

Installation Instructions for the Accent
Swing Door with 180°, 90° Return Panel and Door at Wall.

Model: ASD290
MM.5065

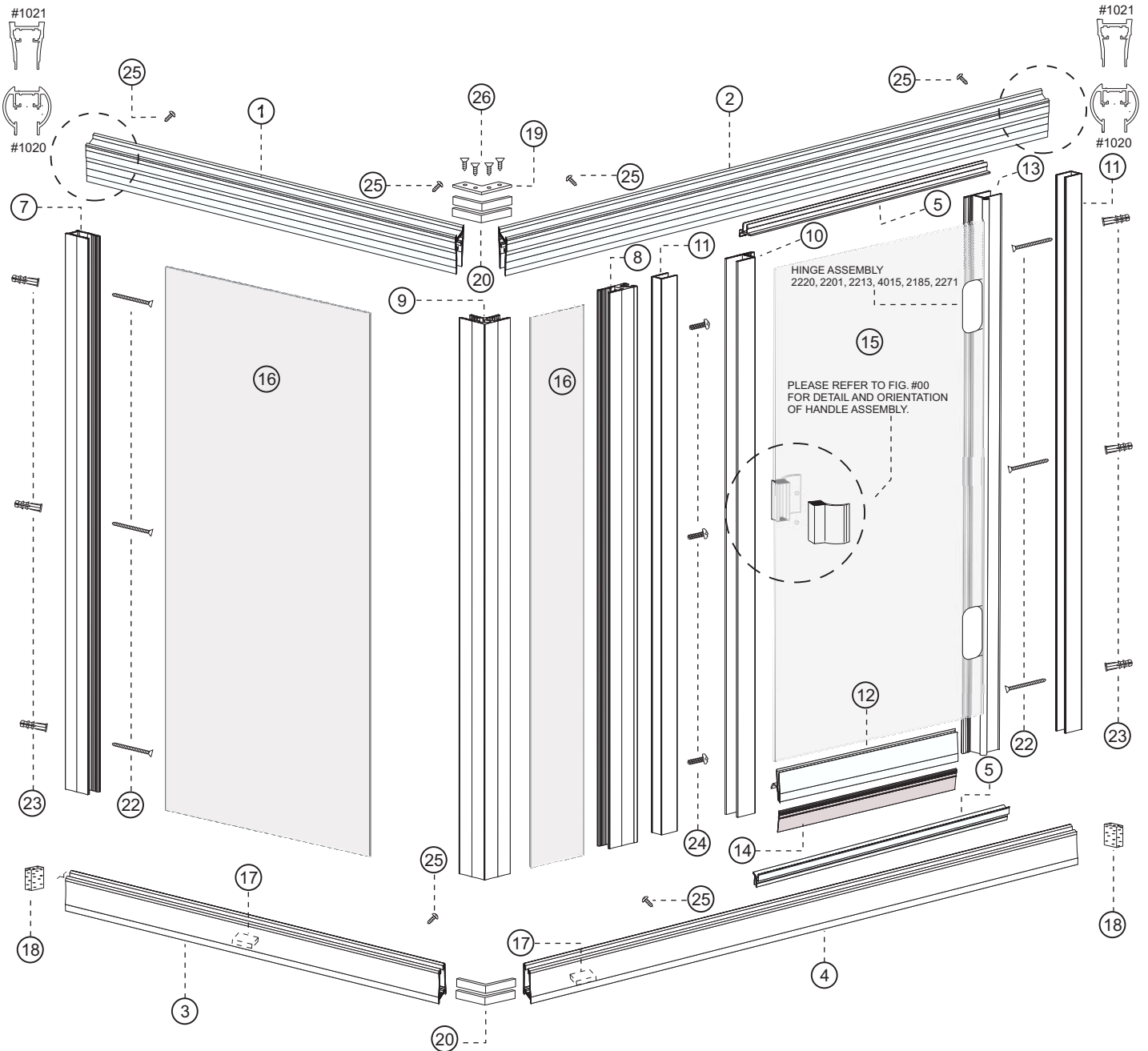
Rev. Date: 01-14-25



BP.3106.SIL - AS 290 Install Bag



FIG. #1 - ASD290 Shower Door Assembly



READ ENTIRE MANUAL BEFORE INSTALLATION AND OPERATION

Warnings and General Shower Door Information



**SAFETY
WARNINGS:**



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

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FIG # 2 - Shower Door Side View

