

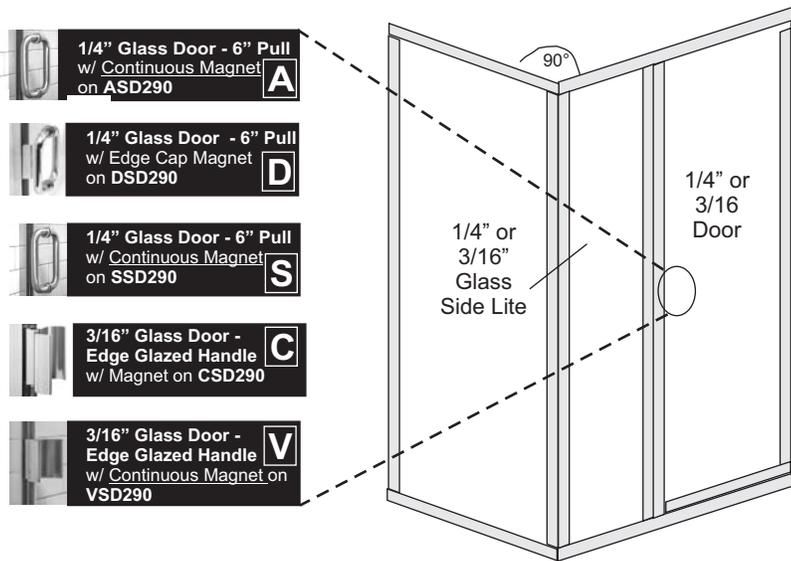
Installation Instructions for

1/4" Door Models: **ASD290**
 1/4" Semi-Frameless Patch Hinge Swing Door with 1 - 180° and 1 - 90° - 1/4" Panels 290°

1/4" Door Models: **SSD290** or **DSD290**
 1/4" Semi-Frameless Continuous Hinge Swing Door with 1 - 180° and 1 - 90° - 3/16" Panels 290°

3/16" Door Models: **VSD290** or **CSD290**
 3/16" Semi-Frameless Swing Door with 1 - 180° and 1 - 90° - 3/16" Panels 290°

**See
Page
2**



Custom Buttress and Notched Panel

Installation Instructions are one Page 21-22 of this manual.

**Unit is reversible. It can hinge left or hinge right off either wall or off the post.

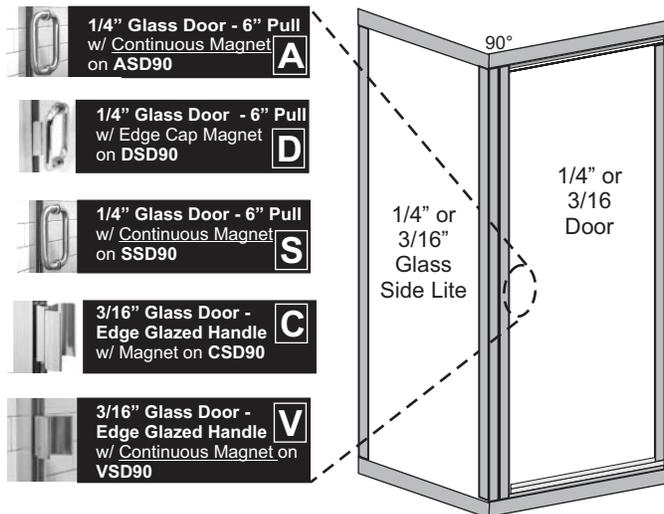
Installation Instructions for

1/4" Door Models: **ASD90**
 1/4" Semi-Frameless Patch Hinge Swing Door with 1/4" 90° Panel

1/4" Door Models: **SSD90** or **DSD90**
 1/4" Semi-Frameless Continuous Hinge Swing Door with 3/16" 90° Panel

3/16" Door Models: **VSD90** or **CSD90**
 3/16" Semi-Frameless Continuous Hinge Swing Door with 3/16" 90° Panel

**See
Page
15**



Custom Buttress and Notched Panel

Installation Instructions are one Page 23 of this manual.

**Unit is reversible. It can hinge left or hinge right off either wall or off the post.



P/N MM.5035
 rev20260303

This installation sheet is a required component in Parts Bag BP.3128



WARNING: Failure to read the Safety, Proper Use, and Installation Disclaimer on the back page may result in injury or property damage and voided warranty.



WARNING:

Installation Instructions for

1/4" Door Models: **ASD290**

1/4" Semi-Frameless Patch Hinge Swing Door with 1 - 180° and 1 - 90° - 1/4" Panels 290°

1/4" Door Models: **SSD290 or DSD290**

1/4" Semi-Frameless Continuous Hinge Swing Door with 1 - 180° and 1 - 90° - 3/16" Panels 290°

3/16" Door Models: **VSD290 or CSD290**

3/16" Semi-Frameless Swing Door with 1 - 180° and 1 - 90° - 3/16" Panels 290°

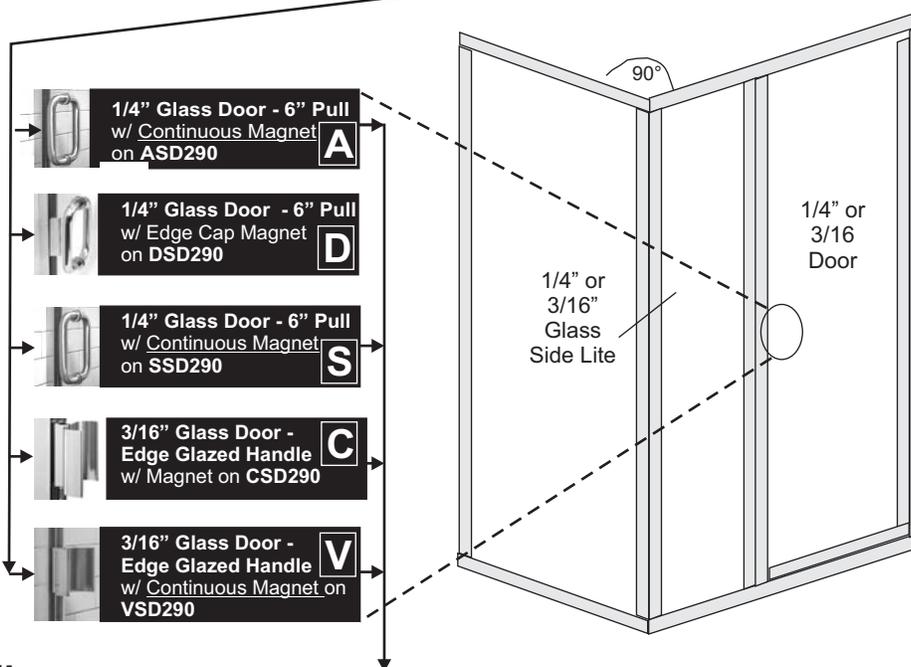
WARNING: Failure to read the Safety, Proper Use, and Installation Disclaimer on the back page may result in injury or property damage and voided warranty. **WARNING:**

FIRST STEPS - Identify the door width and model number of your unit.

- Look on the white shipping label on the outer cardboard box.
- **Door width** is annotated as DW or DWX on the label

DW or DWX =

- **Model number** on label should correspond to one listed above. Or look below and identify by handle type and glass thickness



Custom Buttress and Notched Panel
Installation Instructions are one Page 21-22 of this manual.

Unit is Reversible
It can hinge left or hinge right off either wall or off the post. Inline panel can be installed at the wall or adjacent to the 90° post.

FILL box with this letter **SD290**
Swing Door w/180 & 90° Panels

* Please see pages 14 or 15 if your units has a step up, butt jointed or notched panels

Required Tools

* Pencil or water soluble felt pen



* Hacksaw with 24 tooth blade



* Metal file (smooth sharp edges)



* Tape measure



* Clear 100% Silicone (recommended)



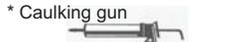
* #2 Phillips Screw driver



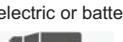
* 3/16" drill bit carbide for tile



* #32 Wire Gauge drill bit



* Caulking gun



* Drill, electric or battery



* 4 ft. Level



* Rubber mallet



* Razor knife



* Blue painters tape

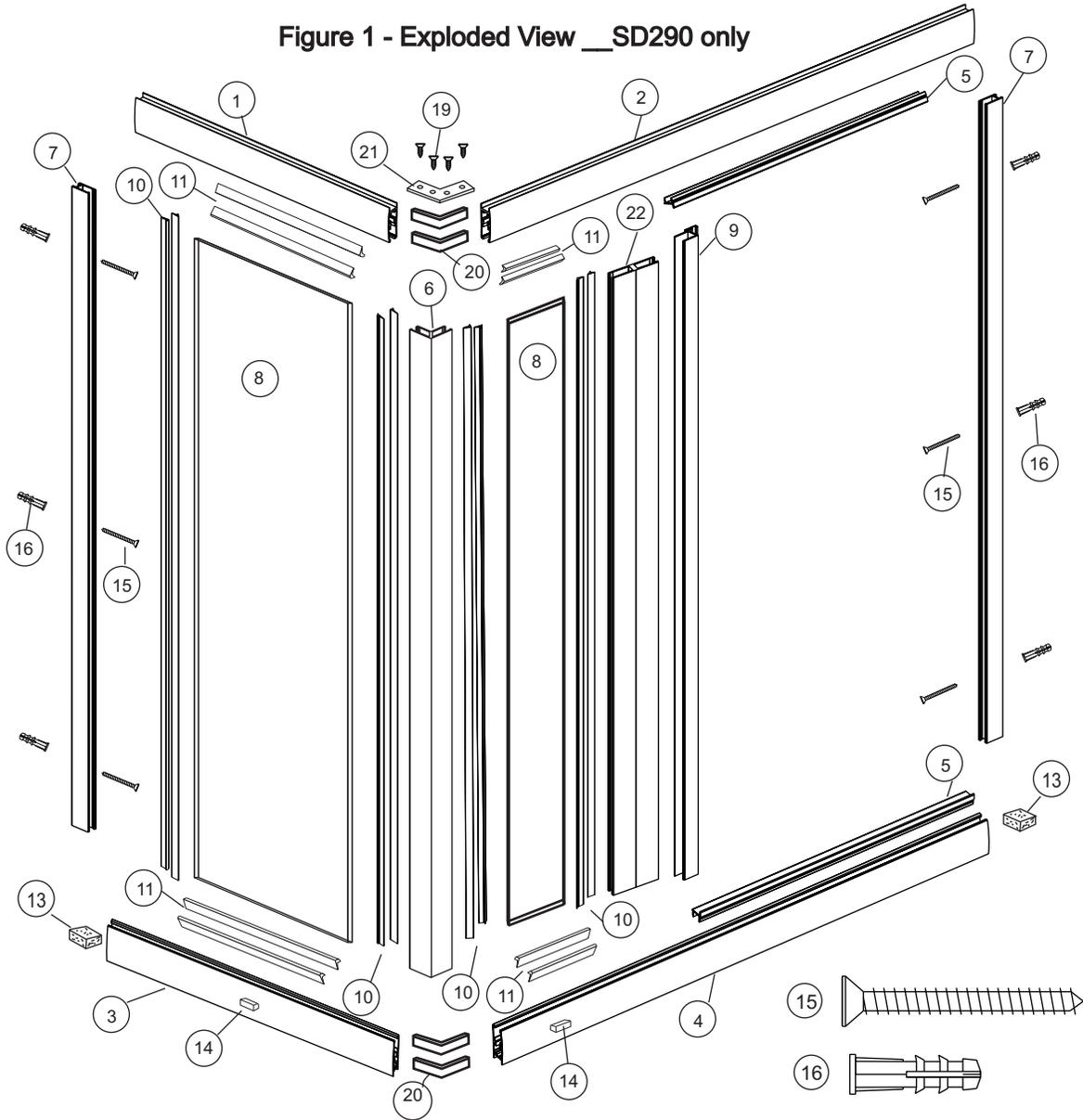


P/N MM.5035
rev20260225

Parts List and Exploded View

SD290 (parts are common for all "90" units)

Figure 1 - Exploded View __SD290 only

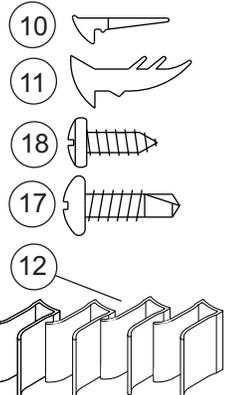


Parts List

ITEM	PART #	DESCRIPTION	QTY VS290
1	Ex.1171	Stall Header Left Section	1
2	EX.1171	Stall Header Right Section	1
3	EX.1271	Stall Curb Left Section	1
4	EX.1271	Stall Curb Right Section	1
5	EX.1072	Header / Curb Filler	2
6	EX.1174	90° Post	1
7	EX.1268	Jamb Filler / Wall Channel	2
8	GLASS	1/4" or 3/16" Glass Side Lite Panel	2
9	EX.1005 or ES.1193	ASD Latch Jamb SSD,DSD, VSD and CSD Latch Jamb	1
10	VN.4031	Snap-Vertical Vinyl for 3/16" glass only (see page 7 for instructions/parts)	8
11	VN.4026 (3/16") or VN.4028 (1/4")	Header / Curb Vinyl (see page 13 for instructions/parts)	8

ITEM	PART #	DESCRIPTION	QTY VS290
12	BP.3206	1/4" Centering Clips Bag (for 1/4" glass sidelites only)	2
13	BP.3104	Foam Curb Plugs	2
14	BP.3104	Setting Blocks	2
15	BP.3104	#8 X 1-1/2 FHPHSMS	6
16	BP.3104	3/16 Wall Anchors	6
17	BP.3104	#8 X 1/2 PHPH TEK	6
18	BP.3104	# 6 X 3/8 PHPHSMS	6
19	BP.3104	#6 X 3/8 FHPHSMS	4
20	BP.3104	3/8" Header / Curb Clips	4
21	BP.3104	Header Plate	1
22	EX.1173	180° Post	1

