

ASSEMBLY AND GLAZING INSTRUCTIONS

SERIES PDR-225 WINDOW WALL



Oldcastle BuildingEnvelope®

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11M0317

IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION

THE ASSEMBLY DETAILS FOUND IN THIS PACKAGE ARE GENERIC AND ARE FOR REPRESENTATION ONLY WITH THE INTENT OF GIVING THE ASSEMBLY TEAM A VISUAL REPRESENTATION AS TO HOW THE ASSEMBLIES TYPICALLY ASSEMBLE. THE SHOP SUBMISSION DRAWINGS AND DETAILS ARE THE GOVERNING DOCUMENTS AND AS SUCH THIS PACKAGE IS TO BE USED ONLY AS A RESOURCE.

FOLLOW SEALANT MANUFACTURER'S RECOMMENDATIONS FOR USE AND APPLICATION OF WEATHER SEAL SILICONE SEALANT.

NOTE: CUSTOMER / PROJECT QUALITY ASSURANCE PROCEDURES ARE SEPARATE DOCUMENTS AND ARE TO BE FOLLOWED IN CONJUNCTION WITH THIS MANUAL.

GENERAL INFORMATION

PRODUCT USE

The PDR-225 Window Wall system is intended for assembly and installation by glazing professionals with appropriate experience. Subcontractors must be qualified to provide field instruction and project management.

Oldcastle BuildingEnvelope® does not control the application of its product configurations, sealant, or glazing material and assumes no responsibility for the application. It is the responsibility of the owner, architect, and installer to make these selections in strict compliance with applicable laws and building codes.

The air and water performance of the PDR-225 Window Wall is directly related to the completeness and integrity of the assembly and installation process of the seal installed at the horizontal to vertical connections and at the interior side of the glass.

Variations on details shown may occur, but are not the responsibility of Oldcastle BuildingEnvelope®.

PROTECTION AND STORAGE

Handle all material carefully. Do not drop from the truck. Stack with adequate separation so the material will not rub together. Store material off the ground, protecting against the elements and other construction hazards by using a well ventilated covering. Remove material from package if wet or located in a damp area. For further guidelines consult AAMA publication "Care and Handling of Architectural Aluminum from Shop to Site".

CHECK MATERIAL

Check glass dimensions for overall size as well as thickness. Oldcastle BuildingEnvelope® cannot be held responsible for gaskets that are not water tight due to extreme glass tolerances. The PDR-225 system is designed to accommodate glass or panels measuring 1" in thickness (+/- 1/32").

Check all materials upon arrival at job site for quality and to determine any shipping damage. Using the contract documents, completely check the surrounding conditions that will receive your materials. Notify the general contractor by letter of any discrepancies before proceeding with the work. Failure to do so constitutes acceptance of work by other trades.

Check shop drawings, installation instructions, architectural drawings and shipping lists to become familiar with the project. The shop drawings take precedence and include specific details for the project. The assembly and installation instructions are of a general nature and cover the most common conditions.

GENERAL INFORMATION (CONTINUED)

Due to varying job conditions, all sealant must be approved by the sealant manufacturer to ensure it will perform per conditions shown on the instructions and shop drawings. The sealant must be compatible with all surfaces in which adhesion is required, including other sealant surfaces. Use primers where directed by sealant manufacturer. Properly store sealant at the recommended temperatures and check sealant for expiration date and shelf life before using.

FIELD CONDITIONS

All material to be installed plumb, level, and true. Aluminum to be placed in direct contact with masonry or incompatible material should be isolated with a heavy coat of zinc rich, bituminous paint or non-metallic material unless otherwise specified. After sealant is set and a representative amount of the wall has been glazed (250 sq. ft. or more), perform a water hose test in accordance with AAMA 501.2. On large projects the hose test must be repeated during the glazing operation. Review anchors or embeds in structure as early as possible to confirm that 'as built' building structure can accommodate anticipated anchor tolerances.

CLEANING MATERIALS

Cement, plaster terrazzo, alkaline, and acid based materials used to clean masonry are very harmful to finishes. Any residue should be removed with water and mild soap immediately or permanent staining will occur. A spot test is recommended before any cleaning agent is used. Refer to the architectural finish guide in the detail catalogue.

EXPANSION JOINTS

Expansion joints and perimeter joints shown in these instructions and in the shop drawings are shown at nominal size. Actual dimensions may vary due to perimeter conditions and/or differences in metal temperature between the time of fabrication and the time of assembly/installation. For example, a 12' unrestrained length of aluminum can expand or contract 3/32" over a temperature change of 50 degrees F. Any movement potential should be accounted for at the time of fabrication, assembly, and installation.

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FABRICATION

Measuring and Cutting Material

Measure ROUGH OPENING to determine FRAME WIDTH and FRAME HEIGHT dimensions. Allow 1/2" (12.5 mm) minimum clearance at Head and Sill Cans and 3/4" (19 mm) minimum clearance at Jamb for shimming and caulking around perimeter frame. Cut material to size per dimensions given below:

Frame Members

Head and Sill Can: Net Frame plus 1-1/2" (38 mm)

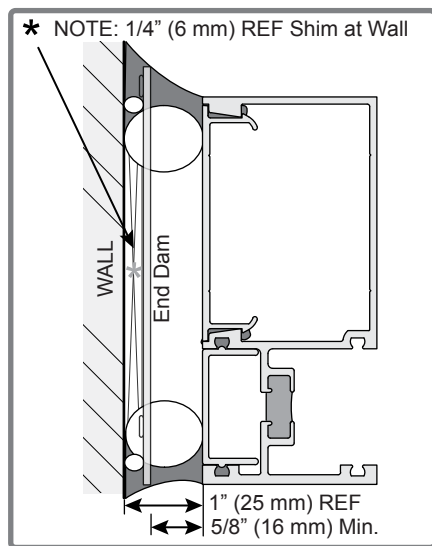
Jamb, Vertical Mullion and Filler: Frame Height [Net Frame Dimension minus 1-7/8" (48 mm)]

Head, Sill and Horizontal: Daylight Opening (D.L.O.)

Gaskets

Horizontal Gaskets: D.L.O. plus an additional 1/4" (6 mm) every Foot

Vertical Gaskets: D.L.O. plus 1" (25 mm) plus an additional 1/4" (6 mm) every Foot



Net Frame plus 1-1/2" (38 mm)

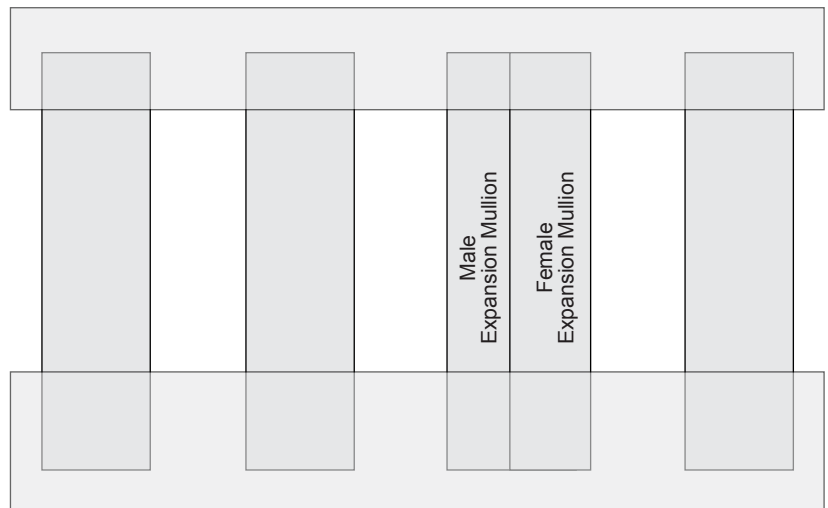
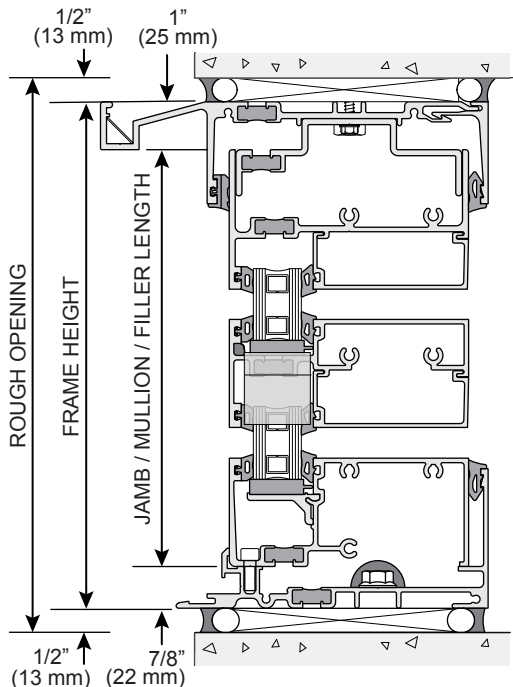
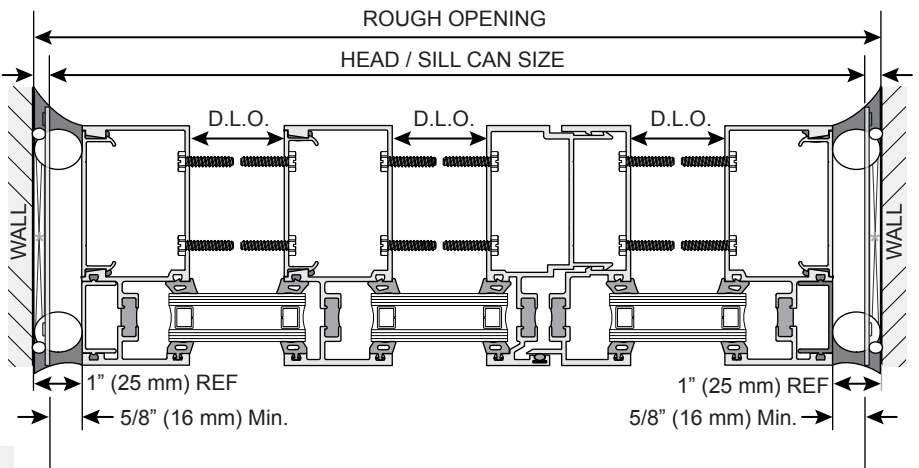
Frame Height [Net Frame Dimension minus 1-7/8" (48 mm)]

Daylight Opening (D.L.O.)

D.L.O. plus an additional 1/4" (6 mm) every Foot

D.L.O. plus 1" (25 mm) plus an additional 1/4" (6 mm) every Foot

NOTE: Unless otherwise noted, the details in this manual reflect 1" (25 mm) glazing and are representative of typical non-corner conditions.



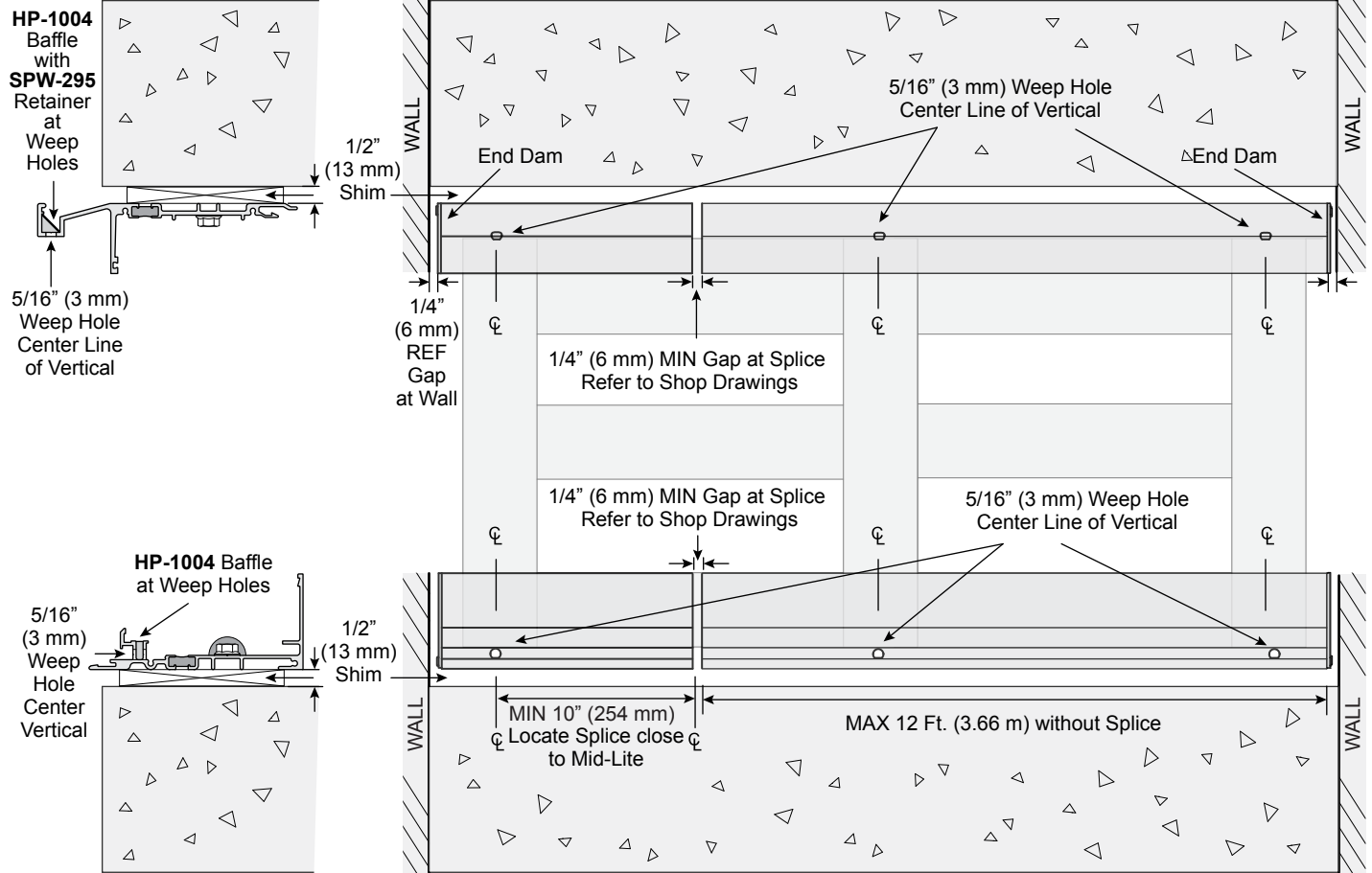
NOTE: Glass Bite is 7/16" (11 mm) Typ.

NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.

HEAD AND SILL CAN FABRICATION

Splice Placement

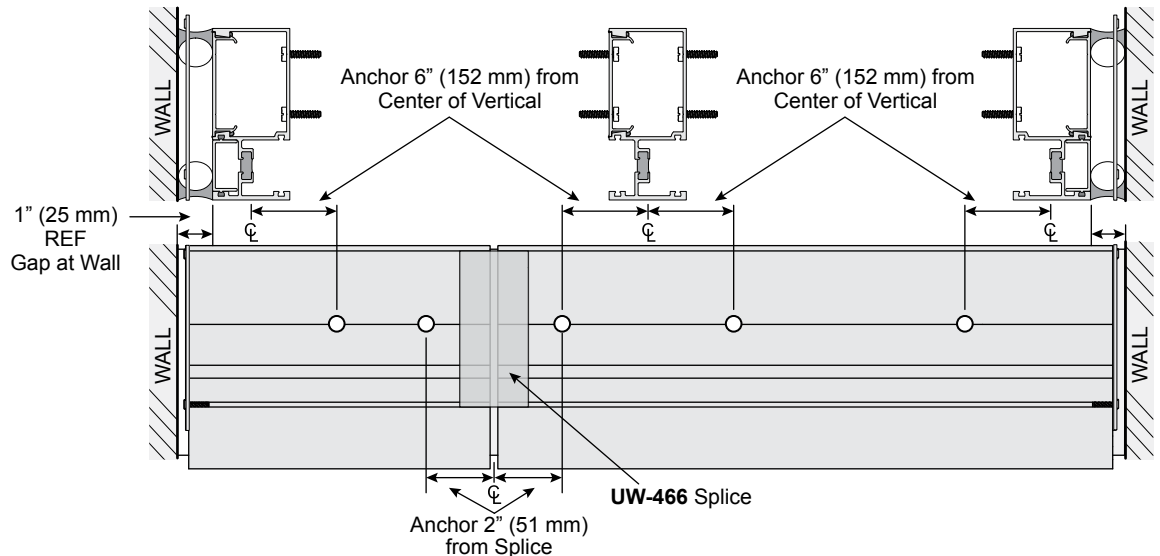
Head and Sill Can Face View



NOTE: FWW-505 Head Can and FWW-508 Sill Can Shown. FWW-513 and FWW-514 similar.

Fastener Hole Placement

Sill Can Top View (Head Can Similar)

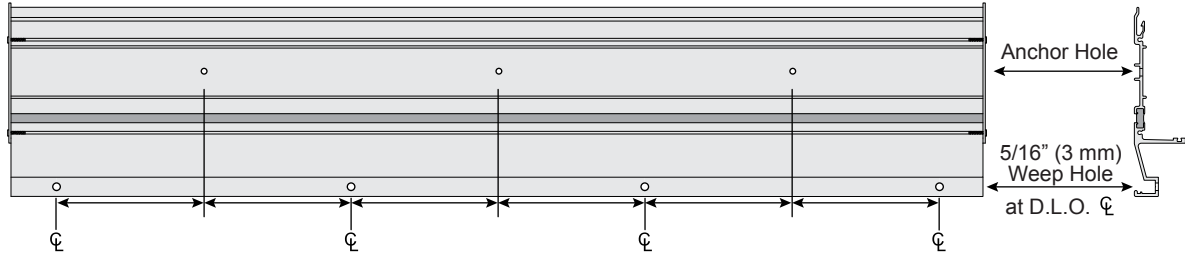


NOTE: Dimensions are shown for reference only. Anchor bolt size and frequency determined per project by structural engineering. Refer to your Shop Drawings.

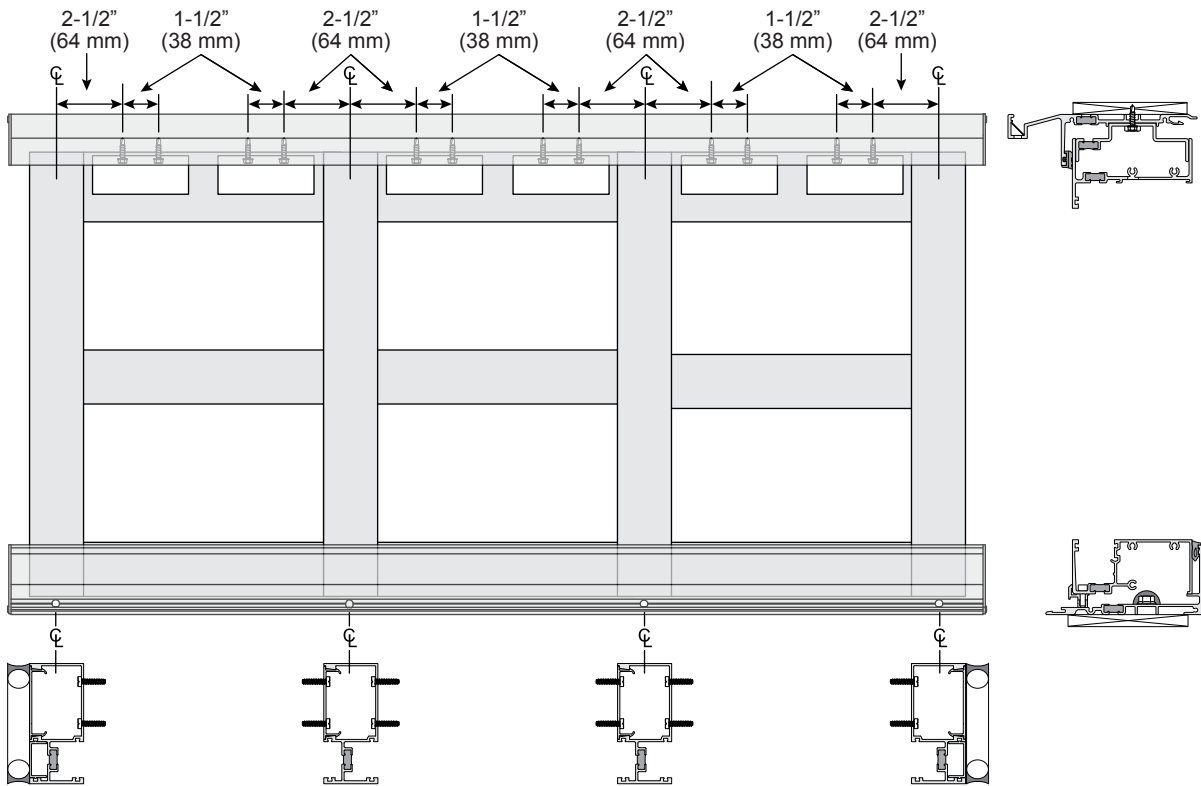
HEAD AND SILL CAN FABRICATION (CONTINUED)

Weep Hole Placement

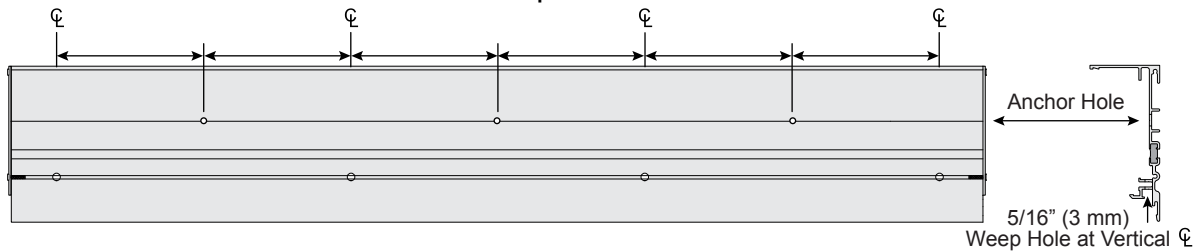
Head Can Anchor and Weep Hole Spacing
Head Can Top View



Head Anchor Spacing
Front View with Panels



Sill Can Anchor and Weep Hole Spacing
Sill Can Top View

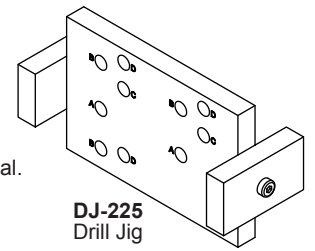
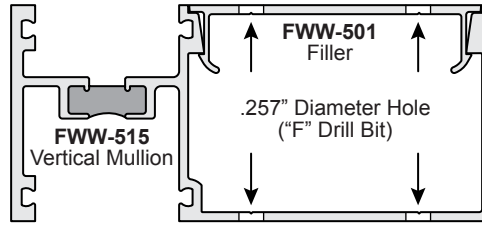
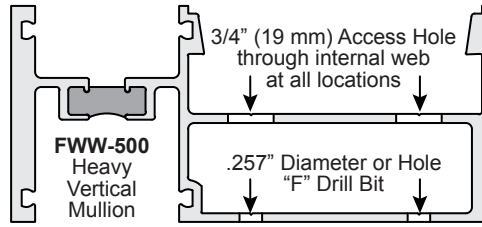
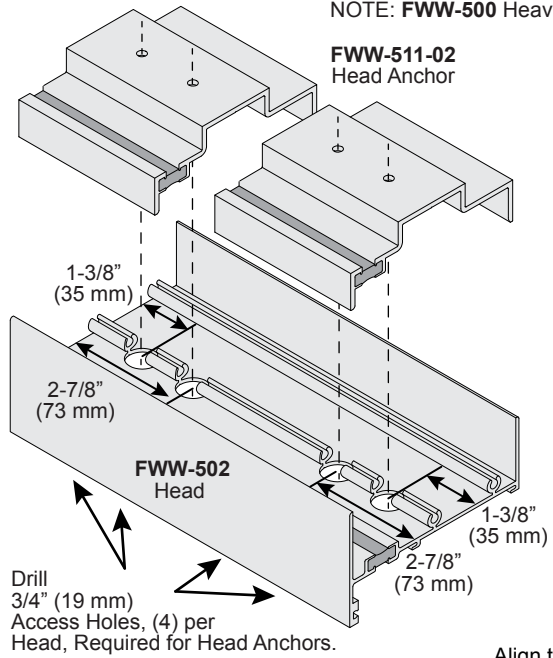


NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.

