

Note: Barrier-free shower floor and ramp installation instructions are provided in a separate section in this manual.

IMPORTANT NOTICE

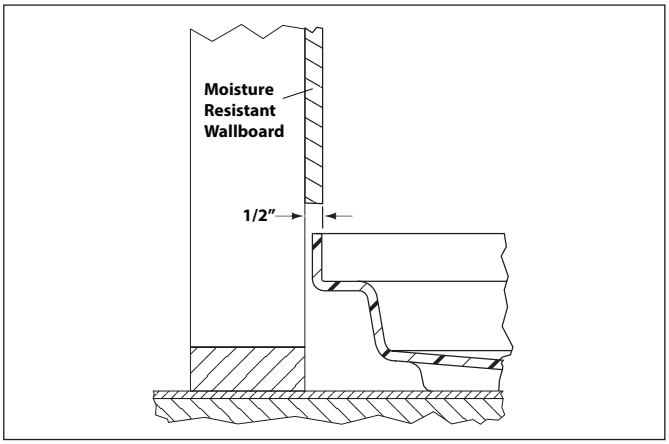
The shower floor must be set in a bed of mortar to provide adequate support. Install the shower floor using a mortar mixture or an equivalent material, such as thinset.

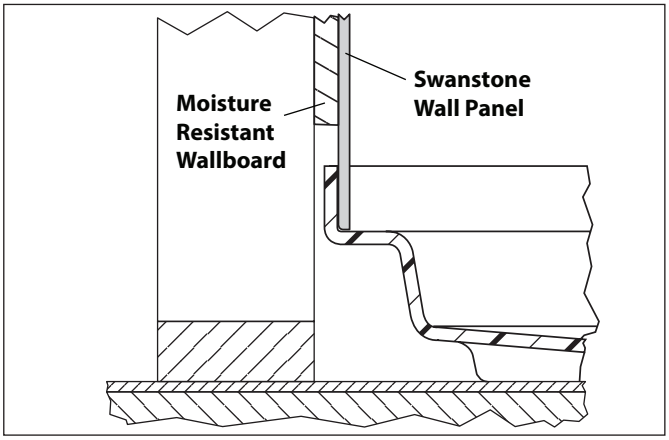
⚠ WARNING

Do Not Use Nails

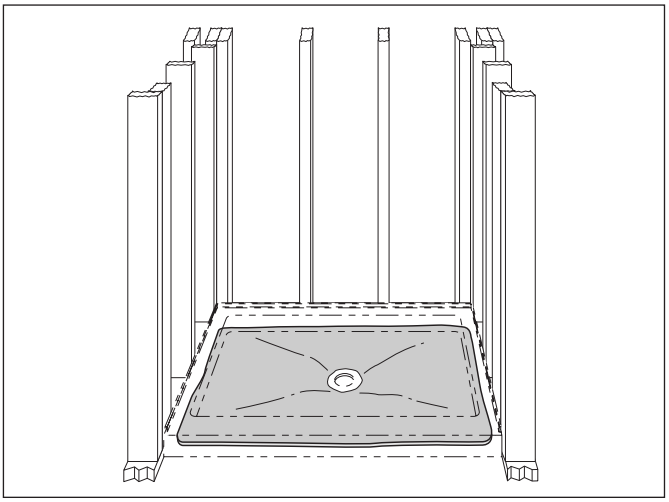
To prevent damage to the shower floor and possible water or other damage to floors, pipes, walls, or other portions of your building or home, do not nail or screw through the shower floor to secure it to the framework. Nails are not necessary to hold the shower floor in place, but if nails are used they must be installed above the shower flange and not through it. Refer to the specific instructions in this manual for the proper installation of these optional nails.

Note: The ideal installation results when the outside surface of the wall board and shower floor flange are flush, as shown in the illustration below. This dimension allows the Comfort Designs with Swan Solid Surface wall panels or alternate shower wall material, to rest against the lip of the shower floor once the moisture-resistant wall board is installed, as shown in the second illustration below.



