

## 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 TO DRY OR PERMANENT STAINING WILL OCCUR.

### 2 - GENERAL RULES

THE FOLLOWING PRACTICES ARE RECOMMENDED FOR ALL WALL INSTALLATIONS.

A - READ COMPLETE INSTRUCTIONS BEFORE ORDERING GLASS OR FABRICATING MATERIAL.

B - CHECK SHOP DRAWINGS TO BECOME THOROUGHLY FAMILIAR WITH THE JOB.

C - ALL MATERIALS ARE TO BE INSTALLED PLUMB, LEVEL AND TRUE.

D - ALL WORK SHOULD START FROM ESTABLISHED BENCH MARKS AND COLUMN CENTER LINES ESTABLISHED BY THE ARCHITECTURAL DRAWINGS AND THE GENERAL CONTRACTOR.

E - THE SEQUENCE OF ERECTION SHOULD BE COORDINATED WITH THE JOB SUPERINTENDENT SO DELAYS ARE PREVENTED AND RISK OF MATERIAL DAMAGE IS MINIMIZED. IF PRESETTING OF ANCHORAGE IS REQUIRED, COORDINATE WITH GENERAL CONTRACTOR AND SUPERVISE LOCATION.

F - MAKE CERTAIN CONSTRUCTION WHICH WILL RECEIVE YOUR MATERIALS IS ACCORDING TO THE CONTRACT DOCUMENTS. IF NOT, NOTIFY THE GENERAL CONTRACTOR IN WRITING AND RESOLVE DIFFERENCES BEFORE PROCEEDING WITH YOUR WORK.

G - INSULATE ALL ALUMINUM TO BE PLACED DIRECTLY IN CONTACT WITH THE MASONRY OR INCOMPATIBLE MATERIALS WITH A HEAVY COAT OF ZINC CHROMATE OR BITUMINOUS PAINT.

H - FOLLOW KAWNEER INSTALLATION AND GLAZING INSTRUCTIONS.

J - CHECK ALL MATERIAL ON ARRIVAL FOR QUANTITY.

K - BE SURE TO HAVE ALL THE MATERIALS AND TOOLS NEEDED TO BEGIN THE INSTALLATION.

- 1 - APPROVED SHOP DRAWINGS
- 2 - LEVEL AND PLUMB (TRANSIT)
- 3 - FASTENERS AND REQUIRED DRIVERS.
- 4 - PERIMETERS AND ACCESSORIES SUCH AS ANCHORS, FASTENERS, SLEEVES AND/OR SPLICE CAPS.
- 5 - SEALING MATERIALS.
- 6 - GLAZING MATERIALS.

L - FOLLOW SEALANT MANUFACTURER'S RECOMMENDATIONS FOR PROPER SEALANT AND APPLICATION. ALL SEALANTS AND MASTICS MUST BE COMPATIBLE WITH ALL SURFACES INCLUDING OTHER SEALANT SURFACES. WHERE REQUIRED ALL SEALANTS MUST ADHERE TO ALL SURFACES INCLUDING OTHER SEALANT SURFACES.

### 1600 SYSTEM 5

1600 SYSTEM 5 IS AVAILABLE WITH 1" FRAMING MEMBERS WHICH ACCEPT BOTH 1" AND 1/4" INFILLS.

1600 SYSTEM 5 IS DESIGNED AS AN INTERIOR GLAZED SYSTEM. EXTERIOR GLAZING IS A OPTION. SEE EXTERIOR GLAZING STEPS.

GLASS BITE IS 7/16" AT VERTICALS.

GLASS BITE IS 7/16" AT HORIZONTALS.

GLASS SIZES MUST BE CALCULATED FROM APPROVED SHOP DRAWINGS. GASKET ASSEMBLIES ARE PREFERRED REFERENCE SHEET #12.

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, THERMAL SEPARATOR AND JOINT PLUG MATERIALS. CLEAN ALL SURFACES PRIOR TO APPLICATION OF SEALANT AND PRIME WHERE NECESSARY TO ACHIEVE PROPER ADHESION.

## CHECK OPENINGS

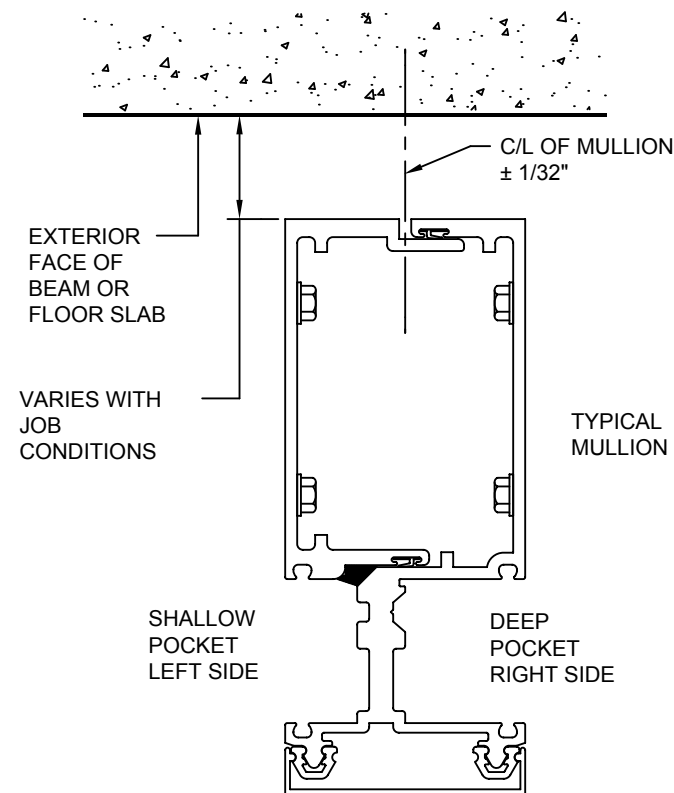
ELEVATIONS AND SLABS MUST BE WITHIN ADJUSTMENT OF ANCHORING SYSTEM. SEE APPROVED SHOP DRAWINGS FOR ALLOWABLE ADJUSTMENT.

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.

## LAY OUT ANCHOR AND MULLION CENTERLINES

USE WALL LINES ESTABLISHED BY THE GENERAL CONTRACTOR. ON 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.



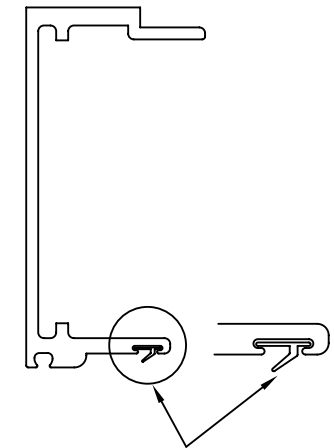
NOTE POSITION OF SHALLOW AND DEEP POCKETS IF IMPORTANT FOR GLAZING

SEE APPROVED SHOP DRAWINGS FOR ANCHOR LAYOUTS

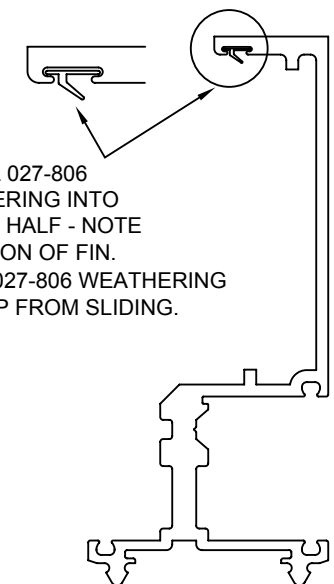
THESE INSTRUCTIONS SHOW THE 6" SYSTEM. THE 7 1/2" SYSTEM IS SIMILAR

## FRAME ASSEMBLY

INSTALL 027-806 WEATHERING



INSTALL 027-806 WEATHERING INTO MALE HALF - NOTE DIRECTION OF FIN. STAKE 027-806 WEATHERING TO KEEP FROM SLIDING.



INSTALL 027-806 WEATHERING INTO FEMALE HALF - NOTE DIRECTION OF FIN. STAKE 027-806 WEATHERING TO KEEP FROM SLIDING.

**KAWNEER** 1600 SYSTEM 5

INSTALLATION - MALE/FEMALE  
VERTICAL - INTERIOR/EXTERIOR  
GLAZED

PART NUMBER  
166-977 1 OF 14

95488-31  
07/25/07

DRAWING:

ORDER:

SHT:

