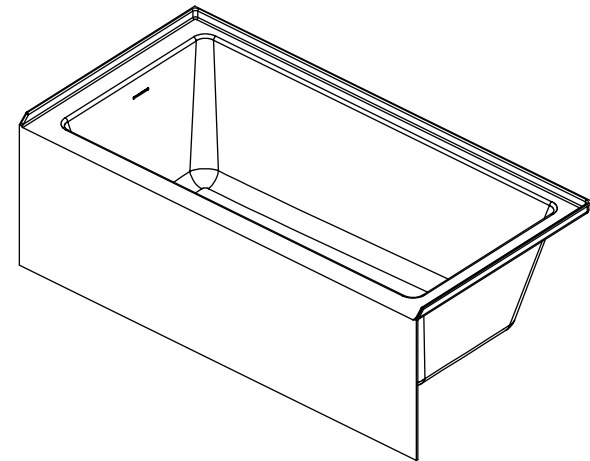


# Bathtub Installation Guide

(Alcove Bathtub)



This bathtub manual must be given to the user along with the bathtub.  
This warranty is only valid if installed by a professional installer following the steps in the instructions.



## Precautions Before and After Installation

1. Please check the product for completeness and possible damage immediately after receiving the goods.
2. Inform us immediately if any damage occurs after receiving the goods, we are not responsible for any damage incurred during or after installation.
3. You will need at least two people to install this product properly.
4. Install the bath on an adequately supported, level floor.
5. Before installation, ensure proper access to the final plumbing connections.
6. Please check the door width before starting work, and whether the purchased bathtub can safely pass through the door of the room where the bathtub will be installed.
7. Be careful not to use hoses or mounting parts when handling the tub.
8. Do not lay any circuit under the bathtub. Please use a suitable protective cover during installation to avoid damage to the product surface or internal blockage due to falling debris or dust during installation.
9. Check the waterproofness of the bathtub. After connecting the water supply and drainage pipes, you must test the water in the bathtub to check whether there is any water leakage.
10. Special precautions: When cleaning tiles, make sure that no ammonia or similar aggressive cleaning agents come into contact with the installed parts.

Note: We reserve the right to modify or change this product without prior notice.

## Installation Requirements

### A. Tools Required(Not Included)



Wrench



Tape measure



Spirit level



Safety shoes



Square ruler



Screwdriver



Pliers



Utility knife



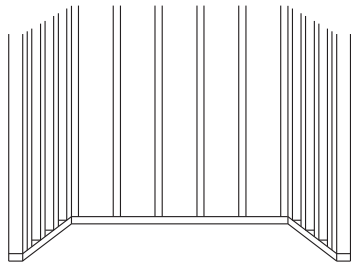
Safety glasses

### B. Materials Required(Not Included)

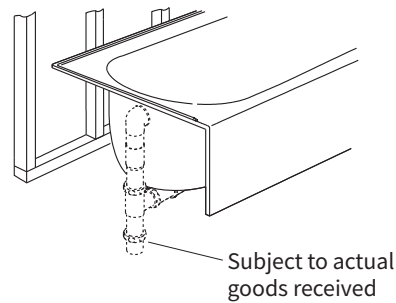
- Wall protector
- Sealing silicone
- Protective covering for the bathtub

## Installation Steps

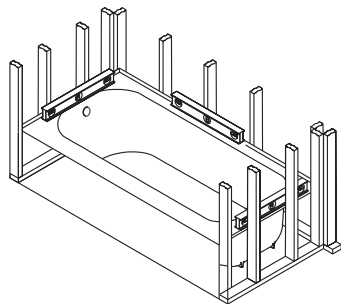
1. Construct a plumb stud pocket.



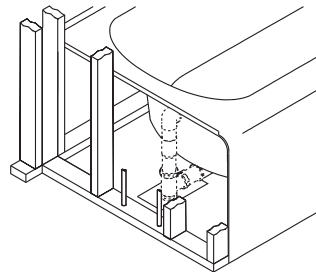
2. Install the drain to the tub.



3. Carefully move the tub into the stud pocket. Verify the bathtub is level.

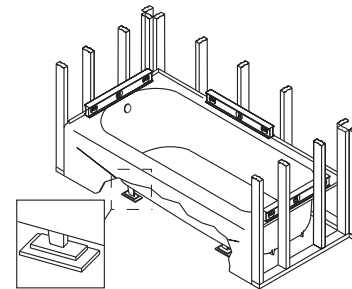


4. Connect the bath drain to the drain pipe.

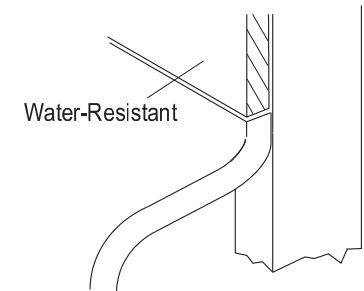


## Installation Steps

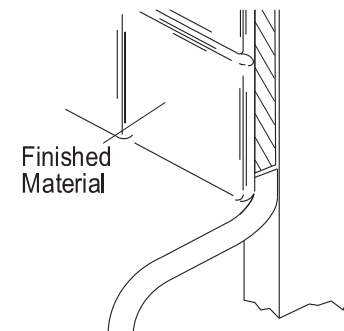
5. Make sure the tub is level, plumb, and resting on all feet.



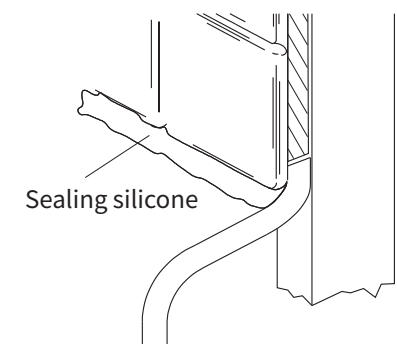
6. Install water-resistant wallboard over the framing. Apply sealing silicone along the seam.



7. install the finished wall and deck material to within 1/16" (2mm of the bath rim).



8. Apply sealing silicone around the tub along the finished walls and deck.



## Maintainance

1. Avoid to use coarse cloth, steel wire ball, hundred clean cloth and other hard substances to wipe the bathtub.
2. Avoid to use wear-resistant & high alkaline cleaning products or acid strong alkaline detergent.
3. Use a neutral liquid detergent (such as dish detergent, glass water, etc.) or a soft fabric and sponge.
4. The acrylic bathtub itself has the characteristics of antibacterial and easy cleaning, so it is generally recommended to clean twice a month, which not only can effectively reduce the breeding of bacteria but also let the surface of the bathtub maintain the better cleanliness.
5. If you encounter trouble when cleaning the bathtub, soak it in vinegar with a rag for 20 minutes, then cover the cloth with the stain and let it sit for one night. Then clean the place with soda powder and vinegar the next day, and the stain will be clean.
6. If the acrylic bathtub needs to repair a slight scratch, you can use a cleaning cloth dipped in the tooth green to grind the scratches, then wash with clean water, and finally blow dry with a hair dryer.

## After-sales and guarantee

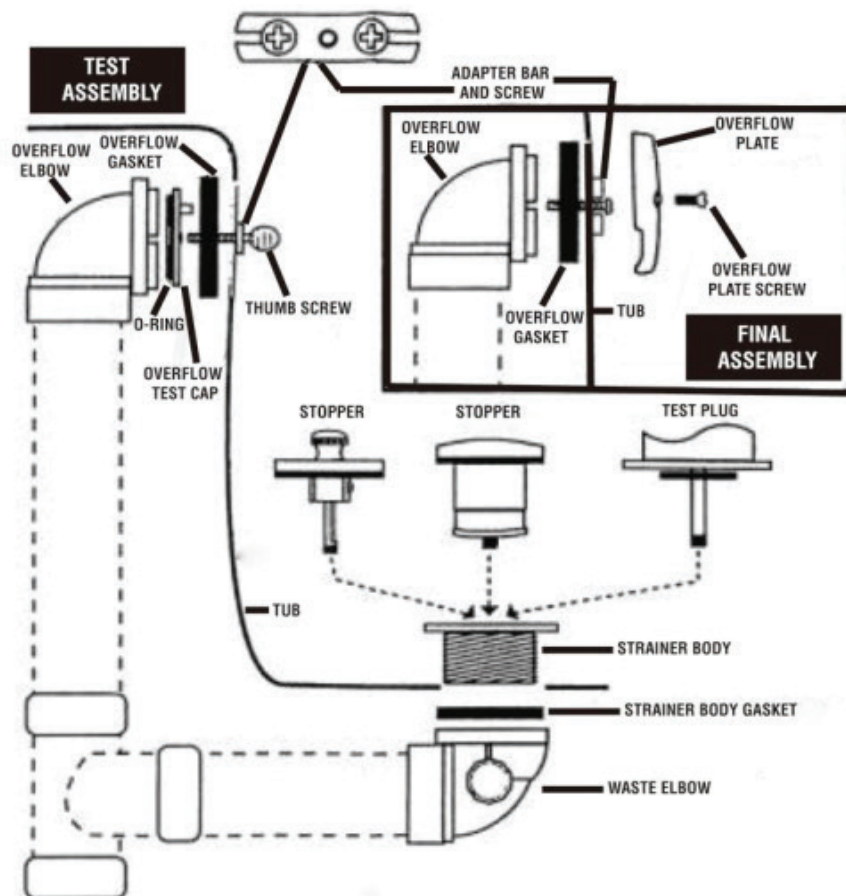
### Free maintenance policy

1. During the warranty period, if the user correctly follows the instructions of the installation manual and uses the products of the company, the company will repair the faulty products free of charge.
2. If the damage occurs within the warranty period and needs to be repaired free of charge, please entrust the installation company with this warranty and purchase invoice.
3. During the warranty period, the maintenance of the occasions listed below is not within the scope of free maintenance.
  - Faults and damages caused by improper use or unauthorized repair and modification.
  - Faults and damages caused by inattention or negligence during installation and construction.
  - Faults and damages caused by using this product outside the scope of use.
  - Damage caused by sand or dirt.
  - Dirty, rusted plating parts, etc. caused by improper daily maintenance
  - Failure and damage due to fire, earthquake, flood, lightning strike, and other natural disasters, public hazards, gas hazards (liquefied gas), salt damage, abnormal voltage, and use of an unspecified power supply.
  - Occasions not specified in this warranty.
  - When the user's name, installation company, and purchase date are not filled in this warranty. When the purchase receipt cannot be presented.
4. This warranty will not be replaced if it is lost, please keep it properly.



1. Pre-fit all pieces before final assembly to ensure dimensions are correct.
2. Cut pipe to correct lengths if needed.
3. Attach overflow gasket to overflow elbow.
4. Insert overflow test cap with o-ring into overflow elbow.
5. Place overflow elbow into overflow opening in your tub.
6. Attach overflow elbow to tub by screwing adapter bar to overflow elbow using retainer plate screws and thumb screw
7. Position waste elbow under the drain, be sure strainer body gasket is positioned.
8. Apply plumbers putty under flange of strainer body and screw it down into waste elbow.
9. You can use pliers to go through crossbars inside.
10. Install test plug in strainer body.
11. Using PVC cement, glue all PVC tubular items together.
12. Test for leaks.
13. Remove overflow test cap by removing thumb screw.
14. Remove test plug from strainer body.
15. Place stopper in strainer body and install overflow plate.

*\* Caution: Do not use oil based putty with plastic parts.*



# **Color All The Way Through Solid Surface Shower Wall Kits and Panels**

**SAFETY GUIDELINES**

**PRODUCT WARNINGS**

**GENERAL INFORMATION**

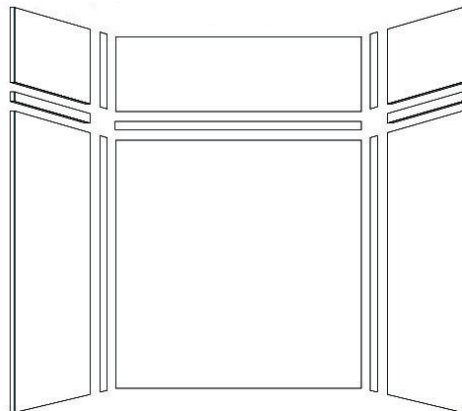
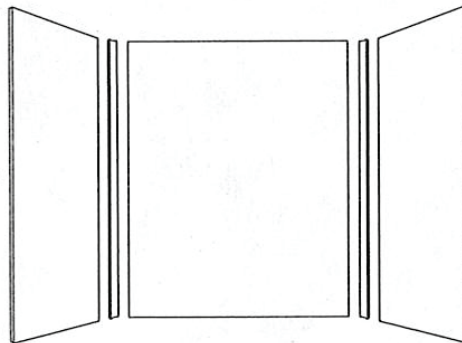
**REQUIRED TOOLS**

**KIT CONTENTS**

**PREPARATION TIPS**

**INSTALLATION PROCEDURE**

**CLEANING & MAINTENANCE**



**READ AND UNDERSTAND BEFORE INSTALLING**

## Safety Guidelines

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### 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 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 these 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

The panels mount to walls with 100% clear silicone sealant only. We recommend 100% clear silicone sealant to mount this product. Never use hammers, nails, or screws. Hammers, nails and screws could adversely affect the integrity of this product. Nails and screws could puncture the Wall Systems and Panels, resulting in water or other damage to floors, pipes, walls or other portions of your building or home.

#### Inspect Before Cutting

Make sure no electrical wiring or plumbing is present before cutting into a wall to install any accessories.

#### Wall Conditions

Inspect the walls before installing the panels. Never install panels over damp walls or an existing mold condition.

#### Use Proper Installation Methods

Follow all instructions related to wall surface preparation. Failure to follow such instructions could cause the panels to detach from the wall surface after installation, resulting in personal injury. Failure to follow these instructions could result in water damage.

### WARNING

#### Lifting Hazard

According to the National Institute of 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 carton weighing more than 51 lbs. The box containing wall kit can weigh in excess of 280 pounds. Use the 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!

#### Room Temperature

Allow panels to adjust to room temperature for at least six hours before installation, and consult the 100% silicone sealant manufacturer's instructions for storage and surface preparation. The panels should be installed at temperatures not less than 65°F. Panels should not be installed in areas where the temperature may drop below freezing (32°F). Failure to follow this recommendation could adversely affect the silicone sealants which holds the panels to the wall. If the panels are not correctly adhered to the walls, they may fall off, causing possible injury to someone in or around the shower enclosure.

#### 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.

#### Grab Bars

We recommend that shower compartments be equipped with support grab bars that comply with the most recent edition of ANSI-A117.1 requirements. Grab bars must be anchored to structural support (wall studs) behind the panels. Do not rely on the panels only for grab bar support.

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

#### Sharp Edge Hazard

After cutting the edge of a panel, it can be sharp. Wear protective gloves to prevent personal injury.

#### 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.

#### Fire Hazard

Personal injury or death can result from a fire caused by flammable liquids or silicone sealants. 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.

#### Solvent Hazard

Follow all manufacturer's safety instructions for silicone sealants and denatured alcohol. Alcohol vapors are both flammable and hazardous to breathe. Silicone vapors may irritate eyes and nose. Personal injury can result from improper 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 sealants, 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. To keep the area well-ventilated, open windows and use exhaust fans. If adequate ventilation is not achievable or practical, use respiratory protective equipment.

#### Dust Hazard

When cutting or drilling this product, 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, drilling, or sanding these products.

