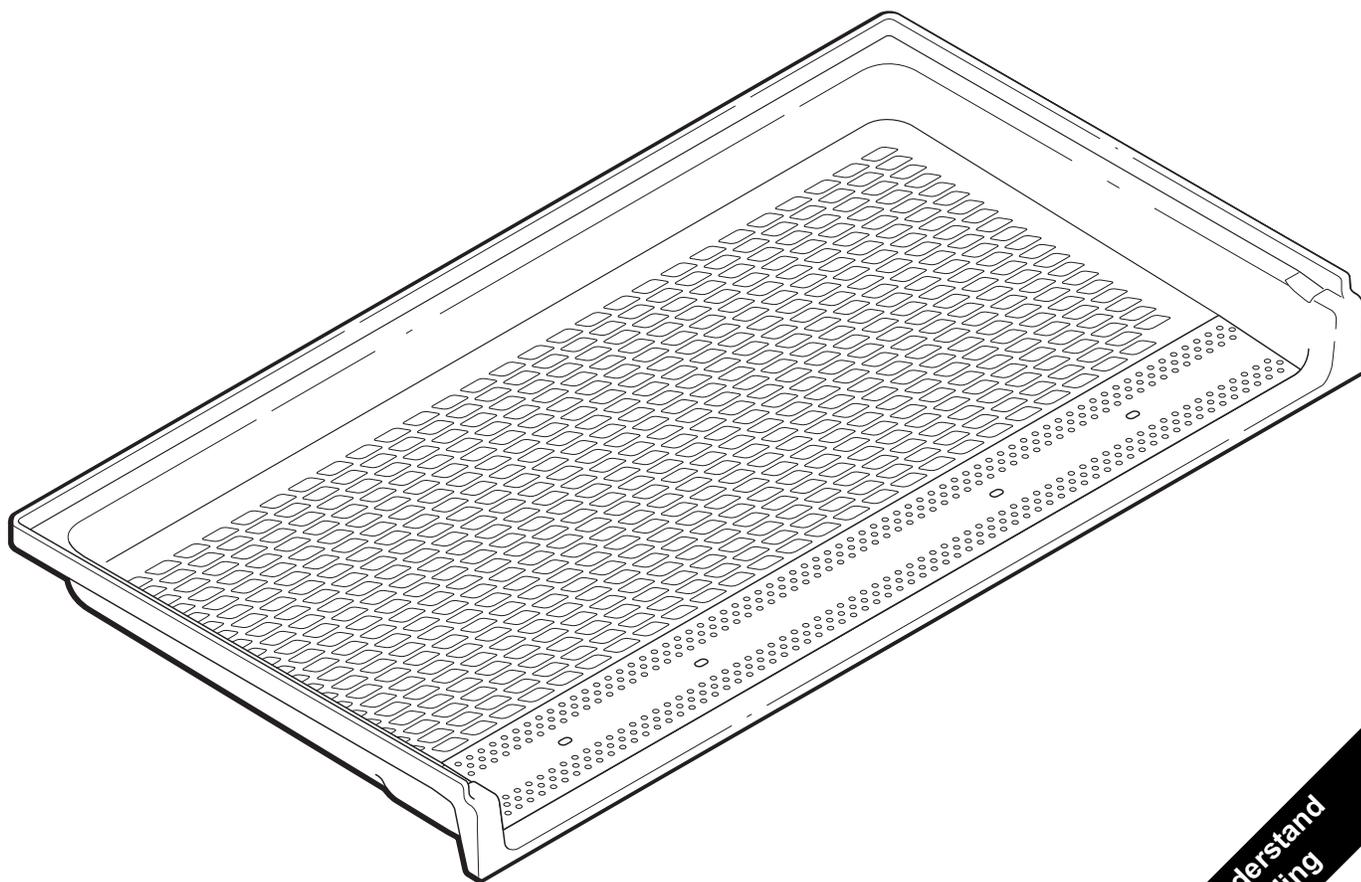




**SBF-3464**  
**FBF-3464**  
**ADA Barrier-Free Shower Floor**

- **Product Warnings**
- **Safety Guidelines**
- **General Information**
- **Installation Procedure**
- **Cleaning & Maintenance**
- **Warranty Information**



**Read and Understand  
Before Installing**



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

## Remember - Safety First

### IMPORTANT NOTICE

The Swan Corporation, 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 The Swan Corporation is used, you must satisfy yourself that it is safe. You should also make sure that the Swan product(s) will not be damaged by the methods you choose. The Swan Corporation will not be held responsible for water damage of any kind in connection with the installation of one of our Swan 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.

### WARRANTY

This product is covered by a Limited Lifetime Warranty. Refer to the Warranty section in this manual for complete details.

### **Save this manual for future reference.**

Important information on cleaning and maintenance is contained within.

# Safety Guidelines

## 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 Swan 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.



### Use Proper Tools

Always use proper tools which are in good, working condition during the installation of the Swan products. Using tools other than those listed could adversely affect the integrity of floors, pipes, walls, or this product and could result in water damage, or other damage to floors, pipes, walls, or other portions of your building or home.



### 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 are not necessary to hold the shower floor in place.



### Inspect Before Cutting

Make sure no electrical wiring or plumbing is present before cutting into the floor for the floor drain.

## 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.



### Lifting Hazard

According to the National Institute for Occupational Safety and Health, the recommended maximum safe lifting weight is 51 pounds, with all lifting conditions perfect—minimal forward reach, steady load close to the body, straight back, load between knees and shoulders, and good grips. To avoid personal injury, always use these proper lifting techniques and use two people to move heavy cartons. Use appropriate lifting devices to move the load. Always use two people when lifting heavy or bulky cartons. **DO NOT** attempt to lift objects that are too heavy.

### WHEN CARRYING A HEAVY LOAD—GET HELP!



### Slipping Hazard

Do not install this product in the presence of water. Installing this product without drying all surfaces, or in the presence of water, could cause you to slip and fall due to wet floors or spilled fluids. Personal injury can result from slips or falls. Before installation, dry all surfaces, including the floor, with a cloth or paper towel. Clean up all water or spilled fluids immediately.



### Tripping Hazard

Personal injury can result from tripping over power cords, tools, or other items. **DO NOT** leave items laying around the work area.



### 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.



### Cutting Hazard

The installation of the Swan product may require using power tools. Keep hands away from the cutting edge of any tool used in the installation of our product. Placing fingers in or around the cutting blades could result in serious personal injury.

