Oldcastle BuildingEnvelope®

# *FG-1000 - FG-2000 STOREFRONT*

## *INSTALLATION AND GLAZING MANUAL*

*Note: Installation and Glazing Manuals are product specific.* ***FOR REVIEW ONLY!***

*1-866-OLDCASTLE (653-2278)*
*Web: www.obe.com*

*September 2016*

# FG-1000 & FG-2000 INSTALLATION & GLAZING INSTRUCTIONS

These instructions are to be used for typical installations. Reference shop drawings for special notations on installations and glazing.

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# GENERAL INFORMATION

**PRODUCT USE**
The ***FG-1000*** and ***FG-2000*** flush glazing systems by Oldcastle BuildingEnvelope® are intended for installation by glazing professionals with appropriate experience. Subcontractors without experience should employ a qualified person to provide field instruction and project management.

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

***Consult sealant manufacturer for review and recommendation of sealant application. Follow sealant manufacturer's recommendations and literature for proper installation.***

The air and water performance of the ***FG-1000*** and ***FG-2000*** flush glazing systems are directly related to the completeness and integrity of the installation process of both the seal installed at the horizontal to vertical connections and the glazing gaskets. To insure top performance for this system, particular attention should be given the following procedures:

1. Surfaces to be sealed with tacky tape should be cleaned with isopropyl alcohol or solvent and dried as recommended by sealant manufacturer to remove all dirt and cutting oils.
2. The glazing gaskets should be installed so as to avoid stretching, buckles or tears. Corners must be cut square, sealed and butted together. To avoid damage to gasket and corner joints during glazing, glass should be level and straight during installation.

Variations on the details shown are inevitable and are not the responsibility of Oldcastle BuildingEnvelope® when drawn by others. Oldcastle BuildingEnvelope® strongly encourages i ts customers to use its engineering department for calculations and shop drawings.

Consult glass manufacturer for correct setting block location and length for glass sizes in excess of 40 sq.ft.

**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 CW-10, "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 ***FG-1000*** and ***FG-2000*** flush glazing systems are designed to accommodate glass or panels measuring ¼" in thickness. (+/- 1/32"). Check all material 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 installation instructions are of a general nature and cover the most common conditions. Due to varying job conditions all sealant used must be approved by the sealant manufacturer to insure it will perform per the 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 remainder of shelf life before using.

# GENERAL INFORMATION

### FIELD CONDITIONS

All material to be installed must be 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 chromate, bituminous paint or non-metallic material.
After sealant is set and a representative amount of the wall has been glazed (250 square feet or more), run a water hose test in accordance with AAMA 501.2 specifications to check installation. On large projects the hose test should be repeated during the glazing operation.

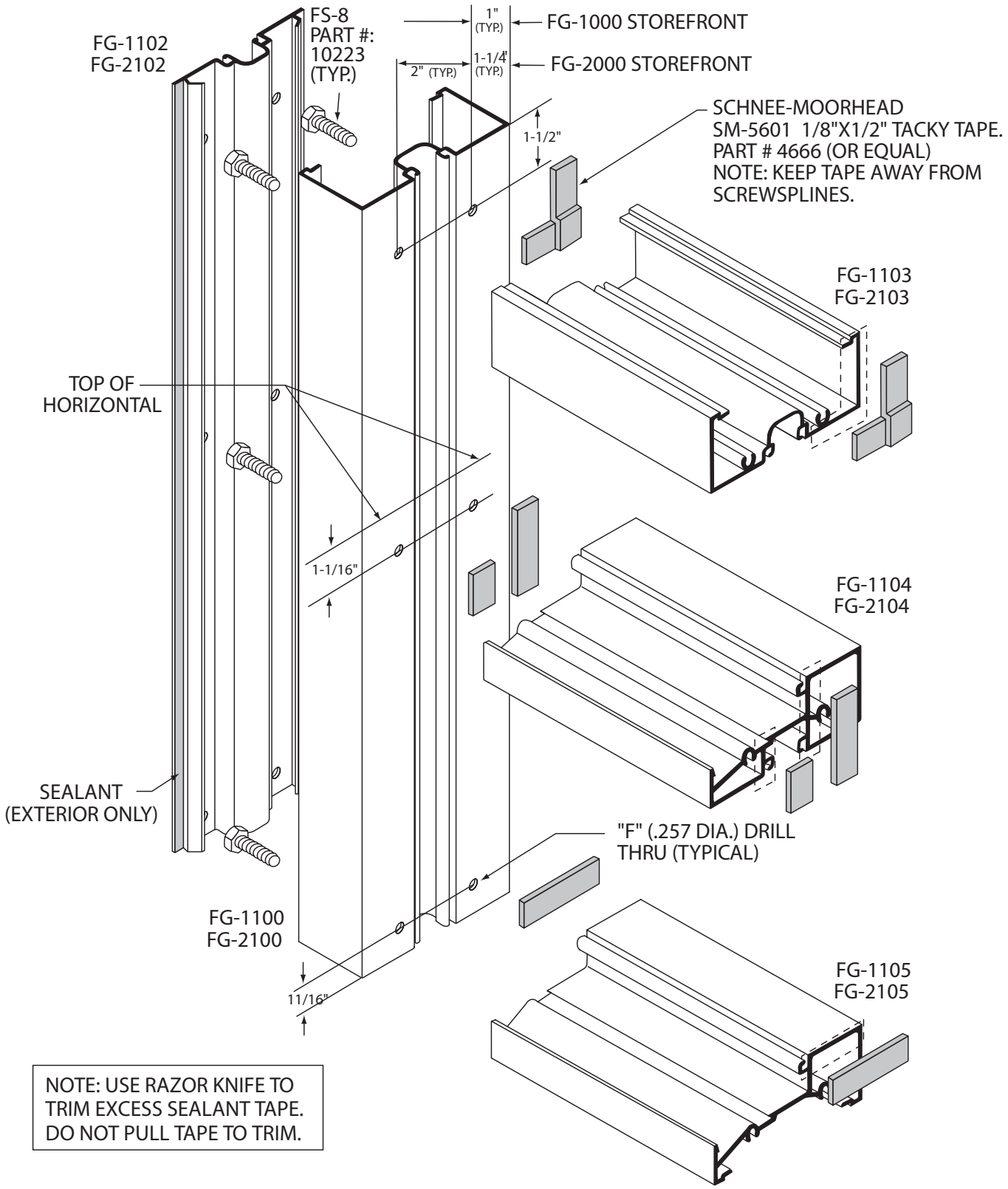
### CLEANING MATERIALS

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.

### 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 installation. For example, a 12 foot unrestrained length of aluminum can expand or contract 3/32″ over a temperature change of 50° F. Any movement potential should be accounted for at the time of the installation.

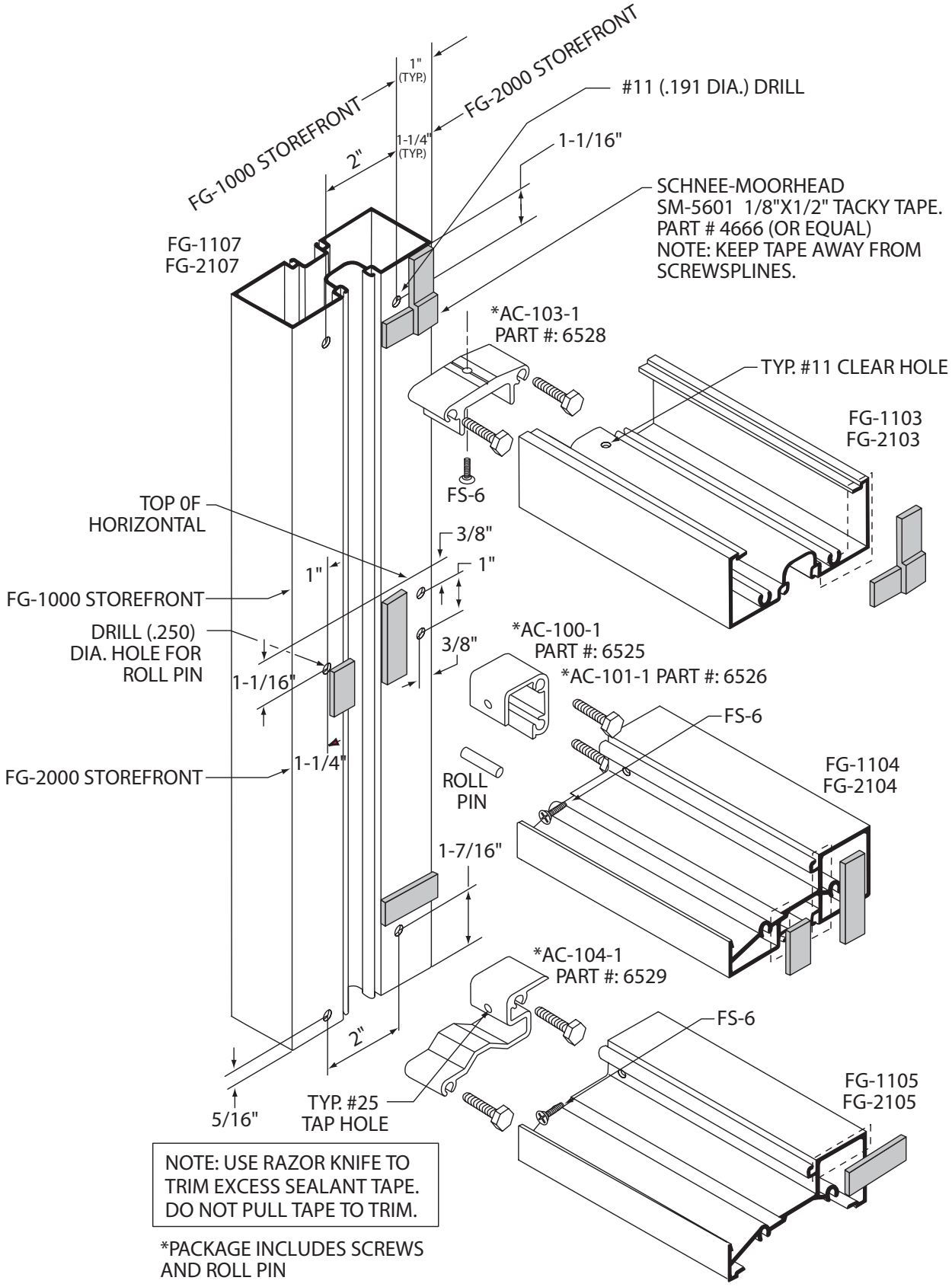
## OUTSIDE GLAZE-SCREW SPLINE-FRAME ASSEMBLY




NOTE: USE RAZOR KNIFE TO TRIM EXCESS SEALANT TAPE. DO NOT PULL TAPE TO TRIM.

FOR FASTER, MORE ACCURATE HOLE FABRICATION, WE RECOMMEND THE EZ PUNCH FABRICATION TOOL. DJ-5 DRILL FIXTURE PART # 4562 IS ALSO AVAILABLE TO AID FABRICATION FOR SCREW SPLINE FRAME ASSEMBLY.