#### 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 interrupter (GFI).

## Safety Guidelines

### 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 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.

## General Information

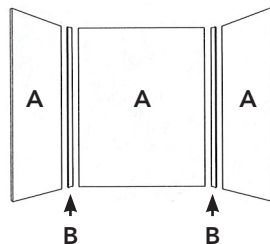
### Required Tools

- 100% clear silicone sealant
- Color-matched, mildew-resistant silicone adhesive (*T100 clear and T200 color-matched, mildew resistant 100% silicone adhesives available for purchase. Must be purchased separately.*)
- Circular saw with 60 to 80 tooth carbide blade
- Saber saw (straight up and down travel) with bi-metal blade (14 teeth per inch)
- Drill with 3/8" drill bit
- Hole saw for shower faucet/shower head
- Tape measure
- Masking tape (2" wide works best)
- Level
- Compass or dividers (scribe the panel to the wall)
- Caulking gun
- Clean paper towels or shop towels
- 2 x 4 lumber, as required for bracing (see Bracing Instructions)
- Denatured alcohol

### Kit Contents

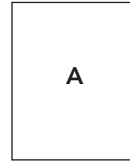
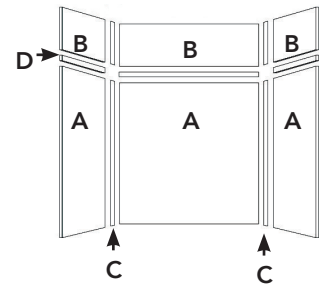
Confirm that all parts of this kit have been included before beginning installations.

- A. 3 flat wall panels  
(2 end walls, back wall)
- B. 2 inside corner trim pieces



## General Information

- A. 3 flat wall panels  
(2 end walls, back wall)
- B. 3 flat wall extension panels  
(2 end walls, back wall)
- C. 4 inside corner trim pieces
- D. 2 seam joint trim pieces  
(cut to size on site)



- A. 1 flat wall panel  
(trimmable)

For best results, use 100% clear silicone sealant for bonding this product to a properly constructed and prepared sub wall. You will need one tube of 100% clear silicone sealant (tube sized to fit a standard caulking gun) for every 1440 square inches or 10 square feet, or 4 to 10 tubes for an average shower. Follow the application recommendation located in the Panel Installation of this manual.

### Unpackaging

- Use care when opening the box so that you do not damage the panels.
- 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. After inspection and during installation, protect the products from construction damage by moving them to another room or area until ready to install.
- Store panels in a flat area to avoid warpage until the time of installation. Do not store the panels outside of the original packaging in a vertical position.
- Please use the model number located on the side of the box or the front of this manual when contacting us with questions concerning the installation of this unit.
- Make sure the walls are the correct size and are in good condition. Installation of damaged product will void the warranty.

### Helpful Hints

- Read these instructions carefully and 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 construction is correctly sized, plumb, and square.
- Save the large cardboard box for protection of the shower floor during the installation process and to use as a template for cutting the back shower wall panel.
- Allow sufficient time for the parts in this kit to adjust to room temperature. We do not recommend installation of these products at temperatures below 65 degrees.
- Sawhorses with 2 x 4 cross-members or a worktable are helpful during the installation process.
- Always transport the panels vertically. Use care when laying the panels flat to prevent flexing, especially when panels have a cut-out in them.
- Store unused materials away from the work area to prevent accidental damage.
- If the shower is placed above the garage or on an outside wall, care must be taken to ensure the shower is properly insulated from cold temperatures

### Preparation Tips

- Measure the width of the back wall (with green board) installed. This measurement cannot exceed the width of the back panel. If the wall opening is too large, other methods or two panels will be required to cover the wall.
- Turn off the hot and cold water supply.
- Remove the faucet handles, escutcheons, filler spouts, and/or anything mounted to the wall (i.e. towel bars, soap dishes, etc.).
- Always measure the location of the plumbing cut-outs from the back wall forward and from the ledge of the shower base upward.
- Ensure all plumbing or electrical work inside the walls is finished prior to installation of the wall panels.
- Prepare the area with 1/2" (13mm) moisture-resistant drywall, marine grade plywood, or concrete board. Never install products directly on any surface that is, or may become, wet or damp.
- Trial fit the side panels before you begin. Panels have a finished side and a non-finished backer side. The panel should be placed with the non-finished side against the sub-wall.
- Walls must be solid, plumb, and square with 1/8" of true. Shim or trim the opening, as required. This kit has been designed with some adjustability for minor alignment problems.
- The mounting surface must be free of dirt, film, waxes, or any other residues.
- If you are installing a recessed accessory, cut the hole after the panel is installed and fully supported by the wall. Remember to position the accessory between the wall studs.

### Caulking Tips

- Follow the instructions on the silicone sealant tube.
- When job is complete, inspect all caulked areas for gaps and fill as needed.
- Clean up any excess silicone that was missed using denatured alcohol and a clean cloth.
- Be very careful not to disturb caulk joints.

### Installation Procedure

Wall panels can be installed over a variety of products. If you intend to apply the panels to any surface other than those described, consult with a professional contractor. Use the following sections when installing this product over:

- Sheetrock, Greenboard, Cement Board, Wood
- Plaster
- Cement/Concrete
- Old Tile
- Wallpaper
- Masonite

#### Sheetrock, Greenboard, Cement Board, or Wood

- Surface must be dry, smooth, and free of any dust, soap scum, or other contaminants.
- To ensure proper adhesion of the product, the wall surface must be sealed with a water or oil-based primer/sealer.
- After the primer/sealer is completely dry, complete the installation following the instructions in this manual.

#### Plaster

- Depending on the condition of the existing wall surface, additional silicone may be required to ensure contact between the substrate and the wall panel.
- Sand textured or swirled finishes smooth.
- Clean the wall surface with a damp cloth to remove any dust, soap scum, or any other contaminants. The wall surface must be dry and smooth.
- To ensure proper adhesion of the product, the wall surface must be sealed with a water or oil-based primer/sealer.
- After the primer/sealer is completely dry, complete the installation following the instructions in this manual.

#### Cement/Concrete

- Depending on the condition (flatness) of the existing wall surface, additional silicone may be required to ensure contact between the substrate and the wall panel.
- To ensure proper adhesion of the product, the complete area must be sealed with two coats of water or oil-based primer/sealer.
- After the primer/sealer is completely dry, complete the installation following the instructions in this manual.

#### Old Tile

Depending on the condition of the existing wall surface, additional silicone may be required to ensure contact between the substrate and the wall panel.



## Installation Procedure

### IMPORTANT NOTICE

- Old ceramic tiles, if solidly adhered, do not need to be removed. All plastic tiles must be removed.
- Remove or reattach any loose ceramic tiles. Old tiles and front edge ceramic tiles should be reset for appearance only.
- Remove any tile accessories attached to the walls.
- Remove the bottom row of tile and cut a ventilation gap in the substrate.
- Surface must be dry, smooth, and free of any dust, soap scum, or any other contaminants.
- Complete the installation following the instructions in this manual.

**Note:** If using a trim kit, old tiles may need to be removed to allow a proper fit.

### Wallpaper

- All wallpaper must be removed from the area being covered. Clean the wall surface to remove any dust, soap scum, or other contaminants. The wall surface must be dry and smooth.
- To ensure proper adhesion of the product, the complete wall surface must be sealed with two coats of water or oil-based primer/sealer.
- After the primer/sealer is completely dry, complete the installation following the instructions in this manual.

### Masonite

- Clean the wall surface to remove any dust, soap scum, or any other contaminants. The wall surface must be dry and smooth.
- To ensure proper adhesion of the product, the wall surface must be sealed with a water or oil-based primer/sealer.
- After the primer/sealer is completely dry, complete the installation following the instructions in this manual.

Followed carefully, these installation instructions will result in an easy, trouble-free installation of your product. Any deviations, additions, and/or deletions from the prescribed installation, without prior written approval, will void the warranty covering this product.

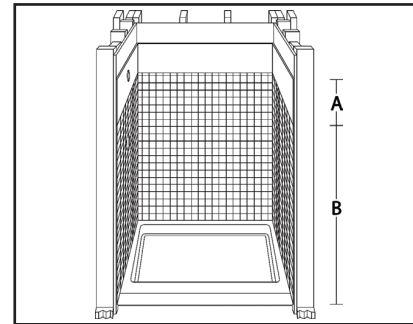
### Disclaimer

- The information contained in this Installation Manual 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. We assume 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 instructions for the installation of the product in a step-by-step sequence that will work in most types of installations. If you have an installation application that is not covered in this manual, please call your local distributor or contact us 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.

### Filler Boards

If an existing wall covering (i.e. tile) does not extend to a height equal to the height of the panel, it will be necessary to install a filler board to that height. The filler board must be equal to the thickness of the existing wall covering (tile). Usually, 1/4" masonite or similar material is adequate. If desired, the filler board can extend from the top edge to the ceiling.

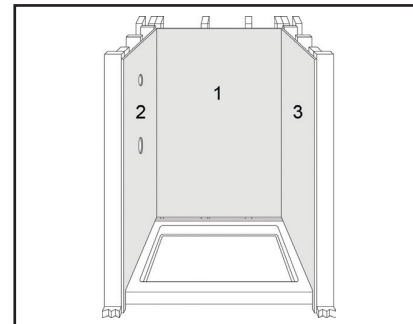


**Note:** Failure to use a filler board to properly install the panels could result in water damage to floors, walls, or other portions of your building or home.

### Wallboard Installation

**Note:** If the wall panels will be installed over an existing shower wall surface, proceed to the next section.

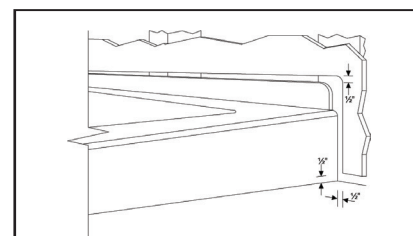
1. Install 1/2" moisture-resistant cement board or greenboard over (1) back, (2) left hand side, (3) right hand side wall surfaces of the rough opening.
2. Measure and cut openings for the shower faucet(s) and shower head before installation.
3. Install the wall board with a 1/2" gap above the shower base side lip to prevent possible water (wicking affect) damage.



### IMPORTANT NOTICE

For a finished appearance, install greenboard up to the front edge of the shower base.

In addition, if baseboard trim (not included) will later be installed along the floor next to the shower base, a 1/2" gap between the floor and bottom of the greenboard is recommended (see illustration below).



## Installation Procedure

### Wallboard Installation *continued*

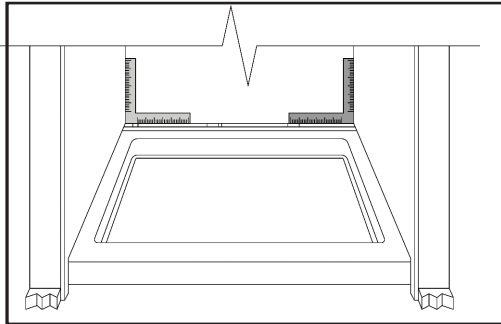
4. Apply a coat of water or oil-based primer/sealer to all the surfaces of the cement board or greenboard (follow the manufacturer's instructions). Allow the primer to dry thoroughly before installing the panels.

### Wall Panel Installation

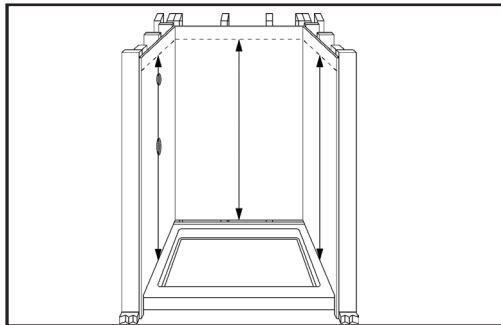
#### Back Panel

If the back wall measures less than the width of the panel, cut the panel to fit the opening.

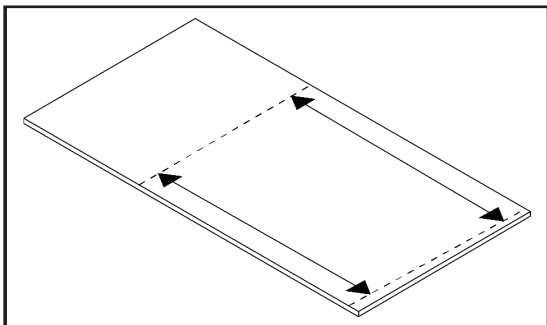
1. Using a builder's square, make sure the shower base is perpendicular to the side walls. If the walls are out of square, the bottom of all the panels may need to be cut to follow the contour of the shower base.



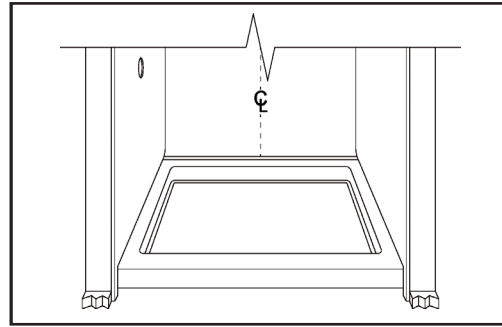
2. If the shower base is not perpendicular to the wall, use a level and draw a line around the alcove on all three walls. Measure the distance from the line to the top of the shower base.



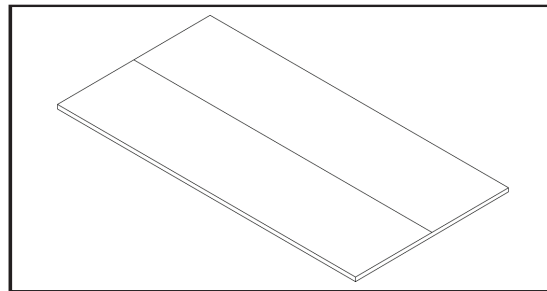
3. Transfer these measurements to both side panels and the back panel. Cut the bottom of the panels.



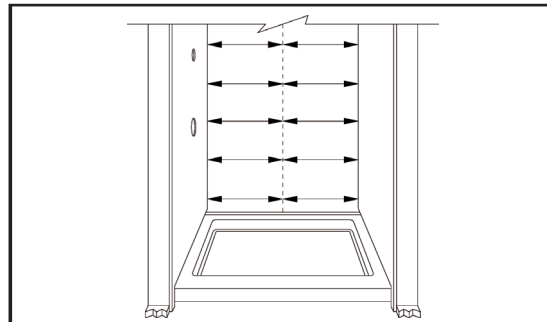
4. If the back panel must be cut (side-to-side) to fit the opening, find and mark the center of the back wall in the alcove opening. Use a level to draw a line from the shower base to a point above the height of the wall panel.



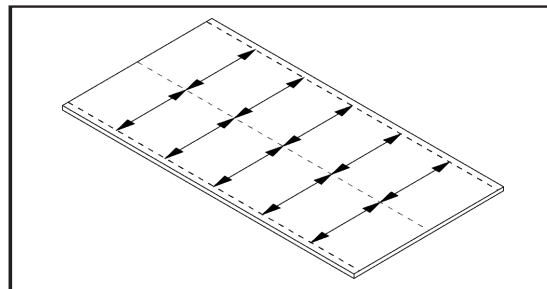
5. Place the panel, finished side facing up, on a flat surface. Using a pencil, lightly mark the center of the back panel.



6. Take several measurements, bottom-to-top, from the center line to each wall surface. These measurements will ensure the back panel fits the exact contour of the two.



7. Transfer the measurements onto the front surface of the back panel.



**Note:** The back panel can be cut **slightly** smaller than the opening because the side panels will cover any small gap (less than 1/4 inch).

Cutting the side panel to precisely fit the back is not necessary if a corner molding, supplied in wall kit, is used. This corner molding will cover gaps up to 1/2".

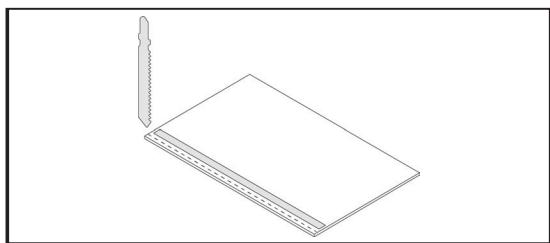
### WARNING

#### Dust Hazard

When cutting or drilling the product, use a dust collection method which prevents dust particles from going into the air. Always work in a well ventilated area. To keep the area well ventilated, open windows and use exhaust fans. Always use an OSHA approved dust mask when cutting, drilling, or sanding products.