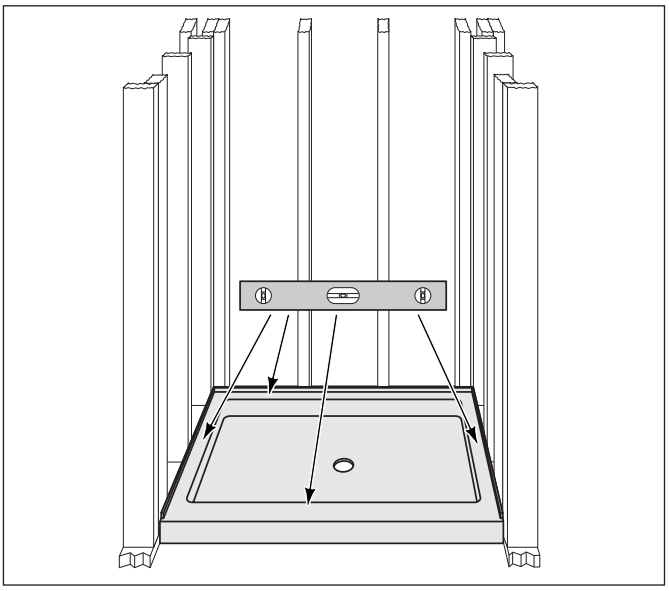


2. Place up to a 1/2" thick slurry of fast-drying cement or mortar on the floor. Mix enough material to cover the area under the shower floor. This will ensure complete contact and support by the existing sub-floor, eliminating shower floor flex during normal use. Taper the mortar/thinset to 1/4" thick around the floor drain. Do not place the material closer than 2" to the edge of the shower floor or the floor drain opening.



3. Place the shower floor into the rough opening and firmly press it into the mortar/thinset. The exposed front bottom edge(s) of the shower floor should contact the sub-floor.

4. Level the shower floor in both directions, and allow the mortar/thinset to cure for 24 hours. Once cured, the mortar/thinset will prevent the shower floor from moving without the use of any mechanical fasteners.



5. Refer to Floor Drain Installation section in this manual to complete the shower floor installation procedure.

3. Place the shower floor into the rough opening and firmly press it into the mortar/thinset. The exposed front bottom edge(s) of the shower floor should contact the sub-floor.
4. Level the shower floor in both directions, and allow the mortar/thinset to cure for 24 hours. Once cured, the mortar/thinset will prevent the shower floor from moving without the use of any mechanical fasteners.
5. Refer to Floor Drain Installation section in this manual to complete the shower floor installation procedure.

Barrier-Free Shower Floor and Ramp Installation

The barrier-free shower floor is designed to be installed directly on the sub-floor and should fit in the rough opening with a recommended 3/16" gap between the shower floor and the framework.

If the installation of the barrier-free shower floor requires the attachment of the barrier-free shower ramp, it is essential that the eight stainless steel clips, included with the ramp, be attached to the threshold of the barrier-free shower floor **before** final installation.

IMPORTANT NOTICE

The shower floor must be set in a bed of mortar to provide adequate support, as described in Step 5. Install the shower floor using a mortar mixture or an equivalent material, such as thinset.

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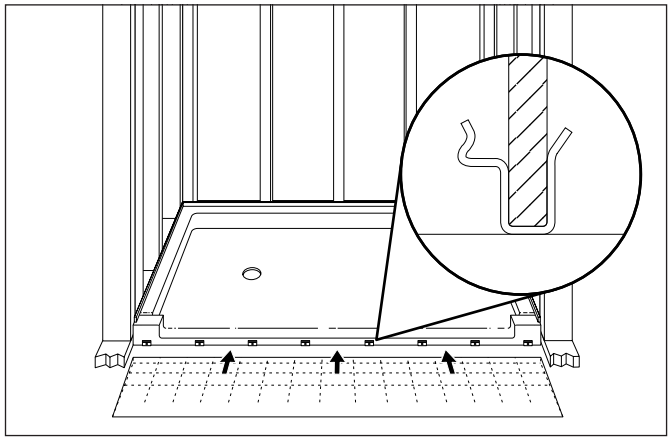
1. Attach each of the eight stainless steel clips to the underside of the shower floor threshold, positioned so they will be located between alternating structural ribs on the underside of the shower floor ramp.
2. Place the shower floor in the opening. Make sure the recommended 3/16" gap exists between the shower floor, the side wall framework, and the back wall framework.