Extra screws may be provided for your convenience



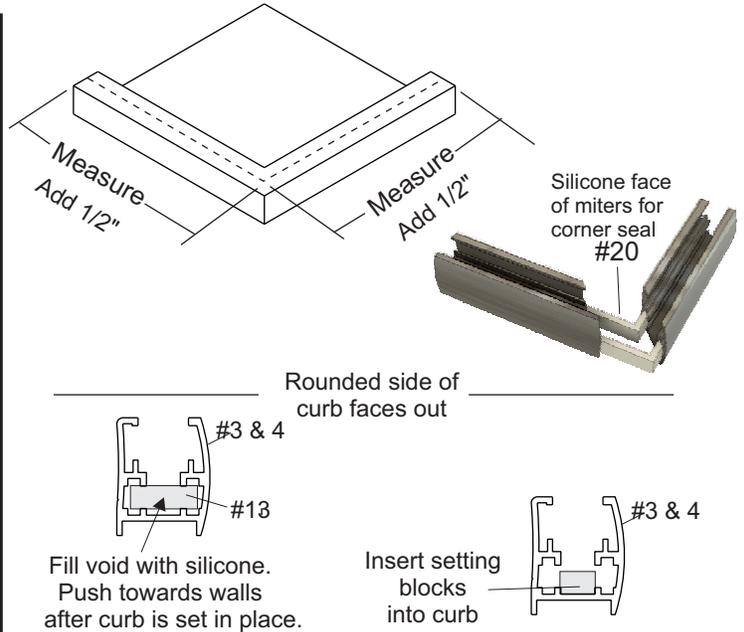
Installation Instructions

 SD290

Page 4

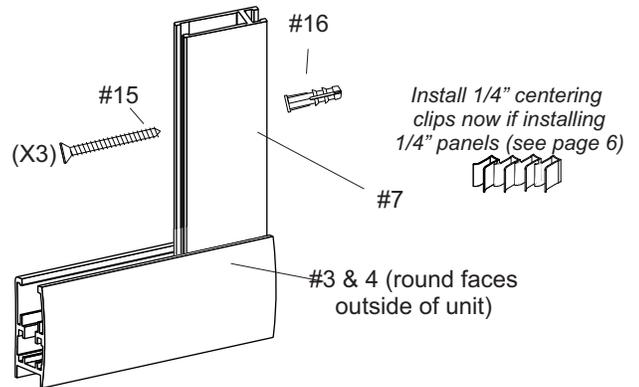
STEP 1 - INSTALL CURB SECTION

- * Draw a pencil line down the center of each leg of the threshold.
- * Measure from each wall to where the lines intersect. Add 1/2" to each of these dimensions and cut each Stall Curb to this dimension measuring from the mitered end and cut off the square cut end. (ITEM #3 & 4)
- * Insert foam plugs (ITEM #13) into each end of the Stall Curbs and recess 1/8". Fill 1/8" void with silicone.
- * Insert two setting blocks (ITEM #14) in the curb sections where each side lite panel will sit.
- * insert 2 Curb Clips (ITEM #20) into the curbs and run a bead of silicone on the face of the two miters to seal the corner.
- * Set the curb in place centered over where you measured, secure with painter's tape.
- * Verify weep holes are oriented to the inside of shower.
- * Do not screw the curb to threshold.



STEP 2 - WALL CHANNEL

- * Insert Wall Channel (ITEM #7) into curb, and against the wall on the 90° panel side. Plumb channel with a level.
- * Mark the hole locations onto the wall. Remove the channel.
- * Drill marked locations with 3/16" drill bit
- * Insert 3 Wall Anchors (ITEM #16).
- * Re-insert channel and secure with 3 screws (ITEM #15).
- * Repeat above step with second wall channel on the opposite wall.



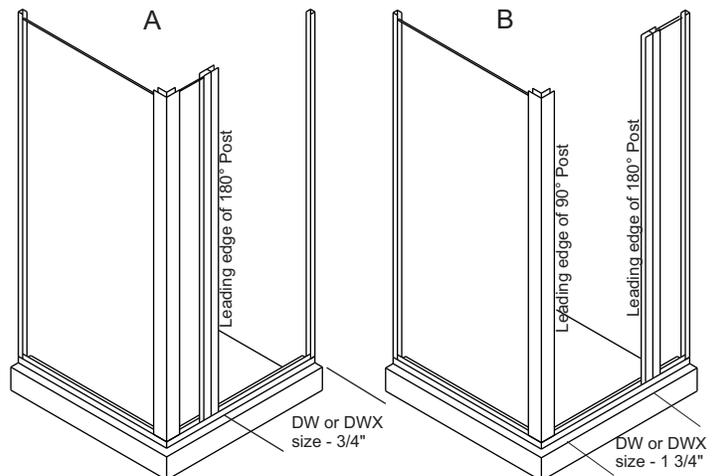
STEP 3 - 1/4" or 3/16" FIXED SIDELITE PANELS:

THOROUGHLY REVIEW STEP 8 ON PAGE 6 BEFORE CONTINUING

- * If setting 1/4" panels, insert centering clips as shown on page 6
- * Set the 90° 3/16" Glass Panel (ITEM #8) into Curb and Wall Channel.
- * NOTE: If patterned or frosted glass is used, ensure that the rough side faces outward.
- * Insert the 90° Post (ITEM #6) into the Stall Curb and over the edge of the Side Lite Panel
- * Temporarily hold the post and glass in place with painter's tape to hold panel into the channels or by inserting Snap Vinyl (for 3/16" panel) between glass and channel. Do not cut the vinyl at this time.
- * Set 180° Glass Panel (ITEM #8) into Curb and Wall Channel.
- * Insert the 180° Post (ITEM #22) into the Stall Curb and over the edge of the Side Lite Panel.
- * Subtract 3/4" from DW or DWX length. Please note B detail if it applies.
- * Mark this dimension onto the Stall Curb measuring from the door side wall.
- * Move the leading edge of the 180° Post to this mark.
- * Temporarily hold the post and glass in place with painter's tape to hold panel into the channels or by inserting Snap Vinyl (for 3/16" panel) between glass and channel. Do not cut the vinyl

DW or DWX =  from pg 1

Install 1/4" centering clips now if installing 1/4" panels (see page 6) 



Installation Instructions

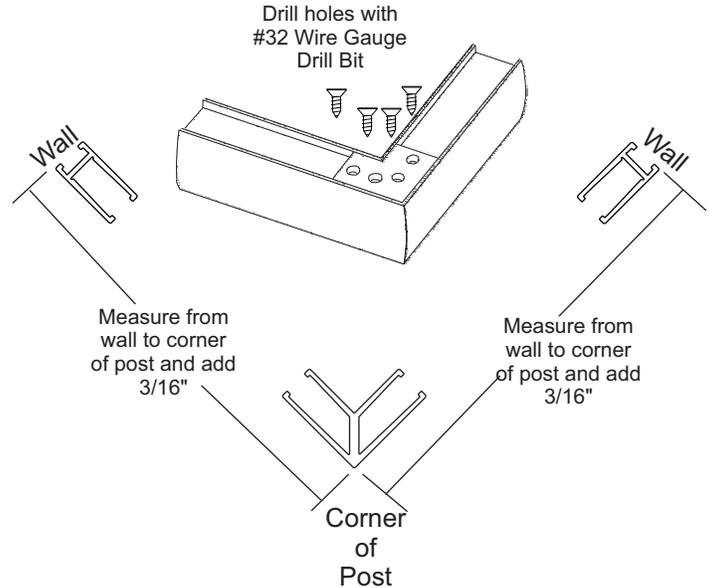


SD290

Page 5

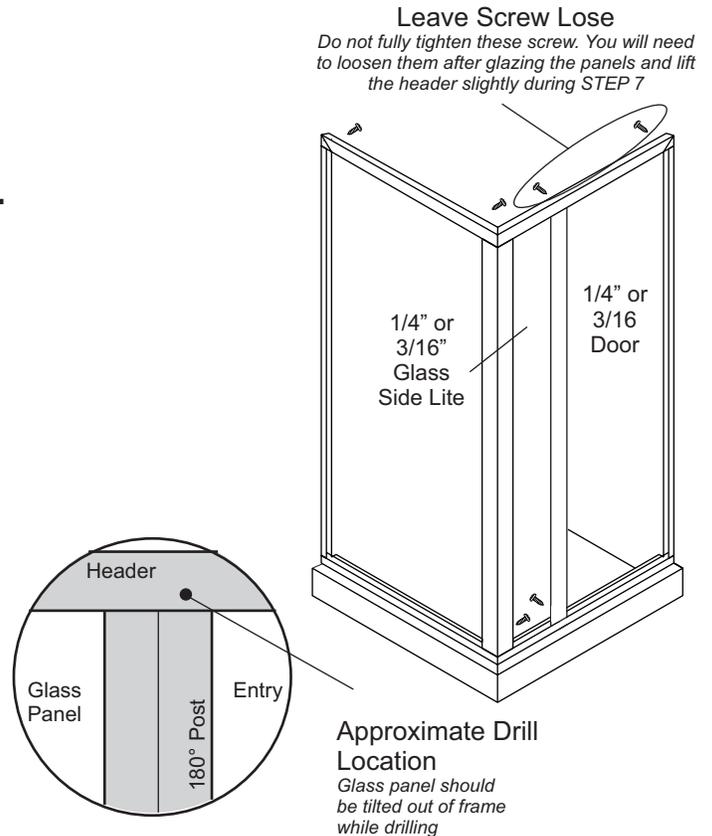
STEP 4 - INSTALL HEADER

- * Using a level, plumb the 90° Post in both directions.
- * Measure from each wall to the outside corner of the 90° Post at the top of the vertical posts.
- * Add 3/16" to each dimension. Cut Stall Headers (ITEM #1 & 2) to length.
- * Set headers down and Insert 2 - Header Clips (ITEM #20) into the headers. Apply the header plate, (ITEM # 21).
- * Holding the header miters and plate together, mark the holes of the Plate onto the headers.
- * Drill through the headers with a #32 wire gauge drill bit. Secure with 4 - #6 X 3/8 FHPHSMS (ITEM #19).
- * Set header over the top of the vertical posts. Verify that the miter in the stall curb has not separated. And that the bottom of the 180° Post has not moved from it's mark on the curb.



STEP 5 - SECURE THE HEADER

- * From the inside of the shower, attach the header by drilling through the header into the each vertical Post with a #32 wire gauge drill bit. The glass panel should be tilted out of the way while drilling holes.
- * Secure header with 4 - #6 X 3/8 PHPHSMS (ITEM #18)
- * Leave Circled Screws Lose on Door Section - Do not fully tighten these screw. You will need to back them out after glazing the panels and lift the header slightly during STEP 8
- * Secure bottoms of the vertical post by drilling through the curb, into the posts with #32 wire gauge drill bit.
- * Secure curb with 2 - #6 X 3/8 PHPHSMS (ITEM #18)



Installation Instructions

SD290

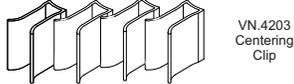
STEP 6 - GLAZE FIXED SIDELITE PANELS

THERE ARE DIFFERENT PARTS AND GLAZING METHODS FOR 1/4" VERSUS 3/16" PANELS

STEP 6 - GLAZING 1/4" FIXED SIDELITE PANELS (for ASD290)

Parts:

* BP.3206.CLR - Centering Clip for 1/4" Glass (pkg/4)



* VN.4028.CLR - 1/4" Header/Curb Vinyl (A and 1/4" sidelite units)

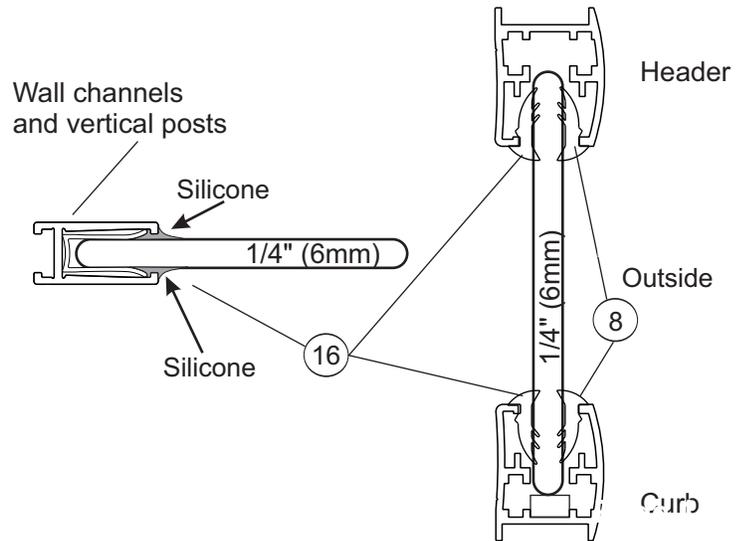


1/4" GLASS INSTRUCTIONS:

- * Insert the centering clips in the vertical wall channels and posts (buttress sills too).
- * Insert and adjust 1/4" glass and vertical posts to desired positions.
- * Glaze header and curb with VN.4028.CLR on both side.
- * Run clear beads of silicone on both sides of posts and wall channel when caulking the rest of the unit at the end of the installation (STEP 12)

GLAZING 1/4" GLASS

IMPORTANT: 1/4" PANELS REQUIRE WET GLAZING THE HORIZONTAL CHANNELS AND VERTICAL POSTS. HEADER AND CURB USE VN.4028 PUSH-IN VINYL



STEP 6 - GLAZING 3/16" FIXED SIDELITE PANELS (for SSD290, DSD290, VSD290 or CSD290)

Parts:

* VN.4031.CLR - Snap glazing vinyl



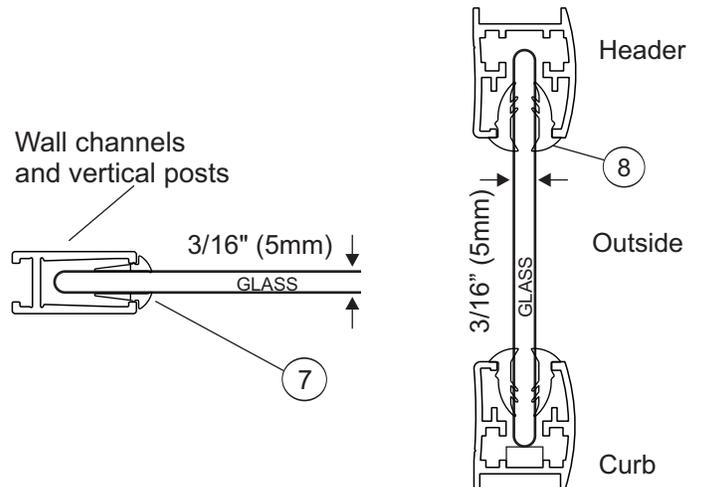
* VN.4026.CLR.07 - 3/16" Glass Header/Curb Vinyl (S,D,V,C units)



3/16" GLASS INSTRUCTIONS:

- * Center a Side Lite Panel between its posts
- * Glaze vertical post and wall channel(s) with Glazing Vinyl (ITEM #10).
- * Glaze the top and bottom of the panel with 4 – horizontal Glazing Vinyl (ITEM #11).
- * Repeat this step for the second sidelite panel.

