



GLASSCRAFTERS INC.

GLASSCRAFTERS, INC
193 Veterans Blvd., Carlstadt, NJ 07072

1+(888) 683-1362 -- (Fax) 201-525-1117
sales@glasscraftersinc.com

EQUALIS™ series

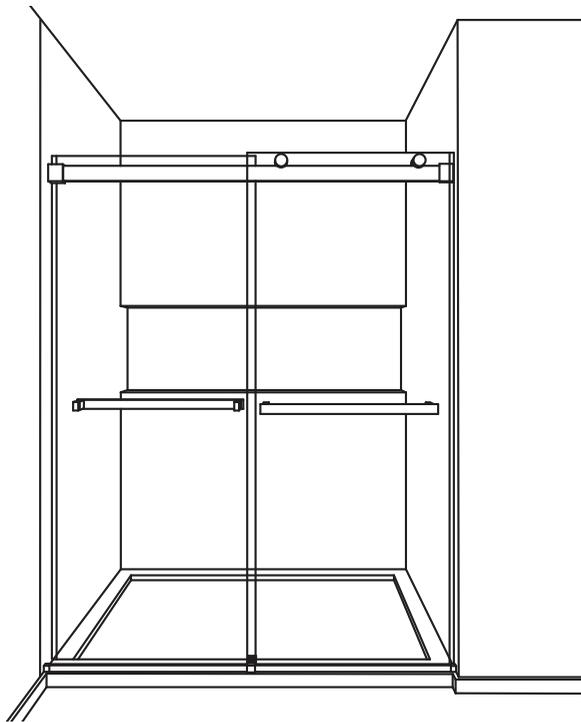
Frameless By-Pass Shower/Tub Enclosure Installation Instructions

The following instruction sheet is for the installation of the models:

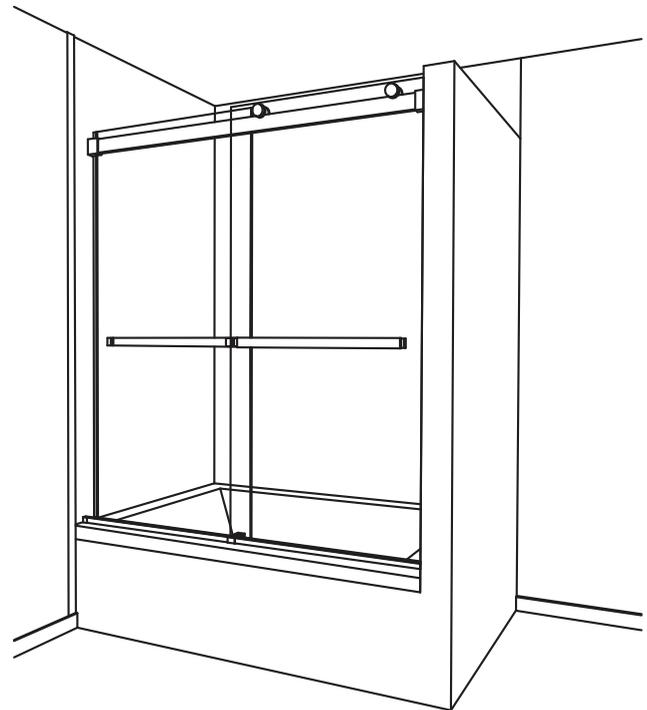
SHOWER ENCLOSURES: DS-48T-38 45"- 48"w X 76"h , DS-54T-38 51"- 54"w X 76"h , DS-60T-38 57"- 60"w X 76"h , DS-66T-38 63"- 66"w X 76"h
TUB ENCLOSURES: DT-60T-38 57"- 60"w X 66"h , DT-66T-38 63"- 66"w X 66"h

All Units are available in five finishes:

Brushed Stainless Steel (BSS), Polished Stainless Steel (PSS), Polished Chrome Aluminum (CHA), Iron Black (IBK) or Oil Rubbed Bronze (ORB)



Shower Enclosure



Tub Enclosure

FOR BEST RESULTS

GlassCrafters recommends the installation be performed by a trained installer.

**INSTALLING
THESE UNITS
REQUIRES
2 PERSONS**

**SAVE THESE INSTRUCTIONS
FOR FUTURE REFERENCE**

**EQUALIS Series Frameless By-Pass
Shower/Tub enclosures are also
available with a Return Panel.
Separate Installation Instructions for the
Return Panel are supplied in the Return Package.**

**WARNING: TO INSTALL ON CAST IRON, FIBERGLASS, ACRYLIC OR RESIN TUB OR SHOWER BASE
Check with the tub or shower base manufacturer to determine the tooling required.**

Please use extreme care while unpacking and handling your GlassCrafters' Shower or Tub Enclosure. If you need replacement parts or have installation questions and to report any damage contact our GlassCrafters' customer service team at sales@glasscraftersinc.com or 888-683-1362, Monday thru Friday from 8:00 am to 5:00 pm (EST).

Installation shall be made according to manufacturers' instructions and drawings.

GlassCrafters recommends the installation be performed by a trained installer.

CAUTION: Risk of injury or product damage. Do not attempt to cut tempered glass.

IMPORTANT! Children should be supervised at all times while in Tub/Shower Enclosure.

IMPORTANT! Never use Door Handle to support yourself. This is for towels or wash cloths only.

PLEASE STOP THE INSTALLATION AND CONFIRM WITH FACTORY IF THE ACTUAL NUMBER OR TYPE OF PARTS IS DIFFERENT.

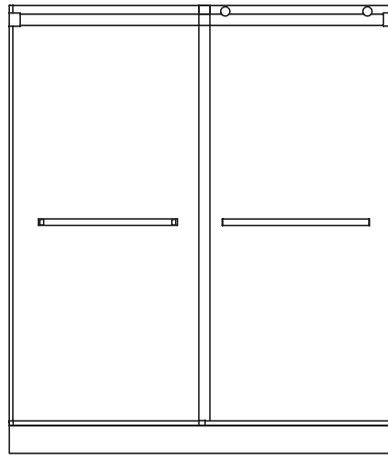
Tools Required - For installation of Your Shower Enclosure

- Safety glasses
- Measuring tape
- Pencil
- Hack saw or chop saw (for stainless steel)
- Miter Box or Square
- Level
- Electric Drill
- Center Punch
- Rubber Mallet
- Drill bit, 5/16" masonry (for installation on ceramic tiles or marble)
- Power screwdriver
- #2 phillips screwdriver
- Caulking gun
- Cutting Pliers
- Suction Glass Lifters (rated for more than 100 lbs)

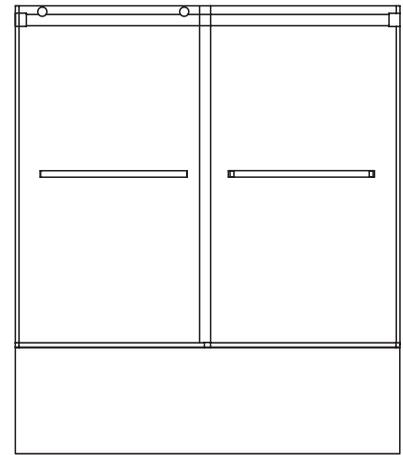
WARNING: TO INSTALL ON CAST IRON, FIBERGLASS, ACRYLIC OR RESIN TUB OR SHOWER BASE

Check with the tub or shower base manufacturer to determine the tooling required.

THIS MANUAL IS FOR INSTALLATION OF THE EQUALIS SERIES™ FRAMELESS -BYPASS FOR SHOWER STALL OR TUB ENCLOSURES



STALL



TUB

Parts Description

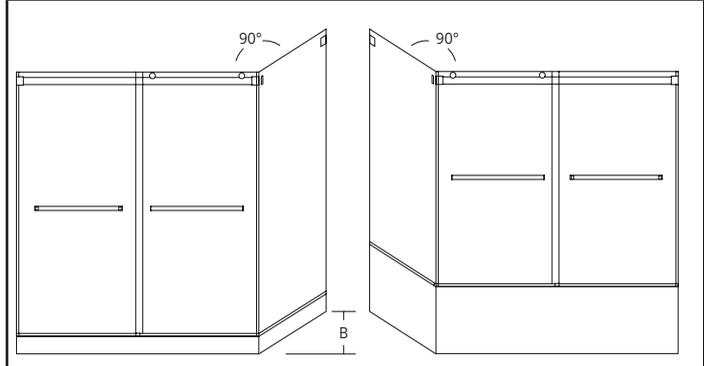
ITEM NO.	DESCRIPTION	QTY.
1.	Header Wall Brackets	2
2.	Header	1
3.	Inside Roller Door Stop	2
4.	Outside Roller Door Stop	2
5.	Glass Door	2
6.	Inside Door Roller Assembly	2
7.	Outside Door Roller Assembly	2
8.	Flat Head Screws, #8 x 1 1/4"	7
9.	Plastic Wall Anchors	7
10.	Center Guide	1
11.	Roller Adjustment Wrench	2
12.	Curb Dam	1
13.	Center Guide Leaf	4
14.	Hex Key Set (4)	1
15.	Towel Bar Assembly	2
16.	"A" Vinyl /Bumper	2
17.	Clear "H" Vinyl	1
18.	Poly Bottom Splash Guard	1

ASSEMBLY AND INSTALLATION INSTRUCTIONS:

GlassCrafters recommends the installation be performed by a trained installer.

- Read the manual and become familiar with the steps involved in installation.
- This product requires **Two Persons** for safe installation.
- Always wear safety glasses during this installation.
- The proper dimensions for this installation were submitted at the time of order. The two doors may overlap to accommodate minor smaller opening. One end of the Header may be cut with a Hacksaw for stainless steel, but it must fit completely in the Header Wall Brackets for a safe installation.
- When installing any mechanical parts through the pre-drilled holes in the glass door and panel be sure to use the gaskets and bushings supplied between any metal element and the glass. Do not overtighten any fittings.
- If the installation is over ceramic tiles the wall Jamb must lay flat on these tiles for the entire height of the unit.
- Silicone Sealant is used to seal some parts during installation.