**! WARNING**

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



**Eye Protection**

Be sure to use all personal protective equipment to ensure your own safety. To avoid eye injury, always wear protective glasses with side shields when using power tools. Also, make sure no one else can be injured by flying particles when using power tools.



**Fire Hazard**

Personal injury or death can result from a fire caused by flammable liquids or silicone. Cleaners or solvents can be highly explosive, resulting in personal injury or even death, when not used properly. Clean up any flammable substance immediately. Sparks or open flames can cause flammable substances to ignite. **DO NOT** smoke while working on or near any flammable substance.



**Solvents Hazard**

Follow all manufacturer's safety instructions for silicone and denatured alcohol. Alcohol vapors are both flammable and hazardous to breathe. Silicone vapors may irritate eyes and nose. Personal injury can result from improperly handling or use of products such as denatured alcohol. Always follow the manufacturer's recommendations for the safe use of these products. Ventilate any work area before beginning to apply silicone, cleaning agents, or solvents.



**Fumes Hazard**

The fumes from the silicone and solvents used by the installer can be harmful if used in an unventilated room. Always work in a well-ventilated area.



**Dust Hazard**

When cutting the hole for the trench 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.



**Power Tool Hazard**

To prevent personal injury or possible death, always follow the electrical safety recommendations of the power tool's manufacturer. Do not use power tools in an unsafe manner. Power tools should only be connected to a circuit protected by a ground-fault circuit interrupter (GFI).



**Shock Hazard**

Never use electric power tools around water, condensation, or other liquids. Electric shock can cause severe burns, significant injuries, and even death. If an extension cord is required, always use an OSHA approved extension cord. Power cords should only be connected to a circuit protected by a ground-fault circuit interrupter (GFI).



**Electrical Shock Hazard**

Contacting live electrical wiring with power tools or hand tools can cause serious injury or death. Make sure all related circuit breakers are turned OFF. Test for live circuits or wiring inside any wall where installation of the Swan product requires cutting into a wall.



**Electrocution Hazard**

Water and other liquids conduct electric current and can create a short circuit, resulting in injury or death. Keep all liquids away from electrical cords and power tools. **DO NOT** create a short circuit between a source of electricity and a liquid by being in contact with both simultaneously.



**Grab Bars**

For ADA Accessibility Guideline compliance, shower compartments must be equipped with support grab bars that comply with ADA 4.26 requirements. Grab bars must be anchored to structural support (wall studs) behind shower compartment panels. Do not rely on the panels only for grab bar support!

## General Information

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### General Information

Followed carefully, these installation instructions will result in an easy, trouble-free installation of your Swan Corporation product. Any deviations, additions, and/or deletions from the prescribed installation, without prior written approval of our Customer Relations 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 Swan Corporation ADA Barrier-Free Shower Floor is installed in conjunction with a Swanstone wall kit, please read both instruction manuals before proceeding. The stud wall framework must first have the appropriate [1/2" (13 mm) or thicker] moisture-resistant wallboard, marine grade plywood, or cement board installed.**

**Note:** Install the appropriate wallboard material after installing the barrier-free shower floor.

### Required Tools

- Level
- Tape Measure
- Carpenters Square
- Silicone Caulk (for drain installation)
- Filler (thinset or mortar)
- 1/2" Grooved Trowel
- Clean Paper Towels or Shop Towels

### Unpackaging

- Use care when opening the box so that you do not damage the ADA barrier-free shower floor.
- This product is shipped to you or your retail center 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 to the store of purchase. Installation of a damaged product will void the warranty.
- Make sure the ADA barrier-free 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 it's time to install the shower floor.
- Store the ADA barrier-free 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 the 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 subfloor is finished prior to installation of the shower floor and wall panels.
- Make sure the drain hole in the subfloor or slab is large enough (6" diameter recommended) and aligns with the hole in the shower floor.
- Make sure the subfloor under the shower floor is level in both directions. The shower floor must be level when installed. Improper installation will void the warranty.
- The subfloor under the shower floor must be free of dirt, film, waxes, or any other residues.