GLAZING 3/16" GLASS



Installation Instructions

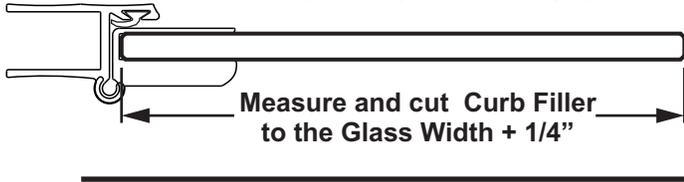
SD290

STEP 7 - INSTALL HEADER CURB FILLERS

STEP 7 - ASD290: ASD290 MUST USE THE EX.1172 AND MUST BE CUT TO LENGTH AND SNAPPED INTO THE HEADER AND CURB BEFORE THE DOOR AND LATCH ARE INSTALLED IN STEP 8



- * ASD290: Measure the width of the door glass **and add 1/4" =** _____
- * Cut both EX.1172 to this length
- * Snap the fillers into place in the curb and the header with the vertical water dam to the outside (see diagram to the right)



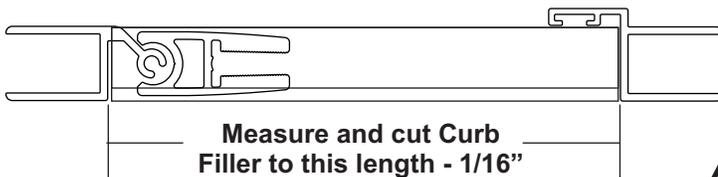
STEP 7 - SSD290, DSD290, VSD290 and CSD290 NOTE: these doors can use either the EX.1072 or the EX.1172



- * **PROCEED TO STEP 8 AND INSTALL THE LATCH AND DOOR**
- * **RETURN THIS STEP AFTER COMPLETING STEP 8**

AFTER RETURNING FROM STEP 8, COMPLETE STEP 7

- * Measure between the Hinge Jamb and Latch Jamb at the bottom of the door opening on top of the Curb.
- * Cut one Curb Filler (ITEM #5) to this length - 1/16". Snap the filler into place in the curb with the vertical water dam to the outside.
- * Seal each end with sealant.
- * Repeat procedure for the Header Filler (no sealant required).



STEP 8 - INSTALL DOOR AND LATCH

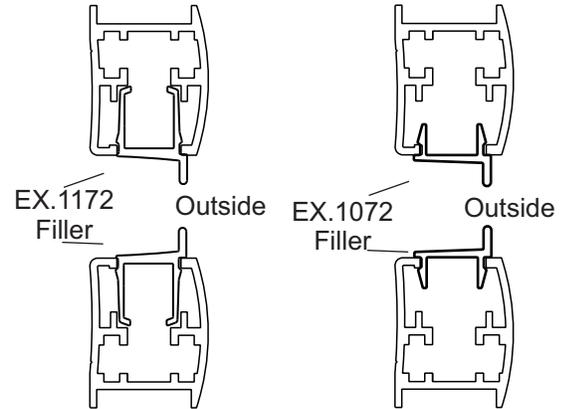
- * Loosen header screw and raise header approximately 1/4"
- * Set the Latch Jamb (ITEM #9) in place over the appropriate vertical post, but do not secure at this time. Orient the door so that it will open outwards and slide Hinge Jamb (which is connected to the door) over the opposite post.
- * Adjust the hinge/door and latch jamb (and curb fillers in between the jambs if ASD290) equally off the vertical posts
- * Resecure the header and tighten header screws
- * Level the top of the door glass and adjust the hinge and latch jambs leaving a 3/16" reveal between the edge of the door and the edge of latch jamb from top to bottom. Use 3/16" spacers to ensure it stays at 3/16" separation.
- * From the inside of the shower, drill the top hole on the Hinge Jamb into the vertical post with a #32 wire gauge drill bit.
- * Secure latch jamb with a 1/2" TEK screws. Check the door alignment and repeat the procedure for the middle and bottom screws.

Header & Curb Fillers Orientation

NOTE: Agalite is discontinuing the EX.1072. The new universal filler is EX.1172. See right for proper usage and orientation.

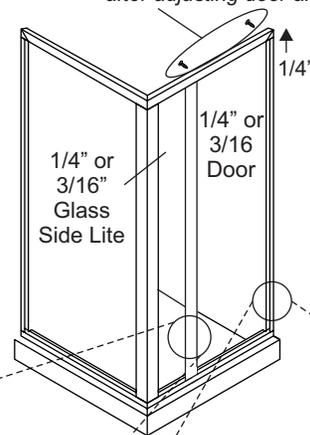
New Universal Filler EX.1172 for all Units

Filler EX.1072 for S,D,V or C Units Only (being discontinued)

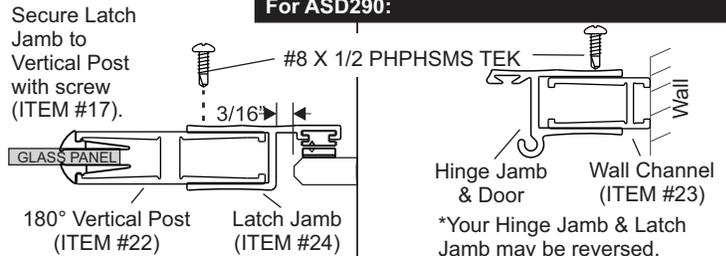


Loosen screws and raise header 1/4"

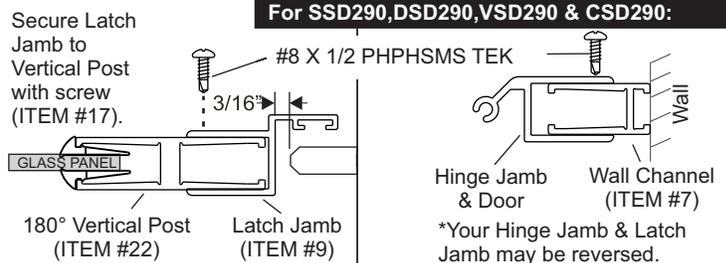
Resecure the header and tighten header screws after adjusting door and latch



For ASD290:



For SSD290, DSD290, VSD290 & CSD290:



Finishing* the door is specific to the model you purchased!

Find your model below and proceed to the appropriate page.

***Finishing the door:** this section guides the installer through:

- **Handle Assembly** installation
- **Magnetic Latch** installation
- **Drip Deflector / Sweep** final fabrication and installation
- **Parts Diagram and Parts List** of the specific door

Ensure you use the proper model number for this section!

A



Model Number: **ASD290 or ASD90**

1/4" Glass Door w/ Patch Hinges - 6" Pull w/ Continuous Magnet



Page 9

S



Model Number: **SSD290 or SSD90**

1/4" Glass Door - 6" Pull w/ Continuous Magnet



Page 11

D



Model Number: **DSD290 or DSD90**

1/4" Glass Door - 6" Pull w/ Edge Cap Magnet



Page 12

V



Model Number: **VSD290 or VSD90**

3/16" Glass Door - Edge Glazed Handle w/ Continuous Magnet



Page 13

C



Model Number: **CSD290 or CSD90**

3/16" Glass Door - Edge Glazed Handle w/ Magnet



Page 14



Installation Instructions for

Model Number: **ASD290**
 1/4" Glass Door w/ Patch Hinge - 6" Pull w/ Continuous Magnet

Step 8 - Handle (multiple styles)

* Disassemble handle assembly then reverse the procedure and install into the 1/2" handle holes in the door panel.

Step 9 - Apply Adhesive Magnet Strip

* Clean the door glass. Leave both sides of the magnets together on the latch jamb and close the door, checking the glass edge of the door (handle side) and ensure there is even reveal between the edge of the glass and the latch jamb of 3/16".

* Peel off the red backing.

* Gently close the door until the adhesive sticks evenly. **DO NOT OPEN THE DOOR.** Apply a strong steady pressure on the glass over the tape until it adheres well.

* Open the door and work press the tape harder, working out bubbles between the glass and tape. Repeat from middle of the door to the bottom.

Step 10 - Drip Assembly

* Measure the bottom of the door glass from edge to edge and cut the vinyl drip rail (6) to that size.

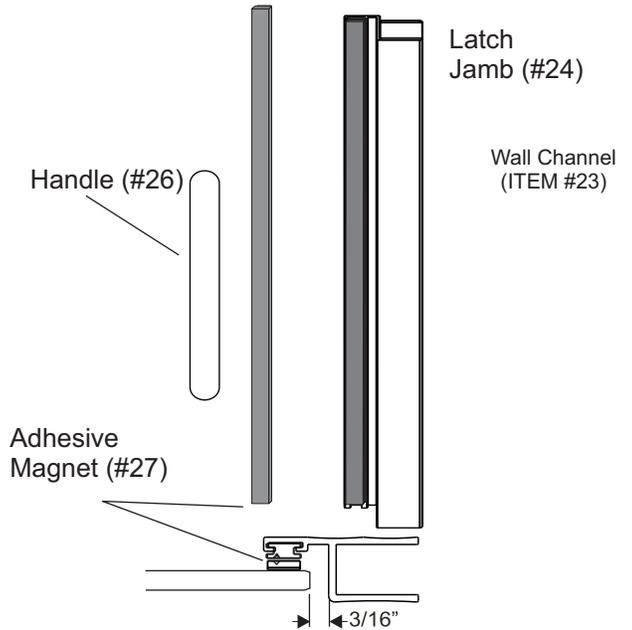
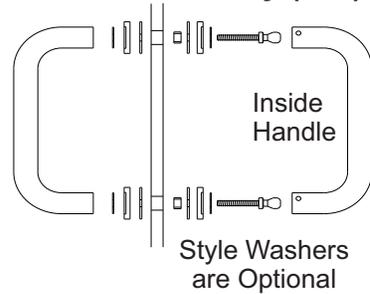
* Align the vinyl drip rail to the glass, aligning with the side edges of the glass with the drip deflect facing inside and mark where to notch the relief for the hinge and latch.

* Using a hatch saw or razor knife, notch the flange of the drip rail as shown below so that it does not interfere with the latch and strike on the inside of the door.

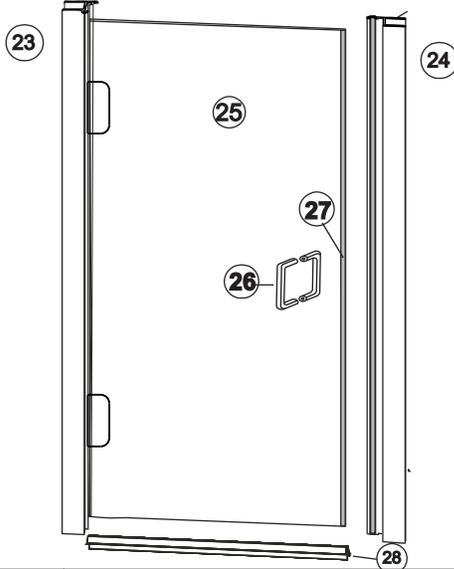
* When you are satisfied with notch the fit of the drip rail on the bottom of the door pushing up far enough so that the sweep drags across the dam strip.

* Remove the drip rail and place a few drops of silicone into the channel and replace the drip rail onto the bottom of the door.

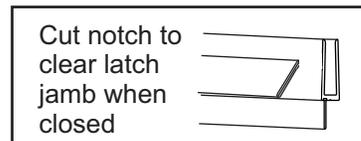
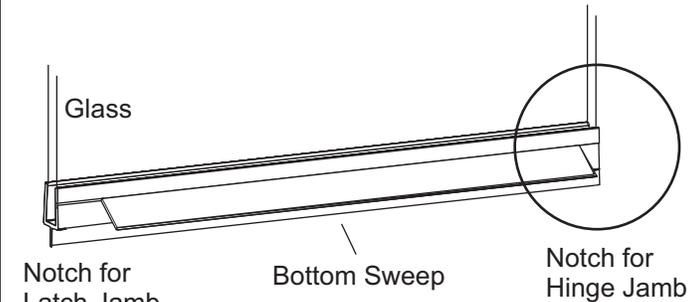
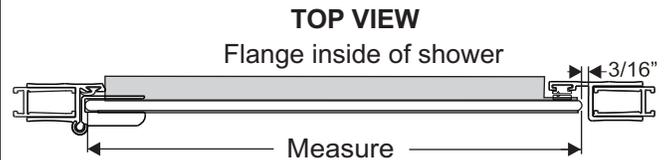
Handle Assembly (#26)



BOTTOM SWEEP DETAIL



DRIP ASSEMBLY DETAIL



ITEM	PART #	DESCRIPTION	QTY
23	EX.1002	Hinge Jamb w/ Patch Hinge assembly	1
24	EX.1005	Latch Jamb w/ VN.4100 Magnet	1
25		1/4" Glass Panel	1
26	HA.2701	Handle	1
27	VN.4102	Adhesive Magnet	1
28	VN.4062	Bottom Sweep	1



Installation Instructions for

Model Number: **SSD290**
 1/4" Glass Door - 6" Pull w/ Continuous Magnet

Step 8 - Handle (multiple styles)

* Disassemble handle assembly then reverse the procedure and install into the 1/2" handle holes in the door panel.

Step 9 - Apply Adhesive Magnet Strip

* Clean the door glass. Leave both sides of the magnets together on the latch jamb and close the door, checking the glass edge of the door (handle side) and ensure there is even reveal between the edge of the glass and the latch jamb of 3/16".

* Peel off the red backing.

* Gently close the door until the adhesive sticks evenly. **DO NOT OPEN THE DOOR.** Apply a strong steady pressure on the glass over the tape until it adheres well.

* Open the door and work press the tape harder, working out bubbles between the glass and tape. Repeat from middle of the door to the bottom.

Step 10 - Drip Assembly

* Measure the bottom of the door glass from edge to edge and cut the vinyl drip rail (6) to that size.