Note: The bottom of the clips must contact the sub-floor. If necessary, shim under the barrier-free shower floor for sub-floor contact to prevent the clips from being dislodged.



3. Level the barrier-free shower floor in both directions and make sure all support ribs and the front edge of the shower base make firm contact with the sub-floor. If any part of the shower floor is not completely supported, proceed to Steps 5a through 5d.

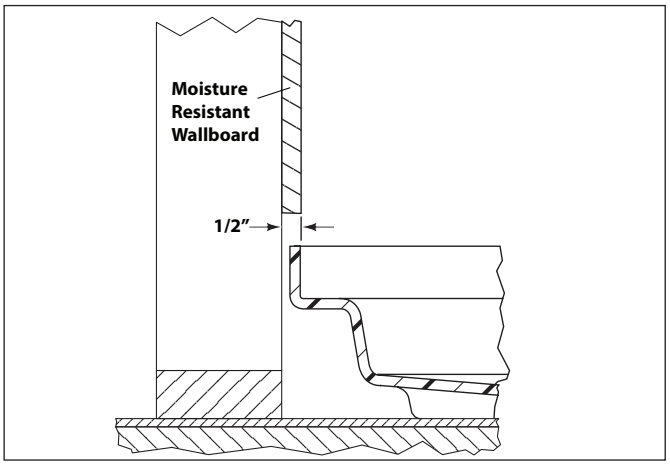
Note: Optional, but not required, fasten the shower floor to the framework by toe-nailing above the floor flange, refer to the Optional Shower Floor Toe-nailing Procedure section in this manual. Do not drive nails through any part of the shower base, as stated below.

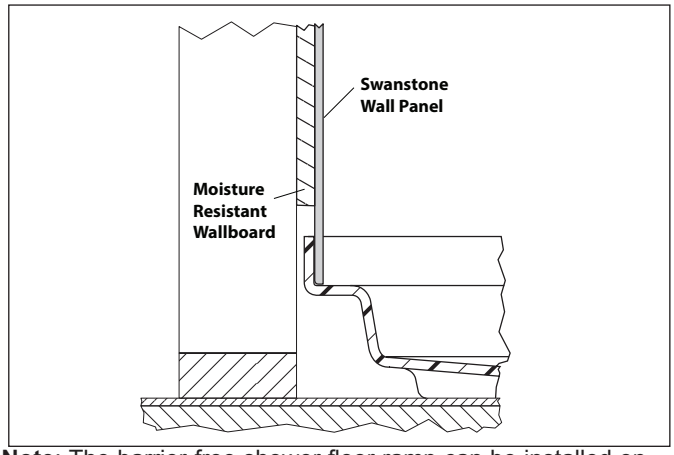
⚠ WARNING

Do Not Use Nails

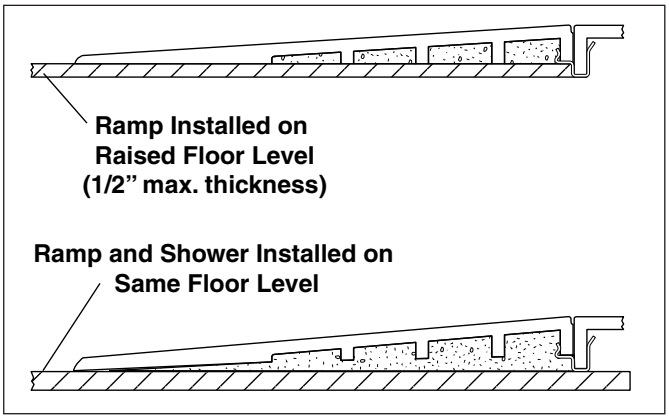
To prevent damage to the shower floor and possible water or other damage to floors, pipes, walls, or other portions of your building or home, do not nail or screw **through** the shower floor to secure it to the framework. Nails are not necessary to hold the shower floor in place, but if nails are used they must be installed **above** the shower flange and not through it. Refer to the specific instructions in this manual for the proper installation of these optional nails.