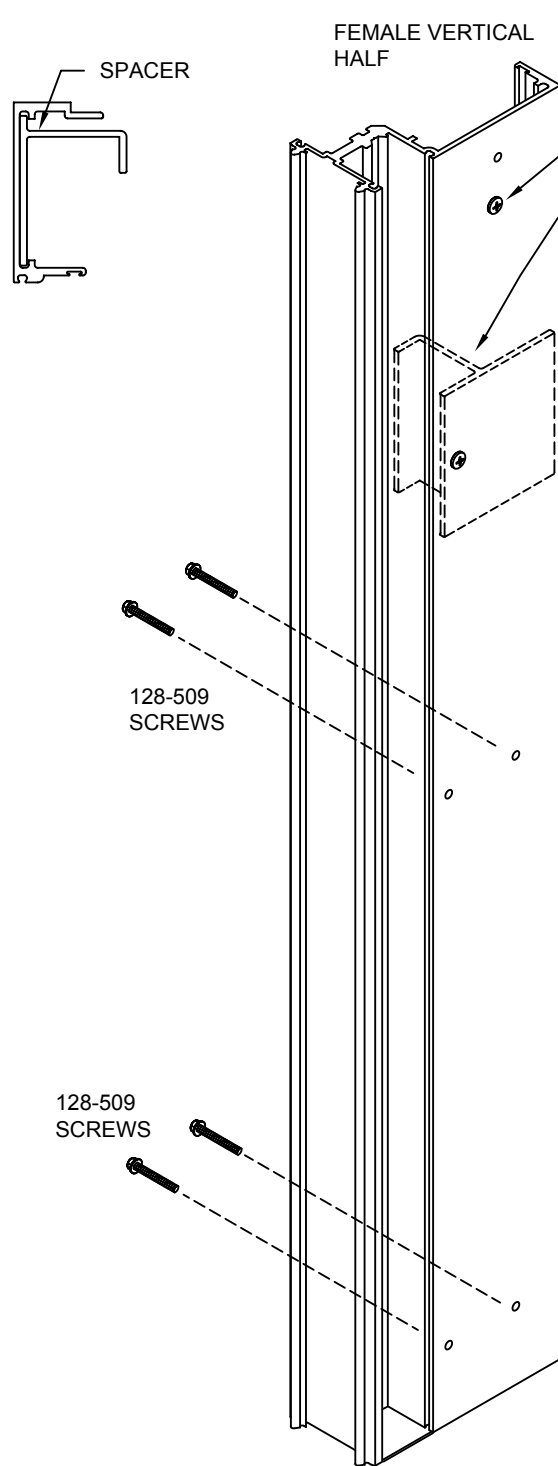
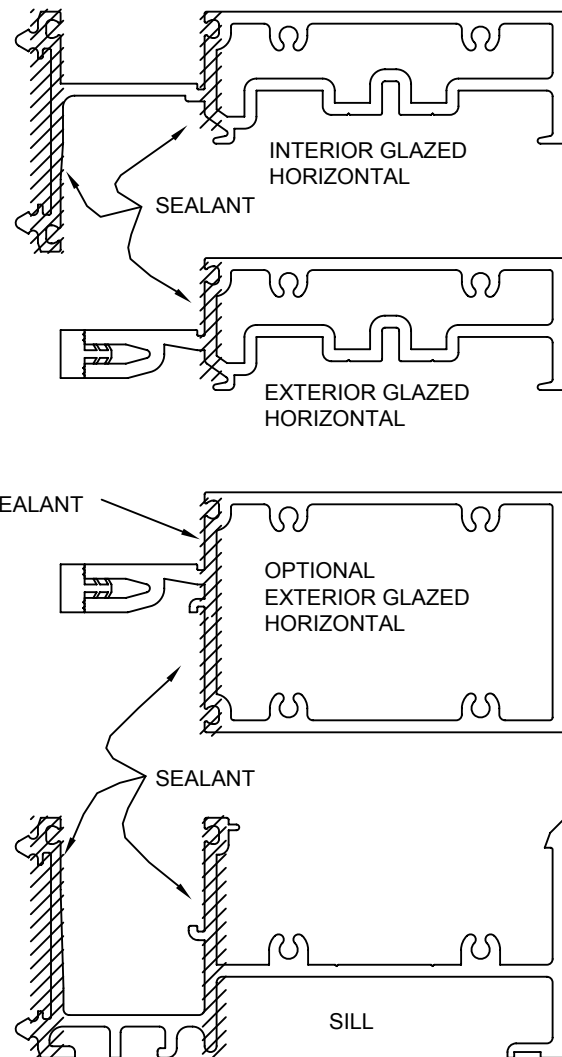
### FRAME ASSEMBLY

AT SINGLE LITE RIBBON APPLICATIONS MORE THAN 4' IN HEIGHT, APPLY ONE 166-320 SPACER (6" SYSTEM) OR 166-306 SPACER (7 1/2" SYSTEM) AT APPROX. CENTER OF DLO HEIGHT. STAKE INTO PLACE. APPLY SPACER PRIOR TO HORIZONTAL ATTACHMENT.

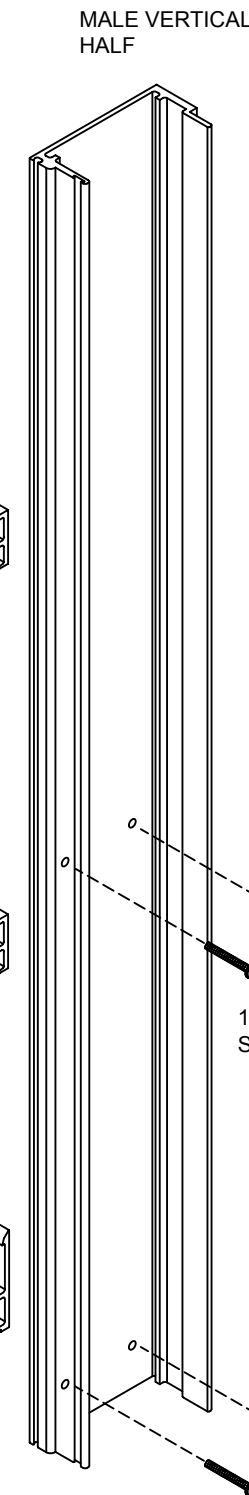
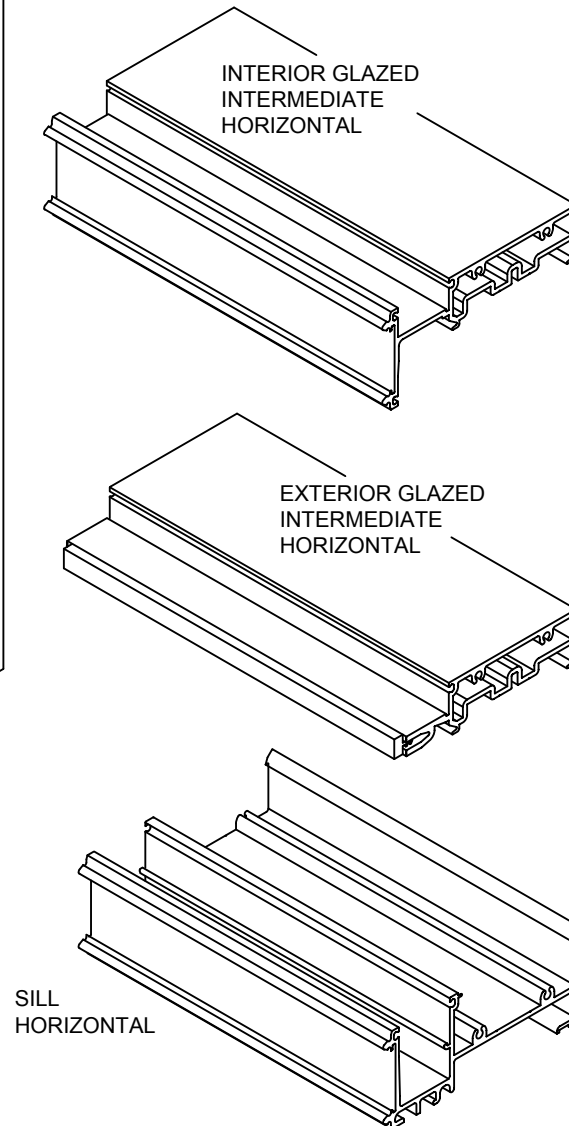
ASSEMBLE VERTICALS TO HORIZONTALS USING 128-509 SCREWS #12 x 1" HEX WASHER HEAD TYPE AB

FRAME IS SHOWN IN UPRIGHT POSITION BUT MAY BE ASSEMBLED IN ANY DESIRABLE POSITION.

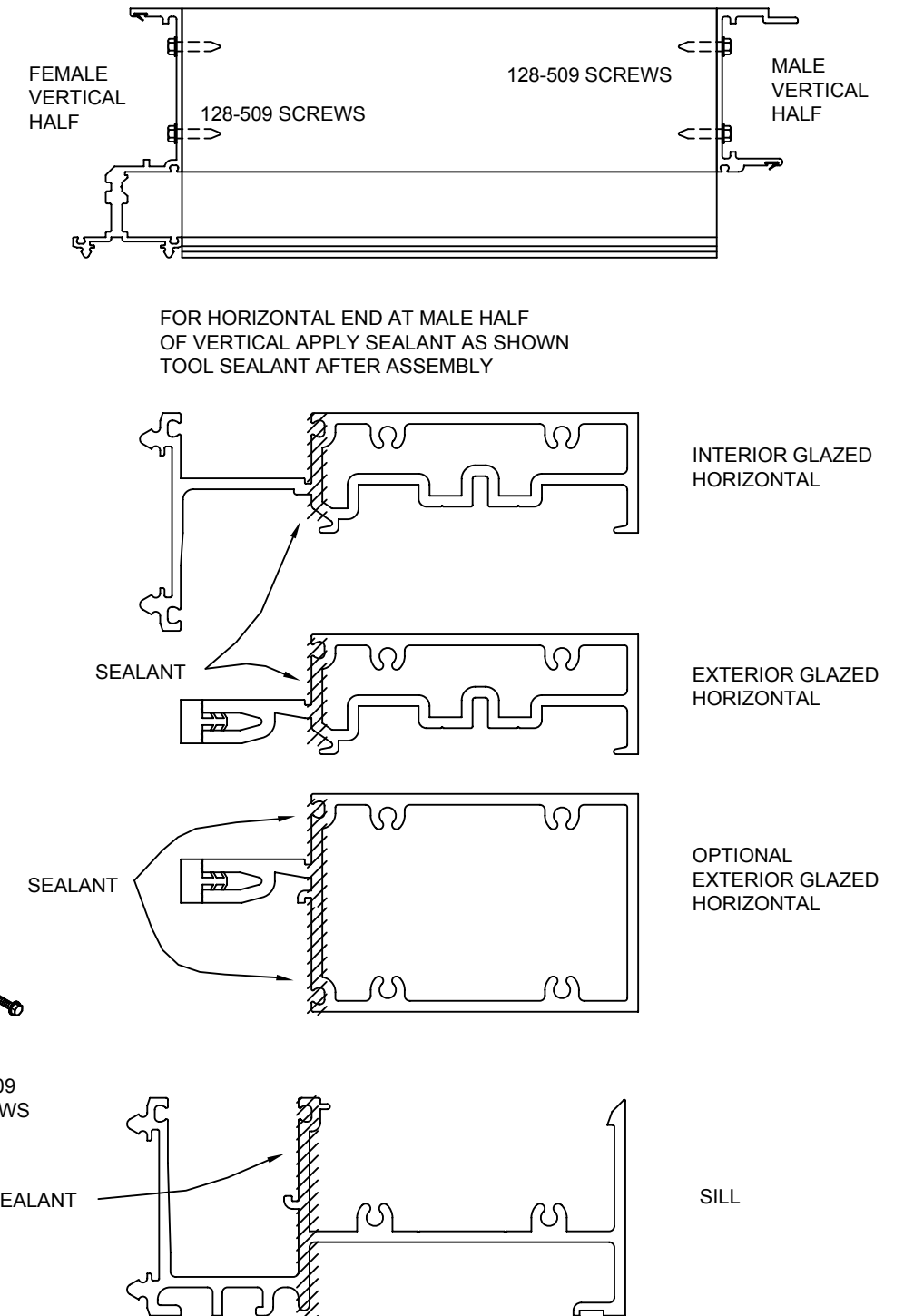
FOR HORIZONTAL END AT FEMALE HALF OF VERTICAL APPLY SEALANT AS SHOWN TOOL SEALANT AFTER ASSEMBLY