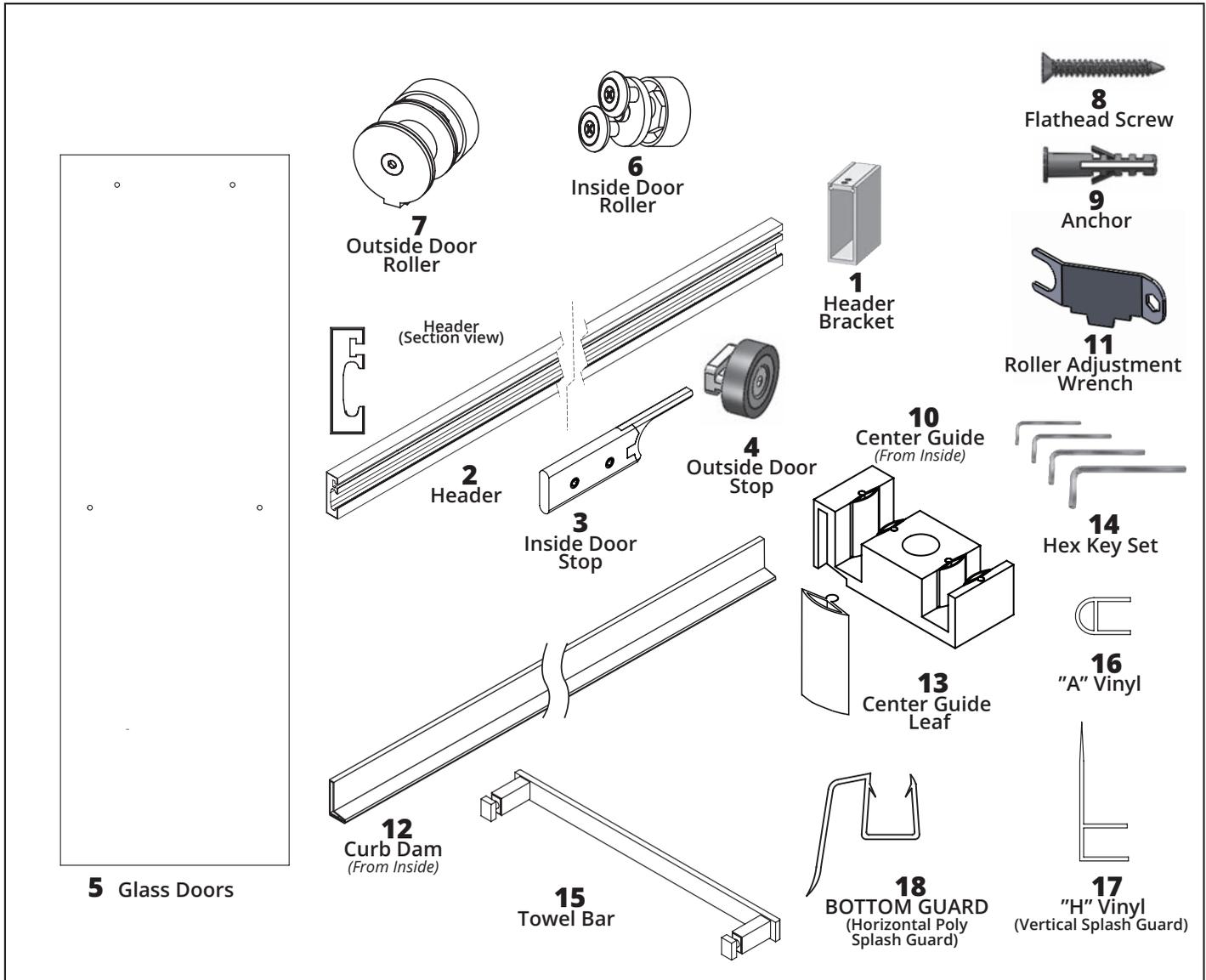
THE EQUALIS SERIES™ FRAMELESS -BYPASS IS ALSO AVAILABLE WITH RETURN FOR BOTH SHOWER STALL OR TUB ENCLOSURES. THE RETURN CONFIGURATION HAS A SEPARATE MANUAL FOR THE RETURN.



IMPORTANT: Read all instructions carefully and become familiar with all parts before installation.

- Unpacking:**
- A box Cutter should not be use to open any box.
 - Please remove all staples from the box prior to unpacking metal and glass.
 - Stand Panels upright on a cushioned base, such as a piece of carpet or towel.
 - Never place glass directly on hard surfaces.
 - Any assembly that requires the panel to lay flat must be on a cushion surface.

Parts



When ordering replacement parts, please specify the Model Number, Item Number & Part Description. Save these Installation Instructions For Future Reference.

Write your Dealer information down on Notes Section. Ask your Dealer for JOB LOG NUMBER (Lxxxxx-xxx) referencing to your shower enclosure.

VERY IMPORTANT -- If your installation includes a RETURN PANEL consult the instructions and part list for the Return Panel and follow those steps.

IMPORTANT: Determine if your Tub/Shower Stall Enclosure ledge is Level and Walls are plumb. If they are out of Level/Plumb, by more than 3/8", STOP! and call Customer Service.

The Phone number is 1-888-683-1362 .

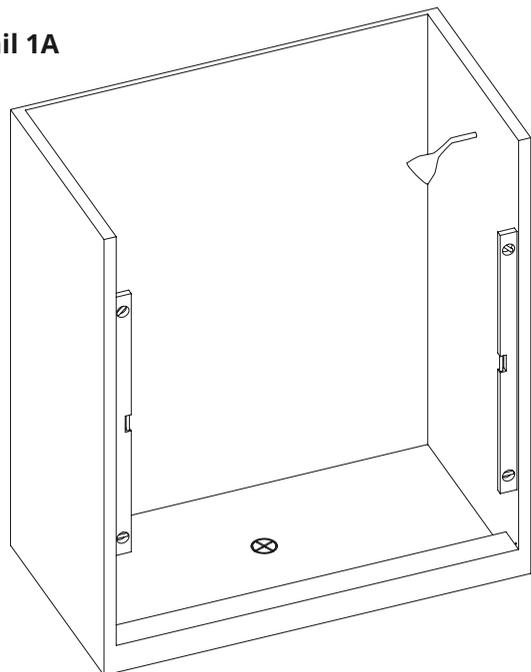
If they are Level/Plumb, or out of Plumb for less than 3/8" proceed with installation.

SPECIAL NOTE:

2 3/4" MINIMUM CURB WIDTH REQUIRED.

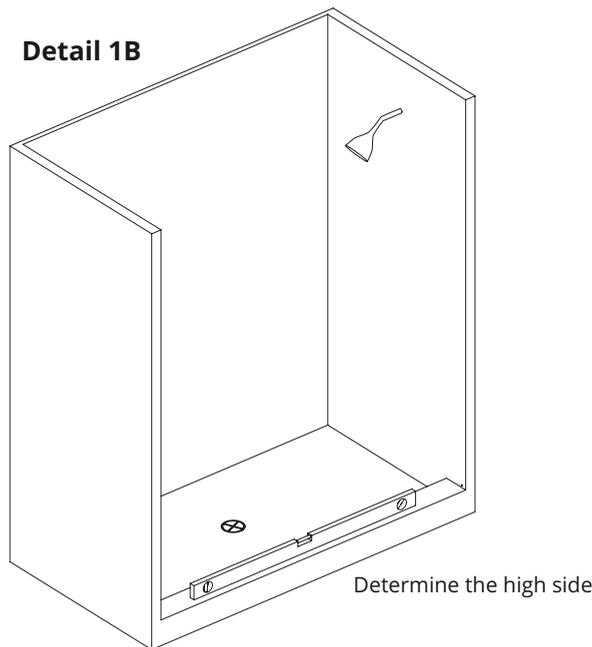
STEP 1. Determine the Plumb Condition of the opening: Use a level to determine that the enclosure is plumb on both sides. If any side is out of plumb more than 3/8" it will make the adjustment of the Glass Doors complicated.

Detail 1A



STEP 1B. Determine the Level and centerline of the Curb. (Work from high side first.) Determine the level of the curb and mark the "high" side (A maximum of 3/8" out of level is acceptable.) Draw a pencil line side to side on the center line of the Curb. Draw a line front to back on the exact center of the curb.

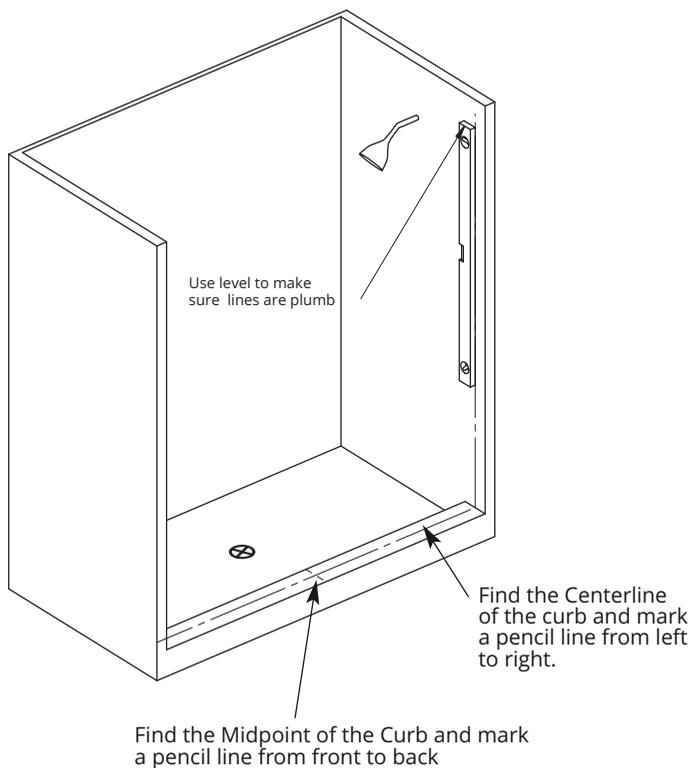
Detail 1B



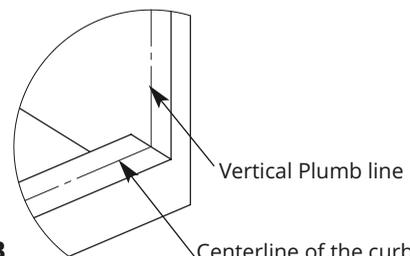
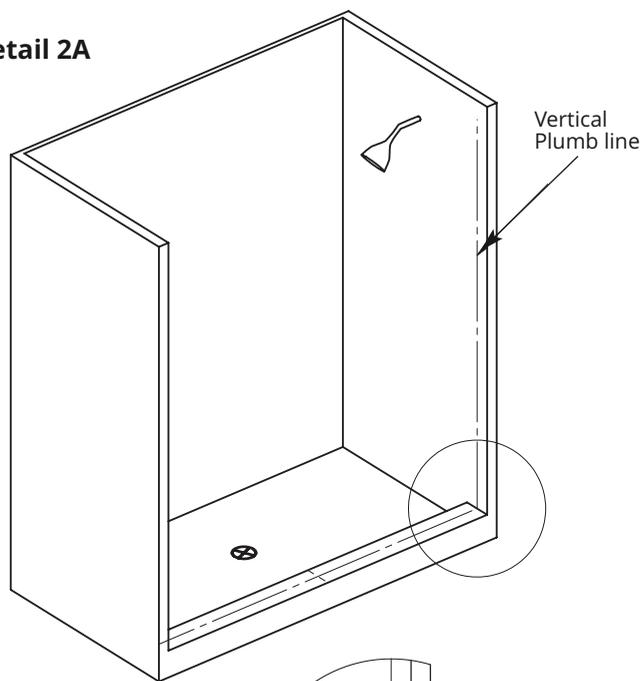
STEP 2 Use a level to determine the exact vertical plumb position of the pencil line that extends the centerline on the vertical wall.

Detail 1C

Draw a pencil line front to back on the exact center of the curb.