Note: The ideal installation results when the outside surface of the wall board and shower floor flange are flush, as shown in the illustration below. This dimension allows the Comfort Designs with Swan Solid Surface wall panels or alternate shower wall material, to rest against the lip of the shower floor once the moisture-resistant wall board is installed, as shown in the second illustration below.

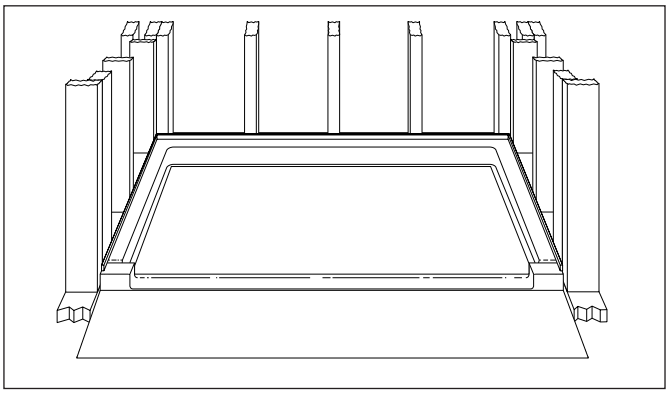




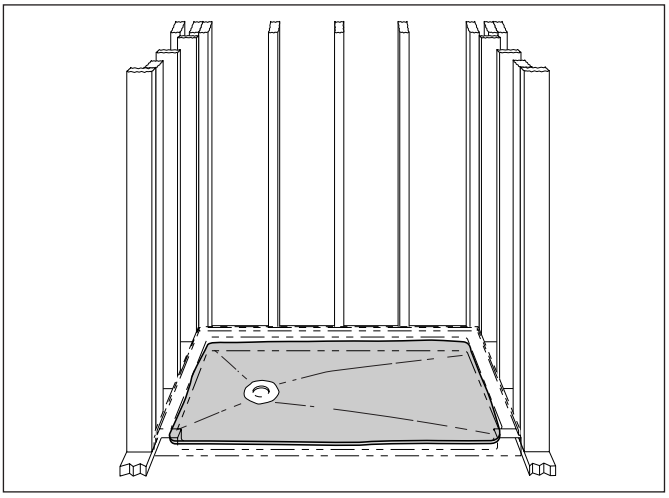
Note: The barrier-free shower floor ramp can be installed on the same floor surface as the shower floor or can be installed on raised floor surface (up to 1/2" thick), as shown below.



4. Place the barrier-free shower floor ramp into all eight of the stainless steel clips to prevent the shower ramp from moving. The front (thin) edge of the shower floor ramp must completely contact the floor surface.

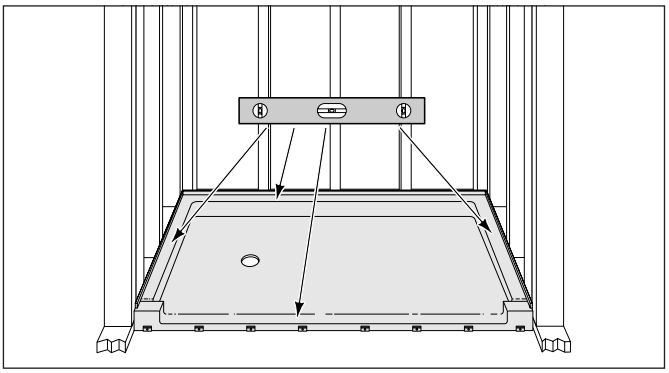


5a. Place up to a 1/2" thick slurry of fast-drying cement or mortar on the floor. This will ensure complete contact and support by the existing sub-floor, eliminating shower floor flex during normal use. Taper the mortar/thinset to 1/4" thick around the floor drain. Mix enough material to cover the area under the shower floor. Do not place the material closer than 2" to the edge of the shower floor or the drain opening.



