

## GENERAL NOTES

THESE INSTALLATION INSTRUCTIONS ARE A SUPPLEMENT TO THE APPROVED SHOP DRAWINGS. USE IN CONJUNCTION WITH THOSE DRAWINGS.

### 1 - HANDLING, STORING AND PROTECTING ALUMINUM MATERIAL.

THE FOLLOWING PRECAUTIONS ARE RECOMMENDED TO ASSURE EARLY ACCEPTANCE OF YOUR PRODUCTS AND WORKMANSHIP.

**A - HANDLE CAREFULLY** - DO NOT DROP FROM THE TRUCK. STACK WITH ADEQUATE SEPARATION SO MATERIAL WILL NOT RUB TOGETHER. STORE OFF THE GROUND. PROTECT AGAINST ELEMENTS AND OTHER CONSTRUCTION TRADES.

**B - KEEP MATERIAL AWAY FROM WATER, MUD AND SPRAY** - PREVENT CEMENT, PLASTER AND OTHER MATERIALS FROM DAMAGING THE FINISH.

**C - PROTECT THE MATERIALS AFTER ERECTION**, BY WRAPPING WITH KRAFT PAPER - OR BY ERECTING VISQUEEN/CANVAS SPLATTER SCREENS. CEMENT, PLASTER, TERRAZZO AND OTHER ALKALINE MATERIALS ARE VERY HARMFUL TO THE FINISH AND SHOULD BE REMOVED WITH WATER AND MILD SOAP BEFORE SETTING OCCURS. UNDER NO CIRCUMSTANCES ALLOW THESE MATERIALS TO DRY OR PERMANENT STAINING WILL OCCUR.

### 2 - GENERAL RULES

THE FOLLOWING PRACTICES ARE RECOMMENDED FOR ALL INSTALLATIONS:

**A. CHECK SHOP DRAWINGS, INSTALLATION INSTRUCTIONS AND GLAZING INSTRUCTIONS** TO BECOME THOROUGHLY 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 MOST COMMON CONDITIONS.

**B. ALL MATERIALS ARE TO BE INSTALLED PLUMB, LEVEL, AND TRUE.**

**C. ALL WORK SHOULD START FROM BENCH MARKS AND/OR COLUMN LINES AS ESTABLISHED BY THE ARCHITECTURAL DRAWINGS AND THE GENERAL CONTRACTOR.** CHECK MULLION SPACING FROM BOTH ENDS OF THE MASONRY OPENING TO PREVENT DIMENSIONAL BUILDUP OF DAY LIGHT OPENING.

**D. MAKE CERTAIN THAT CONSTRUCTION WHICH WILL RECEIVE YOUR MATERIALS IS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.** IF NOT, NOTIFY THE GENERAL CONTRACTOR IN WRITING AND RESOLVE DIFFERENCES BEFORE PROCEEDING WITH YOUR WORK.

**E. ISOLATE ALL ALUMINUM TO BE PLACED DIRECTLY IN CONTACT WITH UNCURED MASONRY OR INCOMPATIBLE MATERIALS WITH A HEAVY COAT OF ZINC CHROMATE OR BITUMINOUS PAINT.**

**F. CHECK ALL MATERIALS ON ARRIVAL FOR QUANTITY AND BE SURE YOU HAVE EVERYTHING REQUIRED TO BEGIN INSTALLATION.**

**G. SEALANTS MUST BE COMPATIBLE WITH ALL MATERIALS WITH WHICH THEY HAVE CONTACT, INCLUDING OTHER SEALANT SURFACES.** CONSULT WITH SEALANT MANUFACTURER FOR RECOMMENDATIONS RELATIVE TO JOINT SIZE, SHELF LIFE, COMPATIBILITY, PRIMING, TOOLING, ADHESION, ETC.

**H. FASTENING - "FASTENING" MEANS ANY METHOD OF SECURING ONE PART TO ANOTHER OR TO ADJACENT MATERIALS.** THESE INSTRUCTIONS SPECIFY ONLY THOSE FASTENERS USED WITHIN THE SYSTEM. DUE TO VARYING PERIMETER CONDITIONS AND JOB PERFORMANCE REQUIREMENTS, ANCHOR FASTENERS ARE NOT SPECIFIED IN THESE INSTRUCTIONS. FOR ANCHOR FASTENING, REFER TO THE SHOP DRAWINGS OR CONSULT THE FASTENER SUPPLIER.

**I. CHECK OPENINGS** - MAKE CERTAIN THAT THE OPENING WHICH WILL RECEIVE YOUR MATERIALS IS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IF NOT, NOTIFY THE GENERAL CONTRACTOR IN WRITING AND RESOLVE DIFFERENCES BEFORE PROCEEDING WITH YOUR WORK.

**J. BUILDING CODES** - GLASS AND GLAZING CODES GOVERNING THE DESIGN AND USE OF PRODUCTS VARY WIDELY. KAWNEER DOES NOT CONTROL THE SELECTION OF PRODUCT CONFIGURATIONS, OPERATING HARDWARE, OR GLAZING MATERIALS, AND ASSUMES NO RESPONSIBILITY FOR THESE DESIGN CONSIDERATIONS. IT IS THE RESPONSIBILITY OF THE OWNER, SPECIFIER, ARCHITECT, GENERAL CONTRACTOR AND THE INSTALLER TO MAKE THESE SELECTIONS IN STRICT CONFORMANCE WITH ALL APPLICABLE CODES.

**K. EXPANSION JOINTS** - EXPANSION JOINTS AND PERIMETER SEALS SHOWN IN THESE INSTRUCTIONS AND IN THE SHOP DRAWINGS ARE SHOWN AT NORMAL SIZE. ACTUAL DIMENSIONS MAY VARY DUE TO PERIMETER CONDITIONS AND/OR DIFFERENCE IN METAL TEMPERATURE BETWEEN THE TIME OF FABRICATION AND TIME OF INSTALLATION. FOR EXAMPLE, A 12 FOOT UNRESTRAINED LENGTH OF ALUMINUM EXTRUSION CAN EXPAND OR CONTRACT 3/32" OVER A 50° F TEMPERATURE CHANGE. ANY MOVEMENT POTENTIAL SHOULD BE ACCOUNTED FOR AT THE TIME OF INSTALLATION.

**L. FIELD TESTING** - IT IS RECOMMENDED THAT A WATER HOSE TEST BE CONDUCTED ONCE A SUFFICIENT PORTION OF THE FRAMING IS INSTALLED, GLAZED AND CAULKED TO ENSURE PROPER INSTALLATION. THE WATER HOSE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH AAMA 501.2. IN ADDITION, LARGER PROJECTS SHOULD HAVE PERIODIC WATER HOSE TESTS AS ADDITIONAL PRECAUTIONARY MEASURES.

## FG 501T SYSTEM NOTES

FG 501T SYSTEM IS A 2-1/4" WIDE X 5" DEEP FRAMING AVAILABLE WITH 1" INFILL.

THE SYSTEM IS DESIGNED AS BOTH INTERIOR AND EXTERIOR GLAZED SYSTEMS.

GLASS BITE IS 7/16" AT VERTICALS AND HORIZONTALS. GLASS SIZES MUST BE CALCULATED FROM APPROVED SHOP DRAWINGS.

UNLESS OTHERWISE SPECIFIED, IT IS RECOMMENDED THAT SILICONE SEALANT BE USED FOR ALL INTERNAL SEALS.

SEALANT MUST BE APPLIED PER THE SEALANT MANUFACTURER'S RECOMMENDATIONS AND PASS ALL ADHESION AND COMPATIBILITY TESTING. AT ALL JOINT SEALS, SEALANT MUST ADHERE TO METAL, GASKETS MATERIALS.

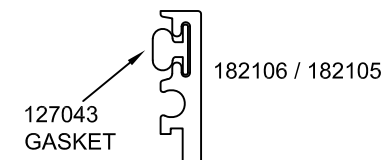
CLEAN ALL SURFACES PRIOR TO APPLICATION OF SEALANT AND PRIME WHERE NECESSARY TO ACHIEVE PROPER ADHESION.

STRAP ANCHORS ARE ONLY USED AT PUNCHED OPENINGS

### STEP - 1 SILL RECEPTOR GASKET

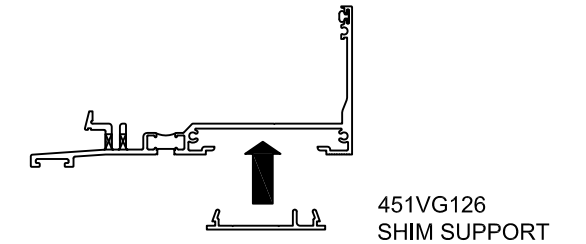
SLIDE GASKET INTO POCKET AT SILL RECEPTOR BACK LEG. THE GASKET TO RUN FULL LENGTH OF SILL RECEPTOR .

IN TEMPERATURES COLDER THAN 50°F, ARRANGEMENTS SHOULD BE MADE TO WARM GASKETS BEFORE INSTALLATION.



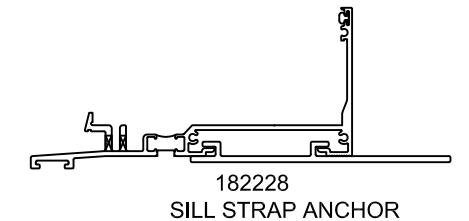
### STEP - 2 INSTALL FILLER (OPTIONAL STRAP ANCHOR)

SNAP/SLIDE THE SHIM SUPPORT INTO SILL RECEPTOR AT EACH ANCHOR FASTENER LOCATION.

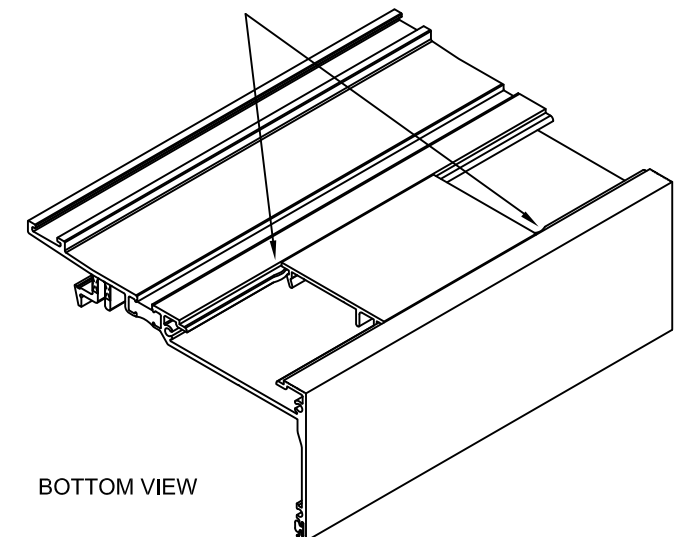


OPTIONAL STRAP ANCHOR ONLY AT PUNCHED OPENING

SLIDE THE STRAP ANCHOR INTO END OF SILL RECEPTOR AT EACH ANCHOR FASTENER LOCATION.



CRIMP SILL RECEPTOR LEGS AT EACH END OF FILLER OR STRAP ANCHOR TO PREVENT THE FILLER OR STRAP ANCHOR FROM SLIDING



BOTTOM VIEW



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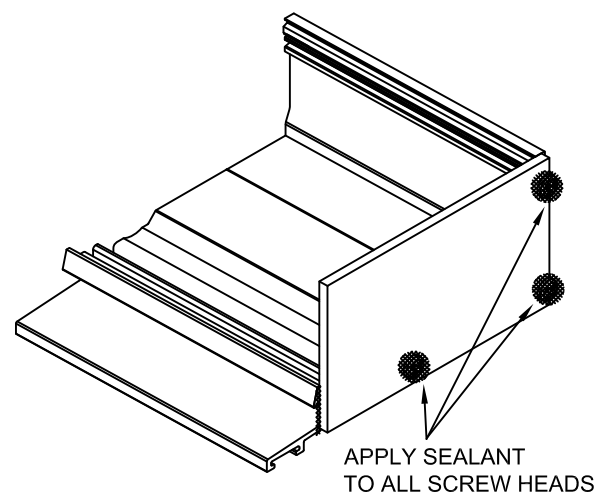
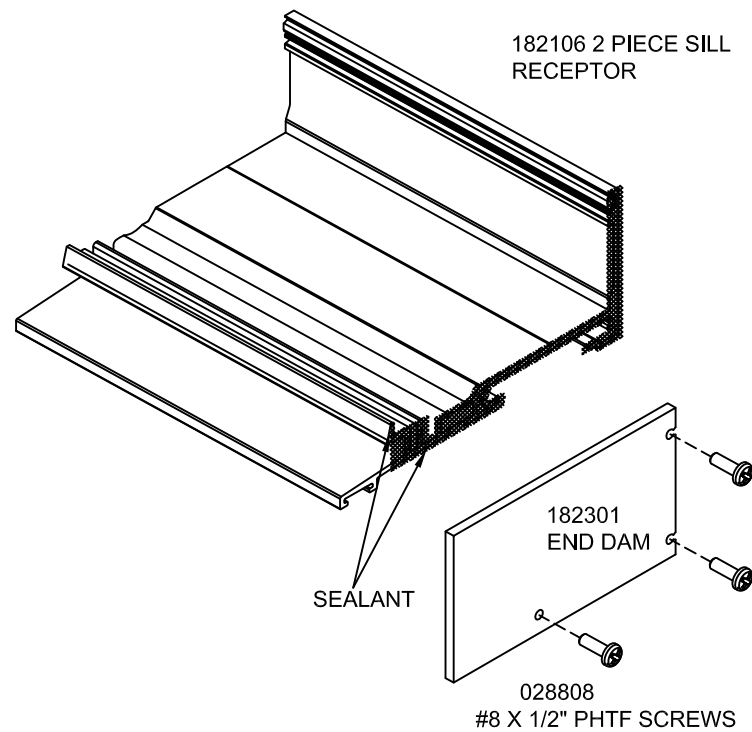
### STEP - 3 INSTALL SILL RECEPTOR END DAMS

CLEAN SURFACE AREA AT ENDS OF SILL RECEPTORS ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS PRIOR TO APPLYING SEALANT.

APPLY SEALANT AT ENDS OF SILL RECEPTORS FILLING ALL GROOVES.

ATTACH END DAMS TO ENDS OF SILL RECEPTORS WITH (3) 028808 (#8 X 1/2" PHTF) SCREWS.

APPLY AND TOOL SEALANT AT FASTENER HEADS.

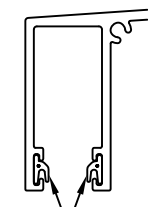


### STEP - 3 INSTALL SILL RECEPTOR END DAMS

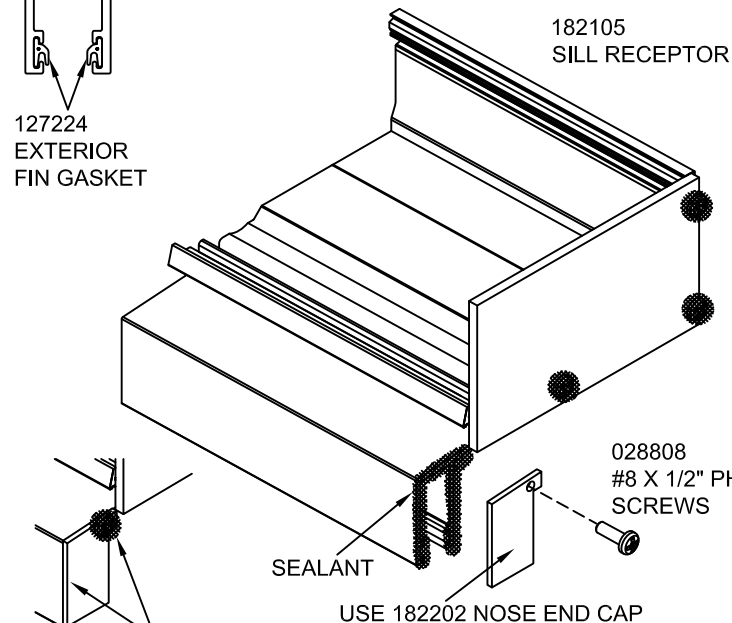
APPLY AND TOOL SEALANT AT INSIDE CORNER BETWEEN END DAM AND SILL RECEPTOR TO ENSURE SEAM IS WATER PROOF

WHERE SLAB RECEPTOR IS REQUIRED:

SLIDE EXTERIOR FIN GASKET INTO SILL RECEPTOR AS SHOWN PRIOR TO INSTALLATION OF END DAMS. THE FIN GASKETS RUN FULL LENGTH OF RECEPTOR.



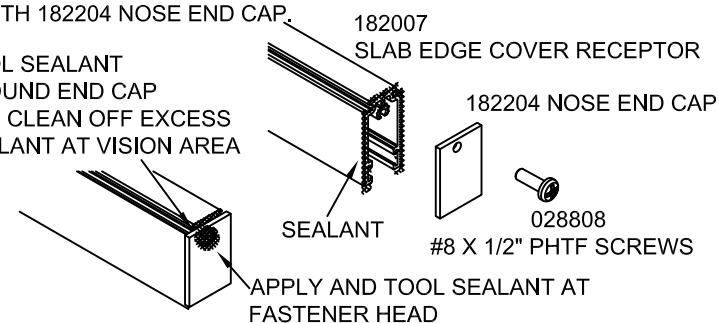
127224 EXTERIOR FIN GASKET



INSTALL NOSE END CAP TO SILL RECEPTOR AND ENSURE THAT FRONT OF END CAP FLUSH WITH THE SILL RECEPTOR. APPLY SEALANT AT SCREW HEAD. TOOL AND REMOVE EXCESS SEALANT AROUND END CAP.