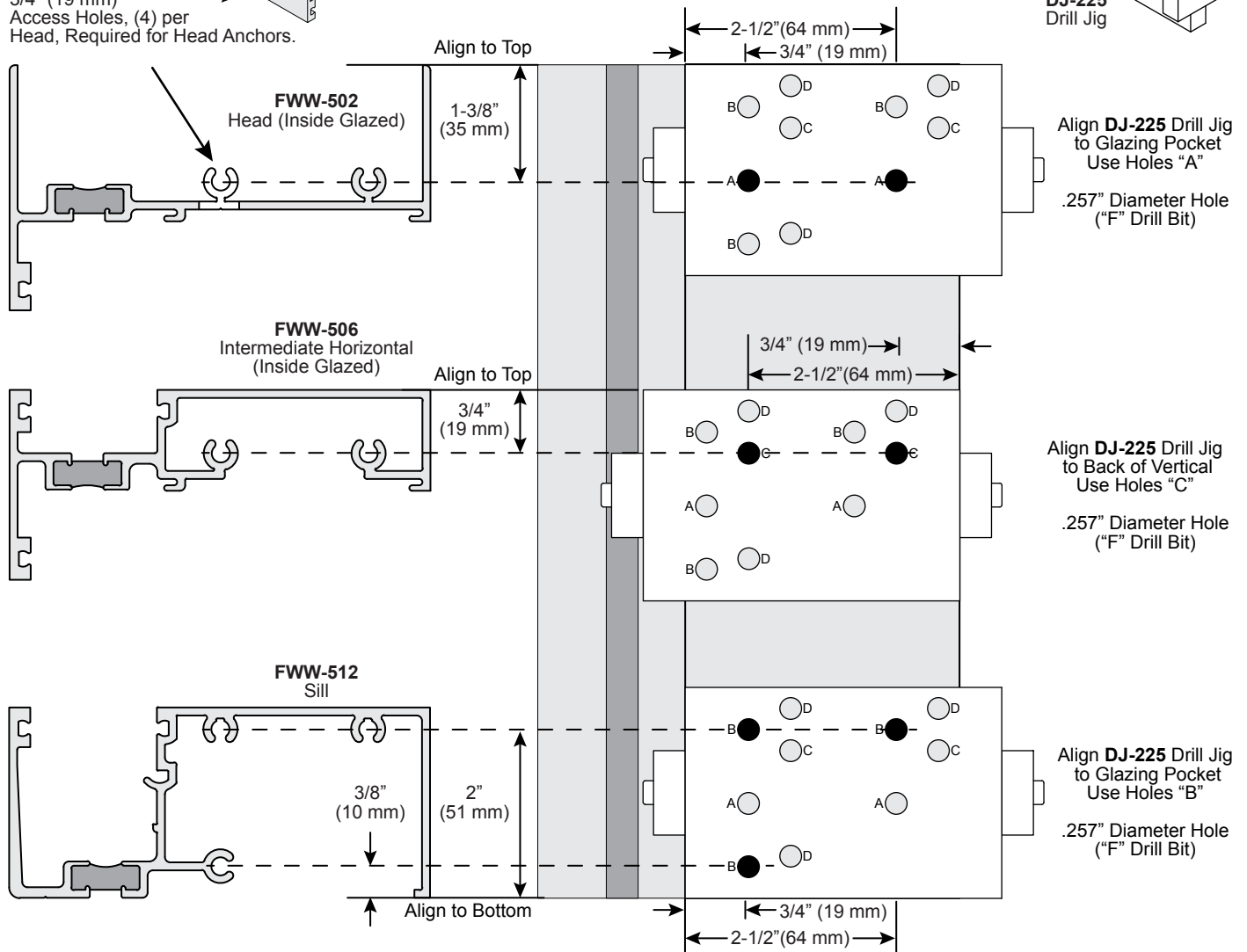
FRAME FABRICATION

INSIDE GLAZED FRAME FABRICATION

NOTE: FWW-500 Heavy Vertical Mullion requires Access Holes through internal web in addition to Mounting Holes.



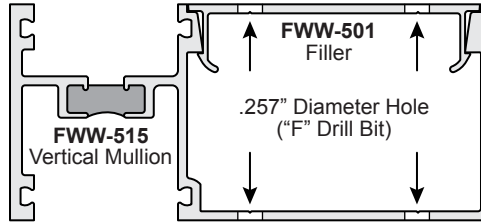
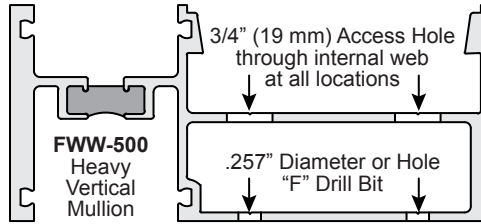
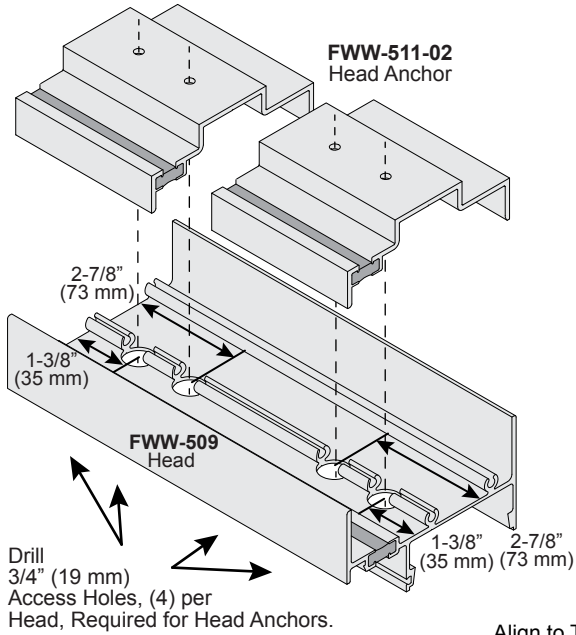
NOTE: FWW-515 Vertical Mullion shown in this manual. FWW-500 Heavy Vertical Mullion similar.



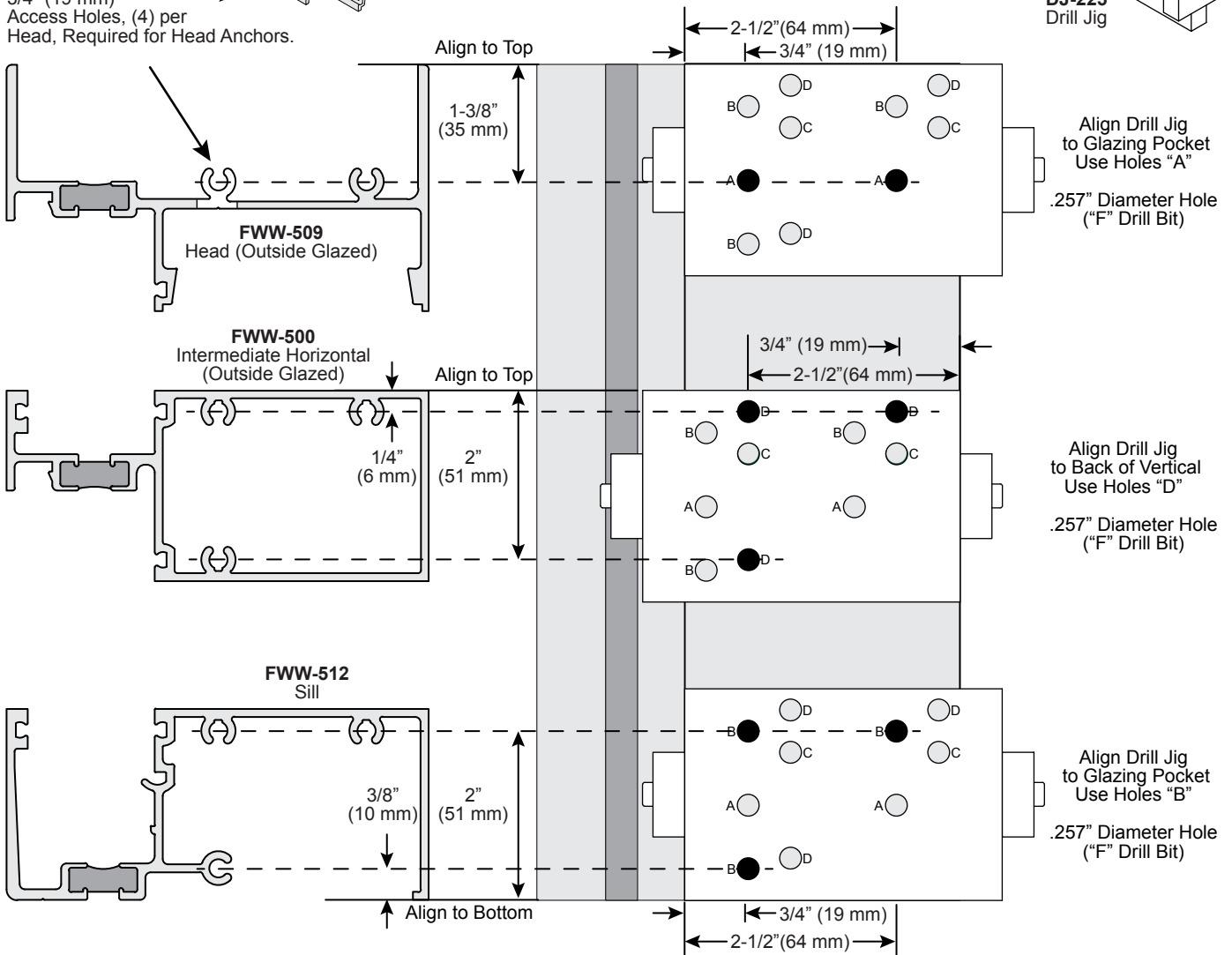
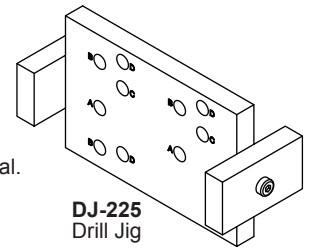
FRAME FABRICATION (CONTINUED)

OUTSIDE GLAZED FRAME FABRICATION

NOTE: FWW-500 Heavy Vertical Mullion requires Access Holes through internal web in addition to Mounting Holes.

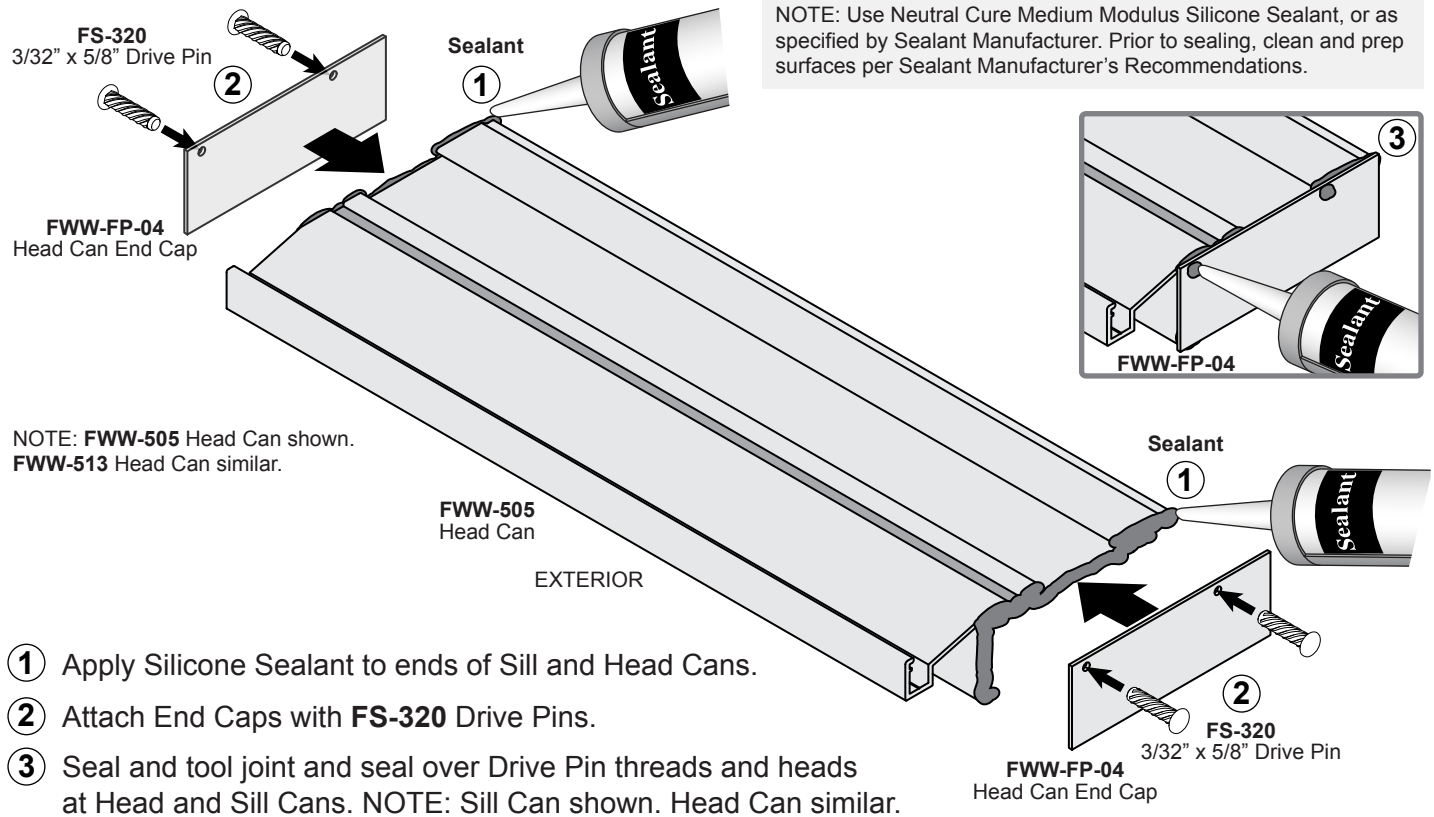


NOTE: FWW-515 Vertical Mullion shown in this manual. FWW-500 Heavy Vertical Mullion similar.



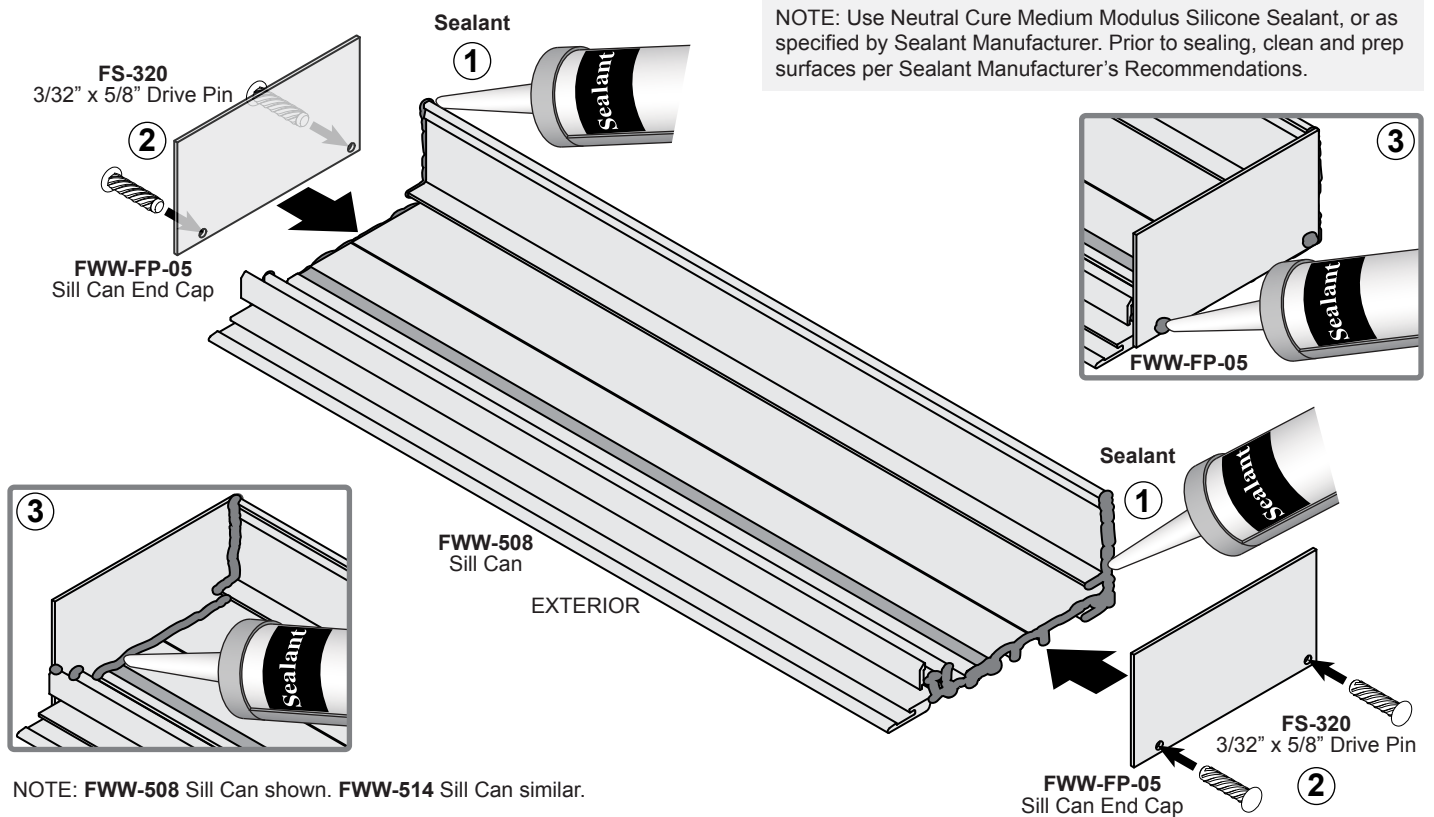
HEAD AND SILL CAN INSTALLATION

HEAD AND SILL CAN END CAP INSTALLATION



NOTE: FWW-505 Head Can shown. FWW-513 Head Can similar.

- ① Apply Silicone Sealant to ends of Sill and Head Cans.
- ② Attach End Caps with FS-320 Drive Pins.
- ③ Seal and tool joint and seal over Drive Pin threads and heads at Head and Sill Cans. NOTE: Sill Can shown. Head Can similar.