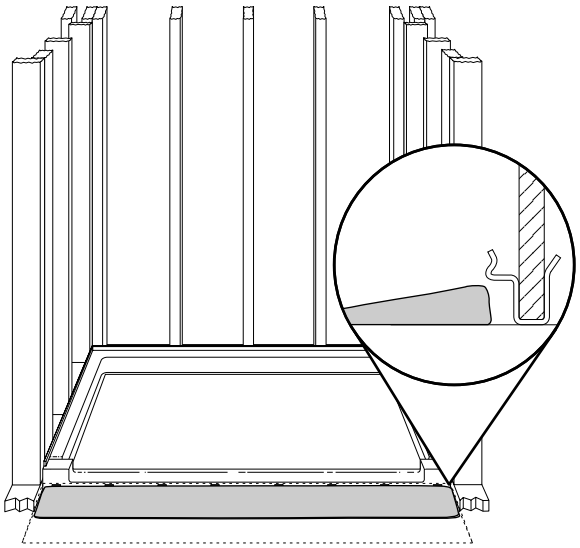
5b. With the stainless steel clips installed on the threshold, place the barrier-free shower floor into the framework and firmly press it into the mortar/thinset. The outer perimeter of the shower floor should contact the sub-floor.

5c. Level the barrier-free shower floor in both directions, and allow the mortar/thinset to cure for 24 hours. Once cured, the mortar/thinset will prevent the shower floor from moving without the use of any mechanical fasteners. **Note**: Clean up any excess mortar/thinset and allow the mortar/thinset under the barrier-free shower floor ramp to cure for 24 hours.



Note: Clean up any excess mortar/thinset and allow the mortar/thinset under the barrier-free shower floor ramp to cure for 24 hours.

5d. Place the barrier-free shower floor ramp into a slurry of fast-drying cement or mortar and all eight of the stainless steel clips to prevent the shower ramp from moving. The front (thin) edge of the shower floor ramp must completely contact the floor surface.



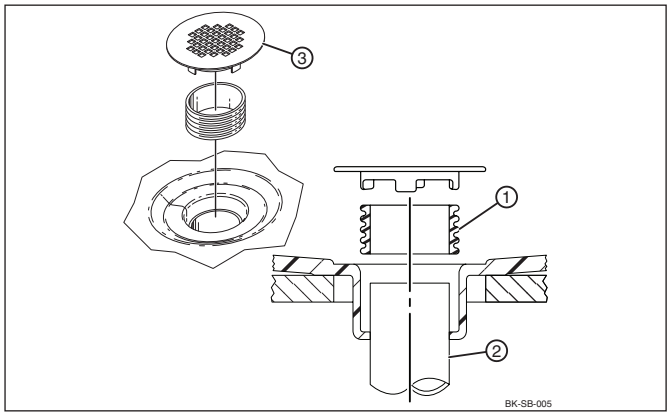
6. Apply a bead of 100% silicone sealant to seal the joint between the shower floor and shower floor ramp.

Note: If the shower walls extend past the shower floor, apply a bead of silicone sealant at the joint where the walls and shower floor ramp meet.

Floor Drain Installation

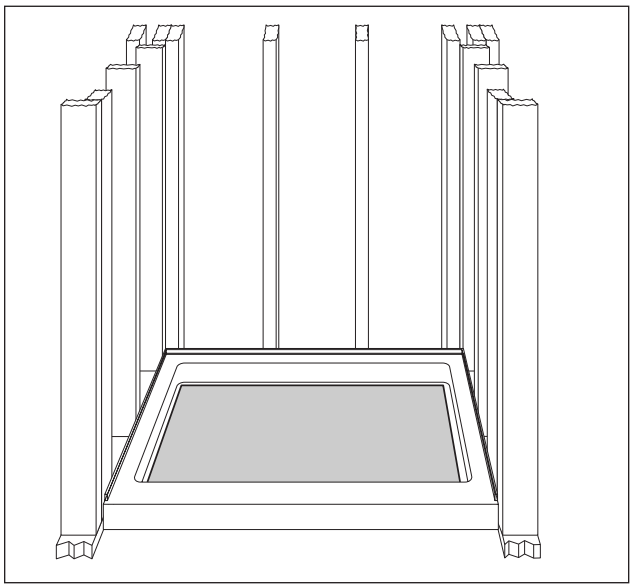
If no-hub, cast-iron drain pipe is used, make sure the end of the pipe is free of nicks, cuts, or burrs. To ensure a proper seal, lightly sand the outside of the drain pipe with emery paper or “0000” steel wool.