AT BALCONY:  
USE 2 PIECE RECEPTOR AND SLAB EDGE COVER RECEPTOR WITH 182204 NOSE END CAP.

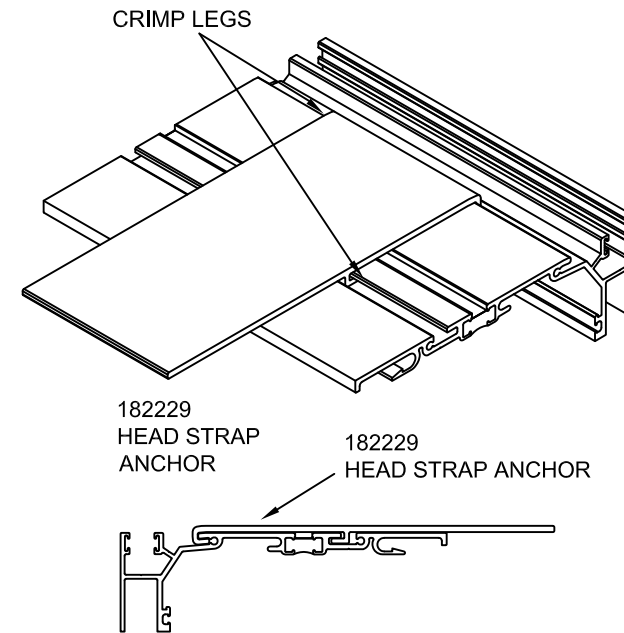
TOOL SEALANT AROUND END CAP AND CLEAN OFF EXCESS SEALANT AT VISION AREA



### STEP - 4 OPTIONAL STRAP ANCHOR AT HEAD RECEPTOR (PUNCH OPENING ONLY)

SLIDE STRAP ANCHOR INTO END OF HEAD RECEPTOR AT FASTENER LOCATIONS.

CRIMP HEAD RECEPTOR LEGS AT EACH END OF STRAP ANCHOR TO PREVENT FROM SLIDING.

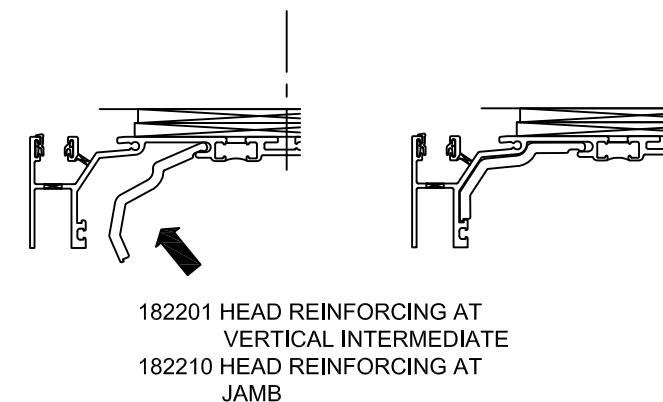


### STEP - 5 OPTIONAL REINFORCEMENT AT HEAD RECEPTOR

INSERT ALUMINUM REINFORCING CLIP AT MIDDLE OF HEAD RECEPTOR AS SHOWN AND ROTATE INTO PLACE.

CRIMP HEAD RECEPTOR LEGS AT ENDS OF REINFORCING CLIP TO PREVENT FROM SLIDING.

REINFORCING CLIP LOCATIONS ARE PER APPROVED SHOP DRAWING



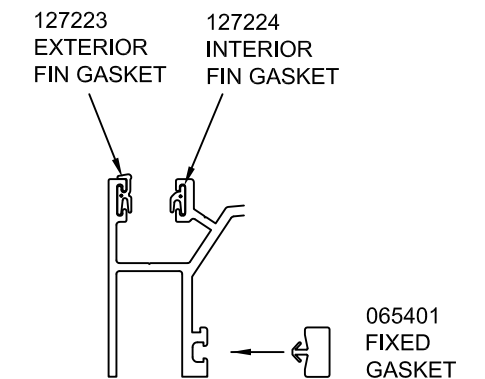
### STEP - 6 INSTALL HEAD RECEPTOR END DAM

DO NOT STRETCH FIXED GASKET WHEN REMOVING FROM COIL OR DURING INSTALLATION.

PUSH-IN FIXED GASKET CONTINUOUS.

SLIDE IN INTERIOR FIN GASKET AND EXTERIOR FIN GASKET TO HEAD RECEPTOR PRIOR TO INSTALLATION OF END CAPS. WATER CAN BE USED TO LUBRICATE THE FIN GASKET.

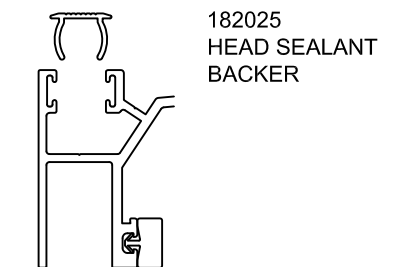
THE GASKETS RUN FULL LENGTH OF HEAD RECEPTOR.



WHERE SLAB EDGE EXTENDS OVER HEAD RECEPTOR:

WHERE THE SLAB EXTENDS ABOVE THE HEAD RECEPTOR AND SLAB COVERS ARE NOT REQUIRED, HEAD SEALANT BACKER IS TO BE INSTALLED PRIOR TO INSTALLATION OF THE HEAD RECEPTOR INTO WALL OPENING.

THE SEALANT BACKER IS TO RUN FULL LENGTH OF HEAD RECEPTOR.



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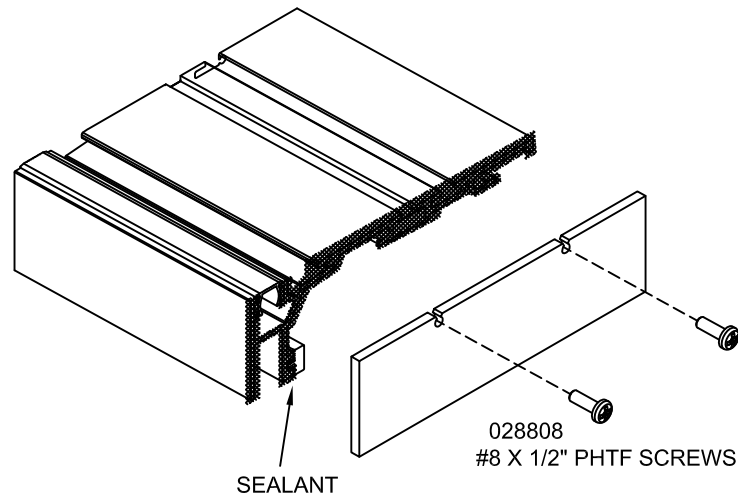
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### STEP - 6 INSTALL HEAD RECEPTOR END DAM

CLEAN SURFACE AREA AT ENDS OF HEAD RECEPTORS ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS PRIOR TO APPLYING SEALANT.

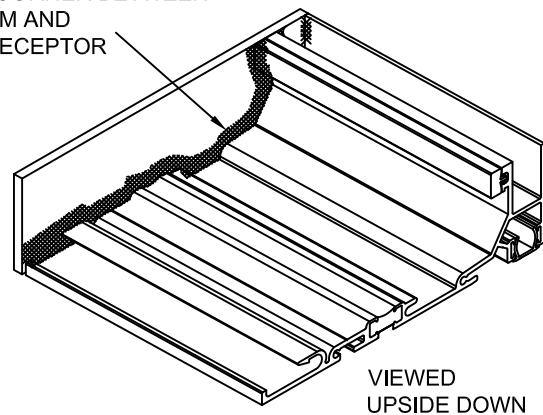
APPLY GENEROUS AMOUNT OF SEALANT AT ENDS OF HEAD RECEPTORS FILLING ALL GROOVES.

ATTACH 182302 END CAP TO EACH END OF HEAD RECEPTOR WITH (2) 028808 (#8 X 1/2" PHTF) SCREWS.



APPLY AND TOOL SEALANT AT SCREW HEADS

APPLY AND TOOL SEALANT AT INSIDE CORNER BETWEEN END DAM AND HEAD RECEPTOR



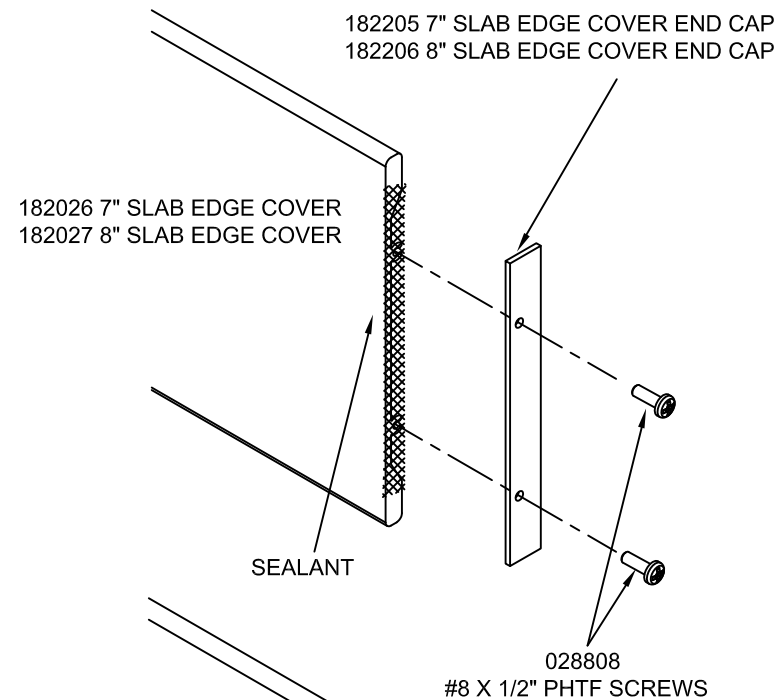
### STEP - 7 INSTALL SLAB EDGE COVER END DAMS

CLEAN SURFACE AREA AT ENDS OF SLAB EDGE COVERS ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS PRIOR TO APPLYING SEALANT.

APPLY SEALANT AT EACH END OF SLAB COVER, AS SHOWN.

ATTACH SLAB EDGE COVER END CAP TO EACH END OF SLAB COVER WITH (2) #8 X 1/2" PHTF SCREWS AT JAMB AND SPLICE JOINTS. ENSURE THAT FRONT EDGE OF THE SLAB EDGE COVER END CAP FLUSH WITH SLAB EDGE COVER.

TOOL AND CLEAN UP EXCESS SEALANT.



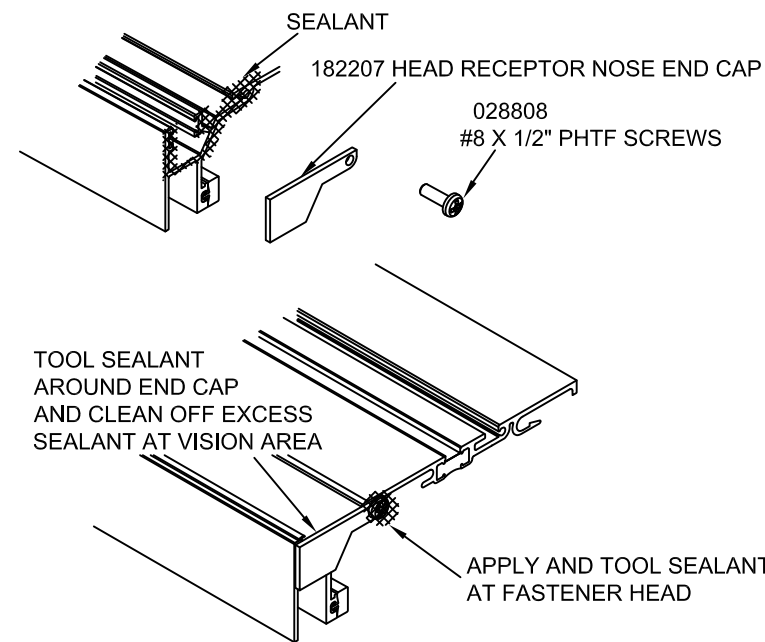
APPLY AND TOOL EXCESS SEALANT AT SCREW HEADS

TOOL SEALANT AND REMOVE EXCESS

### STEP - 8 INSTALL SPLICE END DAMS AT HEAD RECEPTOR

CLEAN SURFACE AREA AT ENDS HEAD RECEPTORS ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

APPLY SEALANT AT ENDS OF HEAD RECEPTOR PRIOR TO ATTACHING END CAP. ENSURE THAT THE FRONT OF END CAP FLUSH WITH THE HEAD RECEPTOR. TOOL SEALANT AROUND END CAP AND CLEAN OFF EXCESS SEALANT AT VISION AREA.



TOOL SEALANT AROUND END CAP AND CLEAN OFF EXCESS SEALANT AT VISION AREA

APPLY AND TOOL SEALANT AT FASTENER HEAD

### STEP - 9 CHECK OPENINGS

ELEVATIONS AND SLABS MUST BE WITHIN ADJUSTMENT OF ANCHORING SYSTEM. SEE APPROVED SHOP DRAWINGS FOR ALLOWABLE ADJUSTMENT.

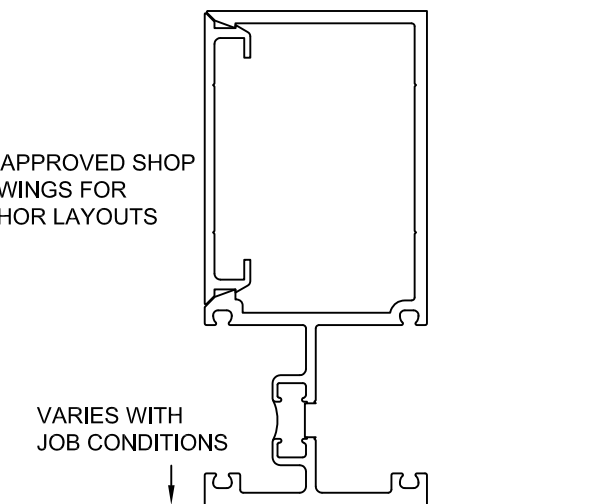
ANCHORING SURFACES OF PERIMETER CONSTRUCTION MUST BE LEVEL AND PLUMB WITHIN THE ADJUSTMENT LIMITS OF THE HEAD, SILL AND JAMB. SEE APPROVED SHOP DRAWINGS FOR ALLOWABLE ADJUSTMENT.

### STEP - 10 LAY OUT ANCHOR AND MULLION CENTERLINES

USE WALL LINES ESTABLISHED BY THE GENERAL CONTRACTOR. AT EACH FLOOR, LAY OUT A REFERENCE LINE TO ESTABLISH IN AND OUT WALL LOCATIONS.

USE COLUMN CENTER LINES ESTABLISHED BY THE GENERAL CONTRACTOR. ON EACH FLOOR LAY OUT MULLION CENTER LINES AND ANCHOR CENTER LINES.

SEE APPROVED SHOP DRAWINGS FOR ANCHOR LAYOUTS



EXTERIOR FACE OF BEAM OR FLOOR SLAB

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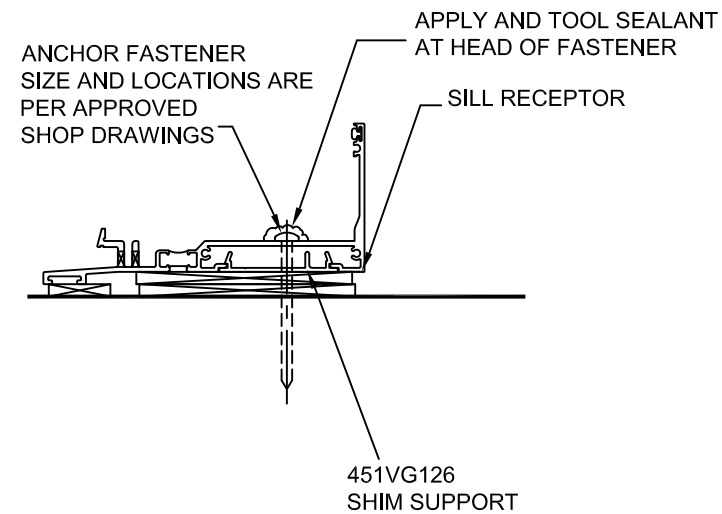
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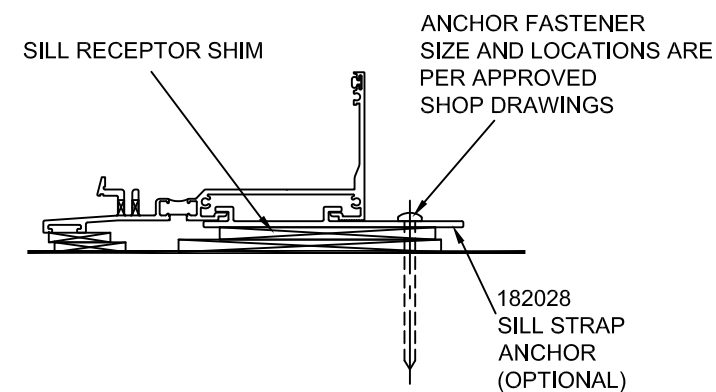
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### STEP - 11 INSTALL SILL RECEPTOR

INSTALL SILL RECEPTOR LEVEL AND TRUE IN OPENING. THE RECEPTOR SHOULD BE SHIMMED AS REQUIRED AT EACH ANCHOR FASTENER AND MULLION LOCATION.