## OUTSIDE GLAZE-SHEAR BLOCK-FRAME ASSEMBLY

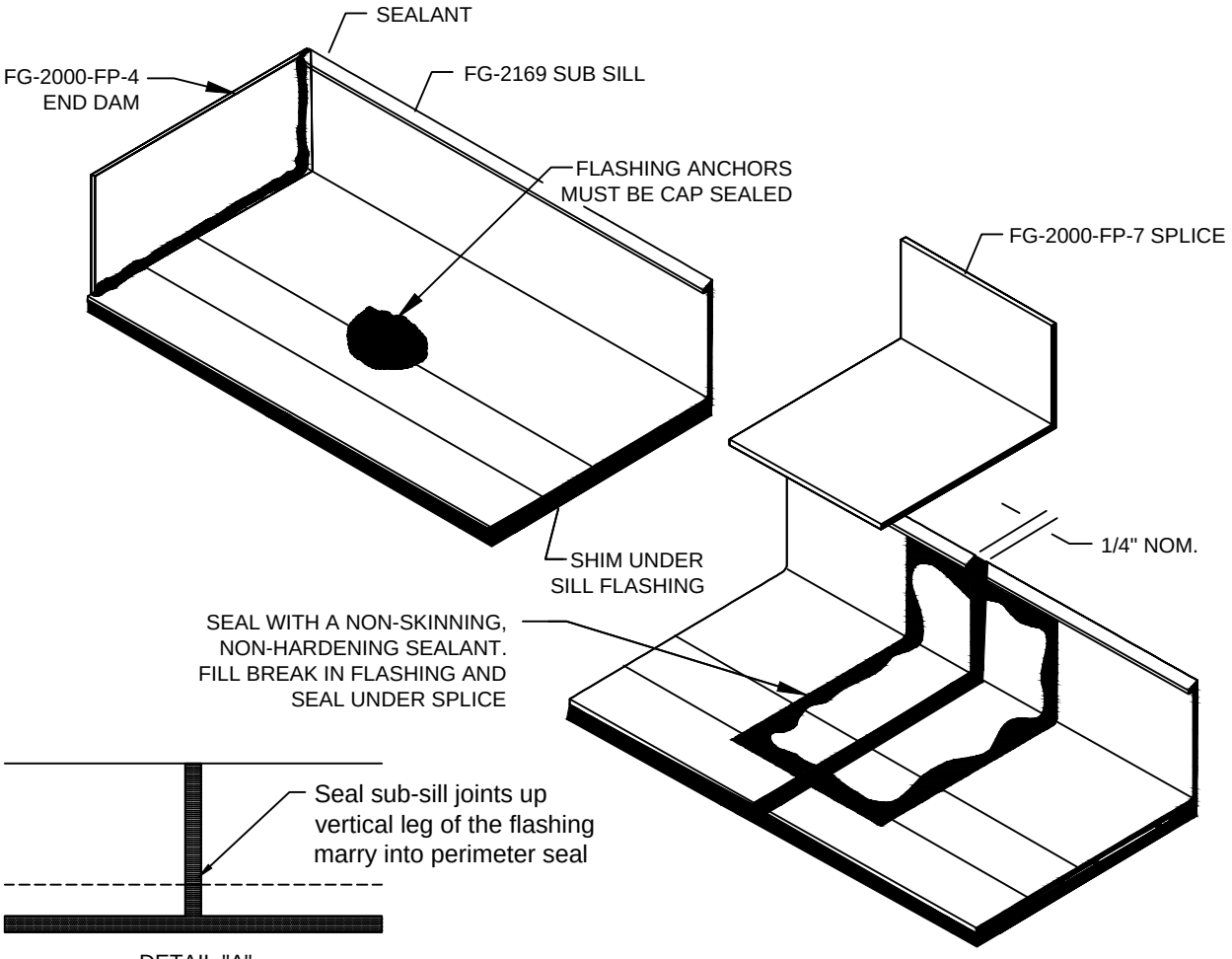



NOTE: USE RAZOR KNIFE TO TRIM EXCESS SEALANT TAPE. DO NOT PULL TAPE TO TRIM.

*PACKAGE INCLUDES SCREWS AND ROLL PIN

DJ-3 PART # 4560 AND DJ-4 PART # 4561 DRILL FIXTURES ARE AVAILABLE TO AID IN FABRICATION FOR SHEAR BLOCK FRAME ASSEMBLY.

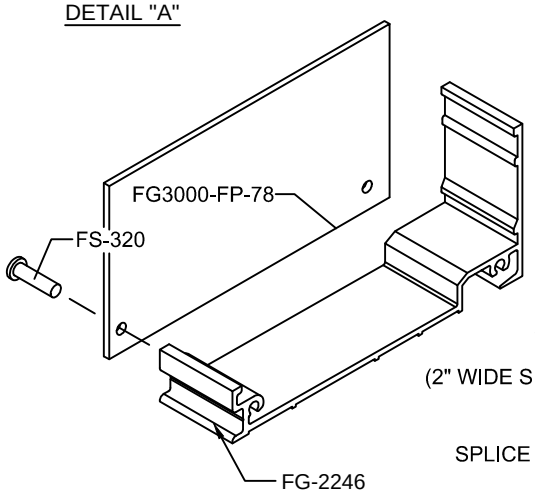
## OUTSIDE GLAZE-SILL FLASHING INSTALLATION



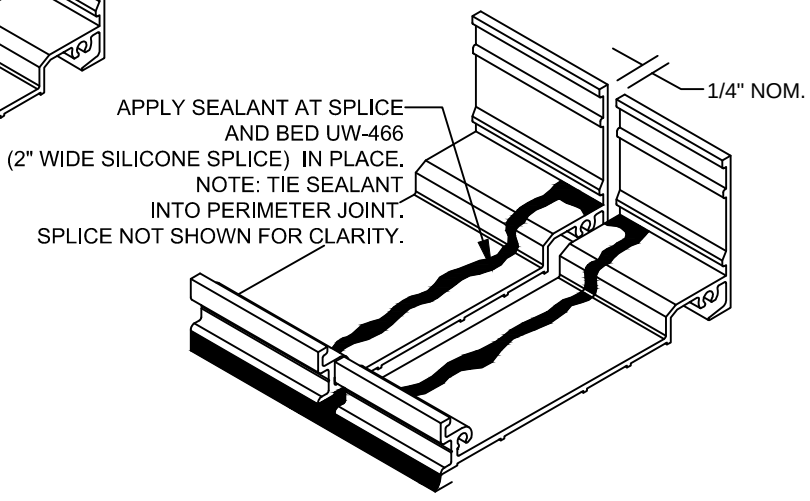




DETAIL "A"

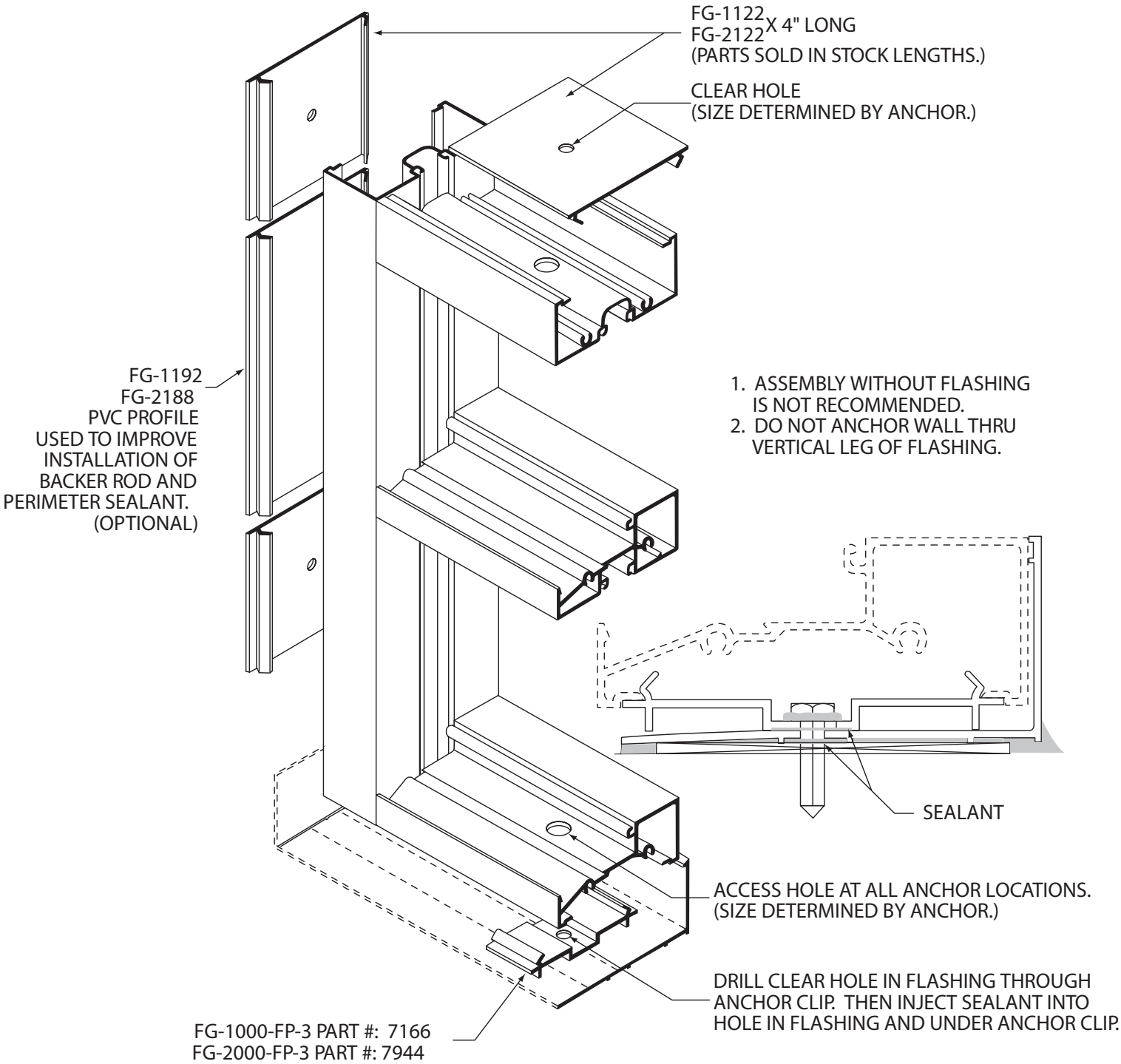



OPTION SUB-SILL (FG-2246)
TO BE USED WITH OUTSIDE
GLAZE FG-2000 ONLY



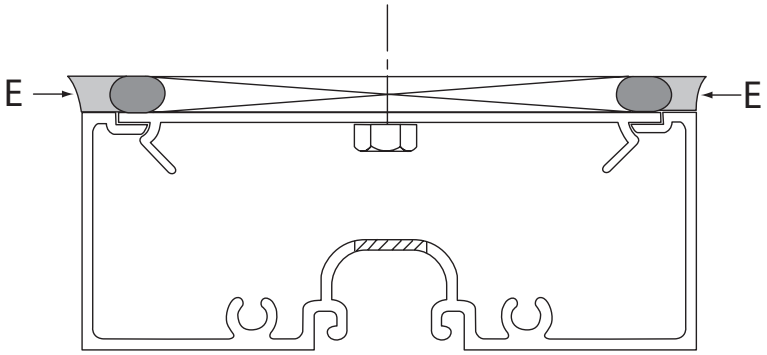

NOTE: SILL FLASHING SHOULD BE LEVEL AND MAKE SURE IT IS NOT TILTED TOWARD THE INTERIOR.

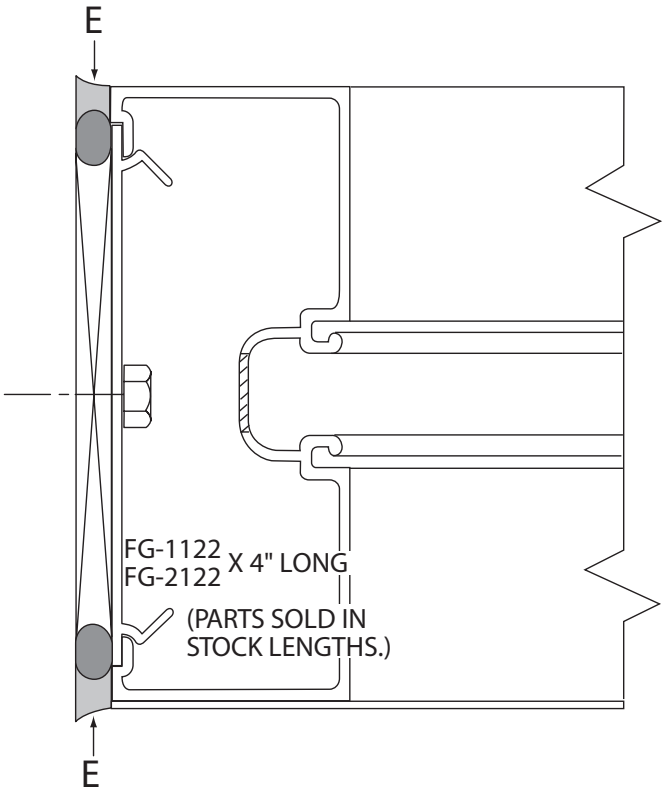
## OUTSIDE GLAZE-FRAME INSTALLATION




ANCHOR SIZE AND FREQUENCY SHOULD BE DETERMINED BY STRUCTURAL REQUIREMENTS. SILL ANCHORS FG-1000-FP3/FG-2000-FP-3 AND HEAD ANCHORS FG-1122/FG-2122 SHOULD BE LOCATED SO THAT THE ANCHOR IS NOT MORE THAN 4" FROM EACH SIDE OF THE MULLION.