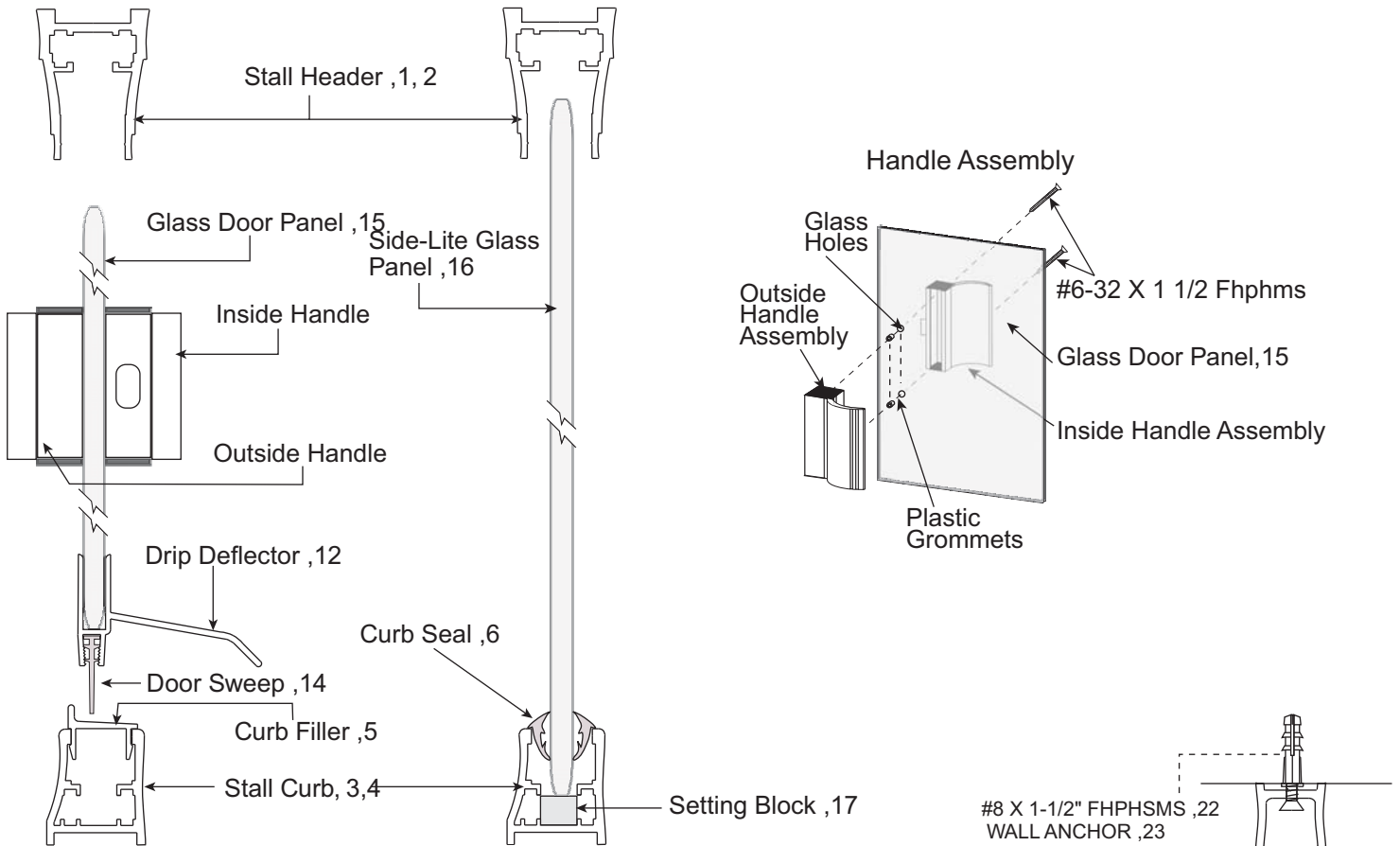
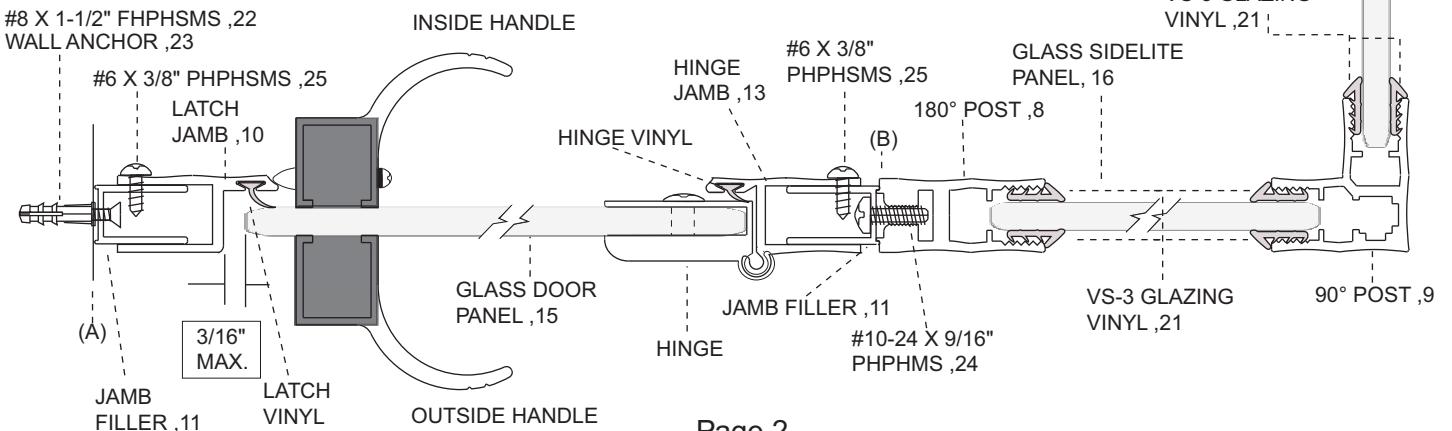