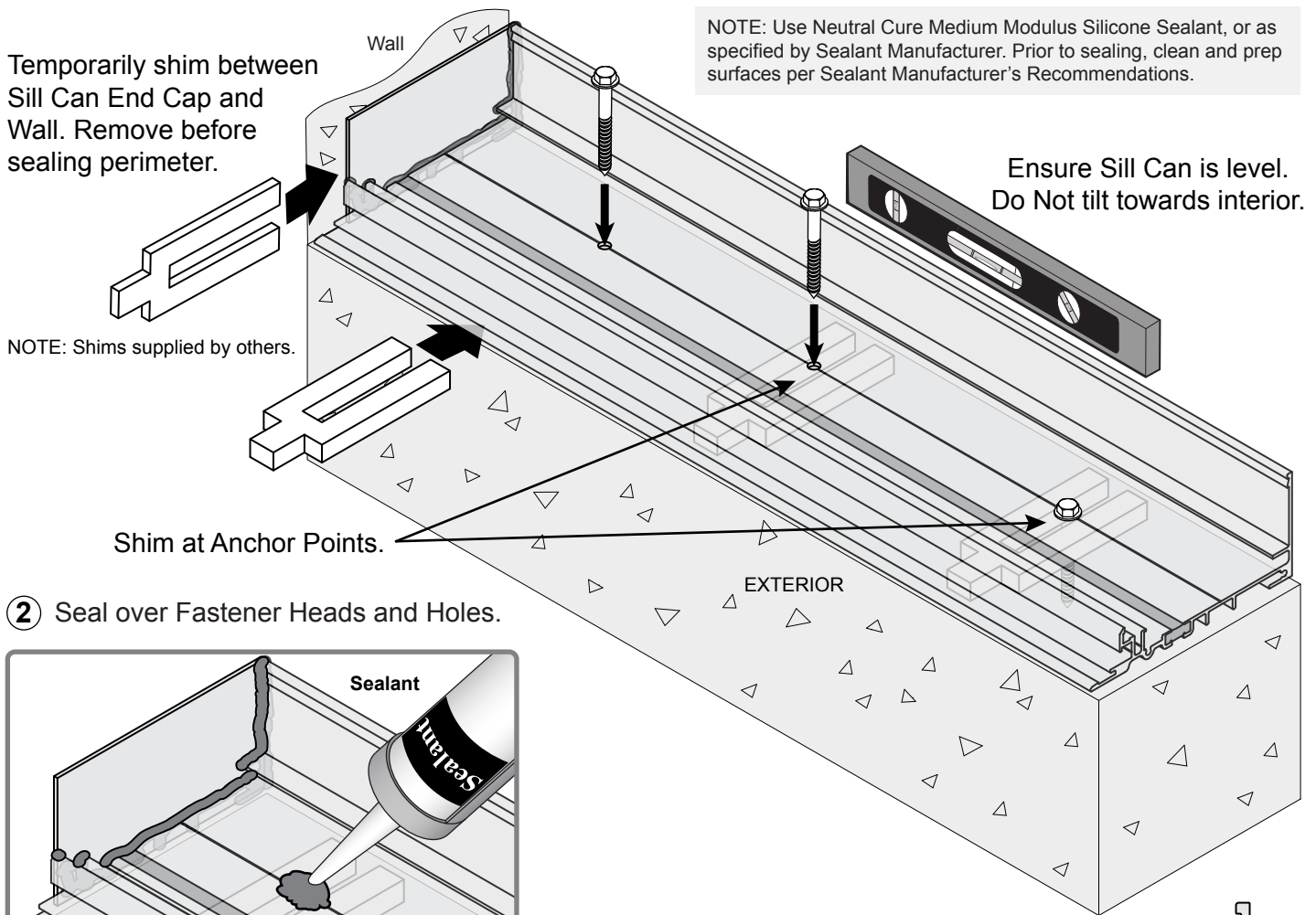


NOTE: FWW-508 Sill Can shown. FWW-514 Sill Can similar.

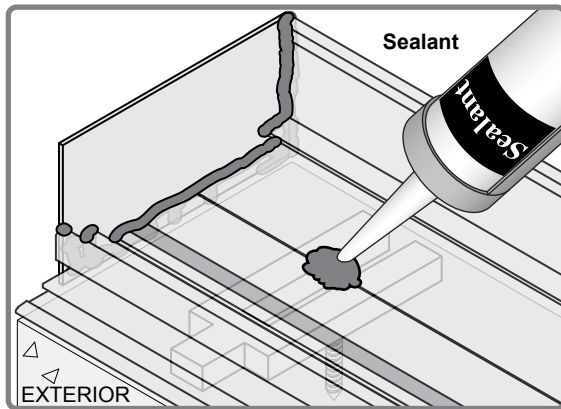
SILL CAN INSTALLATION

- Anchor Sill Can per Project Specific Requirements.

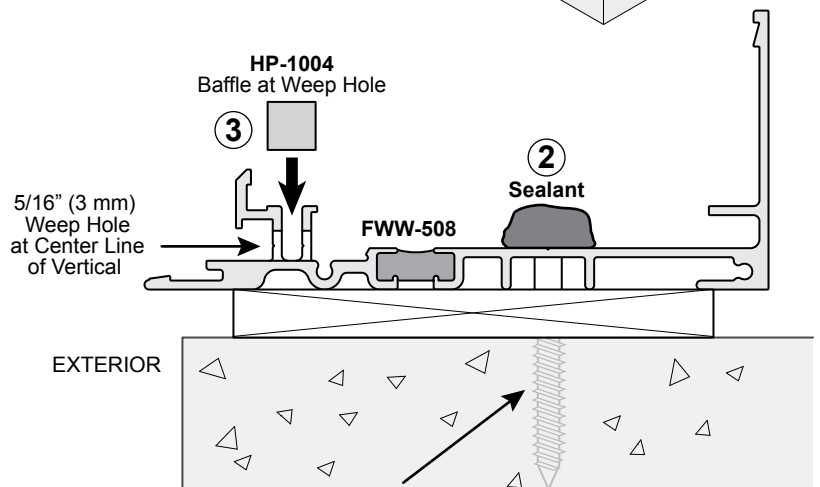
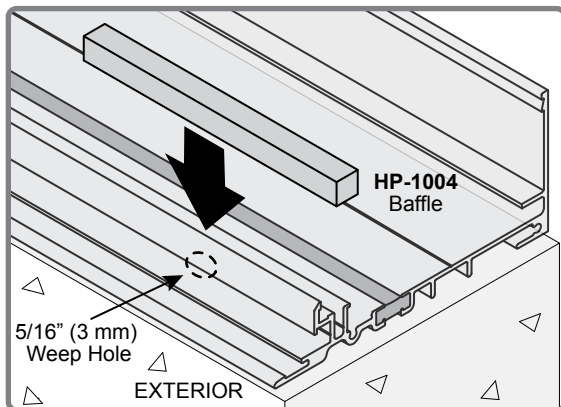
NOTE: Refer to Shop Drawings for fastener size and frequency.



- Seal over Fastener Heads and Holes.



- Center HP-1004 Baffle at Weep Holes.



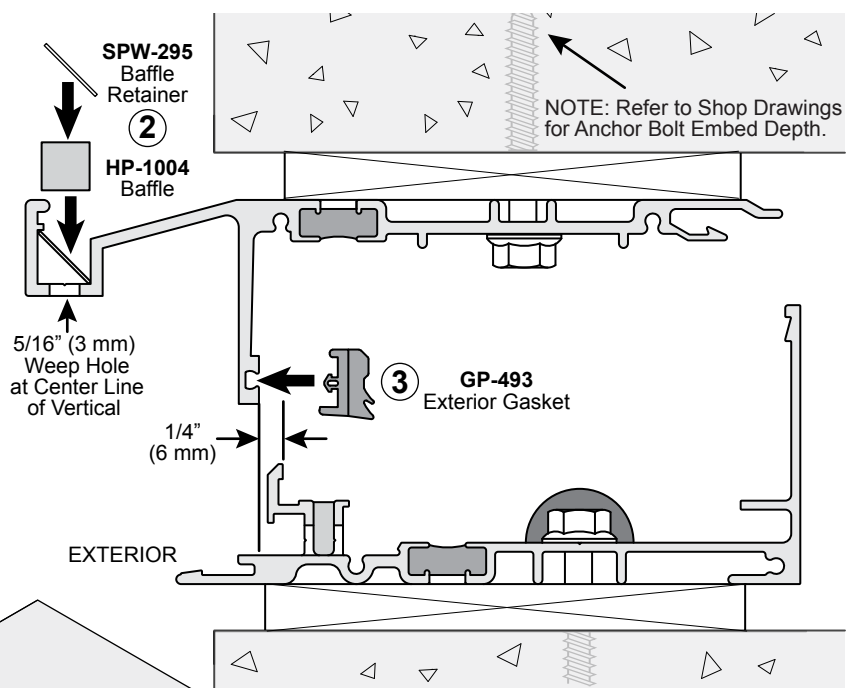
NOTE: Refer to Shop Drawings for Anchor Bolt Embed Depth.

NOTE: FWW-508 Sill Can shown. FWW-514 Sill Can similar.

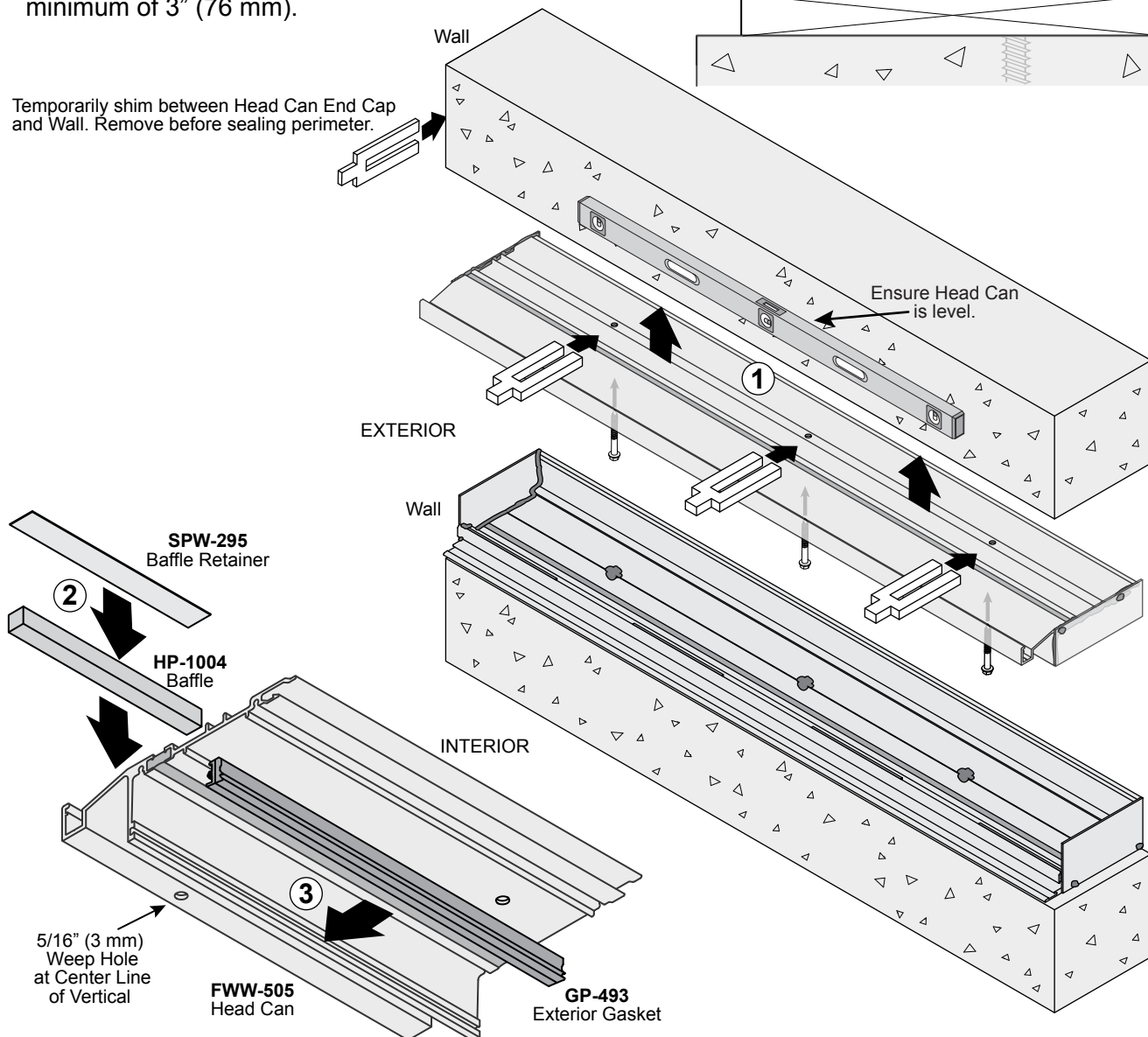
HEAD CAN INSTALLATION

- ① Install Head Can above Sill Can. Anchor Head Can per Project Specific Requirements. Refer to Shop Drawings for fastener size and frequency.
- ② Center **HP-1004** Baffle at Weep Holes and hold in place with **SPW-295** Baffle Retainer.
- ③ Install **GP-493** Exterior Gasket full length of Can.

NOTE: At Head Can Splice, extend **GP-493** Gasket into adjoining Can minimum of 3" (76 mm).



Temporarily shim between Head Can End Cap and Wall. Remove before sealing perimeter.



NOTE: **FWW-505** Head and **FWW-508** Sill Cans shown. **FWW-513** Head and **FWW-514** Sill Cans similar.

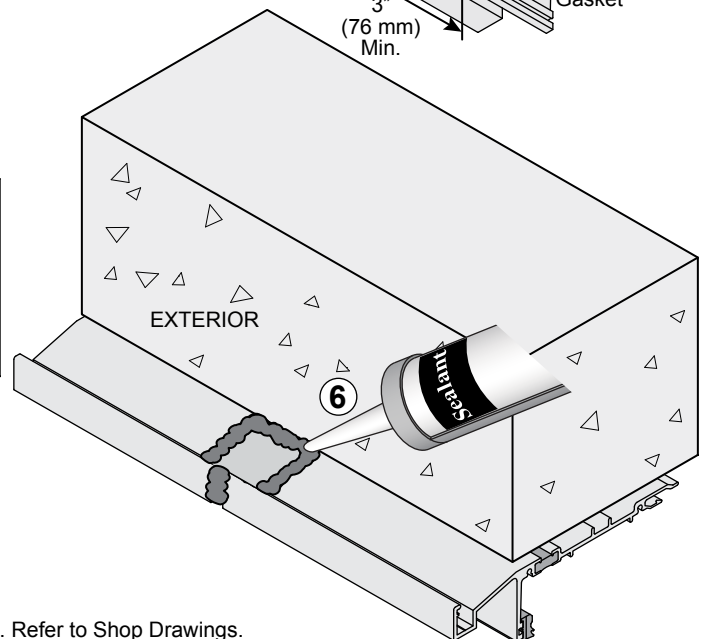
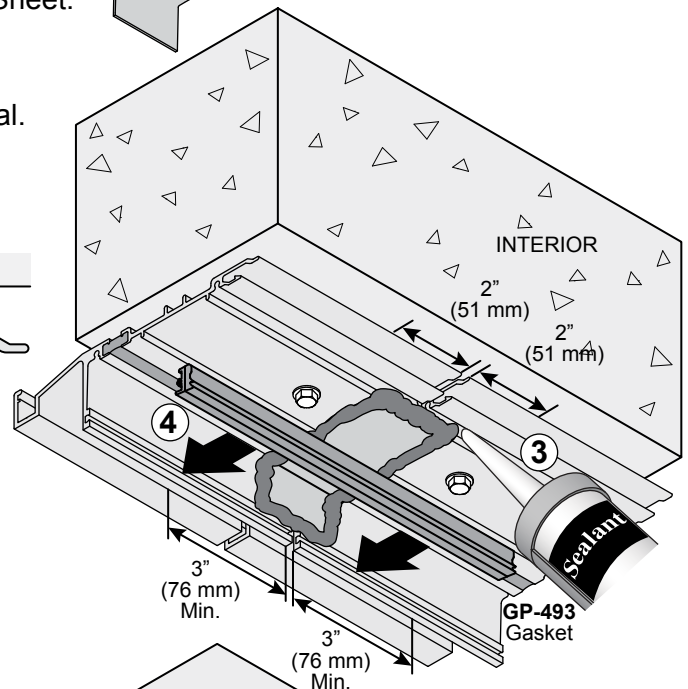
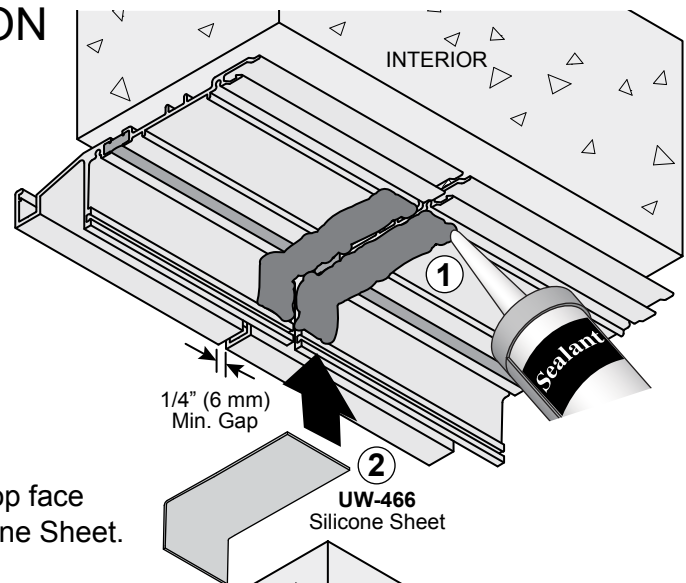
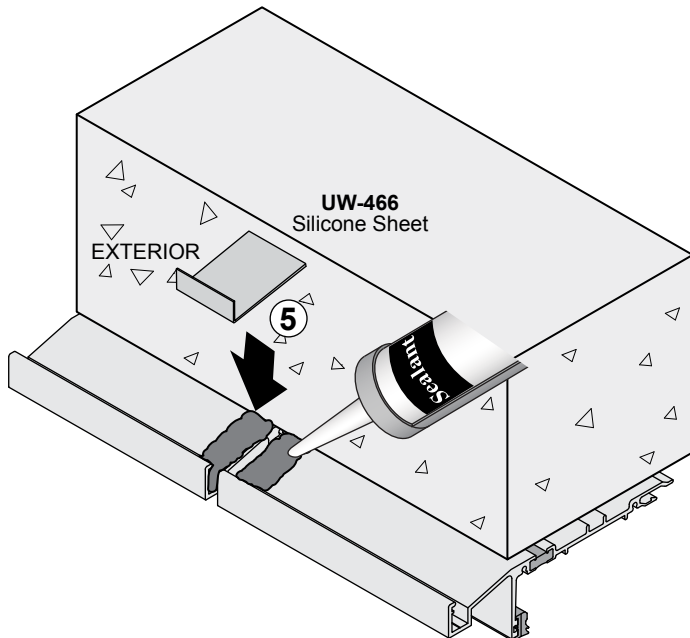
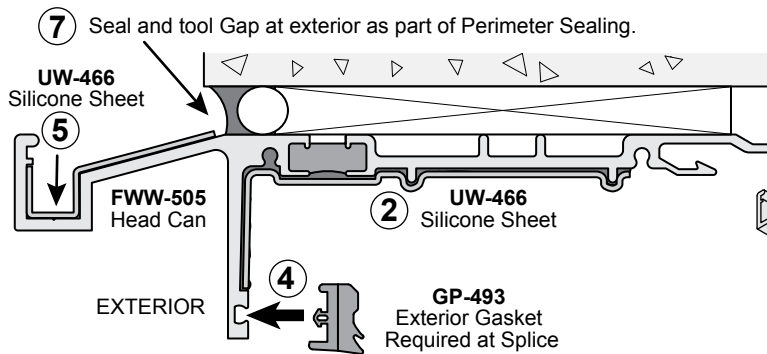


HEAD CAN SPLICE INSTALLATION

- ① Apply bed of sealant to each side of Splice.
- ② Place **UW-466** Silicone Sheet in sealant. Apply even pressure and smooth into Head Can.
- ③ Seal and tool over the Silicone Sheet. Fasten on either side of Gap.
- ④ Install **GP-493** Exterior Gasket full length of Can prior to installing Bays. (See Page 20).

NOTE: At Head Can Splice, extend **GP-493** Gasket into adjoining Can minimum of 3" (76 mm).

- ⑤ Apply bed of sealant to each side of Splice on top face of Head Cans and install another **UW-466** Silicone Sheet.
- ⑥ Seal and tool over the Silicone Sheet.
- ⑦ After Bays are installed, tie splice into Perimeter Seal. (See Page 22)



NOTE: **FWW-505** Head Can shown. **FWW-513** Head Can similar.