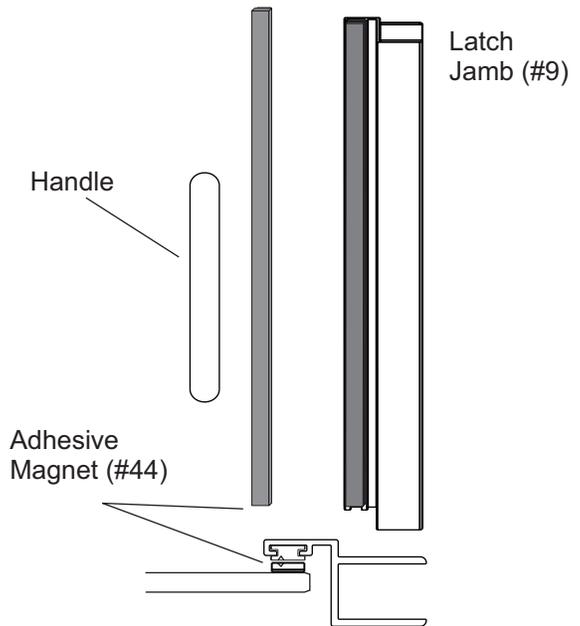
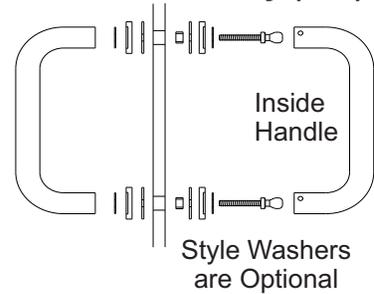
* Align the vinyl drip rail to the glass, aligning with the side edges of the glass with the drip deflect facing inside and mark where to notch the relief for the hinge and latch.

* Using a hatch saw or razor knife, notch the flange of the drip rail as shown below so that it does not interfere with the latch and strike on the inside of the door.

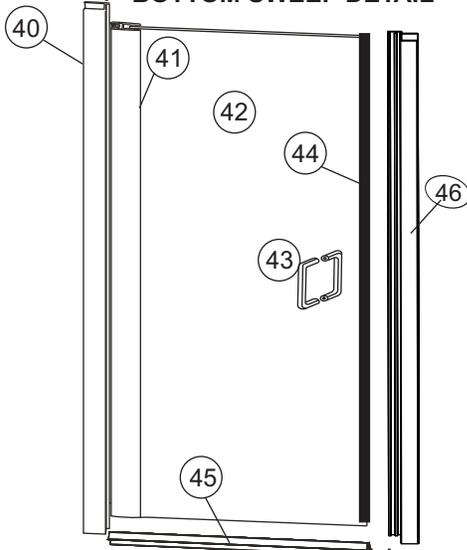
* When you are satisfied with notch the fit of the drip rail on the bottom of the door pushing up far enough so that the sweep drags across the dam strip.

* Remove the drip rail and place a few drops of silicone into the channel and replace the drip rail onto the bottom of the door.

Handle Assembly (#43)

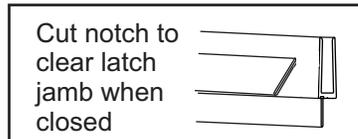
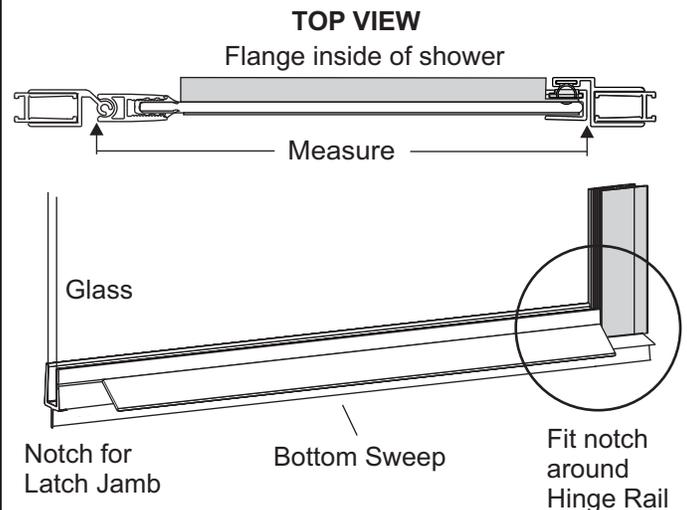


BOTTOM SWEEP DETAIL



ITEM	PART #	DESCRIPTION	QTY
40	EX.1165	Hinge Jamb	1
41	EX.1466	Hinge Rail	1
42		1/4" Glass Panel	1
43	HA.2701	Handle	1
44	VN.4102	Adhesive Magnet	1
45	VN.4062	Bottom Sweep	1
46	EX.1193	Latch Jamb w/ Bulb Seal and Strike	1

DRIP ASSEMBLY DETAIL





Installation Instructions for

Model Number: **DSD290**
 1/4" Glass Door - 6" Pull w/ Edge Cap Magnet

Step 8 - Handle (multiple styles)

* Disassemble handle assembly then reverse the procedure and install into the 1/2" handle holes in the door panel.

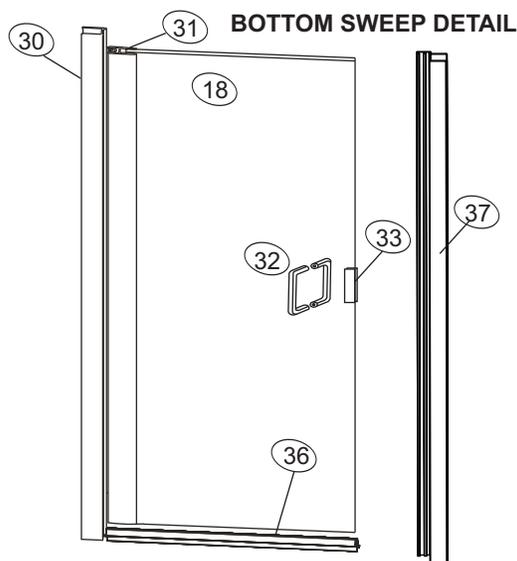
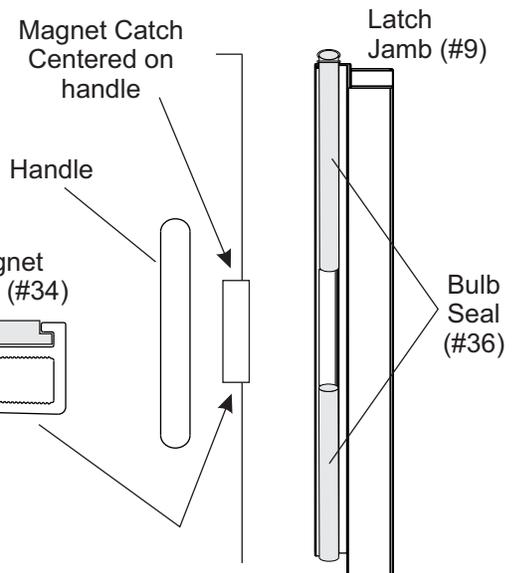
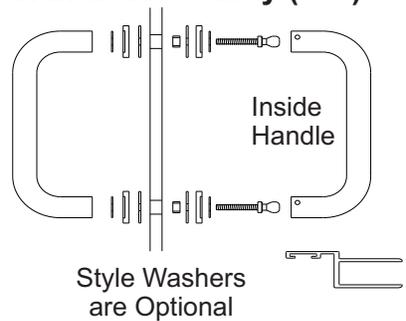
Step 9 - Magnetic Catch

- * Dry fit magnet catch over the edge of the glass and line it up with the steel plate in the latch jamb.
- * Mark top and bottom of the Magnet latch onto edge of glass.
- * Inject a small amount of silicone into the magnet latch.
- * Tap in place over the glass edge lined up with the location marks you made earlier.
- * Use Painters tape to hold Magnet latch in place until it dries.

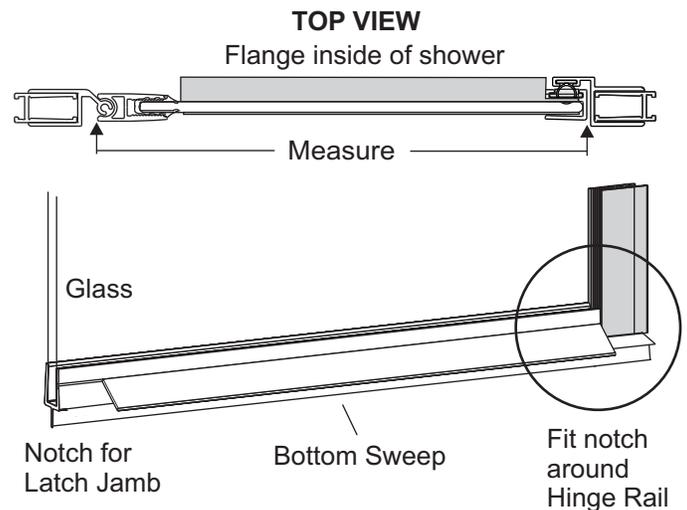
Step 10 - Drip Assembly

- * Measure the distance from the edge of the glass to the edge of the hinge rail as shown below right.
- * Both ends of the Bottom Sweep are notched so that one of the notches will seal under the hinge rail.
- * Identify which notched end you are going to keep and cut the drip assembly to length. Notch the cut end as shown.
- * Fit over the bottom edge of the door panel and adjust for height.

Handle Assembly (#33)

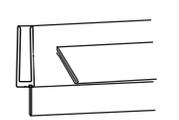


DRIP ASSEMBLY DETAIL



ITEM	PART #	DESCRIPTION	QTY
30	EX.1165	Hinge Jamb	1
31	EX.1466	Hinge Rail	1
32		1/4" Glass Panel	1
33	HA.2701	Handle	1
34	BP.3701	Over Edge Magnet	1
35	VN.4062	Bottom Sweep	1
36	VN.4002	Bulb Seal	1
37	EX.1193	Latch Jamb w/ Bulb Seal and Strike	1

Cut notch to clear latch jamb when closed





Installation Instructions for

Model Number: **VSD290**
3/16" Glass Door - Edge Glazed Handle w/ Continuous Magnet

Step 8 - Install Handle

- * Center the handle vertically (top to bottom) on the glass, or position it at a comfortable height and press the handle over vinyl until full seated.
- * Use a razor knife to carefully trim any excess handle vinyl.

Step 9 - Adhesive Magnet Strip

- * Move to the inside of the shower with a utility knife/scissors and close the door.
- * Locate the "H" magnet in the jamb and the thin tape magnet with red VHB backing.

IMPORTANT: The tape magnet permanently adheres to the glass. The tape magnet must be perfectly flush with the flat surface of the handle forming a continuous thickness from top to bottom. Do not remove the red backing yet.

Align First

- * Keep the tape magnet attached to the "H" magnet.
- * Cut the tape magnet at the center of the handle (see diagram on right).
- * Slide the top section up tight to the top of the handle (no gap).
- * Pull the bottom section down tight to the bottom of the handle (no gap). Trim excess at bottom if needed.
- * Open door and confirm magnets are straight.

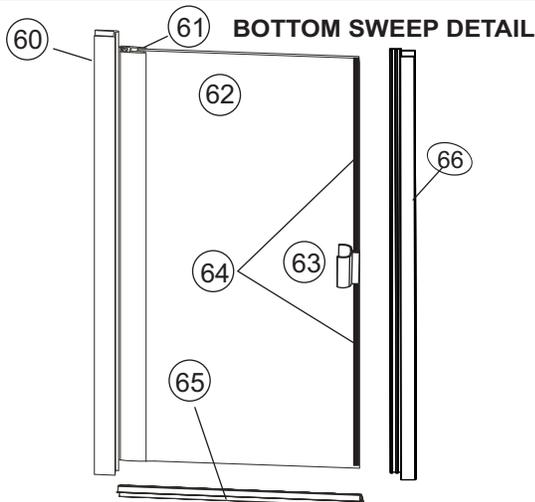
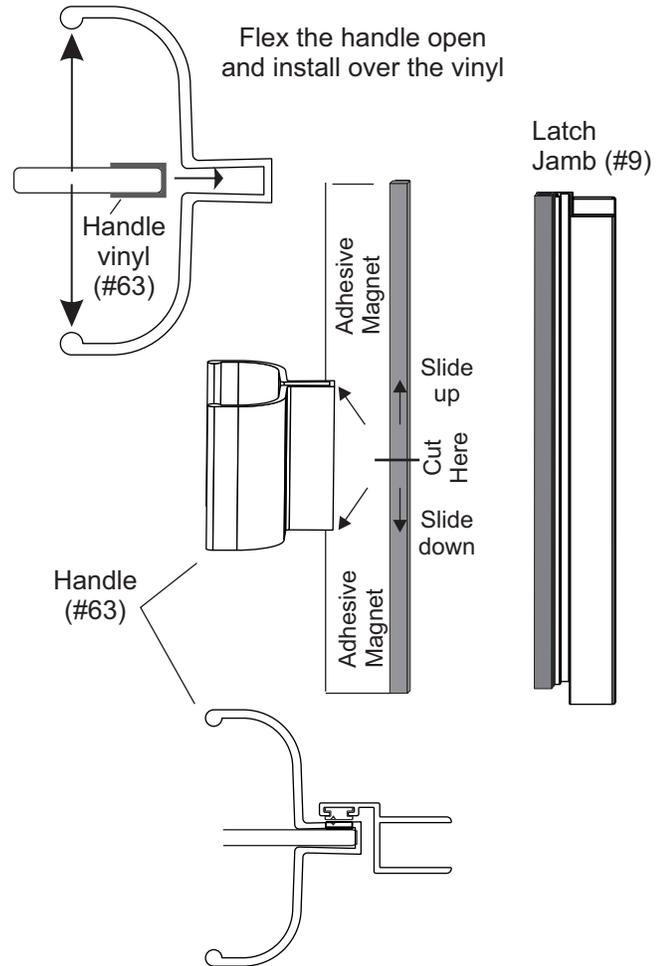
Adhere to Glass

- * Carefully remove the red backing without shifting positions.
- * From outside the shower, slowly close the door.
- * Pause before adhesive touches glass to verify alignment of tape magnet to top and bottom of handle
- * Close door fully and press firmly along entire tape.