Fig. #3 - Shower Door Assembly - Top View



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Fig. #4 - Stall Curb Filler Fig. #5 - Notching

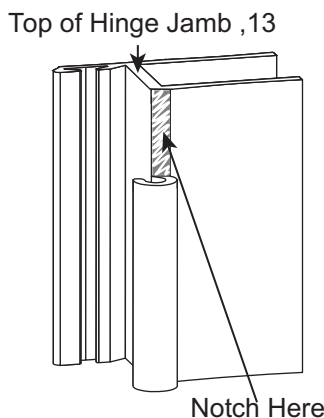
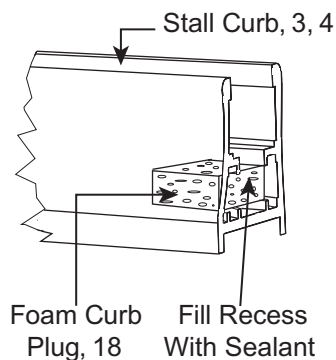


Fig. #6 Jamb Filler

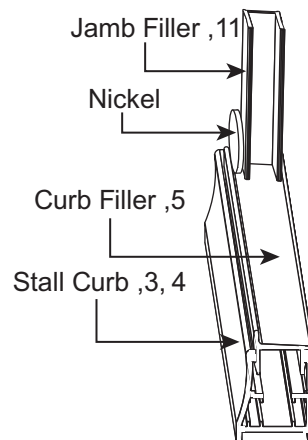
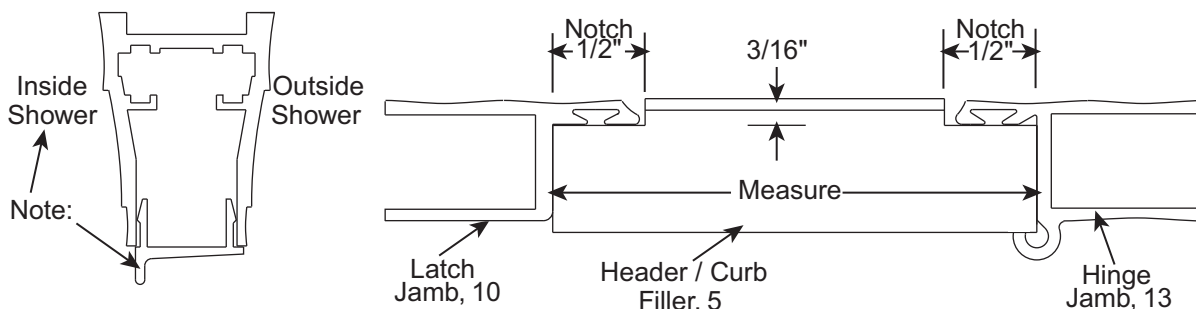