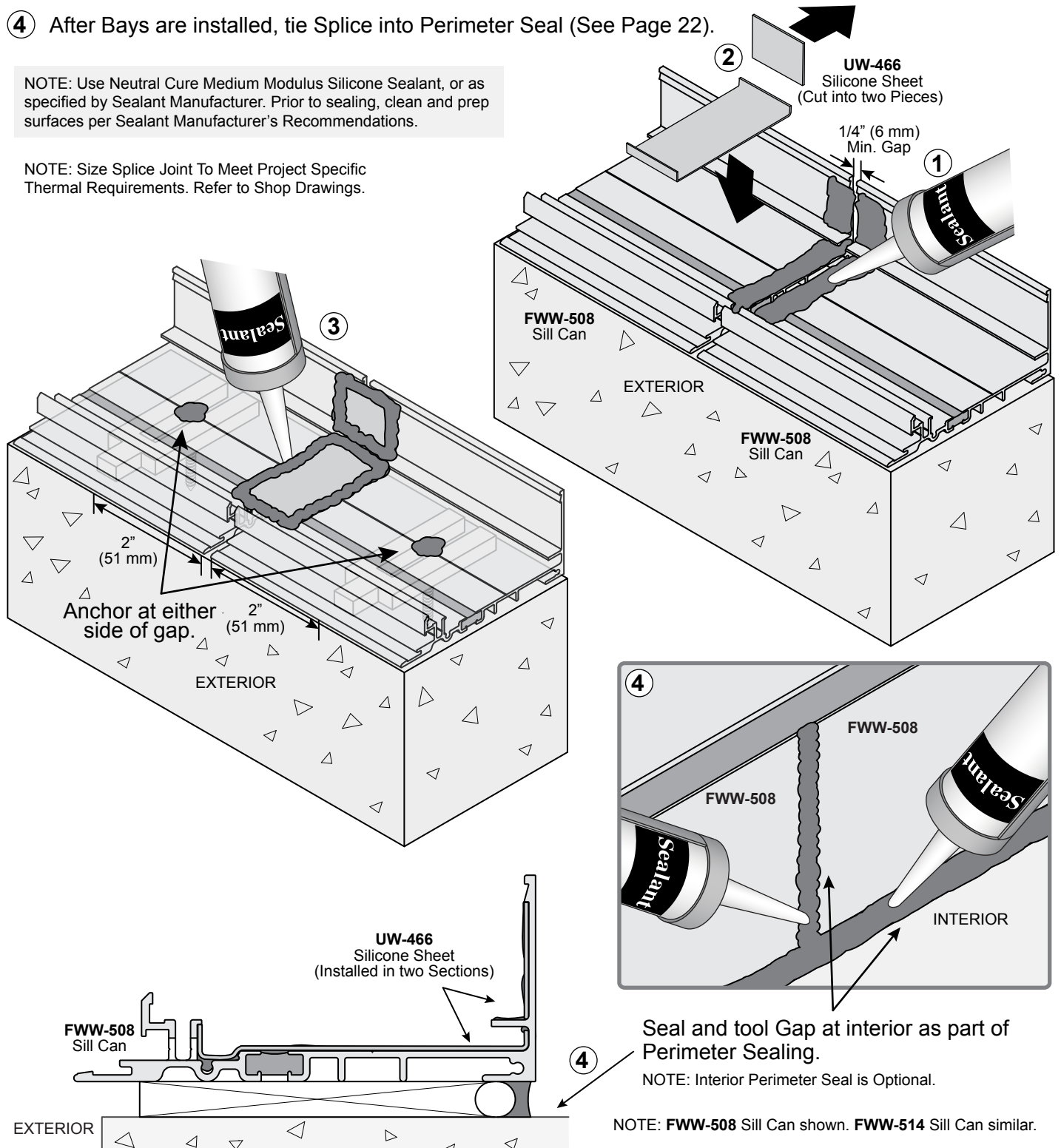
NOTE: Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.

SILL CAN SPLICE INSTALLATION

- ① Apply bed of sealant to each side of Splice.
- ② Cut **UW-466** Silicone Sheet into two pieces. Place each section in sealant and apply even pressure to smooth into Sill Can.
- ③ Seal and tool over the Silicone Sheet. Fasten on either side of Gap.
- ④ After Bays are installed, tie Splice into Perimeter Seal (See Page 22).

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

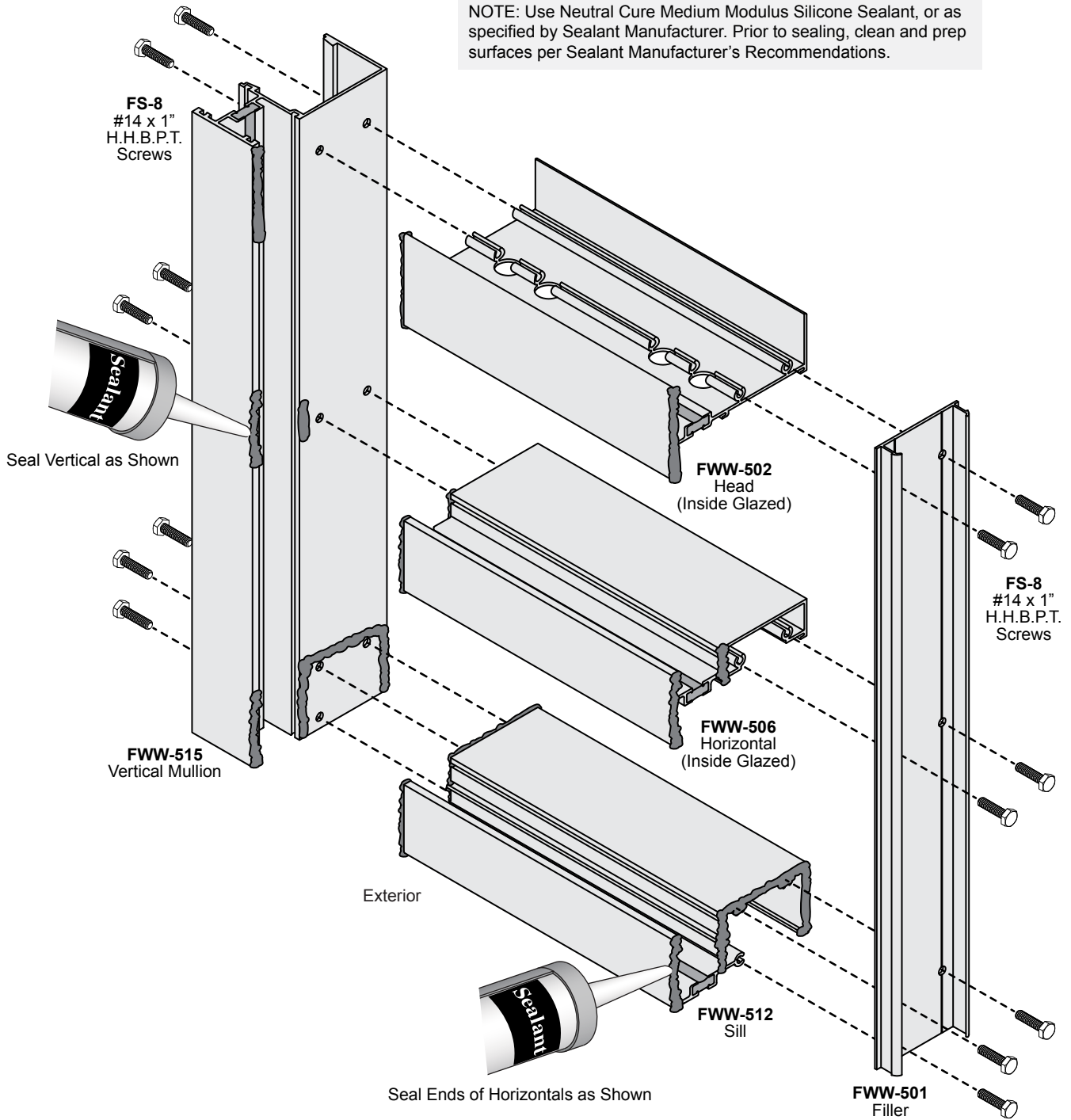
NOTE: Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.



PANEL ASSEMBLY: INSIDE GLAZED

Seal ends of Horizontal Members and where they meet Verticals as shown.
Assemble using **FS-8** Fasteners.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

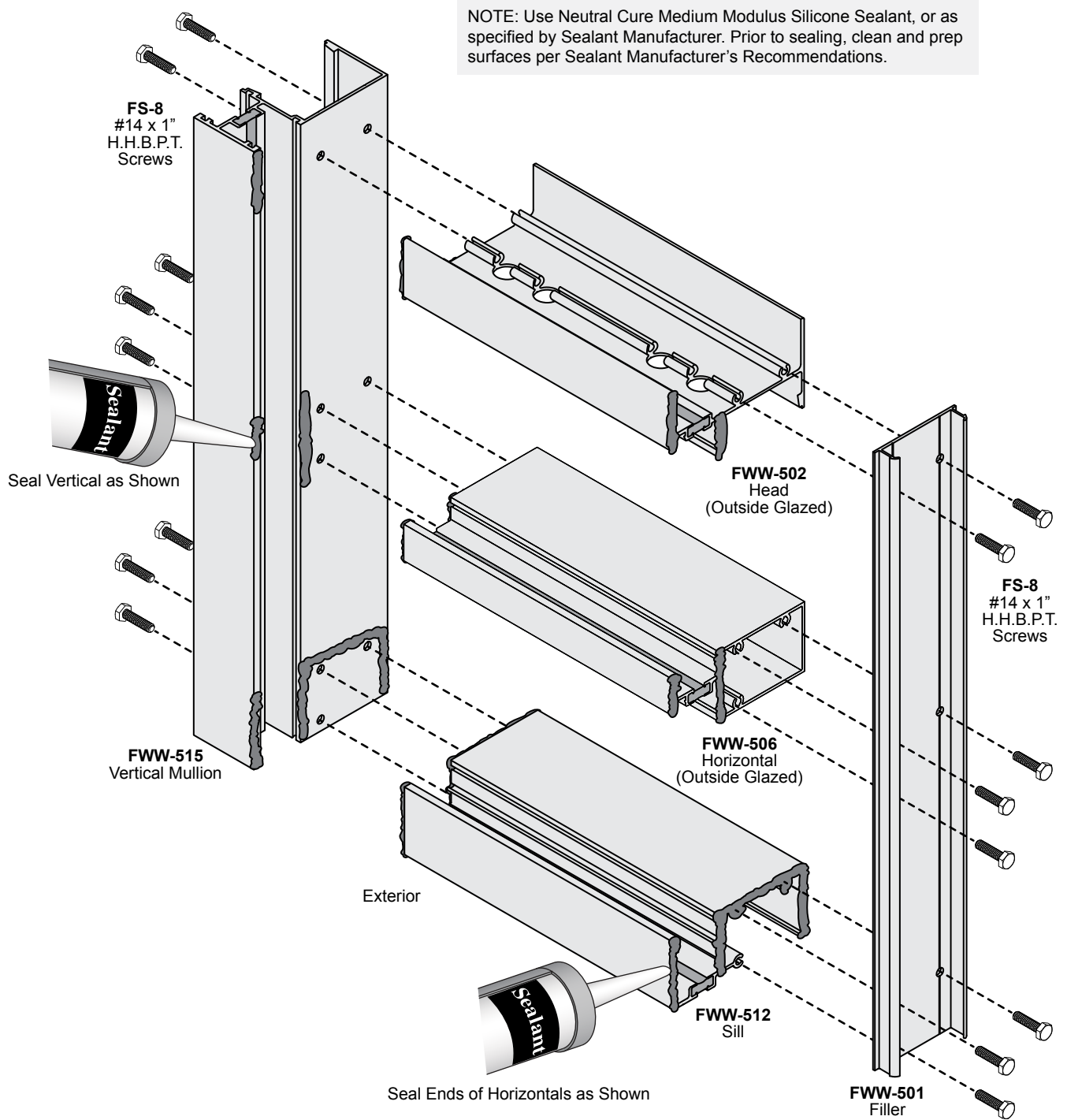


INSIDE GLAZED

NOTE: All assembly work must be completed immediately after sealant application, before sealant skins.

PANEL ASSEMBLY: OUTSIDE GLAZED

Seal ends of Horizontal Members and where they meet Verticals as shown.
Assemble using **FS-8** Fasteners.



OUTSIDE GLAZED

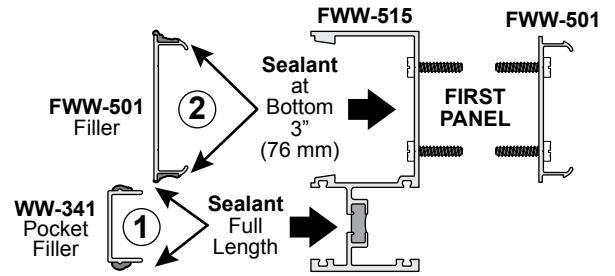
NOTE: All assembly work must be completed immediately after sealant application, before sealant skins.

PANEL INSTALLATION

Preparation

For First and Last Panels Installed Next to Wall:

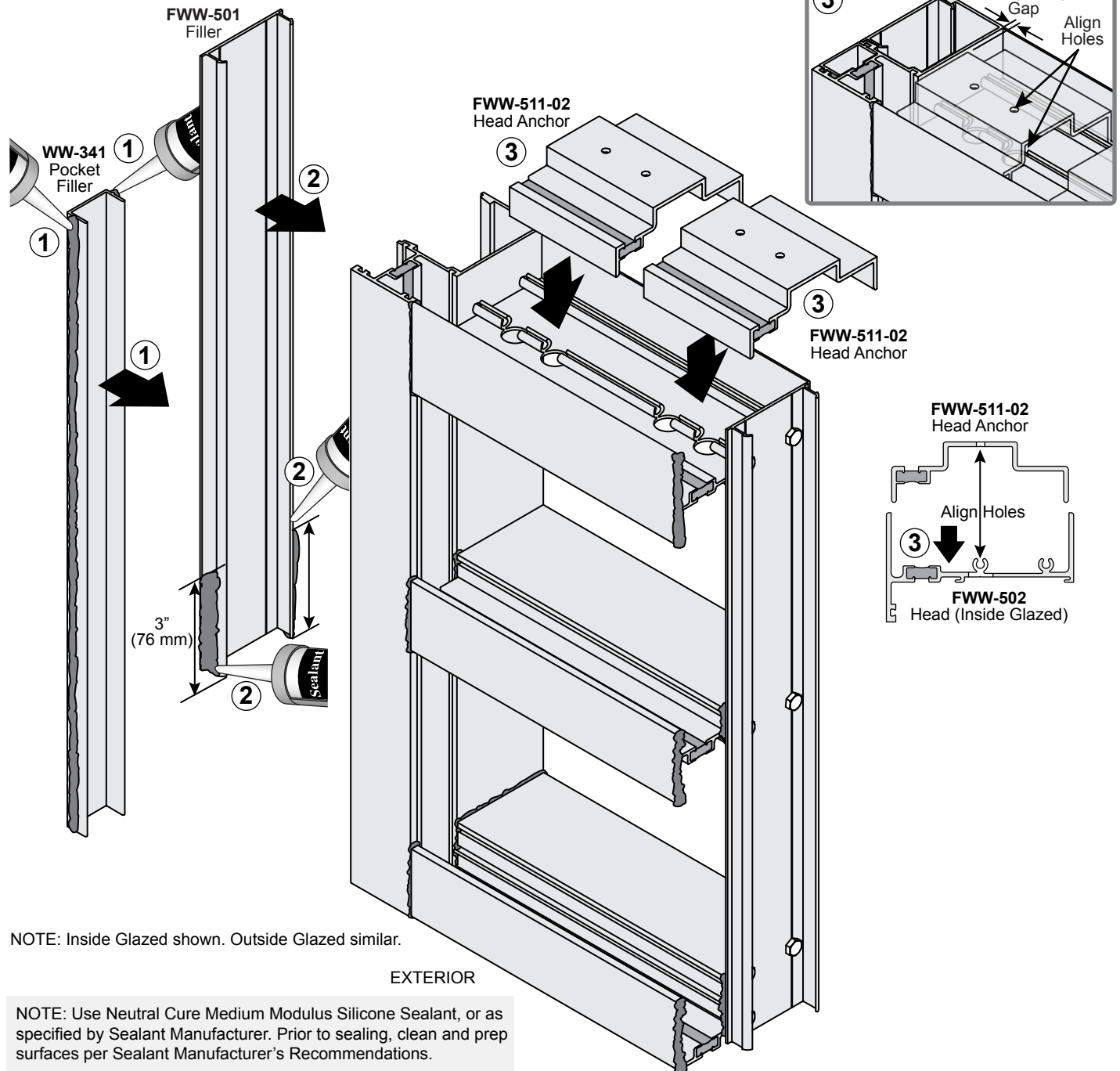
- ① Seal full length of both sides of **WW-341** Pocket Filler and snap into **FWW-515** Vertical.
- ② Seal 3" (76 mm) from bottom on both sides of **FWW-501** Filler and snap into **FWW-515** Vertical.



NOTE: Last Panel is Mirror Image.

For All Panels:

- ③ Insert two **FWW-511-02** Head Anchors into the Head of each Panel 1/8" (3 mm) from Verticals. Ensure access holes in Head align with mounting holes in Head Anchor.



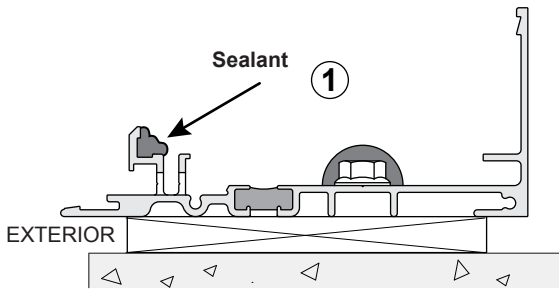
NOTE: Inside Glazed shown. Outside Glazed similar.

EXTERIOR

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

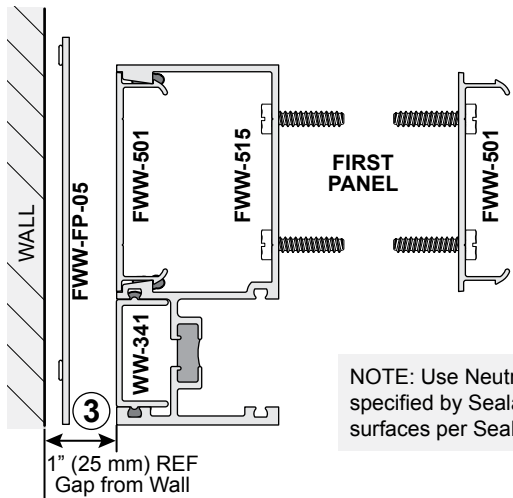
FIRST PANEL INSTALLATION

- 1 Run bead of sealant along exterior leg of Sill Can the length of First Panel.



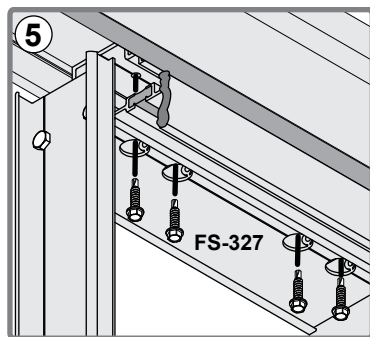
- 2 Tilt Panel and lift into Head Can. Swing over Sill Can and lower into position.

Position Panel 1" (25 mm) from wall.

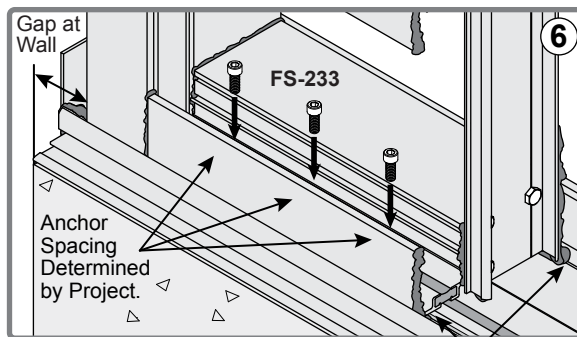


NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

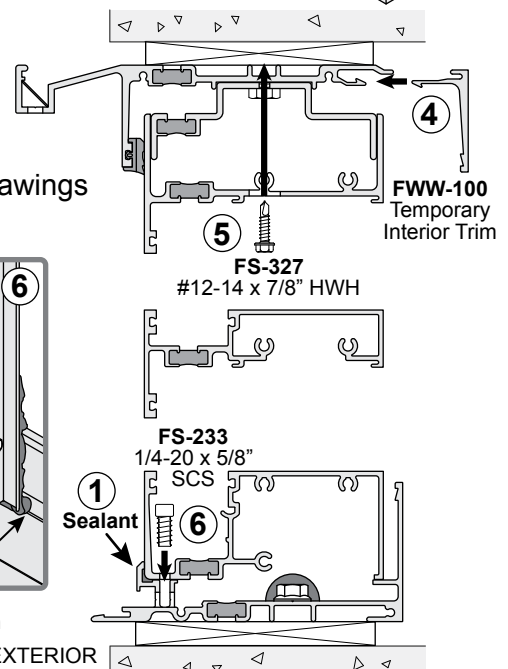
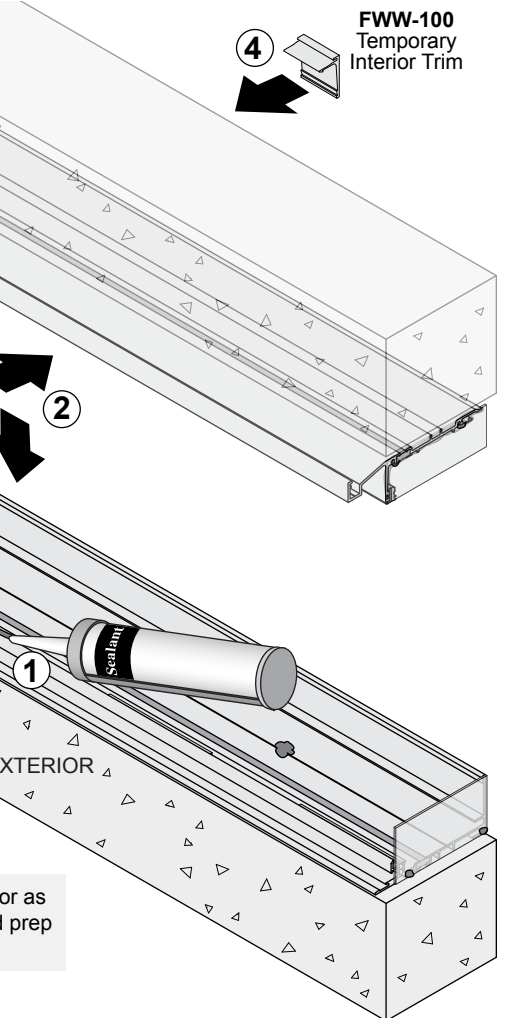
- 4 Use a 1" (25 mm) piece of **FWW-100** Interior Trim to align and temporarily hold Panel in place.
- 5 Attach each Head Anchor to Head Can with (2) **FS-327** Screws.
- 6 Secure Panel at Sill with **FS-233** Screws. NOTE: Refer to Shop Drawings for location and frequency.



NOTE: Inside Glazed shown. Outside Glazed similar.