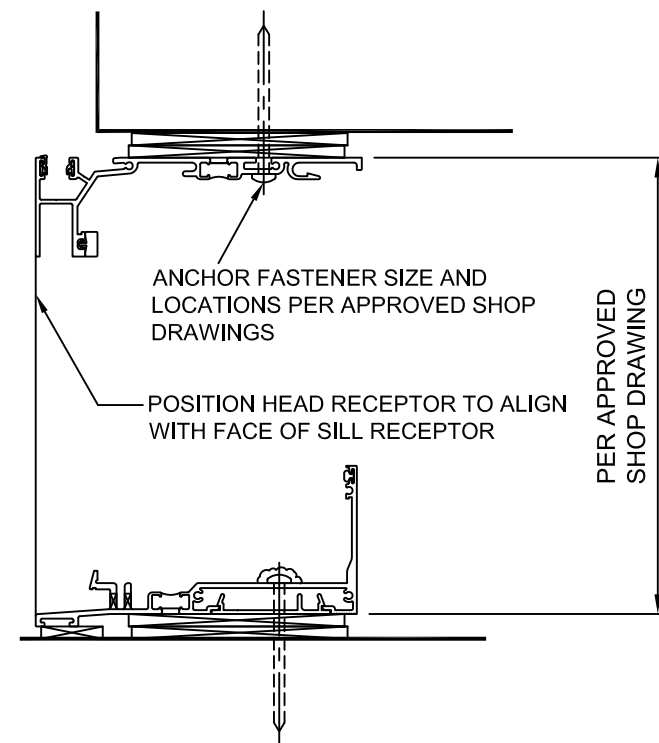
OPTIONAL STRAP ANCHOR AT PUNCH OPENING ONLY



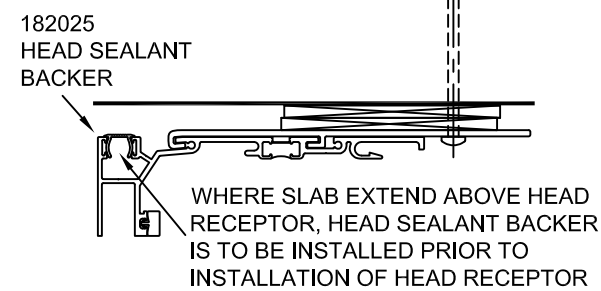
**NOTE:**

1. REFER TO APPROVED SHOP DRAWINGS OR CONSULT ENGINEERING FOR ANCHOR FASTENER SIZE AND LOCATIONS.
2. A SPLICE JOINT IS REQUIRED FOR AN OPENING LARGER THAN 15'.

### STEP - 12 INSTALL HEAD RECEPTOR



WHERE OPTIONAL STRAP ANCHORS ARE REQUIRED



### STEP - 13 INSTALL SLAB EDGE COVER

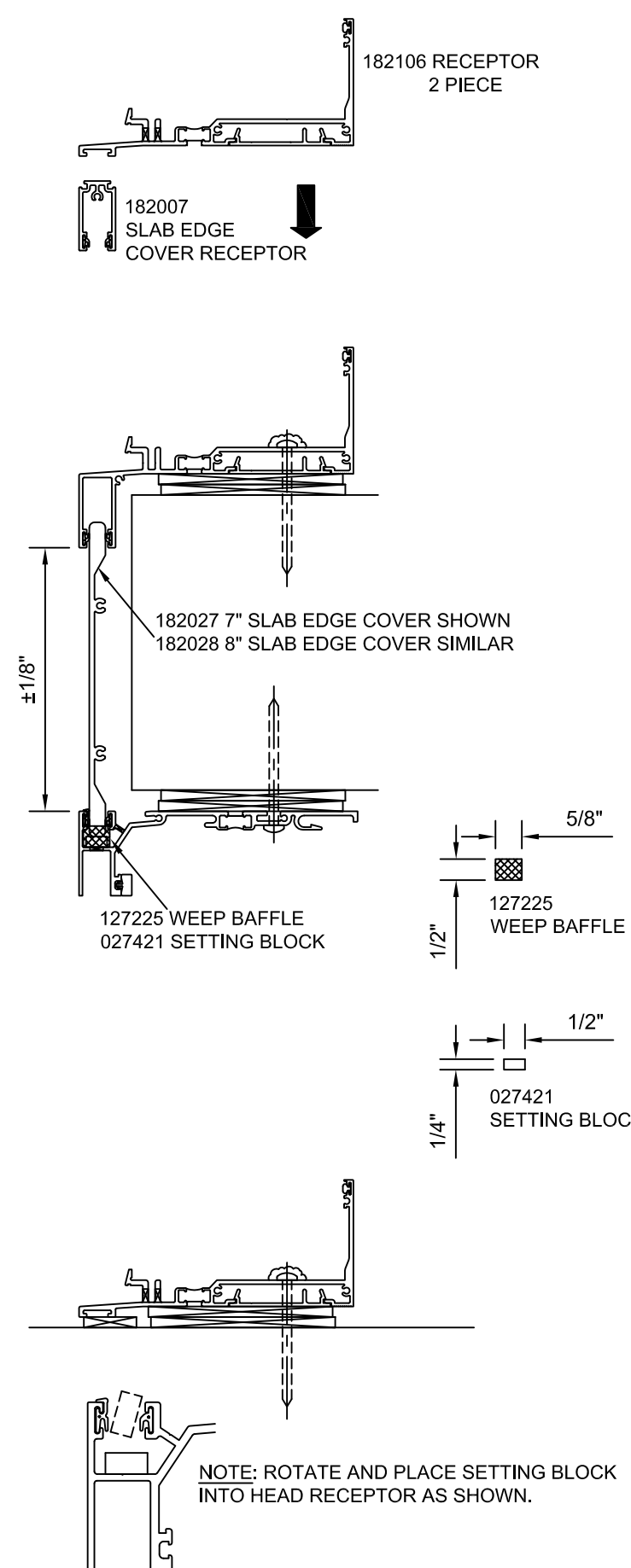
INSERT SETTING BLOCKS INTO HEAD RECEPTOR. USE MINIMUM OF THREE BLOCKS PER LENGTH OF SLAB EDGE COVER.

INSERT WEEP BAFFLE INTO HEAD RECEPTOR AT CENTER OF WEEP HOLE LOCATIONS AND PLACE SLAB COVER ON TOP OF SETTING BLOCKS.

INSTALL SILL RECEPTOR AT ABOVE FLOOR USING SAME METHOD AS NOTED EARLIER. MAKE SURE SILL RECEPTOR SLIDES OVER TOP OF SLAB EDGE COVER AND IS ALIGNED WITH HEAD RECEPTOR BELOW.

USE 2 PIECE RECEPTOR AT BALCONY, AS REQUIRED.

### STEP - 13 INSTALL SLAB EDGE COVER



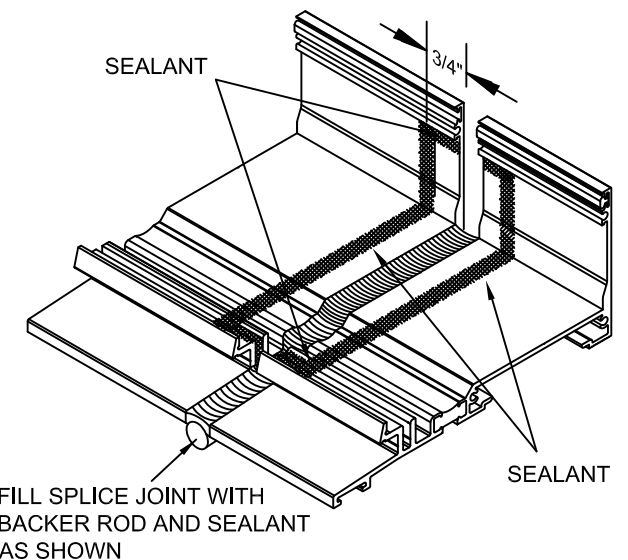
### STEP - 14 SILL RECEPTOR SPLICE

CLEAN SPLICE AREA ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

INSERT BACKER ROD AND SEAL SPLICE JOINT FROM FRONT TO BACK OF SILL RECEPTOR. TOOL EXCESS SEALANT.

APPLY BEAD OF SEALANT TO SILL RECEPTOR WITHIN 3/4 INCH FROM EACH END OF SPLICE JOINT. MAKE SURE TO APPLY SEALANT AT FRONT AND BACK LEG OF SILL RECEPTOR.

FILL FRONT SCREW CHASE COMPLETELY WITH SEALANT BEYOND SPLICE A MINIMUM OF 3/4" FROM ENDS OF SILL RECEPTOR.



NOTE: ENSURE THAT SILL RECEPTOR PIECES ARE FLUSH BEFORE ANCHORING



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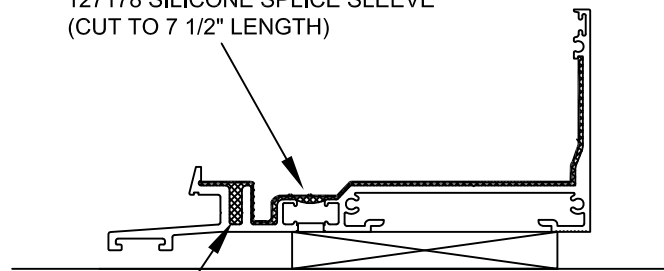
**STEP - 14 SILL RECEPTOR SPLICE**

REMOVE PROTECTIVE LINER FROM SILICONE SPLICE SLEEVE. CENTER THE SILICONE SPLICE SLEEVE OVER THE SPLICE JOINT AND USE A PUTTY KNIFE TO FORM SILICONE SPLICE SLEEVE ALONG THE PROFILE OF SILL RECEPTOR. TOOL OFF EXCESS SEALANT.

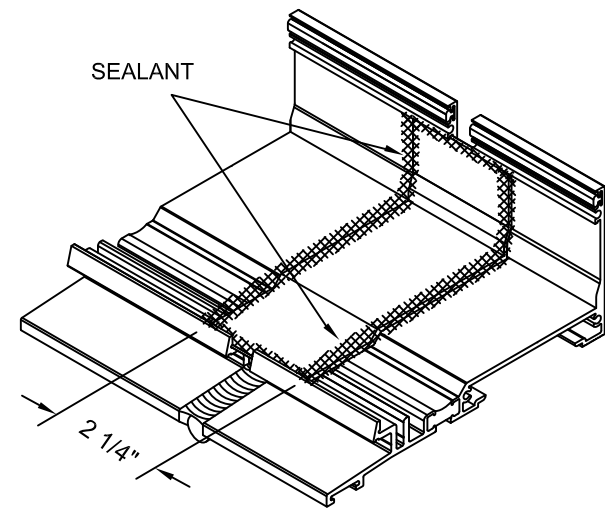
MAKE SURE THERE IS NOT ANY EXCESSIVE BUILD UP OF SEALANT THICKNESS AT THE FRONT OF THE SPLICE JOINT WHERE THE SILL HORIZONTAL SITS DOWN ON TOP OF THE SPLICE.

APPLY BEAD OF SEALANT ALONG SEAM OF SILICONE SPLICE SLEEVE AND TOOL EXCESS.

127178 SILICONE SPLICE SLEEVE  
(CUT TO 7 1/2" LENGTH)



FILL FRONT SCREW CHASE WITH SEALANT. DO NOT PUT SHEET INTO THIS GROOVE



**STEP - 15 HEAD RECEPTOR SPLICE**

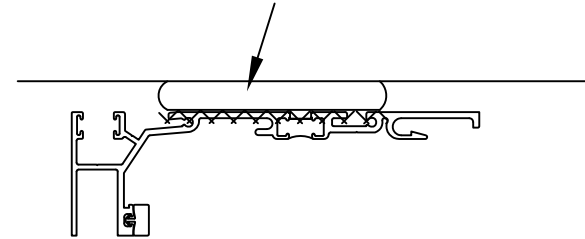
CLEAN SPLICE AREA ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS. INSERT BACKER ROD AND SEAL FROM FRONT OF HEAD RECEPTOR AND STOP AT SCREW SPLINE, AS SHOWN.

APPLY A BEAD OF SEALANT TO HEAD RECEPTOR WITHIN 3/4" FROM EACH END OF CUT, AS SHOWN.

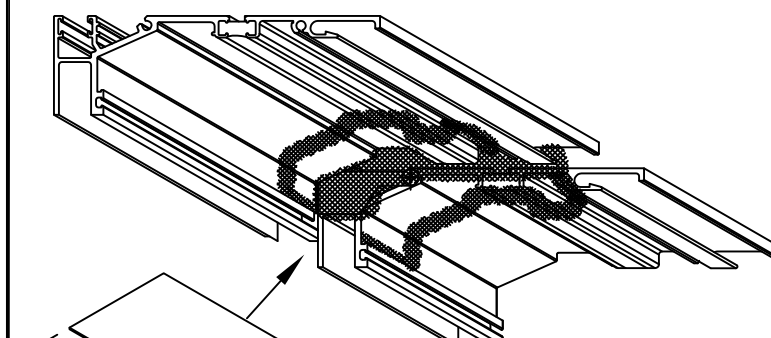
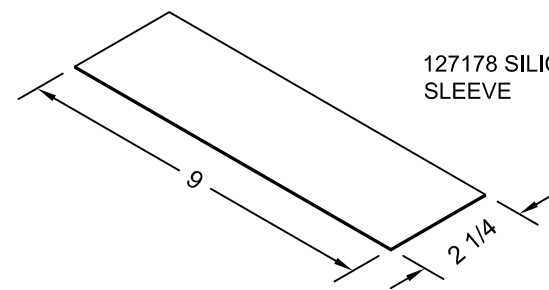
CUT SILICONE SPLICE SLEEVE INTO TWO PIECES; ONE 5-3/4" AND ONE 1-3/4" LONG. REMOVE PROTECTIVE LINER FROM SILICONE SPLICE SLEEVE.

APPLY THE 5-3/4" CUT PIECE AT BOTTOM SURFACE OF HEAD RECEPTOR. CENTER THE SILICONE SPLICE SLEEVE OVER THE JOINT AND BED THE SILICONE SPLICE SLEEVE IN SEALANT.

BACKER ROD AND SEALANT

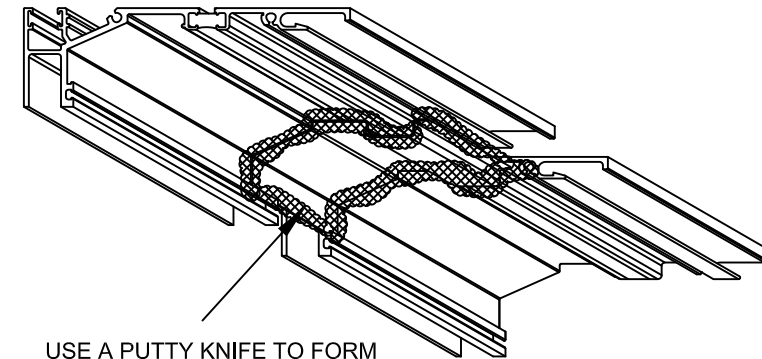


127178 SILICONE SPLICE SLEEVE



127178 SILICONE SPLICE SLEEVE, CUT TO 5-3/4" LENGTH

**STEP - 15 HEAD RECEPTOR SPLICE**

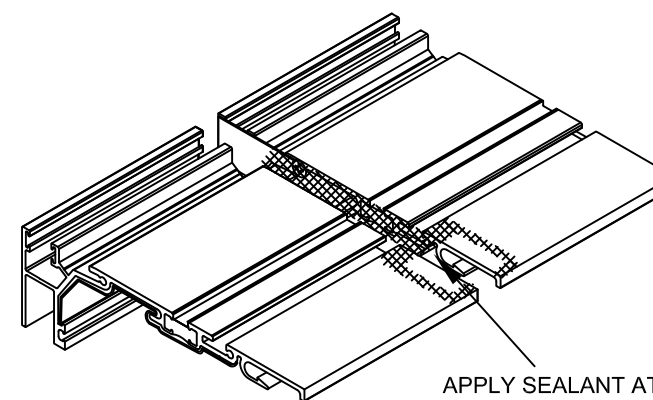


USE A PUTTY KNIFE TO FORM THE SILICONE SPLICE SLEEVE ALONG THE PROFILE OF HEAD RECEPTOR STARTING FROM FRONT OF HEAD RECEPTOR .

CLEAN TOP SURFACE AT SPLICE AREA OF HEAD RECEPTOR ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS PRIOR TO APPLYING A BEAD OF SEALANT.

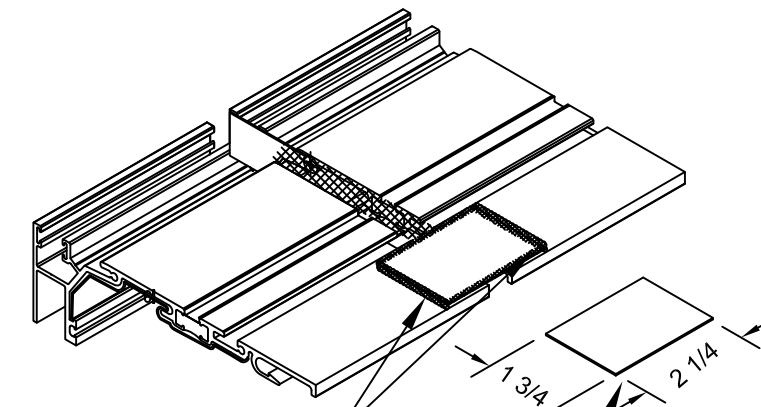
APPLY SEALANT TO TOP SURFACE OF THE HEAD RECEPTOR WITHIN 3/4" FROM EACH END OF CUT AS SHOWN.