## OUTSIDE GLAZE-SILL INSTALLATION AND PERIMETER SEAL

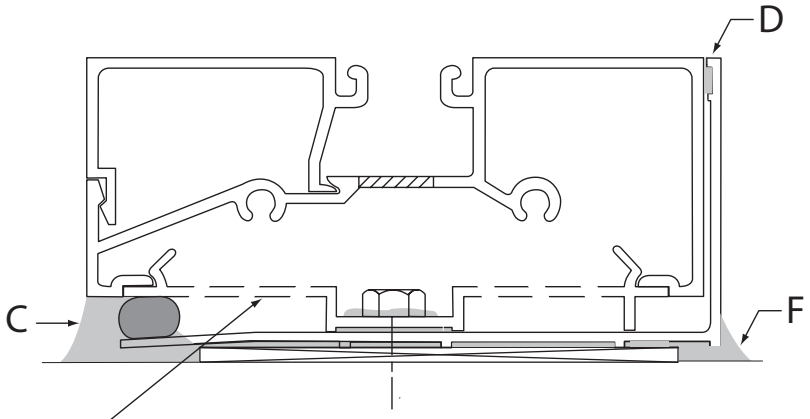



SHIM UNDER SILL FLASHING

SPACE BETWEEN SILL AND FLASHING (C) TO BE CONTINUOUSLY SEALED EXCEPT FOR 1/2"-3/4" SPACE UNDER VERTICAL MULLIONS FOR WEEPAGE. ONCE THE WALL IS SECURED, SEAL GROVE (D) BETWEEN SILL FLASHING AND BACK OF SILLS.

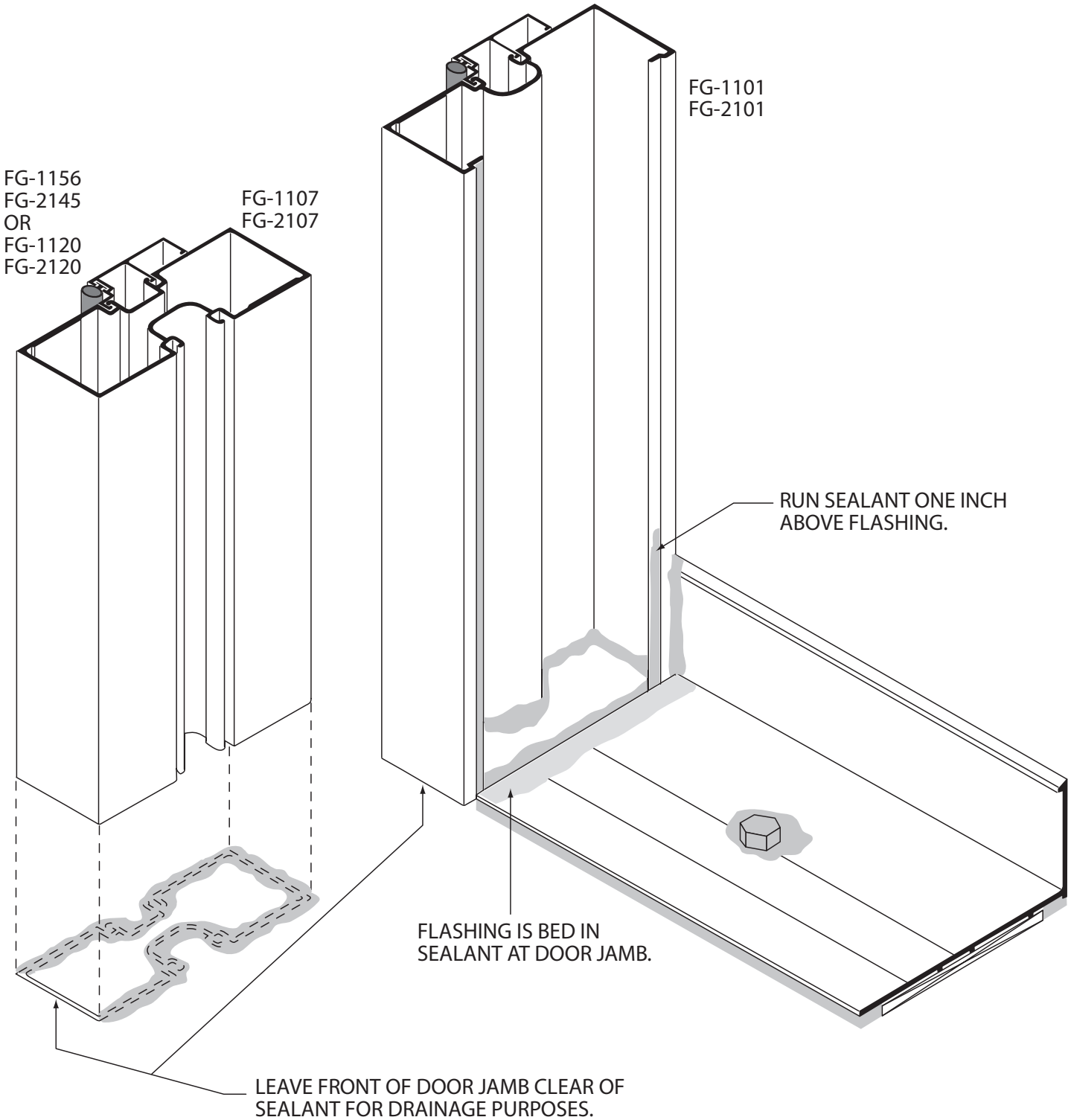
THE QUALITY OF THE INSIDE AND OUTSIDE PERIMETER SEALS (C AND E) MAY BE IMPROVED BY USING FG-1192/FG-2188 RIGID PVC FILLER. THE PART MAY BE USED IN FULL LENGTHS OR CUT INTO PIECES. ITS PURPOSE IS TO PROVIDE SUPPORT FOR THE BACKER ROD REGARDLESS OF JOINT OR SIZE. PERIMETER SEAL (F) IS FOR COSMETIC PURPOSES AND IS OPTIONAL.




NOTE: 1/2"-3/4" WEEP HOLE REQUIRED IN SEALANT AT FLASHING (C) AT CENTER LINE OF MULLION.

FG-1000-FP-3 PART #: 7166
FG-2000-FP-3 PART #: 7944

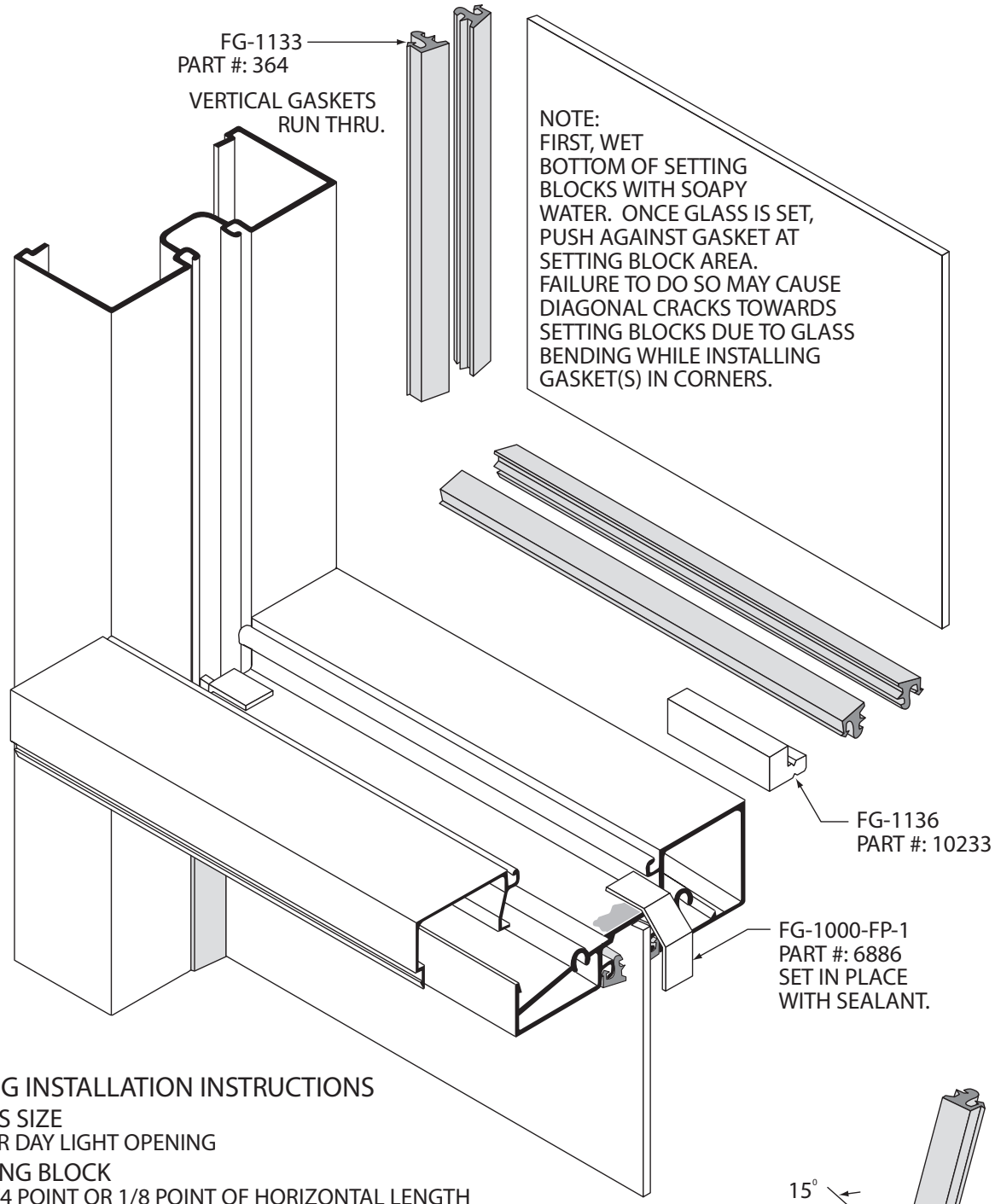
## OUTSIDE GLAZE/SEALANT PROCEDURE FOR DOOR FRAME AT FLASHING




WITH SCREW SPLINE HORIZONTAL, USE SHEAR BLOCKS AS SHOWN ON PAGE 5 TO SECURE HORIZONTALS TO TUBULAR FRAME.

DOOR FRAME IS ANCHORED BY FASTENERS THROUGH THRESHOLD AND THROUGH DOOR FRAME HEADER.

## OUTSIDE GLAZE-GLAZING PROCEDURE




### GLAZING INSTALLATION INSTRUCTIONS

GLASS SIZE

5/8" OVER DAY LIGHT OPENING

SETTING BLOCK

SET AT 1/4 POINT OR 1/8 POINT OF HORIZONTAL LENGTH DEPENDING ON LITE SIZE.

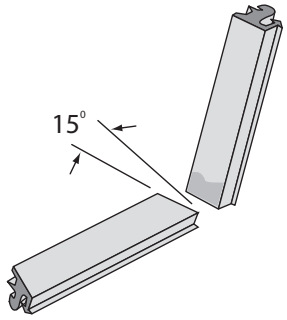
WATER DIVERTERS

GLAZE FROM BOTTOM TO TOP. INSTALL WATER DIVERTERS IN HORIZONTAL ABOVE, AFTER LITE BELOW IS IN POSITION.

GLAZING GASKET

GASKET MAY BE INSTALLED ON ONE OR BOTH SIDES SIMULTANEOUSLY. PROVIDE 3/8" ADDITIONAL GASKET FOR EACH FOOT OF DAYLIGHT OPENING TO PROVIDE ADEQUATE COMPRESSION FOR THE GLAZING INFILL.

NOTE: CLEAN GASKET WITH ISOPROPYL ALCOHOL PRIOR TO SEALING CORNERS.




MITER HORIZONTAL GASKET TO FIT VERTICAL GASKET.

## STACK FRAME ASSEMBLY AND INSTALLATION

The assembly and sealant procedures are a part of the installation sequence because of the stacking method.

HEAD CAN:

Anchor screws should be within 4" of each side of the intended mullion location. Head anchors (AC-109-1 PART #: 6554) should be used if the height x width x design load is 500 lbs. or more at the top of the mullion. Normally one anchor screw at the middle of the lite or 24" O.C. is adequate for securing the header. For unusual conditions, consult Oldcastle BuildingEnvelope™ engineering department.

SILL CAN:

Shim can a minimum 1/4". Anchor sill can 24" O.C. and no more than 4" on each side of intended mullion locations. Be sure weeps are located under center line of mullion. Seal both sides of can.