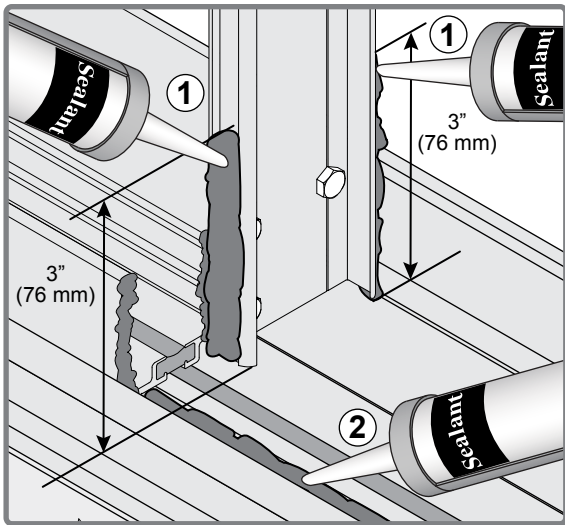
Clean Excess Sealant from Sill Can



NOTE: Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the Panel from seating properly.

SECOND PANEL INSTALLATION

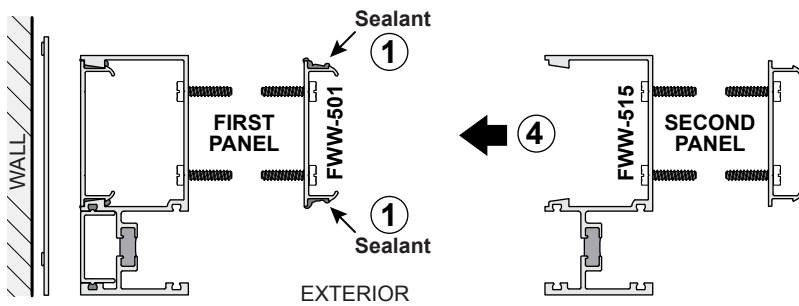
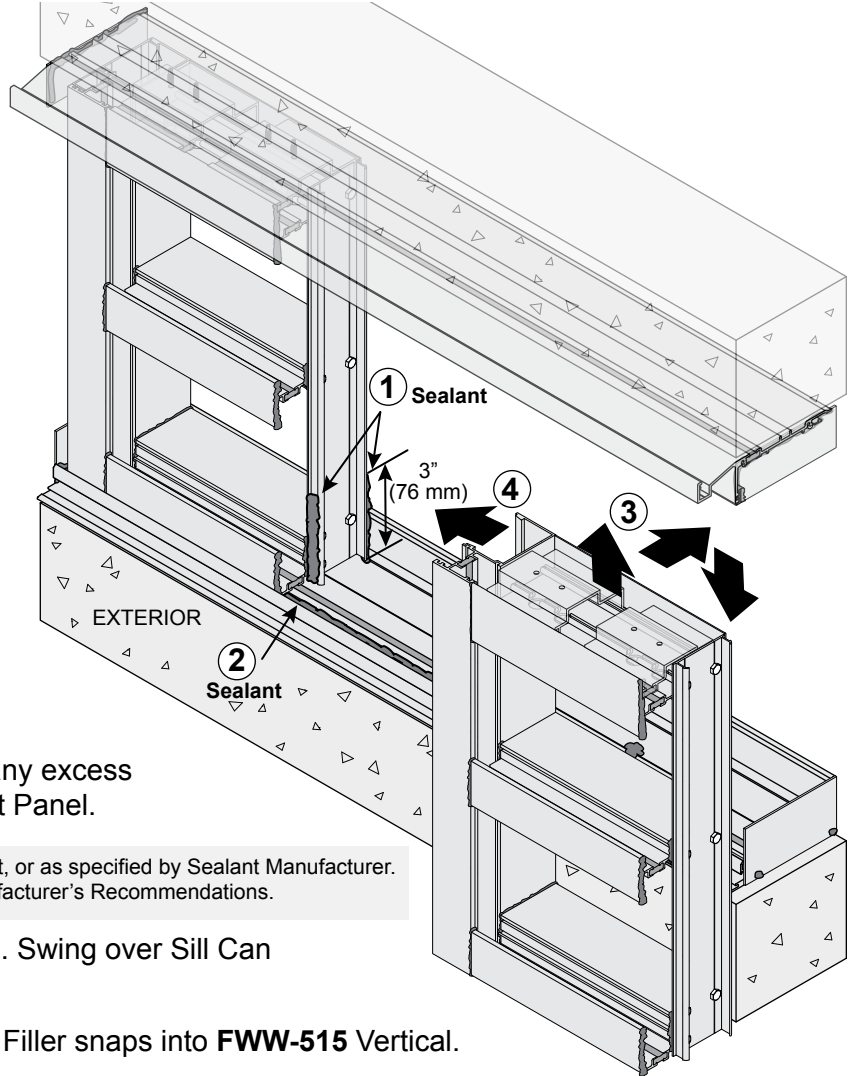
- 1 Run bead of Sealant at interior and exterior leg of **FWW-501** Filler on First Panel 3" (76 mm) from bottom.



- 2 Run bead of Sealant along exterior leg of Sill Can the length of Second Panel.
NOTE: Before applying Sealant, clean any excess Sealant left on Sill Can after setting First Panel.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

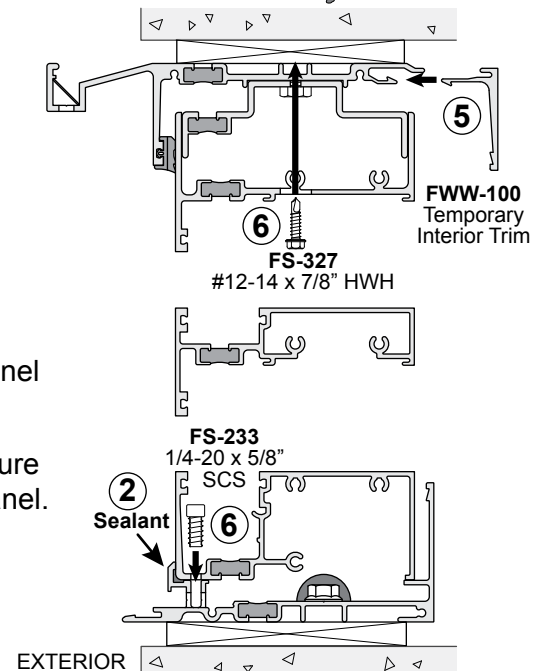
- 3 Tilt Second Panel and lift into Head Can. Swing over Sill Can and lower into position.
- 4 Slide over to First Panel until **FWW-501** Filler snaps into **FWW-515** Vertical.



- 5 Slide **FWW-100** Temporary Interior Trim from First to Second Panel to align and temporarily hold Panel in place.
- 6 Attach Head Anchors to Head Can with **FS-327** Screws and secure Second Panel at Sill with **FS-233** Screws as shown with First Panel.

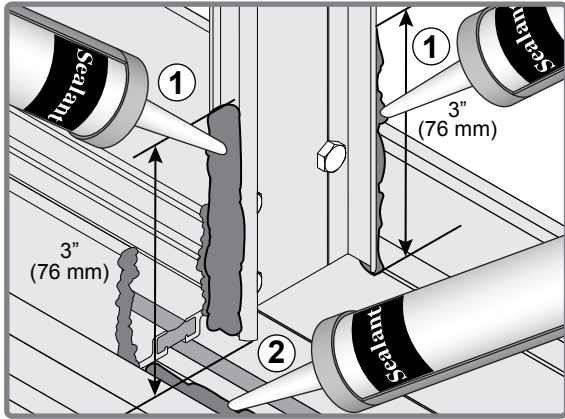
NOTE: Inside Glazed shown. Outside Glazed similar.

NOTE: Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the next Panel from seating properly.



LAST PANEL INSTALLATION

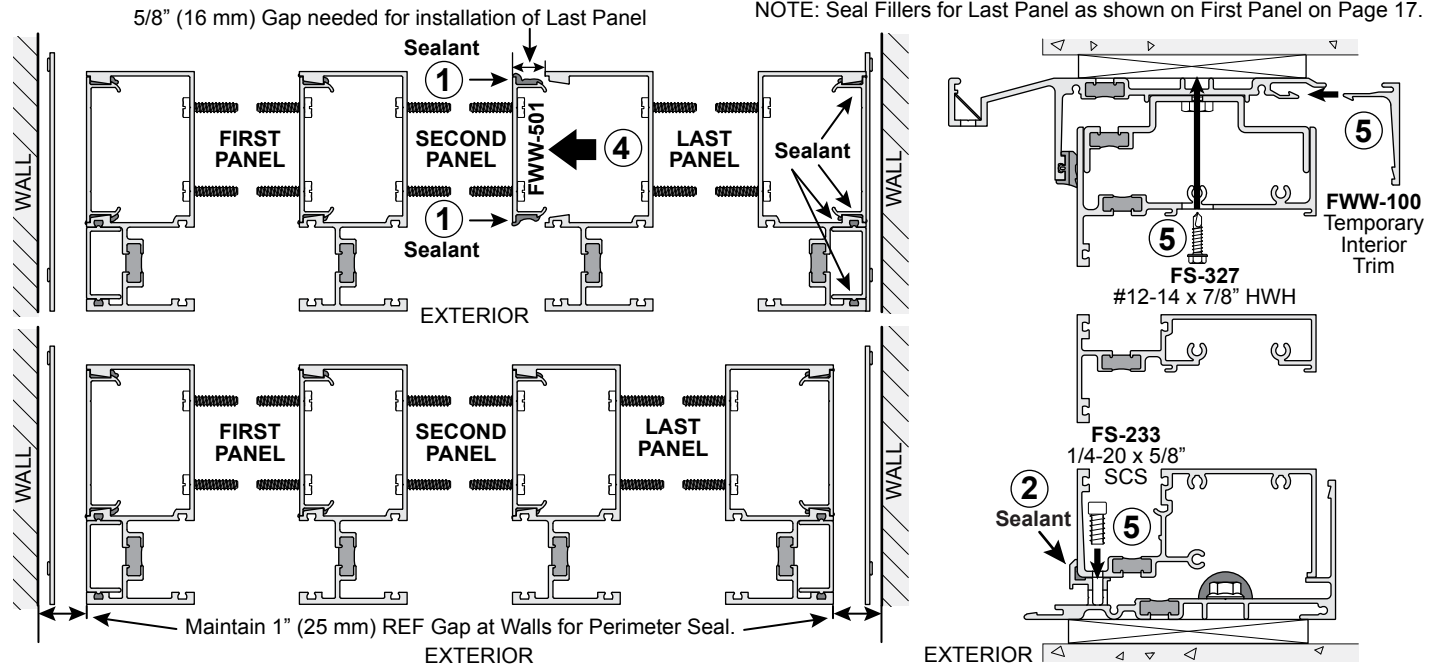
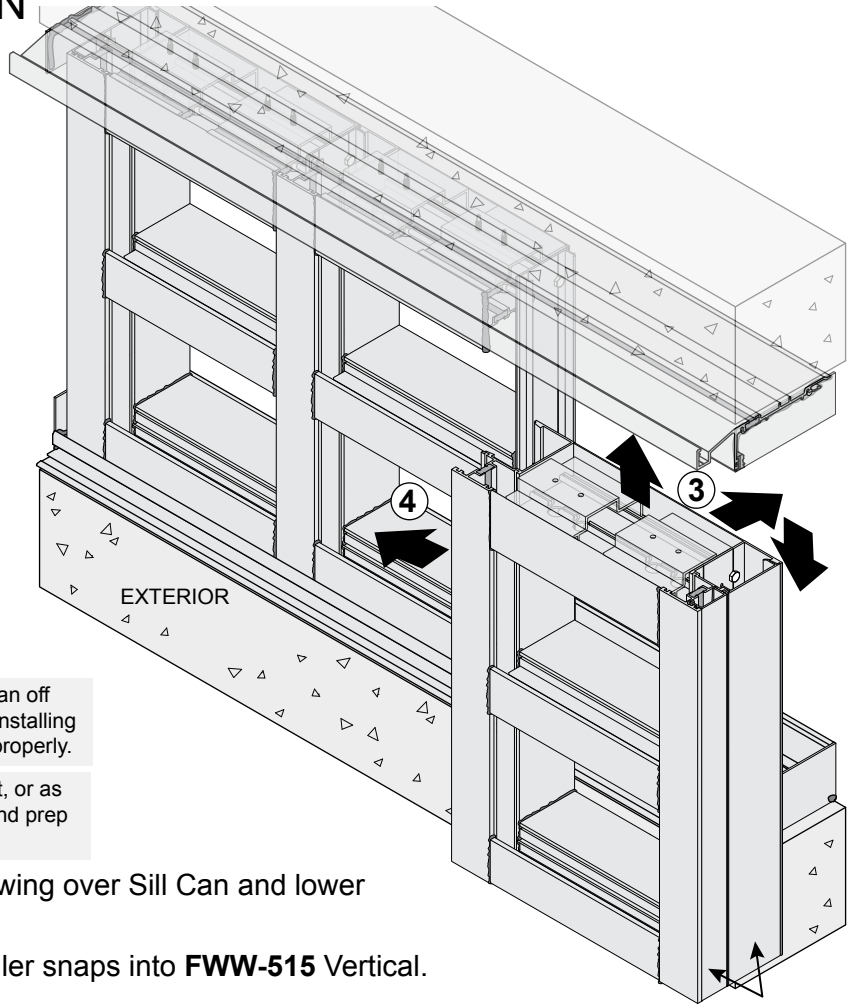
- ① Run Sealant at interior and exterior leg of **FWW-501** Filler on previous Panel 3" (76 mm) from bottom.
- ② Run Sealant along exterior leg of Sill Can the length of Final Panel.



NOTE: Do not allow excess Sealant at Sill Can to cure. Clean off all excess Sealant so it does not interfere with sealing and installing the next Panel and/or prevent the next Panel from seating properly.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

- ③ Tilt and lift Last Panel into Head Can. Swing over Sill Can and lower into position.
- ④ Slide to previous Panel so **FWW-501** Filler snaps into **FWW-515** Vertical.



- ⑤ Slide **FWW-100** Temporary Interior Trim to Last Panel. Attach Head Anchors with **FS-327** Screws and secure Last Panel at Sill with **FS-233** Screws as shown with First Panel.

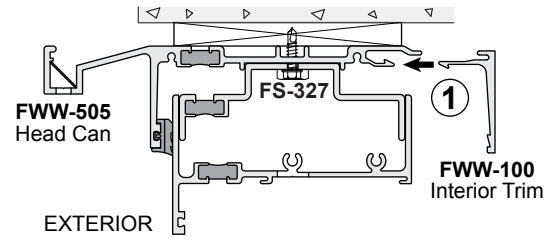
NOTE: Inside Glazed shown. Outside Glazed similar.



HEAD CAN TRIM INSTALLATION

- 1 Slide **FWW-100** Interior Trim into **FWW-505** Head Can.

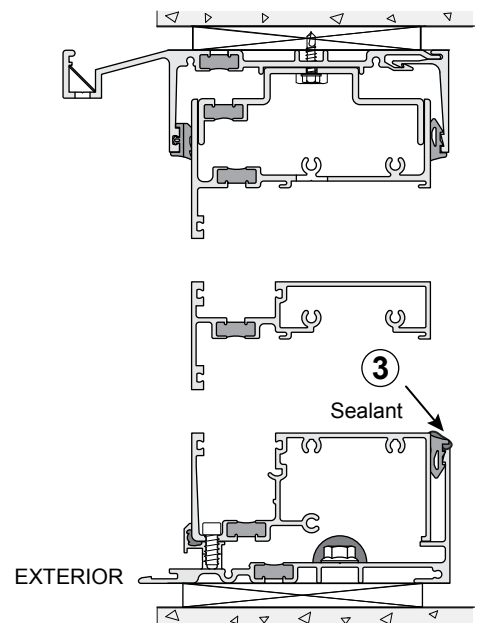
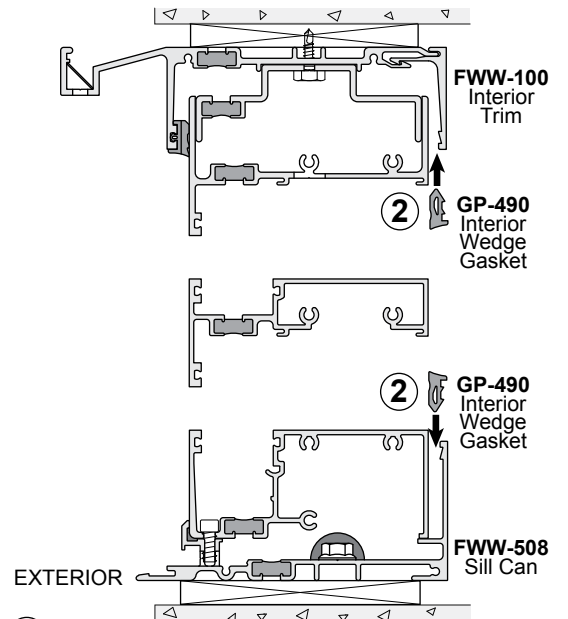
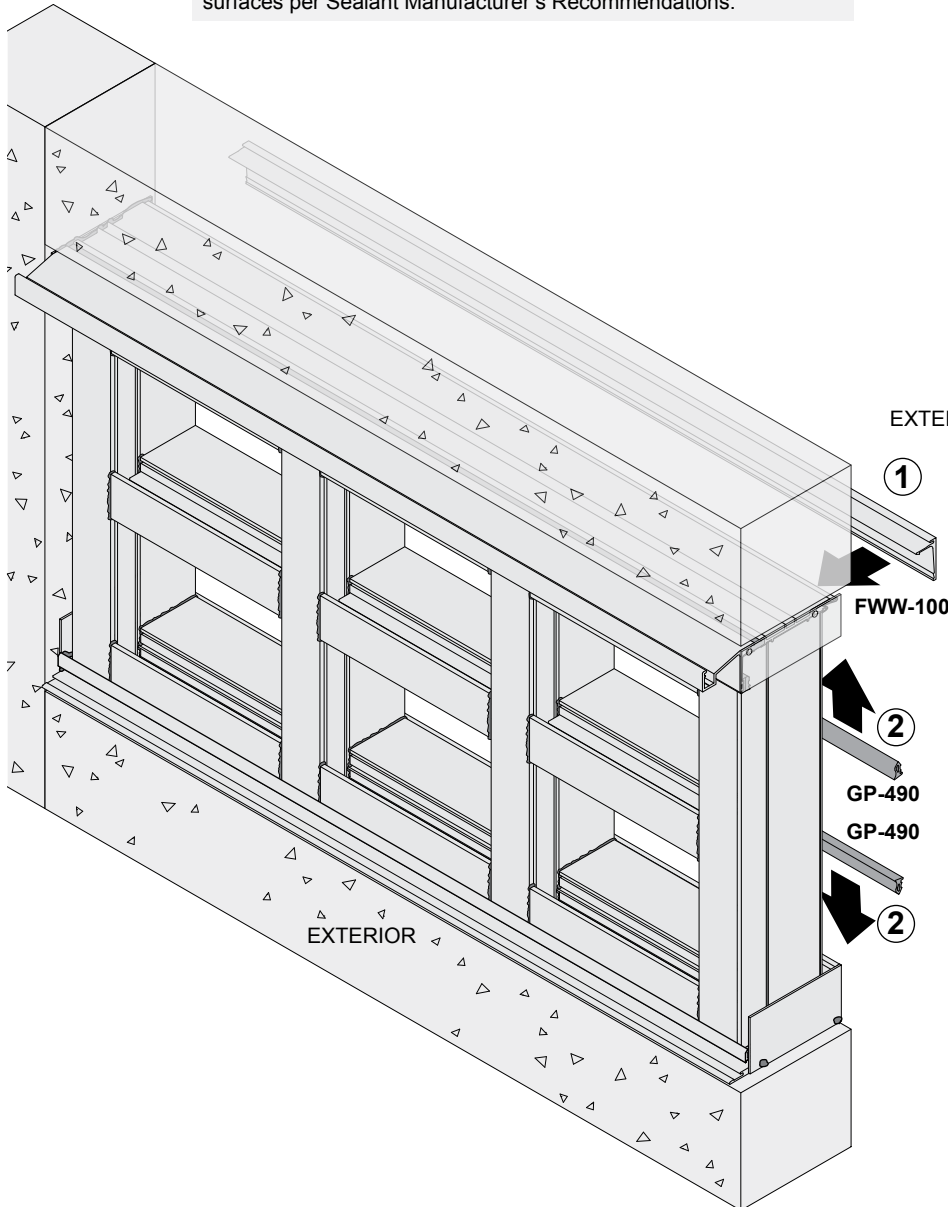
NOTE: 1" (25 mm) pieces of **FWW-100** Interior Trim can be used as temporary clips during installation.



INTERIOR HEAD AND SILL CAN GASKET INSTALLATION

- 2 Install **GP-490** Interior Wedge Gasket between **FWW-100** Interior Trim and Panel at Head and between **FWW-508** Sill Can and Panel at Sill. NOTE: Gaskets span through splices minimum of 3" (76 mm).
- 3 Seal and tool over **GP-490** Gasket at Sill.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.



PERIMETER SEALING

① Install Backer Rod and seal interior and exterior perimeter at Head and Sill Cans.