8. Place pieces of masking tape over the area where the saw contacts the finished surface of the panel.

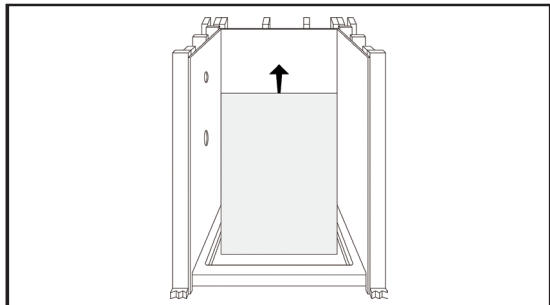
9. Cut the panel using a circular saw with a 60-80 tooth carbide blade or a saber saw with bi-metal blade (14 teeth per inch).



### IMPORTANT NOTICE

Any cut out for accessories should have rounded corners (sharp corners can promote stress cracks).

10. Dry fit the back panel, and make any necessary adjustments. Temporarily secure the back panel to the wall in order to properly fit the front and rear panels.



### IMPORTANT NOTICE

DO NOT force a panel to fit a bowed or curved wall as it may break; furthermore, the resiliency of the panel can break the silicone bond to the wall surface.

### Side Panel (with shower controls)

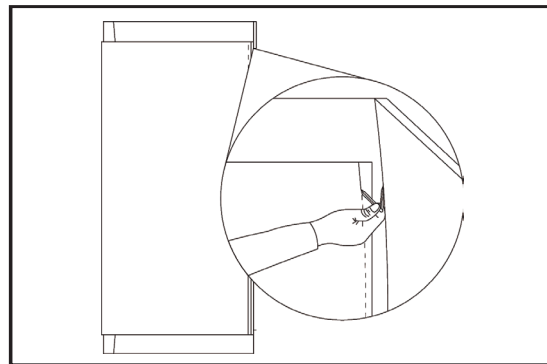
If the side panels do not require cutting to size, proceed to Step 5.

**Note:** Cutting the side panel to precisely fit the back is not necessary if a corner molding, supplied in wall kit, is used. This corner molding will cover gaps up to 1/2".

1. Place the panel on top of the shower base and slide it against the back wall panel. If the side panel has only one finished edge, make sure that the finished edge is facing out.

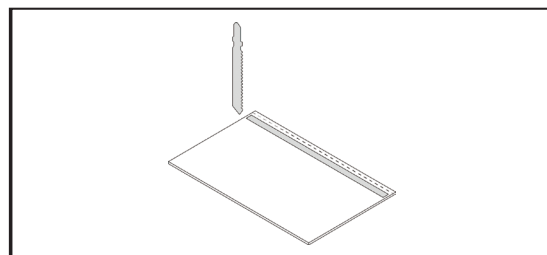
2. Scribe (mark) the panel, as shown. If the panel is wider than the wall, take this width into consideration when scribing the panel.

**Note:** Precisely scribing and cutting the panel will provide a clean 90 degree corner with no need for corner molding.

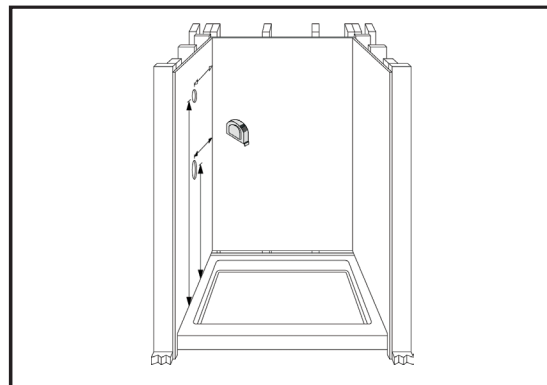


3. Place the panel, finished side facing up, on a flat surface. Place pieces of masking tape over the area where the saw contacts the panel.

4. Cut the panel using a circular saw with a 60-80 tooth carbide blade or a saber saw with bi-metal blade (14 teeth per inch).



5. Measure the openings for the shower controls and shower head.

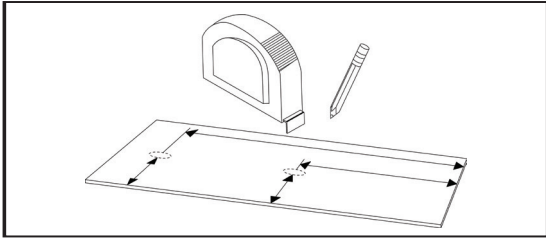




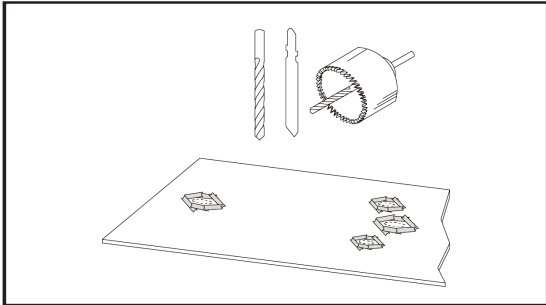
## Installation Procedure

### Side Panel (with shower controls) *continued*

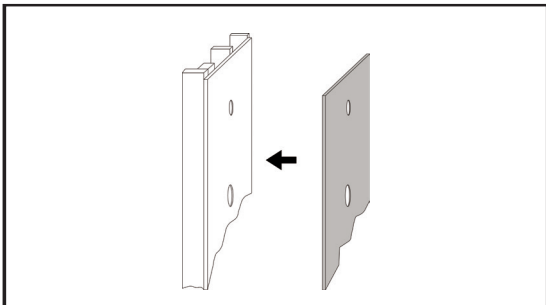
6. Place the panel, finished side facing up, on a flat surface. Transfer the measurements to the panel.



7. Cut clearance holes using a router, saber saw, or hole saw. Drill or cut from the finished side of the panel. For best results, when drilling, place a scrap of wood beneath the hole to ensure a clean cut.



8. Dry fit the panel, and make any necessary adjustments.



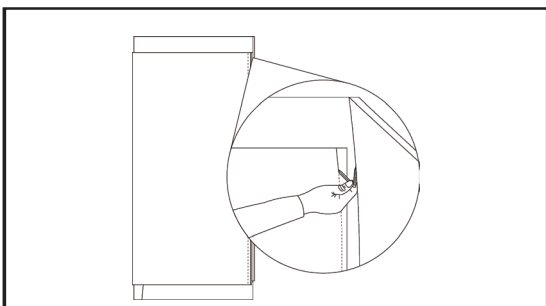
### Side Panel (without shower controls)

If the panel does not require cutting to size, proceed to the next section.

1. Place the panel on top of the shower base and slide it against the back wall panel. If the side panel has only one finished edge, make sure that the finished edge is facing out.

2. Scribe (mark) the panel, as shown. If the panel is wider than the wall, take this width into consideration when scribing the panel.

**Note:** Precisely scribing and cutting the panel will provide a clean 90 degree corner with no need for corner molding.



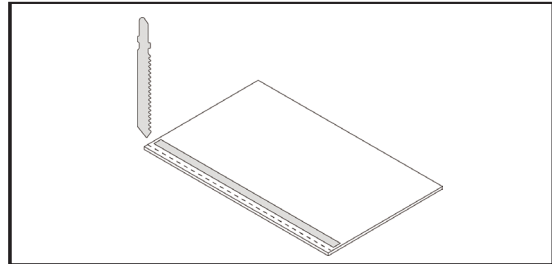
3. Place the panel, finished side facing up, on a flat surface. Place pieces of masking tape over the area where the saw contacts the panel.

## WARNING

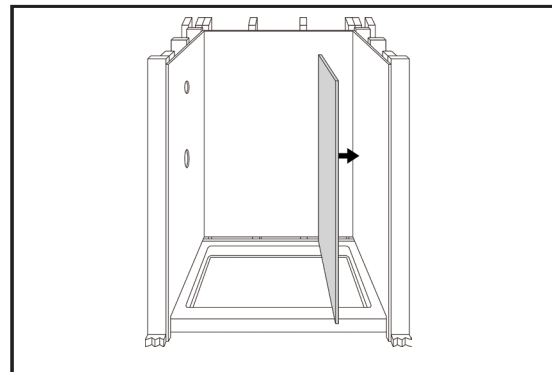
### Dust Hazard

When cutting or drilling the product, use a dust collection method which prevents dust particles from going into the air. Always work in a well ventilated area. To keep the area well ventilated, open windows and use exhaust fans. Always use an OSHA approved dust mask when cutting, drilling, or sanding products.

4. Cut the panel using a circular saw with a 60-80 tooth carbide blade or a saber saw with bi-metal blade (14 teeth per inch).



5. Dry fit the panel, and make any necessary adjustments.



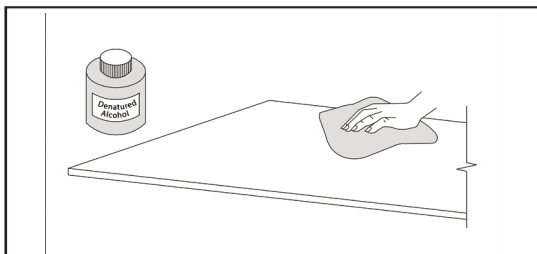
### Panel Installation

#### WARNING

##### 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. To keep the area well-ventilated, open windows and use exhaust fans. If adequate ventilation is not achievable or practical, use respiratory protective equipment.

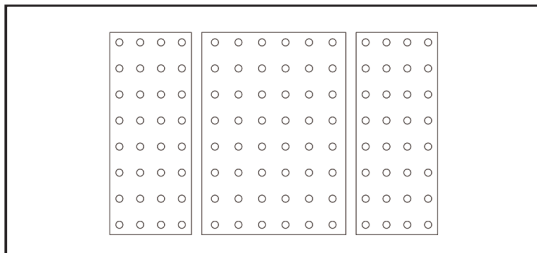
1. Clean the backs of each panel with denatured alcohol or another non oil-based cleaning solvent.



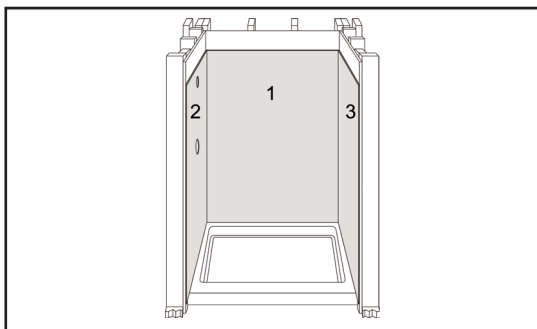
#### IMPORTANT NOTICE

Do not use oil-based cleaners, such as mineral spirits, to clean the panels. The oil in the cleaner will prevent the panel from adhering properly to the wall.

2. Apply the silicone in 1-1/4" diameter dots every 8 to 10 inches apart over the surface of the unfinished side of the panel. Follow the silicone manufacturer's instructions and note all ventilation and installation precautions.



3. Install back panel (1) first. Then, install left-hand panel (2). Finally, install right-hand panel (3).



4. Firmly press the surface of each panel against the wall. It is important to apply hand pressure to the entire surface of the panel to bond it to the wall surface.

### Temporary Bracing

Install temporary bracing to hold the three panels in place until the silicone is completely set (usually 24 hours). This will allow proper curing of the silicone.

#### IMPORTANT NOTICE

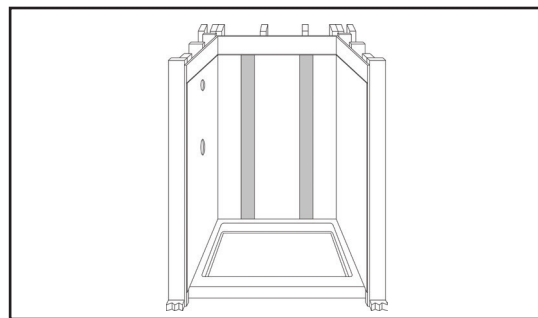
To ensure contact between the panels and walls until the silicone sets, install temporary bracing after completing installation. The bracing should be constructed from lengths of 2x4's. Failure to brace in the manner described could keep the panels from adhering, resulting in personal injury, as well as water damage or other damage to floors, walls, or other portions of your building or home.

#### IMPORTANT NOTICE

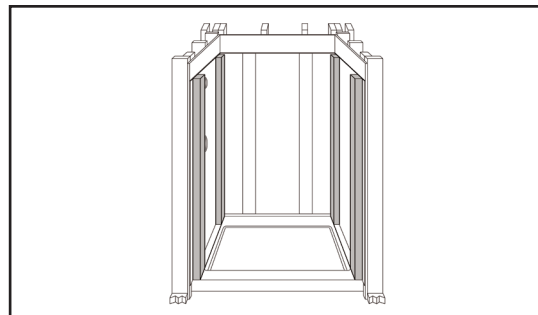
To prevent scratches or other damage, make sure there are no nails or other foreign objects in the surface of the bracing that is placed against the wall panel.

If the horizontal braces are fastened to the vertical braces using nails or screws, make sure the fasteners do not penetrate the surface of the panel. Also to prevent possible damage to the walls, do not apply excessive pressure to the braces.

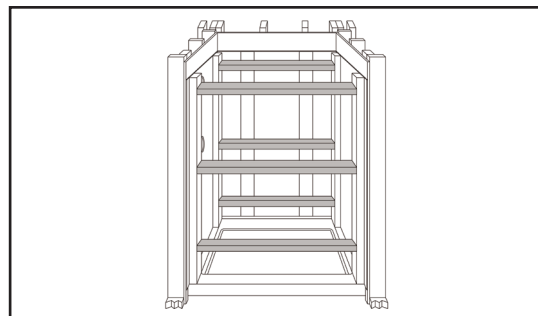
1. Place two or three braces against the back wall. Place two braces on panels that are 48" or less and three braces on panels greater than 48" wide.



2. Place two braces against each left and right wall.



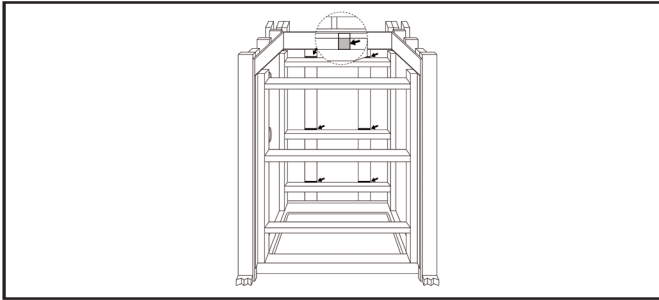
3. Install (wedge) three horizontal braces (six total) against the left and right wall braces.



## Installation Procedure

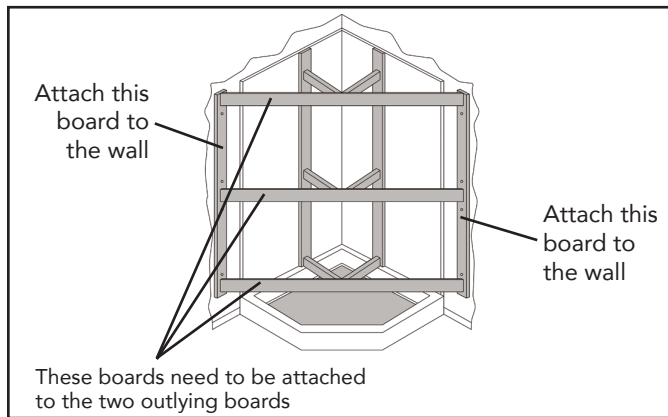
### Temporary Bracing *continued*

4. Insert small blocks between the front-to-rear panel braces and the back panel braces. These will apply pressure to the back panel to hold it in place.



For corner shower wall installation use the following illustrated bracing design.