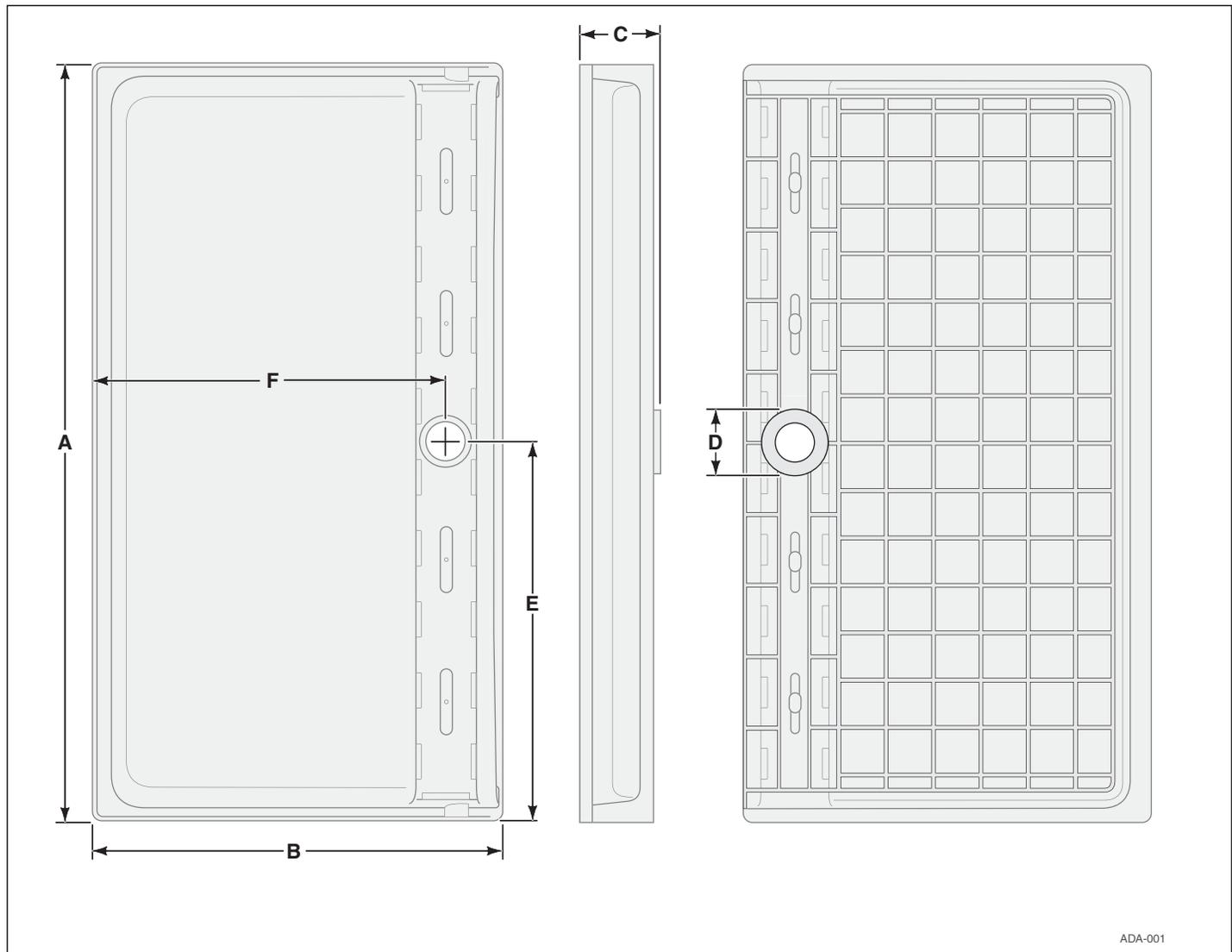
### Disclaimer

- The information contained in this Installation Instruction is given free of charge. It is based upon technical data which we believe to be reliable and is intended for use, by persons having knowledge of this technical area, at their own discretion and risk. The Swan Corporation assumes no responsibility for results obtained or damage incurred from the use of this material either in whole or in part by the buyer.
- This manual will give you basic step-by-step instructions for the installation of the product that will work in most types of installations. If you have an installation application that is not covered in this manual, **before beginning the installation**, please call your local Swan distributor or contact the Swan Corporation directly for additional information about your application.
- Follow all installation instructions. Failure to follow these instructions could result in personal injuries, water damage, or other damage to floors, pipes, walls, or other portions of your building or home.

### ADA Applications

This product meets the dimensional requirement to allow for installation in ADA application. For up-to-date ADA regulations, visit [www.ADA.gov](http://www.ADA.gov).

# General Information



ADA-001

## ADA Barrier-Free Shower Floor - Approximate Dimensions

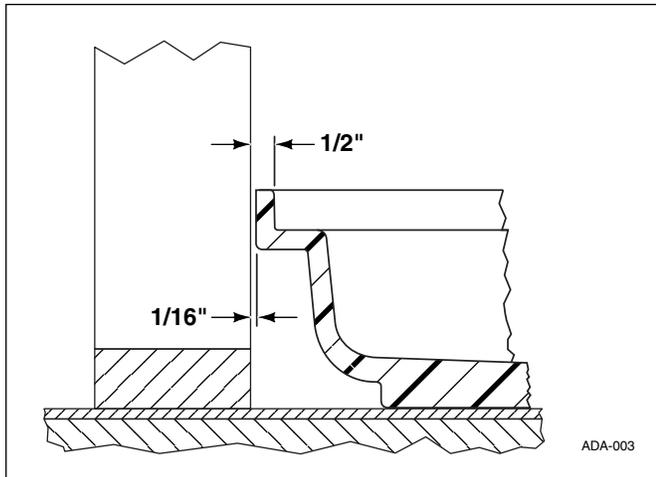
Item	Description	Measurement
A	Length	64" (160 cm)
B	Width	34" (86 cm)
C	Depth	1-3/4" (5 cm)
D	Floor Drain Diameter	5-1/4" (14 cm)
E	Center of Drain	32" (80 cm)
F	Center of Drain	29-5/8" (75 cm)

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.

## Installation Options

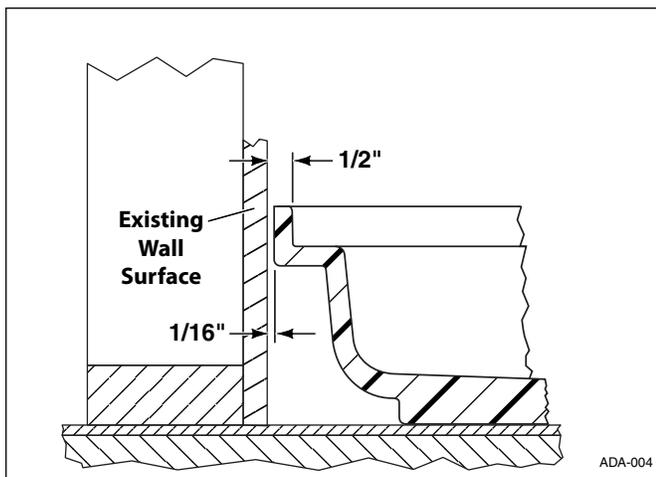
- For new construction, the shower floor can be installed with the flange directly against the stud wall framework ( $1/16''$  gap) and  $1/2''$  moisture-resistant wallboard installed above the shower floor flange.

Dry fit the shower floor to make sure it fits correctly in the shower enclosure framework. The ideal gap between the shower floor flange, each side wall framework, and the back wall framework is  $1/16''$ , as shown below.



- For existing construction, the shower floor can be installed with the flange against existing moisture-resistant wallboard ( $1/16''$  gap) with a second layer of  $1/2''$  moisture-resistant wallboard added above the shower floor flange.