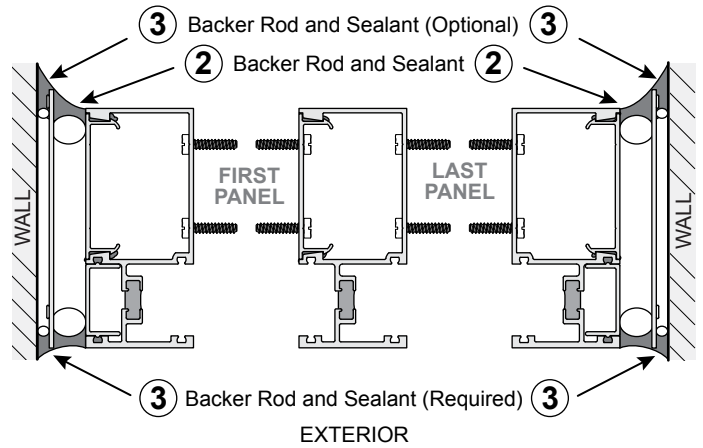
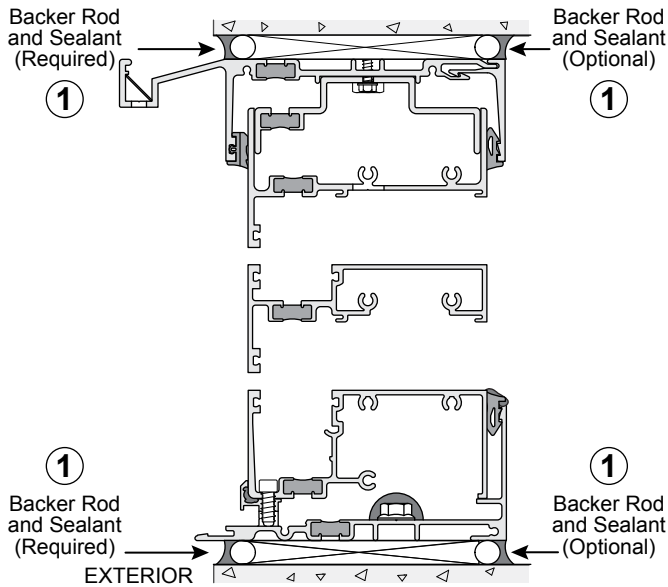
NOTE: Interior Perimeter Seal is optional, for cosmetic purposes. Exterior Perimeter Seal is required.

② A Install Backer Rod at Head and Sill Cans between End Dam and First and Last Panels.

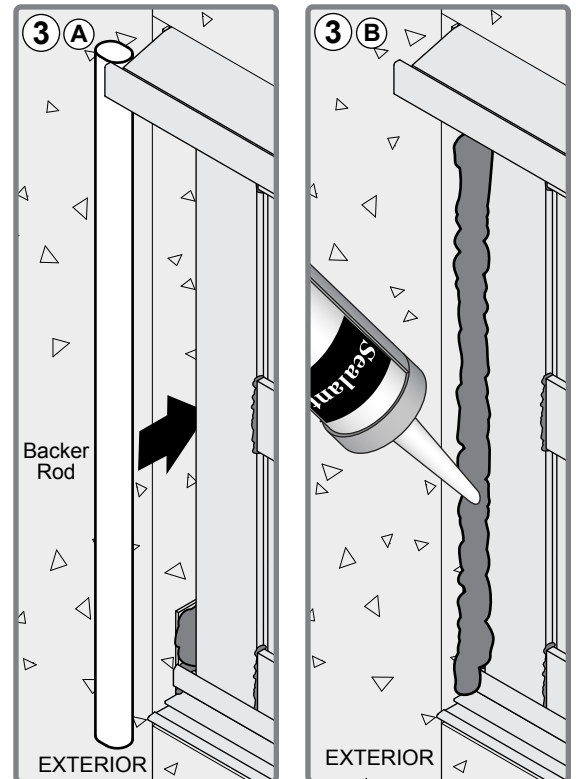
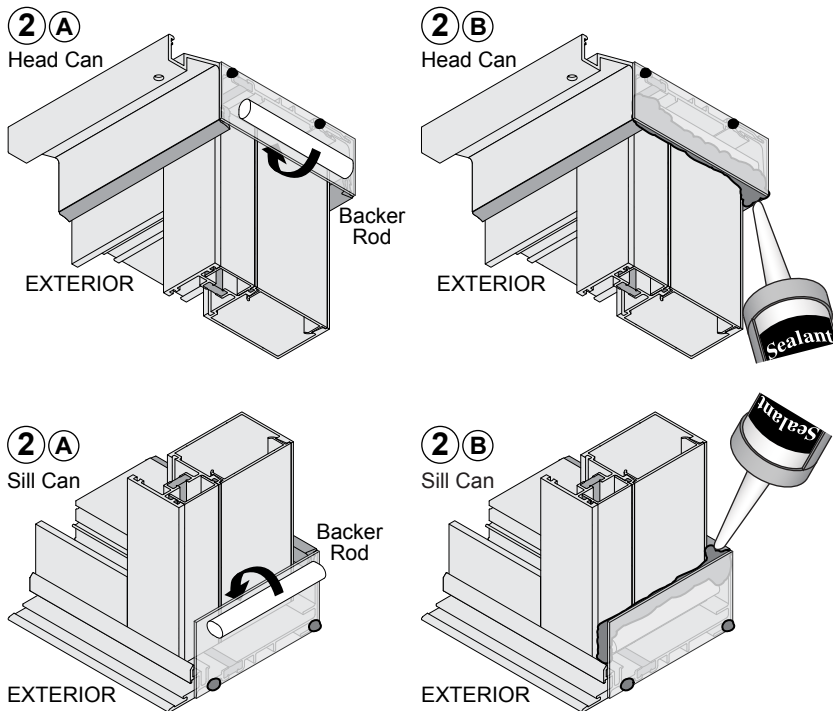
B Apply and tool Sealant.

③ A Install Backer Rod between wall and First and Last Panels at interior and exterior.

B Apply and tool Sealant.



NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.



NOTE: Tie sealant into Perimeter Seal at spliced joints.

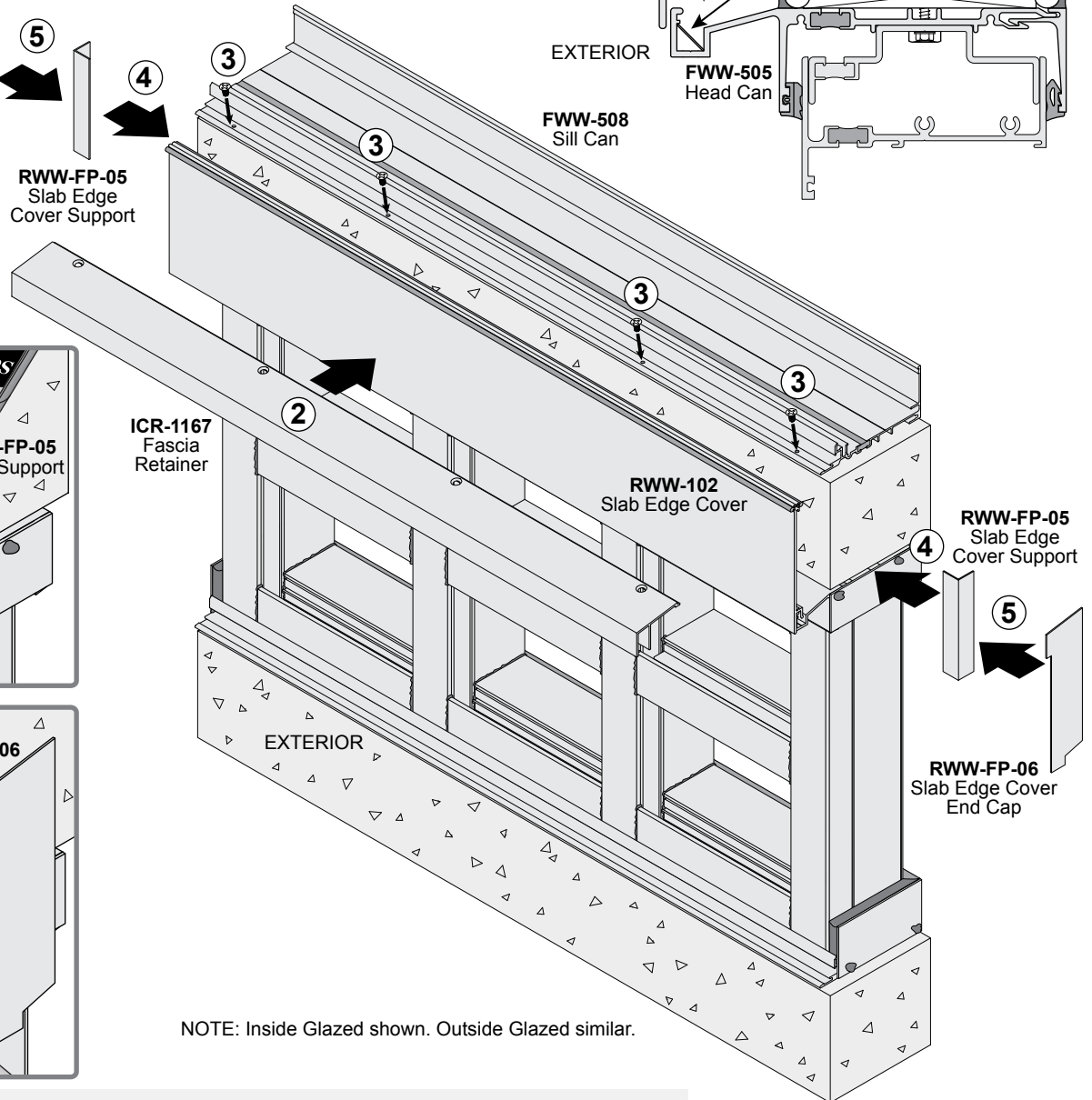
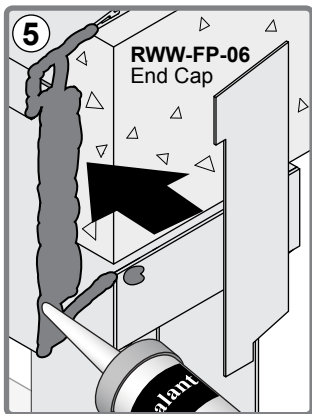
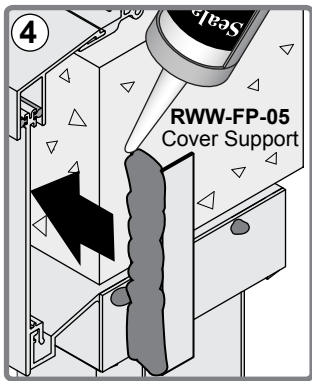
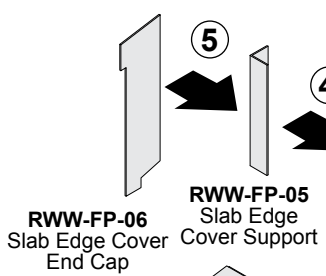
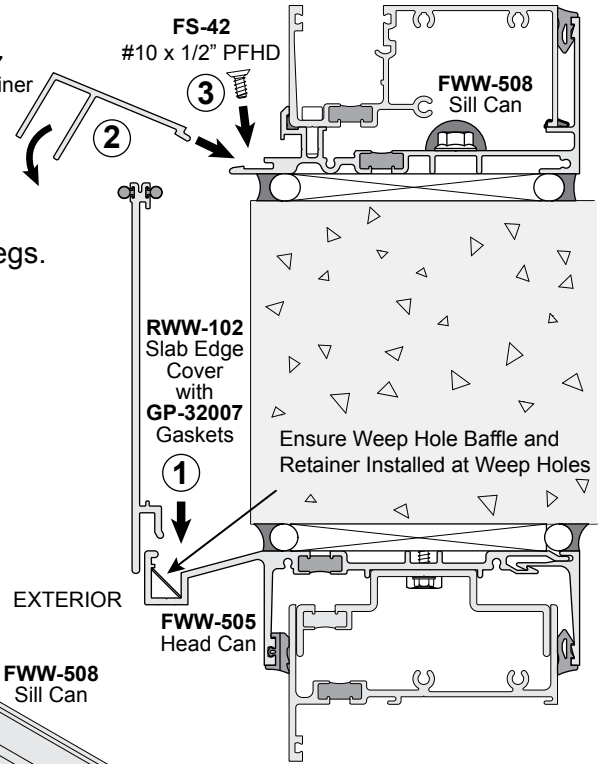
NOTE: Inside Glazed shown. Outside Glazed similar.

SLAB EDGE COVER INSTALLATION

- 1 Set **RWW-102** Slab Edge Cover with **GP-32007** Gaskets onto **FWW-505** Head Can.

NOTE: Ensure **HP-1004** Weep Hole Baffle and **SPW-295** Baffle Retainer are in place before installing **RWW-102** Slab Edge Cover.

- 2 Slide **ICR-1167** Fascia Retainer into **FWW-508** Sill Can and rotate so **RWW-102** Slab Edge Cover rests between legs.
- 3 Secure Retainer o Sill Can with #10 x 3/4" PFHD Screws spaced 18" (457 mm) O.C. Typ.
- 4 Apply Sealant to **RWW-FP-05** Slab Edge Cover Support and install at each end.
- 5 Apply Sealant to each end and install **RWW-FP-06** Slab Edge Cover End Cap.



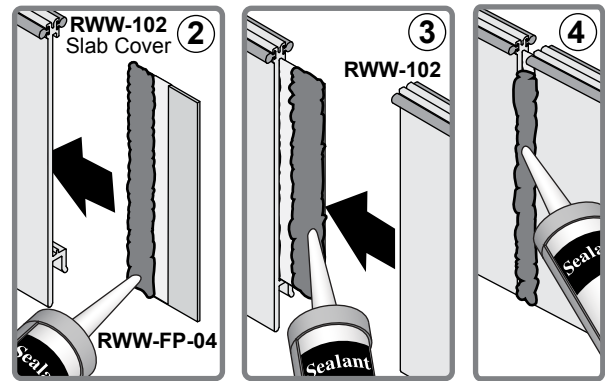
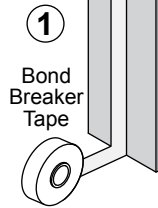
NOTE: Inside Glazed shown. Outside Glazed similar.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

Slab Edge Cover Splice Installation

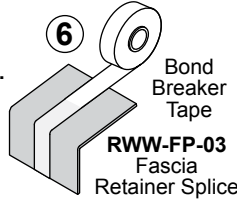
- ① Center Bond Breaker Tape on **RWW-FP-04** Slab Edge Cover Splice.
- ② Apply Sealant to half of Slab Cover Splice and install on end of **RWW-102** Slab Cover. Install Slab Cover as shown on Page 22.
- ③ Apply Sealant to other half of Slab Cover Splice and install next **RWW-102** Slab Cover.
- ④ Seal and tool joint as part of Perimeter Seal.

RWW-FP-04
Slab Edge
Cover Splice

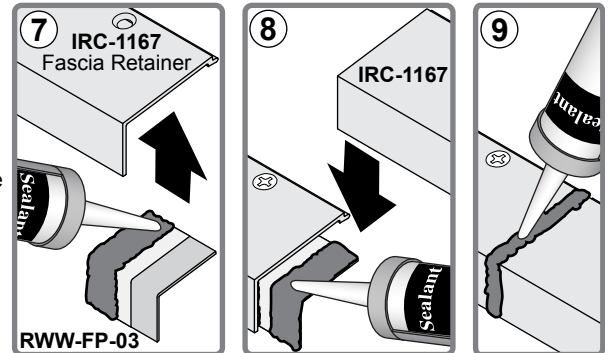


Fascia Retainer Splice Installation

- ⑤ Notch inside leg of **IRC-1167** Fascia Retainer 1" (25 mm) next to each splice.
- ⑥ Center Bond Breaker Tape on top side of **RWW-FP-03** Fascia Retainer Splice.
- ⑦ Apply Sealant to half of Fascia Retainer Splice and install on end of **IRC-1167** Fascia Retainer. Install Fascia Retainer as shown on Page 23.
- ⑧ Apply Sealant to other half of Fascia Retainer Splice and install next **IRC-1167** Fascia Retainer.
- ⑨ Seal and tool joint as part of Perimeter Seal.



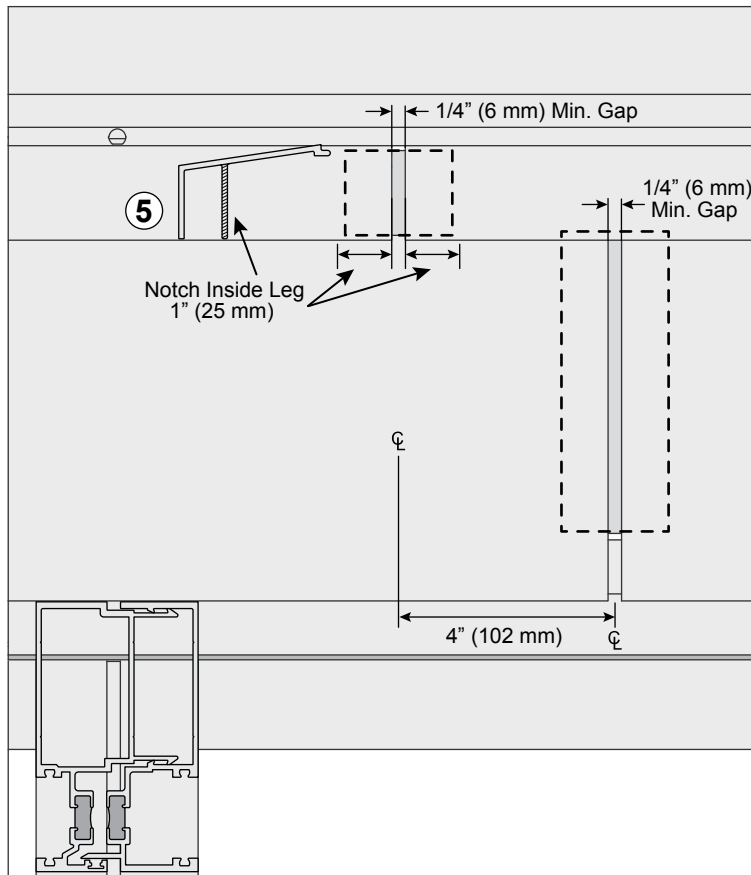
NOTE: Slab Cover and Fascia Retainer shown alone for clarity.



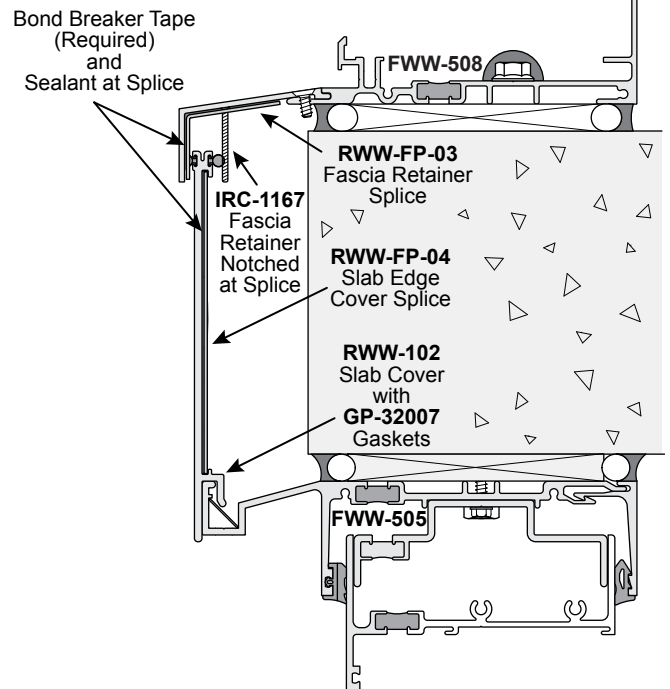
NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

Recommended Splice Location

Recommended Fascia Splice Location when Setting Units Left to Right



NOTE: Bond Breaker Tape must be compatible with Sealant.



NOTE: Size Splice Joint To Meet Project Specific Thermal Requirements. Refer to Shop Drawings.

NOTE: Inside Glazed shown. Outside Glazed similar.

GLAZING GUIDELINES

Prepare Gaskets

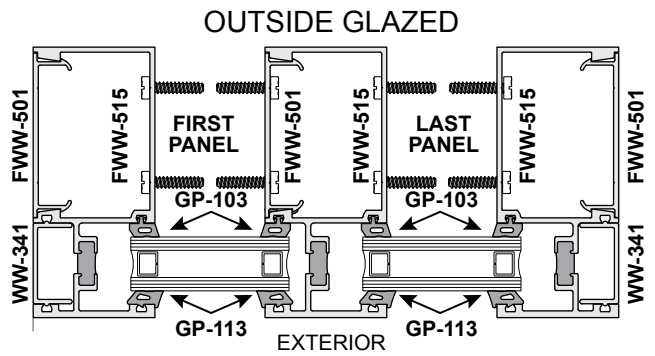
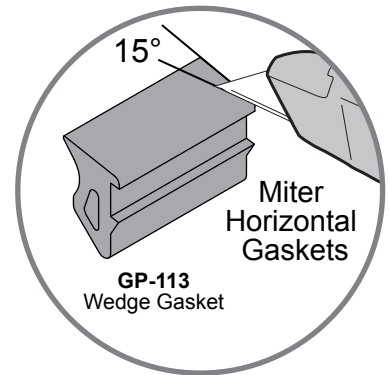
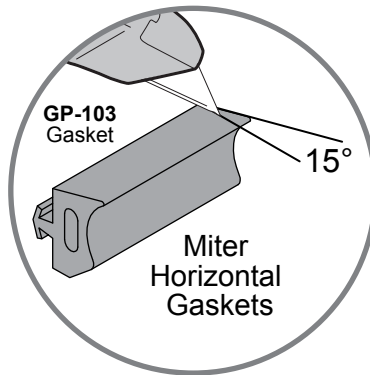
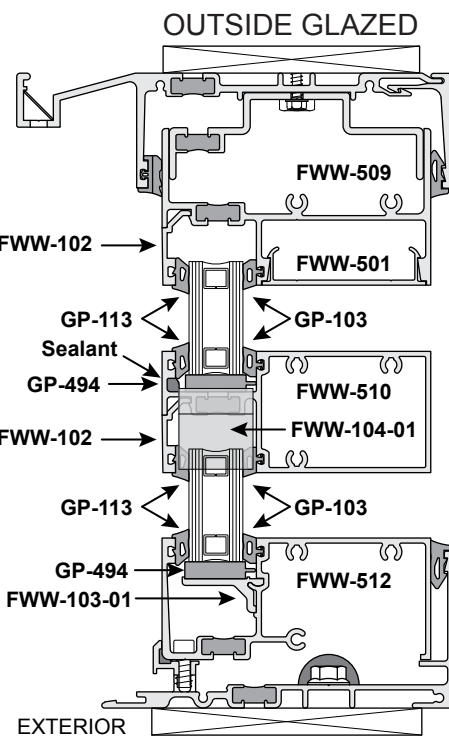
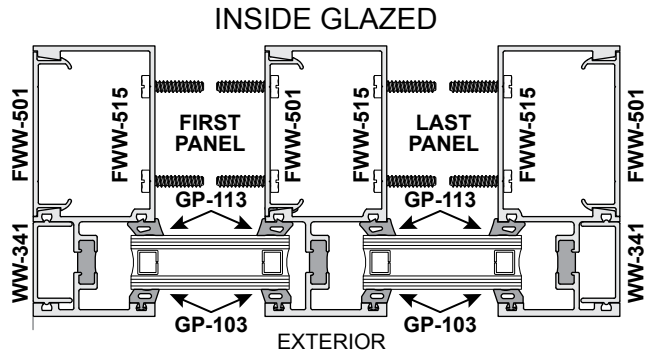
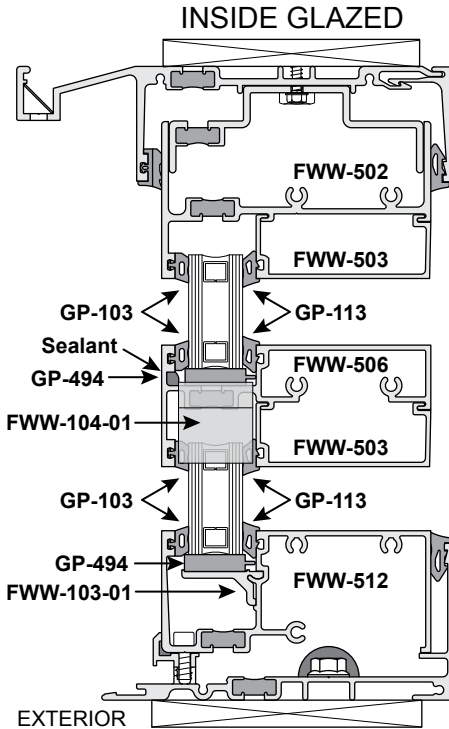
NOTE: Clean glazing reglets of debris before glazing to prevent blockage of weeps or drains.