1. Lubricate both caulk seal gasket (1) and drain pipe (2) with either liquid hand soap or dish-washing liquid, and slide the caulk seal gasket over the drain pipe.
2. Complete the installation by snapping strainer plate (3) into place. With metal strainers, it may be necessary to bend the strainer tines slightly outward.



Note: If you need to pry the strainer up from the drain, you have a proper fit.

3. Place cardboard, or similar scratch resistant material, in the bottom of the shower floor to prevent possible damage during further construction.



The shower floor/floor installation is now complete.

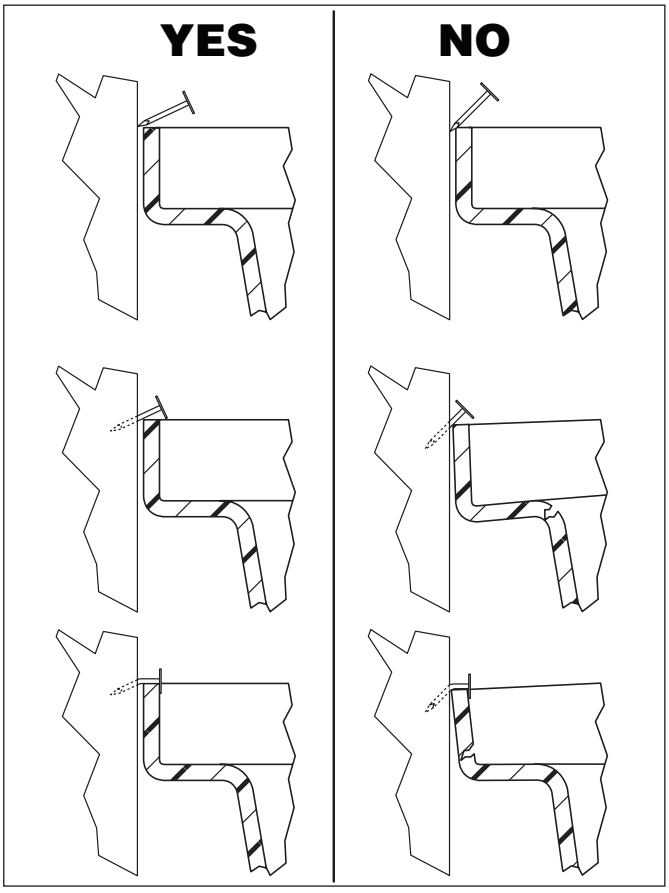
Optional Shower Floor Toe-nailing Procedure

If desired, after the shower floor has been set into a mortar base and leveled, follow this optional procedure for toe-nailing the shower floor to the framework.

⚠ WARNING

The shower floor must be set in a bed of mortar to properly hold it in place. Nails may also be added, but are not necessary to hold the shower floor in place. To prevent damage to the shower floor and possible water or other damage to floors, pipes, walls, or other portions of your building or home, do not nail or screw **through** any part of the shower floor. If nails are used, they must be installed **above** the shower floor flange and not through it.

1. Drive large head (roofing) nails into the studs **just above** the top of the shower floor flange, at a slight downward angle until the head is flush with the edge of the shower floor lip.
2. Tap the head of the nail downward so it is just above the flange. **Do not** put side or downward pressure against the flange.



Caulking Joints

If silicone caulking was applied after installation of the wall panels or tile, inspect the caulking joints monthly for damage or any signs of separation from the mating surface. Cracks in the caulking will allow water to leak into the surrounding surfaces. **Reapply caulking to any joint showing signs of wear or cracking.** Failure to inspect and repair caulking joints will void the warranty.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