Fig. #7 Header Filler #1025 Measurements



6144 - ASD-290 & USD-290 DAW Parts List

ITEM #	PART#	DESCRIPTION	QTY.	ITEM #	PART#	DESCRIPTION	QTY.
1	1021/1020	STALL HEADER LEFT SEC.	1	14	4018	VV-2 BOTTOM SWEEP	1
2	1021/1020	STALL HEADER RIGHT SEC.	1	FIG. #00	3004	HANDLE ASSEMBLY	1
3	1022	STALL CURB LEFT SEC.	1	15	7004	DOOR GLASS PANEL	1
4	1022	STALL CURB RIGHT SEC.	1	16	7006	SIDE LITE GLASS PANEL	2
5	1025	STALL HEADER/ CURB FILLER	2	17	2203	GLASS SETTING BLOCK	2
6	4011	VS-1 CURB SEAL	1	18	2204	FOAM PLUG	2
7	1026	WALL CHANNEL	1	19	2016	90° STALL HEADER PLATE	1
8	1031	180° POST	1	20	2015	90° STALL HEADER/ CURB CLIP	4
9	1028	90° POST	1	21	4013	VS-3 GLAZING VINYL	8
10	1001	LATCH JAMB	1	22	2101	#8 X 1-1/2 FHPHMS	10
	4015	VS-5 LATCH JAMB VINYL	1	23	2217	3/16 WALL ANCHOR	10
11	1003	JAMB FILLER	2	24	2111	#10-24 X 9/16 PPHMS	3
12	1009	DRIP DEFLECTOR	1	25	2102	#6 X 3/8 PPHMS	6
	1002	HINGE JAMB	1	26	2103	#6 X 3/8 FHPHMS	4
	2220	HINGE	2	27	2107	#8 X 1/2 PPH TEK	6
	2201	HINGE PIN	2				
	2213	HINGE BUSHING	4				
	4015	VS-5 HINGE JAMB VINYL	1				
	2185	#8-32 X 7/16 TRUSS HEAD	2				
	2271	3/16 PLASTIC GROMMET	2				

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ASD290/290

These installation instructions must be followed to ensure proper operation of the door and to reduce the risk of serious injury. Any deviation from these instructions can result in a serious safety hazard.

All exposed ends of aluminum that are rough, sharp or jagged due to metal being cut, drilled or damaged should be de-burred, smoothed or rounded by the installer before installation. Failure to do so could result in serious injury to the user of the enclosure.

Any part of the swinging glass panels hitting any unprotected bathroom obstruction or metal or glass component of the shower door itself, may indicate improper installation and could lead to serious injury. Installers must correct the deficiencies before allowing the door to be used.



SPECIAL NOTE:

Drilling holes and anchoring horizontal sills and curbs to thresholds and tub decks is discouraged and is left to your discretion. Using masking tape or double-sided tapes to hold these components down during installation is recommended to minimize the potential for water leaking underneath flooring and onto ceilings below. These instructions do not recommend drilling holes on horizontal surfaces for this reason. Deviating from recommended installation instructions voids the Agalite Lifetime Warranty.