APPLY THE 1-3/4" CUT SILICONE SPLICE SLEEVE PIECE AT TOP SURFACE OF HEAD RECEPTOR. CENTER THE SILICONE SPLICE SLEEVE OVER THE SPLICE JOINT AND BED THE SILICONE SPLICE SLEEVE IN SEALANT.



APPLY SEALANT AT SPLICE JOINT BETWEEN TOP AND BOTTOM SILICONE SPLICE SLEEVE FOR SEAL CONTINUITY

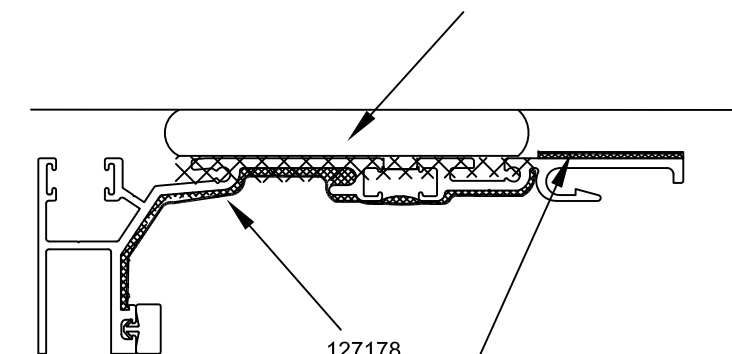
**STEP - 15 HEAD RECEPTOR SPLICE**



APPLY BEAD OF SEALANT ALONG SEAM OF SILICONE SPLICE SLEEVE AND TOOL EXCESS SEALANT.

127178 SILICONE SPLICE SLEEVE, CUT TO 1-3/4" LENGTH

BACKER ROD AND SEALANT



127178 SILICONE SPLICE SLEEVE SHEET



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**STEP - 16 APPLY AIR SEAL TAPE AT SILL**

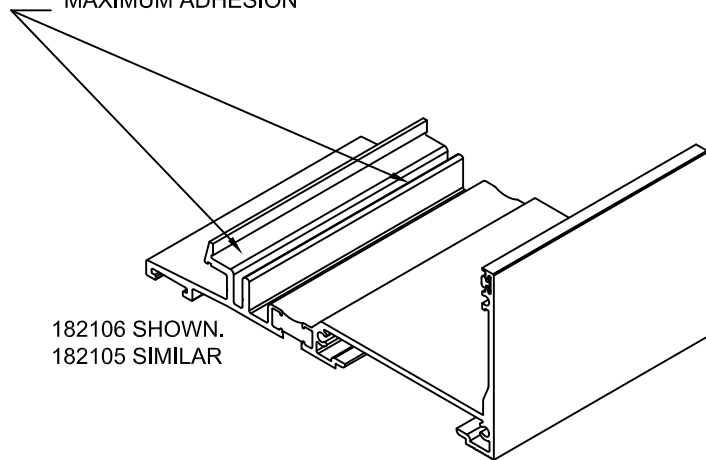
CLEAN SURFACE OF SILL RECEPTOR AT FOAM TAPE CONTACT SURFACES.

REMOVE TAPE LINER AND APPLY TAPE TO SILL RECEPTOR

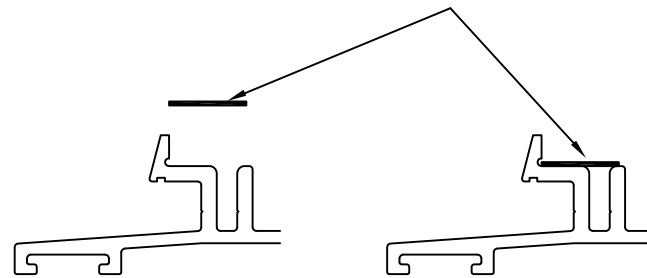
FOAM TAPE TO BE SAME LENGTH AS SILL RECEPTOR.  
NOTE: AT SPLICE JOINTS, TAPE RUN TO EDGE OF SILICONE SPLICE SLEEVES.

IN TEMPERATURES COLDER THAN 50°F ARRANGEMENTS SHOULD BE MADE TO WARM TAPE BEFORE INSTALLATION.

SURFACE MUST BE CLEANED BEFORE APPLICATION OF FOAM TAPE TO ASSURE MAXIMUM ADHESION



127226  
FOAM TAPE  
FOR AIR SEAL

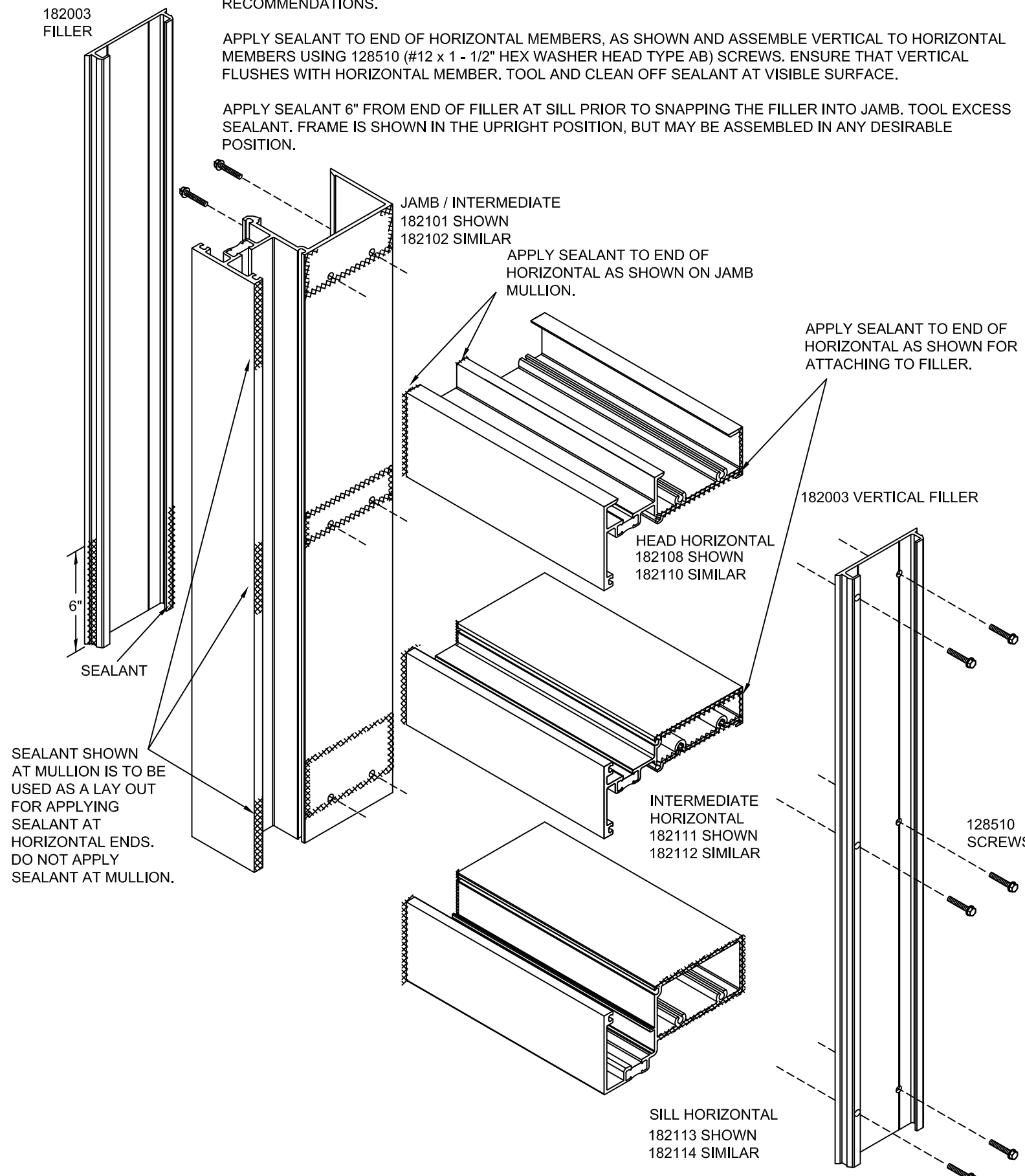


**STEP - 17 UNIT ASSEMBLY**

CLEAN VERTICAL AND ENDS OF HORIZONTAL MEMBERS ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

APPLY SEALANT TO END OF HORIZONTAL MEMBERS, AS SHOWN AND ASSEMBLE VERTICAL TO HORIZONTAL MEMBERS USING 128510 (#12 x 1 - 1/2" HEX WASHER HEAD TYPE AB) SCREWS. ENSURE THAT VERTICAL FLUSHES WITH HORIZONTAL MEMBER. TOOL AND CLEAN OFF SEALANT AT VISIBLE SURFACE.

APPLY SEALANT 6" FROM END OF FILLER AT SILL PRIOR TO SNAPPING THE FILLER INTO JAMB. TOOL EXCESS SEALANT. FRAME IS SHOWN IN THE UPRIGHT POSITION, BUT MAY BE ASSEMBLED IN ANY DESIRABLE POSITION.



SEALANT SHOWN AT MULLION IS TO BE USED AS A LAY OUT FOR APPLYING SEALANT AT HORIZONTAL ENDS. DO NOT APPLY SEALANT AT MULLION.

APPLY SEALANT TO END OF HORIZONTAL AS SHOWN FOR ATTACHING TO FILLER.

182003 VERTICAL FILLER

HEAD HORIZONTAL  
182108 SHOWN  
182110 SIMILAR

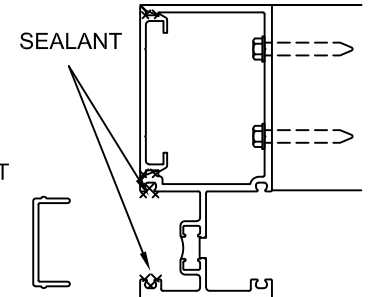
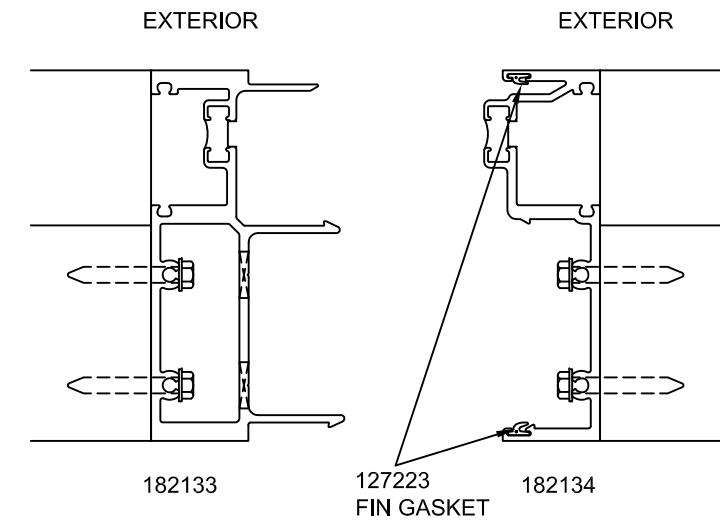
INTERMEDIATE HORIZONTAL  
182111 SHOWN  
182112 SIMILAR

SILL HORIZONTAL  
182113 SHOWN  
182114 SIMILAR

**STEP - 18 EXPANSION MULLIONS**

EXPANSION MULLION IS REQUIRED WHERE AN OPENING IS GREATER THAN 20' OR FOUR MORE UNITS ARE USED.

SLIDE FIN GASKET INTO FEMALE EXPANSION MULLION. THE GASKET IS TO RUN FULL LENGTH OF MULLION.



FILL REGLET POCKETS WITH SEALANT 6" FROM END OF JAMB AT SILL PRIOR TO SNAPPING POCKET FILLER TO JAMB. TOOL EXCESS SEALANT.

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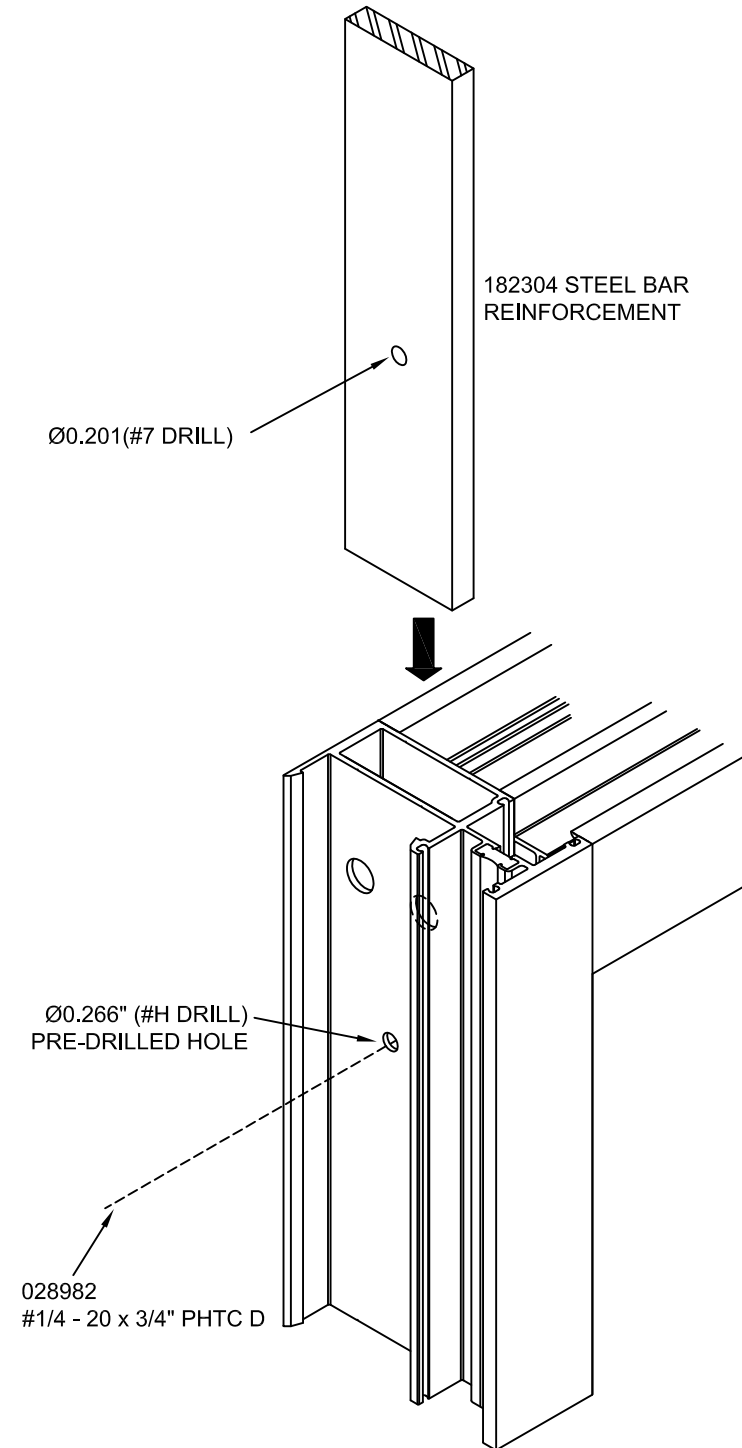
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**STEP - 19 STEEL REINFORCING AT MULLION**

REFERENCE APPROVED SHOP DRAWINGS FOR STEEL REQUIREMENT AND LOCATIONS.

DRILL Ø0.266" (#H DRILL) HOLES THROUGH MULLION. HOLE LOCATIONS ARE PER APPROVED SHOP DRAWING.

UNIT FRAMING MEMBERS MUST BE ASSEMBLED PRIOR TO INSTALLING STEEL DUE TO FRAMING SCREW ACCESS RESTRICTIONS.

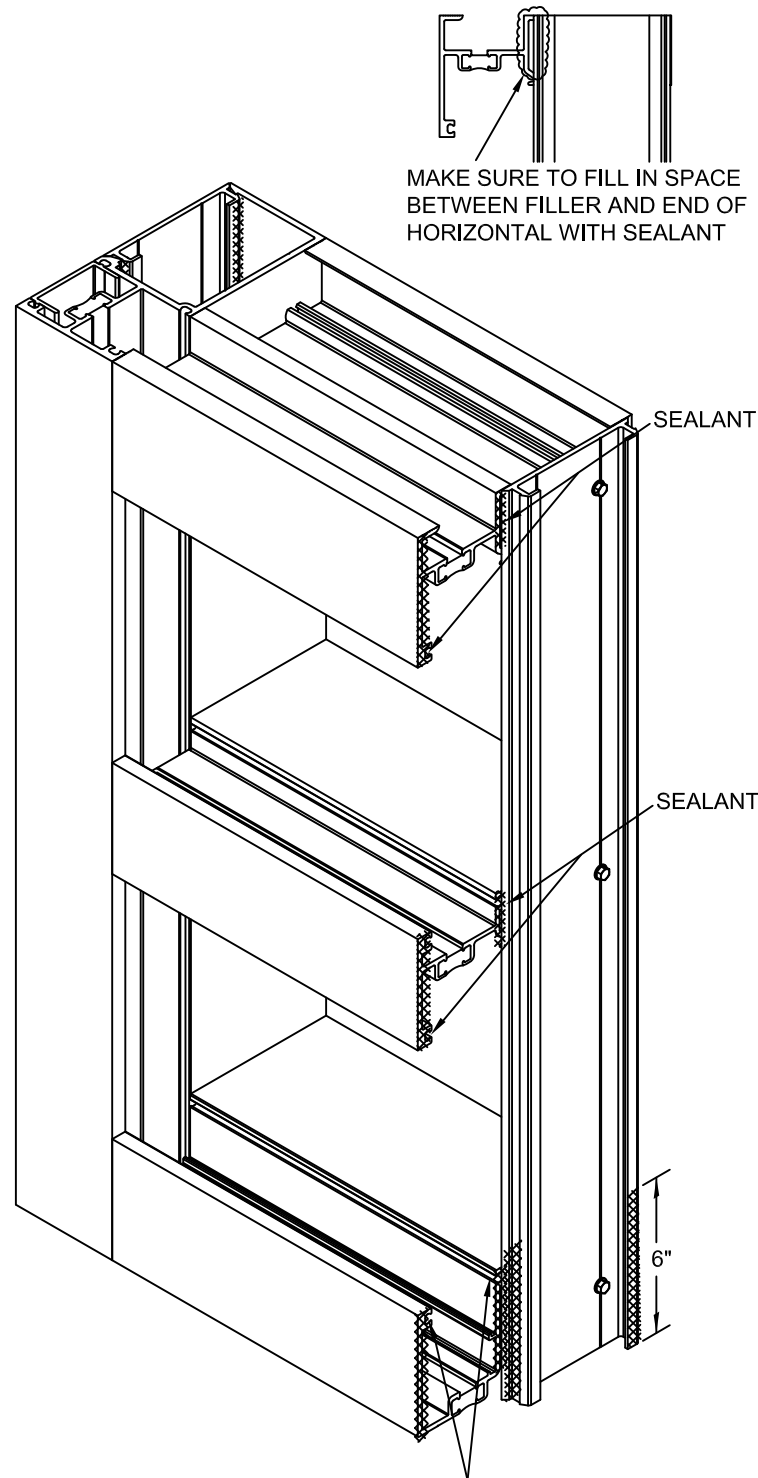


JAMB / INTERMEDIATE / EXPANSION MULLION  
182102 SHOWN  
182120 / 182133 SIMILAR

**STEP - 20 INSTALL UNITS**

CLEAN ENDS OF FILLER AND HORIZONTAL PER SEALANT MANUFACTURER'S RECOMMENDATIONS.