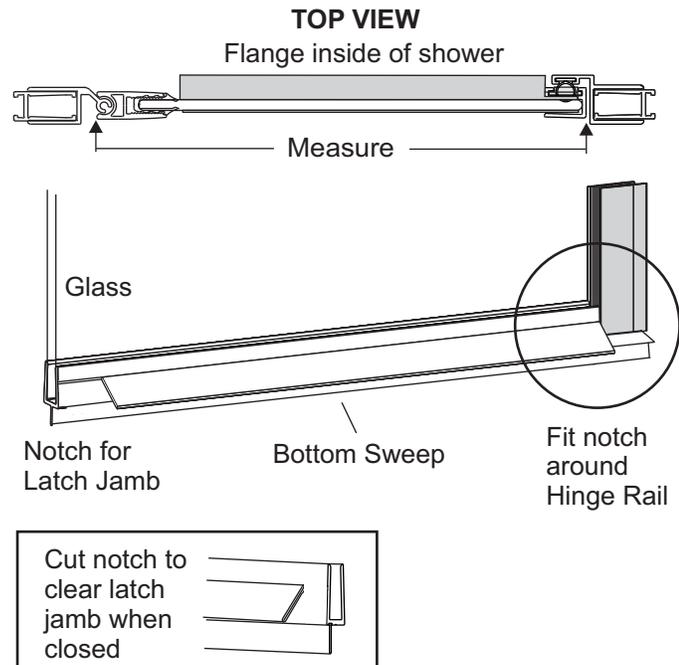
Final Press: Open door and press again firmly along full length. Work out any air bubbles.

Step 10 - Drip Assembly

- * Measure the distance from the edge of the glass to the edge of the hinge rail as shown bottom right (see diagram to right).
- * Both ends of the drip Bottom Sweep are notched so that one of the notches will seal under the hinge rail.
- * Identify which notched end you are going to keep and cut the drip assembly to length. Notch the cut end as shown.
- * Fit over the bottom edge of the door panel and adjust for height.



DRIP ASSEMBLY DETAIL



ITEM	PART #	DESCRIPTION	QTY
60	EX.1165	Hinge Jamb	1
61	EX.1366	Hinge Rail	1
62		3/16" Glass Panel	1
63	BP.3019	Handle w/ "U" edge vinyl	1
64	VN.4102	Adhesive Magnet	2
65	VN.4082	Bottom Sweep	1
66	EX.1193	Latch Jamb w/ Bulb Seal and Strike	1



Installation Instructions for

Model Number: **CSD290**
3/16" Glass Door - Edge Glazed Handle w/ Magnet

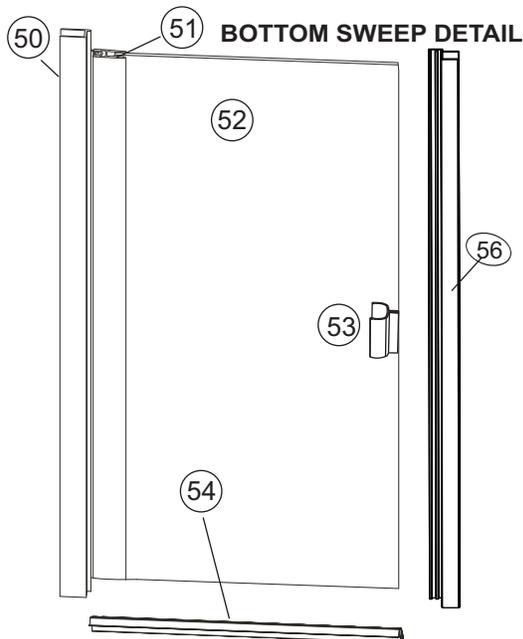
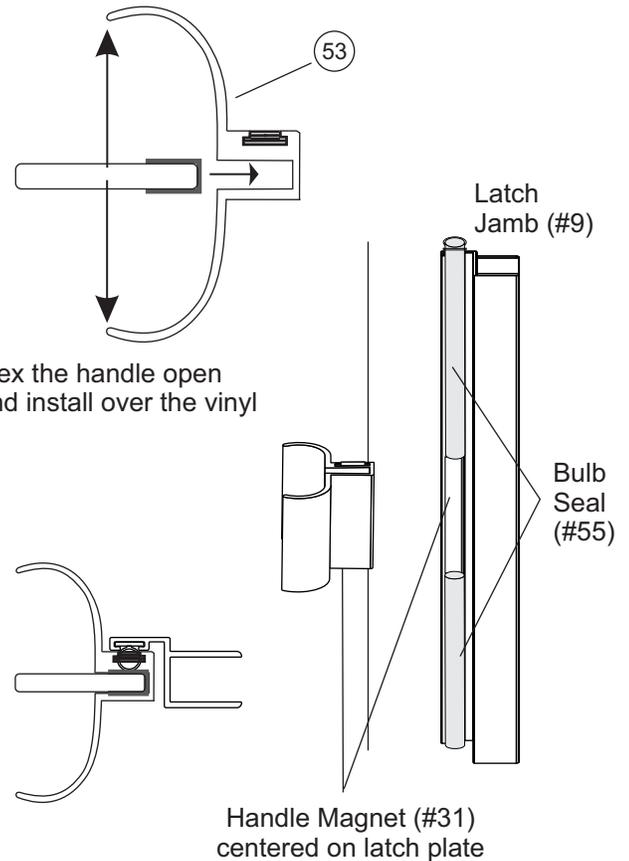
Step 8 - Magnetic Handle

- * Dry fit the magnet handle over the edge of the glass and line it up with the steel plate in the latch jamb.
- * Mark the top and bottom of the Magnet latch onto the glass edge.
- * Lay the handle vinyl in place over the edge of the of the door panel, and over the top and bottom marks for the handle location. Tap handle in place over the handle vinyl, lined up with the location marks you made earlier.
- * Use a razor knife to trim the excess handle vinyl.

Step 9 - Drip Assembly

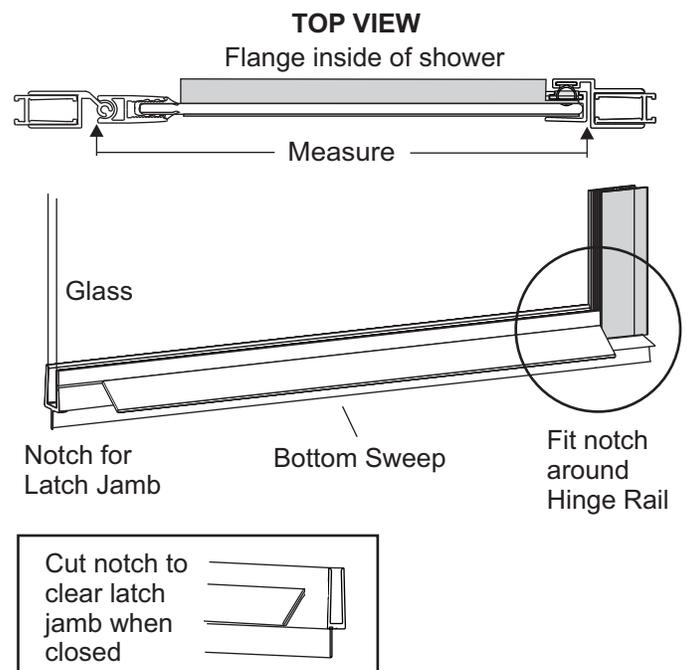
- * Measure the distance from the edge of the glass to the edge of the hinge rail as shown below right.
- * Both ends of the drip assembly are notched so that one of the notches will seal under the hinge rail.
- * Identify which notched end you are going to keep and cut the drip assembly to length. Notch the cut end as shown.
- * Fit over the bottom edge of the door panel and adjust for height.

Step 10 - N/A Proceed to STEP 11 on page 14



ITEM	PART #	DESCRIPTION	QTY
50	EX.1165	Hinge Jamb	1
51	EX.1466	Hinge Rail	1
52		3/16" Glass Panel	1
53	BP.3021	Handle	1
54	VN.4082	Bottom Sweep	1
55	VN.4002	Bulb Seal	1
56	EX.1193	Latch Jamb w/ Bulb Seal and Strike	1

DRIP ASSEMBLY DETAIL



Proceed Step 11 on page 14 for _SD290 and page 20 for _SD90 →

Installation Instructions

SD290

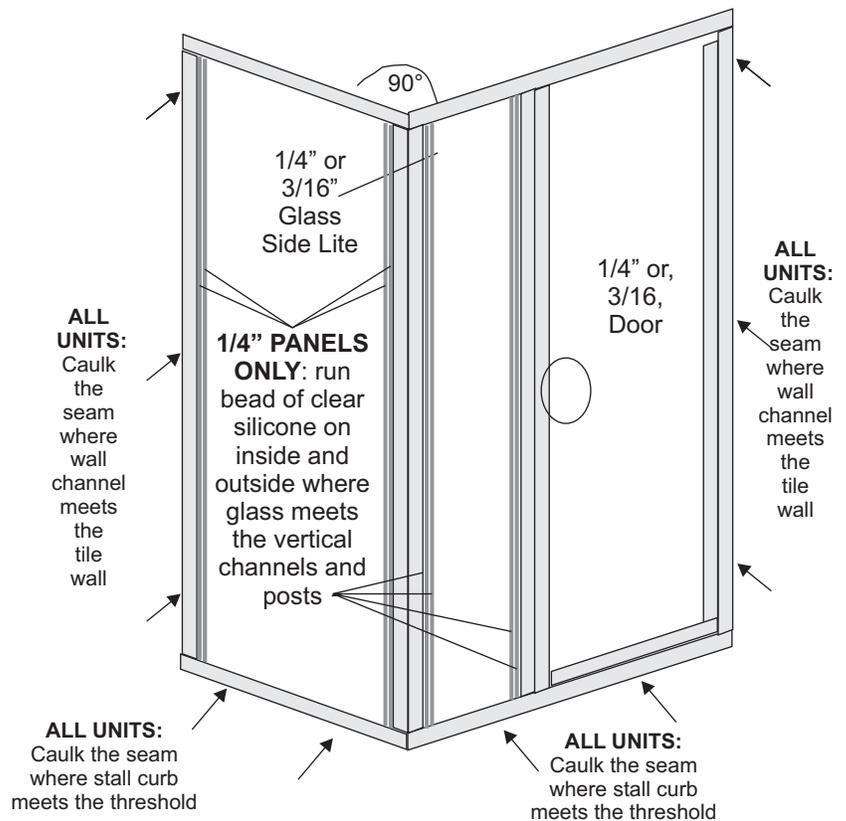
Page 14

STEP 11 - SILICONE THE UNIT (AND 1/4" PANELS)

* **ALL UNITS:** Run a bead of 100% silicone sealant the full length on the outside of the shower where the shower door framing meets the walls and threshold. Be sure to silicone vertical metal joints on the curb assemblies.

* **1/4" PANELS ONLY:** run bead of clear silicone on inside and outside where glass meets the vertical channels and posts

* Allow 24 hours for silicone to cure before using your shower.



SD290 Installation Complete!

Thank you for choosing this great product!

Please refer to your Owner's Manual for Warranty Registration and Cleaning and Care Instructions

Questions or Comments:

1-800-843-3332

Installation Instructions for

1/4" Door Models: **ASD90**

1/4" Semi-Frameless Patch Hinge Swing Door with 1/4" 90° Panel

1/4" Door Models: **SSD90** or **DSD90**

1/4" Semi-Frameless Continuous Hinge Swing Door with 3/16" 90° Panel

3/16" Door Models: **VSD90** or **CSD90**

3/16" Semi-Frameless Continuous Hinge Swing Door with 3/16" 90° Panel

WARNING: Failure to read the Safety, Proper Use, and Installation Disclaimer on the back page may result in injury or property damage and voided warranty. **WARNING:**

FIRST STEPS - Identify the door width and model number of your unit.

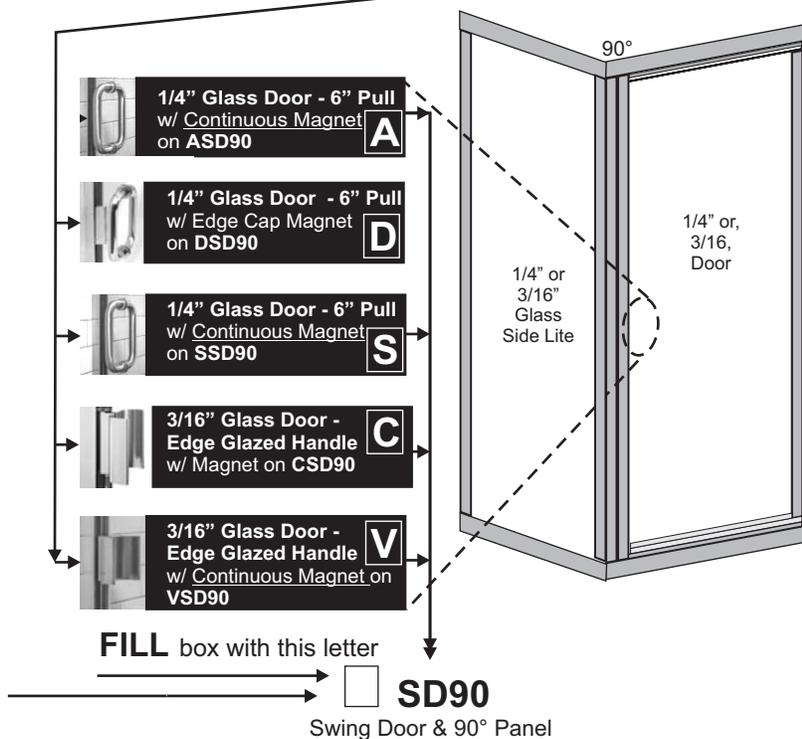
- Look on the white shipping label on the outer cardboard box.

- **Door width** is annotated as DW or DWX on the label

DW or DWX =
 fill-in

- **Model number** on label should correspond to one listed above.

Or look below and identify by handle type and glass thickness



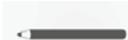
Custom Buttress and Notched Panel
Installation Instructions are one Page 23 of this manual.

Unit is Reversible
It can hinge left or hinge right off either wall or off the 90° post.