SPLICE PREP  
REFERENCE FABRICATION INSTRUCTIONS  
INSTALL 128-400 SLEEVE STOP SCREW #12 x 2 1/4" PAN HD TYPE B  
ANCHOR BACKUP INSTALL USING SCREW 128-405 (#12 x 7/8" FL HD TYPE AB) AT 6" SYSTEM 128-293 (#12 x 5/8" PAN HD TYPE AB) AT 7 1/2" SYSTEM  
REFERENCE SHEET 7 THESE INSTRUCTIONS



### ASSEMBLED UNIT



<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	95488-31 07/25/07
	DRAWING:
	ORDER:
	SHT:

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**FRAME ASSEMBLY**

ANCHOR BACKUP INSTALL USING SCREW  
 128-405 ( #12 x 7/8" FL HD TYPE AB) AT 6" SYSTEM  
 128-293 ( #12 x 5/8" PAN HD TYPE AB) AT 7 1/2" SYSTEM  
**REFERENCE SHEET 7 THESE INSTRUCTIONS**

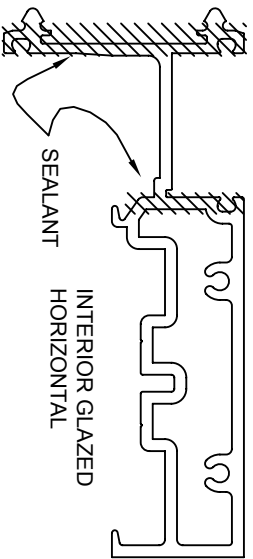
FEMALE VERTICAL  
 HALF

SPLICE PREP REFERENCE  
 FABRICATION INSTRUCTIONS

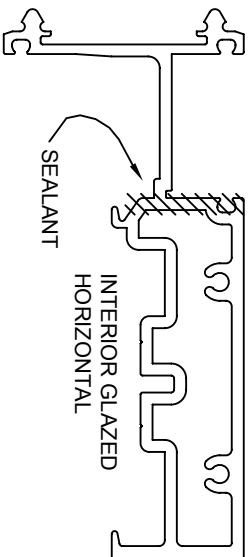
INSTALL 128-400 SLEEVE STOP SCREW  
 #12 x 2 1/4" PAN HD TYPE B

128-509  
 SCREWS

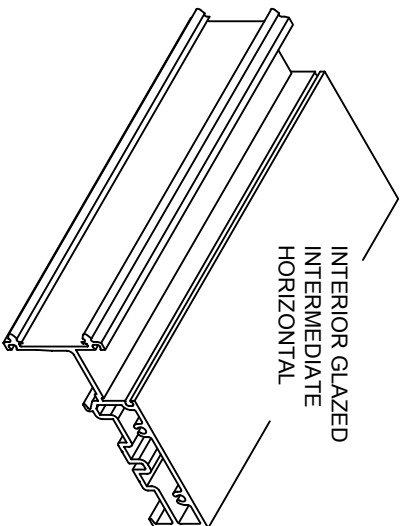
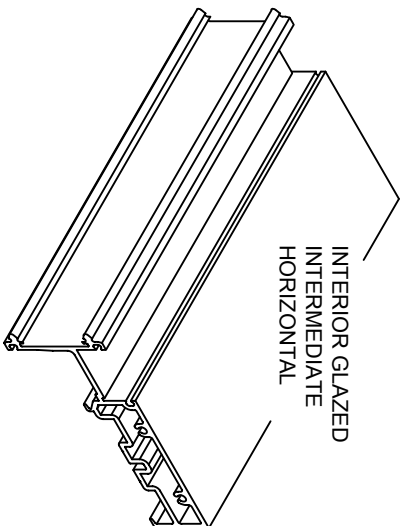
FOR HORIZONTAL END AT FEMALE HALF  
 OF VERTICAL APPLY SEALANT AS SHOWN  
 TOOL SEALANT AFTER ASSEMBLY



FOR HORIZONTAL END AT MALE HALF  
 OF VERTICAL APPLY SEALANT AS SHOWN  
 TOOL SEALANT AFTER ASSEMBLY

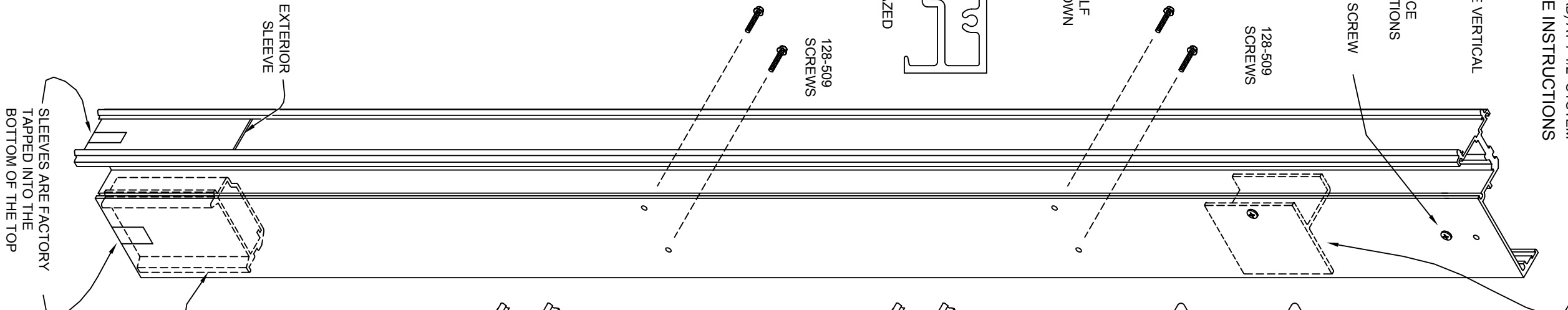


ASSEMBLE VERTICALS TO HORIZONTALS  
 USING 128-509 SCREWS  
 #12 x 1" HEX WASHER HD TYPE AB

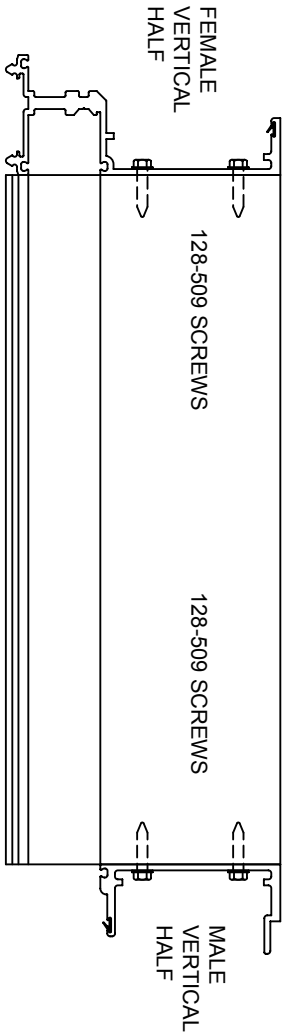


128-509  
 SCREWS

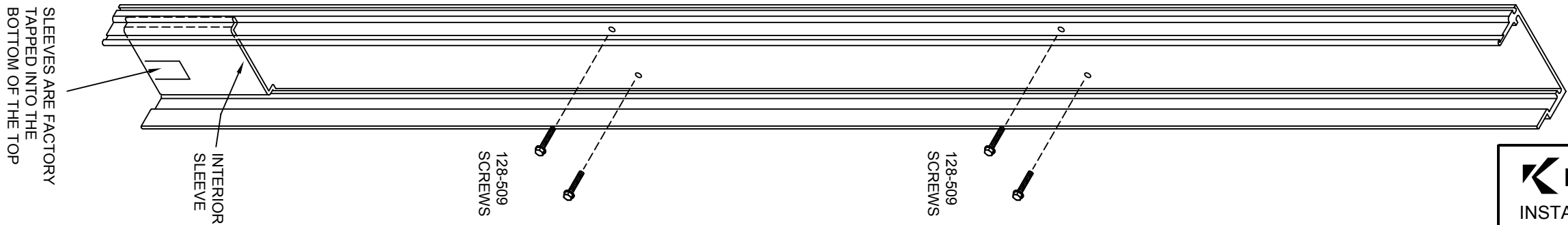
128-509  
 SCREWS



ASSEMBLED UNIT



MALE  
 VERTICAL  
 HALF



**KAWNEER** 1600 SYSTEM 5  
 INSTALLATION - MALE/FEMALE  
 VERTICAL - INTERIOR/EXTERIOR  
 GLAZED

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ORDER:

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**FRAME ASSEMBLY**

ANCHOR BACKUP INSTALL USING SCREW  
 128-405 (#12 x 7/8" FL HD TYPE AB) AT 6" SYSTEM  
 128-293 (#12 x 5/8" PAN HD TYPE AB) AT 7 1/2" SYSTEM  
**REFERENCE SHEET 7 THESE INSTRUCTIONS**

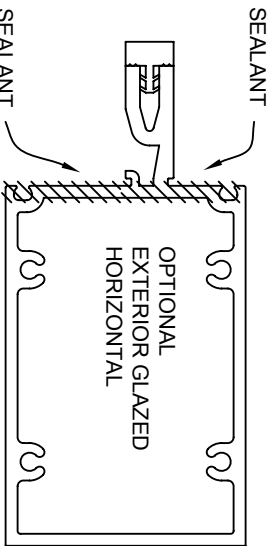
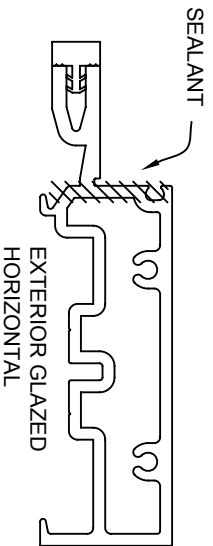
FEMALE VERTICAL  
 HALF