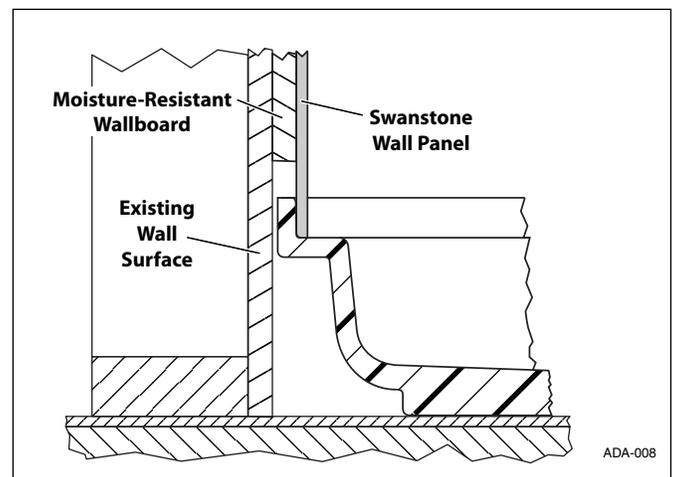
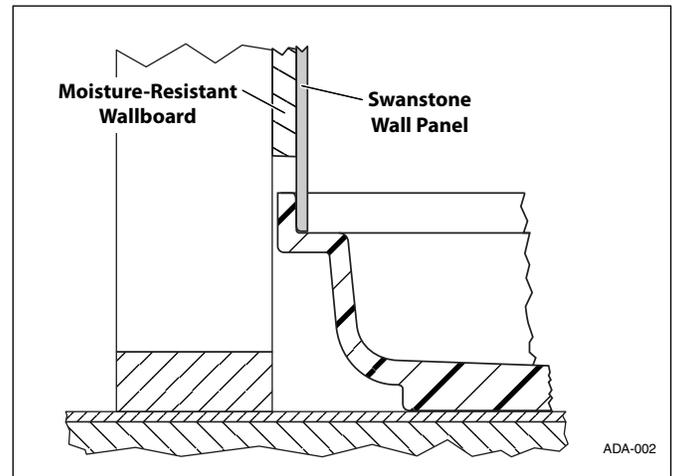
Dry fit the shower floor to make sure it fits correctly in the shower enclosure framework. If necessary, modify the framework to achieve the proper shower floor fit. The illustration below shows the ideal shower floor flange to existing wall surface gap of  $1/16''$ .



## IMPORTANT NOTICE

The ideal installation occurs when the outside surface of the wallboard and shower floor flange are flush, as shown in the illustrations below. This dimension allows the Swan wall panels, or alternate shower wall material, to rest against the lip of the shower floor once the moisture-resistant wallboard is installed.

If the barrier-free shower floor does not fit the stud wall framework closely (a gap larger than  $1/8''$  between the flange and stud walls), the  $1/2''$  moisture-resistant wallboard must be shimmed out, or thicker moisture-resistant wallboard such as  $5/8''$  material can be used in place of the  $1/2''$  wallboard.



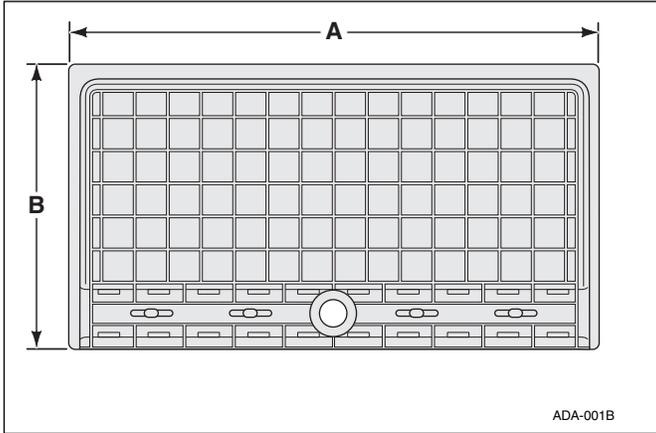
# Installation Procedure

## Shower Wall Construction

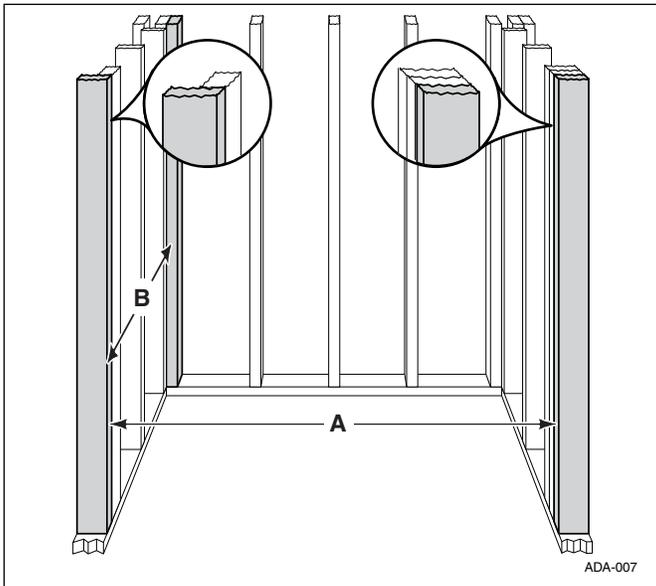
1. Measure the actual ADA barrier-free shower floor prior to building or modifying the stud wall framework to determine the exact size required.

A: \_\_\_\_\_

B: \_\_\_\_\_



2. Add 1/8" to width measurement (A) and at least 1/8" or more to depth measurement (B) of the shower floor to correctly size the framework opening.



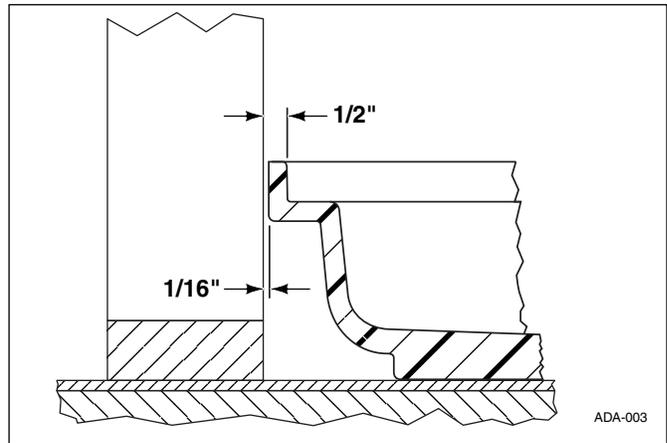
3. When constructing or modifying stud wall framework, make sure to install (gang) multiple studs, as shown above, to provide support for any required moisture-resistant wallboard, solid surface panel attachment flanges, filler boards, shower doors, etc.