HORIZONTAL HEAD AND SILL INSERTS:

Members are cut 1/16" less than daylight opening to allow for incremental expansion.

JAMB MEMBERS:

Remember all horizontals are cut 1/16" short. Do not over shim between jamb and structure.

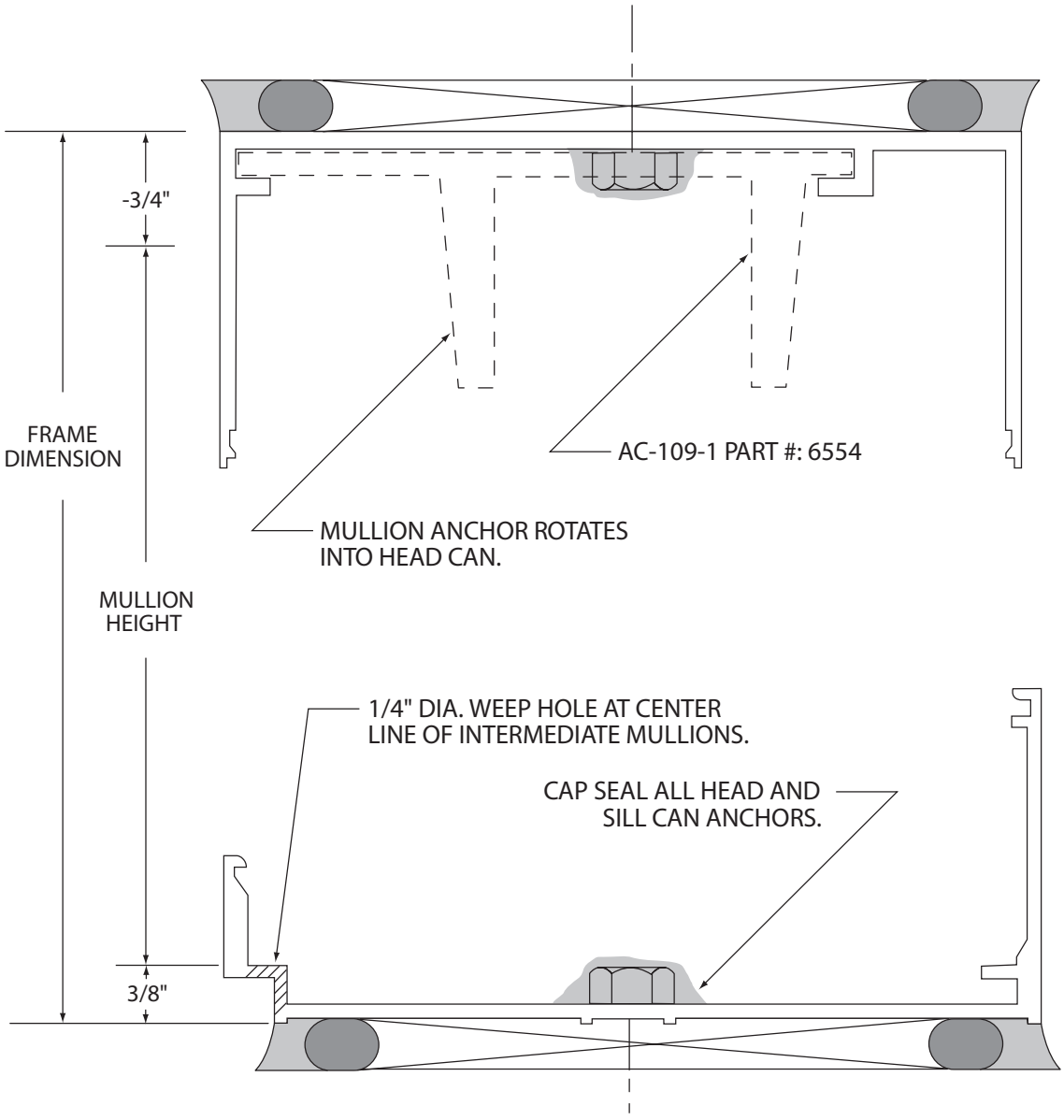
MULLIONS:

Cut mullion length outside frame dimension minus 1-1/8" Install mulls by sliding top end over anchor and rotating bottom into position.

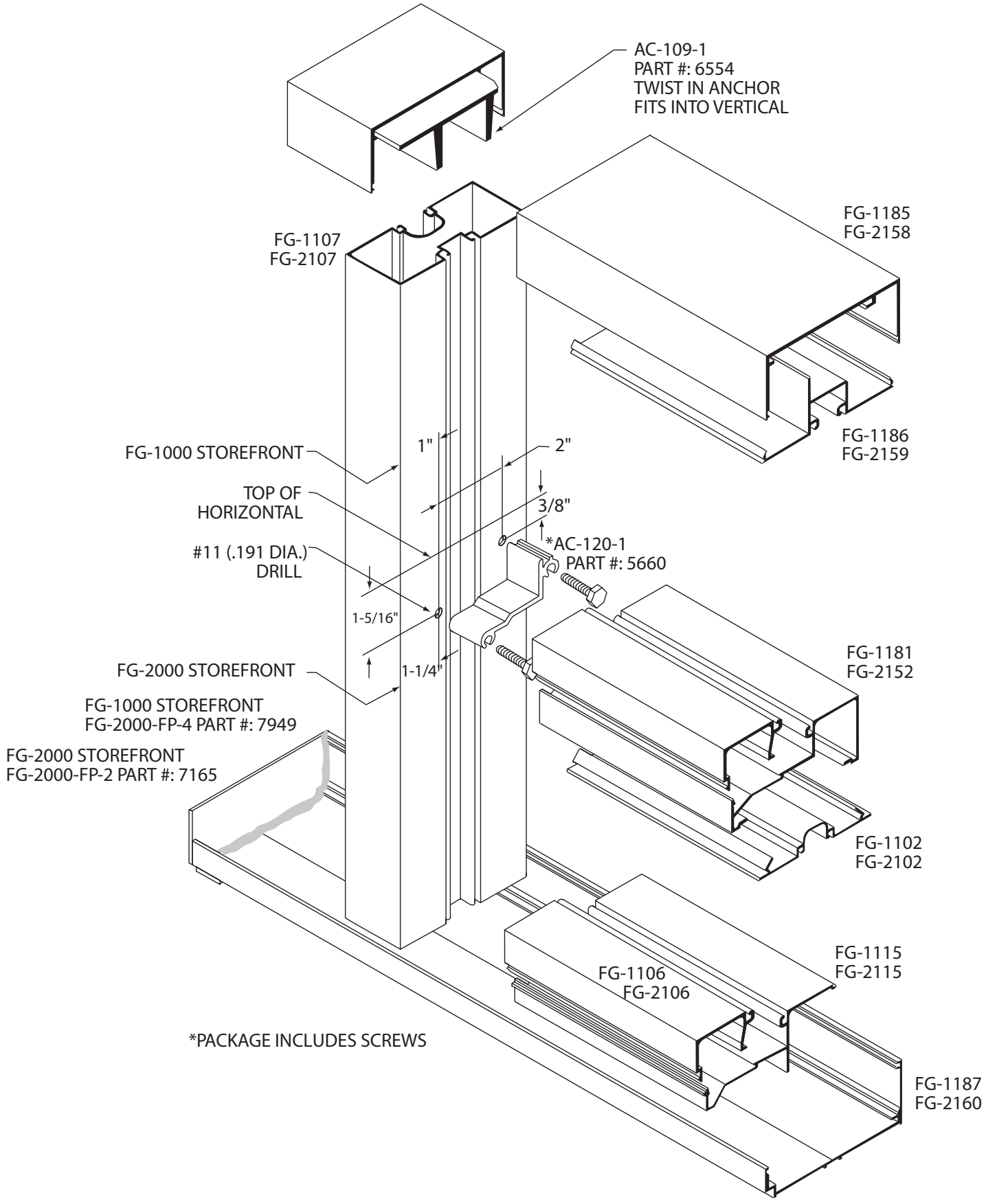
RECOMMENDATION:

Prior to glazing, fill sill cavity with water to assure that end dams and anchors are sealed.

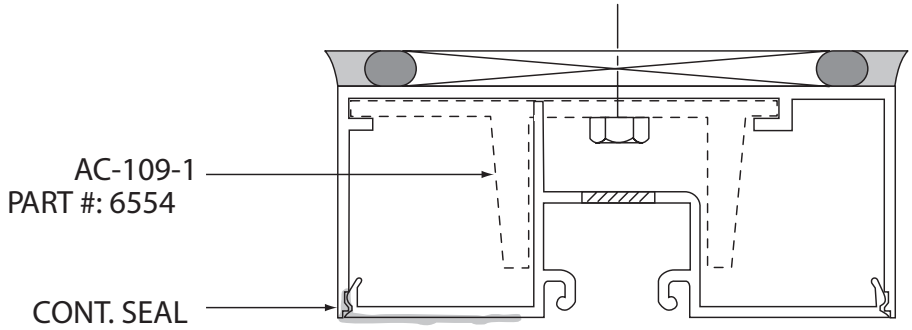
STACK SYSTEM ANCHORING

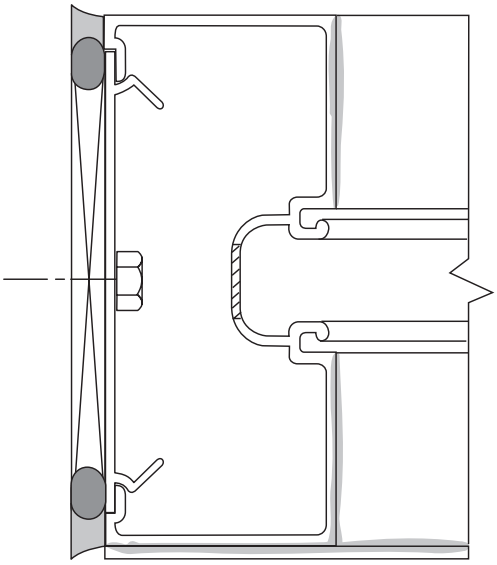


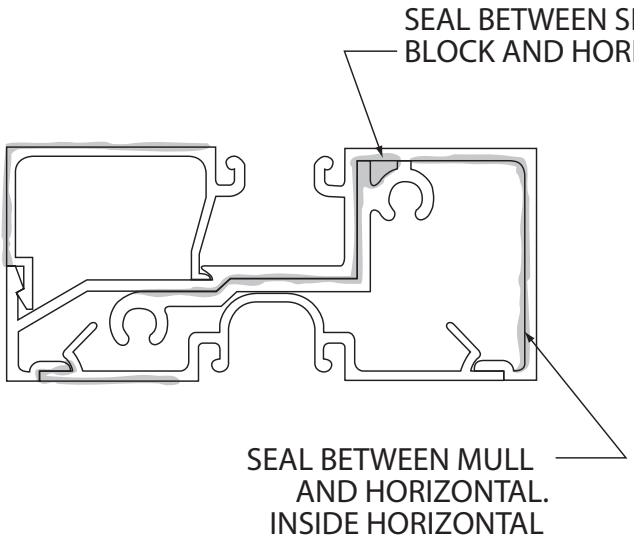
## STACK SYSTEM FRAME ASSEMBLY AND INSTALLATION