APPLY SEALANT AT ENDS OF HORIZONTAL AND 6" FROM ENDS OF FILLER AT SILL, AS SHOWN. TOOL AND CLEAN OFF EXCESS SEALANT AFTER ASSEMBLY UNIT.



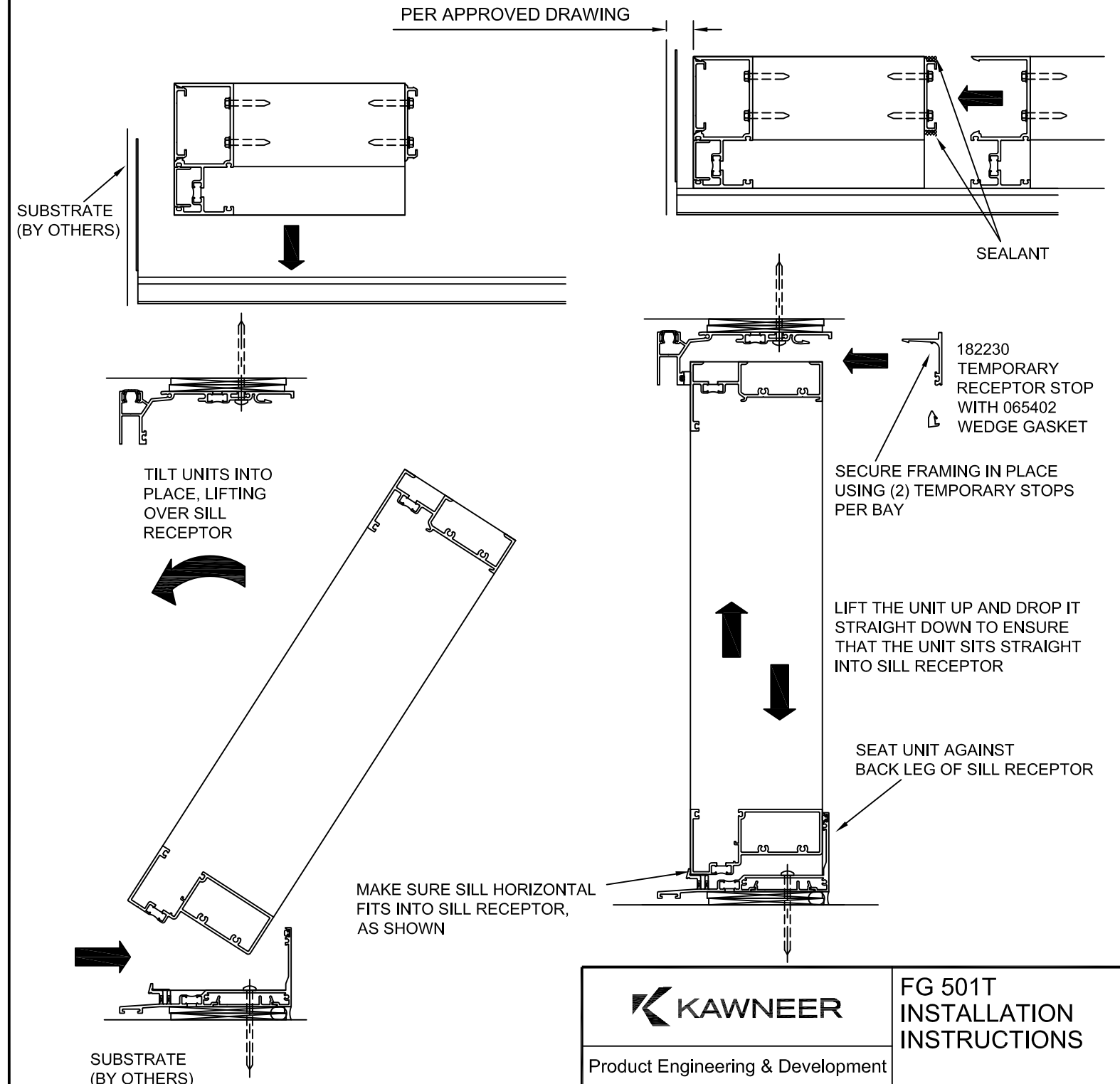
CLEAN OFF EXCESS SEALANT IN GASKET REGLETS AFTER ASSEMBLY UNIT AT ALL LOCATIONS

**STEP - 20 INSTALL UNITS**

INSTALL ASSEMBLED FRAMES ACCORDING TO APPROVED SHOP DRAWINGS.

BRING FIRST UNIT INTO PLACE AS SHOWN . APPLY (2) 182230 TEMPORARY RECEPTOR STOPS WITH WEDGE GASKET PER BAY AT HEAD RECEPTOR TO KEEP UNIT IN PLACE.

PRIOR TO INSTALLING NEXT UNITS, CLEAN ENDS OF FILLER AND HORIZONTAL PER SEALANT MANUFACTURER'S RECOMMENDATIONS. APPLY 6" LONG BEAD OF SEALANT TO ENDS OF FILLER FROM SILL. SNAP FRAMING TOGETHER, TOOL EXCESS AND CLEAN OFF SEALANT AT VISION SURFACES. SECURE UNITS USING (2) TEMPORARY RECEPTOR STOPS WITH WEDGE GASKET PER BAY.



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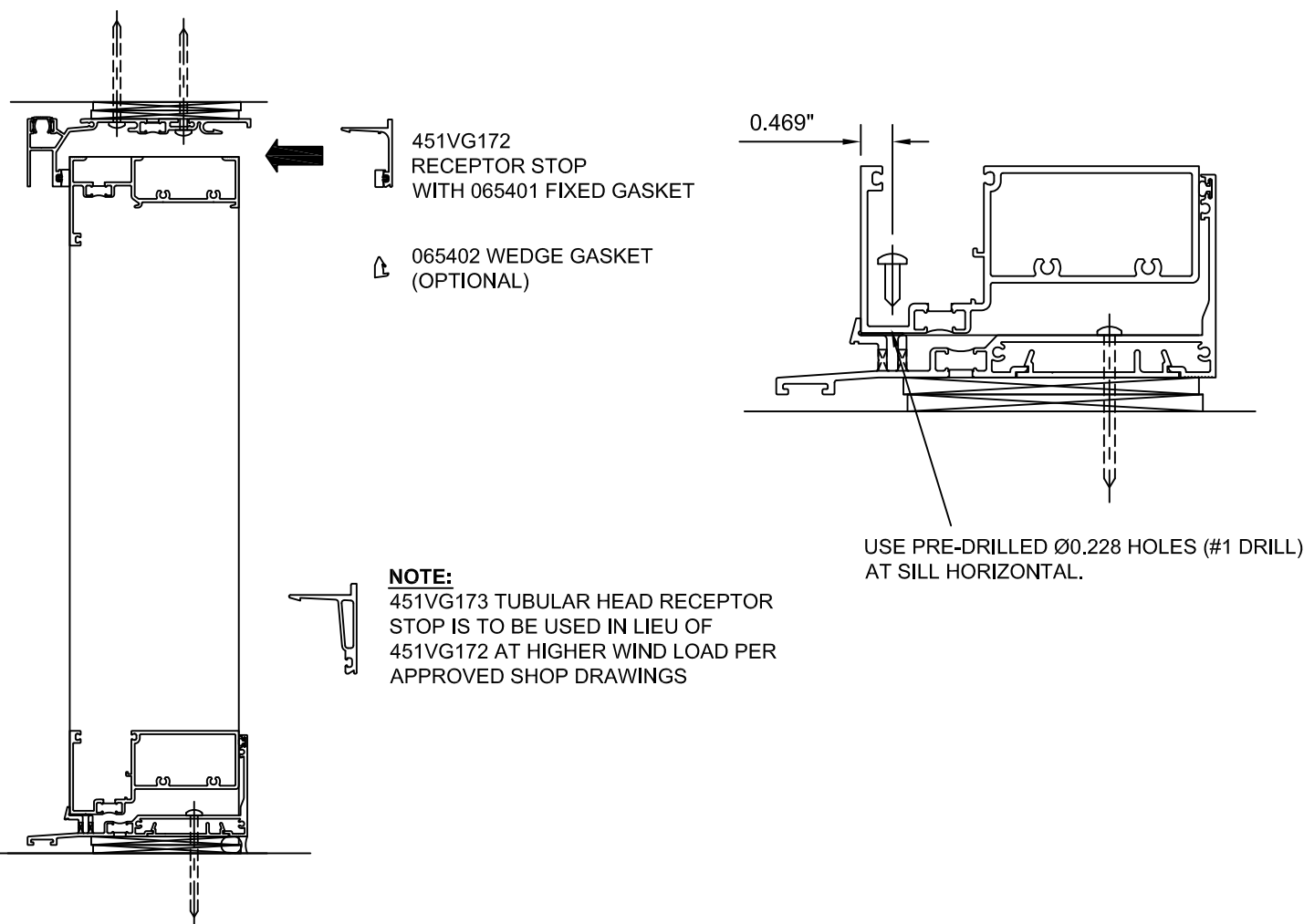
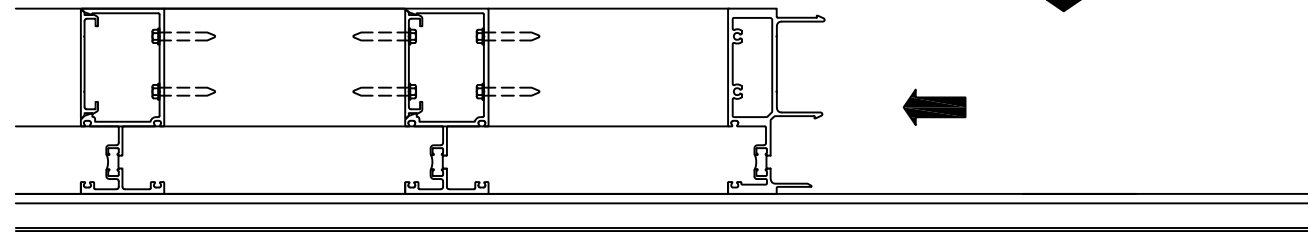
### STEP - 20 INSTALL UNITS

EXPANSION MULLION IS REQUIRED WHERE FOUR OR MORE UNITS ARE USED.

SECURE UNIT AND REMOVE TEMPORARIES. APPLY SEALANT AT ENDS OF RECEPTOR STOP. SNAP THE RECEPTOR STOP TO HEAD HORIZONTAL USING WOOD BLOCK AND MALLET. TOOL EXCESS SEALANT BETWEEN END DAM AND END OF RECEPTOR STOP. CLEAN OFF SEALANT AT VISION AREAS.

OPTIONAL WEDGE GASKET IS AVAILABLE TO BE USED AT HEAD RECEPTOR. THE WEDGE GASKET MUST BE INSTALLED STARTING AT ONE END AND CONTINUING TO THE OTHER END OF THE HEAD RECEPTOR (LIKE A ZIPPER). IT SHOULD NOT BE DONE BY "CROWDING" METHODS. THIS WILL ALLOW THE WEDGE'S SEMI-RIGID FINGER TO MAKE A POSITIVE ENGAGEMENT IN THE GASKET RACEWAY. CROWDING THE CORNERS METHOD, CAN COMPRESS THE RIGID FINGER AND CAUSE IT TO NOT MAKE FULL ENGAGEMENT.

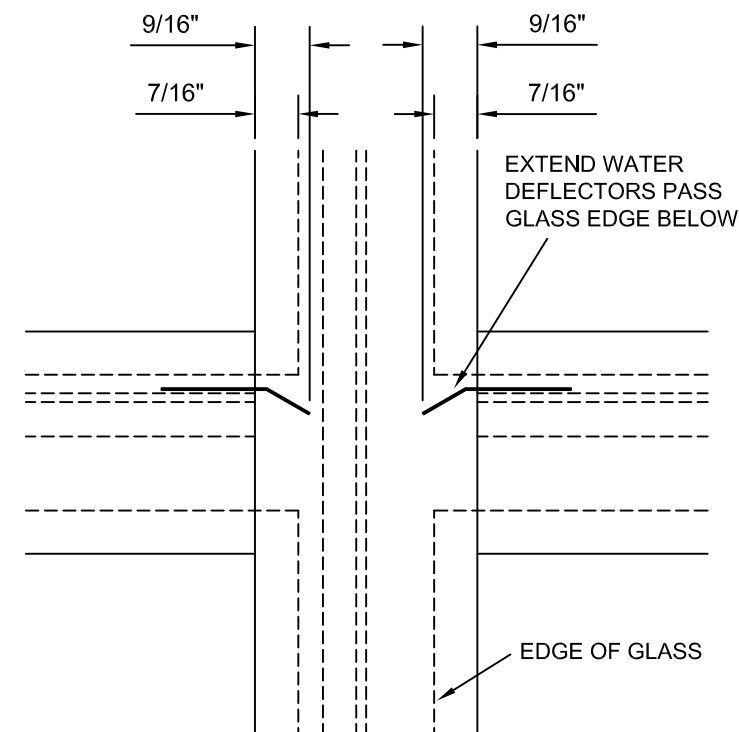
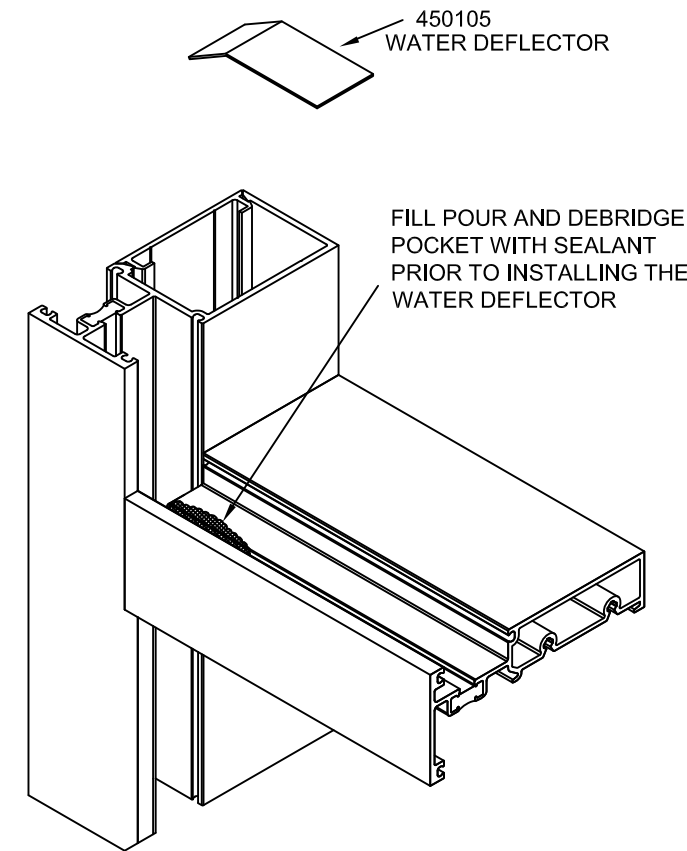
AT FRONT OF SILL HORIZONTAL, ANCHOR FRAMES TO SILL RECEPTOR USING 128293 (#12-14 x 5/8" PHTF) SCREWS WITH SPACING AT 12" O.C. MAX.



### STEP - 21 INSTALL WATER DEFLECTORS

INSTALL WATER DEFLECTORS ON A CLEAN AND DRY SURFACE EACH END OF INTERMEDIATE HORIZONTALS.

MAKE SURE TO EXTEND WATER DEFLECTOR 9/16" PAST END INTERMEDIATE HORIZONTAL.