Detail 2A



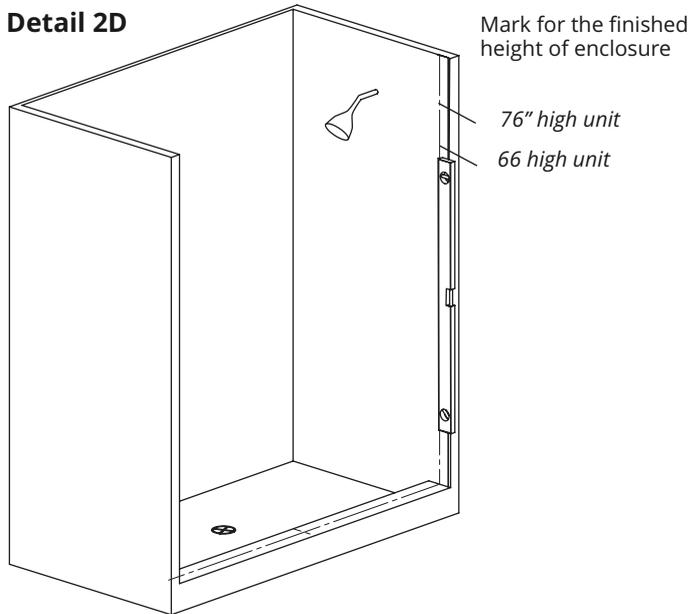
Detail 2B

STEP 2C. Using the penciled centerline on the wall use a level to recheck the exact vertical position. Mark the top height for the unit at 66" or 76".

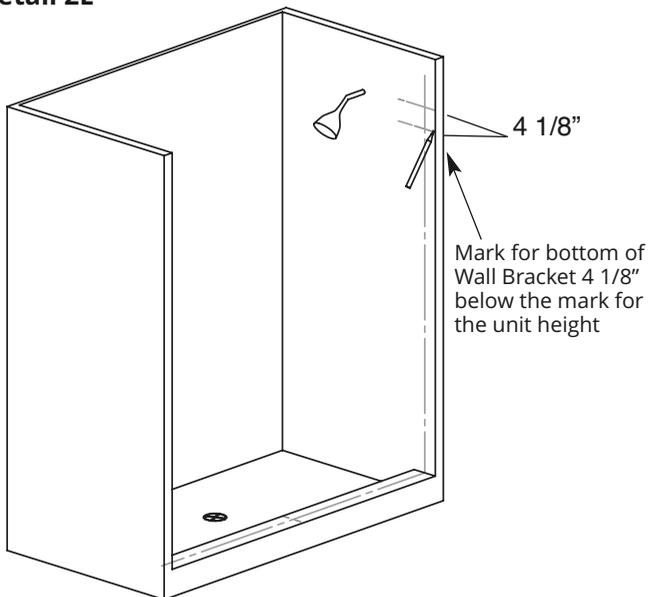
Mark another line 4 1/8" below the finished height of the enclosure for the bottom of the wall bracket. (See chart below)

Header Bracket Baseline	
UNIT HEIGHT	BRACKET BOTTOM HEIGHT MARK
76"	71 7/8"
66"	61 7/8"

Detail 2D

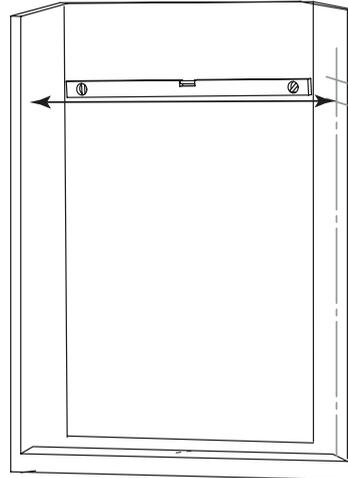


Detail 2E



STEP 2F . Measure and Cut the Header to size

Using the mark for the bottom of the bracket measure the width of the opening for the header location. Use a level to check the exact vertical position for the width. Subtract 3/8" to 1/2" from this width to allow for the brackets. Mark and cut the header. (Header does not install until Step 8.)

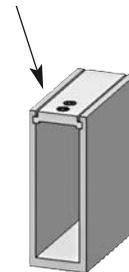


- Use the mark for bottom of Wall Bracket.
 - Measure the width of the unit the level height.
 - Subtract 3/8" to 1/2" and mark this reduced width on the header and cut one end of the header with a hacksaw.
- NOTE: take care with the stainless steel cladding on the Header that it does not bend or scratch.

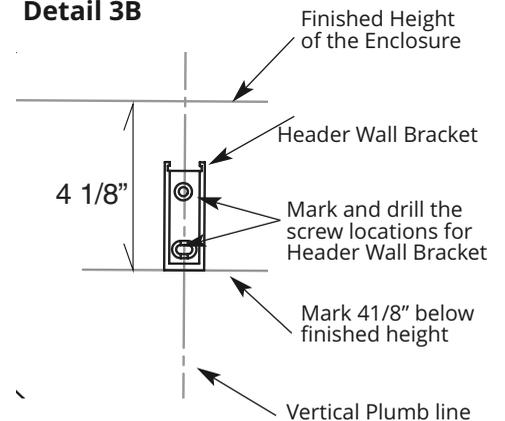
STEP 3. Drill and install the install the Header Wall Bracket Use the Flathead Screws and anchors as supplied.

Detail 3A

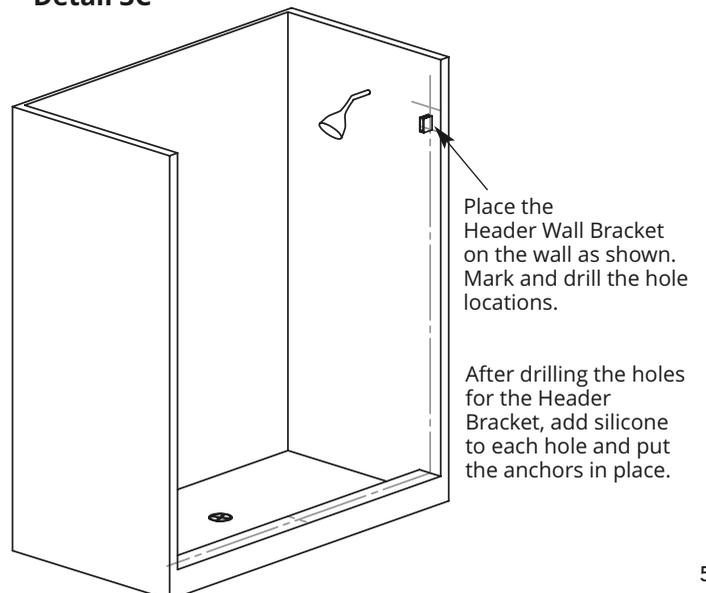
NOTE: Loosen the set screws and the bracket top slides out for installation



Detail 3B



Detail 3C



After drilling the holes for the Header Bracket, add silicone to each hole and put the anchors in place.

FOR MODELS USING A RETURN PANEL:
Stop here and read the installation manual for the RETURN PANEL. The Return panel and supporting elements must be installed before proceeding.

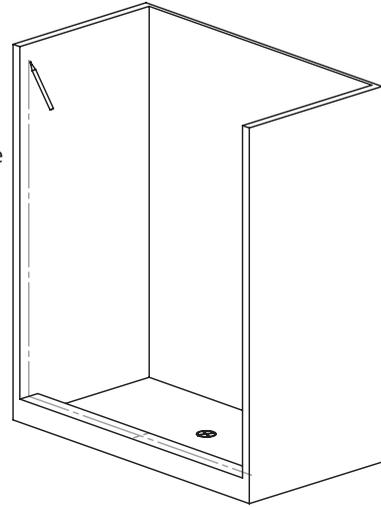
STEP 4. Position for second Header Wall Bracket -- .

Extend the pencil centerline from the marked center line on the curb and use a plumb or level to determine the correct vertical position.

IMPORTANT NOTE: The header must be exactly level to insure the correct operation of the doors. If the header is out of level the doors will not close properly.

Detail 4A

Use a level to continue the curb centerline up the wall, Mark with a pencil.



STEP 5.

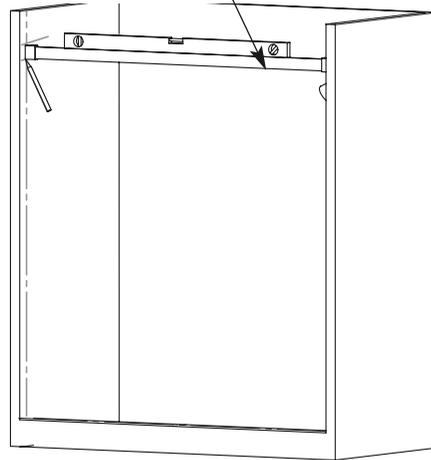
Use a level to determine the exact position as follows:

- Place the second Wall Header Bracket on the Header — loosen the set screws to slide onto the Header —and place the other end of Header in the installed Wall Bracket.

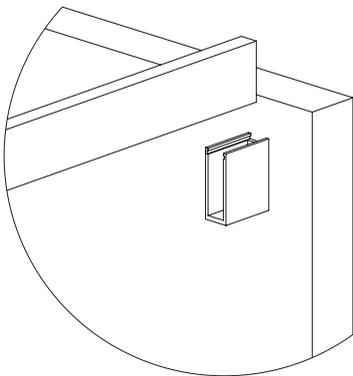
NOTE: When placing the header into the bracket squeeze each end to be sure that the stainless steel cladding is tight against the aluminum header bar to avoid bending and damaging the header finish.

Detail 5B

Using a level to mark the location for the second Header Bracket.



Detail 5A



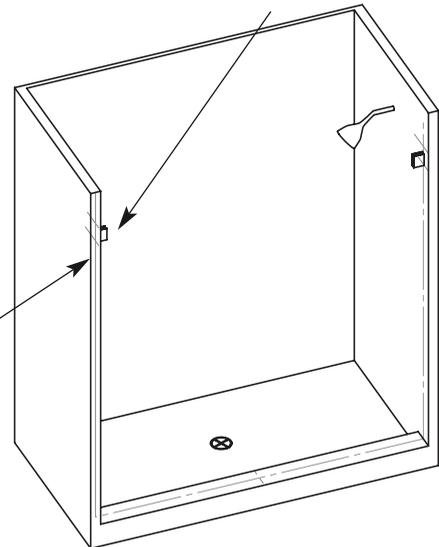
- Lower the Header with the installed second Wall Bracket in position as aligned centered on the marked vertical centerline.
- Use a level to determine the correct level position for the second Wall Bracket. (Detail 5B)
- Mark the top and outside of the Wall Bracket and then remove the header and take the second wall bracket off the header and place it the marked in position.
- Mark the installation holes. (Same s Detail 3B)
- Drill and install the second Wall Bracket.

Detail 5C

Drill the holes and fasten the second Header Bracket to the wall.

After drilling the holes for the second Header Bracket add silicone to each hole and put the anchors in place.

Fasten with the flathead screws supplied.



NOTE: DO NOT install the Header at this time.

Install the Header after Steps #6 & 7 in Step #8 on page 8.