## Shower Floor Installation

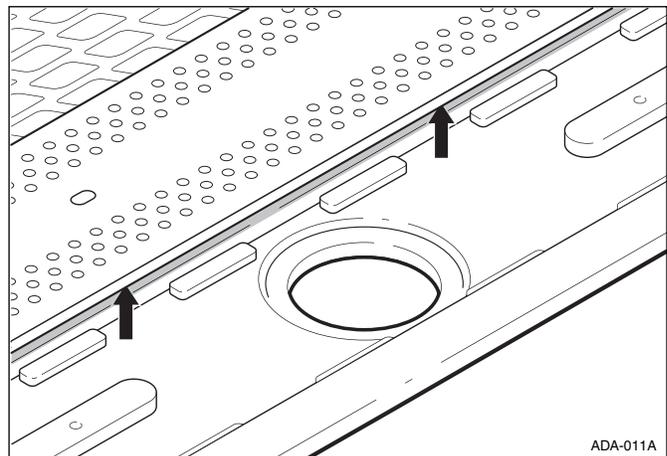
### IMPORTANT NOTICE

If the floor is not level and flat, the shower floor must be set in a bed of mortar to provide adequate support, as described in Step 9. Install the shower floor using a mortar mixture or an equivalent material, such as thinset. If the floor is perfectly level and flat, you may proceed directly to Step 10.

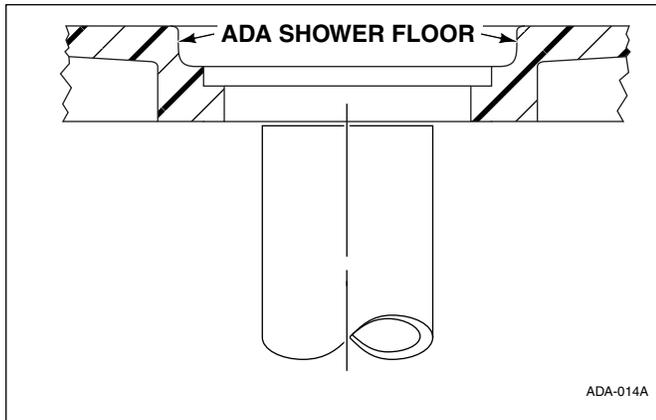
1. Dry fit the shower floor making sure there is a 1/16" gap around the edges and to ensure a proper fit.



2. Remove the drain cover located over the trench drain. **Do not discard or lose this cover.**



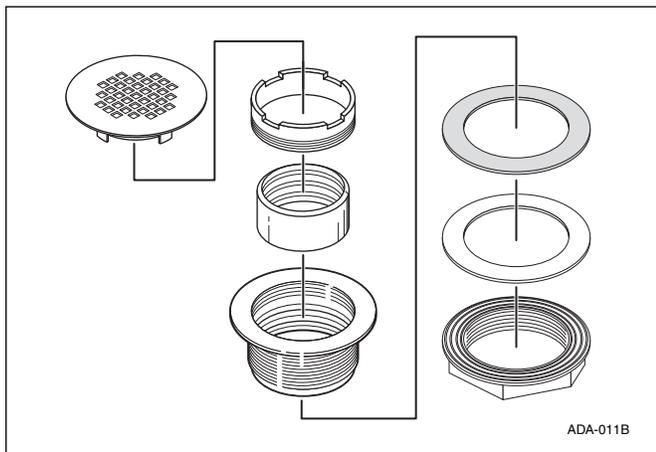
- Have a licensed plumber install the rough-in plumbing. The shower floor is designed for 2" I.D. cast-iron (no-hub) or plastic drain pipe. The top of the rough-in drain pipe should be even with the bottom flange of the shower floor.



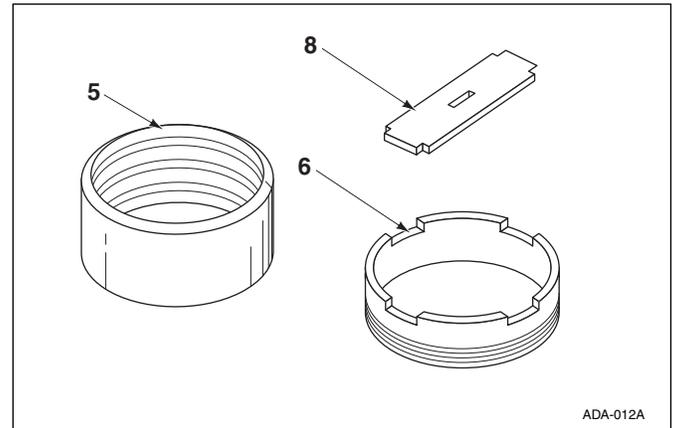
## IMPORTANT NOTICE

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.

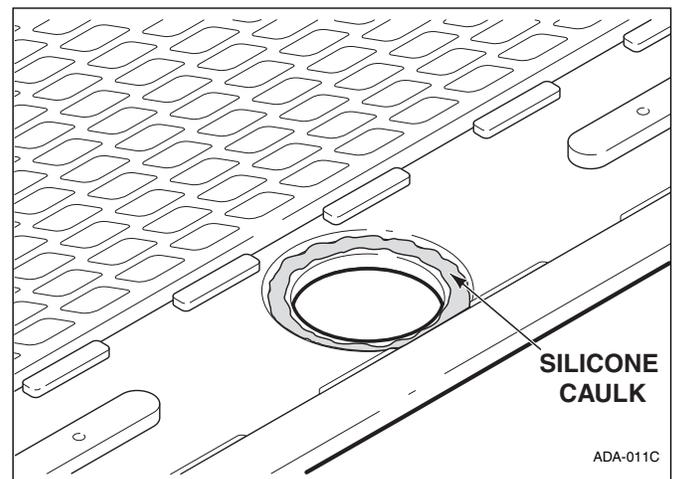
- Disassemble the floor drain kit.



- Rubber caulking gasket (5), caulking nut (6), and wrench (8) will be installed after the shower floor is installed.

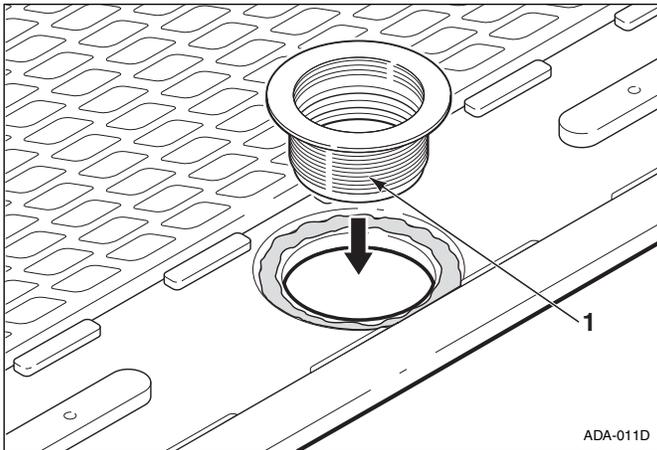


- Apply a bead of silicone caulk around the lip of the shower floor drain opening to provide a watertight seal.