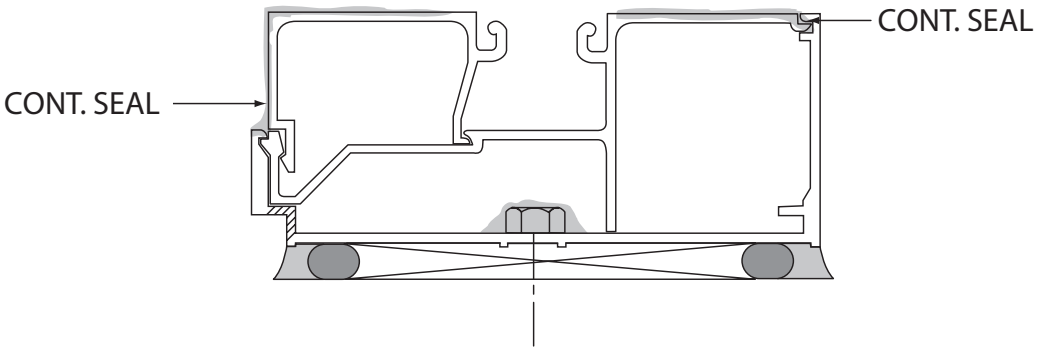


## STACK SYSTEM SEALANT PROCEDURES



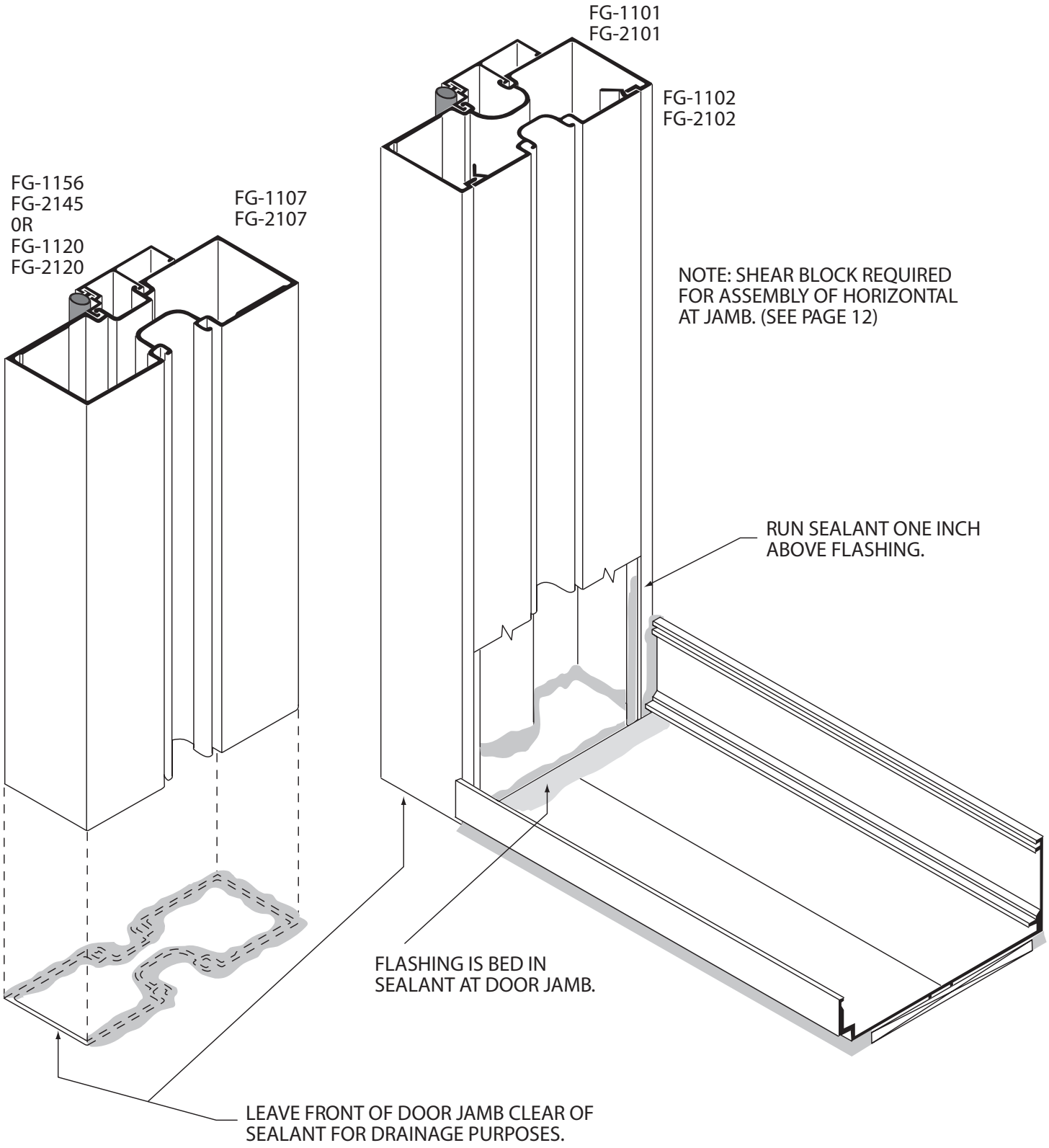





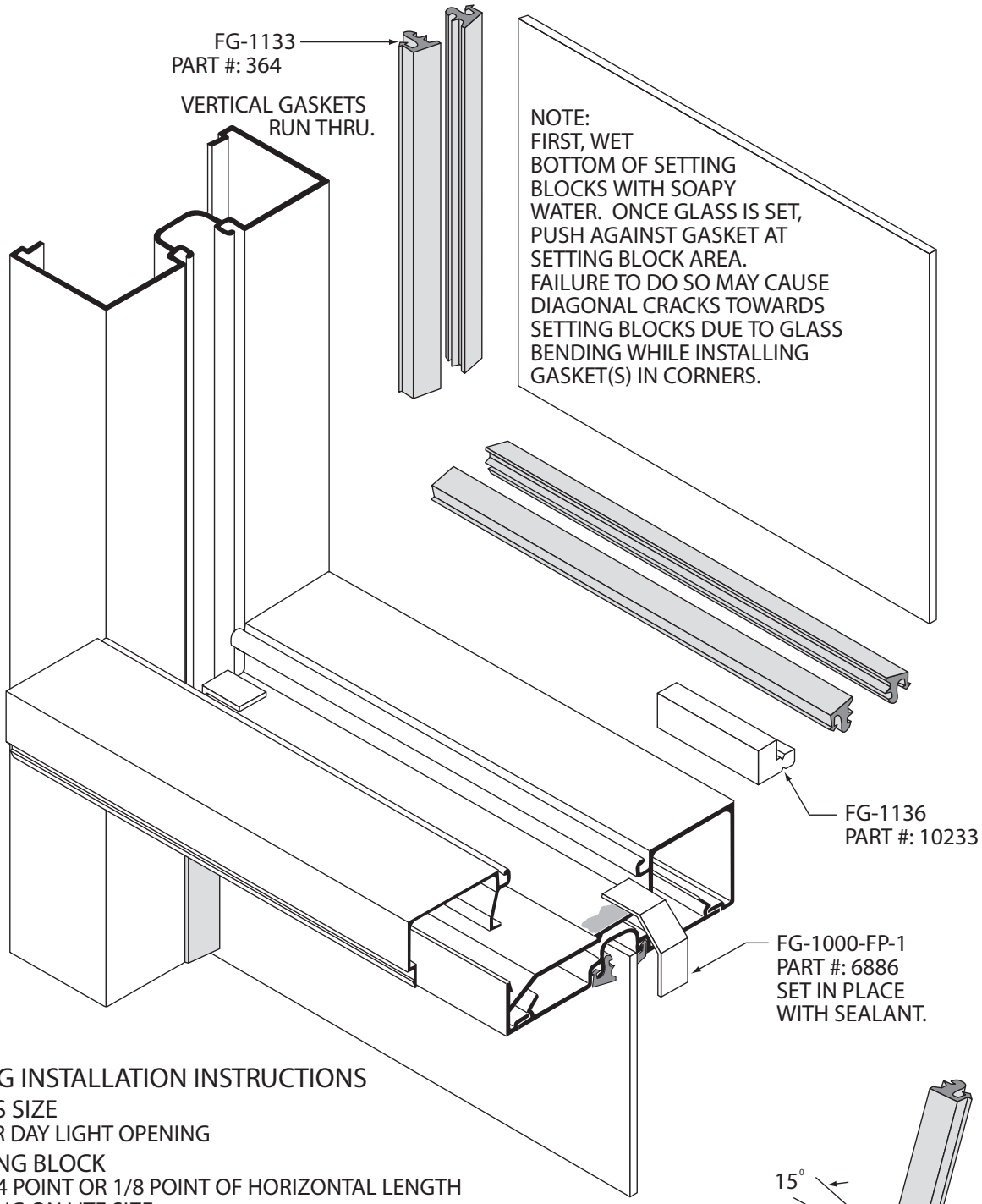

NOTE: THE NATURE OF THE STACK SYSTEM REQUIRES CARE WHEN APPLYING SEALANTS AS SHOWN TO ENSURE PERFORMANCE LEVELS SHOWN IN THE TEST REPORT.

## STACK SYSTEM SEALANT PROCEDURE FOR DOOR FRAME AT FLASHING




DOOR FRAME IS ANCHORED BY FASTENERS THROUGH THRESHOLD AND THROUGH DOOR FRAME HEADER.

## STACK SYSTEM GLAZING PROCEDURE




### GLAZING INSTALLATION INSTRUCTIONS

GLASS SIZE

5/8" OVER DAY LIGHT OPENING

SETTING BLOCK

SET AT 1/4 POINT OR 1/8 POINT OF HORIZONTAL LENGTH DEPENDING ON LITE SIZE.

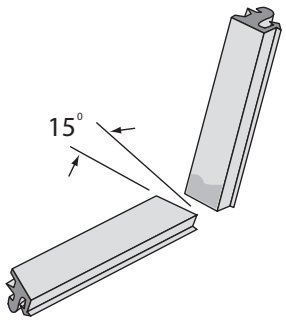
WATER DIVERTERS

GLAZE FROM BOTTOM TO TOP. INSTALL WATER DIVERTERS IN HORIZONTAL ABOVE, AFTER LITE BELOW IS IN POSITION.

GLAZING GASKET

GASKET MAY BE INSTALLED ON ONE OR BOTH SIDES SIMULTANEOUSLY. PROVIDE 3/8" ADDITIONAL GASKET FOR EACH FOOT OF DAYLIGHT OPENING TO PROVIDE ADEQUATE COMPRESSION FOR THE GLAZING INFILL.

NOTE: CLEAN GASKET WITH ISOPROPYL ALCOHOL PRIOR TO SEALING CORNERS.



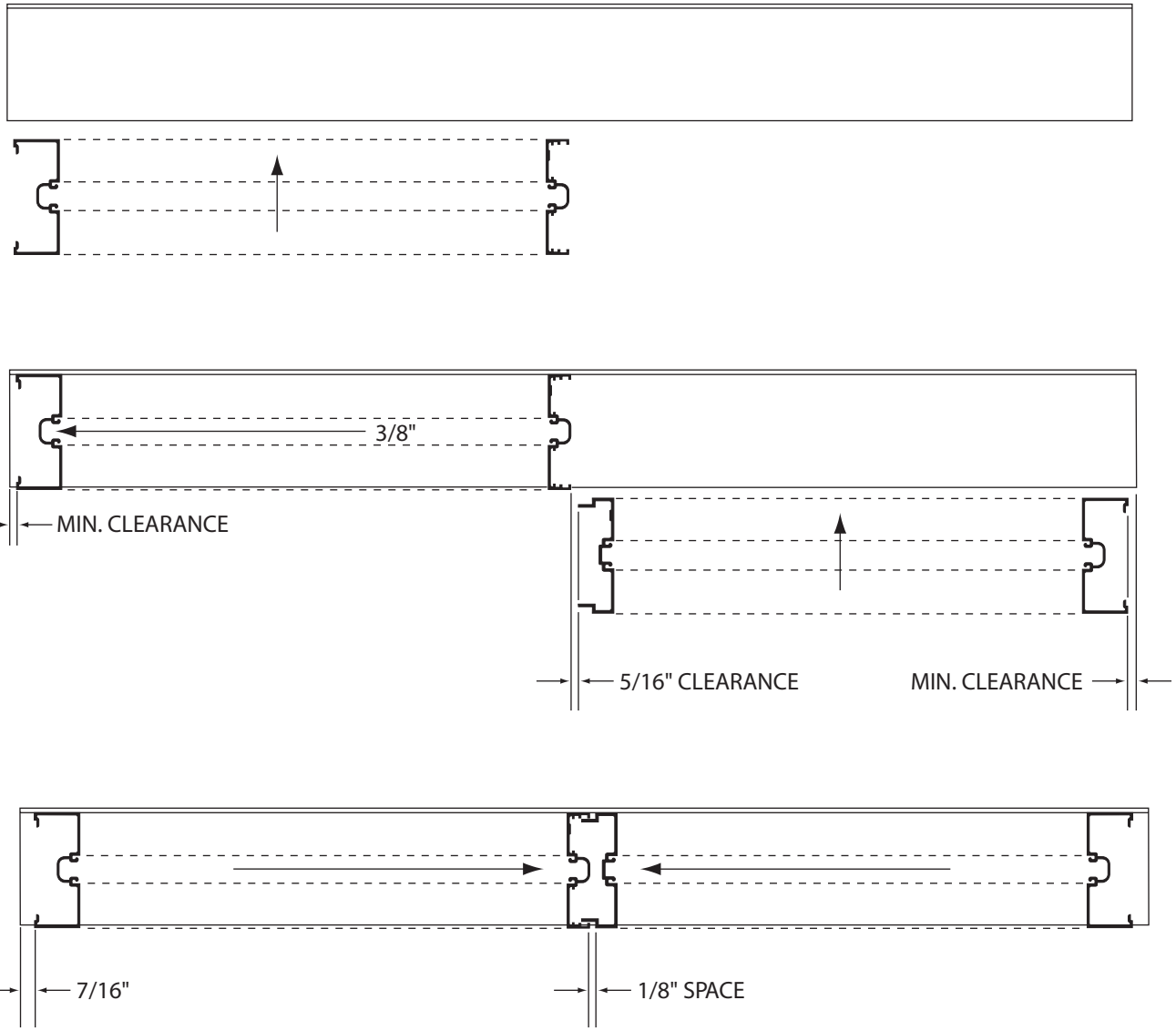

MITER HORIZONTAL GASKET TO FIT VERTICAL GASKET.