STEPS 1 - STALL CURB:

On the shower base, mark the centerline of the unit and measure each centerline distance. Add 1/2" to each measurement and transfer to the appropriate curb sections, ITEM #3 and ITEM #4. NOTE: All dimensions on the Curb and Header are measured from the tip, (farthest point), of the 45° miter. Be sure to select the curb that is mitered in the direction for the side that you are measuring. Also, be sure that weep holes are oriented to the inside of the shower. At this time, cut only the curb sections to their installed lengths. Straight cut the butt ends opposite the miter to achieve the finished length. Insert one Curb Plug, ITEM #18, into the straight cut end of each Stall Curb and recess approximately 1/8", refer to FIGURE #2. Fill each recess with sealant. Take two 90° Curb Clips, ITEM #20, and assemble the right and left curb sections, refer to FIGURE #1. Set the curb sections in place over the centerline of shower and temporarily secure in place with masking tape. Insert one Setting Block, ITEM #17, into the curb where each sidelite panel will set, see FIGURE #1. With a screwdriver or other appropriate tool, press each of the Curb Plugs with the sealant into each wall sealing the curb ends. Seal the mitered corner by using a cotton swab to apply sealant to the inside of the curb at the miter and sealing the bottom and ends of the corner clips.

STEP 2 - WALL CHANNEL:

Center the Wall Channel, ITEM #7, on the 90° Sidelite Panel end of the Stall Curb and against the wall with open edge of channel facing away from wall. Refer to FIGURE #3. Plumb the Wall Channel, then using the wall channel's pre-drilled holes as a template; mark the three installation holes on the wall. Remove Wall Channel and drill holes into the wall with a 3/16" drill bit. (Use carbide tipped bit if going into tile or other types of masonry material). Insert one Wall Anchor, ITEM #23, into each hole. Reposition the Wall Channel, and secure with 3 screws (#8 X 1-1/2" FHPHSMS), ITEM #22.

STEP 3 - SIDELITE PANEL:

Insert the Sidelite Glass Panel, ITEM #16, into the curb and slide into the Wall Channel. NOTE: If obscure, frosted or pebbled glass is used, insure that the rough side of the panel faces to the outside. Set the 90° Post, ITEM #9, into the curb and over the edge of the glass panel. With a level, plumb the 90° Post and temporarily hold the post in place by glazing the top of the post with a few inches of the VS-3 Glazing Vinyl, ITEM #21. NOTE: (Do not cut the vinyl at this time). Insert the second Sidelite Glass Panel, ITEM #16, into the curb and slide into the 90° Post and temporarily glaze with VS-3 Glazing Vinyl. Set the 180° Post into the curb and over the edge of the glass panel. Adjust door opening by first noting what size door you have been supplied with your unit. It will be marked on the front of the door carton with a designation of ASD - then a door size. EXAMPLE: (ASD-24). Take your door size and add 1/4" to it. This is the minimum dimension that you must have between the leading edge of the 180° Post and the wall. Refer to FIGURE #3. Move the bottom of the 180° Post to this position. With a level, plumb the 180° Post and temporarily hold the post in place by glazing the top of the post with a few inches of VS-3 Vinyl. NOTE: (Do not cut the vinyl at this time). At this time it is necessary to determine if the Sidelite Glass Panel is far enough into both vertical posts for proper glazing. 1/4" is the minimum penetration into each post. If this minimum penetration is not met, the 180° Post must be moved further onto the sidelite panel to achieve the necessary coverage. The door assembly will cover any discrepancy.

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Swing Door with 180°, 90° Return Panel and Door at Wall.

Model: ASD290

MM.5065



ASD290/290

STEP 4 - CURB FILLER:

Measure between the 180° Post and the wall and cut the Curb Filler, ITEM #5, to this dimension. With the vertical water dam of the Curb Filler to the outside of the shower, firmly snap into place between the 180° Post and the wall. Refer to FIGURE #6, for proper orientation. The door assembly will be installed on top of the Curb Filler. Install one Jamb Filler, ITEM #11, at the wall opposite the 180° Post. This jamb will support either the Hinge Jamb or the Latch Jamb, depending on your requirements. Refer to FIGURE #5 for technique to ensure proper spacing of jamb filler on the curb filler.