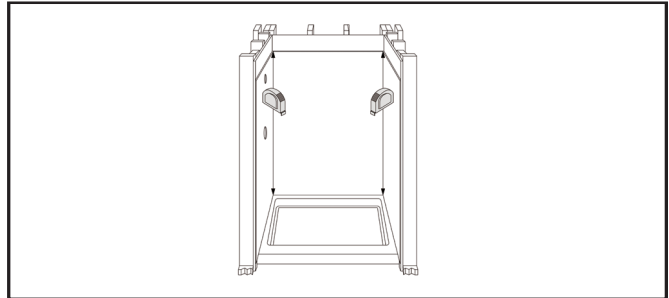
**ATTENTION:** Additional bracing may be required if the panel does not make full contact to the wall it is adhered to.



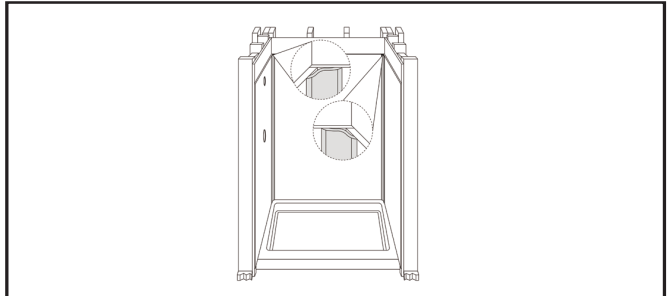
5. Remove the braces after 24 hours.

### Corner Molding

1. Measure and cut the corner moldings to length.



2. Dry fit the corner molding.

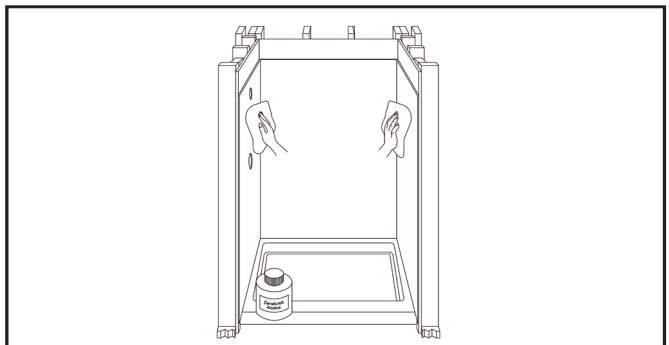


## WARNING

### 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. To keep the area well-ventilated, open windows and use exhaust fans. If adequate ventilation is not achievable or practical, use respiratory protective equipment.

3. Clean the surface of the panels and the back of the molding with denatured alcohol or another non-oil based solvent.

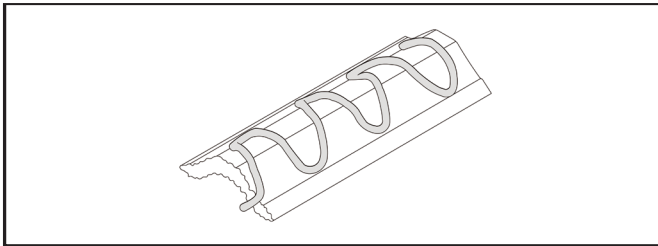


## IMPORTANT NOTICE

Do not use oil-based cleaners, such as mineral spirits, to clean the panels. The oil in the cleaner will prevent the panel from adhering properly to the wall.

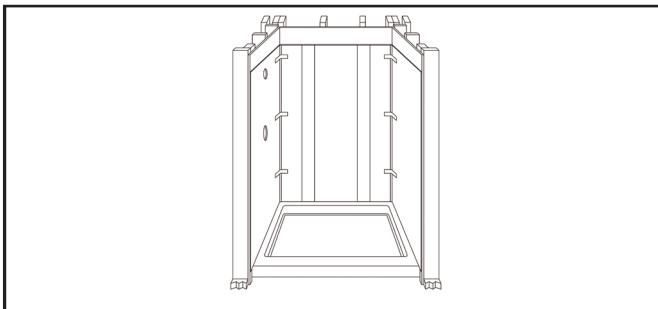
## Installation Procedure

4. Apply an 1/8" to 1/4" bead of silicone to the back of the corner molding in an S pattern, as shown.



5. Press the corner moldings into place. Remove any excess silicone.

6. Place at least three pieces of masking tape on each corner molding to hold it in place until the silicone adheres to the wall panel.



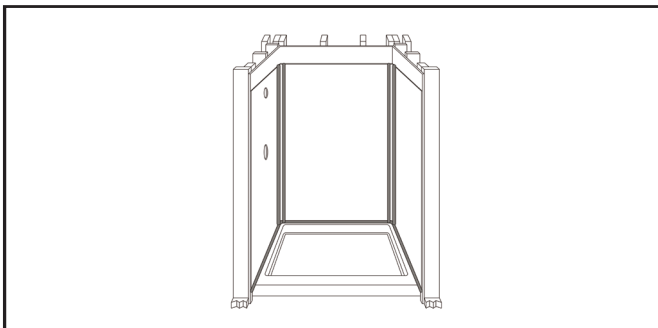
### Final Caulking

Apply a bead of 100% silicone sealant.

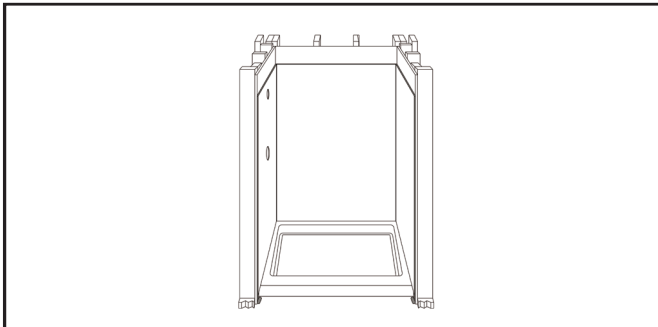
### IMPORTANT NOTICE

Follow the manufacturer's instructions on the tube for proper application. Allow at least 24 hours for silicone to set before using the shower enclosure.

1. Apply 100% silicone sealant to all inside seams, as shown.



2. Apply 100% silicone sealant to the exterior edges, as shown. This silicone sealant is non-paintable.



## Attaching Showers Doors and Accessories

1. Follow the mounting instructions that come with shower door and each accessory.
2. Drill pilot holes slightly larger than the fasteners, where fasteners pass through the wall panels.
3. If anchors are being used, drill the hole in the panel large enough for the head of the anchor to fit through the panel and the structural wall behind it.
4. Use 100% clear silicone to seal any holes or joints between the accessory and the wall panel.

## Care and Cleaning

Products are stain and abrasion 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 solid surface acrylic. **DO NOT** use a cleaner if the label indicates it should not be used on solid surface acrylics. **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.

### Day-To-Day Clean-up

Simply wipe the surface with a clean towel to remove watermarks and residues. All products can be cleaned with warm water, a soft cloth, and normal household detergents or cleansers, such as Clorox Clean-up, Mr. Clean, Dow Scrubbing Bubbles, Formula 409. Always rinse off cleaners within five minutes of application.

Occasional scrubbing with household abrasive cleaners ensures that the original luster is maintained.

### Caulking Joints

Inspect 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.

The installation is now complete. **DO NOT** discard these installation instructions. Please leave with the homeowner.

## WARRANTY

Solid Surface Shower and Tub Walls, Shower Bases - 10 Years Ltd. Residential / 3 Years Ltd. Commercial

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Samuel Mueller, Div. expressly warrants its products as listed above to be free of defects in material and workmanship, subject to the limitations set forth in this Limited Warranty. Each product will function for the purpose for which it was designed for the time period designated above from the date of purchase to the original buyer, provided it has been installed in accordance with the installation instructions provided by Samuel Mueller, Div., used as recommended, and not damaged due to excessive heat or abuse.

This warranty does not cover replacements and/or corrections caused by misuse, improper maintenance or normal wear and tear, acts of nature, scratches, chips or damage caused by failure of any adhesive, caulk or other accessory, or failure of any caulked or filled joint or seam. This Limited Warranty covers the product for normal interior use in the United States, Mexico and Canada and does not cover the product moved from its original place of installation. Labor charges incurred during any installations are not included under this Limited Warranty.

Samuel Mueller, Div. will, at its option, repair, replace, or refund the purchase price of the product to the original purchaser if a Samuel Mueller, Div. product fails due to a Samuel Mueller, Div. manufacturing defect, which is discovered during the warranted years as listed above after the initial purchase. Replacements and/or corrections are at the sole discretion of the Samuel Mueller, Div. and will be limited in scope to reasonable and equitable remedy.

This Limited Warranty applies to Samuel Mueller, Div. products that are purchased after January 1, 2011 and maintained as described by Samuel Mueller's care and maintenance guide. (If needed, the care and maintenance guide can be found on the Samuel Mueller website at [www.SamuelMueller.com](http://www.SamuelMueller.com).) You may obtain coverage by providing proof of the date of initial purchase. For service under this Limited Warranty, you must notify Samuel Mueller, Div. in writing, providing your name and address, a description of the product involved, the nature of the defect or failure, and proof of purchase and date of purchase. Repair or replacement shall not include any labor charges. This limited warranty is non-transferable.

The address to which warranty problems should be reported is:

Samuel Mueller, Div.  
P.O. Box 30  
Warren, OH 44482-0030

Samuel Mueller will ship (freight collect) to you products repaired or replaced under this Warranty.

### Residential Limited Warranty

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

### Commercial Limited Warranty

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

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, AND Samuel Mueller, Div. EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY SETS FORTH THE PURCHASER'S SOLE REMEDY IN CONNECTION WITH THE SALE OR USE OF PRODUCTS COVERED BY THIS LIMITED WARRANTY AND IN NO EVENT SHALL Samuel Mueller, Div. BE OTHERWISE LIABLE FOR ANY LOSS, DAMAGE OR INJURY OF ANY NATURE ARISING OUT OF THE SALE OR USE OF THE PRODUCTS DELIVERED HEREUNDER, WHETHER FOR NEGLIGENCE, BREACH OF CONTRACT OR UNDER ANY OTHER LEGAL OR EQUITABLE THEORY. Samuel Mueller, Div. SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF SUCH PRODUCTS, INCLUDING BUT NOT LIMITED TO LOST PROFITS, REVENUES, ANTICIPATED SALES, BUSINESS OPPORTUNITIES OR FOR INTERRUPTION OF BUSINESS\*. THIS WARRANTY IS NON-TRANSFERABLE.

\*Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Note: Samuel Mueller warranty does not include items identified as 'wear items' that can be purchased through Samuel Mueller. If you require replacement of a 'wear item', please contact Samuel Mueller.

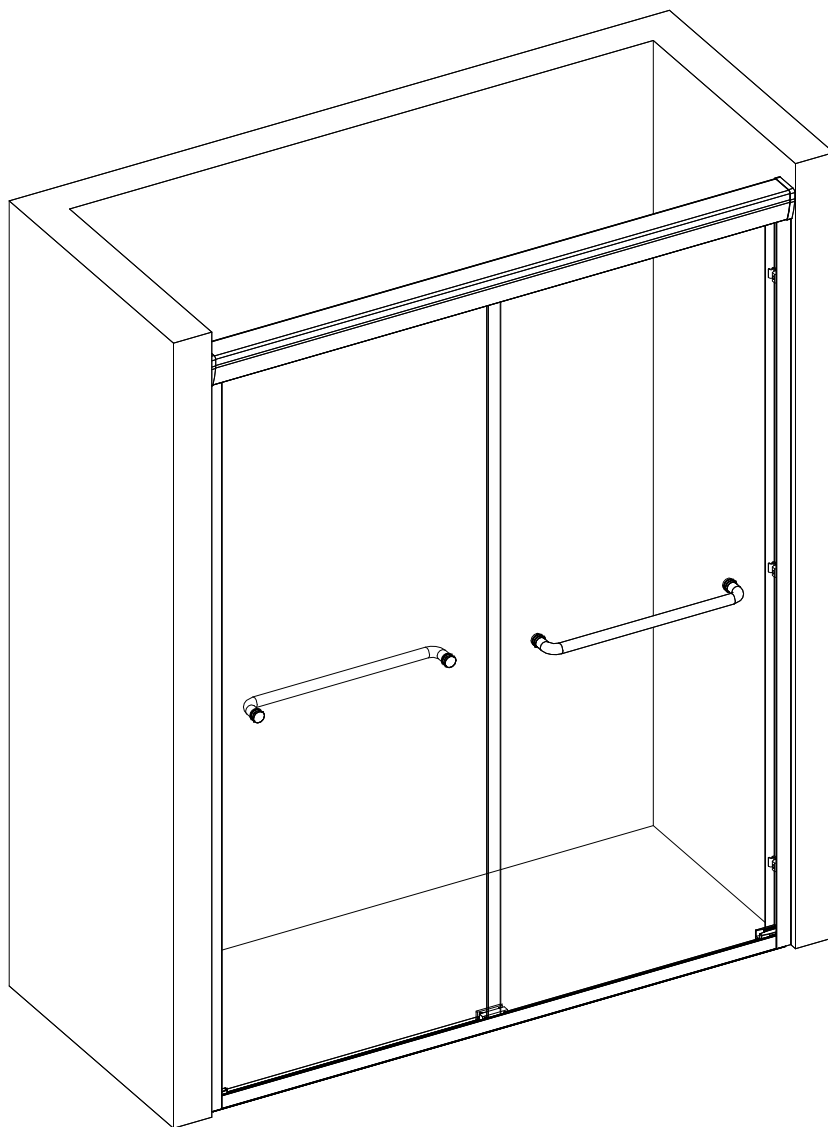
Samuel Mueller, Div.  
P.O. Box 30  
Warren, OH 44482-0030

(844) 974-2400  
Fax (330) 399-4426

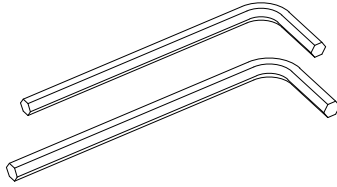
[www.samuelmueller.com](http://www.samuelmueller.com)  
E-mail: [sales@samuelmueller.com](mailto:sales@samuelmueller.com)

# Stratus/Stratford By-pass Shower Door

## INSTALLATION GUIDE

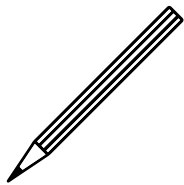


## TOOLS REQUIRED (Supplied )

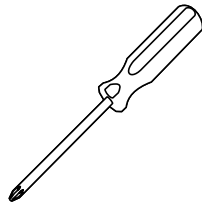


2.5mm&4mm&5mm

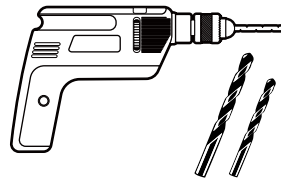
## TOOLS REQUIRED (Not Supplied )



Pencil



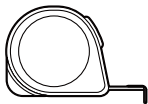
Screwdriver



Drill and drill bits  
 $\varnothing 8/25"$ [8mm]  
 $\varnothing 6/25"$ [6mm]  
 $\varnothing 1/8"$ [3mm]



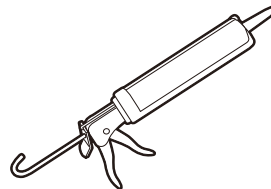
Cutter



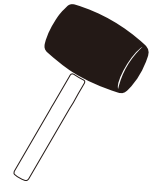
Measuring tape



Level



Silicone



Rubber mallet



Safety gloves



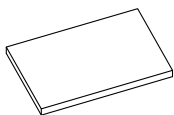
Safety glasses



Hacksaw



Masking tape



Wooden Spacer



Professional-grade  
Glass suction cup



**Wrenches  
(included)**



## SAFETY INFORMATION

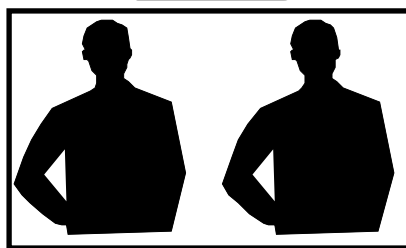
### CAUTION

Please carefully read the following important safety information before handling or installing this shower. There is a risk of serious injury while handling this product. To minimize these risks, please note:

- Always wear safety glasses and gloves while handling.
- Always read and follow all the steps in the installation instructions.
- Inspect all contents and glass for damage before installation.
- Extreme caution should be taken while handling the glass during installation as the tempered glass may shatter if in contact with a hard surface.
- Handle the tempered glass with caution! Improperly handling the glass can cause it to break suddenly in small pieces (never in pointed fragments).
- Always take all precautions not to touch the tempered glass with any tools during the installation, or after installed.
- Do not cut or modify the tempered glass as it will shatter if cut.
- Carefully remove product from packaging and keep packaging until installation is complete.
- Inspect all parts for damage; if there is damage to the unit prior to installation, please contact customer service
- Install the shower on a floor that is level and able to accommodate the weight of the unit and an occupant.
- Consult local building codes and compliance standards prior to installation and ensure conformity.
- After installation, and from time to time, check the glass for fit and finish to ensure that nothing has come loose since installation.
- Keep this installation manual for future reference.