## FG-2000: INSIDE GLAZE, SCREW SPLINE FRAME ASSEMBLY

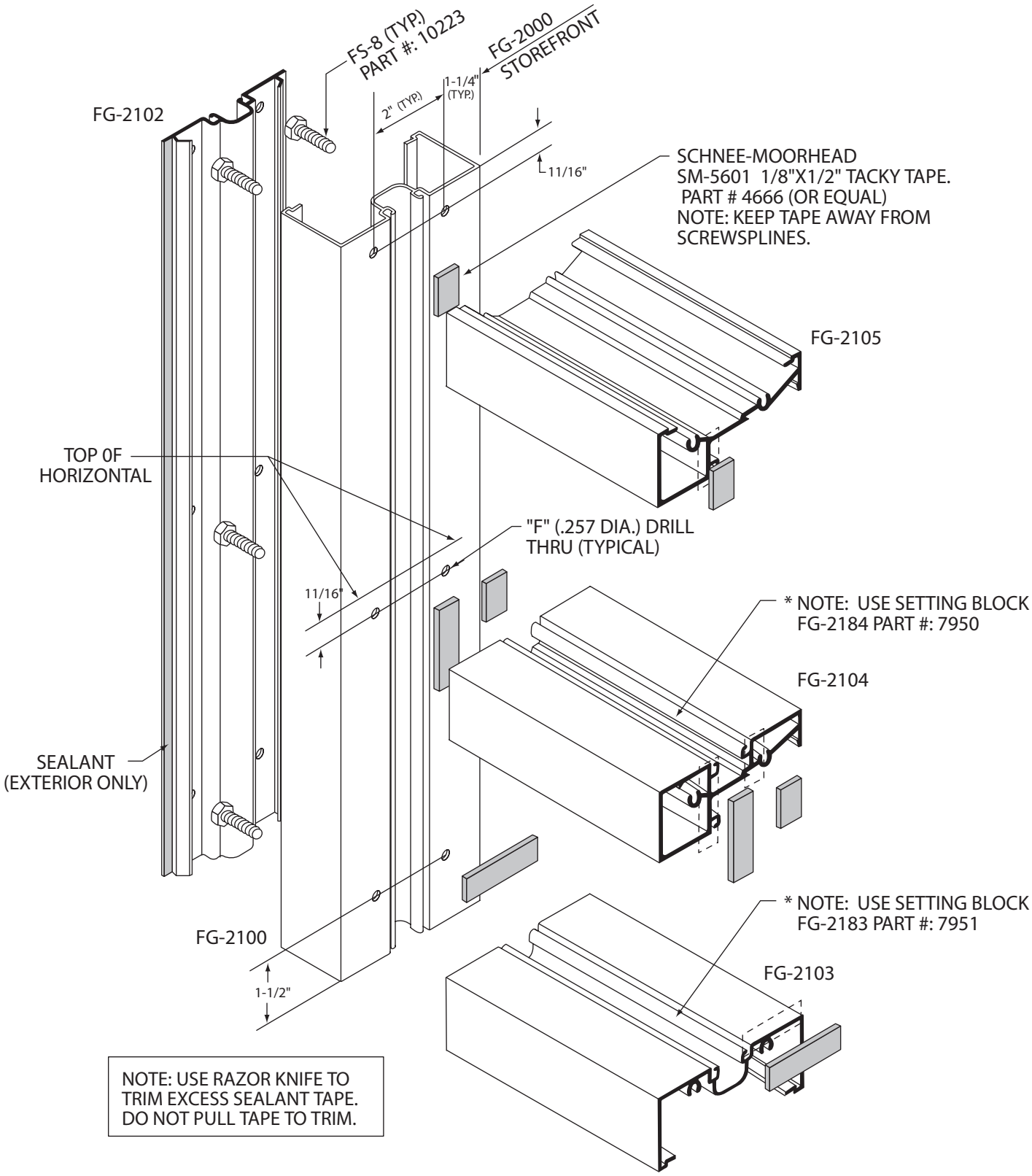
Most of the extrusions in this system are the same, only the sill and its anchors are different. Notice also, that the tapes used for sealing the horizontals to mullions are located in a different manner.

The sill is designed so that the sill anchors may be cap sealed before the frame is installed. The frame is installed over the sill twist-in anchors. This prevents any additional screws from penetrating the sill and causing leaks under the sill.

Multiple units require the use of split mullions. A minimum of 7/16" clearance between the jamb and sill end dam must be provided. This will provide a minimum of 3/8" clearance to move first unit sideways to the second unit with the same clearance will clear interlocking legs of the expansion mull. Adjust frame locations before running perimeter seals. Oldcastle BuildingEnvelope® recommends using FG-2188 vinyl filler to improve the perimeter seal.

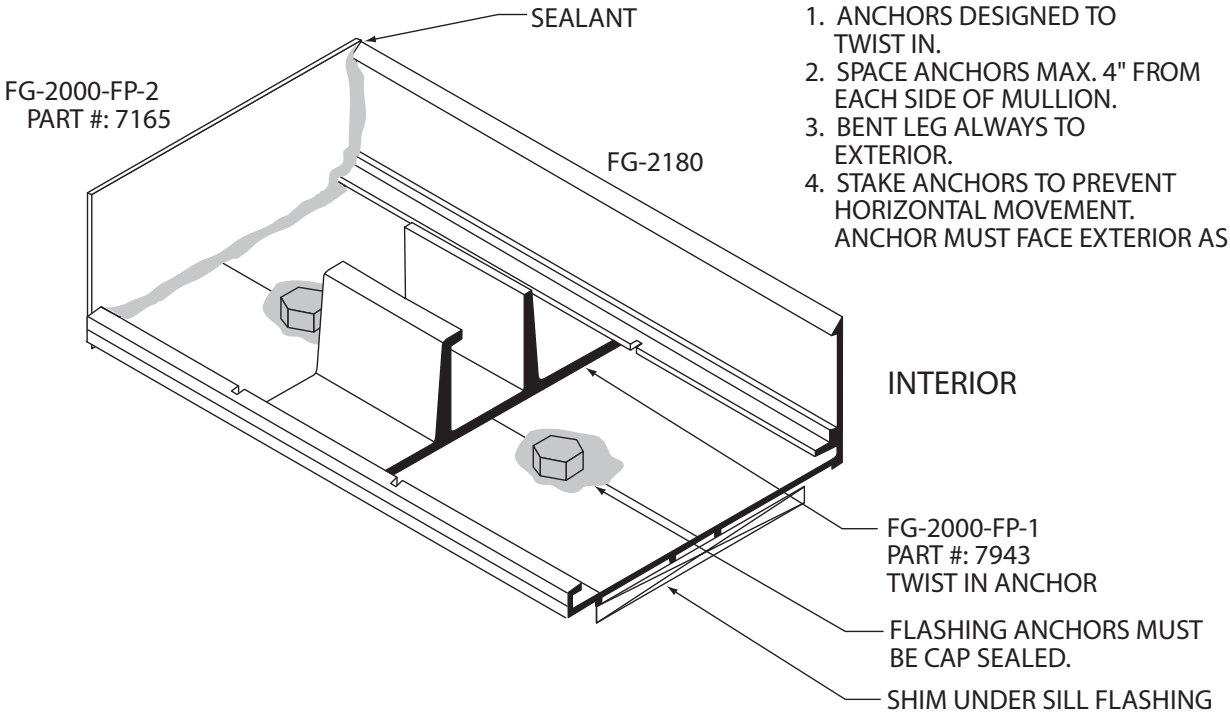


## FG-2000 INSIDE GLAZE SCREW SPLINE FRAME ASSEMBLY

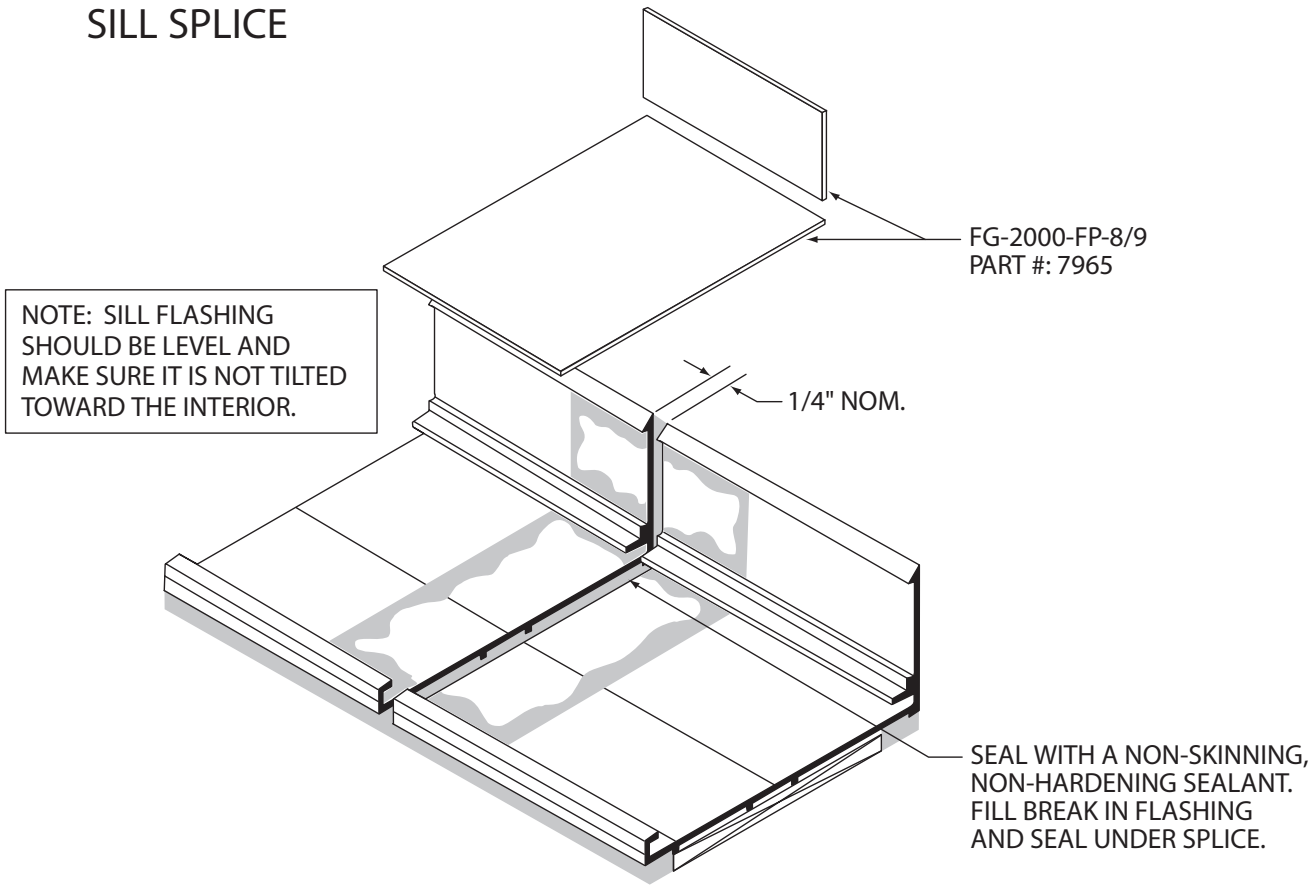



FOR FASTER, MORE ACCURATE HOLE FABRICATION, WE RECOMMEND THE OLDCASTLE BUILDING ENVELOPE® EZ PUNCH FABRICATION TOOL. DJ-5 DRILL FIXTURE PART # 4562 IS ALSO AVAILABLE TO AID FABRICATION FOR SCREW SPLINE FRAME ASSEMBLY.