* Please see page 14 if your units has a step or buttress

Required Tools

* Pencil or water soluble felt pen



* Hacksaw with 24 tooth blade



* Metal file (smooth sharp edges)



* Tape measure



* Clear 100% Silicone (recommended)



* #2 Phillips Screw driver



* 3/16" drill bit carbide for metal

* #32 Wire Gauge drill bit



* Caulking gun



* Drill, electric or battery



* 4 ft. Level



* Rubber mallet



* Razor knife



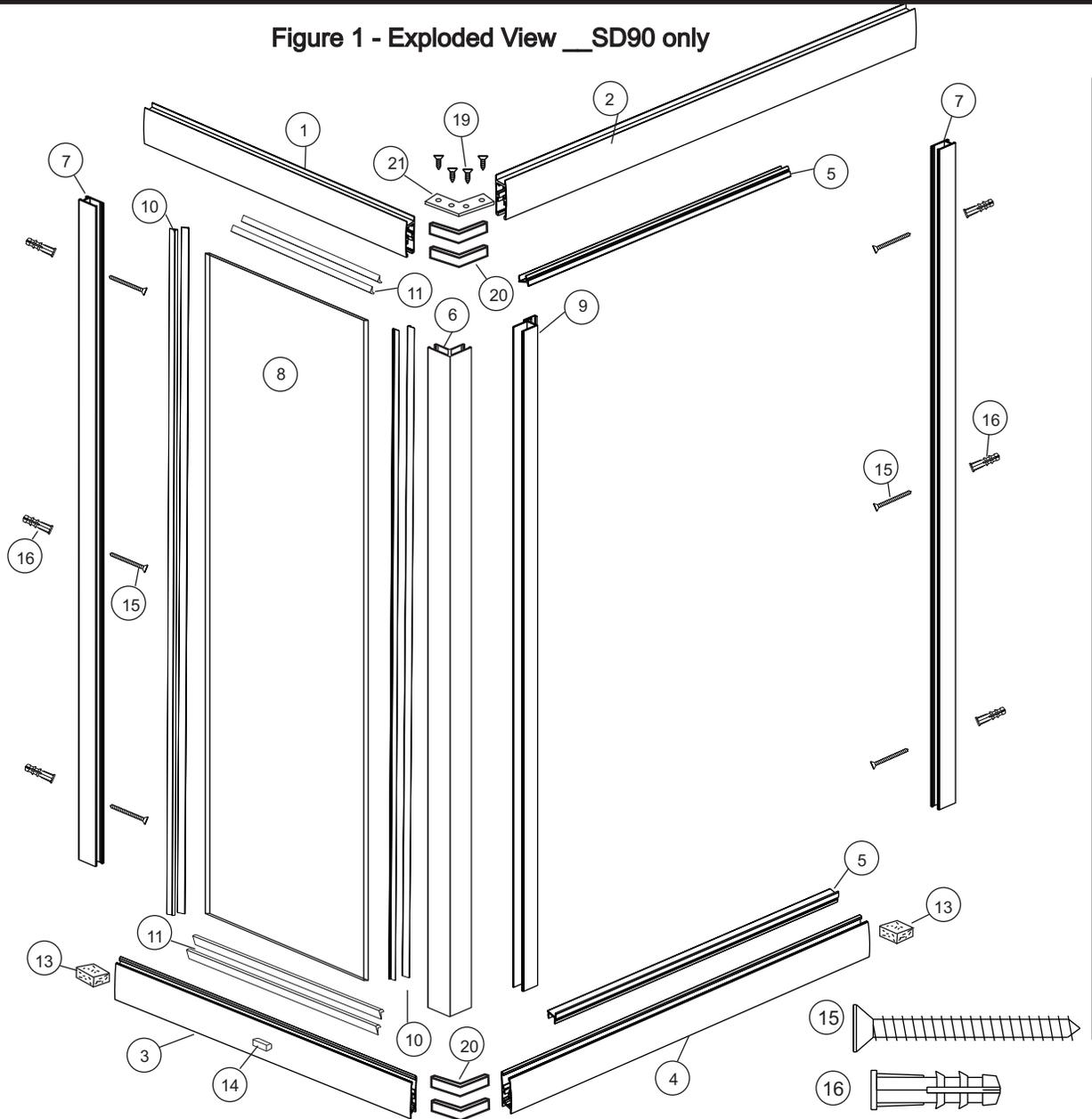
* Blue painters tape



Parts List and Exploded View

 **SD90** (parts are common for all "90" units)

Figure 1 - Exploded View __SD90 only

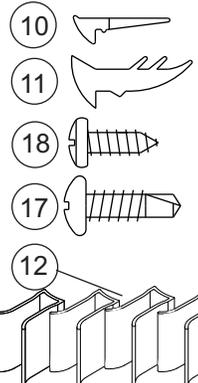


Parts List

ITEM	PART #	DESCRIPTION	QTY VS90
1	Ex.1171	Stall Header Left Section	1
2	EX.1171	Stall Header Right Section	1
3	EX.1271	Stall Curb Left Section	1
4	EX.1271	Stall Curb Right Section	1
5	EX.1072	Header / Curb Filler	2
6	EX.1174	90° Post	1
7	EX.1268	Jamb Filler / Wall Channel	2
8	GLASS	3/16" Glass Side Lite Panel	1
9	EX.1005 or ES.1193	ASD Latch Jamb SSD,DSD,VSD and CSD Latch Jamb	1
10	VN.4031	Snap-Vertical Vinyl for 3/16" glass only (see page 13 for instructions/parts)	4
11	VN.4026 (3/16") or VN.4028 (1/4")	Header / Curb Vinyl (see page 13 for instructions/parts)	4

ITEM	PART #	DESCRIPTION	QTY VS90
12	BP.3206	1/4" Centering Clips Bag	1
13	BP.3104	Foam Curb Plugs	2
14	BP.3104	Setting Blocks	1
15	BP.3104	#8 X 1-1/2 FHPHSMS	6
16	BP.3104	3/16 Wall Anchors	6
17	BP.3104	#8 X 1/2 PHPH TEK	6
18	BP.3104	# 6 X 3/8 PHPHSMS	4
19	BP.3104	#6 X 3/8 FHPHSMS	4
20	BP.3104	3/8" Header / Curb Clips	4
21	BP.3104	Header Plate	1

Extra screws may be provided for your convenience



Door assy on following pages

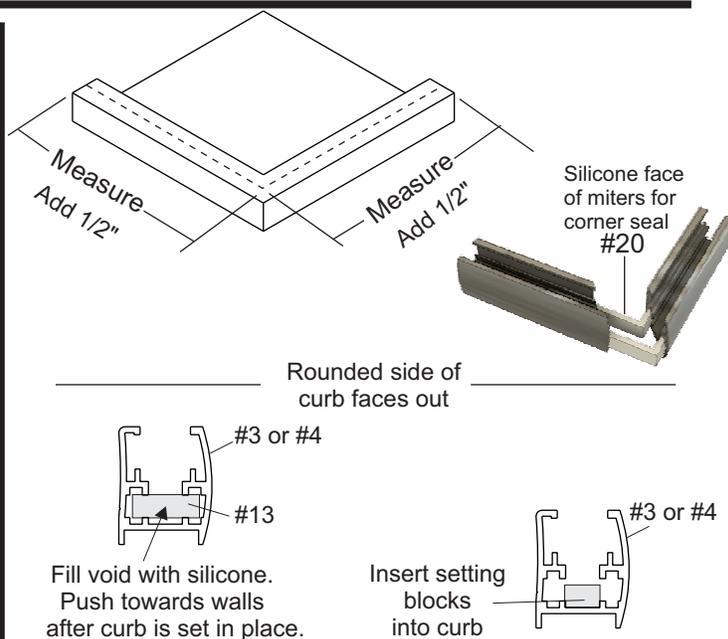
Installation Instructions

 SD90

Page 17

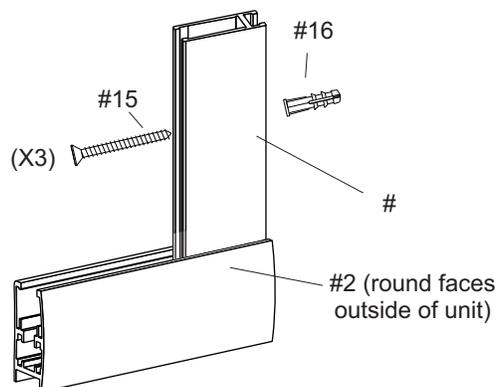
STEP 1 - INSTALL CURB (#3 & 4)

- * Draw a pencil line down the center of each leg of the threshold.
- * Measure from each wall to where the lines intersect. Add 1/2" to each of these dimensions and cut each Stall Curb to this dimension measuring from the mitered end and cut off the square cut end. (ITEM #3 & 4)
- * Insert a setting block (ITEM #14) in the curb section where the side lite panel will sit.
- * Insert foam plugs (ITEM #13) into each end of the Stall Curbs and recess 1/8". Fill 1/8" void with silicone.
- * insert 2 Curb Clips (ITEM #20) into each curb and run a bead of silicone on the face of the two miters where they meet to seal the corner.
- * Set the curb in place centered over where you measured, secure with painters tape.
- * Measure from the 90 intersection to the door side wall. Subtract 1/2". Note the DW DWX door size will cover this dimension.
- * Move the Setting Block to the center of the Stall Curb.
- * Verify weep holes are oriented to the inside of shower.
- * Do not screw the curb to threshold.



STEP 2 - INSTALL WALL CHANNELS (#7)

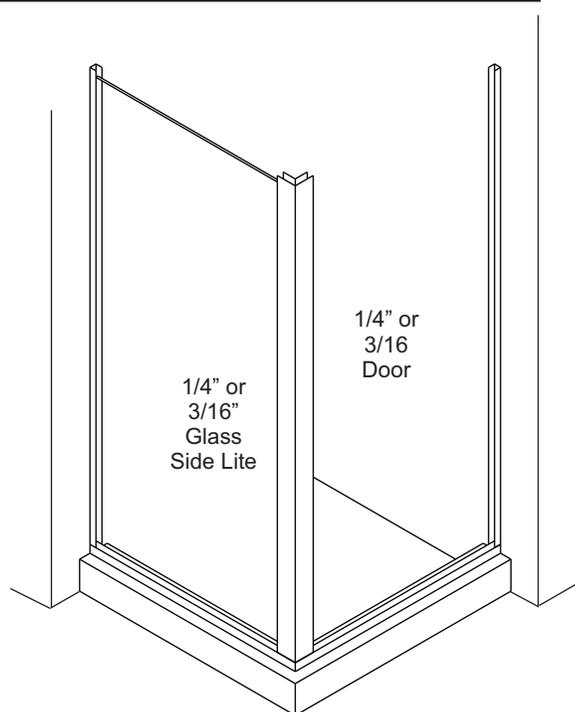
- * Insert Wall Channel (ITEM #7) into curb, on side of fixed panel. Plumb channel with a level.
- * Mark the hole locations onto the wall. Remove the channel.
- * Drill marked locations with 3/16" drill bit
- * Insert 3 Wall Anchors (ITEM #16).
- * Re-insert channel and secure with 3 screws (ITEM #15).
- * Repeat above step with second wall channel on the opposite wall.



STEP 3 - 1/4" or 3/16" FIXED SIDELITE PANEL

THOROUGHLY REVIEW STEP 8 ON PAGE 6 BEFORE CONTINUING

- * If setting 1/4" panels, insert centering clips as shown on page 6
- * Set the 90° 3/16" Glass Panel (ITEM #8) into Curb and Wall Channel.
- * NOTE: If patterned or frosted glass is used, ensure that the rough side faces outward.
- * Insert the 90° Post (ITEM #6) into the Stall Curb and over the edge of the Side Lite Panel
- * Temporarily hold the post and glass in place with painter's tape to hold panel into the channels or by inserting Snap Vinyl (for 3/16" panel) between glass and channel. Do not cut the vinyl at this time.



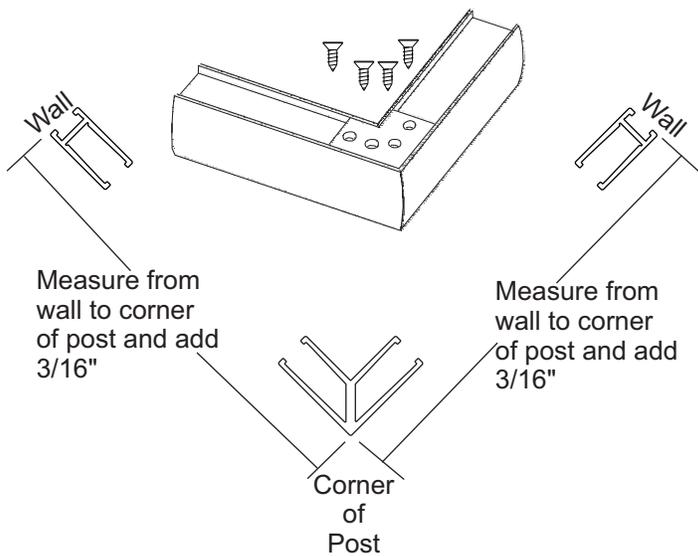
Installation Instructions



SD90

STEP 4 - INSTALL THE HEADER

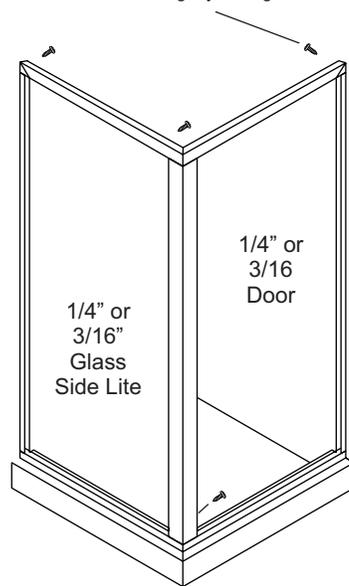
- * Using a level, plumb the 90° Post in both directions.
- * Measure from each wall to the outside corner of the 90° Post at the top of the vertical posts.
- * Add 3/16" to each dimension. Cut Stall Headers (ITEM #1 & 2) to length.
- * Set headers down and Insert 2 - Header Clips (ITEM #20) into the headers. Apply the header plate, (ITEM #21).
- * Holding the header miters and plate together, mark the holes of the Plate onto the headers.
- * Drill through the headers with a #32 Wire Gauge drill bit. secure with 4 - #6 X 3/8 FHPHMS (ITEM #19).
- * Set header over the top of the vertical posts. Verify that the miter in the stall curb has not separated.