### NOTICE

- Any modification or alteration from what is specified in this instruction manual will void any and all warranty on this product.
- The distributor is not responsible for any damage to the unit or personal property caused by improper installation. If you disregard instructional warnings, you will void your warranty and possibly deal with water damage.
- Consult the distributor's website for any additional information or question on this product's installation.



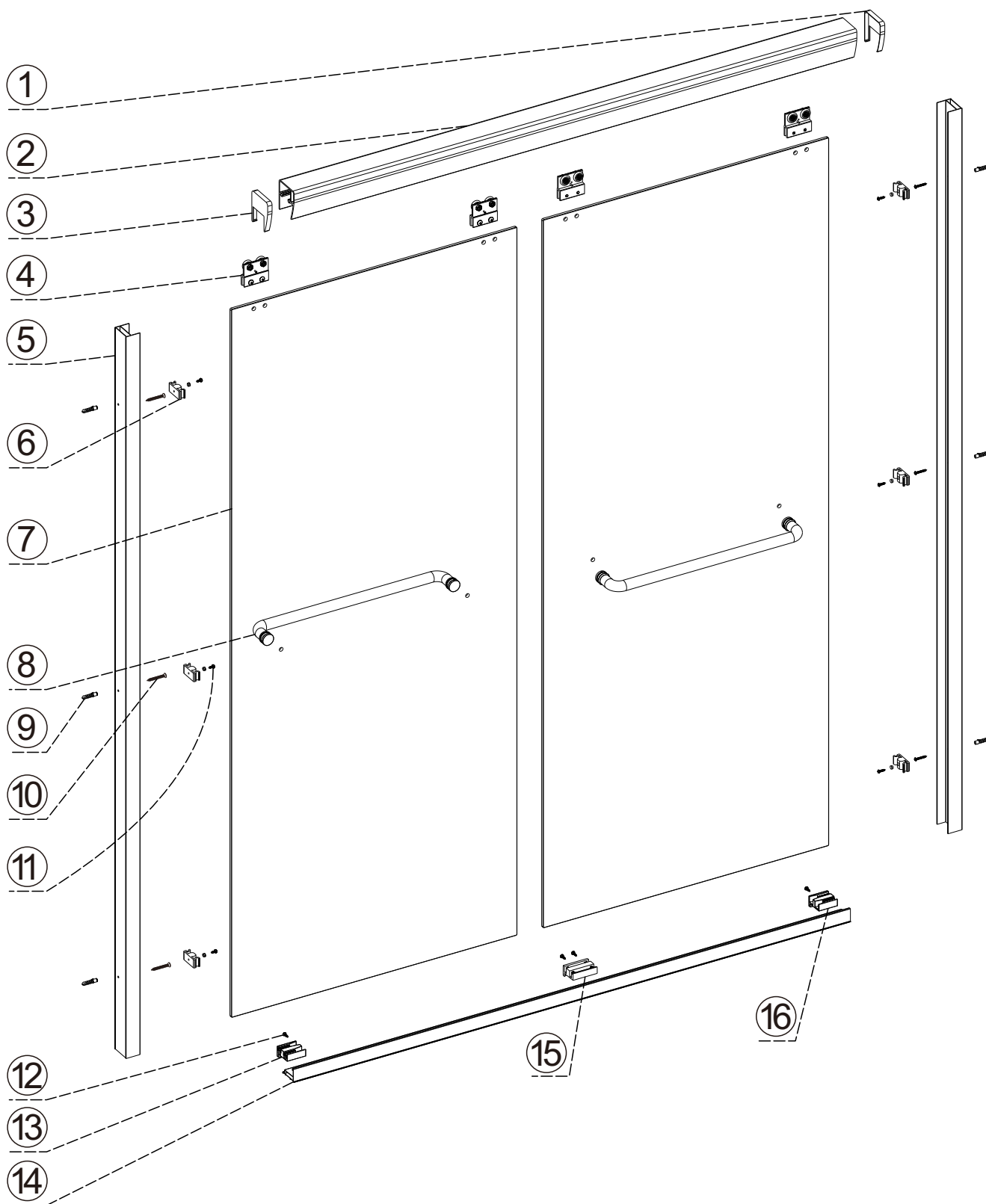
- You will need at least two people to install this unit properly.
- Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents list. If any part is missing or damaged, do not attempt to assemble the product.
- Estimated Assembly Time: 2 hours

## CARE AND MAINTENANCE

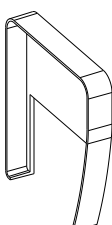
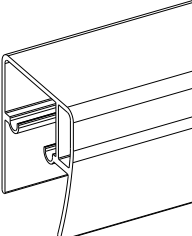
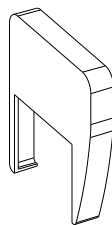
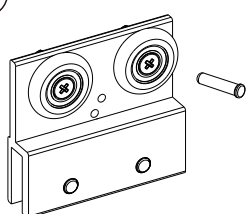
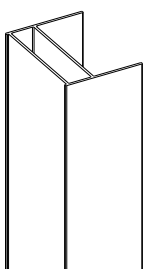
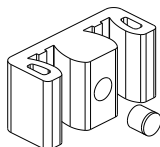
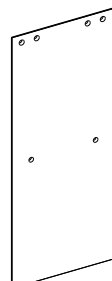
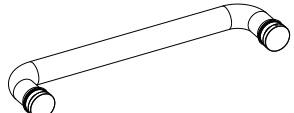
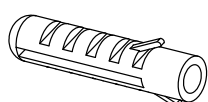



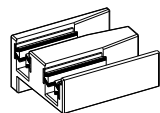
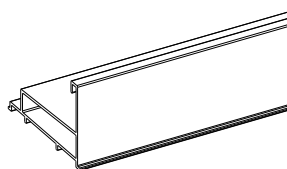
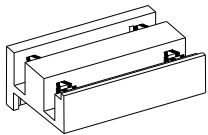
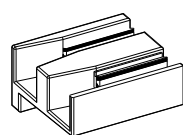
- For the daily maintenance, use a wet cloth and a soft liquid cleaner.
- Never use abrasive cleaners containing some acetone, chlorine or strong bleach, scrapers, metallic brushes, nor other objects or the products which can graze or tarnish surfaces.
- Check every 4 months and re-tighten them if necessary.



# PACKAGE CONTENT



# PACKAGE CONTENT

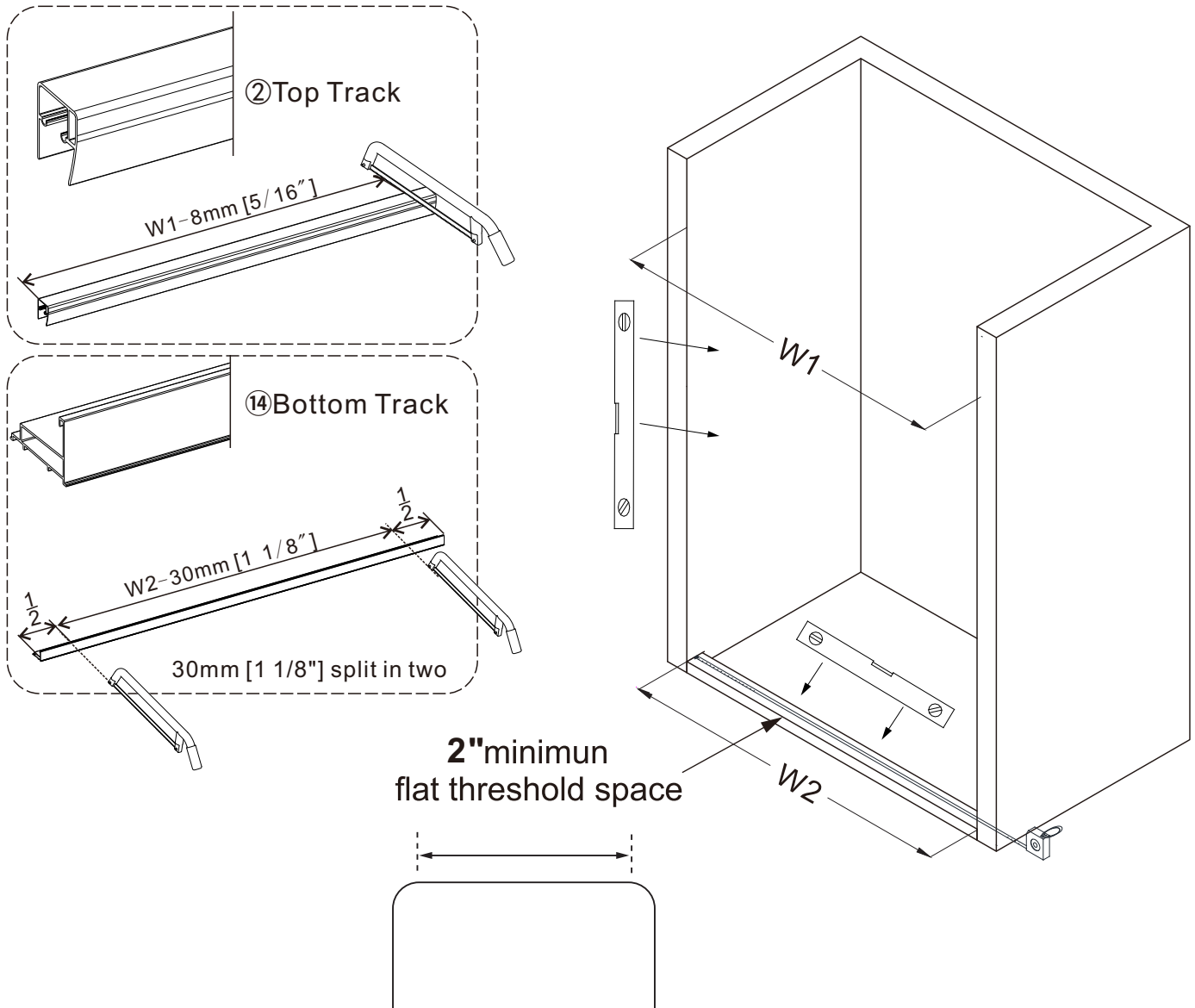
<p>①</p>  <p><b>X1</b></p>	<p>②</p>  <p><b>X1</b></p>	<p>③</p>  <p><b>X1</b></p>	<p>④</p>  <p><b>X4</b></p>
<p>⑤</p>  <p><b>X2</b></p>	<p>⑥</p>  <p><b>X6</b></p>	<p>⑦</p>  <p><b>X2</b></p>	<p>⑧</p>  <p><b>X2</b></p>
<p>⑨</p>  <p><b>X6</b></p>	<p>⑩ ST4X35</p>  <p><b>X6</b></p>	<p>⑪ ST4X16</p>  <p><b>X6</b></p>	<p>⑫ ST4X16</p>  <p><b>X4</b></p>
<p>⑬</p>  <p><b>X1</b></p>	<p>⑭</p>  <p><b>X1</b></p>	<p>⑮</p>  <p><b>X1</b></p>	<p>⑯</p>  <p><b>X1</b></p>

## PART LIST

Part number	Description	Quantity	Code
1	Right Decorative cover	1	
2	Top Track	1	
3	Left Decorative cover	1	
4	Roller	4	
5	Wall profile	2	
6	Bumper blocks	6	
7	Door Panel	2	
8	Handle	2	
9	Wall Anchor	6	
10	ST4x35 Countersunk Screw	6	
11	St4x16 Countersunk Screw	6	
12	St4x16 Countersunk Screw	4	
13	Left guide block	1	
14	Bottom Track	1	
15	Middle guide block	1	
16	Right guide block	1	
XX indicate hardware finish: PC = Polished Chrome; BS = Brushed Stainless; MB = Matte Black; CB = Champagne Bronze			

# INSTALLATION STEPS

1. Measure the finished opening width at the bottom and the model height. Use these dimensions as "**W1**"(**TOP**) and "**W2**"(**bottom**). Compare W1 and W2, use the smaller number as finished opening size. Verify that the model size ordered will fit the finished opening before beginning installation.



## ! WARNING!

This door requires a minimum 2" flat threshold space for installation

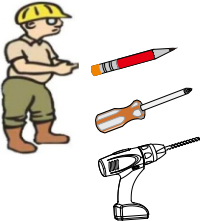
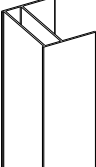
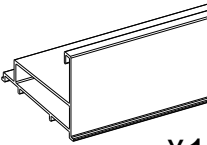

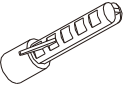
## ! WARNING!

Threshold must be level. The door may not function properly if the threshold is out-of-level.

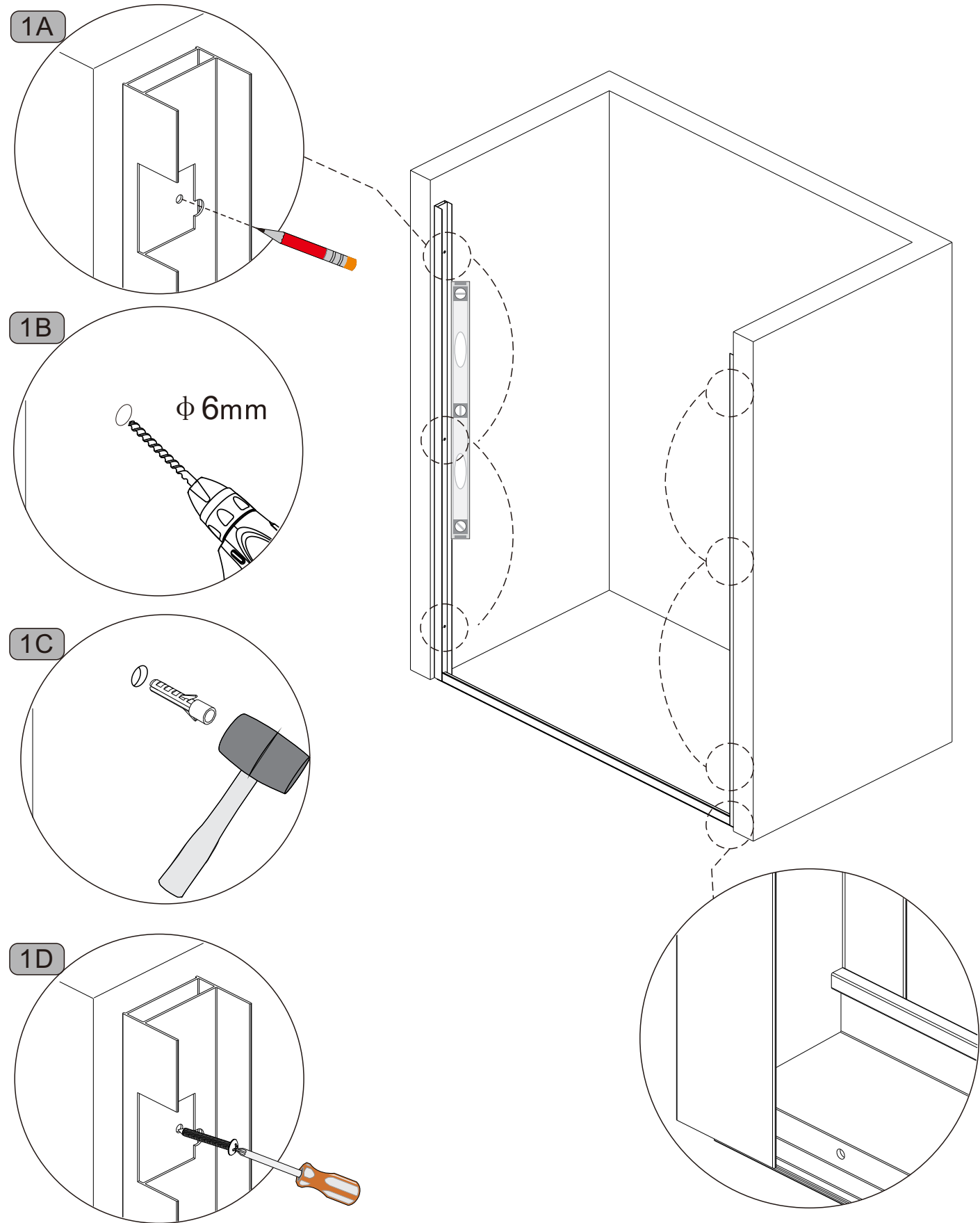
## ! WARNING!