Remove Gaskets from roll and allow to relax overnight.

Cut Gaskets 1/4" (6 mm) longer per Foot. Vertical gaskets run through.

Horizontal Gaskets are mitered at corners and sealed to Vertical Gaskets during installation.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.



NOTE: FWW-505 Head and FWW-508 Sill Cans shown. FWW-513 Head and FWW-514 Sill Cans similar.

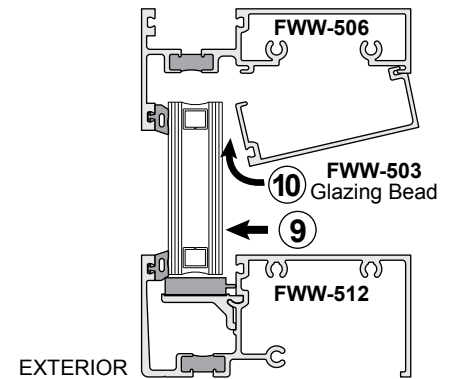
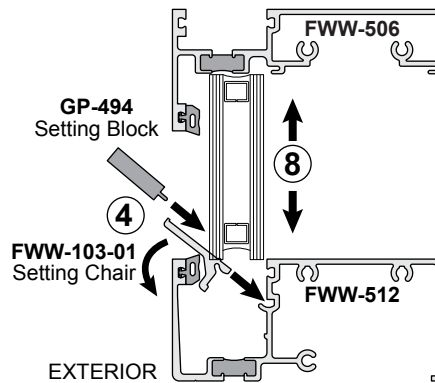
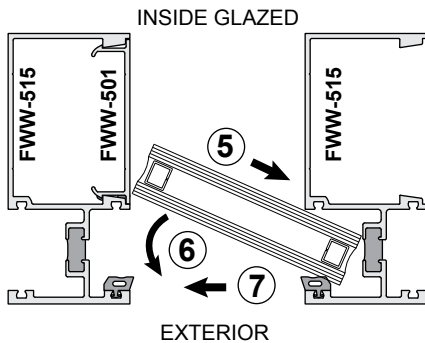
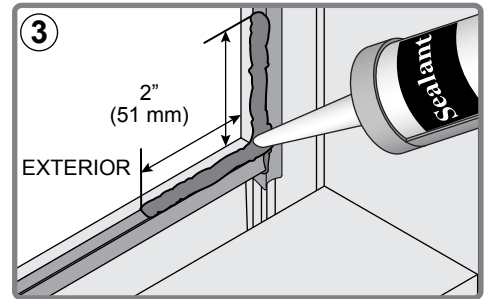
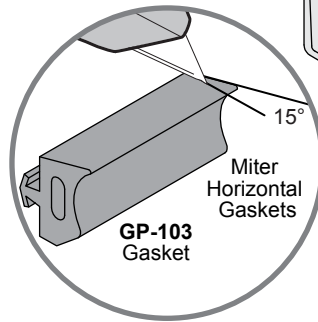
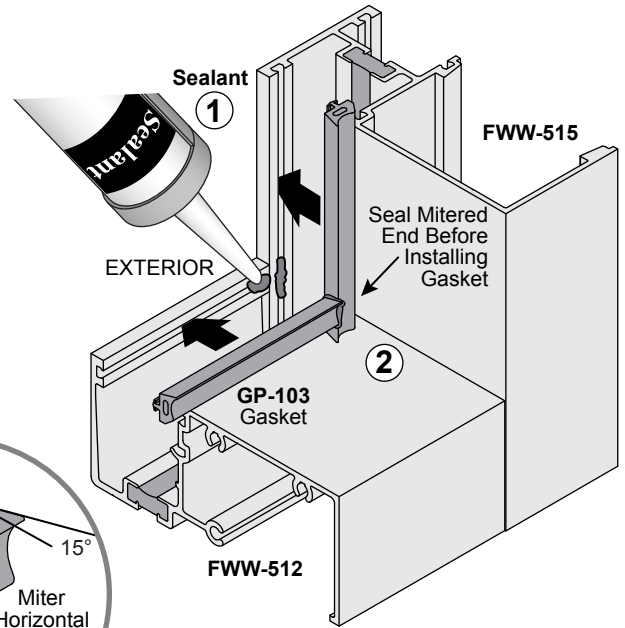
INSIDE GLAZED INSTALLATION

Begin at **FWW-512** Sill to glaze Bottom Lite.
See Page 25 for Gasket Preparation.

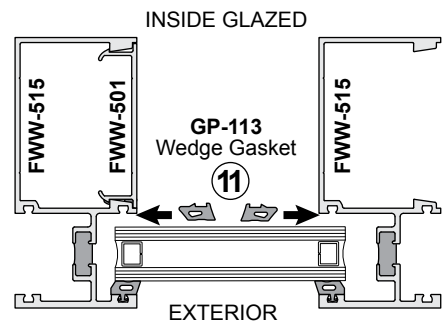
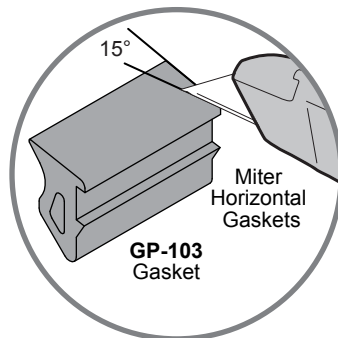
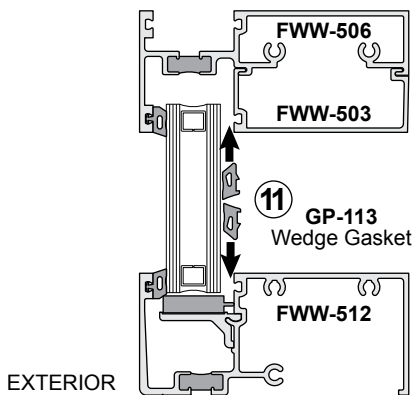
NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

NOTE: Head and Sill Cans not shown for clarity.

- ① Seal Exterior Glazing Reglets at corner.
- ② Install Exterior Vertical Gasket and then Exterior Horizontal Gasket.
- ③ Seal Gaskets at corner, 2" (51 mm) in each direction.
- ④ Install Setting Chairs with Setting Blocks at quarter points. (See Shop Drawings.)
- ⑤ Set Glass into Deep Pocket.
- ⑥ Swing Glass to plane.
- ⑦ Slide Glass into Shallow Pocket.
- ⑧ Lift Glass into Upper Glazing Pocket and lower onto Setting Blocks.
- ⑨ Push Glass tight against Exterior Gaskets.
- ⑩ Snap in **FWW-503** Glazing Bead.



- ⑪ Install **GP-113** Wedge Gaskets at interior using the same procedure as Steps 2 and 3 above.



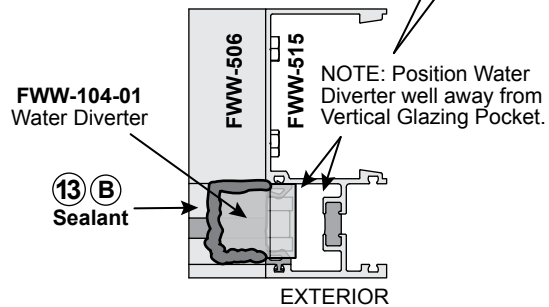
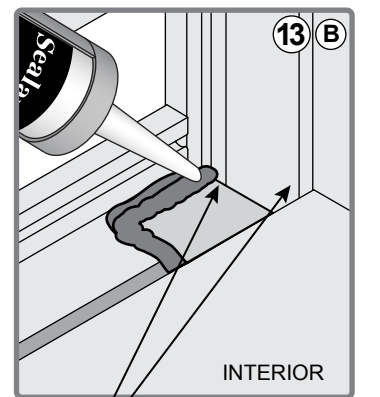
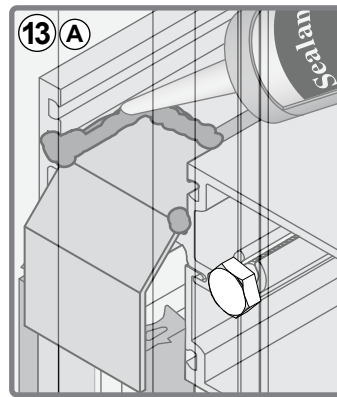
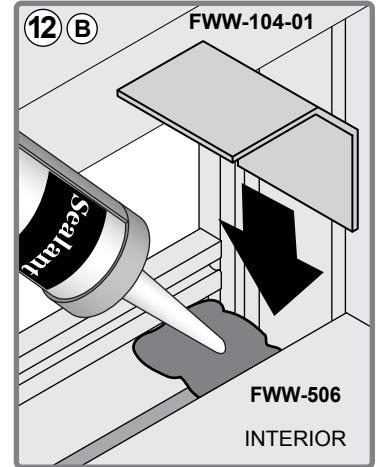
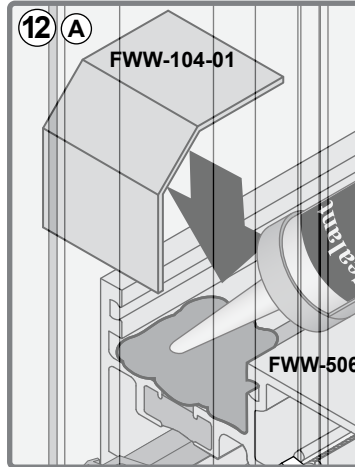
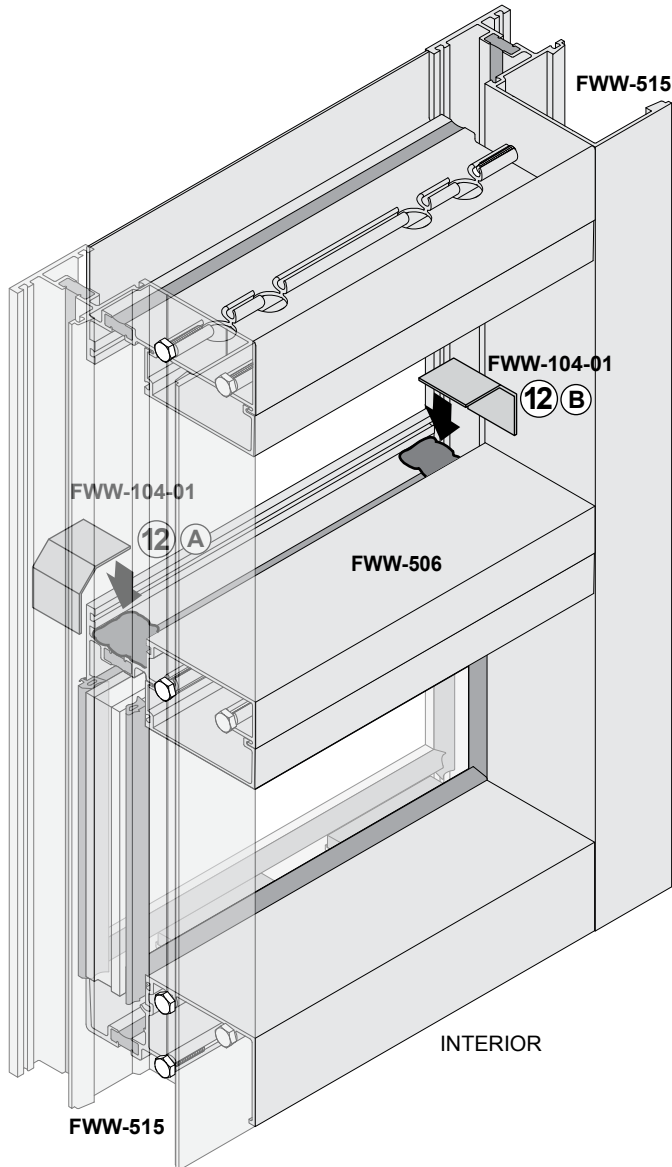
INSIDE GLAZED INSTALLATION (CONTINUED)

Water Diverter Placement

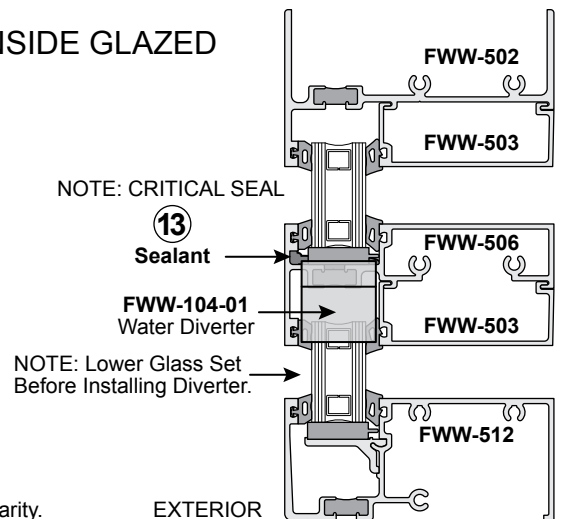
NOTE: Water Diverters are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

- 12 Embed **FWW-104-01** Water Diverter in Sealant on both ends of **FWW-506** Intermediate Horizontal.
- 13 Seal around edges of Water Diverter.
- 14 Repeat Steps 1 through 11 to install Top Lite.



INSIDE GLAZED



NOTE: Last Inside Glazed Panel shown without Filler. Head and Sill Cans not shown for clarity.

OUTSIDE GLAZED INSTALLATION

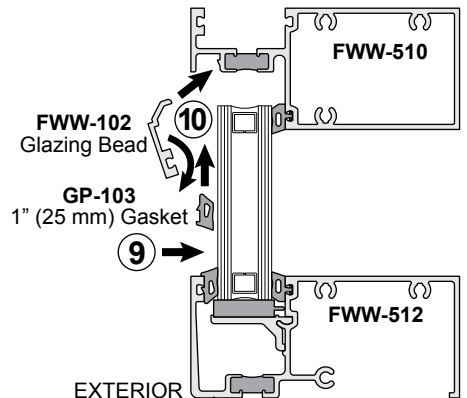
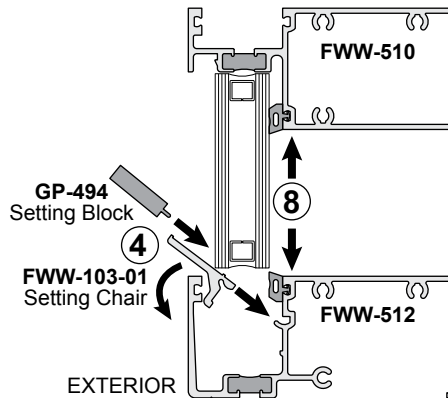
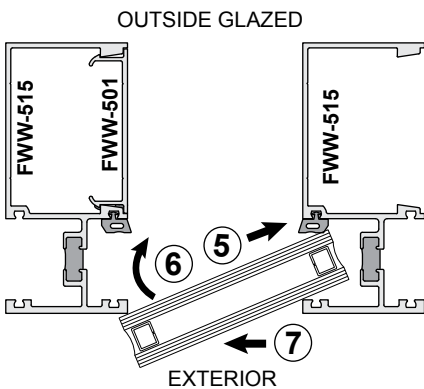
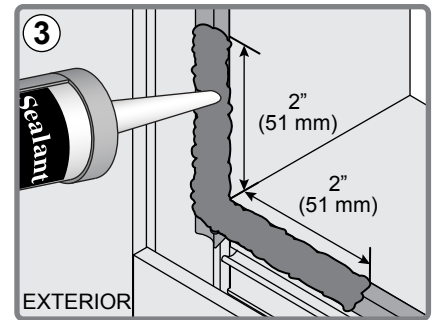
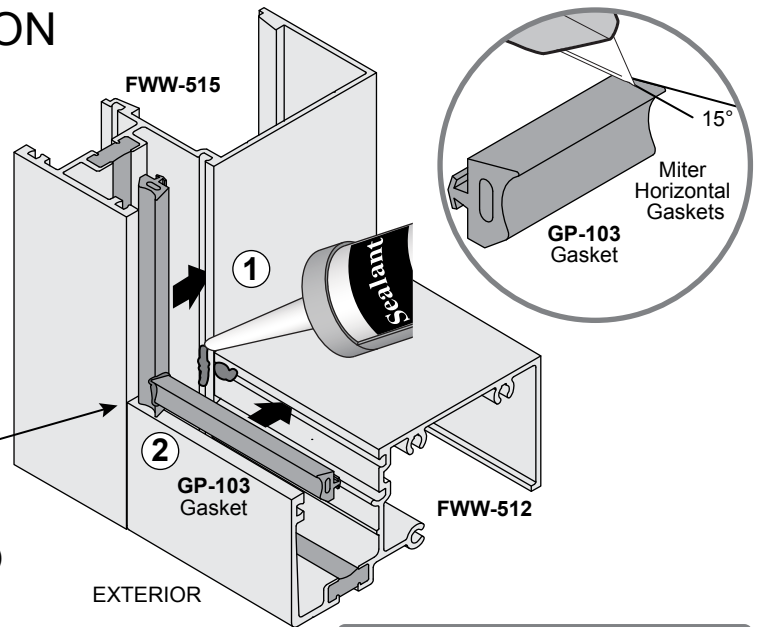
Begin at **FWW-512** Sill to glaze Bottom Lite.
See Page 25 for Gasket Preparation.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

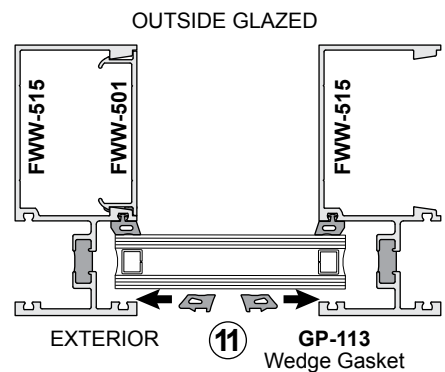
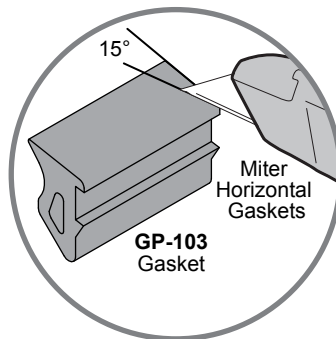
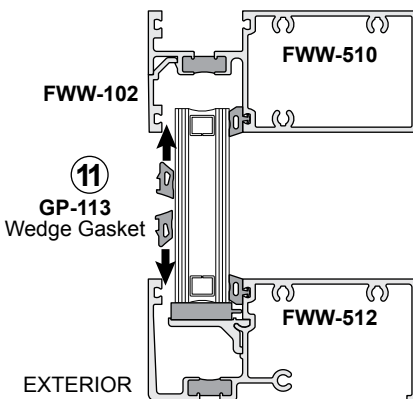
NOTE: Head and Sill Cans not shown for clarity.

- ① Seal Interior Glazing Reglets at corner.
- ② Install Interior Vertical Gasket and then Interior Horizontal Gasket.
- ③ Seal Gaskets at corner, 2" (51 mm) in each direction.
- ④ Install Setting Chairs with Setting Blocks at quarter points. (See Shop Drawings.)
- ⑤ Set Glass into Deep Pocket.
- ⑥ Swing Glass to plane.
- ⑦ Slide Glass into Shallow Pocket.
- ⑧ Lift Glass into Upper Glazing Pocket and lower onto Setting Blocks.
- ⑨ Push Glass tight against Interior Gaskets.
- ⑩ Install **FWW-102** Glazing Bead. NOTE: Temporarily hold in place with 1" (25 mm) piece of **GP-113** Gasket at each end.

Seal Mitered End Before Installing Gasket



- ⑪ Install **GP-113** Wedge Gaskets at interior using the same procedure as Steps 2 and 3 above.