SPLICE PREP REFERENCE  
 FABRICATION INSTRUCTIONS

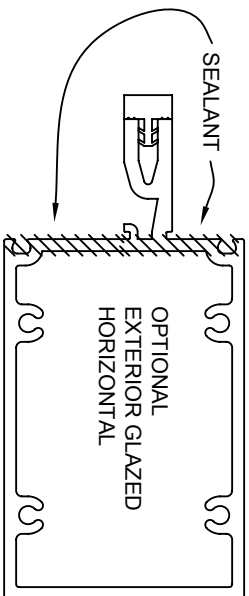
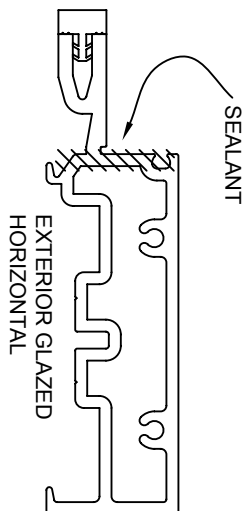
INSTALL 128-400 SLEEVE STOP SCREW  
 #12 x 2 1/4" PAN HD TYPE B

128-509  
 SCREWS

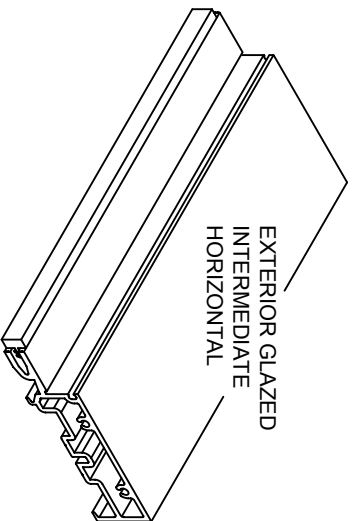
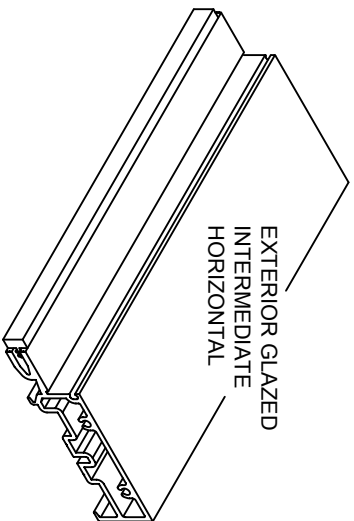
FOR HORIZONTAL END AT FEMALE HALF  
 OF VERTICAL APPLY SEALANT AS SHOWN  
 TOOL SEALANT AFTER ASSEMBLY



FOR HORIZONTAL END AT MALE HALF  
 OF VERTICAL APPLY SEALANT AS SHOWN  
 TOOL SEALANT AFTER ASSEMBLY

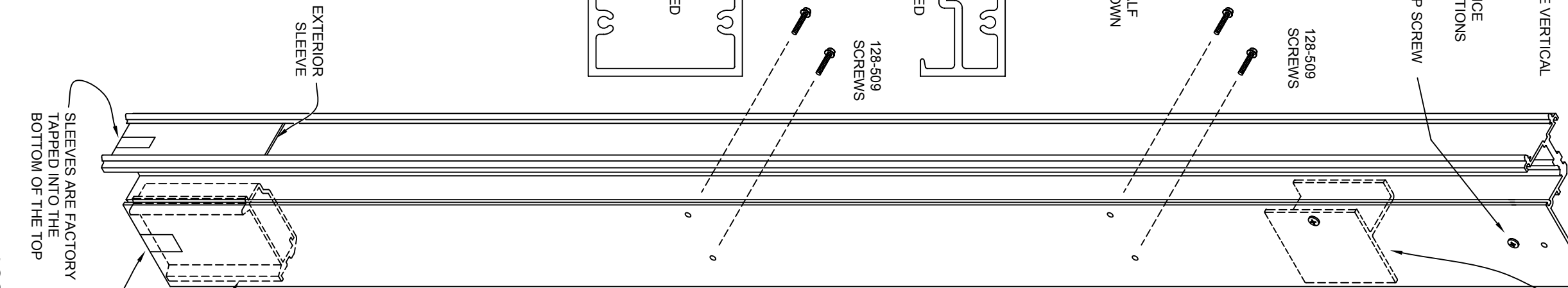


ASSEMBLE VERTICALS TO HORIZONTALS  
 USING 128-509 SCREWS  
 #12 x 1" HEX WASHER HD TYPE AB

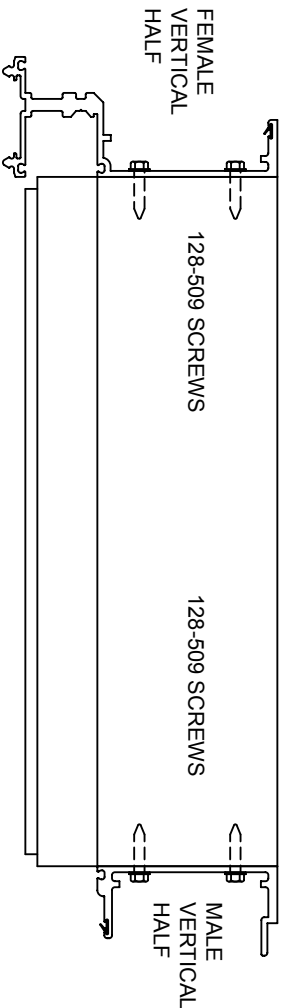


128-509  
 SCREWS

128-509  
 SCREWS



ASSEMBLED UNIT



**KAWNEER** 1600 SYSTEM 5  
 INSTALLATION - MALE/FEMALE  
 VERTICAL - INTERIOR/EXTERIOR  
 GLAZED

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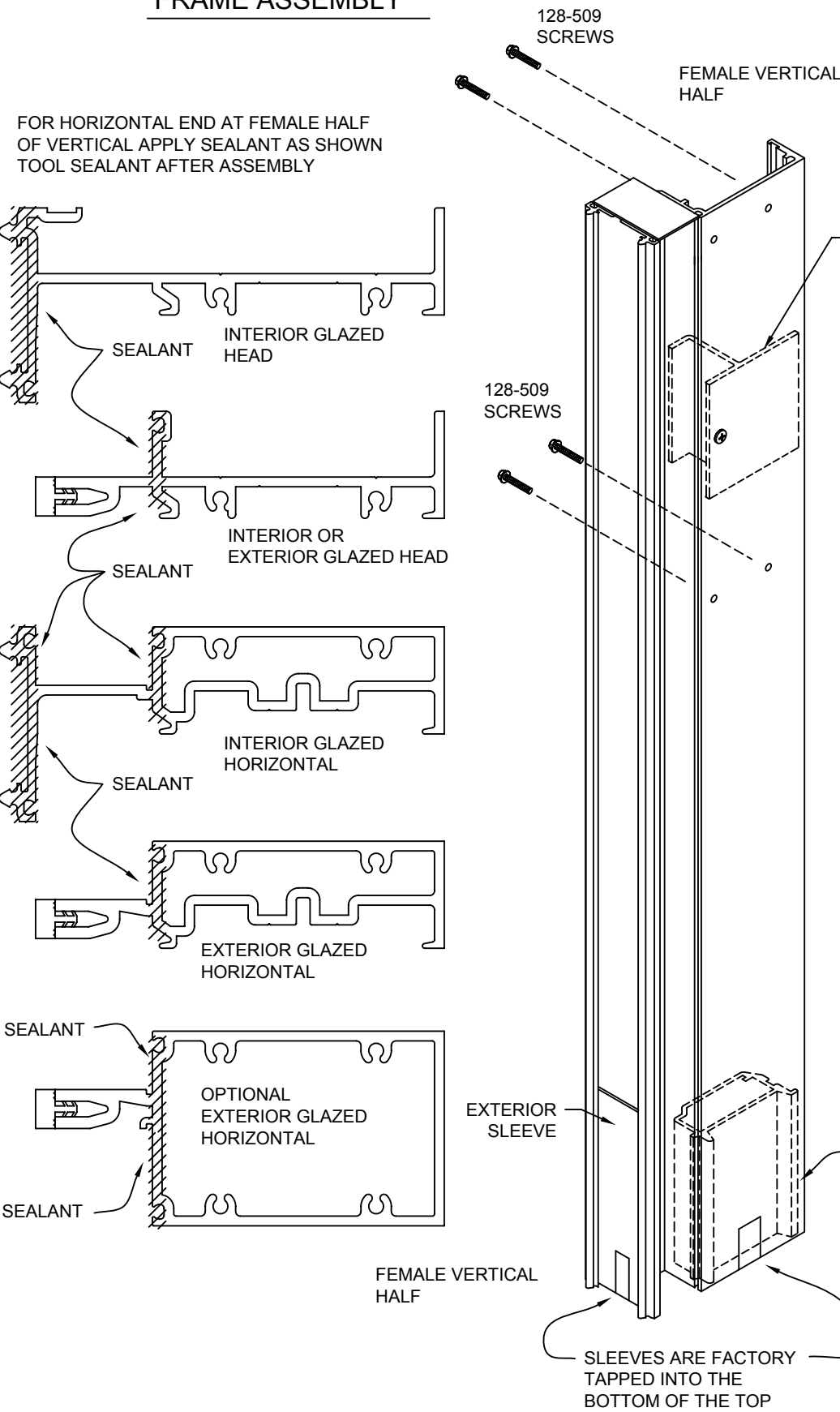
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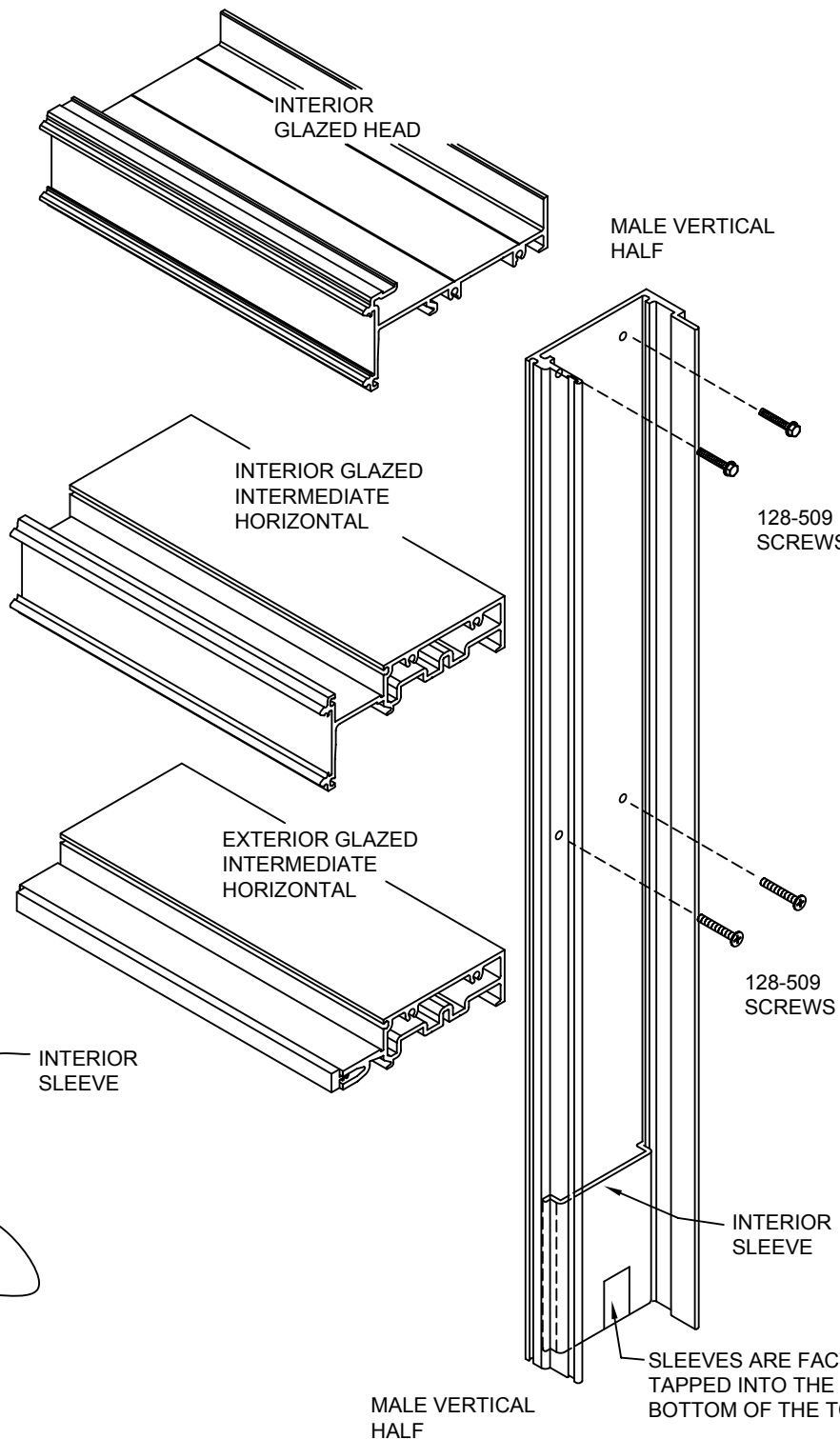
**FRAME ASSEMBLY**