This door has limited out of plumb adjustment. Each wall profile allows up to 1/4" out of plumb adjustment. Out of plumb adjustments greater than 1/2" may cause the door not to function properly.

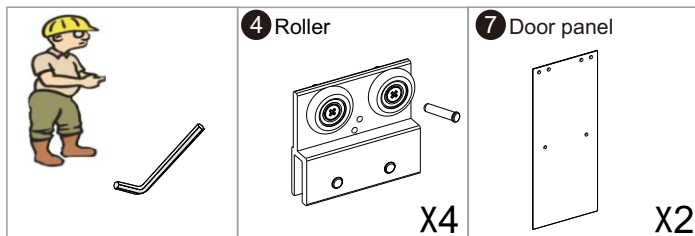
◆ Installation Steps

	<b>5</b> Wall profile	<b>14</b> Bottom Track	<b>10</b> Screw ST4*35	<b>9</b> Wall Anchor
	 X2	 X1	 X6	 X6

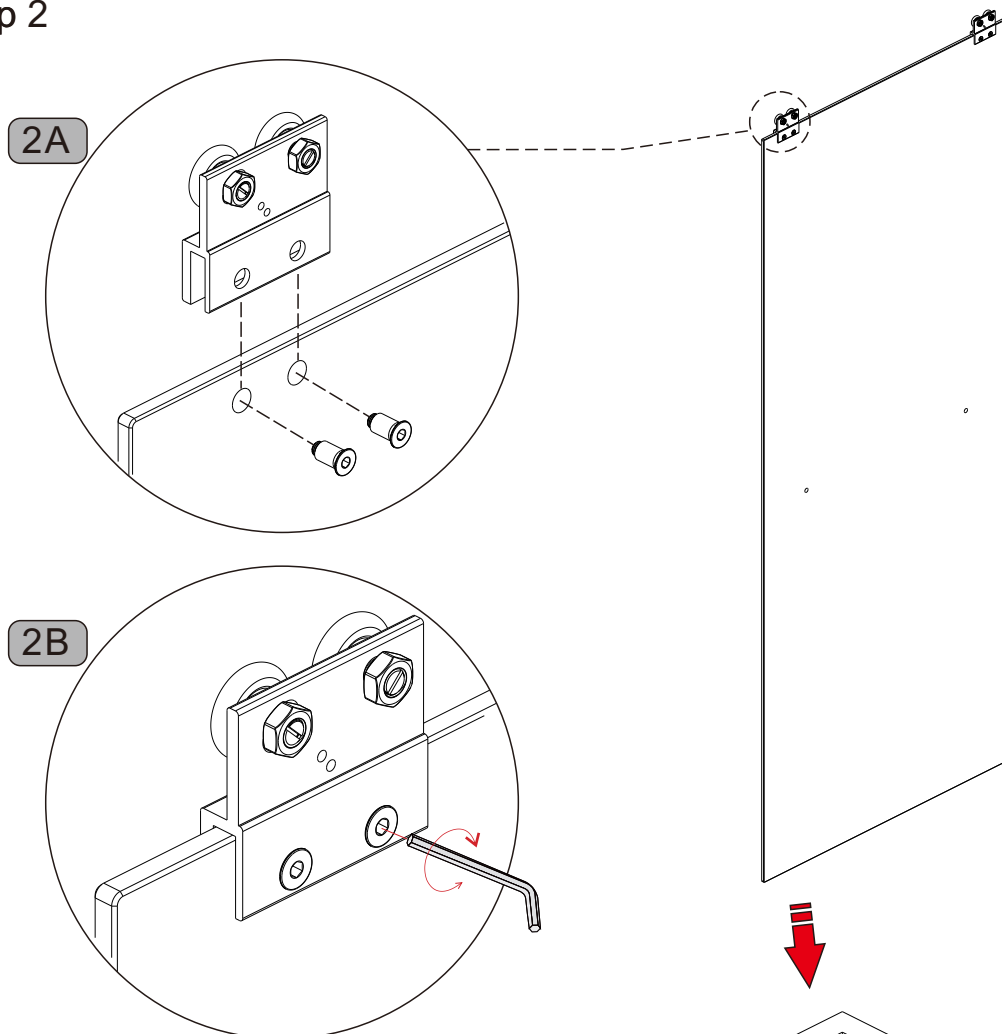
Step 1



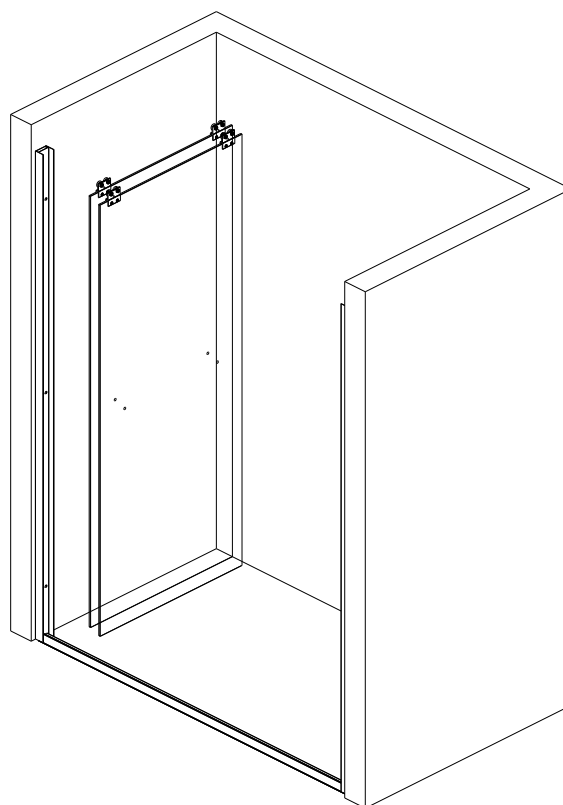
## ◆ Installation Steps




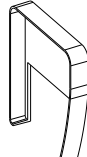
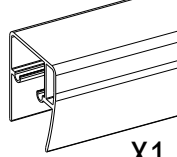
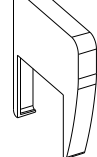
### Step 2



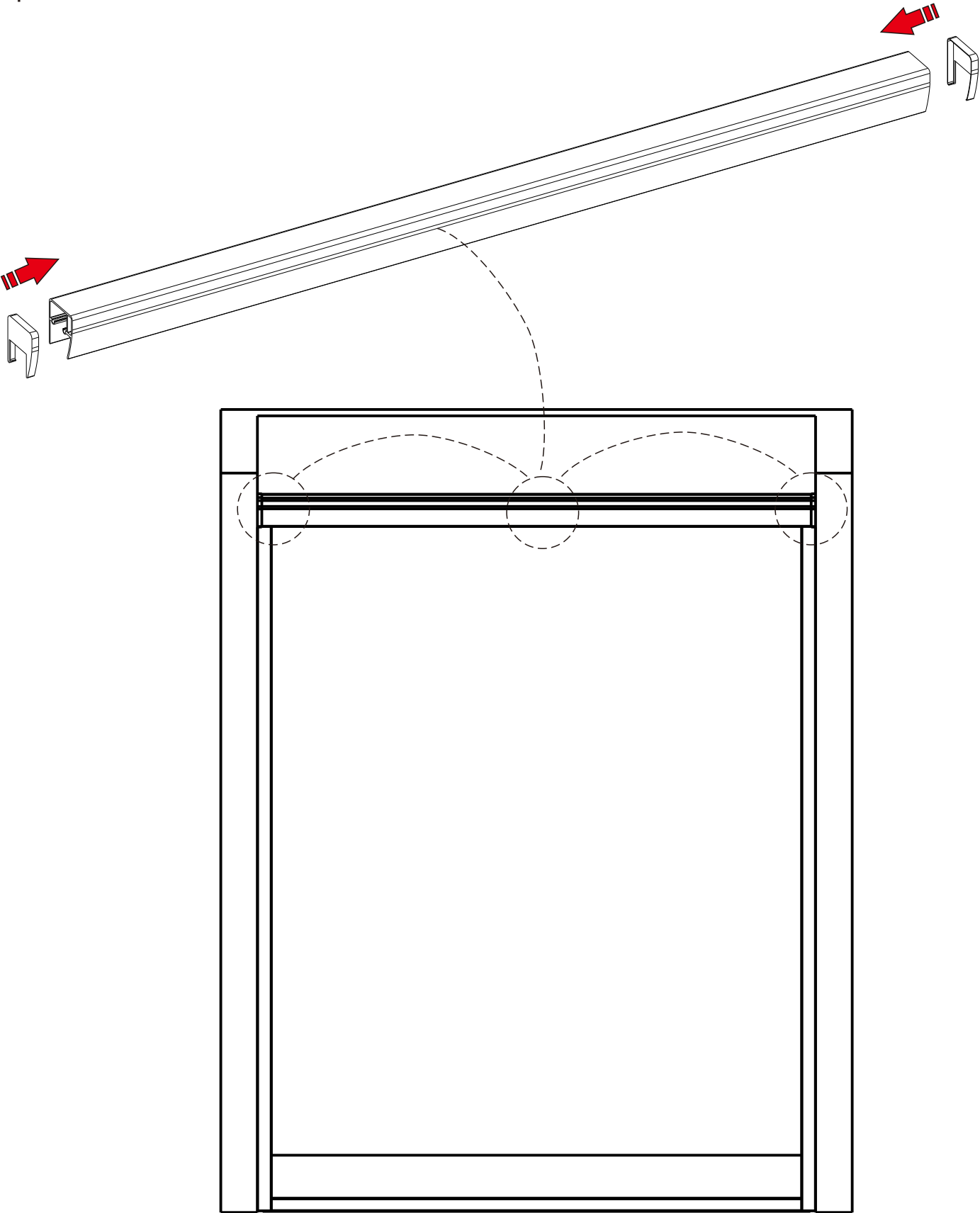
The assembled rollers and glass with black corner protectors are moved to the shower area



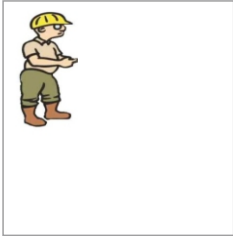
◆ Installation Steps

	<b>1</b> Right Decorative cover  X1	<b>2</b> Top Track  X1	<b>3</b> Left Decorative cover  X1
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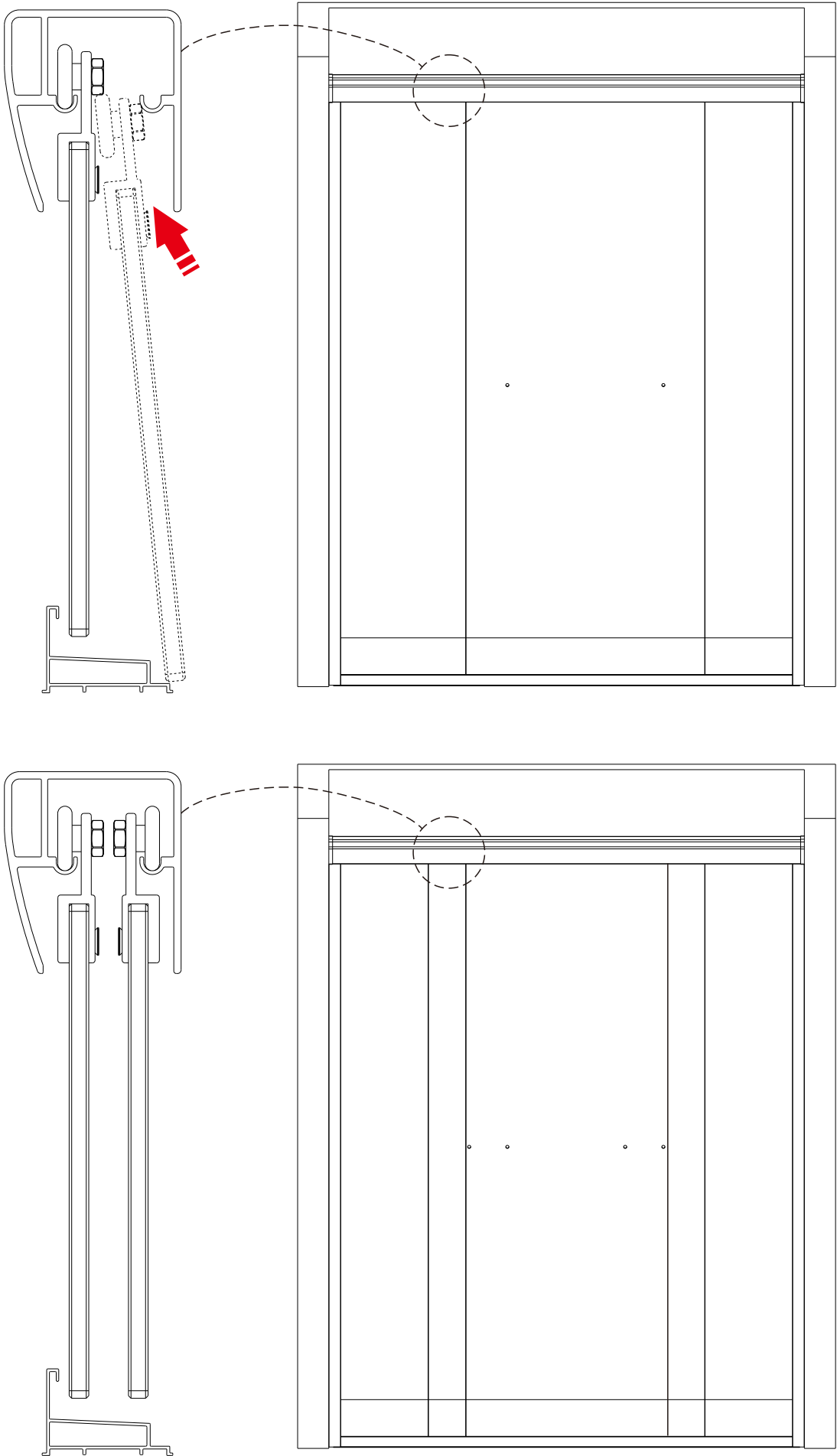
Step 3



◆ Installation Steps

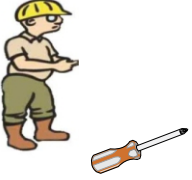
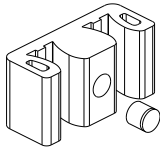
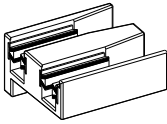
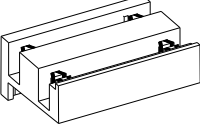
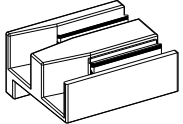