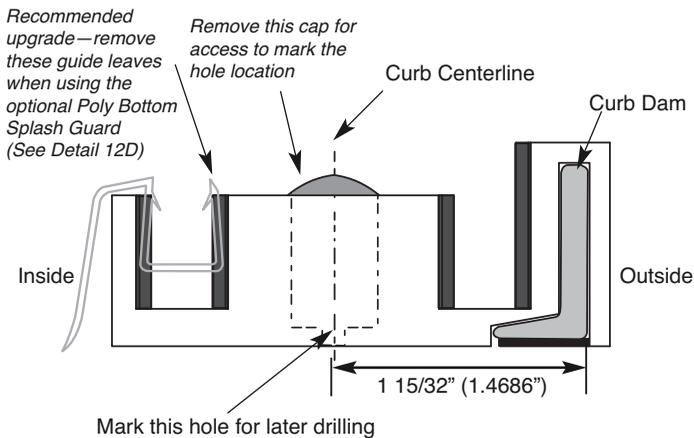
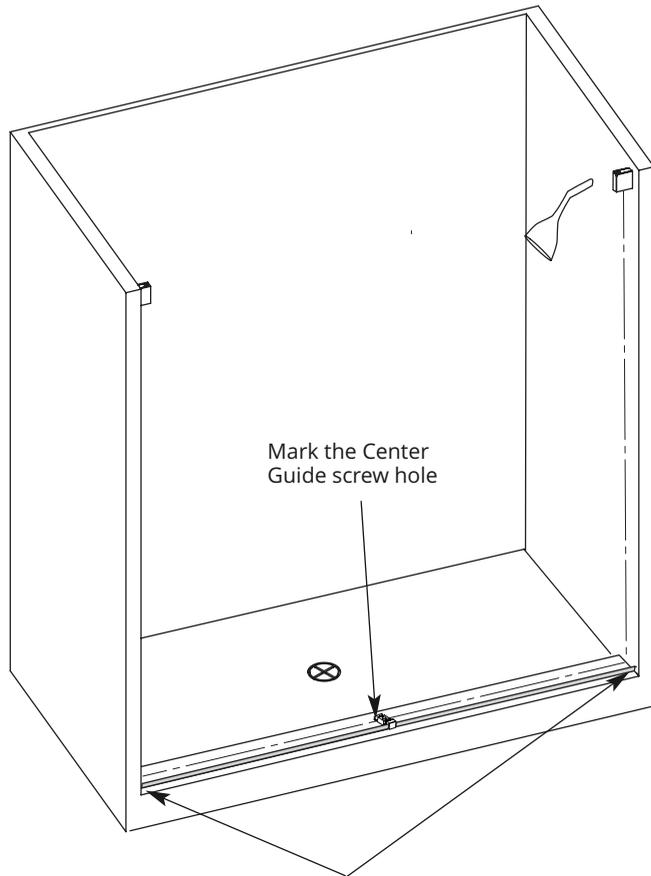
STEP 6. Measure for the Curb Dam

The Curb Dam must be cut to size. Measure from the inside edge of opening. Cut it and test fit with the Center Guide. Align the Center Guide screw hole with the marked centerline. Mark the position for the Center Guide screw hole. Install later in Step #12

STEP 6B. Mark the position of the Curb Dam with pencil lines at each end on the wall and across the outside edge of the Curb Dam on the base. Measure at both ends of this pencil line for the Curb Dam to determine that it is exactly parallel to the center line for the Center Guide. The offset from the centerline should be $1 \frac{15}{32}$ (1.4686”).

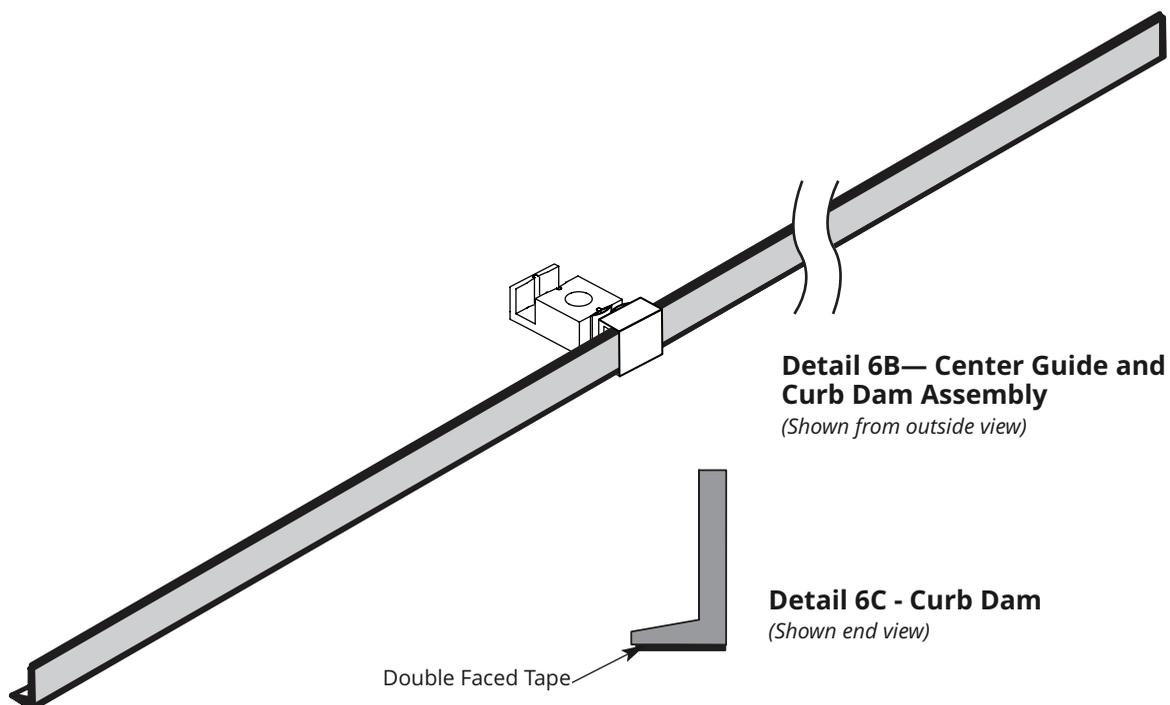
The Center Guide and the Curb Dam must be installed at the same time. (See Step 12).

Detail 6A



Mark the position of the Curb Dam with pencil lines at each end on the wall and across the outside edge of the Curb Dam on the base.

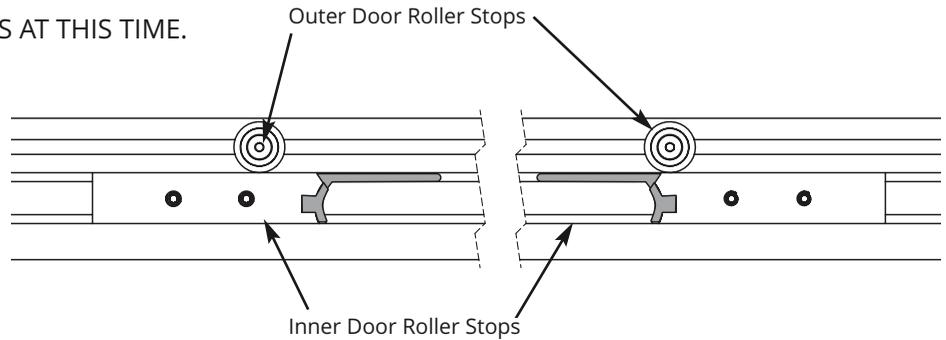
NOTE: Do not install the Center Guide at this time. (See Step 12)



PRE-ASSEMBLE THE HEADER:

STEP 7. Slide the inner stops into the bottom channel in the header with the square end facing the wall end of the header.
Slide the outer stops in the top channel of the header near each end of the header.
DO NOT TIGHTEN THE SCREWS FOR STOPS AT THIS TIME.

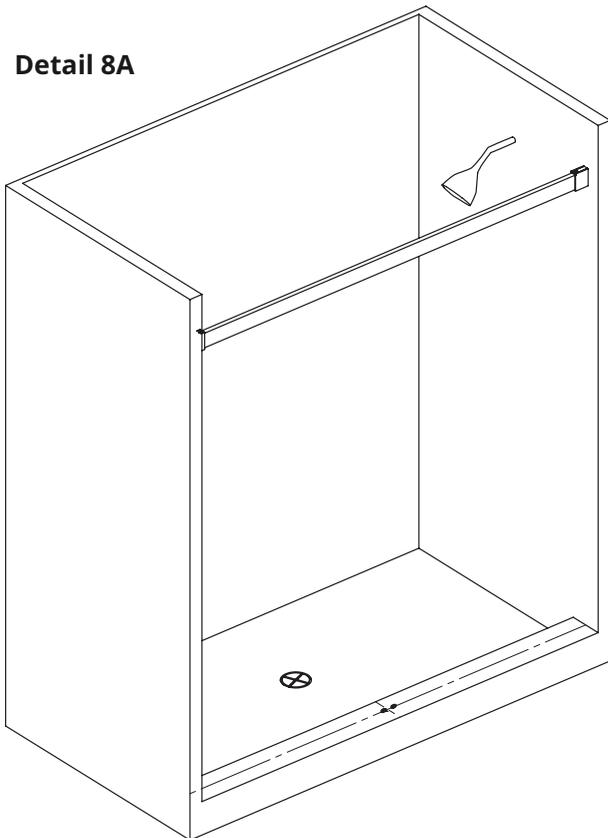
Detail 7A
Shows inside
of the Header



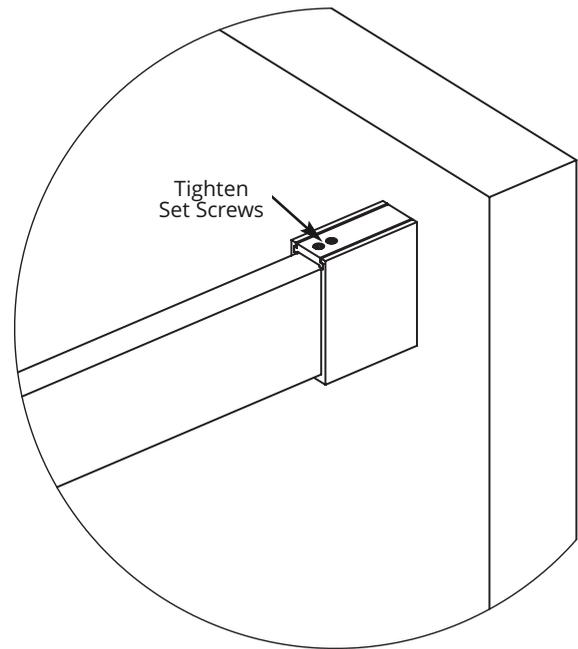
INSTALL THE HEADER

STEP 8. Install the header in the wall brackets, insert the bracket covers and tighten the set screws. Be sure the header rest firmly on the bottom of the bracket and that it is exactly level.