STEP 5 - STALL HEADER:

Use a hand level to plumb the 90° post in both directions. With the post plumb, measure from the outside corner of the post to each wall. Add a 1/4" to this measurement if you are using the #1021 Stall Header, or add 7/16" if you are using the #1020 Stall Header. Mark this dimension on a Header section, ITEM #1 or #2. NOTE: All dimensions on the header and curb are measured from the tip, (the farthest point) of the 45° miter. Be sure to select the header that is mitered in the right direction for the side that you are measuring. At this time, cut the header to length by cutting the butt end opposite the miter to achieve the finished length. Repeat this procedure for the second header section. Assemble the right and left header sections with 2- 90° Header Clips, ITEM #20, and the 90° Header Plate, ITEM #19. Do this by drilling through the holes in the plate into the headers with a #32 wire gauge drill bit. Secure with 4 screws (#6 X 3/8" FPHSMS), ITEM #26. Refer to FIGURE #1. Set the headers in place over the vertical posts. Secure the header assembly to the vertical posts from the inside of the shower by drilling through the headers into each vertical post with a #32 wire gauge drill bit. Start with the Wall Channel at the Back wall, then the 90° Post. Next, plumb the 180° Post and repeat the procedure. Be very careful not to drill or screw into the glass panel. The panel can be moved side to side while drilling. Secure the headers with 3 screws (#6 X 3/8" PHPSM), ITEM #25. The Header over the Jamb Filler must be left unsecured at this time. The bottom of the 90° Post and 180° Post are secured by drilling through the Stall Curb into the Post with the same #32 wire gauge drill bit. Secure with 2 screws (#6 X 3/8" PHPSMS), ITEM #25. After attachment is complete, center the sidelite panels between the posts and glaze the verticals with 8 strips of VS-3 vinyl, ITEM #21, and 4 strips of VS-4 Curb Seal, ITEM #6. NOTE: The vinyl seals are designed to be tight to provide maximum water protection, and minimize shrinkage due to temperature extremes. If it becomes difficult to push the vinyl in place, lubricate it with glass cleaner. This will allow easy installation then will evaporate leaving the vinyl tight and smooth. SPECIAL NOTE: Do not use any type of grease, oils, or silicone sprays as these will harm the vinyl and will stay in place long after the installation is complete compromising safety as well as water protection. Finish this step by installing the remaining Jamb Filler to the 180° Post as follows: Position the closed edge of the Jamb Filler to the 180° Post with the bottom of the filler resting on top of the Curb Filler. Secure the filler to the post with 3 screws (#10-24 X 9/16" PHPSM), ITEM #24. Refer to FIGURE #3. CAUTION: Do not over tighten the screws.

STEP 6 - DRIP DEFLECTOR:

Take the Door Sweep, ITEM #14, and slide it into the bottom of the Drip Deflector, ITEM #12, as shown in FIGURE #6. A mild solution of soapy water will help if the sweep is difficult to pull through. The vinyl sweep has a memory when it is stretched, so be sure to work the sweep back and forth after it is drawn into the deflector. Trim the vinyl leaving 1/4" of the Door Sweep protruding from each end. Set the door assembly on its top on a cushion or pad, so that the bottom of the door is up. Set the Drip Deflector over the bottom edge of the door with the deflector portion to the inside of the shower. With a mallet or block of wood, gently tap the deflector over the edge of the door panel as far as it will go. In most cases, the glass thickness is enough to hold the Drip Deflector in place for the life of the door. In some circumstances the glass may be slightly thinner, depending on the type of glass being used, or the manufacturer of the glass it's self. In these cases, the corners of the Deflector may be "pinched" to hold the Deflector in place, or simply inject a small amount of caulking into the channel where the glass will fit to maximize the holding power of the Deflector. NOTE: Only a small amount of caulking is necessary, too much caulking will be squeezed out during adjustment. It will be readjusted later. Make sure that the Drip Deflector does not protrude past the edge of the glass on the handle side.

STEP 7 - DOOR ASSEMBLY:

Measure the distance from the top of the Curb Filler to the bottom of the Header assembly. Transfer this dimension to the hinge jamb, measuring from the bottom and make your mark at the top of the jamb. Insert a hacksaw into the notch that is at the top of the hinge jamb and continue the notch down to the mark you made, then notch off. This procedure can be performed while still attached to the glass panel. Refer to FIGURE #5. NOTE: The ASDJ door is designed to adjust upward in width from a tight position a total of 1". EXAMPLE: An ASD-24 door will fit a net opening of 24" tight up to 25" totally expanded out. The net opening for this model is the dimension between 180° Post and the wall (the same dimension that the Curb Filler was cut to.