Step 4

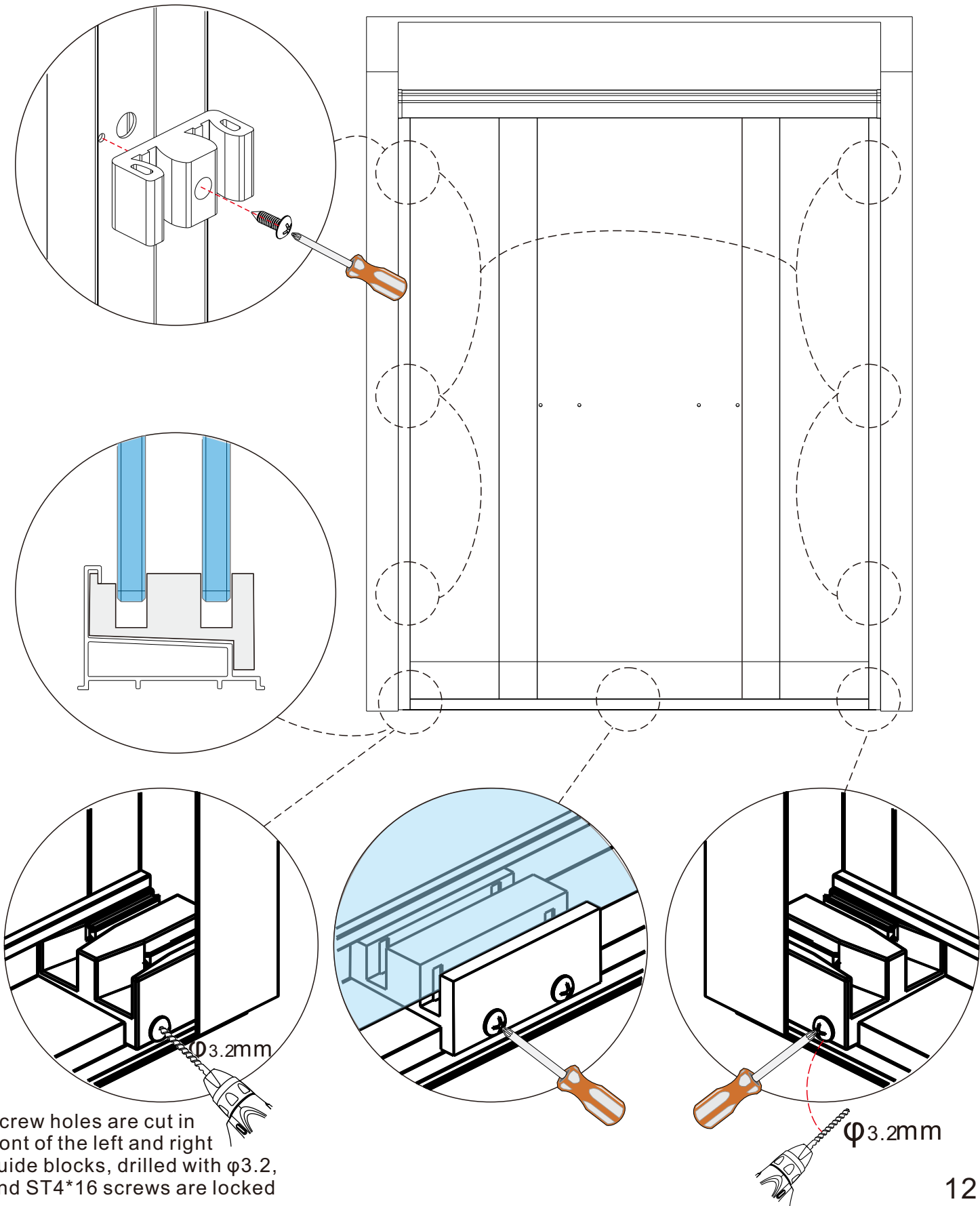




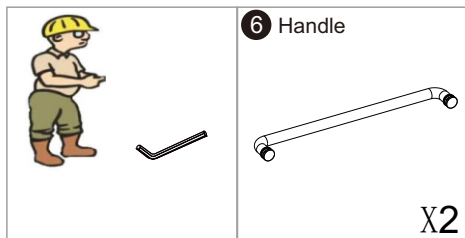
◆ Installation Steps

	<b>6</b> Bumper blocks  X6	<b>13</b> Left guide block  X1	<b>15</b> Middle guide block  X1	<b>16</b> Right guide block  X1	<b>11</b> Countersunk Screw <b>12</b> Countersunk Screw ST4X16  X10
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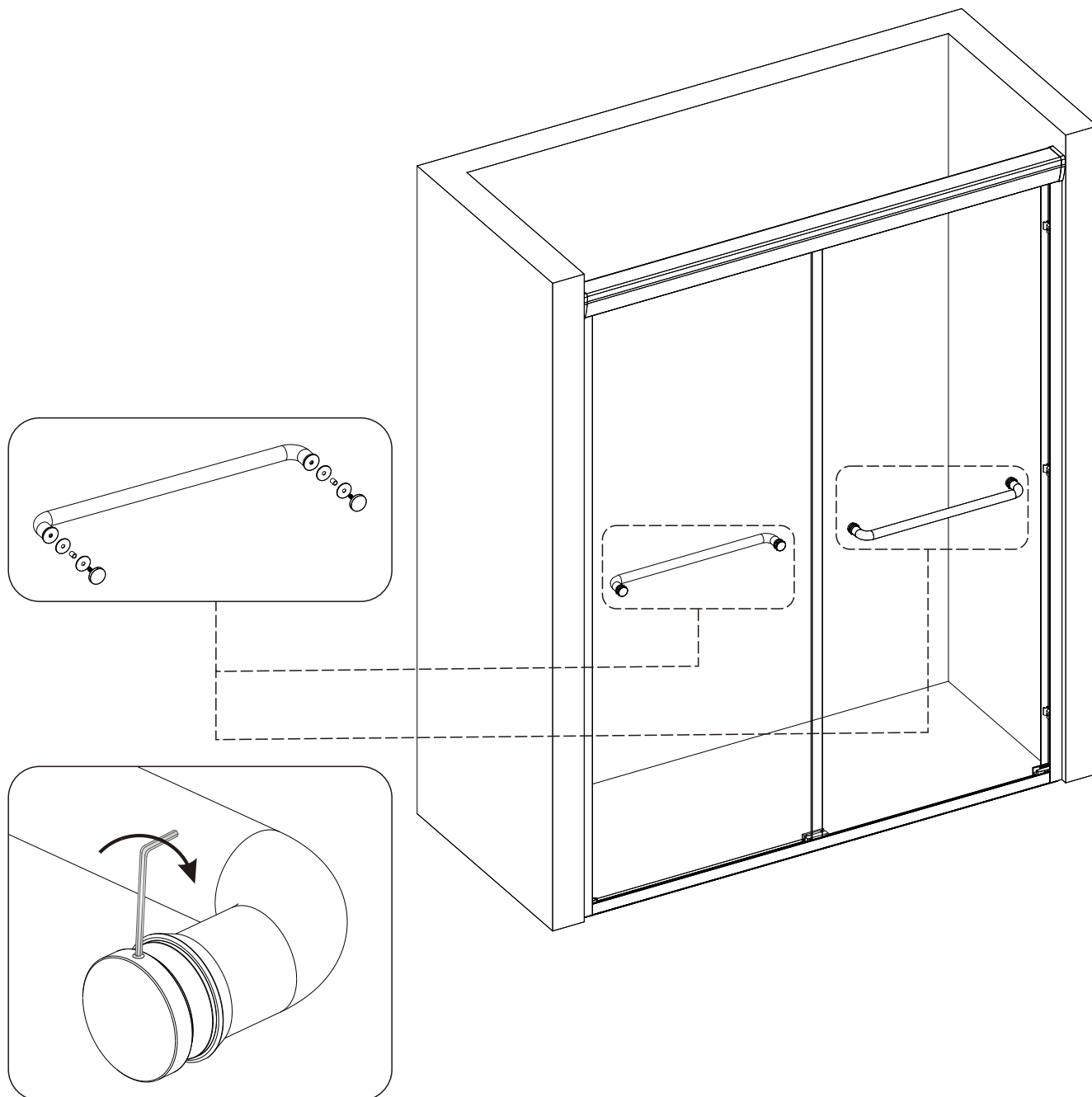
Step 5



## ◆ Installation Steps

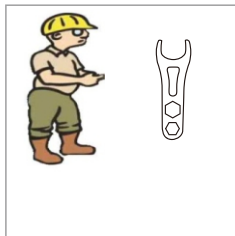


### Step 6



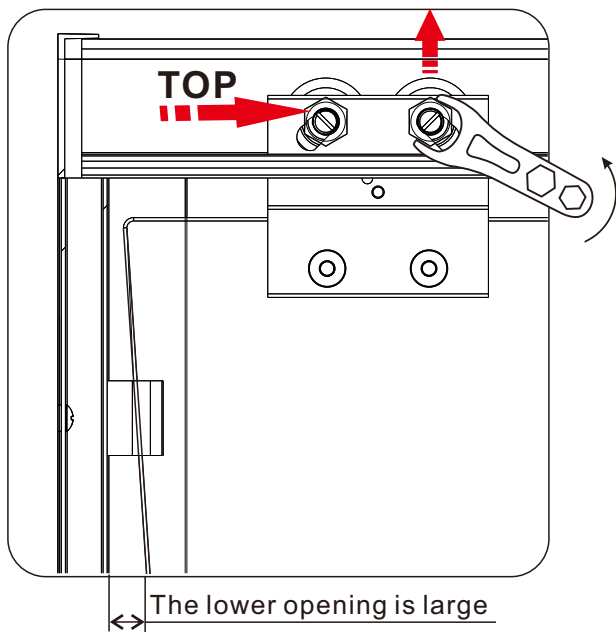
Turn the metal sleeve to the right to tighten the handle.

## ◆ Installation Steps

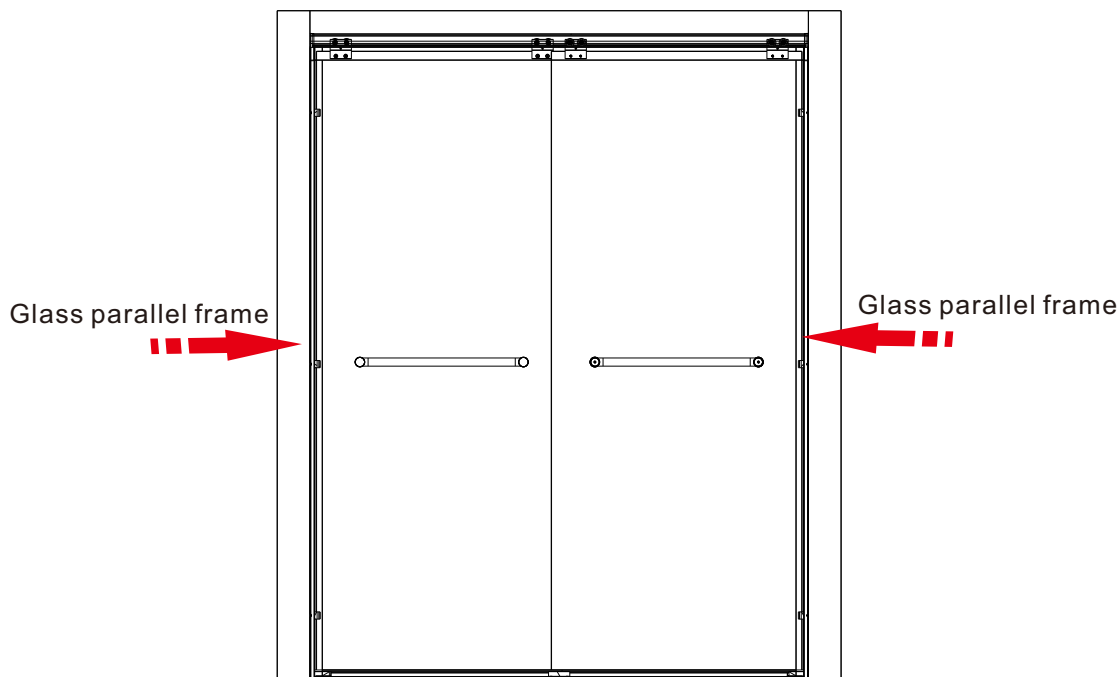
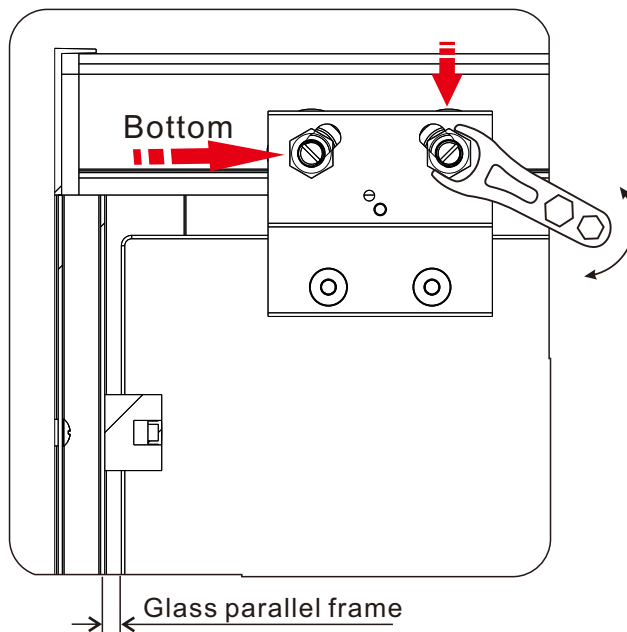


### Step 7

The roller is loose to the top, and the opening under the movable glass is large

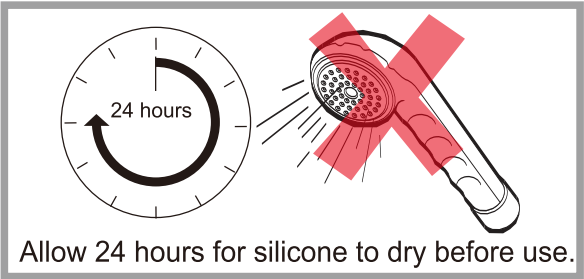
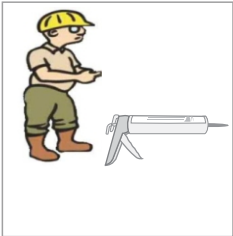