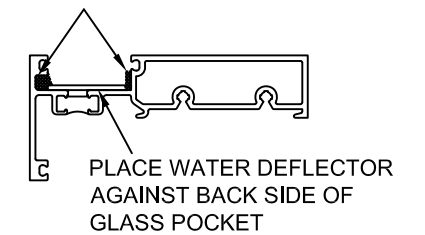


### STEP - 21 INSTALL WATER DEFLECTORS

ONCE THE WATER DEFLECTOR IS INSTALLED, APPLY SEALANT AT CORNER OF GLAZING POCKET AT THE HORIZONTAL AS SHOWN. MAKE SURE **NOT** TO FILL THE GLAZING REGLETS WITH SEALANT.

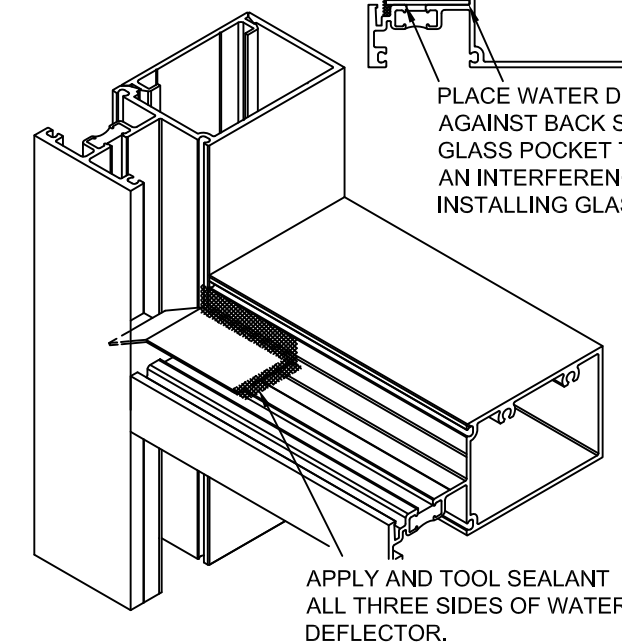
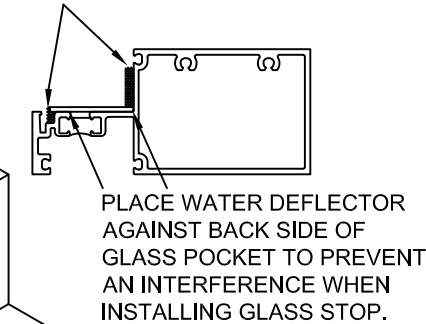
#### INSIDE GLAZED

APPLY SEALANT AT CORNER OF GLASS POCKET TO PREVENT WATER FROM RUNNING DOWN ONTO THE LITE BELOW



#### OUTSIDE GLAZED

APPLY SEALANT AT CORNER OF GLASS POCKET TO PREVENT WATER FROM RUNNING DOWN ONTO THE LITE BELOW



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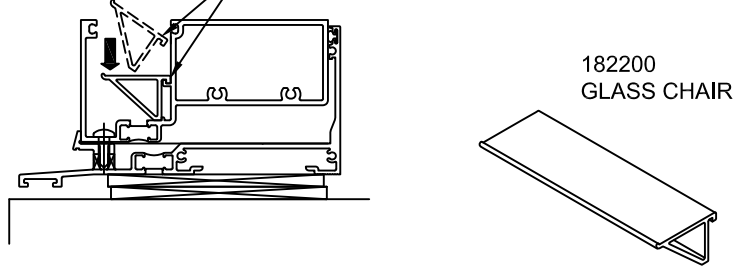


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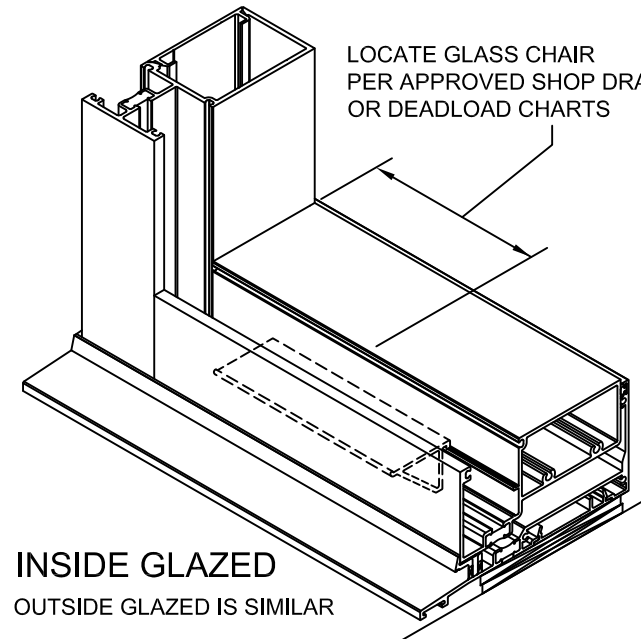
**STEP - 22 INSTALL GLASS CHAIR**

ROTATE GLASS CHAIR ONTO SILL HORIZONTAL AND ENGAGE THE HOOKS AT BOTH PARTS.



182200  
GLASS CHAIR

LOCATE GLASS CHAIR PER APPROVED SHOP DRAWINGS OR DEADLOAD CHARTS



INSIDE GLAZED  
OUTSIDE GLAZED IS SIMILAR

**STEP - 24 INSTALL GLAZING GASKET**

DO NOT STRETCH FIXED GASKET WHEN REMOVING FROM COIL AND DURING INSTALLATION.

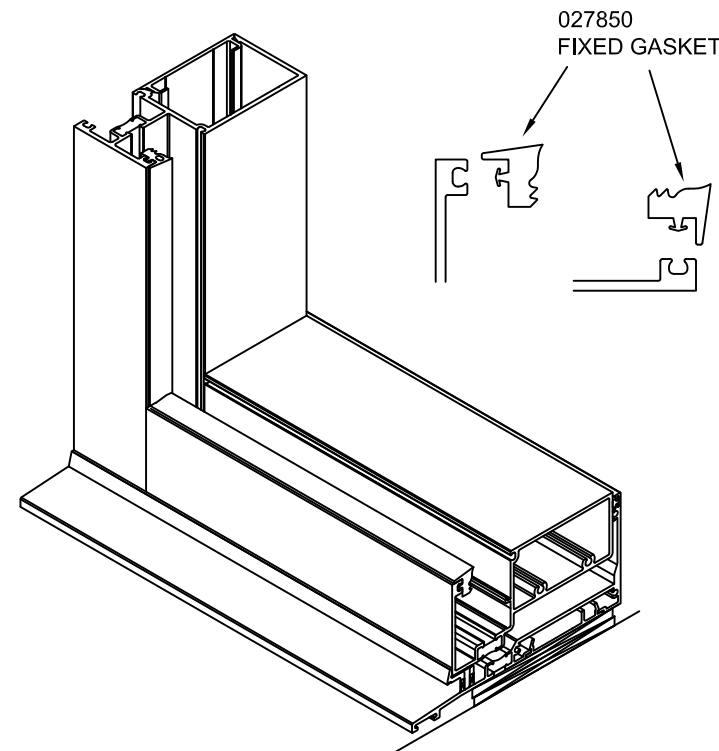
IN TEMPERATURES COLDER THAN 50° F ARRANGEMENTS SHOULD BE MADE TO WARM GASKETS BEFORE INSTALLATION. THIS WILL PREVENT EXCESSIVE GLAZING PRESSURE ON THE GLASS DUE TO COLD, STIFF RUBBER GASKETS.

GASKETS CAN BECOME DEFORMED DURING STORAGE IN CARTONS. THEY SHOULD BE REMOVED FROM CARTONS SEVERAL HOURS PRIOR TO GLAZING AND LAID FLAT OR HUNG TO ALLOW RECOVERY OF CORRECT SHAPE. TEMPERATURES SHOULD BE AT LEAST 50° F TO ALLOW THIS.

GASKET GROOVES AND POCKETS SHOULD BE CLEAN. INSTALL GASKET ASSEMBLIES BY STARTING AT THE CORNERS AND WORKING TOWARDS THE CENTER, MAKING SURE THE CORNERS ARE SQUARE. GASKET ASSEMBLIES WILL BE SLIGHTLY LARGER THAN DAYLITE OPENING TO ALLOW FOR SOME "CROWD-IN".

"CROWD-IN" TO BE 1/8" PER FOOT OF DAYLITE OPENING UP TO 5'-0"; 3/16" PER FOOT UP TO 8'-0"; 1/4" PER FOOT OVER 8'-0". DO NOT STRETCH, CUT OR SPLICE GASKETS.

**INSIDE GLAZED**

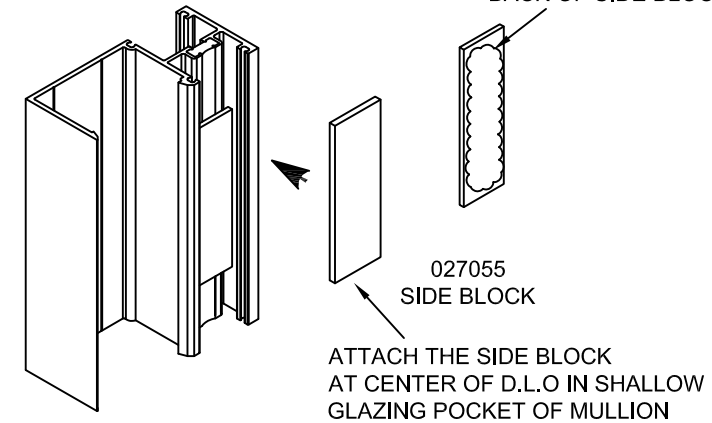


027850  
FIXED GASKET

**FOR OUTSIDE GLAZED:**  
INSTALL GLAZING GASKET AT INTERIOR SIDE.

**STEP - 27 INSTALL SIDE BLOCK**

CLEAN SURFACE AREA AT MULLION ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS. APPLY SEALANT TO BACK OF SIDE BLOCK



027055  
SIDE BLOCK

ATTACH THE SIDE BLOCK AT CENTER OF D.L.O IN SHALLOW GLAZING POCKET OF MULLION

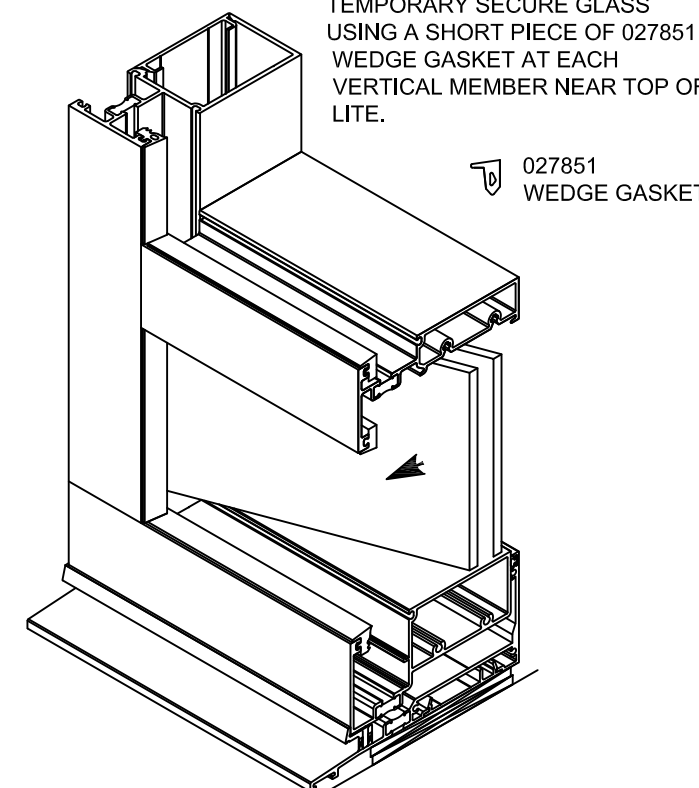
**STEP - 26 INSTALL GLASS - INSIDE GLAZED**

APPLY SEALANT AT ALL FOUR CORNERS OF EXTERIOR FIXED GASKET CORNERS JUST PRIOR TO INSTALLING GLASS AND TOOL SEALANT AROUND GASKET CORNERS.

INSTALL GLASS FROM INTERIOR OF BUILDING. LIFT BOTTOM EDGE ABOVE SILL HORIZONTAL AND INSERT VERTICAL EDGE INTO DEEP POCKET OF VERTICAL MEMBER AS SHOWN. ROTATE GLASS OUTWARD AND SLIDE BACK INTO SHALLOW POCKET.

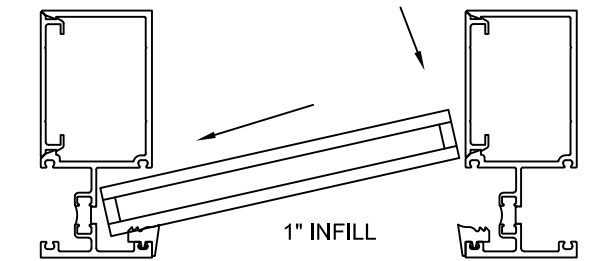
LOWER GLASS INTO SILL HORIZONTAL GLASS POCKET, ON TOP OF SETTING BLOCKS AND CENTER GLASS HORIZONTALLY. LIFT THE GLASS SLIGHTLY AND PUSH FORWARD INTO THE EXTERIOR GASKETS.

TEMPORARY SECURE GLASS USING A SHORT PIECE OF 027851 WEDGE GASKET AT EACH VERTICAL MEMBER NEAR TOP OF LITE.

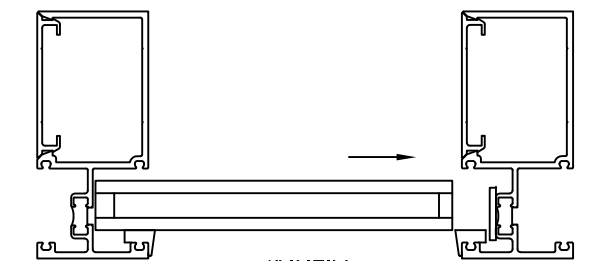
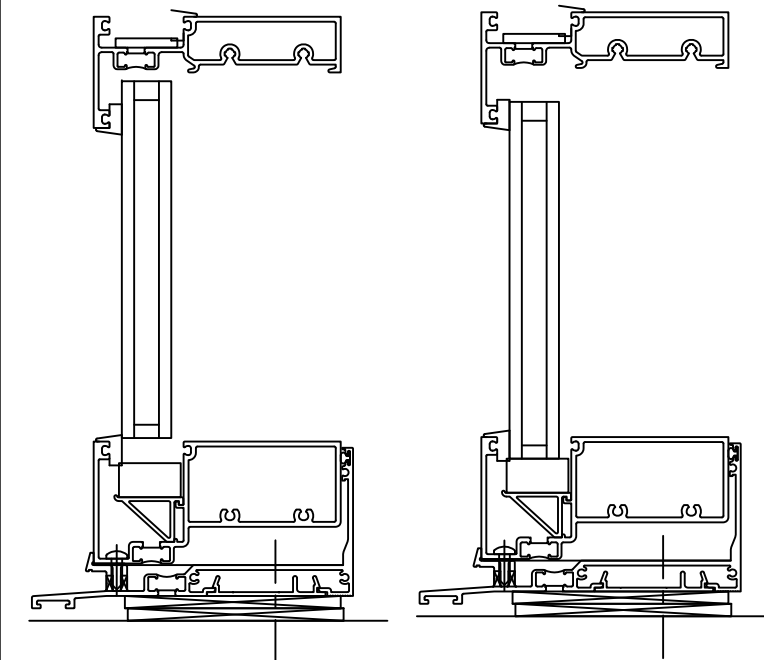


027851  
WEDGE GASKET

**STEP - 26 INSTALL GLASS - INSIDE GLAZED**



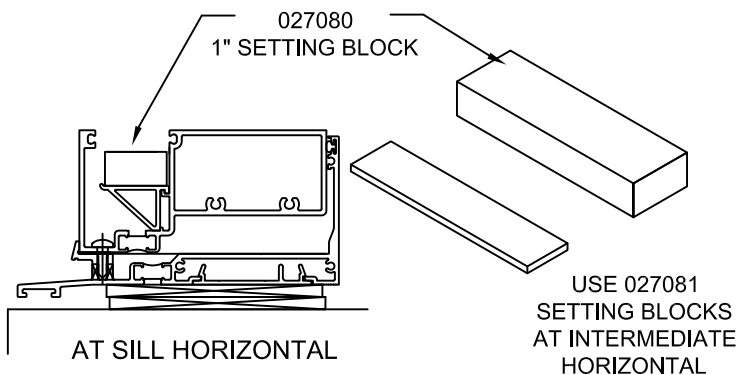
1" INFILL



1" INFILL

**STEP - 23 INSIDE GLAZED SETTING BLOCKS**

LOCATE SETTING BLOCKS PER APPROVED SHOP DRAWINGS OR DEADLOAD CHARTS



027080  
1" SETTING BLOCK

USE 027081 SETTING BLOCKS AT INTERMEDIATE HORIZONTAL

AT SILL HORIZONTAL

NOTE:  
THE SETTING BLOCK FOR OUTSIDE GLAZED APPLICATION IS TO BE INSTALLED DURING GLASS INSTALLATION.



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**STEP - 27 INSTALL GLASS - OUTSIDE GLAZED**

APPLY SEALANT AT INTERIOR FIXED GASKET CORNERS AND TOOL SEALANT AROUND CORNERS.

INSTALL GLASS FROM EXTERIOR OF BUILDING. LIFT BOTTOM EDGE ABOVE SILL HORIZONTAL AND INSERT VERTICAL EDGE INTO DEEP POCKET OF VERTICAL MEMBER AS SHOWN. ROTATE GLASS INWARD AND SLIDE BACK INTO SHALLOW POCKET OF OPPOSITE VERTICAL MEMBER.