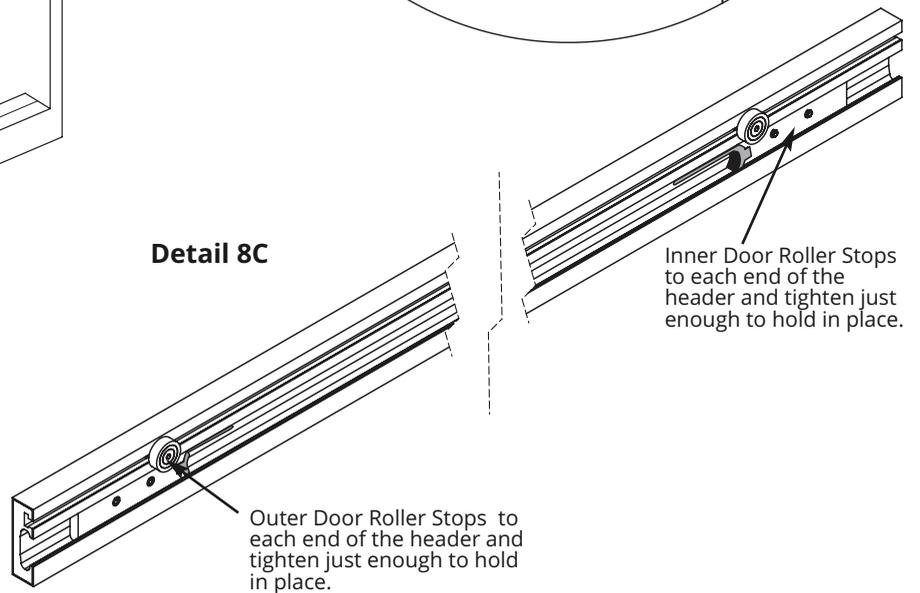
Detail 8A



Detail 8B



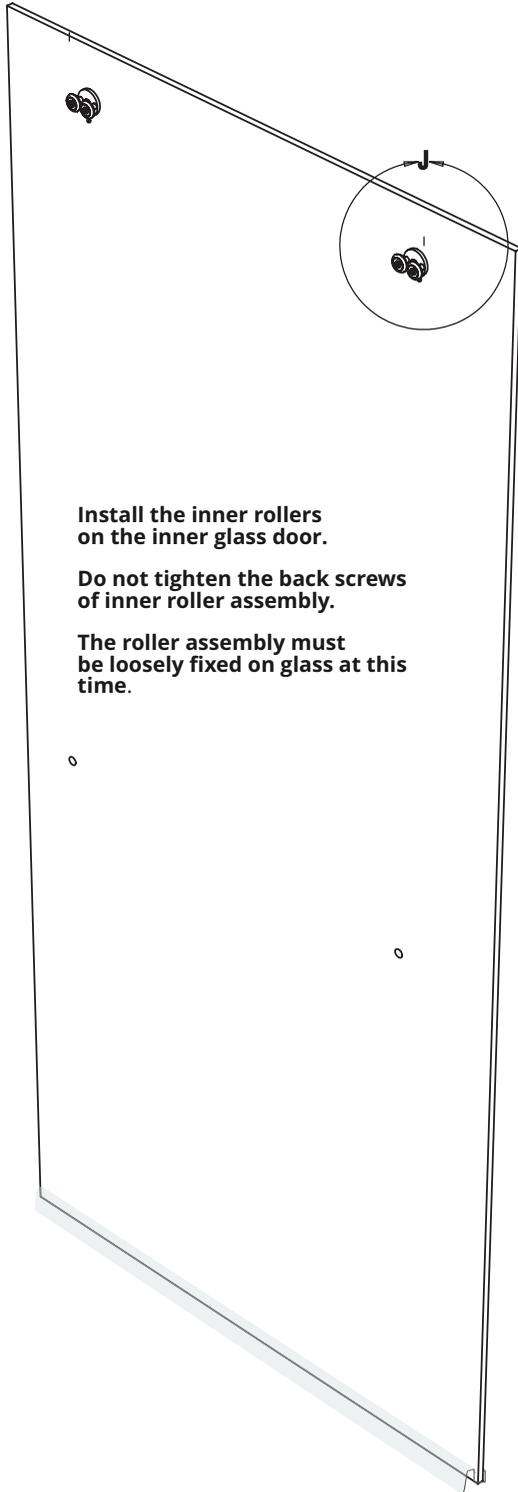
Detail 8C



PRE-ASSEMBLE THE INNER DOOR:
(Note: the Inner Glass Door has an identifying label.)

STEP 9. Install both of the inner glass door Roller Assemblies on the door. The each assembly has twin rollers that face out. Do not tighten the back screws on the assembly. The rollers must sit tight on the glass but the back screw must only be hand tight.

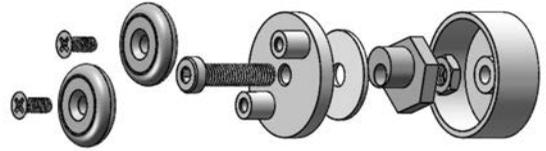
Detail 9A



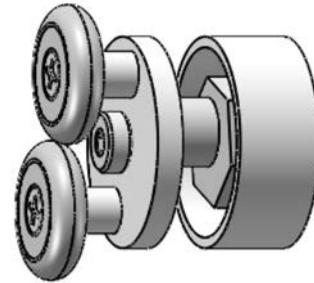
Install the inner rollers on the inner glass door.
Do not tighten the back screws of inner roller assembly.
The roller assembly must be loosely fixed on glass at this time.

Inside view of optional Poly Splash Guard as installed before the door is hung from the header.

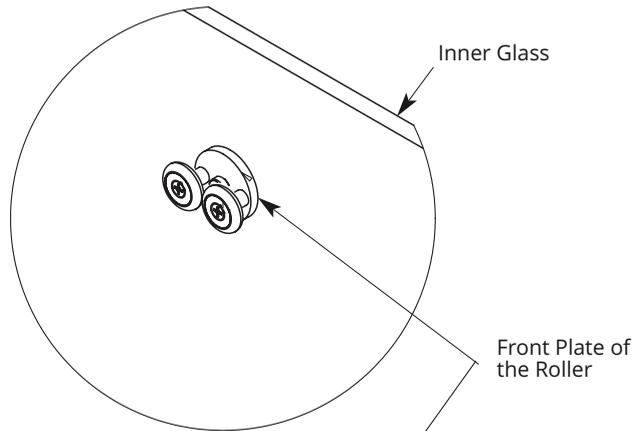
Detail 9B -- Inner Roller Assembly (Exploded View)



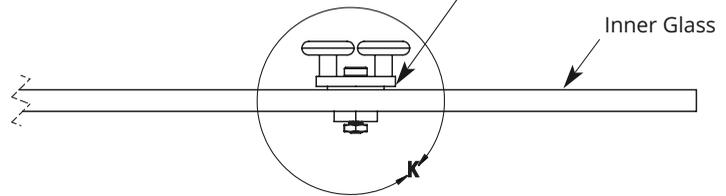
Detail 9C -- Inner Roller Assembly (as supplied assembled)



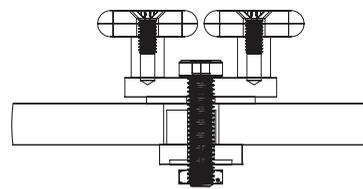
Detail 9D



Detail 9C -- Top View



Detail 9D -- Section View



Do not tighten the back screws of inner roller assembly.

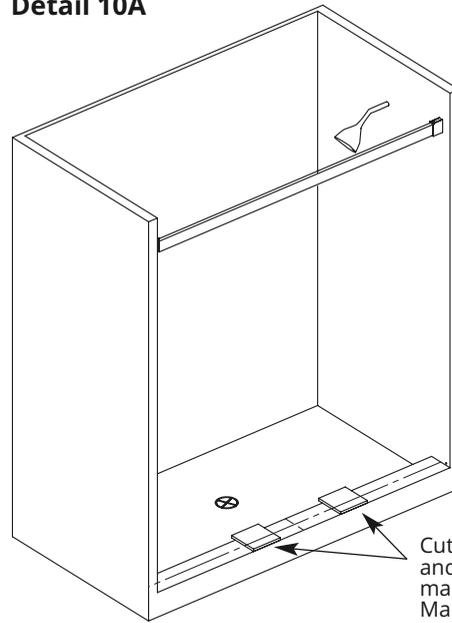
The roller assembly must be loosely fixed on glass at this time.

INSTALL THE INNER DOOR:

STEP 10. Create two cushioning blocks for the inner door installation. Use the cardboard from the box and cut, tape and assemble two 6" x 6" blocks approximately 3/8" thick.

STEP 11. The inner door is installed from the inside with the twin rollers facing out. Lift the door over the curb and angle it to the inside. Working from each side of the door lift and tip it (about 15 to 25 degree angle is necessary) so that the rollers on both sides of the door move up and into the designated channel. As you lower the door into the header move the position to vertical and rest on the cushioning blocks on the curb. Tighten the back screws of the rollers with the wrench supplied. Remove the cushion blocks.

Detail 10A

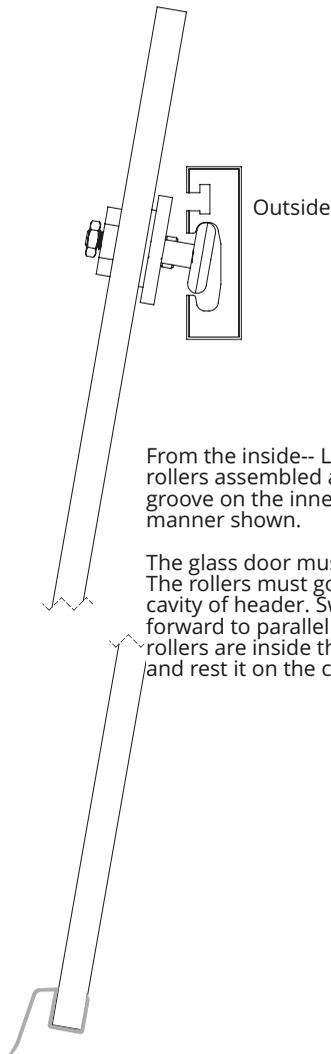


Set two blocks 3/8" thick (not provided) on curb top (as shown). Use the cardboard from the boxes that glass was shipped in for the blocking.

Cut 4 strips of cardboard 6"x 6" and tape 2 of them together making 3/8" thick 6" x 6" blocks. Make 2 blocks out of 4 strips.

Move the inside stops to the ends of the header and temporarily snug them in place to prevent the Glass from hitting the wall during installation. Final stop adjustment is done in step 18.

Detail 11A



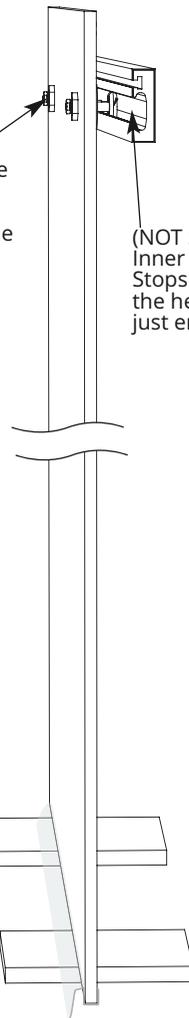
Outside

When the glass door is resting on the blocking and rollers are inside the header use the Roller Wrench to tighten the screws on the back of the rollers.