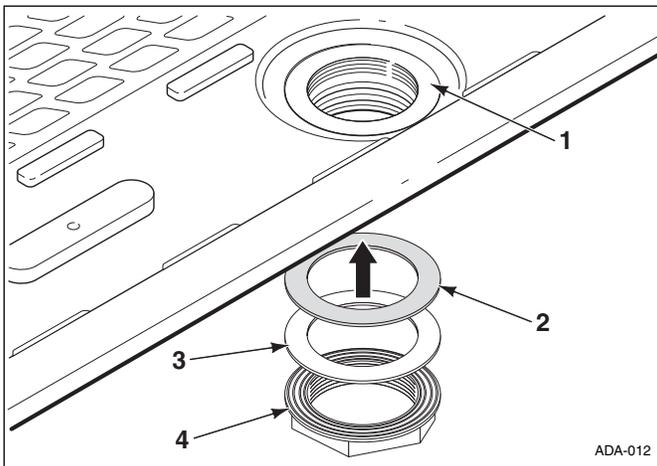


# Installation Procedure

7. Insert drain body (1) through the opening from the top side of the shower floor.

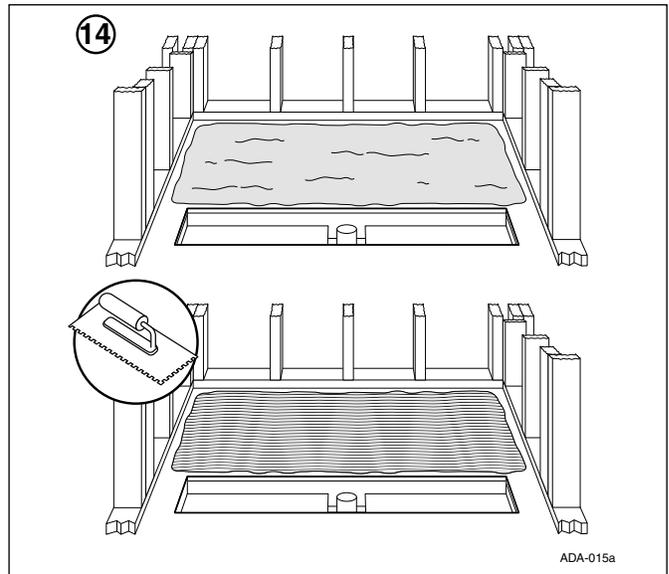


8. From the underside of the shower floor, install rubber washer (2), fiber gasket (3), and locking nut (4). Tighten the locking nut enough to compress the rubber gasket.

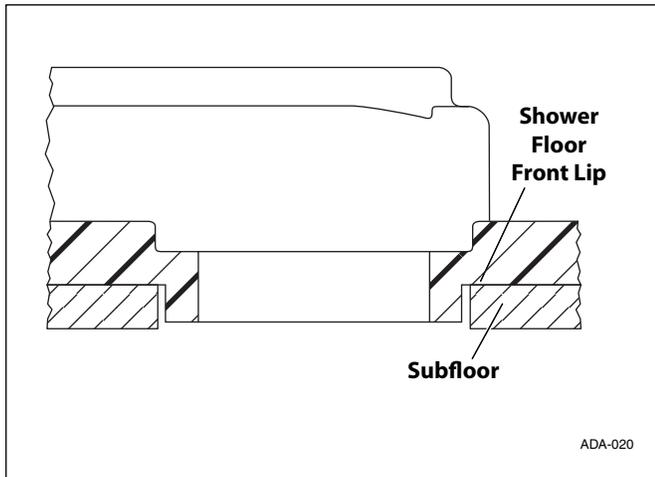


9. Using a 1/2" notched trowel, place a layer of mortar/thinset on the floor. Taper the mortar/thinset to 1/4" thick near the drain.

Mix enough material to cover the area under the shower floor. This will ensure complete contact and support by the existing subfloor, eliminating shower floor flex during normal use. Do not place the mortar/thinset closer than 2" from the edges of the shower floor.



10. Place the shower floor into the rough opening and firmly press it into the mortar/thinset. Make sure the entire length of the shower floor front lip is supported by the subfloor.



**Note:** Make sure the side and back flanges of the shower floor are parallel with the framework, with an even gap (recommended 1/16") between the framework and the shower floor flanges.

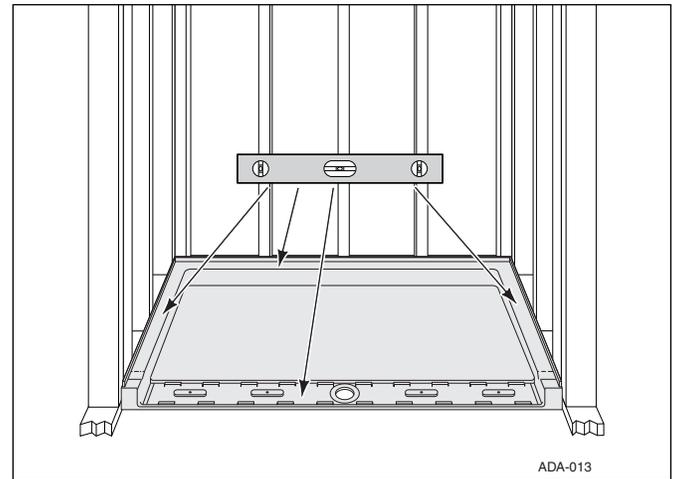
## ⚠ CAUTION



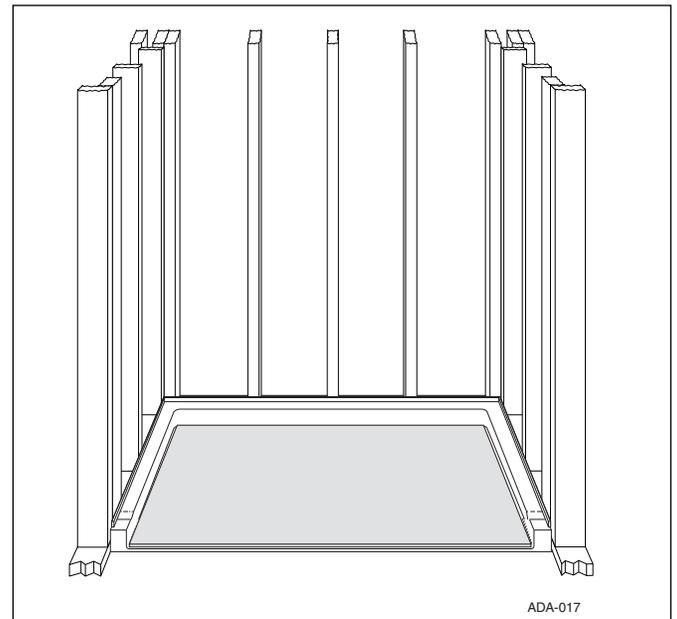
### Do Not Use Nails

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 use nails or screws to secure it to the framework. Nails are not necessary to hold the shower floor in place and will void the warranty.