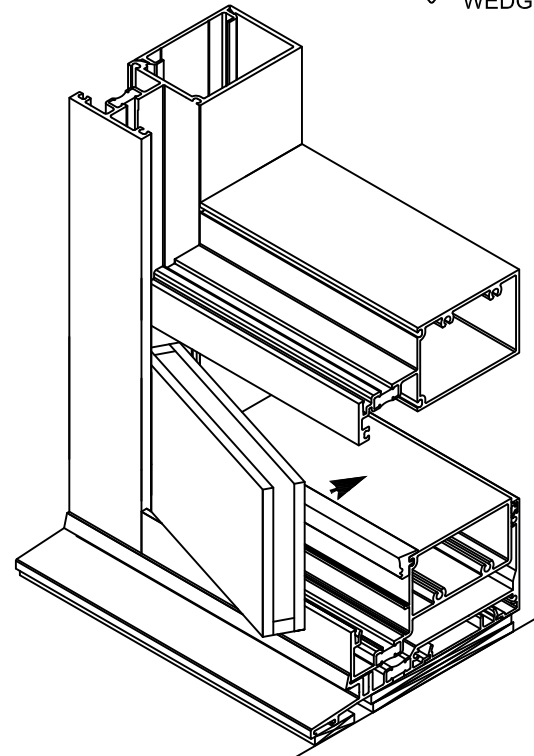
WHILE GLASS IS STILL IN THE LIFTED POSITION, INSERT SETTING BLOCKS BETWEEN BOTTOM OF GLASS AND GLASS CHAIRS. SETTING BLOCKS LOCATE PER APPROVED SHOP DRAWINGS.

LOWER GLASS ONTO SETTING BLOCKS AND CENTER GLASS HORIZONTALLY.

LIFT GLASS SLIGHTLY AND PUSH FORWARD INTO THE INTERIOR GASKETS.

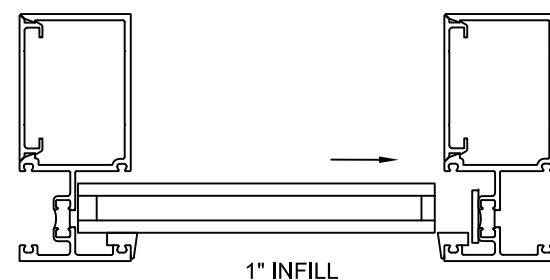
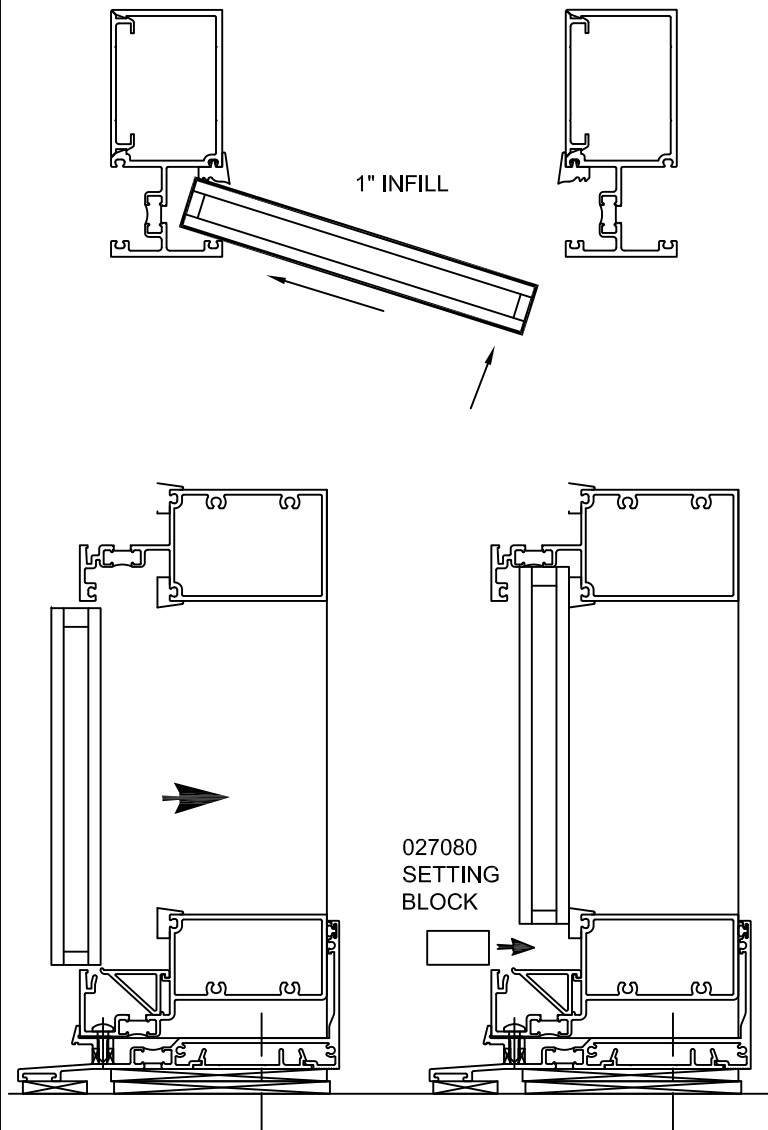
SECURE GLASS USING A SHORT PIECE OF 027851 WEDGE GASKET AT EACH VERTICAL MEMBER AT CENTER OF LITE.

027851  
WEDGE GASKET

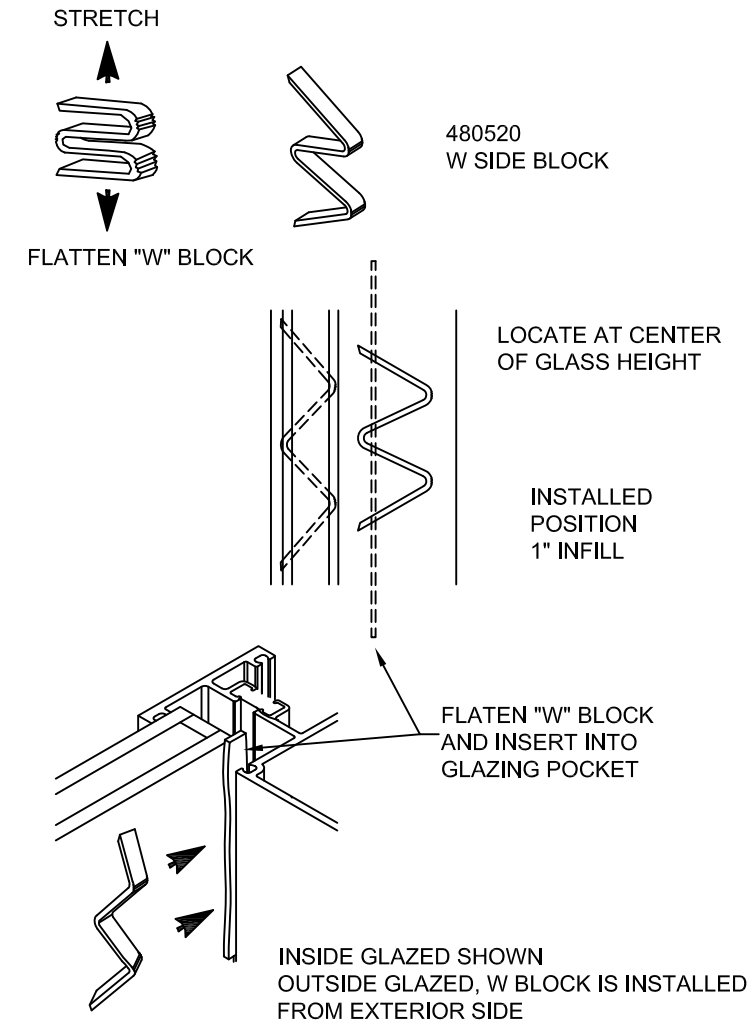


**NOTE:** INSTALLATION OF GLASS AT INTERMEDIATE HORIZONTAL IS SIMILAR

**STEP - 27 INSTALL GLASS OUTSIDE GLAZED**

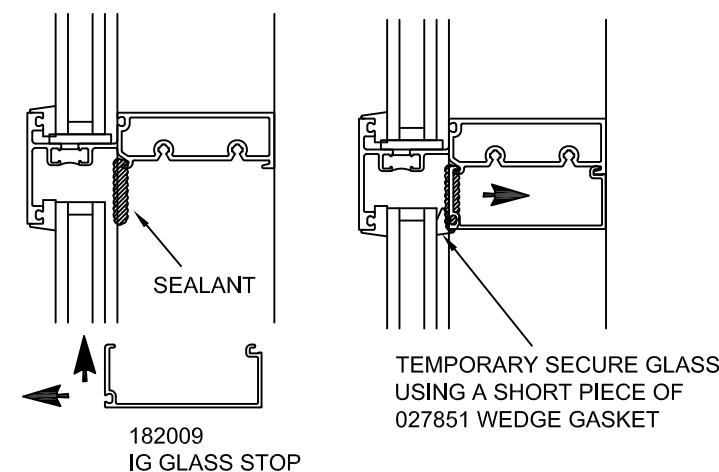


**STEP - 28 INSTALL W-BLOCK**



**STEP - 29 INSTALL GLASS STOP - INSIDE GLAZED**

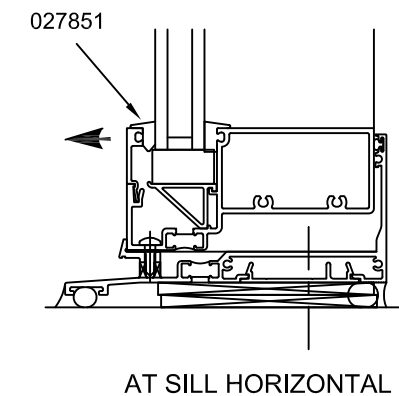
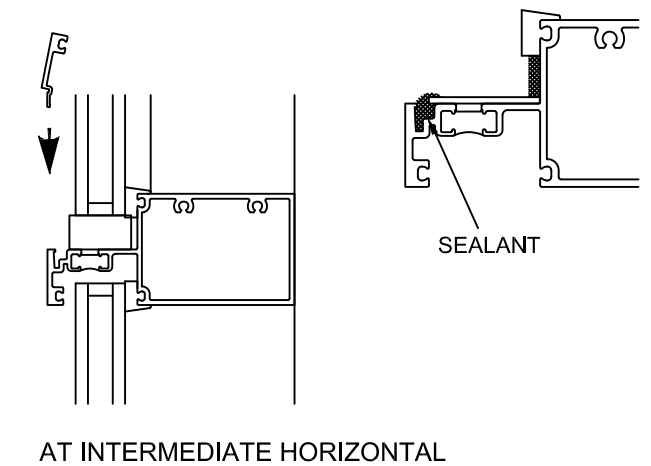
APPLY SEALANT AT VERTICAL INTERMEDIATE JUST BEFORE INSTALLING GLASS STOP. SNAP IN GLASS STOP TO INTERMEDIATE HORIZONTAL, AS SHOWN. TOOL EXCESS SEALANT.



**STEP - 30 INSTALL GLASS STOP OUTSIDE GLAZED**

**ONLY AT INTERMEDIATE HORIZONTAL:** FILL GLASS STOP POCKET WITH SEALANT MIN. 1" FROM EACH END OF HORIZONTAL JUST BEFORE INSTALLING GLASS STOP TO PREVENT WATER DRAINING TO THE LOWER LITES.

INSERT GLASS STOP INTO SILL/INTERMEDIATE HORIZONTAL AND TEMPORARY SECURE GLASS USING A SHORT PIECE OF 027851 WEDGE GASKET AT GLASS STOP.



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**STEP - 31 INSTALL WEDGE GASKET**

DO NOT STRETCH WEDGE GASKET WHEN REMOVING FROM COIL OR DURING INSTALLATION.

IN TEMPERATURES COLDER THAN 50°F ARRANGEMENTS SHOULD BE MADE TO WARM GASKETS BEFORE INSTALLATION. THIS WILL PREVENT EXCESSIVE GLAZING PRESSURE ON THE GLASS DUE TO COLD, STIFF RUBBER GASKETS.

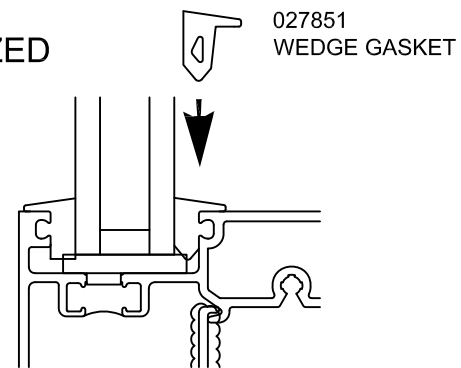
GASKETS CAN BECOME DEFORMED DURING STORAGE IN CARTONS. THEY SHOULD BE REMOVED FROM CARTONS SEVERAL HOURS PRIOR TO GLAZING AND LAID FLAT OR HUNG TO ALLOW RECOVERY OF CORRECT SHAPE. TEMPERATURES SHOULD BE AT LEAST 50°F TO ALLOW THIS.

WHEN STARTING THE WEDGE GASKET, THE BEST PLACE TO START IS NEAR A TEMPORARY. GASKET SHOULD BE CUT LONG FOR SOME "CROWD-IN". "CROWD-IN" TO BE 1/8" PER FOOT OF DAYLITE OPENING UP TO 5'-0"; 3/16" PER FOOT UP TO 8'-0"; 1/4" PER FOOT OVER 8'-0". GASKET SHOULD NEVER BE SPLICED OR "STRETCHED TO FIT".

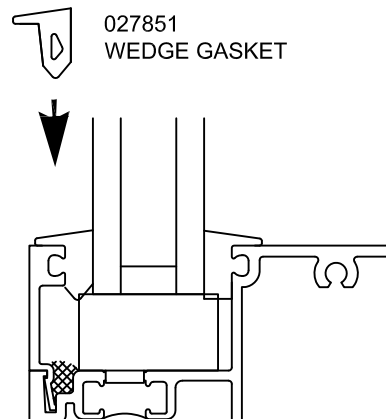
GASKET GROOVES AND POCKETS SHOULD BE CLEAN. INSTALL WEDGE GASKET THEN PULL BACK CORNERS AND APPLY SEALANT. TOOL SEALANT AT CORNERS AND CLEAN OFF EXCESS AT VISION AREA.

WATER MUST BE USED TO LUBRICATE WEDGE GASKET. BEFORE SEALING CORNERS WIPE GASKET AND CORNER DRY WITH A CLEAN RAG. BEST METHOD IS TO LEAVE CORNERS OUT FOR SOME TIME TO LET WATER EVAPORATE AND WIPE CLEAN.

**INSIDE GLAZED**

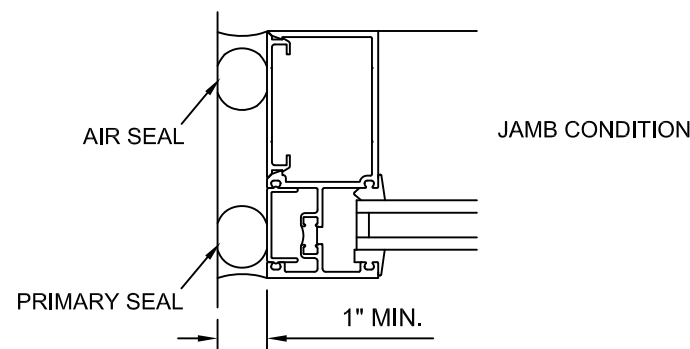
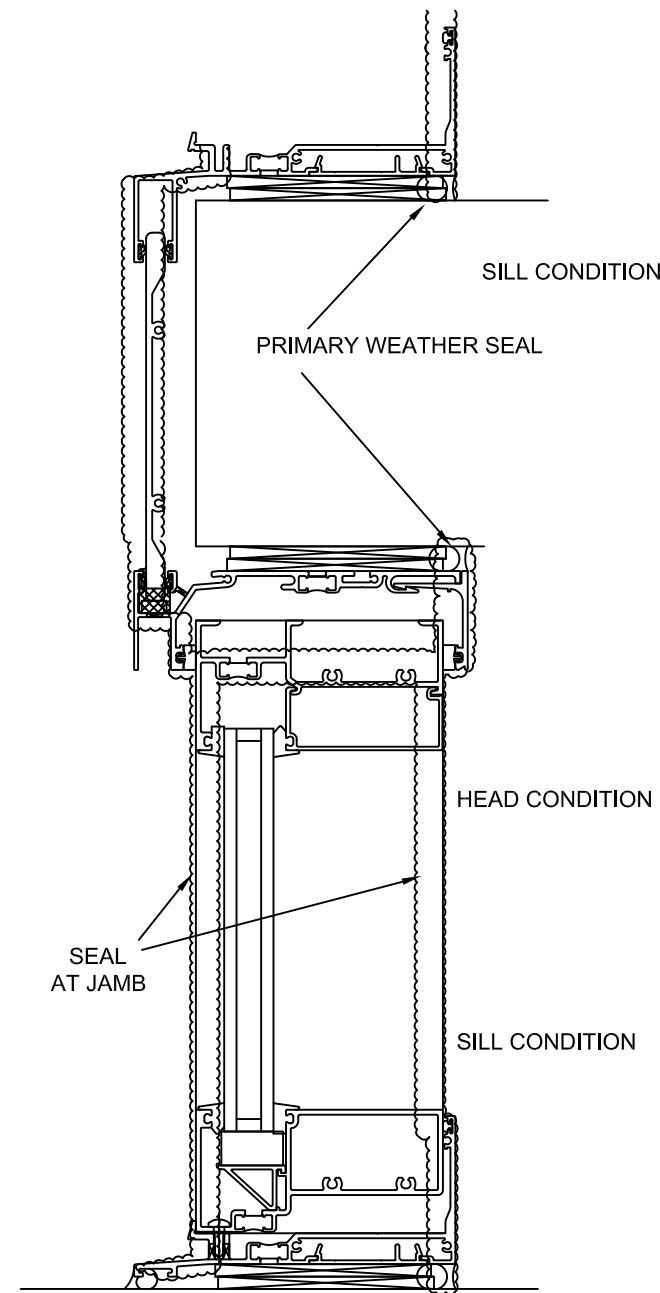