From the inside-- Lift the inner door with rollers assembled and set the rollers inside the groove on the inner side of the header in the manner shown.

The glass door must be angled - 15-25 degrees. The rollers must go in and up into the upper cavity of header. Swing the bottom of glass forward to parallel it with header until both rollers are inside the groove bring the glass and rest it on the cushion blocks on the curb.

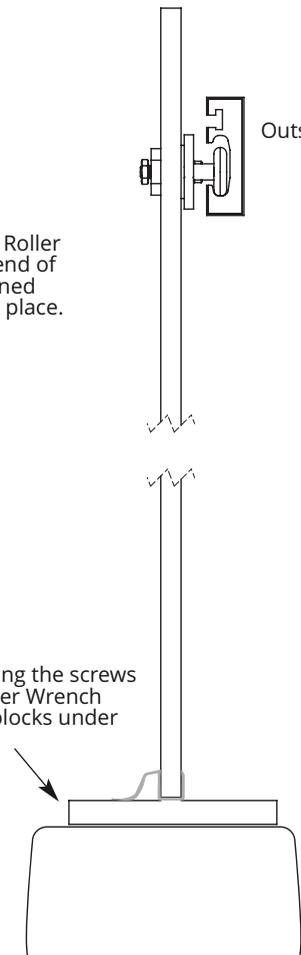
Detail 11B



Outside

(NOT SHOW HERE) Inner and Outer Door Roller Stops must be in the end of the header and tightened just enough to hold in place.

Detail 11C



Outside

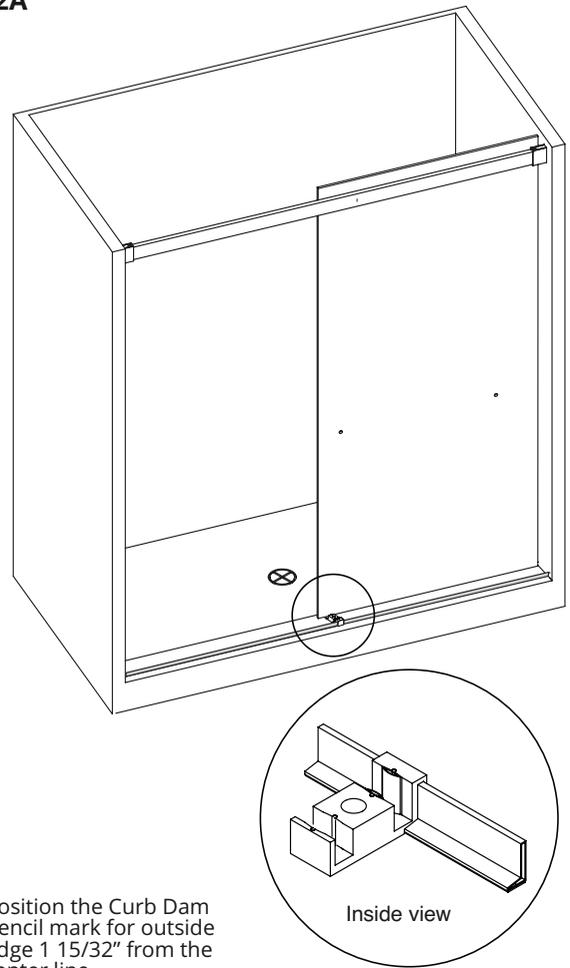
After tightening the screws with the Roller Wrench remove the blocks under the doors.

STEP 12. Measure to Position the Curb Dam

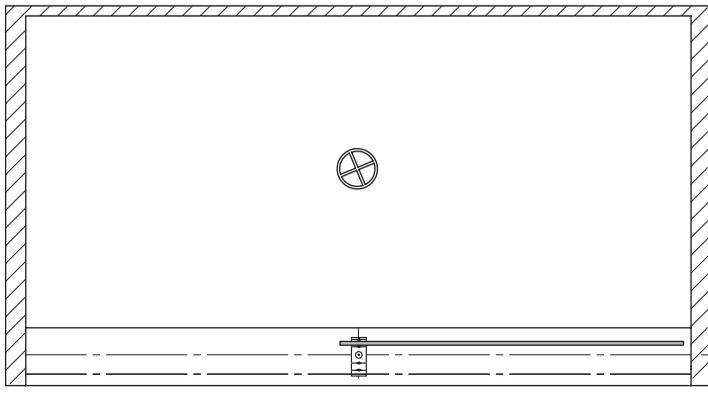
Assemble the Curb Dam (as cut to size) with the Center Guide. Slide the Center Guide under the Inner door. (Be sure to align the Center Guide with the mark for the screw hole). Be sure to use the marked position of the Curb Dam following the pencil lines at each end on the wall and across the outside edge of the base. Tape into temporary position. Test the Inner door for smooth movement holding the Center Guide in position.

STEP 13. Lift out the Center Guide and Curb Damp, tilt the door slightly to the inside to protect the glass and drill the hole for the Center Guide. Insert a small amount of silicone and the Anchor. Wipe the base clean of all debris. Clean surface with denatured alcohol (Do Not remove the pencil marks for the outside of the Curb Dam.)

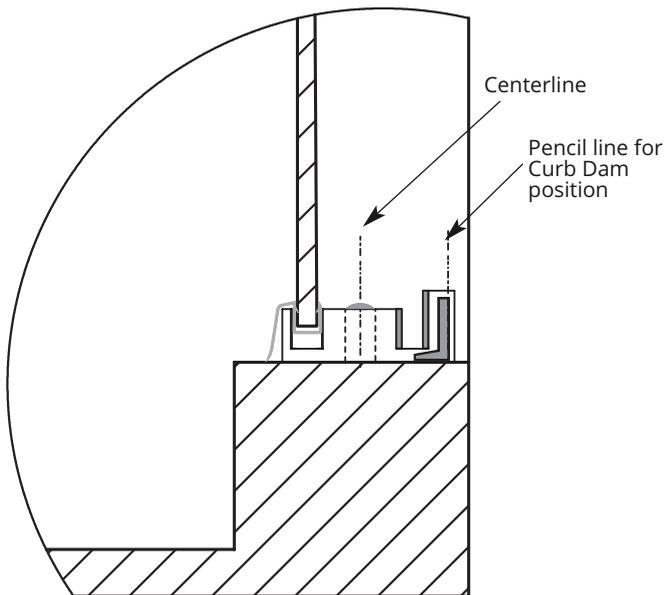
Detail 12A



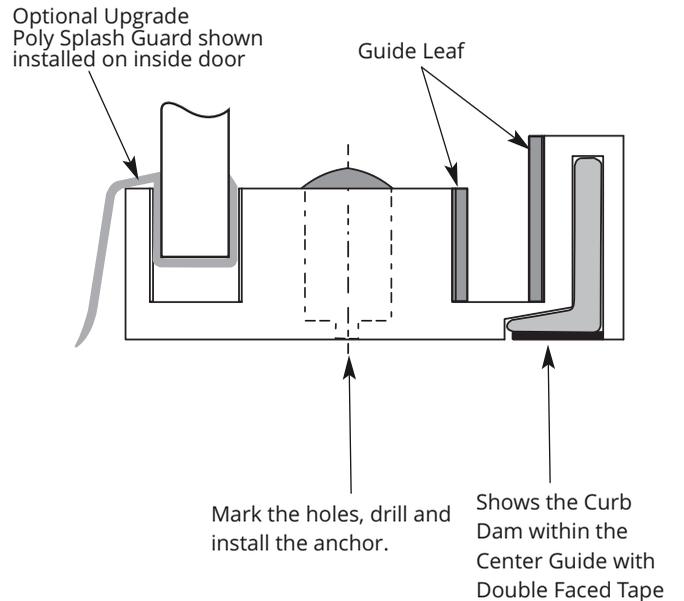
Detail 12B— Top view



Detail 12C— Section View



Detail 12D — Center Guide Detail

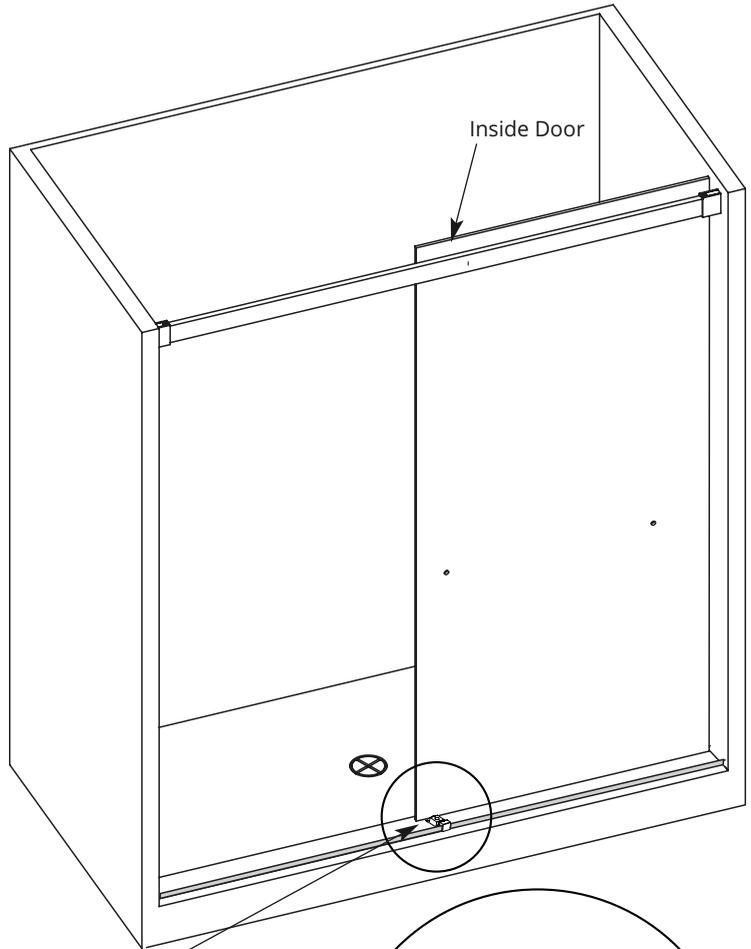


STEP 14. Turn the Curb Dam over. Remove the film covering the double faced tape. Carefully align one end of the Curb Dam to the pencil marks on the wall and lower it into place to align with the pencil marks on the curb. Fit the Center Guide into place over the screw hole by sliding it over the Curb Dam and under the Inside Door.

Retest the movement of the Door, side to side through the Center Guide. Screw the Center Guide into place and press the Curb Dam firmly into place.

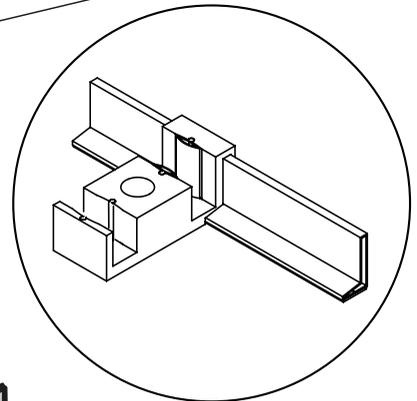
Screw the Center Guide into position with the flathead screw provided and replace the plastic cover for the screw location.