ASSEMBLE VERTICALS TO HORIZONTALS

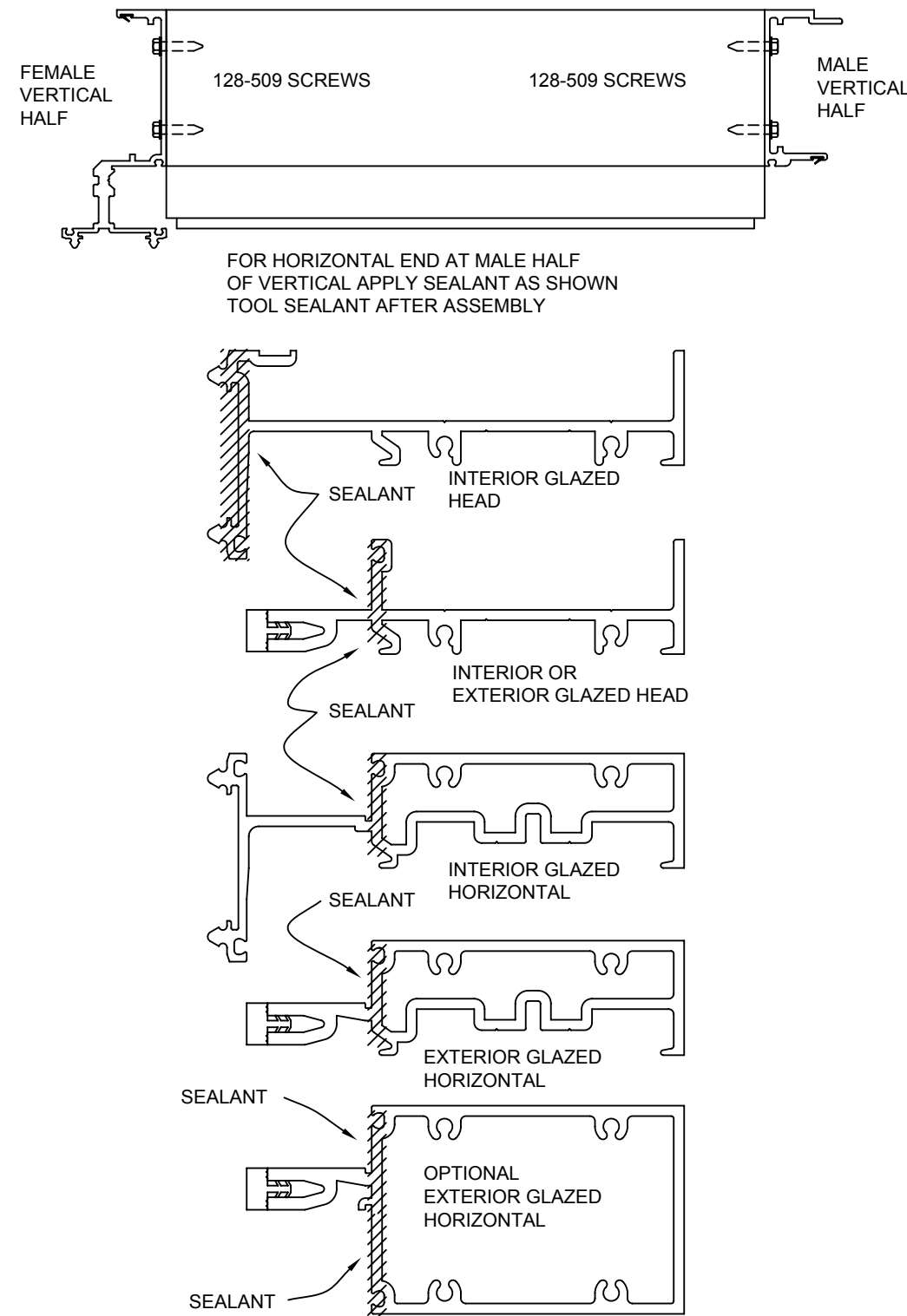
USING 128-509 SCREWS  
#12 x 1" HEX WASHER HD TYPE AB

ANCHOR BACKUP INSTALL USING SCREW  
128-405 (#12 x 7/8" FL HD TYPE AB) AT 6" SYSTEM  
128-293 (#12 x 5/8" PAN HD TYPE AB) AT 7 1/2" SYSTEM  
REFERENCE SHEET 7 THESE INSTRUCTIONS



FRAME IS SHOWN IN UPRIGHT POSITION  
BUT MAY BE ASSEMBLED IN ANY  
DESIRABLE POSITION.

**ASSEMBLED UNIT**



**KAWNEER** 1600 SYSTEM 5  
INSTALLATION - MALE/FEMALE  
VERTICAL - INTERIOR/EXTERIOR  
GLAZED

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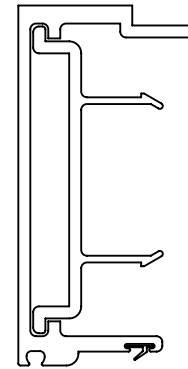
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**FRAME ASSEMBLY**

WHERE REQUIRED SLIDE ANTI-BUCKLING CLIPS INTO PLACE  
FACTORY TO VERIFY IF CLIPS ARE REQUIRED AND LOCATIONS OF CLIPS WITH CALCULATIONS

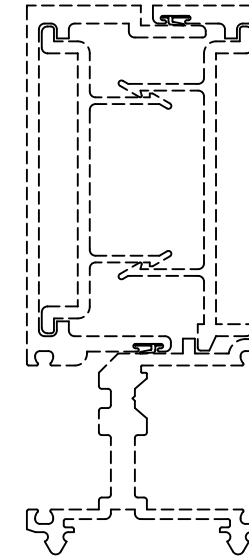
WHEN ANTI-BUCKLING CLIPS ARE REQUIRED THEY NORMALLY WILL BE LOCATED AT THE CENTER OF A DAYLITE OPENING HEIGHT. BUT VERY HIGH LOADS COULD REQUIRE MORE CLIPS.