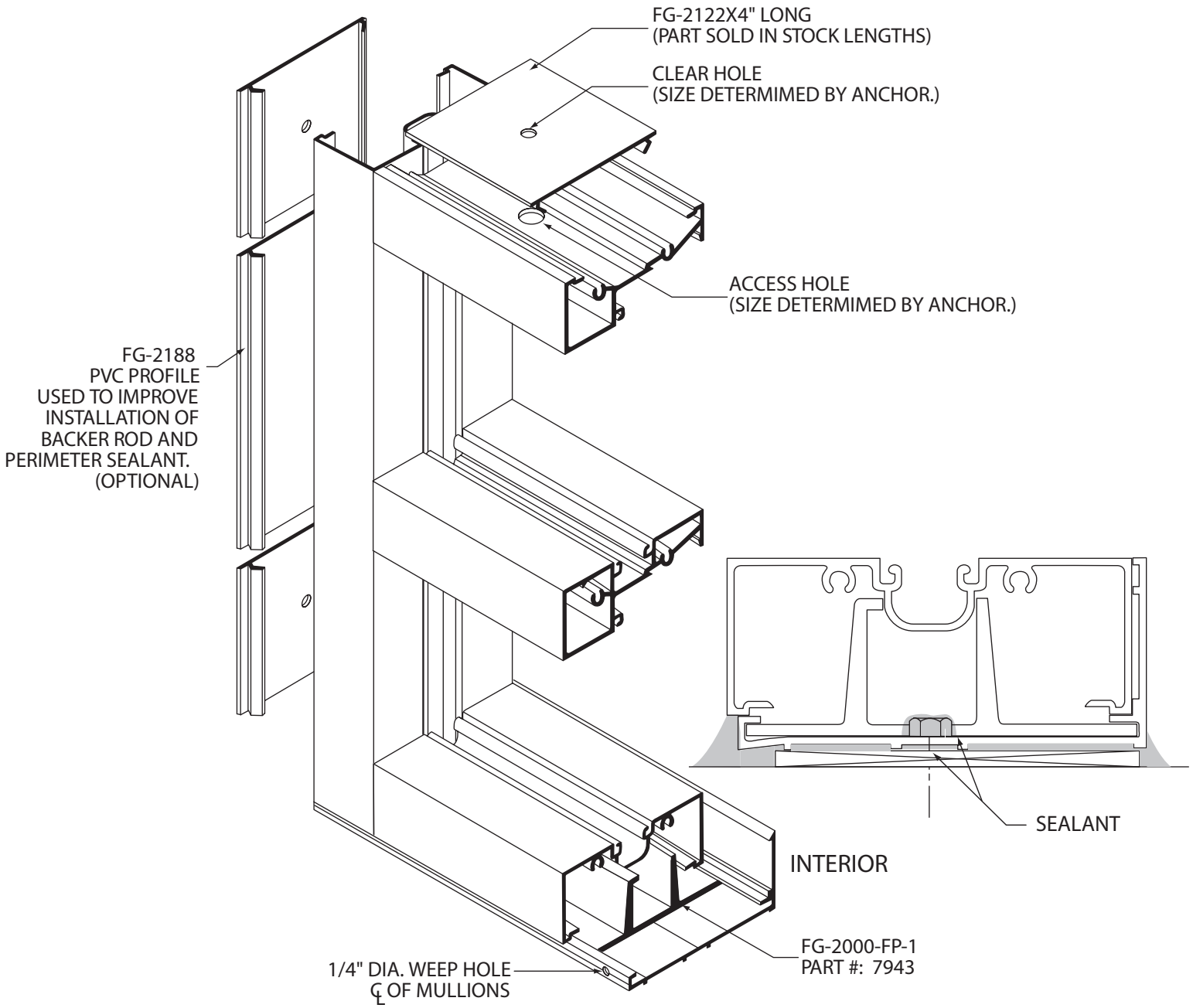
## INSIDE GLAZE SILL FLASHING INSTALLATION




SILL SPLICE

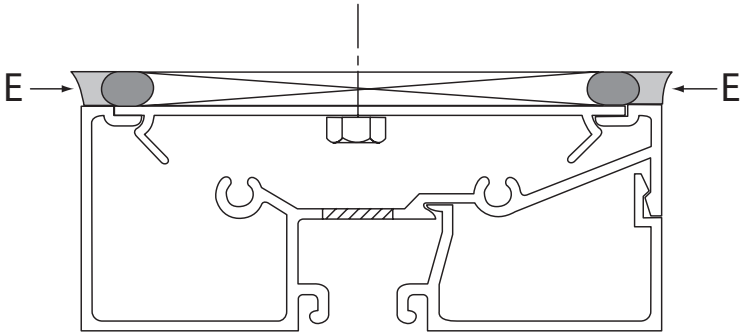


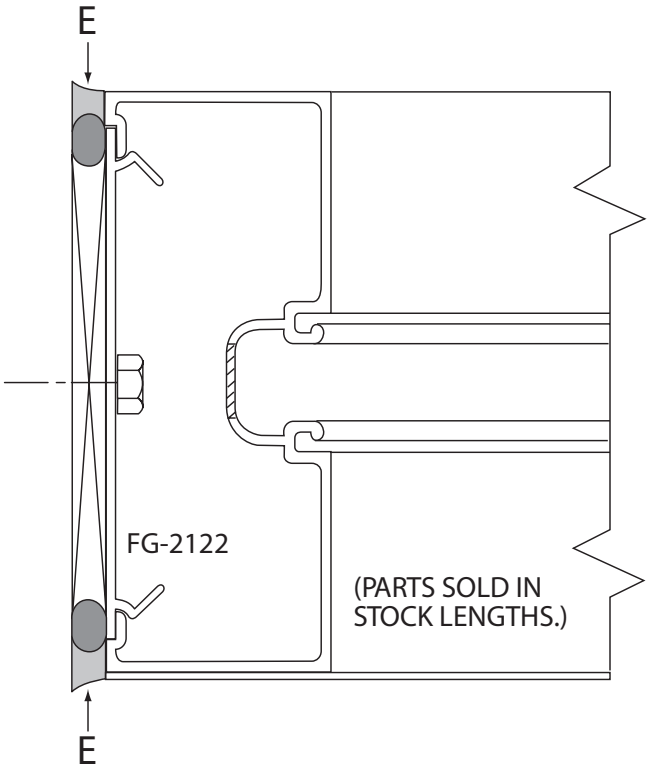
## INSIDE GLAZE FRAME INSTALLATION




ANCHOR SIZE AND FREQUENCY SHOULD BE DETERMINED BY STRUCTURAL REQUIREMENTS. SILL ANCHORS FG-2000-FP-1 AND HEAD ANCHORS FG-2122 SHOULD BELOCATED SO THAT THE ANCHOR IS NOT MORE THAN 4" FROM EACH SIDE OF THE MULLION.

## INSIDE GLAZE SILL INSTALLATION AND PERIMETER SEAL

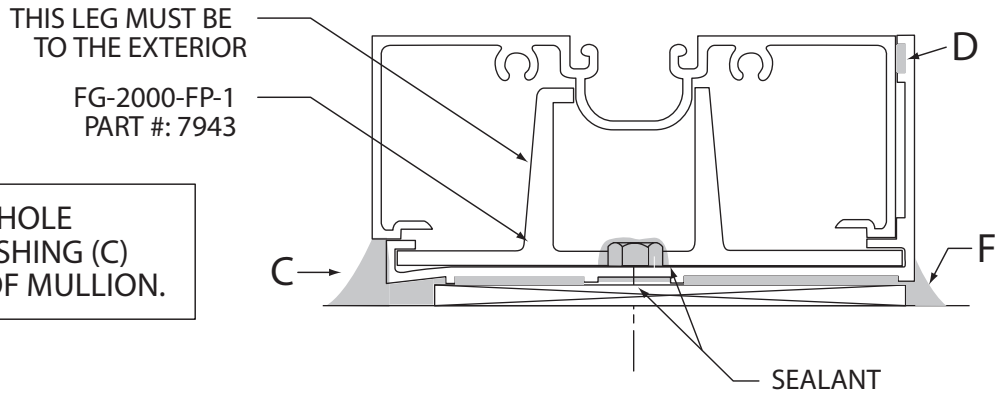



SHIM UNDER SILL FLASHING

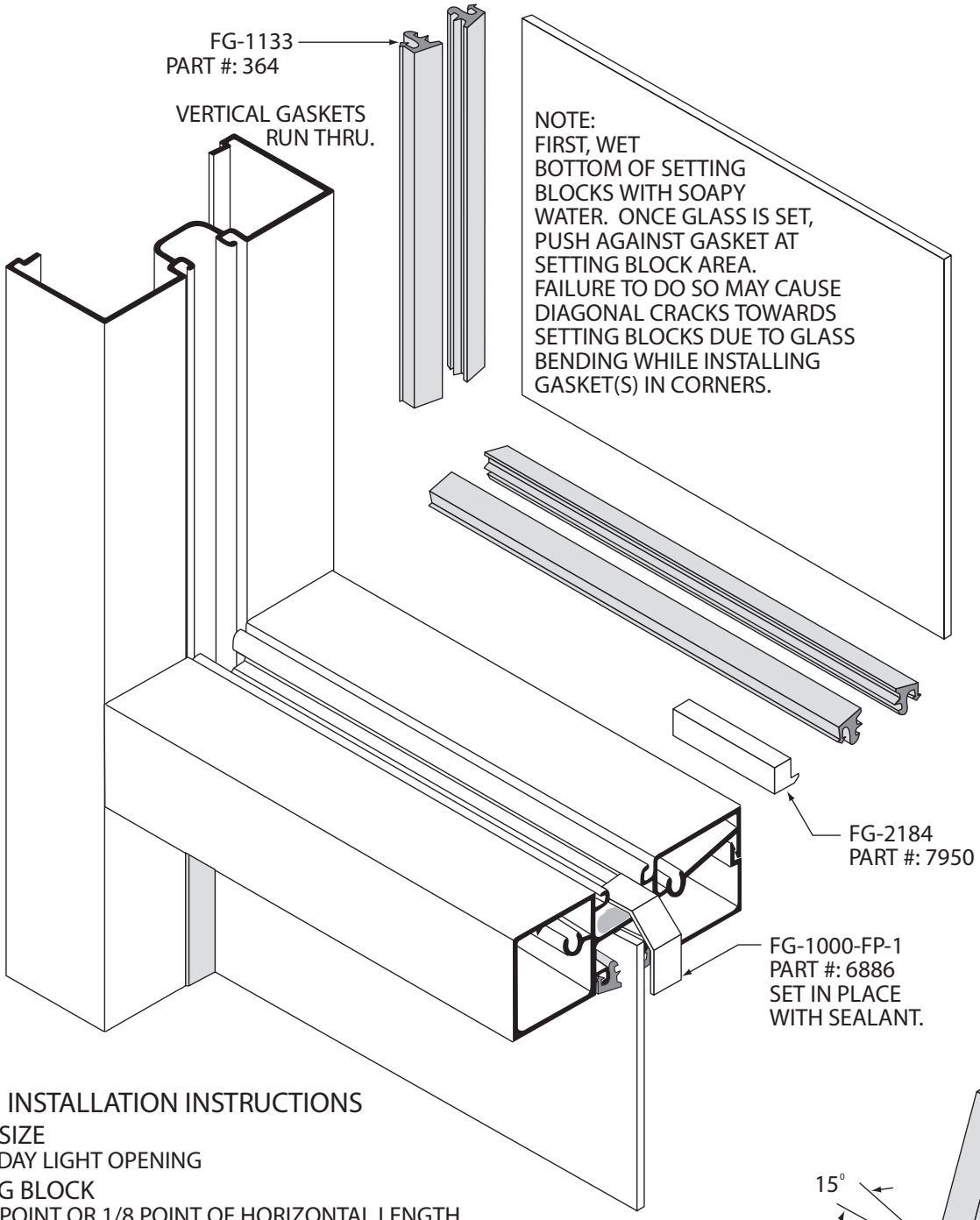
SPACE BETWEEN SILL AND FLASHING (C) TO BE CONTINUOUSLY SEALED EXCEPT FOR 1/4" DIA. WEEP HOLE UNDER VERTICAL MULLIONS FOR WEEPAGE. ONCE THE WALL IS SECURED, SEAL GROVE (D) BETWEEN SILL FLASHING AND BACK OF SILL FLASHING AND BACK OF SILLS.