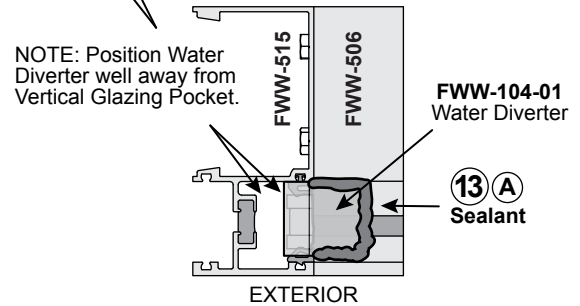
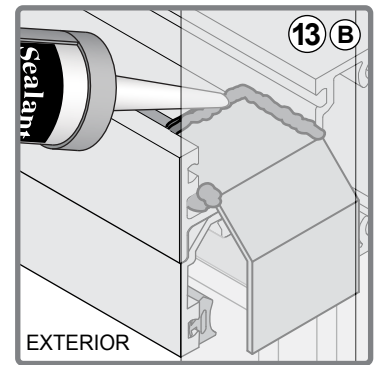
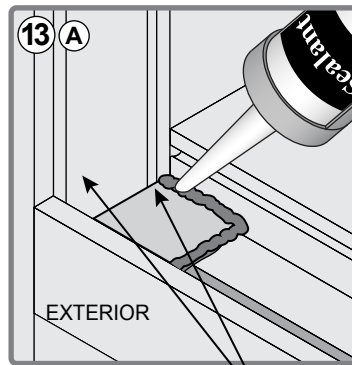
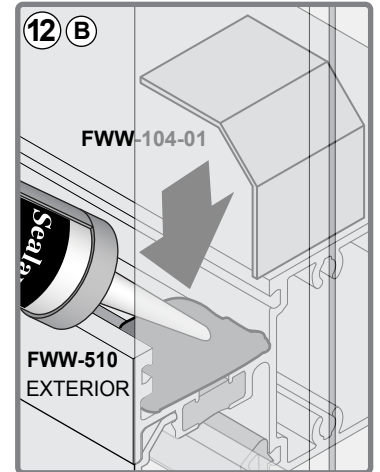
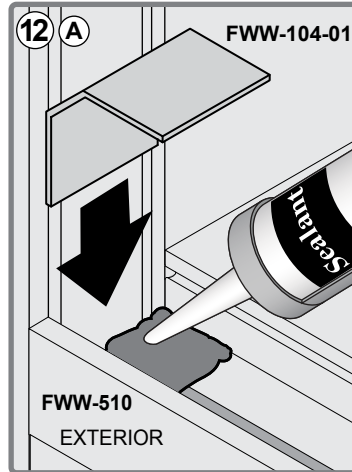
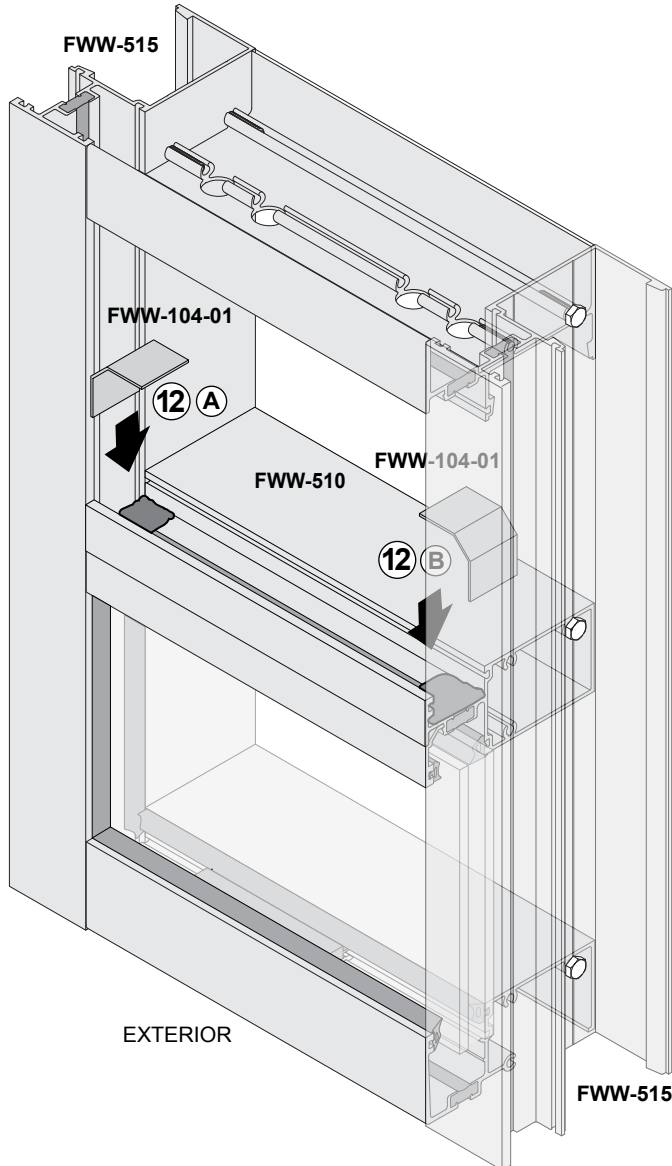
OUTSIDE GLAZED INSTALLATION (CONTINUED)

Water Diverter Placement

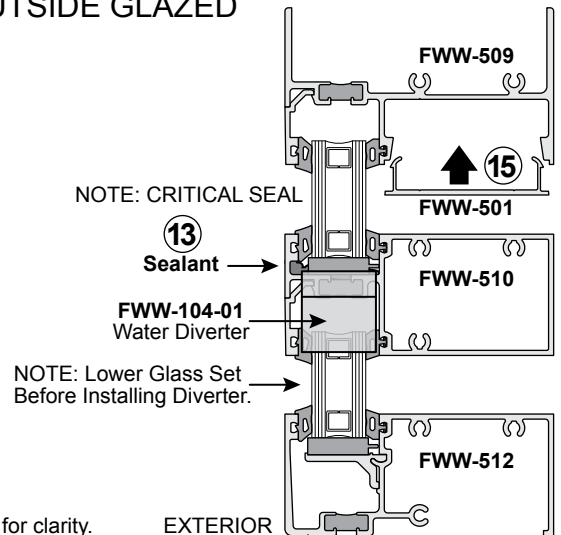
NOTE: Water Diverters are used at Intermediate Horizontals Only. Install after lower glass is set. Do not block Vertical Glazing Pocket.

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

- 12 Embed **FWW-104-01** Water Diverter in Sealant on both ends of **FWW-506** Intermediate Horizontal.
- 13 Seal around edges of Water Diverter.
- 14 Repeat Steps 1 through 12 to install Top Lite.
- 15 Snap **FWW-501** Filler into Head.



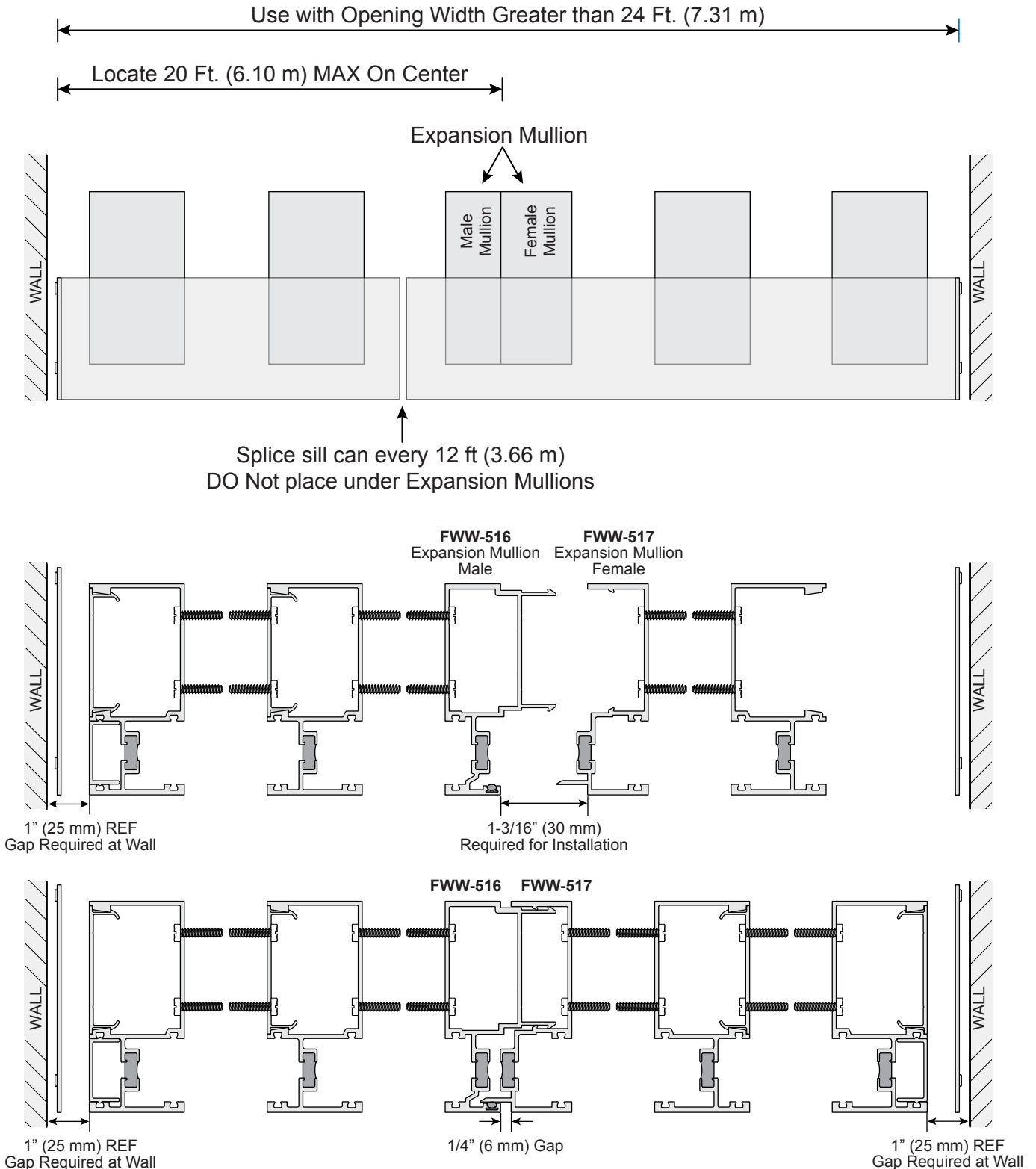
OUTSIDE GLAZED



NOTE: Last Outside Glazed Panel shown without Filler. Head and Sill Cans not shown for clarity.

EXPANSION MULLION INSTALLATION

Multiple units may require the use of an Expansion Mullion if the total width of the opening exceeds 24 feet (7.31 m). In these cases, locate Expansion Mullions no greater than 20 feet (6.10 m) on center.

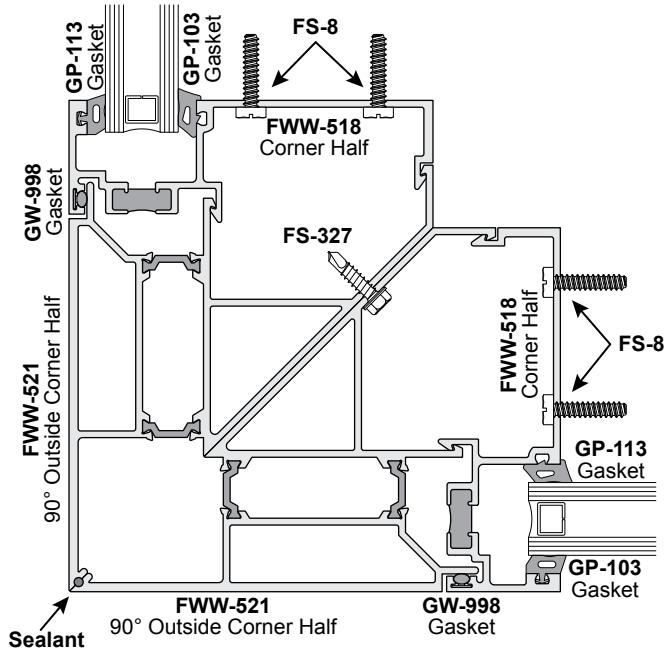


CORNER OPTIONS

Follow fabrication and installation instructions for either Inside or Outside Glazed. Inside Glazed shown below. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.

90 DEGREE OUTSIDE CORNER

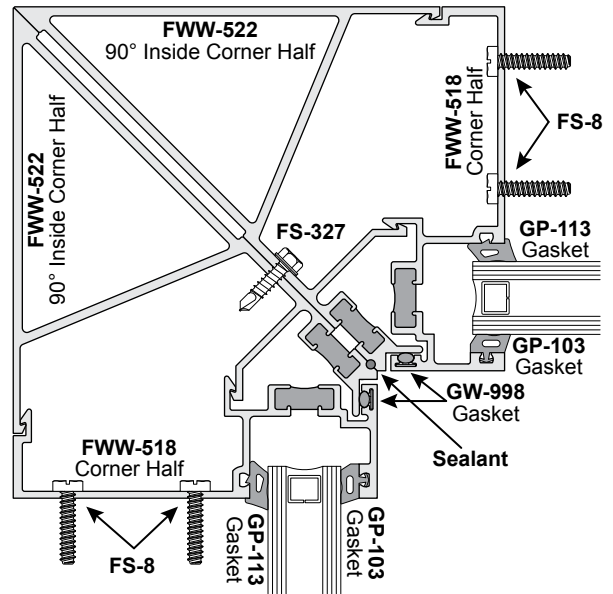
NOTE: Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.



NOTE: Seal Between Corner Assemblies. (Typ.)

90 DEGREE INSIDE CORNER

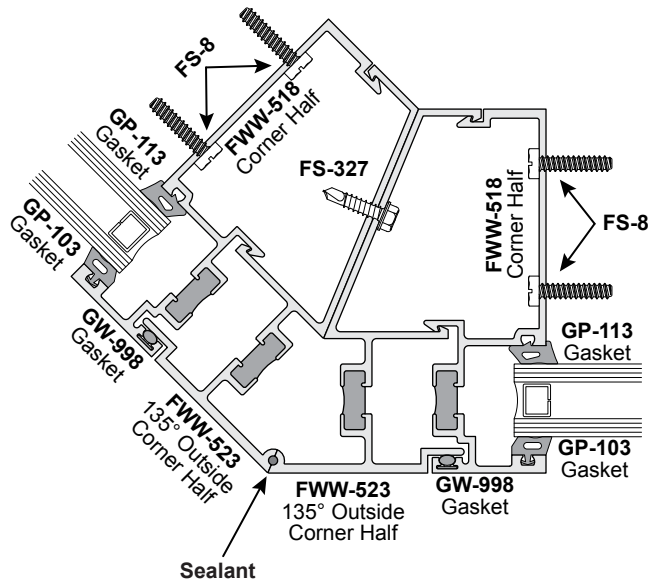
NOTE: Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.



NOTE: Seal Between Corner Assemblies. (Typ.)

135 DEGREE OUTSIDE CORNER

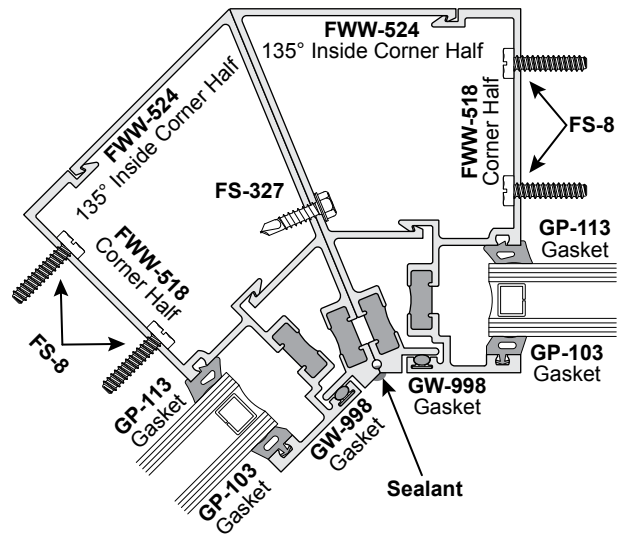
NOTE: Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.



NOTE: Seal Between Corner Assemblies. (Typ.)

135 DEGREE INSIDE CORNER

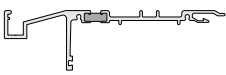
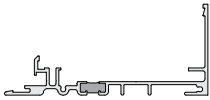

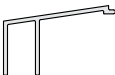

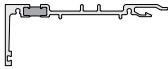

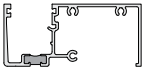
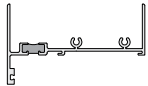
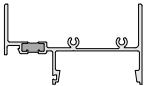
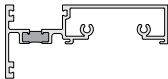
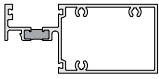



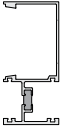
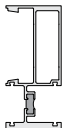
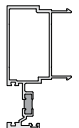



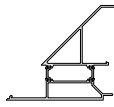
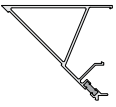


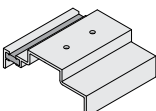
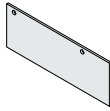
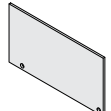
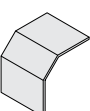
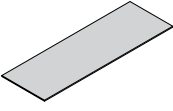










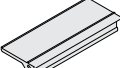
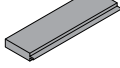
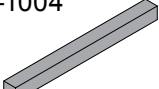
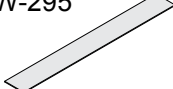
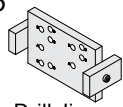
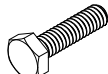




NOTE: Inside Glazed shown. Reverse **GP-103** and **GP-113** Gaskets for Outside Glazed.



NOTE: Seal Between Corner Assemblies. (Typ.)

NOTE: Use Neutral Cure Medium Modulus Silicone Sealant, or as specified by Sealant Manufacturer. Prior to sealing, clean and prep surfaces per Sealant Manufacturer's Recommendations.

PARTS IDENTIFICATION

<p>FWW-505</p>  <p>Head Can (Use with Slab Cover)</p>	<p>FWW-508</p>  <p>Sill Can (Use with Slab Cover)</p>	<p>RWW-102</p>  <p>6" Slab Edge Cover</p>	<p>ICR-1167</p>  <p>Fascia Retainer (for Slab Cover Sill Can)</p>	<p>FWW-100</p>  <p>Interior Trim</p>
<p>FWW-513</p>  <p>Head Receptor</p>	<p>FWW-514</p>  <p>Sill Can</p>	<p>FWW-512</p>  <p>Sill</p>	<p>FWW-502</p>  <p>Head (Inside Glazed)</p>	<p>FWW-509</p>  <p>Head (Outside Glazed)</p>
<p>FWW-506</p>  <p>Intermediate Horizontal (Inside Glazed)</p>	<p>FWW-510</p>  <p>Intermediate Horizontal (Outside Glazed)</p>	<p>FWW-503</p>  <p>Glazing Bead (Inside Glazed)</p>	<p>FWW-102</p>  <p>Glazing Bead (Outside Glazed)</p>	<p>FWW-501</p>  <p>Filler (for Outside Glazed Head and Verticals)</p>
<p>FWW-515</p>  <p>Vertical Mullion</p>	<p>FWW-500</p>  <p>Heavy Vertical Mullion</p>	<p>FWW-516</p>  <p>Expansion Mullion Male</p>	<p>FWW-517</p>  <p>Expansion Mullion Female</p>	<p>WW-341</p>  <p>Vinyl Pocket Filler (Use with Verticals)</p>
<p>FWW-518</p>  <p>Corner Mullion Half</p>	<p>FWW-521</p>  <p>90° Outside Corner Half</p>	<p>FWW-522</p>  <p>90° Inside Corner Half</p>	<p>FWW-523</p>  <p>135° Outside Corner Half</p>	<p>FWW-524</p>  <p>135° Inside Corner Half</p>
<p>FWW-511-02</p>  <p>Head Anchor</p>	<p>FWW-FP-04</p>  <p>Head Can End Cap</p>	<p>FWW-FP-05</p>  <p>Sill Can End Cap</p>	<p>FWW-104-01</p>  <p>Water Diverter</p>	<p>UW-466</p>  <p>2" Silicone Sheet Splice</p>
<p>RWW-FP-03</p>  <p>Fascia Retainer Splice</p>	<p>RWW-FP-04</p>  <p>Slab Edge Cover Splice</p>	<p>RWW-FP-05</p>  <p>Slab Edge Cover Support</p>	<p>RWW-FP-06</p>  <p>Slab Edge Cover End Cap</p>	<p>GW-998</p>  <p>Bulb Gasket (Corner / Expansion)</p>
<p>GP-103</p>  <p>Interior Gasket</p>	<p>GP-113</p>  <p>Exterior Wedge Gasket</p>	<p>GP-490</p>  <p>Interior Wedge Gasket (Head and Sill Cans)</p>	<p>GP-493</p>  <p>Exterior Gasket (Head Can)</p>	<p>GP-32007</p>  <p>Bulb Gasket (Slab Edge Cover)</p>
<p>FWW-103-01</p>  <p>Setting Chair</p>	<p>GP-494</p>  <p>Setting Block</p>	<p>HP-1004</p>  <p>Foam Baffle</p>	<p>SPW-295</p>  <p>Baffle Retainer</p>	<p>DJ-225</p>  <p>Drill Jig</p>
<p>FS-8</p>  <p>#14 x 1" HH BPT (Assemble Bays)</p>	<p>FS-42</p>  <p>#10 x 1/2" PFHD (Install Fascia Retainer)</p>	<p>FS-233</p>  <p>1/4-20 x 5/8" SCS (Install Sill)</p>	<p>FS-320</p>  <p>3/32" x 5/8" Drive Pin (Install End Caps)</p>	<p>FS-327</p>  <p>#12-14 x 7/8" HWH (Install Head Anchor)</p>