MALE VERTICAL

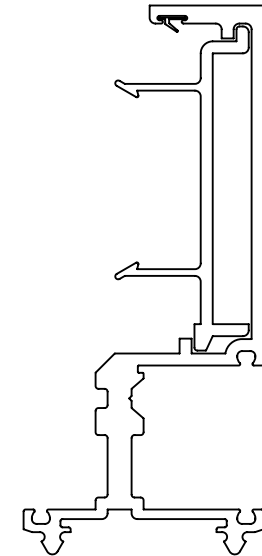


MALE ANTI-BUCKLING  
CLIP 166-351 6" SYSTEM  
CLIP 166-353 7 1/2" SYSTEM  
STAKE OR SEAL  
INTO PLACE

INSTALLED POSITION



FEMALE VERTICAL

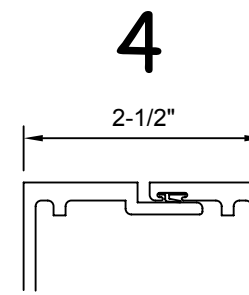
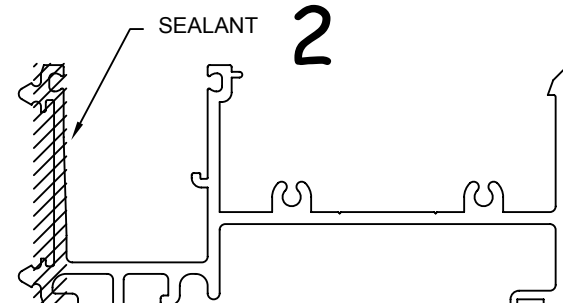
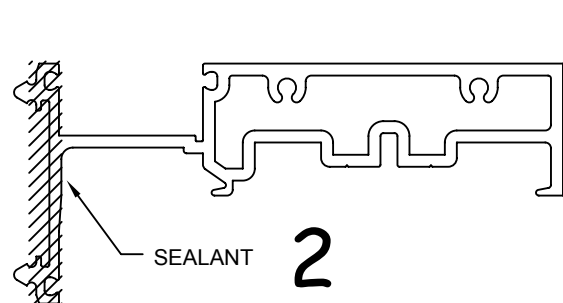
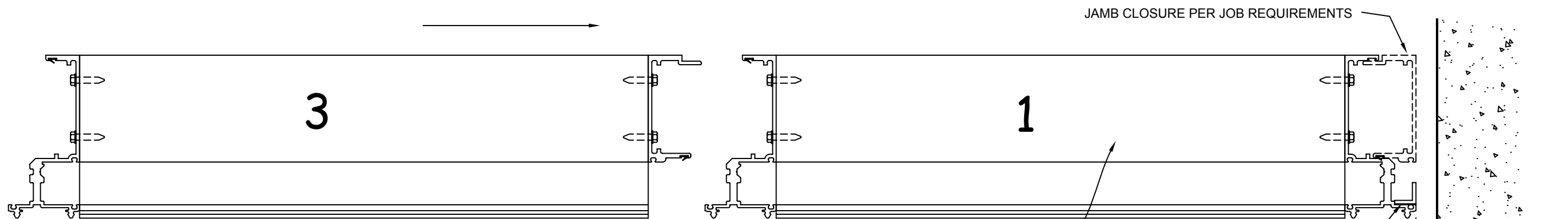


FEMALE ANTI-BUCKLING  
CLIP 166-350 6" SYSTEM  
CLIP 166-352 7 1/2" SYSTEM  
STAKE OR SEAL  
INTO PLACE

**INSTALL UNITS**

ANCHORING WILL VARY PER JOB - REFERENCE APPROVED SHOP DRAWINGS AND  
ANCHOR / VERTICAL SPLICE DETAILS SHOWN ON NEXT SHEETS #7 AND #8

- 1** POSITION FIRST UNIT INTO PLACE AND ANCHOR PER JOB CONDITIONS
- 2** BEFORE INSTALLING NEXT UNIT APPLY SEALANT TO HORIZONTAL AND SILL ( HEAD IS SEALED LATER ) TOOL SEALANT AFTER ASSEMBLY
- 3** INSTALL THE NEXT UNITS AND ANCHOR INTO PLACE
- 4** MAINTAIN 2 1/2" DIMENSION AND GAP BETWEEN VERTICALS DURING ERECTION OF UNITS

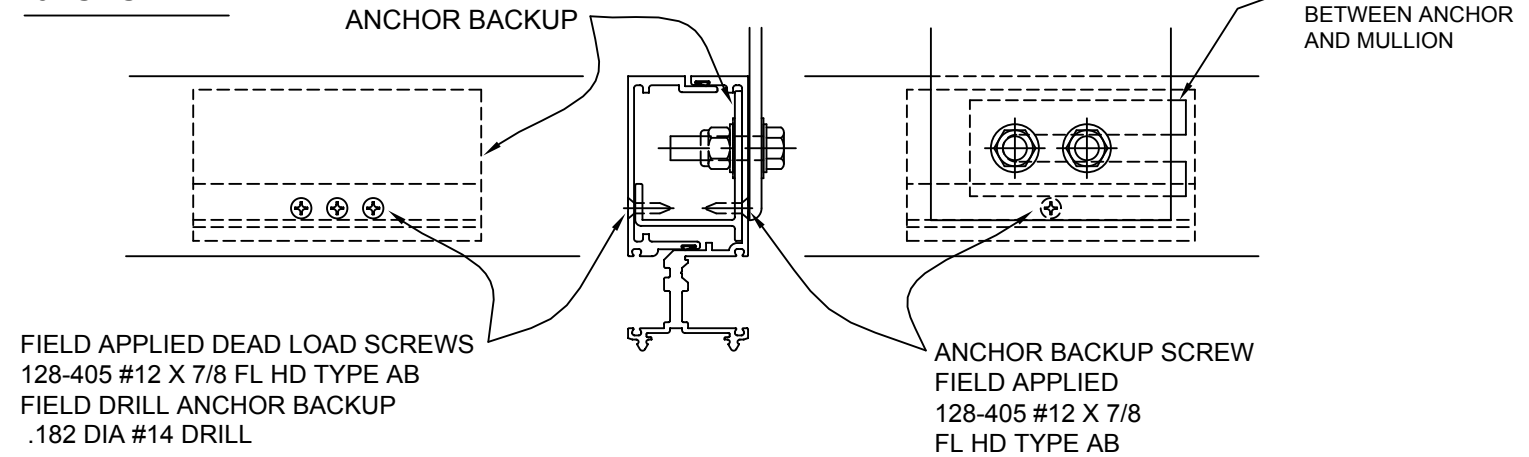


<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	PART NUMBER 166-977 6 OF 14
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**ANCHOR BACKUP DETAILS**

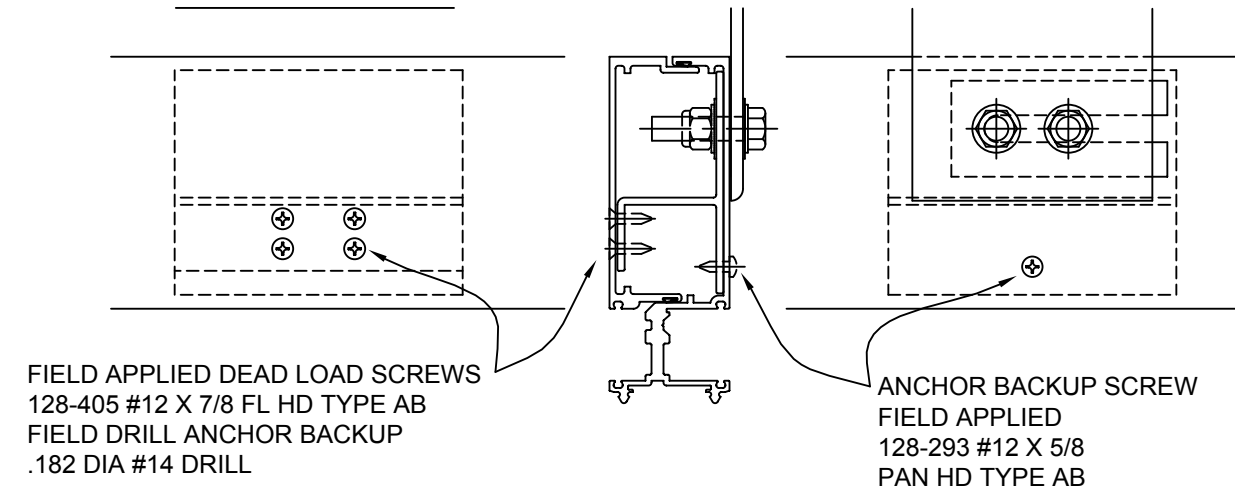
SEE APPROVED SHOP DRAWINGS FOR ANCHOR DETAIL