STEP 5 - SECURE THE HEADER

- * From the inside of the shower, attach the header by drilling through the header into the each vertical Post with an #32 Wire Gauge drill bit. The glass panel should be tilted out of the way while drilling holes. Secure the bottom of the 90° post by drilling through the Stall Curb into the 90° post.
- * Secure header and curb with 4 - #6 X 3/8 PHPHMS (ITEM #18).

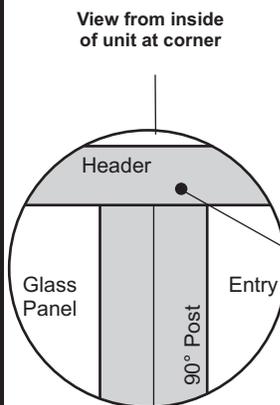
Leave Screw Loose
Do not fully tighten this screw. You will need to loosen it after glazing the panels and lift the header slightly during STEP 7



STEP 6 - GLAZE FIXED SIDELITE PANELS

NOTE: THERE ARE DIFFERENT GLAZING STEPS WITH DIFFERENT PARTS FOR 1/4" AND 3/16" SIDELITE

- * **STEP 6 - Wet/Dry Glaze 1/4" Glass Side Lite Panels (for ASD290) GO TO TOP OF PAGE 6**
- * **STEP 6 - Vinyl Glaze 3/16" Glass Side Lite Panels (for SSD290, DSD290, VSD290 or CSD290) GO TO BOTTOM OF PAGE 6**



Approximate Drill Location
Glass panel should be tilted out of frame while drilling

STEP 7 - HEADER CURB FILLERS

STEP 7 - ASD90: FOLLOW THE INSTRUCTIONS FOR ASD290 ON PAGE 7

STEP 7 - SSD90, DSD90, VSD90 and CSD90: FOLLOW THE INSTRUCTIONS FOR SSD290, DSD290, VSD290 and CSD290 ON PAGE 7

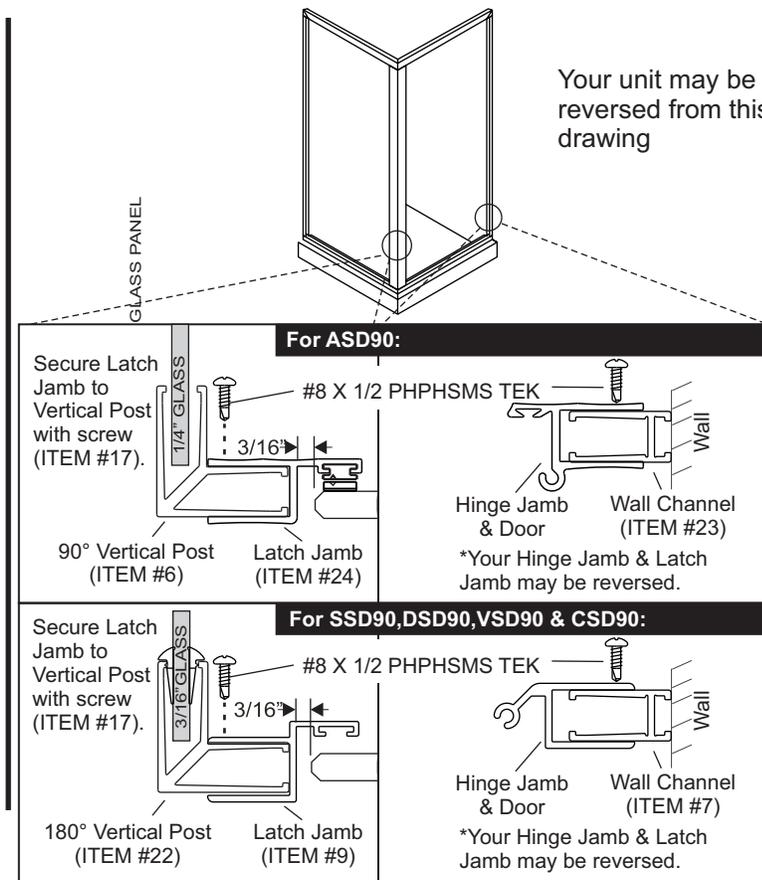
Installation Instructions

□ SD90

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STEP 8 - LATCH AND DOOR INSTALLATION

- * Set the Latch Jamb (ITEM #9) in place over the appropriate vertical post, but do not secure at this time. Orient the door so that it will open outwards and slide Hinge Jamb (which is connected to the door) over the opposite post.
- * Adjust the Hinge and latch jamb somewhat equally off their respective vertical posts, (Primary Adjustment).
- * Level the top of the door glass and adjust the hinge and strike jambs leaving a 3/16" reveal between the edge of the door and the base of the strike jamb from top to bottom. Use a 3/16" spacer at the top and bottom to ensure it stays at 3/16" separation.
- * From the inside of the shower, drill the top hole on the Hinge Jamb into the vertical post with a #32 Wire Gauge drill bit.
- * Secure with a #8 X 1/2 PHPHSMS TEK (ITEM #17). Re-check the door alignment and repeat the procedure for the middle and bottom screws.



Finishing* the door is specific to the model you purchased!

Find your model ON PAGE 8 and proceed to the appropriate page.

***Finishing the door:** this section guides the installer through:

- **Handle Assembly** installation
- **Magnetic Latching** installation
- **Drip Deflector / Sweep** final fabrication and installation
- **Parts Diagram and Parts List** of the specific door

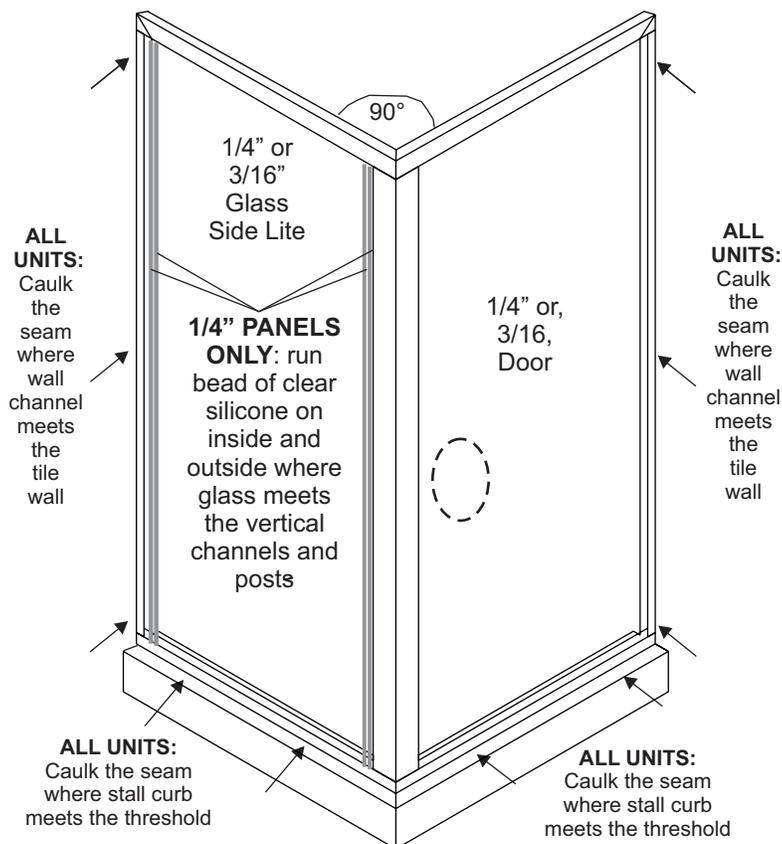
Ensure you use the proper model number for this section!

STEP 12 - SILICONE/CAULK THE UNIT (AND 1/4" PANELS)

* **ALL UNITS:** Run a bead of 100% silicone sealant the full length on the outside of the shower where the shower door framing meets the walls and threshold. Be sure to silicone vertical metal joints on the curb assemblies.

* **1/4" PANELS ONLY:** run bead of clear silicone on inside and outside where glass meets the vertical channels and posts

* Allow 24 hours for silicone to cure before using your shower.



SD90 Installation Complete!

Thank you for choosing this great product!

Please refer to your Owner's Manual for Warranty Registration and Cleaning and Care Instructions

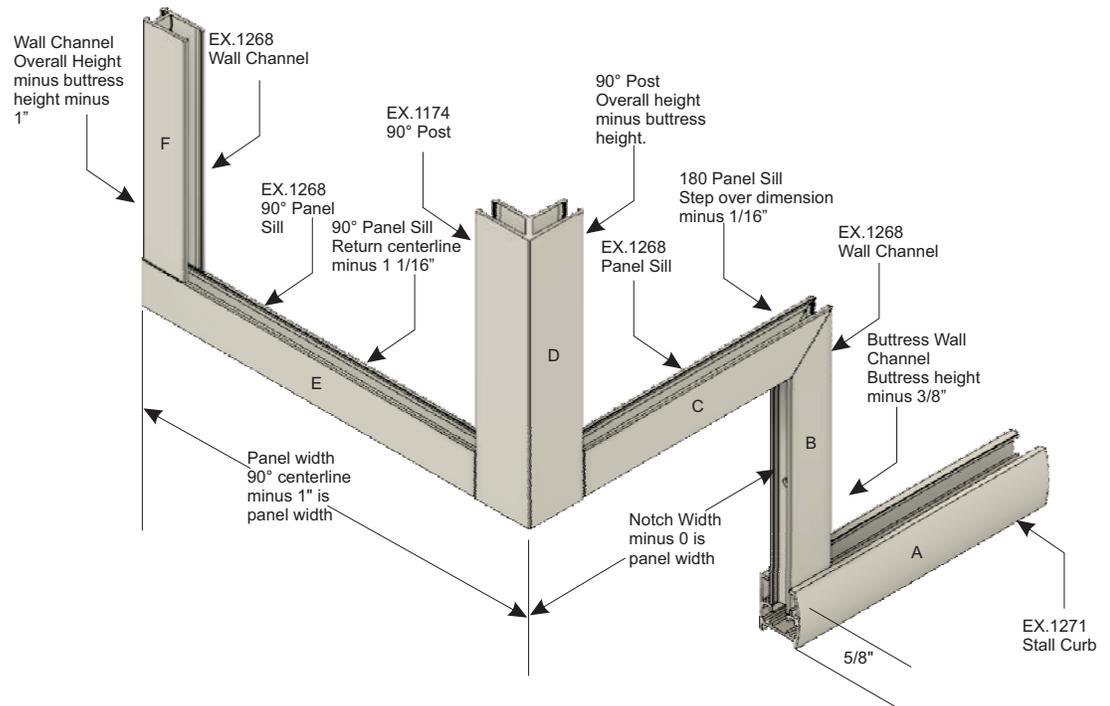
Questions or Comments:

1-800-843-3332

Custom __SD290 Notes: Notched In-line & 90° Buttress Panel Installation

Page 21

Use the following steps to install a unit with notched In-line panel and 90° buttress panel

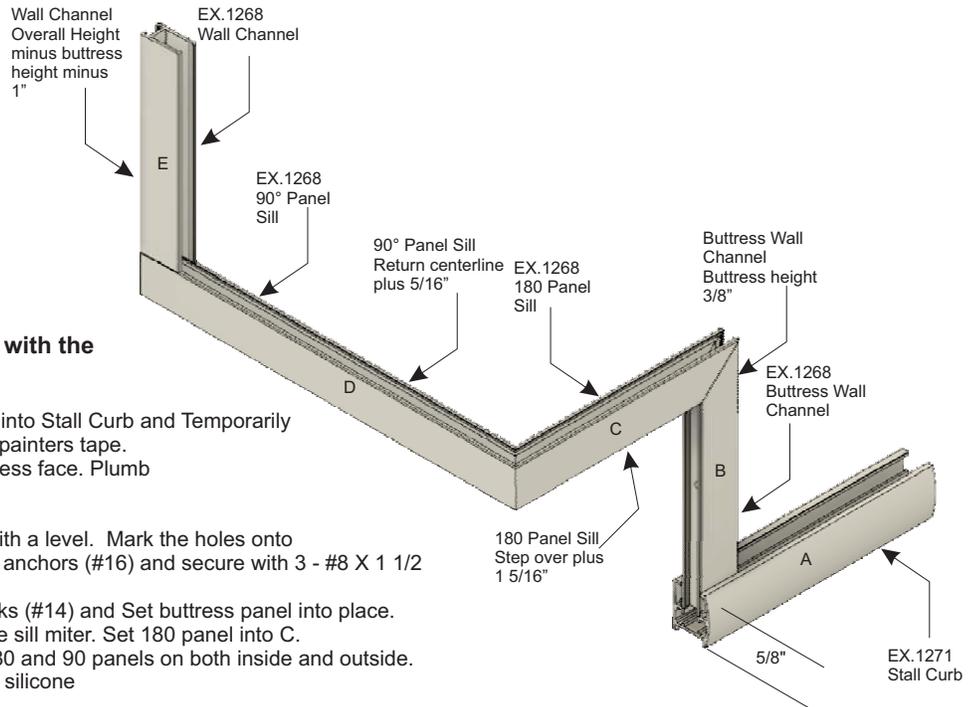


These step should be done in conjunction with the main installation instructions:

1. Insert Foam plug (#13) and setting blocks (#14) into Stall Curb A. Set Stall Curb onto front centerline. Hold with painters tape.
2. Slide Wall Channel B into curb and against buttress face. Plumb it with a level to align remaining pieces.
3. Dry fit Panel Sill C to B.
4. Set 90 post D in place at the end of sill C.
5. Dry set Sill E from 90 post to back wall. Ensure all pieces are aligned
6. Set Wall Channel F on top of sill E and plumb with a level. Mark the holes onto the wall and drill with a 3/16" drill bit. Insert wall anchors (#16) and secure with 8 X 1 1/2 Screws (#15).
7. Ensure that sill E has not moved. insert setting blocks and set 90 Panel into the sill and wall channel.
8. Set the 90 post back in place over the edge of the glass and butted to sill E.
9. Set sill C and sill B together and into the stall curb A. insert setting blocks (#14) into the sill and the curb.
10. Set the 180 panel into the sills and the curb
11. Use glazing vinyl (#10) to seal both the 180 and 90 panels on both inside and outside. Be sure to seal the vertical joints of the sills with silicone
12. Continue with step 1 in main instructions.