Detail 14A



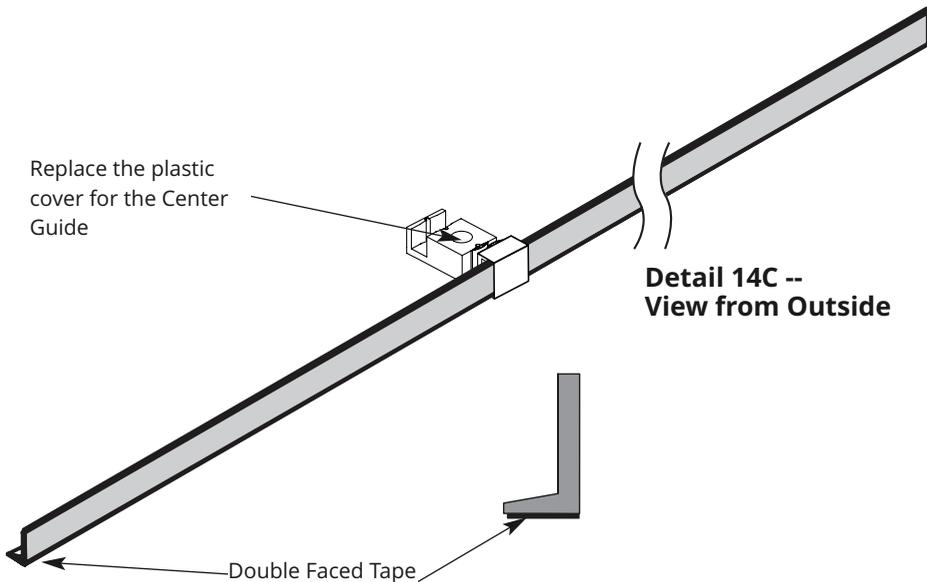
Slide the Center Guide under the Inside Door and over the Curb Dam into position over the drilled hole. Screw into place with the Flathead Screws provided.

**Detail 14B --
View from Inside**



Replace the plastic cover for the Center Guide

**Detail 14C --
View from Outside**



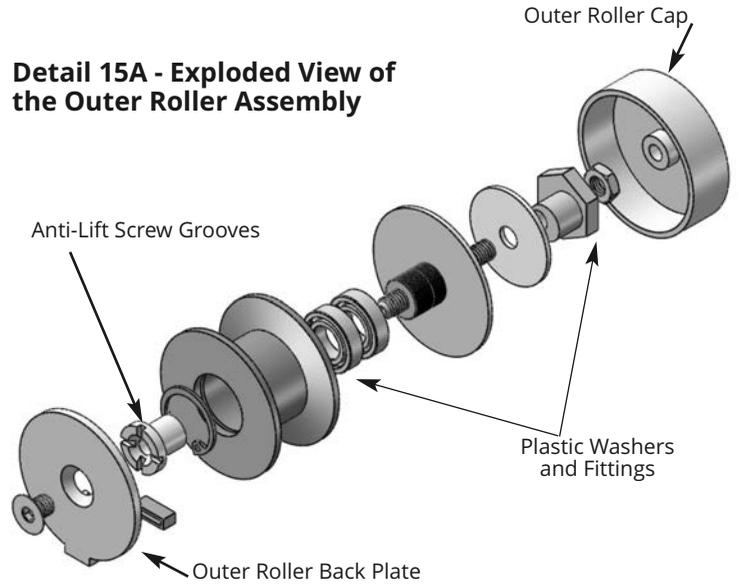
INSTALL THE OUTER DOOR:

(Note: the Outer Glass Door has an identifying label.)

STEP 15. Install the Outer Roller assemblies in the predrilled holes in the outer glass door.

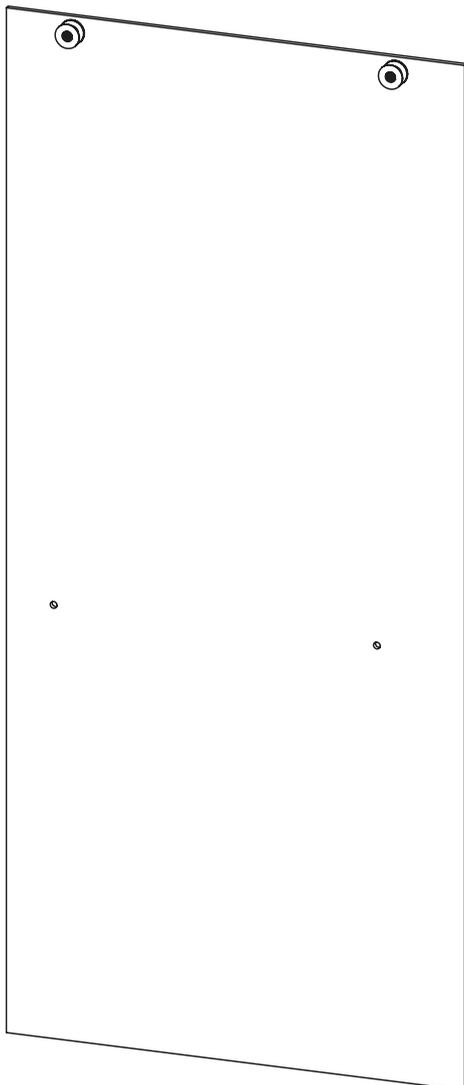
- The Roller assemblies go on the inside of the door.
 - Be sure to use the plastic washers fittings as supplied in the assembled Rollers to protect the glass from metal elements.
 - Tighten the Roller into position from the outside of the door. **Do not overtighten** as the final adjustment of the door operation may be required.
 - **BE SURE THAT THE "ANTI-LIFT" SCREW GROOVES IN THE CENTER OF THE ROLLER -- AS VIEWED FROM THE INSIDE-- ARE PERPENDICULAR TO THE EDGE OF THE GLASS.**
- (See Detail 15C)

Detail 15A - Exploded View of the Outer Roller Assembly

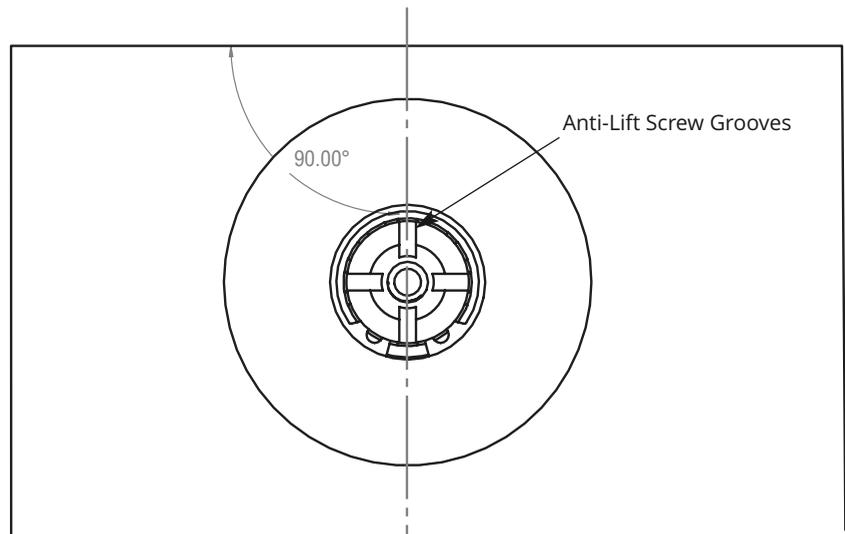


- **Do not install the Outer Roller Cap** or the Outer Roller Back Plate and screw until after the doors are finally adjusted.

Detail 15B



Detail 15C As viewed from the inside of the door

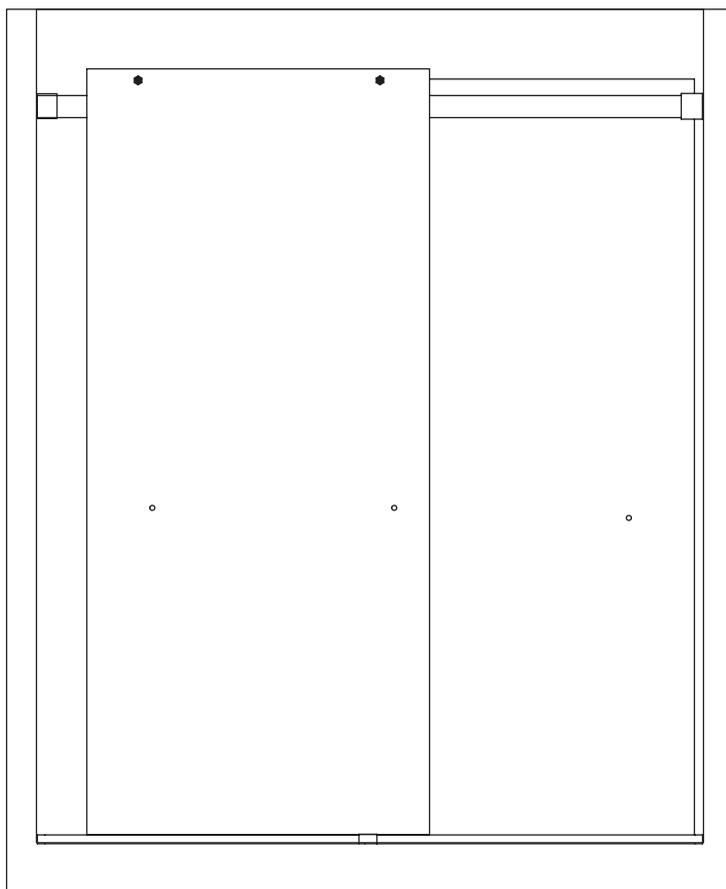


BE SURE THAT THE "ANTI-LIFT" SCREW GROOVES IN THE CENTER OF THE ROLLER -- AS VIEWED FROM THE INSIDE-- ARE PERPENDICULAR TO THE EDGE OF THE GLASS.

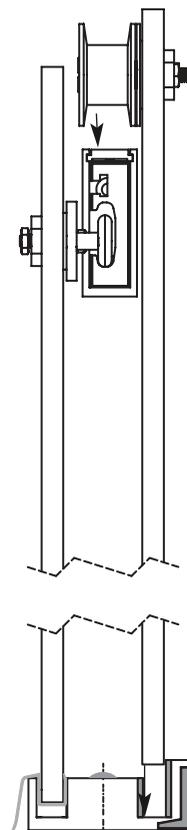
Do not install the Outer Roller Cap or the Outer Roller Back Plate and screw until after the doors are finally adjusted.

STEP 16. Lift the door straight up and lower it into position with the Roller on the header with the bottom edge of the glass inside the guide on the curb. Test the movement left to right to be sure the doors move freely and are not scraping on the bottom guide.