**6" SYSTEM**



NOTE DEAD LOAD SCREWS OCCUR AT DEAD LOAD ANCHORS ONLY

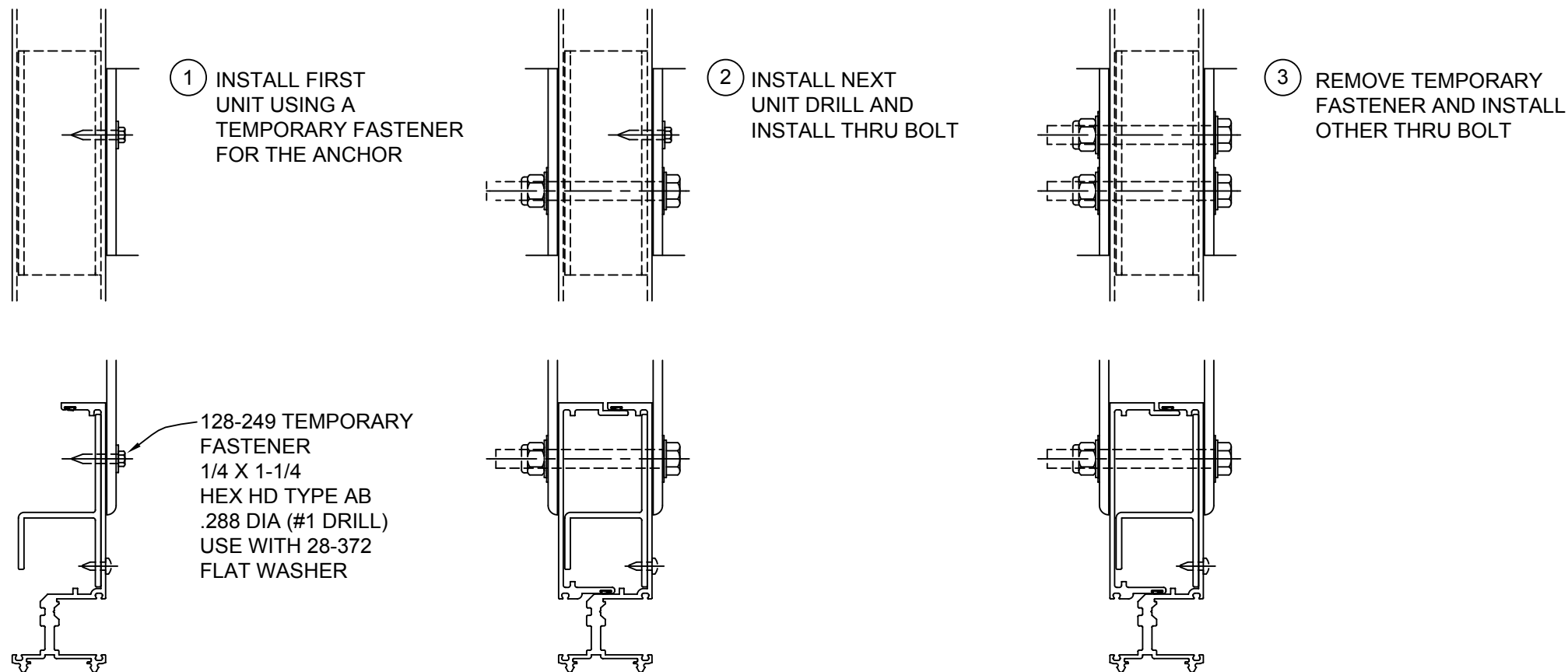
**7-1/2" SYSTEM**



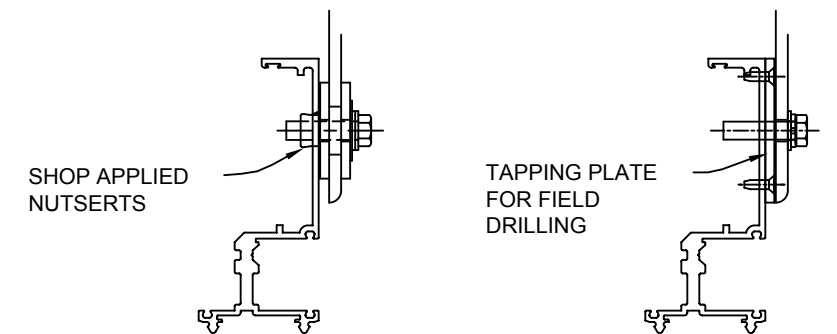
NOTE DEAD LOAD SCREWS OCCUR AT DEAD LOAD ANCHORS ONLY

**DOUBLE ANCHORS CAN BE USED AT EXTERIOR GLAZING ONLY**

SEE APPROVED SHOP DRAWINGS FOR ANCHOR DETAIL



**OPTIONAL JAMB ANCHORS**



**KAWNEER** 1600 SYSTEM 5  
 INSTALLATION - MALE/FEMALE  
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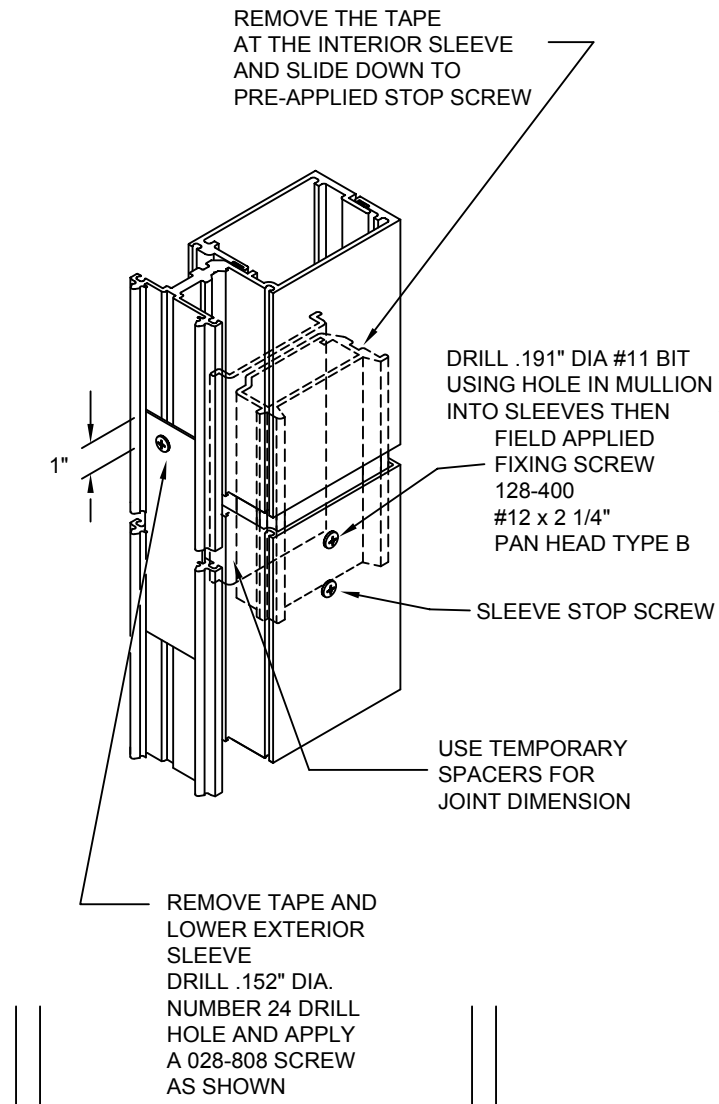
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**SPLICE JOINT DETAILS**

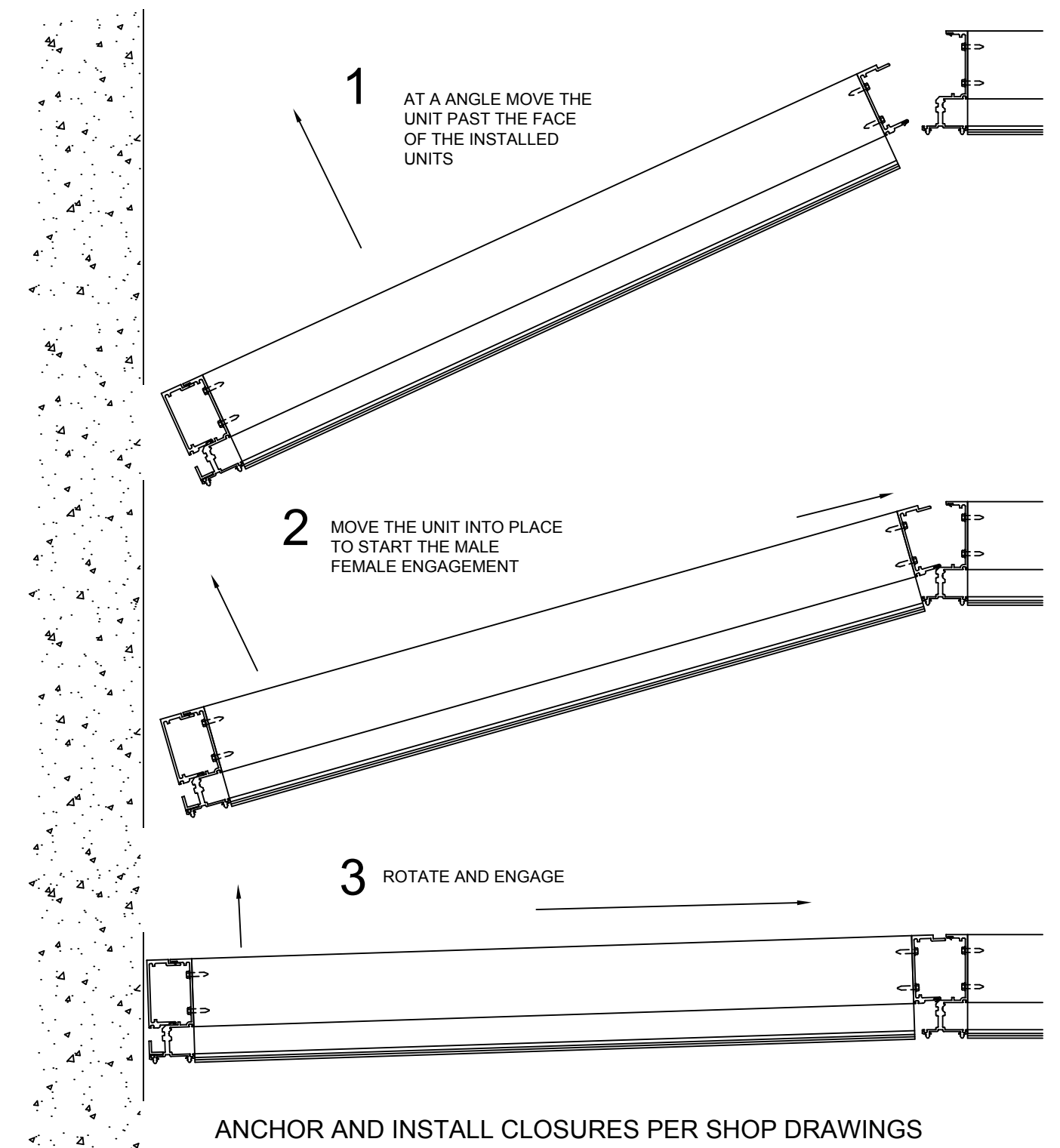
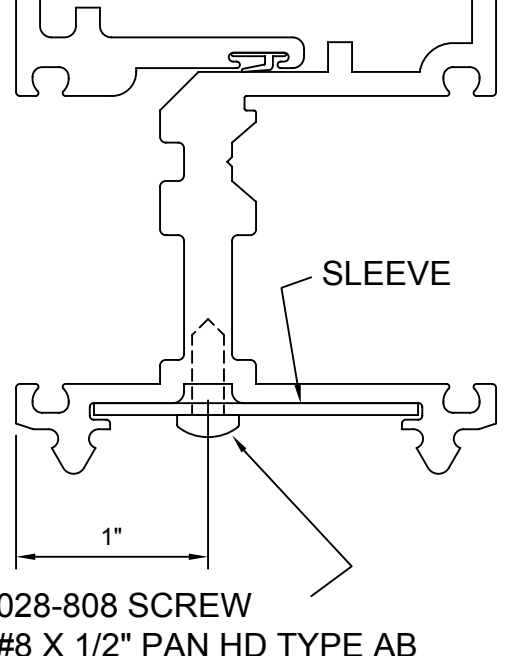
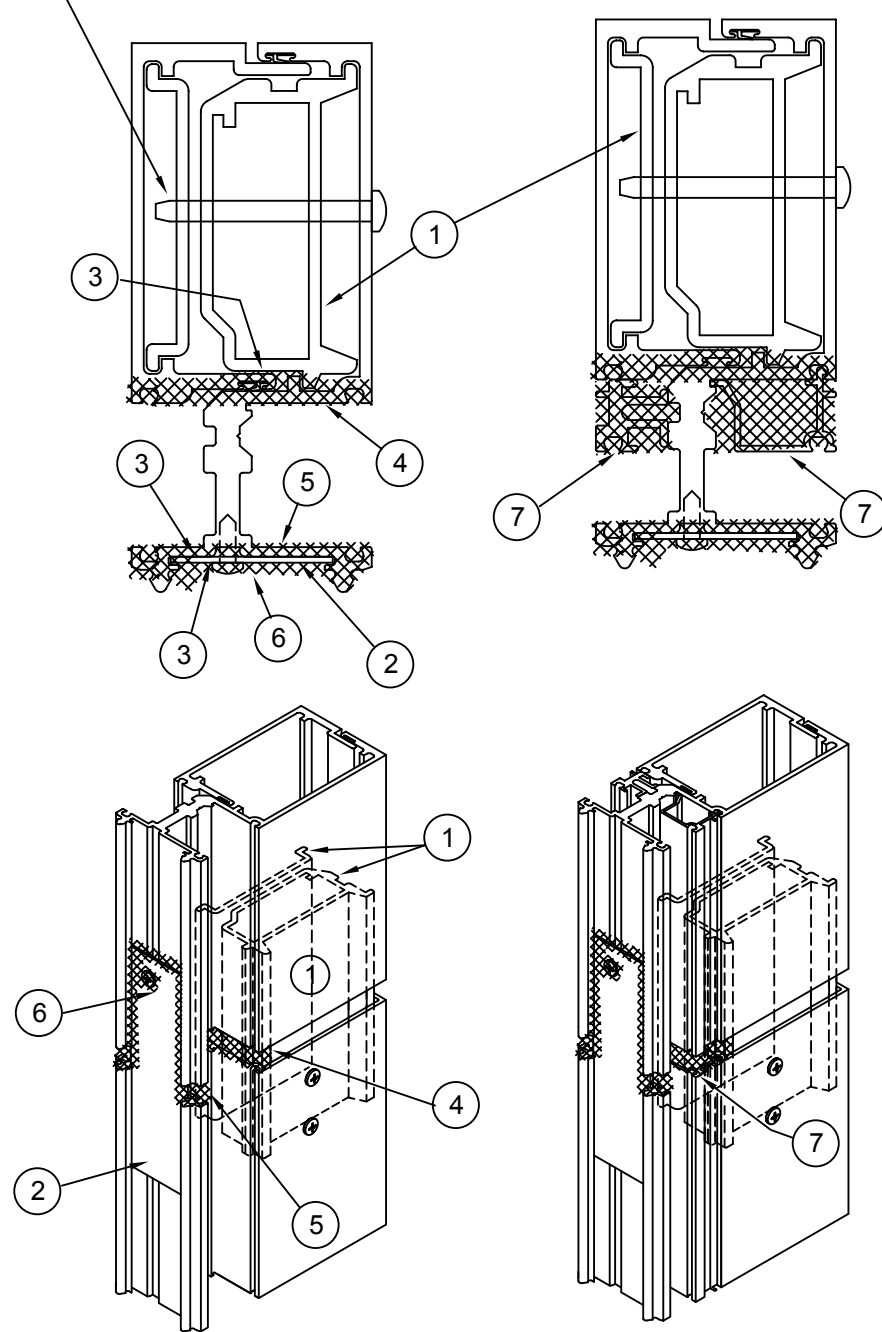
**SEAL SPLICE JOINT**