Installation Instructions for the Accent Swing Door with 180°, 90° Return Panel and Door at Wall.

Model: ASD290
MM.5065



ASD290/290 Assembly Instructions.

STEP 7 - DOOR ASSEMBLY Cont:

Adjustment should be made by adjusting the Hinge Jamb first, then the Latch Jamb, equally off both Jamb Fillers. Slide the door assembly over the appropriate Jamb Filler and move it to the determined dimension off the wall or 180° Post. Use a small level placed along the top horizontal edge of the glass to level the door. From the inside of the shower, drill through the top pilot hole in the Hinge Jamb into the Jamb Filler using a #32 wire gauge drill bit. Secure the top hole with one #6 X 3/8" PHPHMS screw, ITEM #25. The door will hold in place with only the top screw installed. Next, re-level the door and drill through the middle and bottom holes with a #32 wire gauge drill bit then secure with 2 screws (#6 X 3/8" PHPHMS), ITEM #25.

STEP 8 - LATCH JAMB:

Slide the Latch Jamb in place over the appropriate Jamb and up into the header. Do not secure the Latch Jamb at this time. Move the door to the closed position, pulling the Latch Jamb off enough so that it stops the door. With the door closed, the reveal between the vertical glass edge of the door and the Latch Jamb is a maximum of 3/16" for the handle catch to work properly. A 1/8" is ideal. Please see FIGURE #3, for adjustment detail. From the inside of the shower, drill through the factory holes in the Latch Jamb into the Jamb Filler using a #32 wire gauge drill bit. Secure the Latch Jamb with 3 screws (#6 X 3/8" PHPHMS), ITEM #25.

STEP 9 - HANDLE ASSEMBLY:

Take the Inside Handle assembly with the bullet catch and adjustment screw and insert screws (#6-32 X 1-1/2" FHPHMS) into the screw holes. Slide one Plastic Grommet over each threaded portion of the screws. With the door in the open position, from the inside of the door, insert this Handle assembly through the corresponding holes in the glass panel. Holding the assembly in place set the Outside Handle assembly in place over the holes and tighten the screws. **WARNING:** This shower door should not be installed without grommets. The grommets prevent the glass from touching the metal screw. If the metal touched the glass, the glass can break and create a serious safety hazard. Adjust the catch mechanism as necessary by turning the Phillips head screw on the inside Handle assembly. Finish the installation by adjusting the Drip Deflector as follows: Close the door and from either the inside or the outside, use a block of wood to tap the deflector down so that the Door sweep is approximately 1/16" above the Curb Filler's horizontal surface. The deflector does not need to be tilted to function properly.

STEP 10 - HEADER FILLER:

Measure between the Hinge Jamb and Latch Jamb at the header, then cut the Header Filler, ITEM #5, to this dimension. Notch ends both ends to fit. Refer to FIGURE #7.

STEP 11 - CAULKING:

First, seal each end of the Drip Deflector with caulk, then run a bead of caulking the full length on the inside of the shower where each Jamb Filler meets the wall and across the bottom where it meets the shower base. Finish by sealing each end of the Curb Filler, ITEM #5, located under the door.

6144 - ASD & USD 290/290 DAW Step-Up Instructions

STEP 1 – MEASURE:

Measure between wall and buttress, subtract 1/16" and cut Stall Curb (#3,4) to length. Set in place on threshold. Cut Curb Filler (#5) to same length as Stall Curb and snap into place. Hold Stall Curb in place with strips of masking tape.

STEP 2 - JAMB FILLER:

Attach Jamb Filler (#11) to 90° Post, (#9), with 3- #10-24 x 9/16" PHPHMS, screws (#24). Set attached jambs in place and plumb with a level. Set Panel Sill in place lined up off of attached post. Hold in place with strips of masking tape. Remove attached post. Seal end of panel sill at wall with caulking.

STEP 3 – WALL CHANNEL:

Set Wall Channel in place on top of panel sill, plumb and secure to wall. Insert Setting Blocks and install side-lite panel.

STEP 4 - BUTTRESS:

Reinstall attached post and secure to buttress face.

STEP 5-11:

Follow Steps 5 - 11 in the main instruction sheet.