The roller is loosened to the bottom, and the glass is parallel to the frame

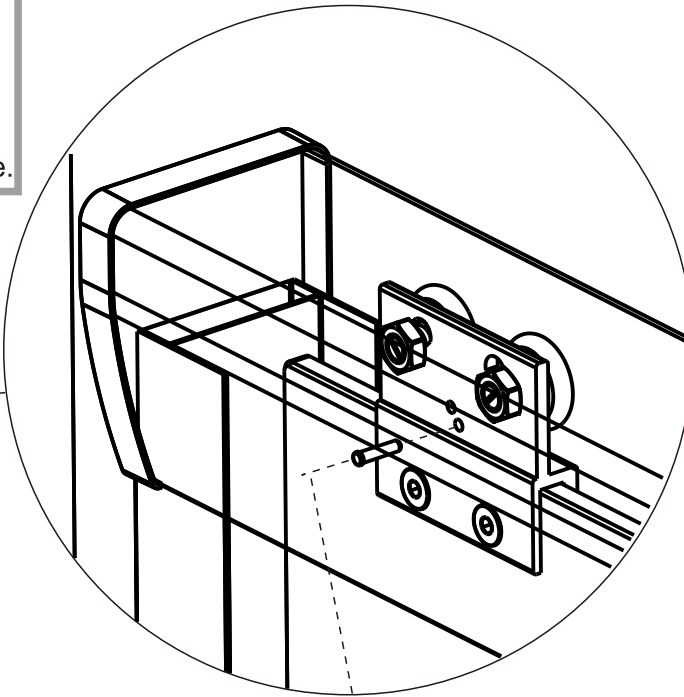
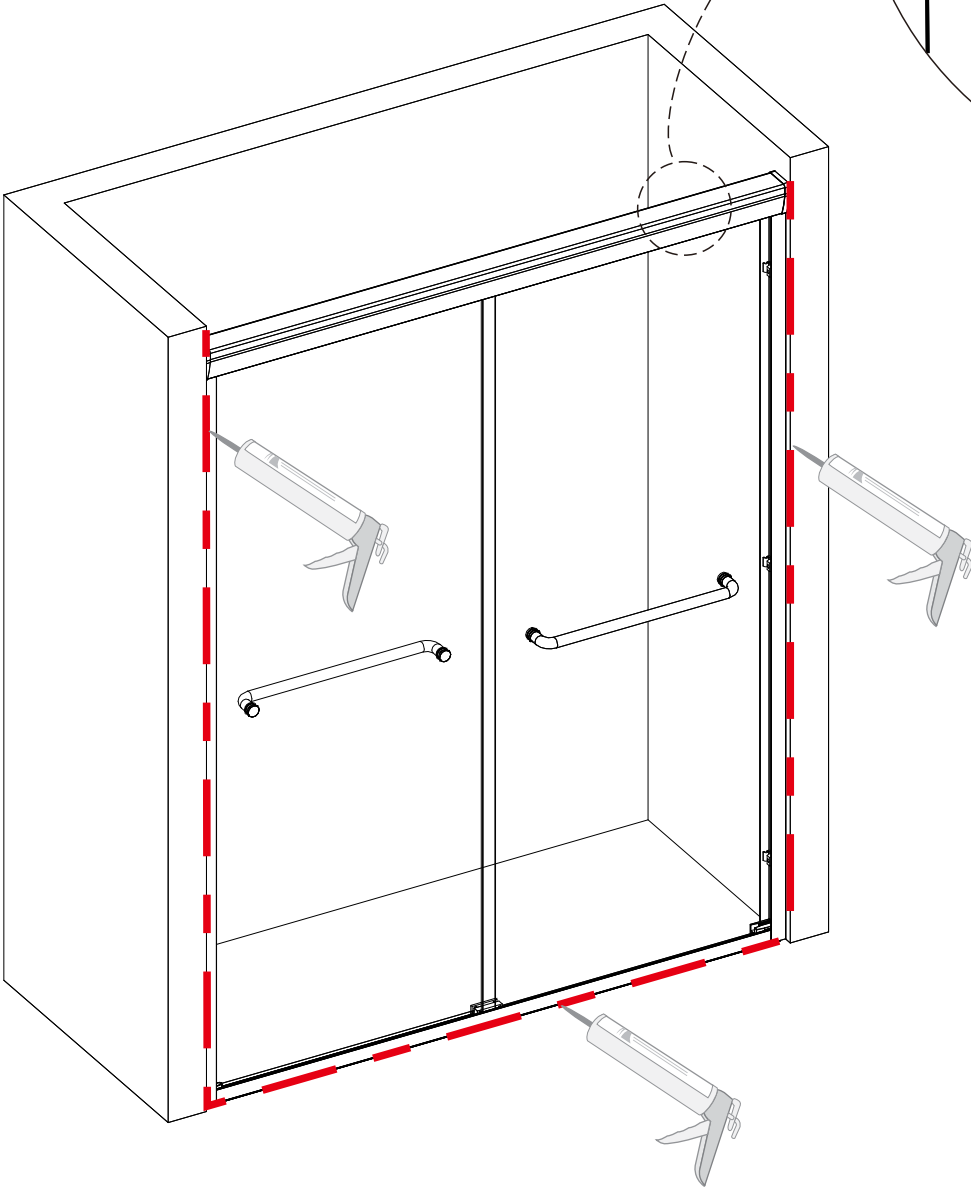


Loosen main allen screw and turn metal bushing left or right to raise or lower door. Tighten main allen screw.

◆ Installation Steps



Step 8



Install the safety latch

# SHOWER GRAB BAR SHELF INSTALLATION INSTRUCTIONS

## Questions, problems, missing parts?

Before returning to your retailer, call our customer service department at 1-844-974-2400, 9 a.m. - 5 p.m., EST, Monday - Friday

## Shower Shelf Models

20" Shelf

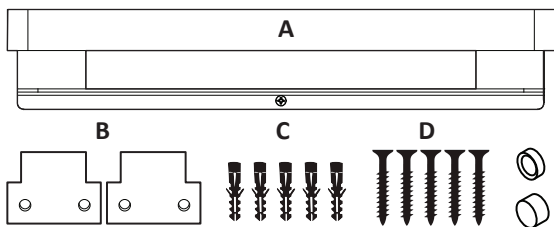
30" Shelf

**PLEASE READ THESE INSTALLATION INSTRUCTIONS THOROUGHLY PRIOR TO INSTALLING THIS SHOWER SHELF**

**IMPORTANT: THIS PRODUCT SHOULD ONLY BE INSTALLED BY QUALIFIED AND TRAINED PERSONNEL**

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD LEAD TO IMPROPER INSTALLATION OF THE SHOWER SHELF, STRUCTURAL AND/OR WATER DAMAGE TO THE WALL AND IN-WALL SUPPORT STRUCTURES, AND/OR SERIOUS BODILY INJURY IN USE. IN ADDITION, ALL WARRANTIES, EXPRESS OR IMPLIED, WILL BE NULL & VOID DUE TO IMPROPER INSTALLATION OF THIS PRODUCT. THE MANUFACTURER DOES NOT ASSUME ANY LIABILITY FOR DAMAGE RESULTING FROM SERVICES PERFORMED BY OTHERS, OR FAULTY INSTALLATION, MISUSE OR MISAPPLICATION OF GOODS.

TO ASSURE PROPER AND SAFE INSTALLATION, THIS SHOWER SHELF MUST BE INSTALLED INTO A MINIMUM 2" THICK SOLID WOOD IN-WALL BACKING MATERIAL. MAKE CERTAIN IN-WALL BACKING COMPLIES WITH ALL LOCAL BUILDING CODE REQUIREMENTS.

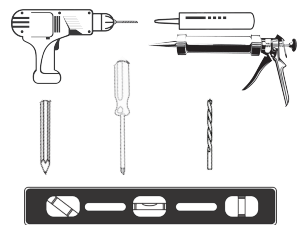


### HARDWARE PROVIDED

- A Shelf (1)
- B Mounting Brackets (2)
- C Wall Anchors (5)
- D Self-Tapping Screws (5)
- E Screw Cap Base (1)
- F Decorative Screw Cap (1)

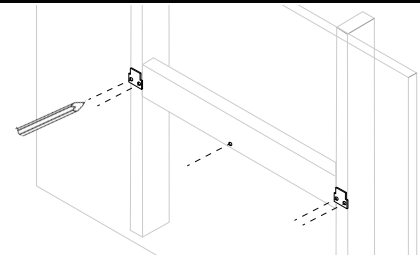
### TOOLS REQUIRED

- Pencil
- Level
- Power Drill
- 3/16" Drill Bit
- Philips Screw Driver
- Silicone



## STEP #1: LOCATION

- Remove Shower Shelf from package.
- Locate the area with 2" solid wood in-wall backing on the desired mounting location.
- Place the shelf in position on the wall. Using a level (not provided), ensure the shelf is level and mark the location for drilling of the mounting holes in the wall.
- Using a pencil or suitable marker, it is **extremely important** you mark the center of each of the five (5) mounting holes precisely on the mounting surface.



**Proceed cautiously with installation process to avoid drilling into electrical and/or plumbing behind wall.**

**All mounting points must fasten into structural wood backing (minimum 2" thickness). Where possible, drill through tile - not grout.**

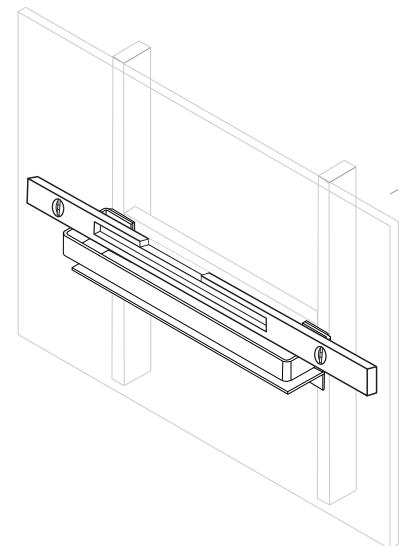
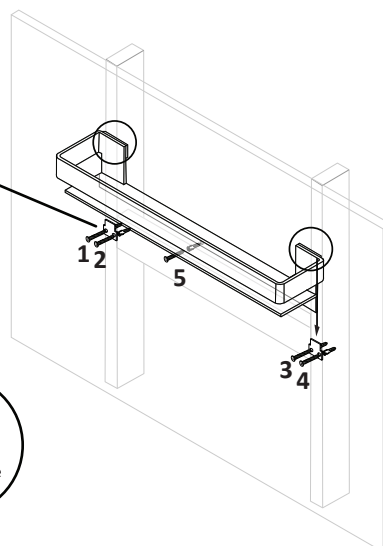
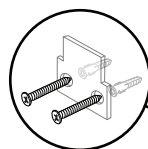
## STEP #2: MOUNTING

Drill five holes with a 3/16" drill bit (not provided) at the locations indicated.

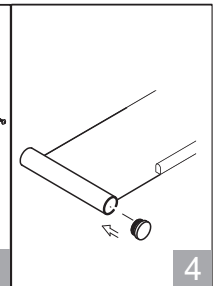
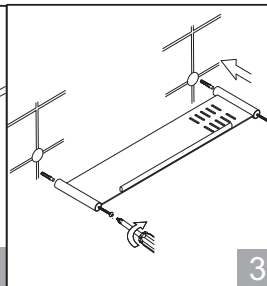
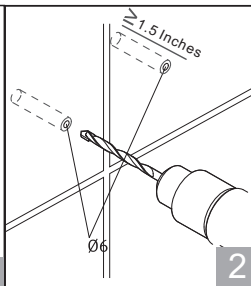
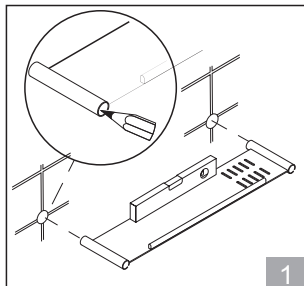
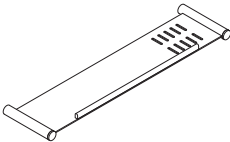
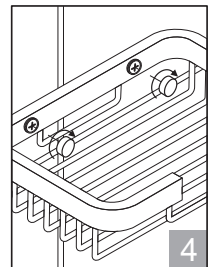
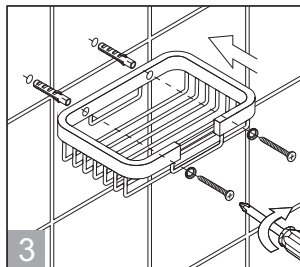
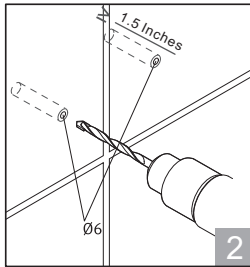
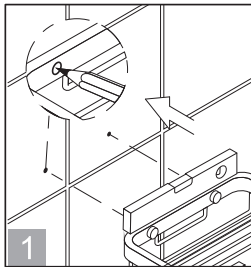
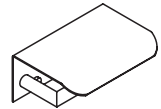
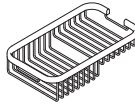
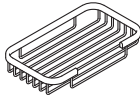
Apply silicone to hole to ensure a water-tight seal. Tap in wall anchors. Position and install mounting brackets with four self-tapping screws to secure brackets to wall.

### MOUNTING

Position shelf above brackets and slide down onto brackets. Before securing remaining self-tapping screw in center position, place screw through screw cap base and secure screw into wall anchor. After center screw is secure and counter sunk into screw cap base, snap on decorative cap. Using a level, confirm shelf is mounted level. If not, small adjustments can be made to brackets.



# Instruction Manual



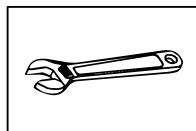
## Cleaning

Only clean and dry the surface with mild-cleanser and soft-cloth.  
Never use rough sponges, abrasives, ammonia, bleach or solvent based cleaners.  
It is recommended to clean the surface periodically for a lucid surface.

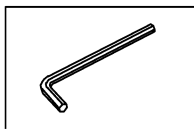
Residues of liquid soaps, shampoos and shower foams can also cause damage, so rinse with clean water after using. The damage of already damaged surfaces will deteriorate under the effect of the cleansers. Components with damaged surface must be exchanged, otherwise there could be an injury danger.

# Two Function Concealed Shower Set Installation

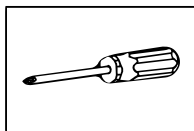
## INSTALLATION MANUAL Tools You Will Need :



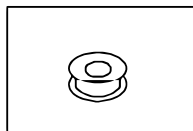
Adjustable wrench



Hexagon wrench



Philips Screwdriver



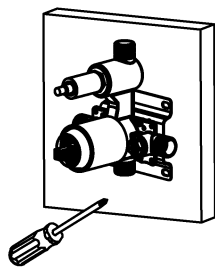
Pipe Tape

### Notes before installation :

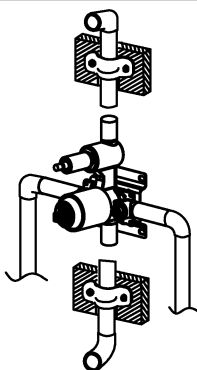
1. Please check that all components are present.
2. Before installation ensure that all feed lines are clear of debris and the on/off valve is present.
3. Ensure water pressure is between 20-125 PSI (includes combination of hot and cold feed lines).
4. Pictures in the manual may not represent exact purchased product. If you are having difficulties please contact a professional plumber.
5. Shut off the main water supply if you will be away from home for an extended period.
6. Rinse all water pipes before installation to insure no impurities remain inside.
7. When welding the shower valve to the water pipe, take out the cartridge and any seals in the valve. When welding is complete, wait for body of the valve to cool down, then re-install the cartridge and the seal parts.
8. A force of 11-13 N.m is needed to securely lock the cartridge.



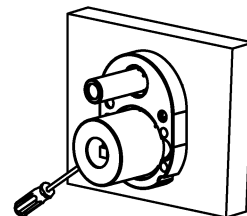
**All valves have to passed air and pressure testing before shipment. If you wish to request pressure testing before installation, it must be through a professionally licensed plumber and air pressure must not exceed 125 PSI.**



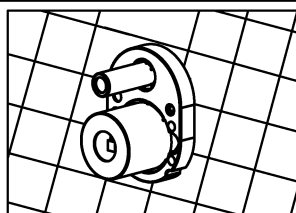
1. Confirm the installed place of the pressure balance valve and fixed on the wood block .



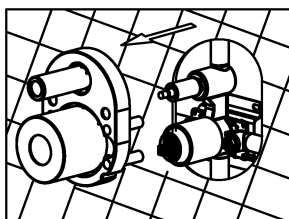
2. Connect the hot&cold inlet tube and outlet tube, then make sure the tube fix stable on the wooden wall.



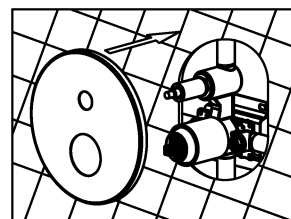
3. Lock the install protective cover into the body. ( 155\*135mm oval type).



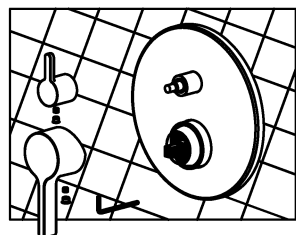
4. Please cut the size of the tile hole according to the size and shape of the protected cover ( about 5mm bigger than the protected cover from each side ) . And please put the tile outside the wooden wall ( please noted that we keep the same central point for the tile hole with the protected cover ) .



5. Loosen the screw and remove protect cover.



6. Lock the deck plate into the body and cling to the wall.



7. Put on the handle, then tight the screw.