THE QUALITY OF THE INSIDE AND OUTSIDE PERIMETER SEALS (C AND E) MAY BE IMPROVED BY USING FG-1192 RIGID PVC FILLER.
THE PART MAY BE USED IN FULL LENGTHS OR CUT INTO PIECES. ITS PURPOSE IS TO PROVIDE SUPPORT FOR THE BACKER ROD REGUARDLESS OF JOINT OR SIZE. PERIMETER SEAL (F) IS FOR COSMETIC PURPOSES AND IS OPTIONAL.




NOTE: 1/4" WEEP HOLE REQUIRED IN FLASHING (C) AT CENTER LINE OF MULLION.

## INSIDE GLAZE GLAZING PROCEDURE




### GLAZING INSTALLATION INSTRUCTIONS

GLASS SIZE

5/8" OVER DAY LIGHT OPENING

SETTING BLOCK

SET AT 1/4 POINT OR 1/8 POINT OF HORIZONTAL LENGTH DEPENDING ON LITE SIZE.

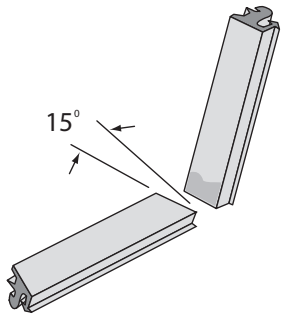
WATER DIVERTERS

GLAZE FROM BOTTOM TO TOP. INSTALL WATER DIVERTERS IN HORIZONTAL ABOVE, AFTER LITE BELOW IS IN POSITION.

GLAZING GASKET

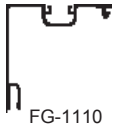
GASKET MAY BE INSTALLED ON ONE OR BOTH SIDES SIMULTANEOUSLY. PROVIDE 3/8" ADDITIONAL GASKET FOR EACH FOOT OF DAYLIGHT OPENING TO PROVIDE ADEQUATE COMPRESSION FOR THE GLAZING INFILL.

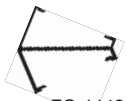
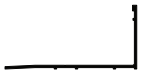
NOTE: CLEAN GASKET WITH ISOPROPYL ALCOHOL PRIOR TO SEALING CORNERS.




MITER HORIZONTAL GASKET TO FIT VERTICAL GASKET.

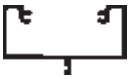
## FG-1000 PARTS LIST

| ITEM | DESCRIPTION |
|---|---|
|  FG-1100 | Open back mullion/jamb |
|  FG-1101 | Heavy open back mullion |
|  FG-1102 | Open back filler |
|  FG-1103 | Open back head/mullion |
|  FG-1104 | Intermediate horizontal |
|  FG-1105 | Open back sill/horizontal |
|  FG-1106 | Glass stop |
|  FG-1108 | Expansion mullion/jamb (requires FG-1109) |
|  FG-1109 | Expansion mullion (requires FG-1108) |
|  FG-1176 | Adjustable mullion 2˚to 10˚ mates with FG-1177 |
|  FG-1177 | Adjustable mullion 2˚to 10˚ mates with FG-1176 |
|  FG-1122 | Open back flat filler |
|  FG-1110 | Self mating 180˚ post |

| ITEM | DESCRIPTION |
|---|---|
|  FG-1111 | 90˚ Corner mates with FG-1112 |
|  FG-1112 | Self mating flat corner post |
|  FG-1142 | 135˚ / 45˚ Corner use FG-1102 filler |
|  MO-242 | 4” Head receptor V-11 weathering not included |
|  MO-244 | Head receptor face V-11 weathering not included |
|  FG-1143 | Head receptor V-11 weathering not included |
|  FG-2169 | Sub-sill (high back) |
|  FG-1190 | Snap-in pocket filler |
|  RS-3 | Steel reinforcement painted finish |

| ITEM | DESCRIPTION |
|---|---|
|  FG-1185 | Head receptor |
|  FG-1186 | Head insert |
|  FG-1115 | Sill insert |
|  FG-1187 | Sill receptor |
|  FG-1181 | Open back horizontal (use AC-120-1 clip) |
|  FG-1107 | Mullion |

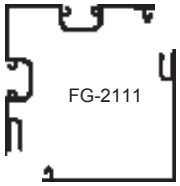
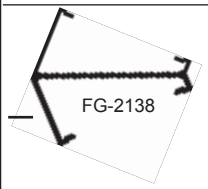
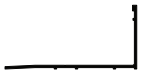
FG-1000 PARTS LIST

| ITEM | DESCRIPTION |
|---|---|
|  FG-1118 | Open back door jamb weathering not included |
|  FG-1119 | Open back tube |
|  FG-1124 | Door header |
|  FG-1060 | Screw spline door header for FG-1118 weathering not included |
|  F-1 | 1-3/4” X 4” Tube |
|  FG-1156 | Standard door stop nominal 1/2” X 1/2” with weathering |
|  FG-1120 | 1/2” X 1-3/8” Snap-in door stop with weathering |
|  DS-1 | 1/2” X 1-5/8” Door stop with weathering (use SC-1 clip) |
|  DS-108 | 3/4” X 1-5/8” Door stop with weathering (use SC-1 clip) |
|  DS-104 | 1-3/16” X 1-5/8” Door stop with weathering. Uses SC-1 Clip (plus FS-201 @ pairs) |

| ITEM | DESCRIPTION |
|---|---|
|  FG-1123 | Slide in pocket filler (required for lock cutouts) |
|  S-52 | Glass stop for S-53 sash |
|  S-53 | 1-3/4” X 1-1/8” Sash |

## FG-2000 PARTS LIST

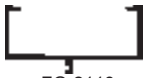
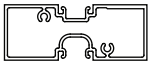
| ITEM | DESCRIPTION |
|---|---|
|  FG-2100 | Open back mullion/jamb |
|  FG-2101 | Heavy open back mullion |
|  FG-2102 | Open back filler |
|  FG-2103 | Open back head/mullion |
|  FG-2104 | Intermediate horizontal |
|  FG-2105 | Open back sill/horizontal |
|  FG-2106 | Glass stop |
|  FG-2108 | Expansion mullion/jamb (requires FG-2109) |
|  FG-2109 | Expansion mullion (requires FG-2108) |
|  FG-2154 | Adjustable mullion 2°to 10° mates with FG-1177 |
|  FG-2155 | Adjustable mullion 2°to 10° mates with FG-1176 |
|  FG-2122 | Open back flat filler |
|  FG-2110 | Self mating 180° post |

| ITEM | DESCRIPTION |
|---|---|
|  FG-2111 FG-2112 | 90° Corner mates with FG-2112<br>Self mating flat corner post |
|  FG-2138 | 135° / 45° Corner use FG-2140 or 2102 filler |
|  FG-2140 | Deep pocket filler for FG-2138 |
|  MO-243 | 4” Head receptor V-11 weathering not included |
|  MO-244 | Head receptor face V-11 weathering not included |
|  FG-2169 | Sub-sill (high back) |
|  FG-2180 | Sub-sill (inside glaze) |
|  FG-1190 | Snap-in pocket filler |
|  RS-1 | Steel reinforcement painted finish |

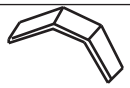
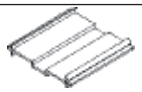
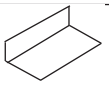
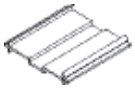
| ITEM | DESCRIPTION |
|---|---|
|  FG-2158 | Head receptor |
|  FG-2159 | Head insert |
|  FG-2115 | Sill insert |
|  FG-2160 | Sill receptor |
|  FG-2152 | Open back horizontal (use AC-120-1 clip) |
|  FG-2107 | Mullion |

# FG-1000 / FG-2000 STOREFRONT INSTALLATION MANUAL

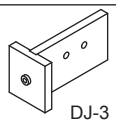
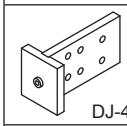
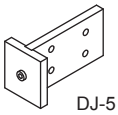
## FG-2000 PARTS LIST

| ITEM | DESCRIPTION |
|---|---|
|  FG-2118 | Open back door jamb weathering not included |
|  FG-2119 | Open back tube |
|  FG-2124 | Door header |
|  FG-2021 | Screw spline door header with fin for FG-2118 weathering not included |
|  F-16 | 1-3/4” X 4-1/2” Tube |
|  FG-2128 | Open back header for OHCC |
|  FG-1129 | Snap-in filler for FG-2128 |
|  FG-1184 | Snap-in filler for FG-2128 with weathering |
|  FG-2145 | Standard door stop nominal 1/2” X 7/8” with weathering |
|  FG-2120 | 1/2” X 1-5/8” Snap-in door stop with weathering |
|  DS-1 | 1/2” X 1-5/8” Door stop with weathering (use SC-1 clip) |
|  DS-108 | 3/4” X 1-5/8” Door stop with weathering (use SC-1 clip) |
|  DS-104 | 1-3/16” X 1-5/8” Door Stop with weathering. Uses SC-1 Clip (plus FS-201 @ pairs) |
|  FG-1123 | Slide in pocket filler (required for lock cutouts) |
|  S-52 | Glass stop for S-53 sash |
|  S-53 | 1-3/4” X 1-1/8” Sash |

## FG-1000 & 2000 ACCESSORIES

| | | | |
|---|---|---|---|
|  FG-1133 | 1/4” Glazing gasket (Black) |  SM5601 | Joint sealant tape 1/8” X 1/2” |
|  FG-1134 | 3/8” Glazing gasket (Black) |  FG-1192 | FG-1000 Vinyl filler for caulk stop 12’1” |
|  FL-66 | Heavy Gasket |  FG-2188 | FG-2000 Vinyl filler for caulk stop 12’1” |
|  V-11 | Spacer gasket for expansion mullion & head receptors |  AC-100-1 | Shear block for FG-1104 horizontal (Screws included) |
|  D-125 | Weathering gasket for Air Tight applications |  AC-101-1 | Shear block for FG-2104 horizontal (Screws included) |
|  WP-084 | Weathering for door stops |  AC-103-1 | Shear block for head member (Screws included) |
|  WP-083 | Weathering for double acting headers |  AC-104-1 | Shear block for FG-1105/2105 sill (Screws included) |
|  FG-1136 | Standard 1000 & 2000 setting blocks |  AC-106-1 | Shear block for FG-1124/2124 header (Screws included) |
|  FG-2184 | Inside glaze setting block for FG-2104 |  AC-120-1 | Shear block for FG-1181/2152 horizontal (Screws included) |
|  FG-2183 | Inside glaze setting block for FG-2103 |  AC-109-1 | Mullion anchor at head for FG-1185/2158 |
|  FG-1000-FP-1 | Water diverter for flush glaze horizontals |  FG-1000-FP-3 | Sill anchor For FG-1000 |
|  FG-2000-FP-7 | Splice for FG-2169 |  FG-2000-FP-3 | Sill anchor For FG-2000 |
|  FG-2000-FP-8/9 | Splices for FG-2180 |  FG-2000-FP-1 | Sill anchor for inside glazed with FG-2180 |
|  FG-2000-FP-4 | End dam for FG-2169 | | |
|  FG-2000-FP-2 | End dam for FG-2180 | | |

FG-1000 & 2000 ACCESSORIES

| ITEM | DESCRIPTION |
|---|---|
|  SC-1 | Spring clip for DS-1 and DS-108 |
|  FS-2 | #8 X 1/2" P.F.H.S.M.S. anchors S-53 |
|  FS-8 | #14 X 1" H.H.S.T.S. FG assembly screw |
|  FS-10 | #14 X 1-3/4" P.F.H.W.S. anchors FG thru pocket |
|  FS-11 | #14 X 3" FS-11 P.F.H.W.S. CLR. anchors FS-11 tubes BRZ. |
|  FS-12 | #14 X 1" plastic plug |
|  FS-15 | 3/16" dia. X 7/16" Drive rivet anchors SC-1 clip |
|  FS-201 | #10 X 2" FS-201 PFH CLR. attaches FS-201 DS-104 BRZ. |
|  DJ-3 | Drill fixture for AC-100-1 & AC-101 horizontal shear blocks |
|  DJ-4 | Drill fixture for AC-103-1 & AC-104-1 head & sill shear blocks |
|  DJ-5 | Drill fixture for screw spline assembly |