11. Level the shower floor in both directions and allow the mortar/thinset to set up for 24 hours. Once cured, the mortar/thinset will prevent the shower floor from moving, eliminating the need for a mechanical fastener.

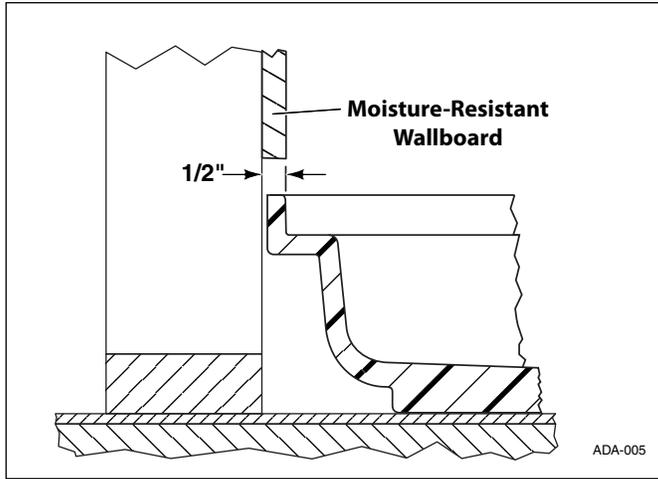


12. Place cardboard, or similar scratch-resistant material, in the bottom of the shower floor to prevent possible damage during further construction.



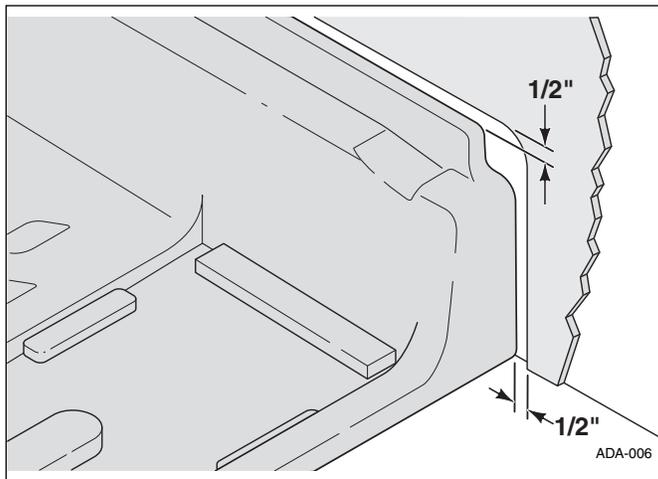
# Installation Procedure

13. After the mortar/thinset has set up (24 hours), install 1/2" moisture-resistant wallboard, as shown. The ideal installation results when the outside surface of the wallboard and shower floor flange are flush, as shown in the illustration below.

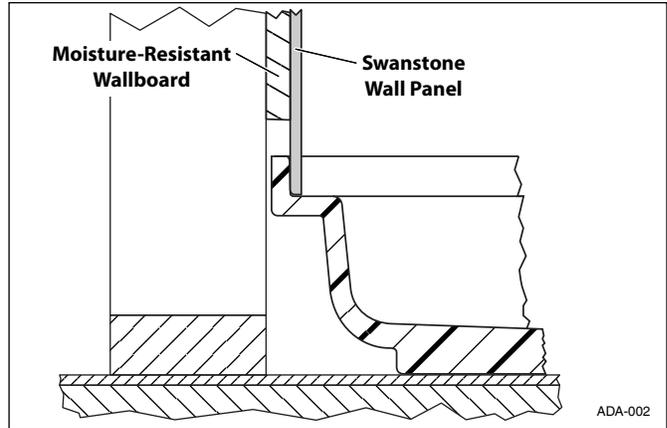


## IMPORTANT NOTICE

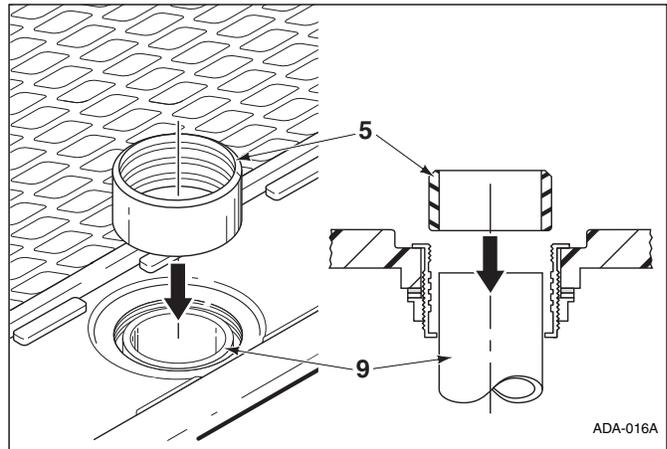
To prevent possible water damage (wicking affect) to the wall, the wallboard must have a 1/2" gap around the shower floor flange, as shown in the illustration below.