Detail 16A -- Front View



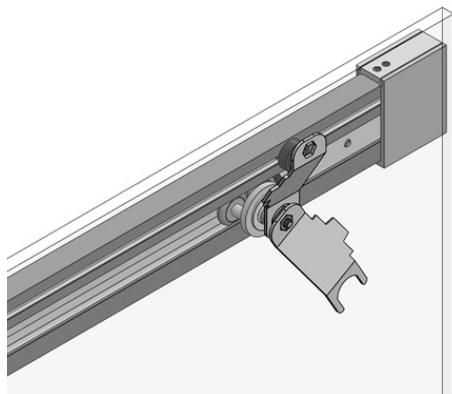
Detail 16B -- Side View



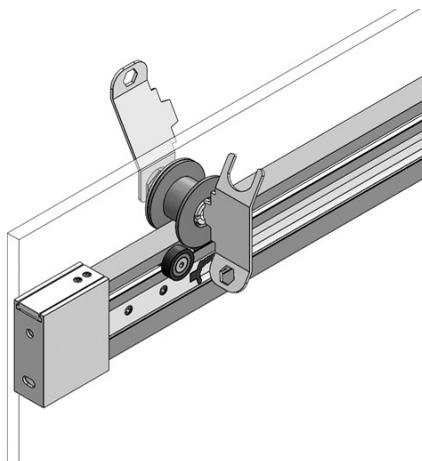
Lift the door straight up and lower it into position with the Roller on the header with the bottom edge of the glass inside the center guide on the curb.

Adjust the doors using the roller adjustment wrenches, as supplied, as shown in the illustrations **Detail 16C** for the inside door rollers and **Detail 16D** for the outside door rollers. After they are adjusted for smooth operation tighten the inner door roller screws and place the Inner Roller Cap **Detail 16E** over each Inner Roller. Fix the Inner Roller Cap in place with the set screw. Install the Outer Roller Cap **Detail 16F** and the Outer Roller Back Plate as shown in the Illustrations. Fix the Outer Roller Caps and Back Plates in place with the set screws.

Detail 16C

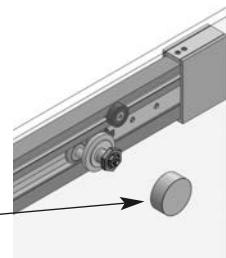


Detail 16D



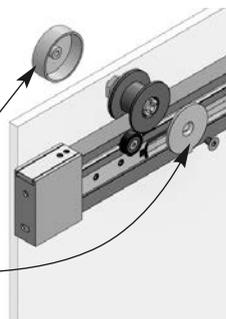
Detail 16E

Install the Inner Roller cap



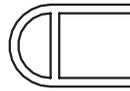
Detail 16F

Install the Outer Roller Cap and the Back Plate



STEP 17. Install the "A" Vinyls on the wall side of each door. The "A" Vinyls are supplied oversized and should be measured against the glass and cut to size. An "H" Vinyl is also supplied to be installed on the inside edge of the Inner door to be used only if the shower sprays into the gap between the doors.

Detail 17A -- "A" Vinyl

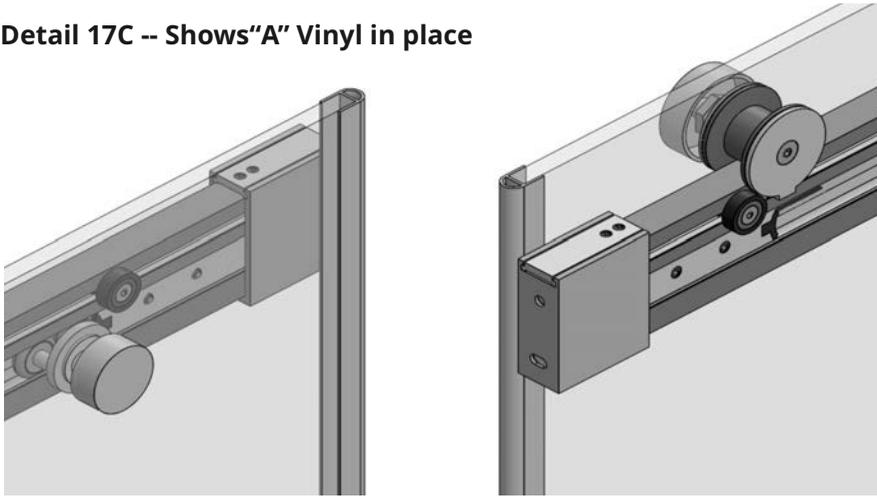


Detail 17B -- "H" Vinyl

Only use if needed as a splash guard between the doors



Detail 17C -- Shows "A" Vinyl in place

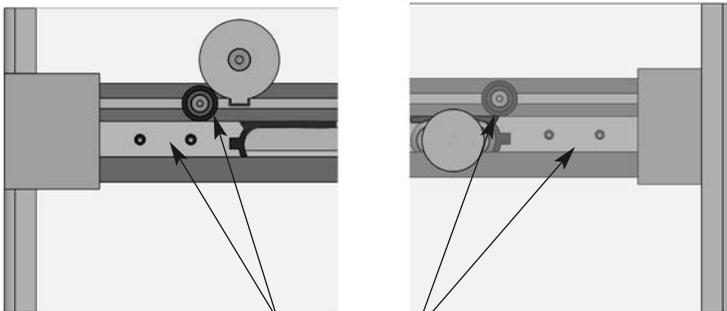


**RECOMMENDED UPGRADE:
Poly Bottom Splash Guard**

(See pages 7 & 9)
INSTALL THE OPTIONAL SPLASH GUARD IN STEP 9. This splash guard goes on the inside door.

STEP 18. Adjust the Door Stops: Working from the inside of the shower, bring both doors to the closed position where the Vinyls are touching the walls on both sides. Move the Inner and Outer Stops into the desired positions where the "A" Vinyls are just slightly compressed. Tighten the screws for the door stops for this closed position.

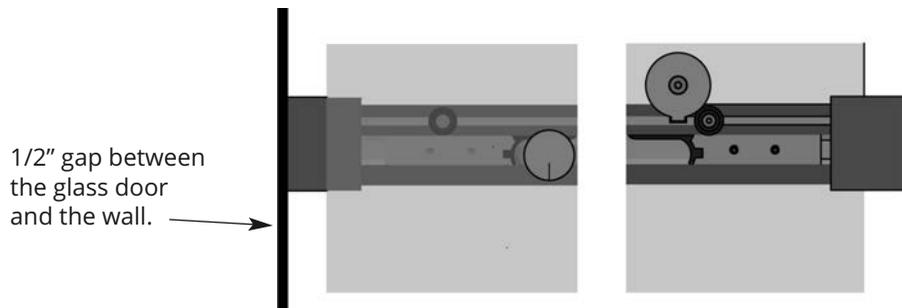
Detail 18A — Shows Doors in closed Position



Vinyls should be touching the wall.

Move the outer edge Stops to this position and tighten in place.

Detail 18B -- Shows Doors fully open with 1/2" gap to the wall



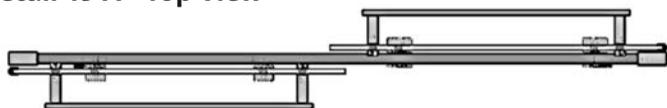
1/2" gap between the glass door and the wall.

Tighten both Inner and Outer Door Stops on both doors at this position at the ends of the Header in to prevent the glass doors from hitting the wall.

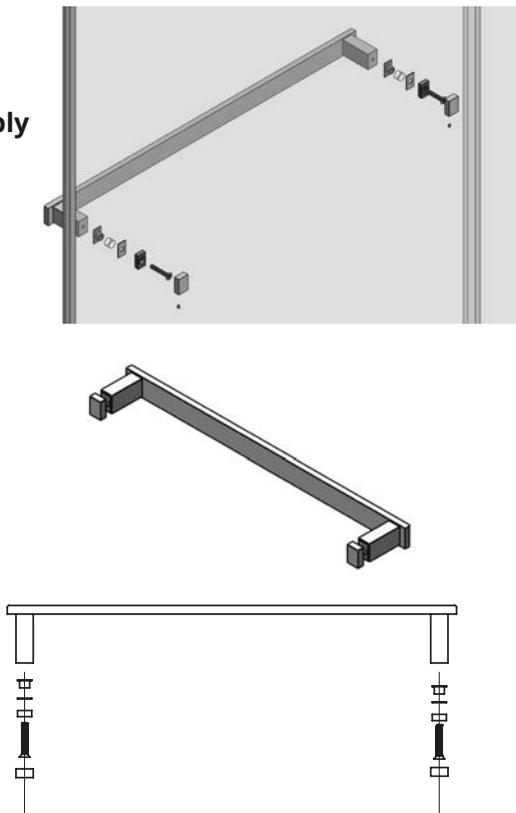
Carefully move the doors to the opposite ends of the header, leave **1/2" to 1" gap** between this position and the wall and tighten the second set of stops at this end of the header for both doors.

STEP 19. Install the Towel Bar Assembly (See Detail 19B) on both the inside and outside of each door as shown in the top view below (Detail 19A).

Detail 19 A-- Top View



Detail 19B-- Parts assembly



EQUALIS Series™ Models

Catalog Number PSS - Polished Stainless Steel
 BSS - Brushed Stainless Steel
 CHA - Polished Chrome Anodized
 IBK - Black Iron
 ORB - Oil Rubbed Bronze

Shower Enclosures

	Metal Finish.
DS-48T-38	PSS
DS-48T-38	BSS
DS-48T-38	CHA
DS-48T-38	IBK
DS-48T-38	ORB
DS-54T-38	BSS
DS-54T-38	PSS
DS-54T-38	CHA
DS-54T-38	IBK
DS-54T-38	ORB
DS-60T-38	PSS
DS-60T-38	BSS
DS-60T-38	CHA
DS-60T-38	IBK
DS-60T-38	ORB
DS-66T-38	PSS
DS-66T-38	BSS
DS-66T-38	CHA
DS-66T-38	IBK
DS-66T-38	ORB

Tub Enclosures

	Metal Finish.
DT-60T-38	PSS
DT-60T-38	BSS
DT-60T-38	CHA
DT-60T-38	IBK
DS-60T-38	ORB
DT-66T-38	PSS
DT-66T-38	BSS
DT-66T-38	CHA
DT-66T-38	IBK
DS-66T-38	ORB

CLEANING INSTRUCTIONS:

Never use scouring powder, pads or sharp instruments on metal work or glass panels. We recommends the use of a squeegee after each shower to eliminate the water spots on the inside of the glass panels. An occasional wiping down on the glass panels and metal parts with a mild detergent , diluted in water, is all that is need to keep your shower/tub enclosure looking brand new.

Cleaning Recommendations:

Never use abrasive cleaners or cleaners containing ammonia. This may cause chemical damage .

For cleaning, we recommend using ammonia free Sprayway brand glass cleaner, which is available at a variety of retail outlets.

www.spraywayinc.com/content/glass-cleaner



NOTES:

Model Number... _____

Dealer _____

Job Log # _____



GLASSCRAFTERS, INC
 193 Veterans Blvd., Carlstadt, NJ 07072

1+(888) 683-1362 — (F) (201) 525-1117
sales@glasscraftersinc.com