Custom __SD290 Notes: Butt Joint Corner Installations

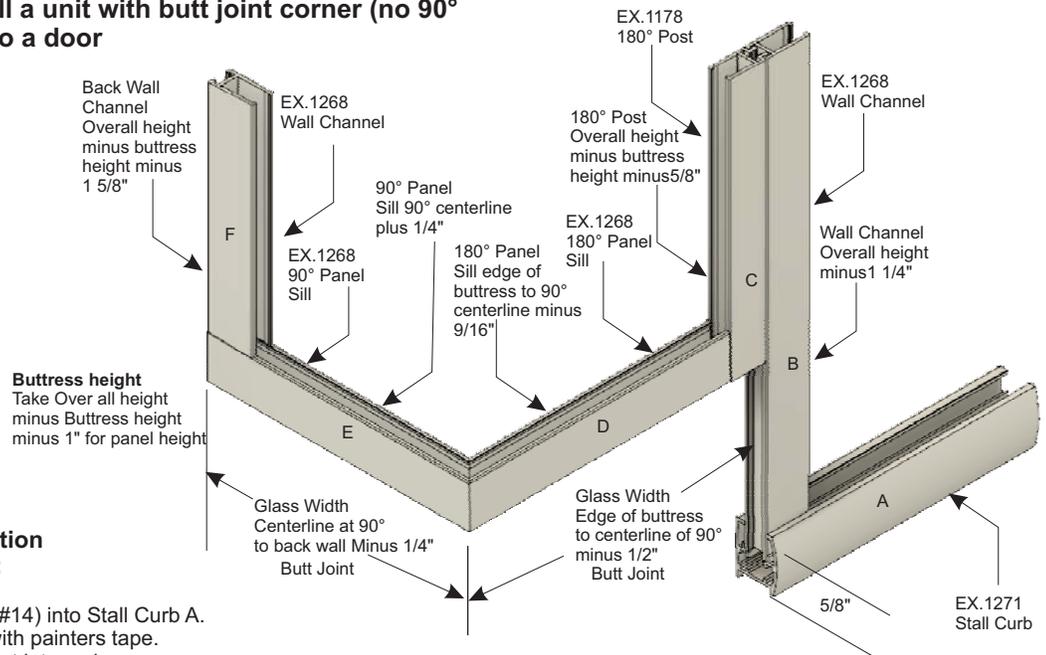
Use the following steps to install a unit with butt joint corner (no 90° post) and a notched in-line panel



These step should be done in conjunction with the main installation instructions:

1. Insert Foam plug (#13) and setting blocks (#14) into Stall Curb and Temporarily set Stall Curb A onto front centerline. Hold with painters tape.
2. Slide Wall Channel B into curb and against buttress face. Plumb it with a level to align remaining pieces.
3. Dry fit Panel Sill C to D to the back wall.
4. Set Wall Channel E on top of sill D and plumb with a level. Mark the holes onto the wall and drill with a 3/16" drill bit. Insert wall anchors (#16) and secure with 3 - #8 X 1 1/2 Screws (#15)
5. Reset the Panel Sill D to then insert setting blocks (#14) and Set buttress panel into place.
6. Align D to C and add setting Blocks. Silicone the sill miter. Set 180 panel into C.
7. Use 8 Pcs glazing vinyl (#10) to seal both the 180 and 90 panels on both inside and outside. Be sure to seal the vertical joints of the sills with silicone
8. Continue with step 1 in main instructions.

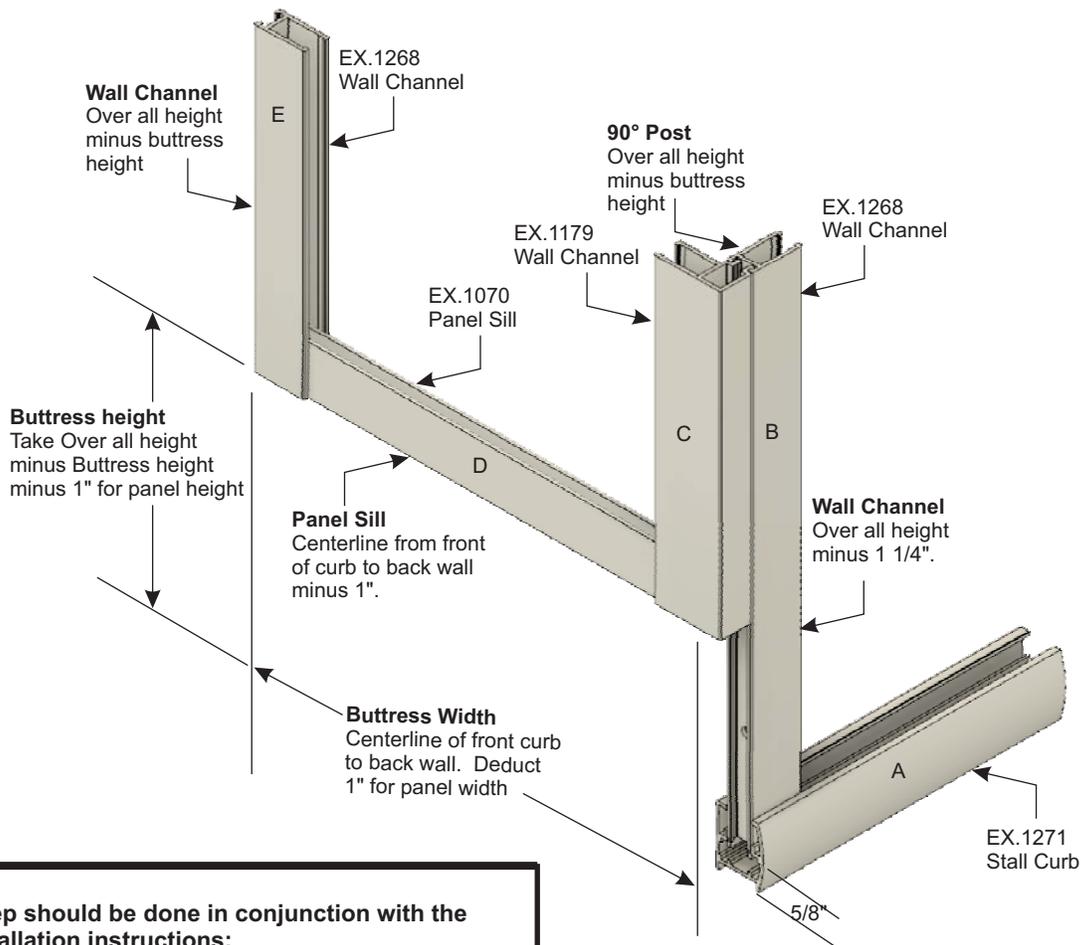
Use the following steps to install a unit with butt joint corner (no 90° post) and an in-line panel next to a door



These step should be done in conjunction with the main installation instructions:

1. Insert Foam plug (#13) and setting blocks (#14) into Stall Curb A. Set Stall Curb onto front centerline. Hold with painters tape.
2. Slide Wall Channel B into 180 post C and set into curb and against buttress face. Plumb with a level before aligning remaining pieces.
3. Dry fit Panel Sill D to E and to the back wall.
4. Set F on top of sill E and plumb F with a level. Mark holes onto wall and drill with 3/16" drill bit. Secure with 2 - wall anchors (#16) and 3 - 8 X 1 1/2 screws (15).
5. Reset the Panel Sill E to then insert setting blocks (#14) and Set buttress panel into place.
6. Align D to E and add setting Blocks. Silicone the faces of the sill miter. Set 180 panel into D.
7. Set B and C together and over the edge of the 180 panel and into the Curb
8. Use 4 Pieces glazing vinyl (#10) to seal both the 180 and 90 panels on both inside and outside. Be sure to seal the vertical joints of the sills with silicone
9. Continue with step 1 in main instructions

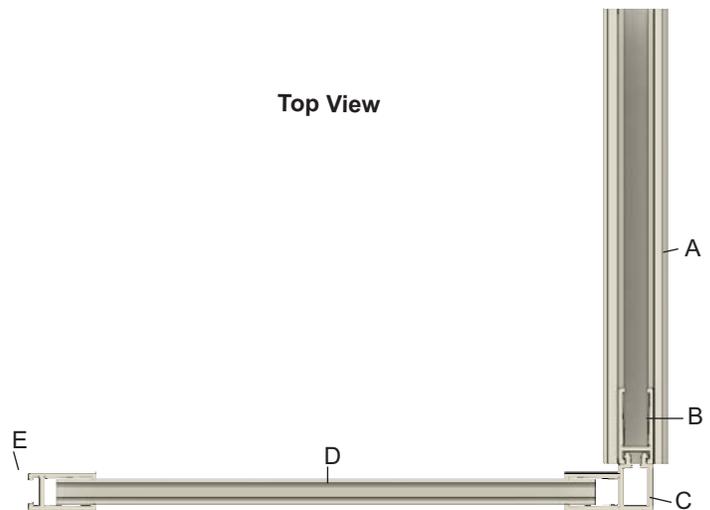
Use the following steps to install a unit with a buttress under the 90° panel



These step should be done in conjunction with the main installation instructions:

1. Insert Foam plugs (#13) and setting blocks (#14) into Stall Curb A as outlined in Step 1 on page 5
2. Set Stall Curb onto front centerline. Hold with painters tape.
3. Slide Wall Channel B into 180 post C and set into curb and against buttress face. Plumb with a level before aligning remaining pieces.
4. Dry fit Panel Sill D to C. and E and to the back wall.
5. Plumb E with a level and secure to wall.
6. Reset the Panel Sill D into Wall channel E.
7. Remove post combination B/C.
8. insert setting blocks and Set buttress panel into place.
9. Reinstall post B/C over glass edge
10. Continue with step one on Page 5 to set the curb.

Top View



READ ENTIRE MANUAL BEFORE INSTALLATION AND OPERATION

Warnings and General Shower Door Information

Page 24



HEAVY



CAUTION

**SAFETY
WARNINGS:**



SHARP



GLASS FRAGILE



EYEWARE

READ AND FOLLOW INSTRUCTIONS: Failure to follow all instructions, warnings and guidelines may result in serious injury or death, may cause water damage, and will void the terms of your warranty.

General Safety and Installation Policies

Before Installation:

- **Proper Size:** Ensure the enclosure is the proper size for your opening prior to beginning installation.
- **Safe Installation:** Some units may require two or more people to safely install the enclosure properly.
- **Packaging:** It is recommended to retain all packaging and other materials until installation is complete in the event of a return.
- **Inspect:** Installer should inventory all parts or components and inspect them for damage prior to beginning installation.
- **Sharp Edges:** Exposed ends of aluminum and other hard components can be rough, sharp or jagged due to the processes of cutting, drilling, notching, etc. Sharp ends must be deburred, smoothed or rounded by the installer before installation.
- **Safety equipment and tools:** Have all necessary safety equipment (glasses and gloves) and proper tools for the installation. The installer is responsible for determining the correct drill bit(s) for the installation.
- **New Tile:** We recommend that you allow at least 2 days (48 hours) for the tile cement and grout to dry before installing enclosure.

During Installation



- **Proper backing:** Shower doors are heavy. Therefore, glazing channels, fillers, hinges and headers blocks (structural components) should be secured to studs or solid backing beneath the tile or decorative substrate. Fasteners should screw directly into the backing. Wall anchors are provided primarily to separate screws from tile to reduce the possibility of cracking.

- **Tempered glass:** Glass can break. Shower door panels are tempered to ASTM C1048 specifications as required by building codes. Glass is tempered to greatly increase its strength and to make it fragment into smaller and lighter pieces reducing the possibility of injury in the event that the glass does break. Tempered glass will break and may cause bodily injury if you attempt to cut, drill, mill or alter it in any way. Care must be taken when handling tempered glass. Pay special attention to protect all edges of the glass from contact with hard surfaces.
- **Horizontal surfaces and installation holes:** Avoid drilling into the horizontal surfaces of tubs or showers unless it is required for the structural integrity of the unit. If you drill into horizontal surfaces, always generously caulk the holes, anchors, screws and on top of the screw head. If this is not done, or is done improperly, water damage can occur under the tile or substrate.
- **Weep holes in horizontal channels:** Drilling 3/8" weep holes on the inside of horizontal channels is recommended to allow any moisture build-up inside a channel to exit the channel. Due to varying installation conditions and installer's/owner's personal preference, however, we do not drill them in the factory.
- **Sliding and swinging glass doors:** A door may be improperly installed if it hits or scrapes against bathroom obstructions (toilets or cabinets) or any metal or glass components of the shower door itself. This could lead to glass breakage or serious injury. The installer must correct the deficiencies before allowing the door to be used.
- **Surface conditions:** Most shower door designs allow for out-of-square or unlevel installation. Generally, any outage more than 3/8" that was not identified during the ordering process is outside of these allowances and can result in an improper installation.

Caulking/Siliconing the Unit:

- Always clean all contact surfaces before caulking and use a high grade 100% silicone for best results.
- After installation, at a minimum, caulk the entire outside perimeter of the unit where the unit touches walls, sills, and step-ups, etc. Also caulk any vertical joints between metal components where water build-up inside of the channels could leak out.

After Installation:

- **Curing times:** Adhere to manufacturers' recommended curing times for VHB tapes, silicones and any other adhesives, coatings or chemicals used during installation. Unless otherwise stated, it is recommended to wait 72 hours before using the enclosure.
- **Normal wear and tear:** Although these enclosures are designed to last for years, certain items (such as the polycarbonate seals and door sweeps) may need to be replaced as they show signs of aging and wear.

General Disclaimers

- **Shower Doors are not watertight:** Consumers should understand that a shower door is not watertight. The amount of water that can escape your shower can vary greatly based on shower/tub size, configuration of shower head(s), type of thresholds and drains and by the type of shower door itself. Heavy glass units with no or limited vinyl seals, for example, can allow water to escape under normal conditions. Doors with more metal and seals generally provide more water protection. Excessive water pressure or directing shower heads or hand held sprays directly at doors or joints is not a normal shower conditions and can result in leaks.
- **Towel bars, handles and accessories** are in no way considered to be grab bars or other bracing or fall prevention mechanisms. The intent of these accessories is to facilitate proper operation or enhance the esthetics and functionality of the unit.

Owners Manual:

Refer to your Owners Manual for general installation and cleaning and care instructions. If a copy of the Owners Manual was not included, you can download one on the RESOURCES page of our website.

Questions or Comments:

1-800-843-3332