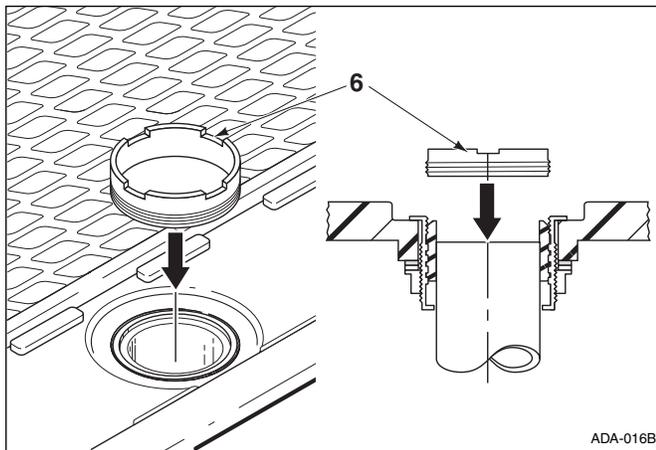
14. A Swanstone, or alternate shower wall material, can now be installed over the 1/2" moisture-resistant wallboard and shower floor flange. Follow the installation instructions for the wall panel system when installing the walls.



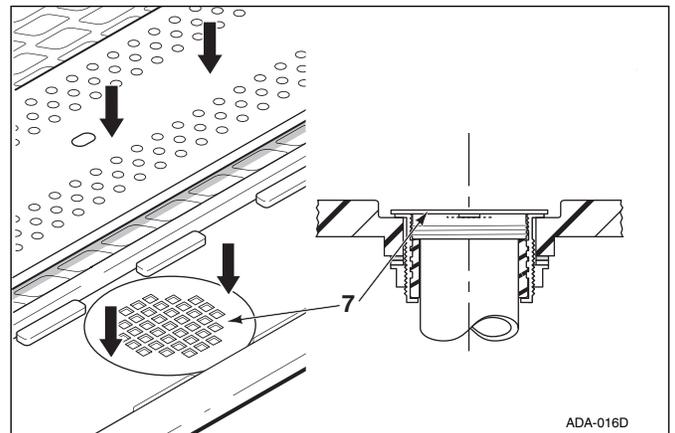
15. Lubricate both rubber caulking gasket (5) and drain pipe (9) with dishwashing liquid. Slide the rubber caulking gasket over the drain pipe and down into the drain body.



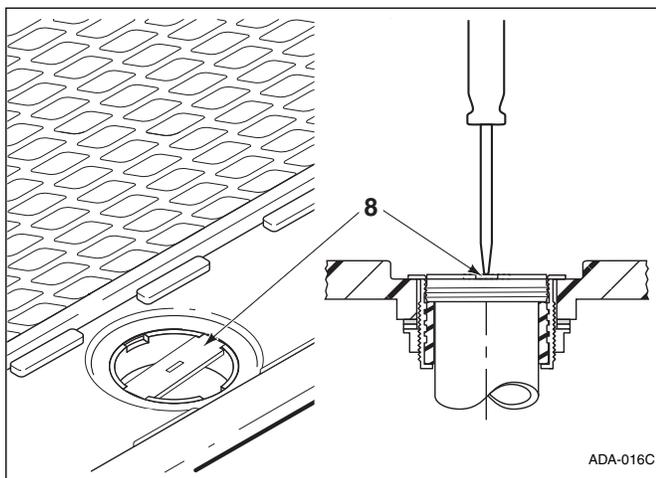
16. Install caulking nut (6), slotted side up, by threading it into the drain body.



18. Snap round strainer cover (7) onto the drain. Finally, install the trench drain cover.



17. Insert wrench (8) into the slots in the caulking nut. Tighten the nut by using a large flat-bladed screwdriver inserted in the center slot of the wrench. Do not overtighten the nut.



**The shower floor installation is now complete. DO NOT discard these installation instructions. PLEASE LEAVE THEM WITH THE HOMEOWNER.**

# Cleaning & Maintenance

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## Care and Cleaning

Swan products are stain and wear resistant; however, the finish requires reasonable care.

### IMPORTANT NOTICE

Because cleaning products change over time, always check the manufacturer's instructions to make sure it is compatible with plastic. **DO NOT** use a cleaner if the label indicates it should not be used on plastics. **DO NOT** use spray-on cleaners that require daily use without immediately rinsing with water to stop the chemical cleaning reaction because damage will result and void the warranty.

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## Day-To-Day Cleanup

Simply wipe the surfaces with a clean towel to remove watermarks and residues. Swan Corporation ADA Barrier-Free Shower Floors can be cleaned with warm water, a soft cloth, and normal (nonabrasive) household detergents or cleansers, such as Fantastic, Formula 409, Clorox Clean-up, Handy Andy, Mr. Clean, or Lestoil. Always rinse off cleaners within five minutes of application.

If necessary, use a nonabrasive cleaner with a nylon brush or pad to remove build-up on the shower floor surface. **Do Not** use abrasive cleansers, steel wool, or a wire brush. This will damage the surface.

## 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.

# Warranty

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## LIMITED WARRANTY FOR RESIDENTIAL APPLICATIONS

If a Swan Corporation product covered by this warranty is found to be defective in materials or workmanship, after inspection by an authorized Swan Corporation representative, we will repair, or at our option, exchange the product for a similar model. This warranty extends for a designated period of time, so long as it remains in use in its original place of installation.

This warranty covers products installed in accordance with the Swan Corporation's installation instructions, used as recommended, and not damaged due to misuse, abuse, or improper installation. It does not apply to any seams or changes made to the product by professional tradesmen or fabricators.

The warranty applies only to the original purchaser and installation of these products in residential applications. It does not apply to commercial applications.

The Swan Corporation's option to repair or exchange the products under this warranty does not cover any labor or other costs of removal or installation, nor shall the Swan Corporation be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product.

**ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE AFORESAID OBLIGATIONS ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS AGREEMENT**

### Limited Lifetime Warranty

ADA Barrier-Free Shower Floors

## LIMITED WARRANTY FOR COMMERCIAL APPLICATIONS

If a Swan Corporation product covered by this warranty is found to be defective in materials or workmanship, after inspection by an authorized Swan Corporation representative, we will repair, or at our option, exchange the product for a similar model. This warranty extends for a designated period of time, so long as it remains in use in its original place of installation.

This warranty covers only products installed in accordance with the Swan Corporation's installation instructions, used as recommended, and not damaged due to misuse, abuse, or improper installation. It does not apply to any seams or changes made to the product by professional tradesmen or fabricators.

The warranty applies only to the original purchaser and installation of these products in commercial applications.

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**ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE AFORESAID OBLIGATIONS ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS AGREEMENT**

### 10-Year Limited Warranty

ADA Barrier-Free Shower Floors





**Save these Installation Instructions for future reference. They provide important information on cleaning and maintenance of the Swan Corporation ADA Barrier-Free Shower Floor.**