**OUTSIDE GLAZED**

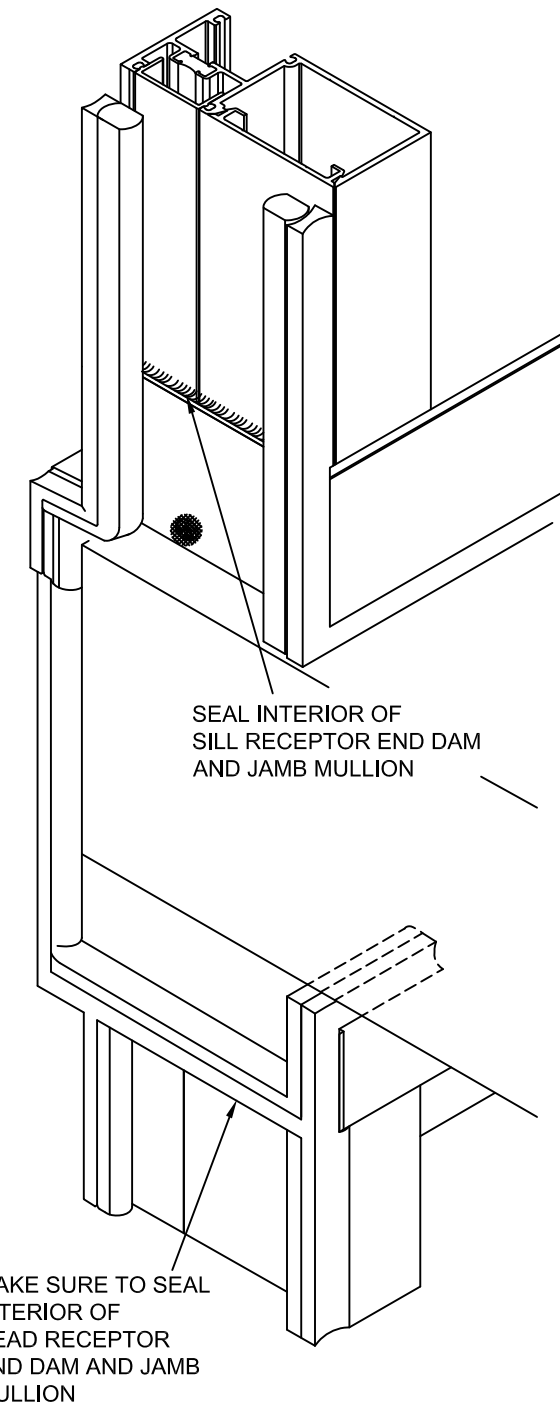


NOTE: IF THE INSTALLATION OF THE WEDGE REQUIRES EXCESSIVE FORCE OR THE WEDGE DOES NOT PROVIDE ENOUGH COMPRESSION ON THE EXTERIOR FIXED GASKET, CONTACT YOUR KAWNEER PROJECT MANAGER IMMEDIATELY

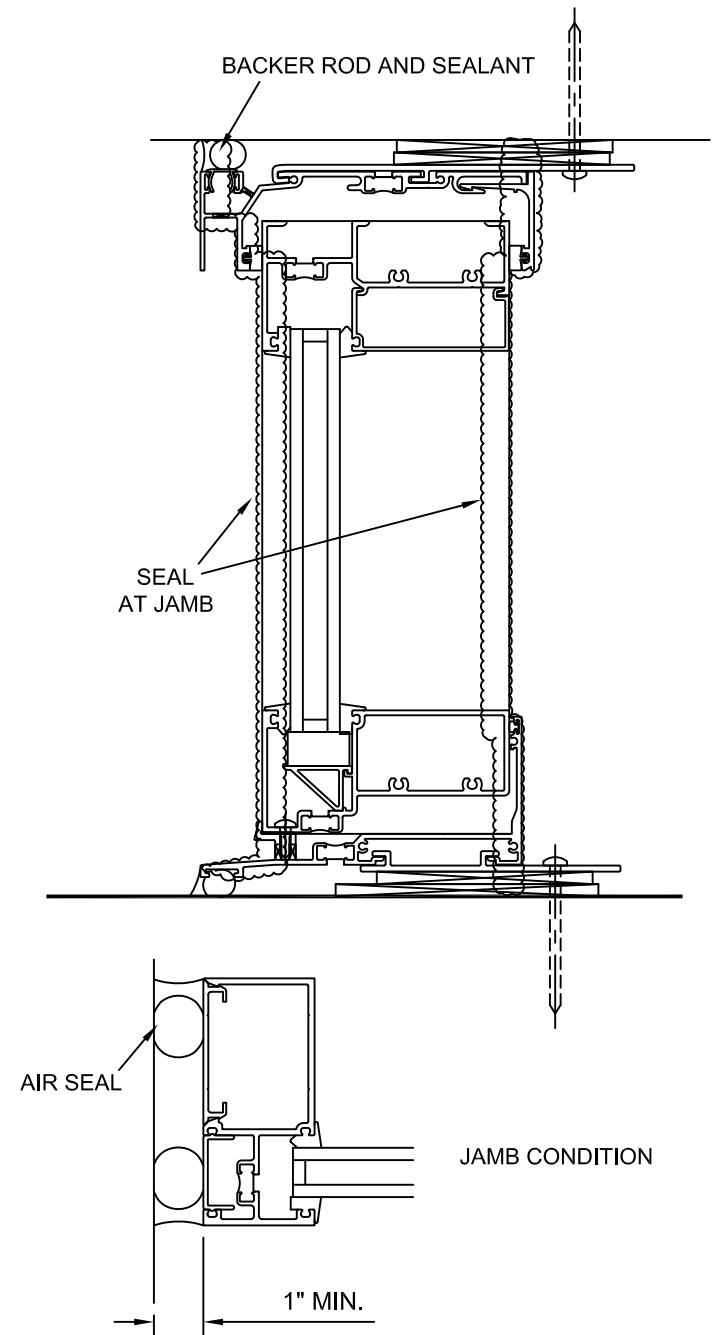
**STEP - 32 INSTALL PERIMETER WEATHER SEALS**



**STEP - 32 INSTALL PERIMETER WEATHER SEALS**



**STEP - 33 INSTALL PERIMETER WEATHER SEALS (OPTIONAL PUNCH OPENING)**



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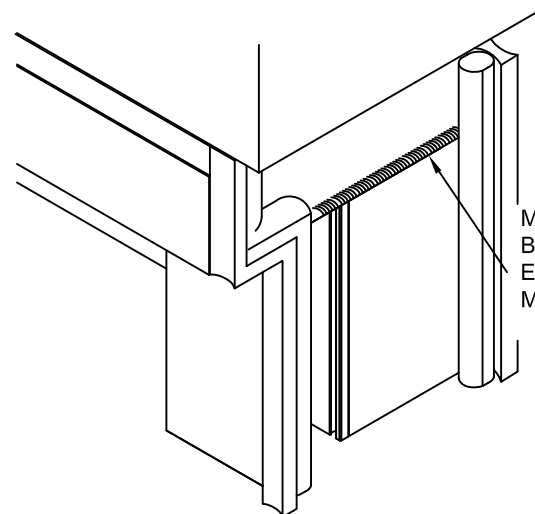
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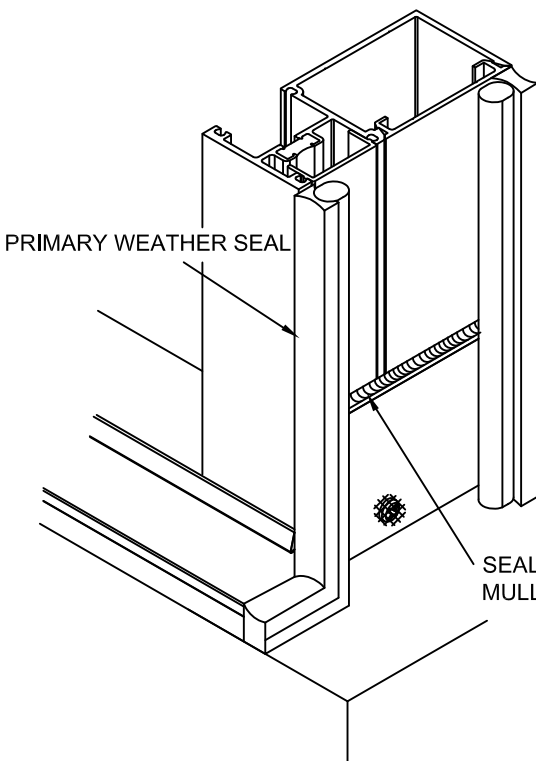
**STEP - 33 INSTALL PERIMETER WEATHER SEALS (OPTIONAL PUNCH OPENING)**

HEAD CONDITION



MAKE SURE TO SEAL BETWEEN END DAM AND JAMB MULLION

SILL CONDITION

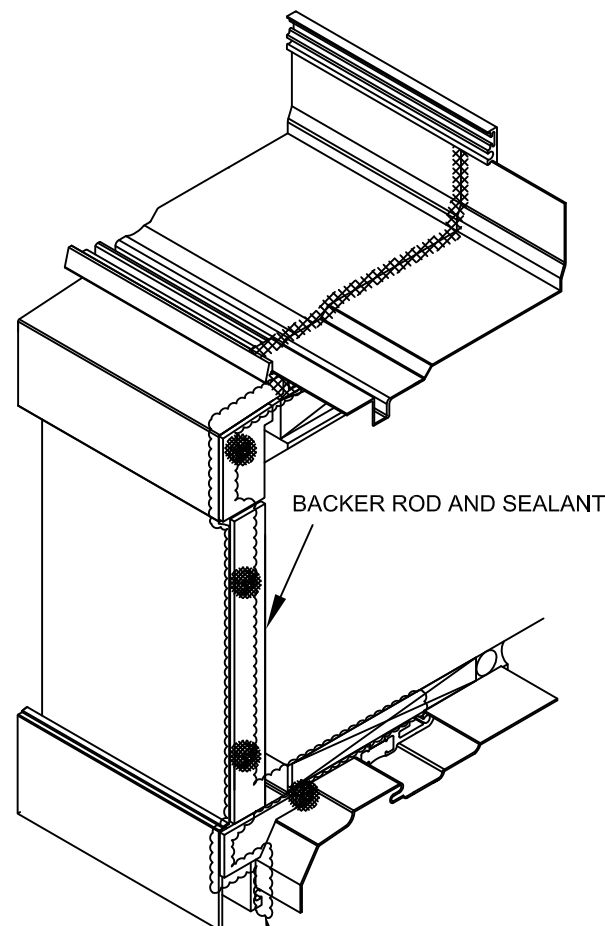


SEAL END DAM AND JAMB MULLION

**STEP - 34 EXTERIOR PERIMETER SEALANT AT SLAB EDGE COVER SPLICE**

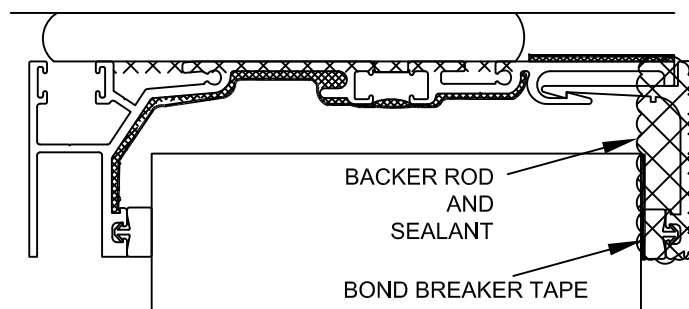
SLAB EDGE COVER SPLICE IS TO BE LOCATED AT SILL RECEPTOR AND HEAD RECEPTOR SPLICE LOCATION.

MAKE SURE ALL NOSE CAPS AND END DAMS ARE INSTALLED TO END OF MEMBERS AT SPLICE LOCATION.



MARRY SEALANT TO GLAZING GASKET AND SILICONE SPLICE SLEEVE AT HEAD RECEPTOR

AT RECEPTOR STOP, APPLY BOND BREAKER TAPE AT BACK OF MULLION BEFORE FILLING SPLICE JOINT WITH BACKER ROD AND SEALANT. MAKE SURE TO TIE SEALANT WITH FIXED GASKETS

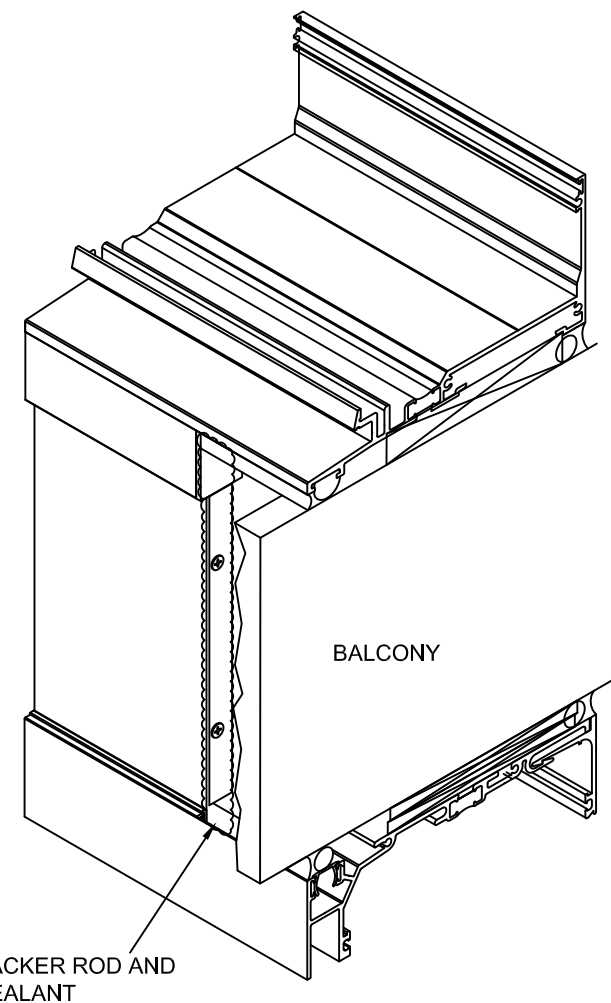


BACKER ROD AND SEALANT

BOND BREAKER TAPE

**STEP - 34 EXTERIOR PERIMETER SEALANT AT BALCONY**

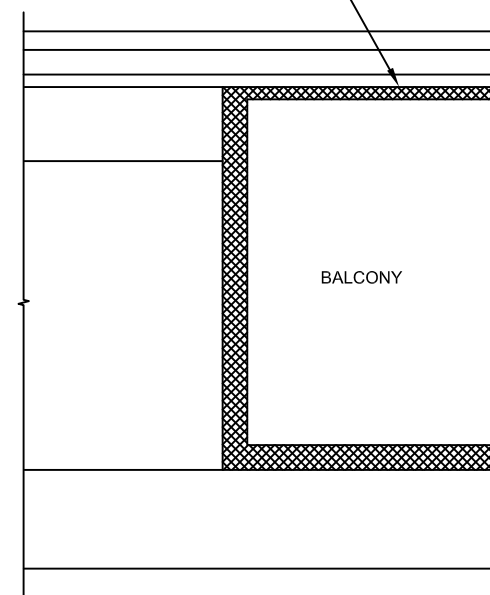
MAKE SURE ALL NOSE CAPS AND END DAMS ARE INSTALLED TO END OF MEMBERS AT BALCONY LOCATION.



BALCONY

BACKER ROD AND SEALANT

MARRY SEALANT AT BALCONY



BALCONY

**STEP - 35 REGLAZING**

REMOVE WEDGE GASKET AROUND LITE USING WIRE HOOK, AS SHOWN. START AT CORNER, HOOK END OF WEDGE GASKET AND CAREFULLY PULL WEDGE GASKET OUT.

PUSH-IN 4" LONG 027851 WEDGE GASKET AT MULLIONS TO TEMPORARILY SECURE GLASS.

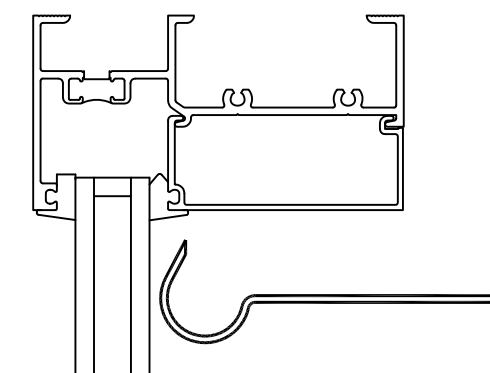
CUT AWAY SEALANT AT GLASS STOP AND REMOVE GLASS STOP.

SECURE GLASS, REMOVE TEMPORARIES AND REMOVE GLASS.

REMOVE SETTING BLOCKS AND W - SIDE BLOCK. SHALLOW SIDE BLOCK AND WATER DEFLECTOR WILL REMAIN IN PLACE.

CLEAN REMAINING SEALANT FROM HORIZONTALS AND MULLION HALVES.

FOLLOW ASSEMBLY INSTRUCTIONS TO REPLACE LITE.



HEAD CONDITION SHOWN  
OTHER LOCATIONS SIMILAR



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