**INSTALL LAST UNITS**

3/4" MINIMUM CAULK JOINT REQUIRED



- ① INTERIOR SLEEVE
- ② EXTERIOR SLEEVE
- ③ APPLY BOND BREAKER TAPE TO SLEEVES
- ④ SEAL FACE OF INTERIOR SLEEVE
- ⑤ SEAL INTERIOR OF EXTERIOR SLEEVE
- ⑥ SEAL TOP HALF OF EXTERIOR SLEEVE AND SCREW HEAD
- ⑦ SEAL SPANDREL ADAPTER JOINTS



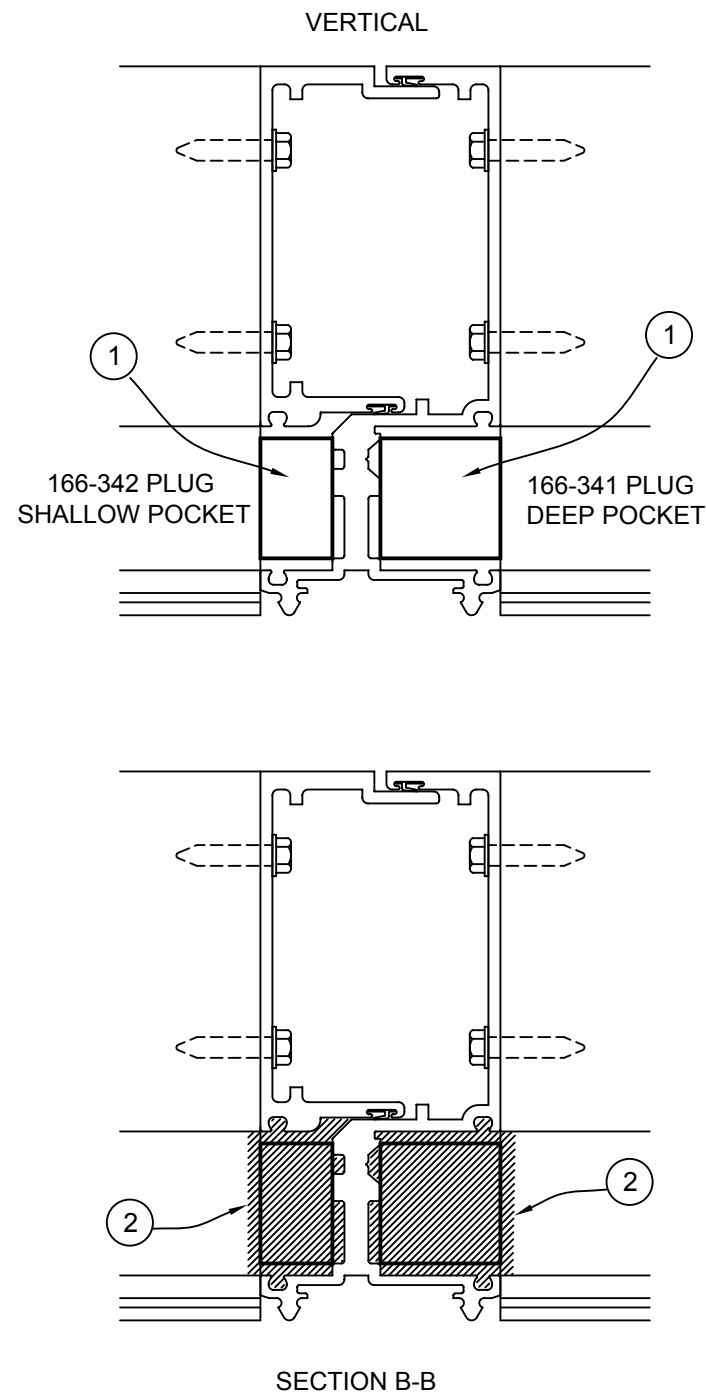
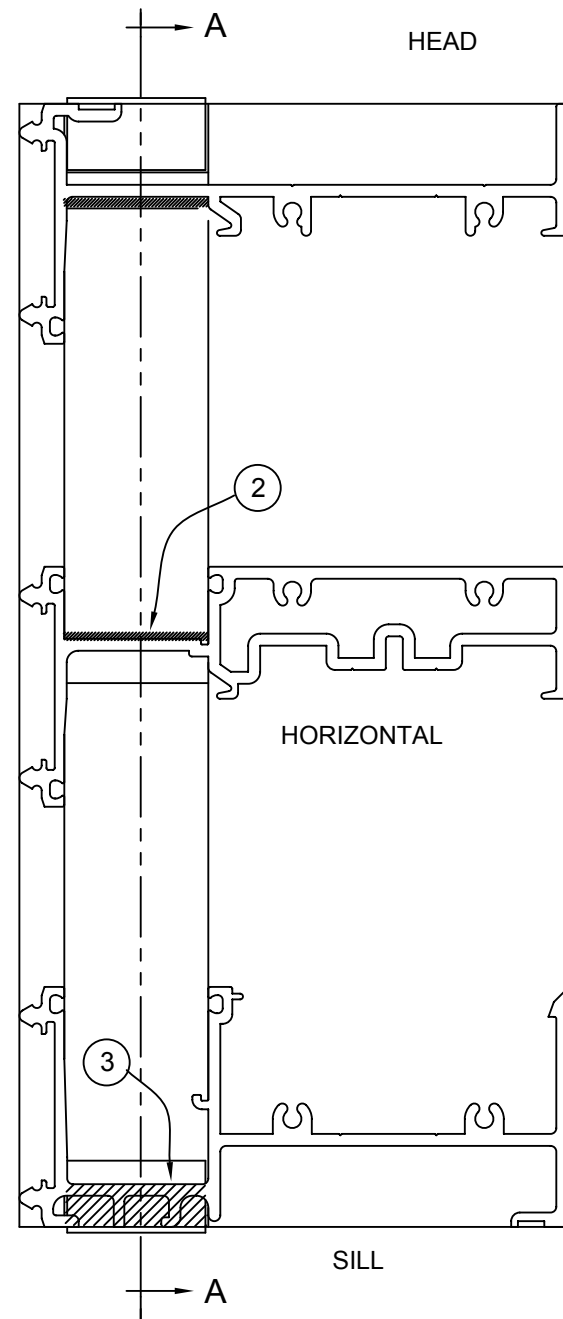
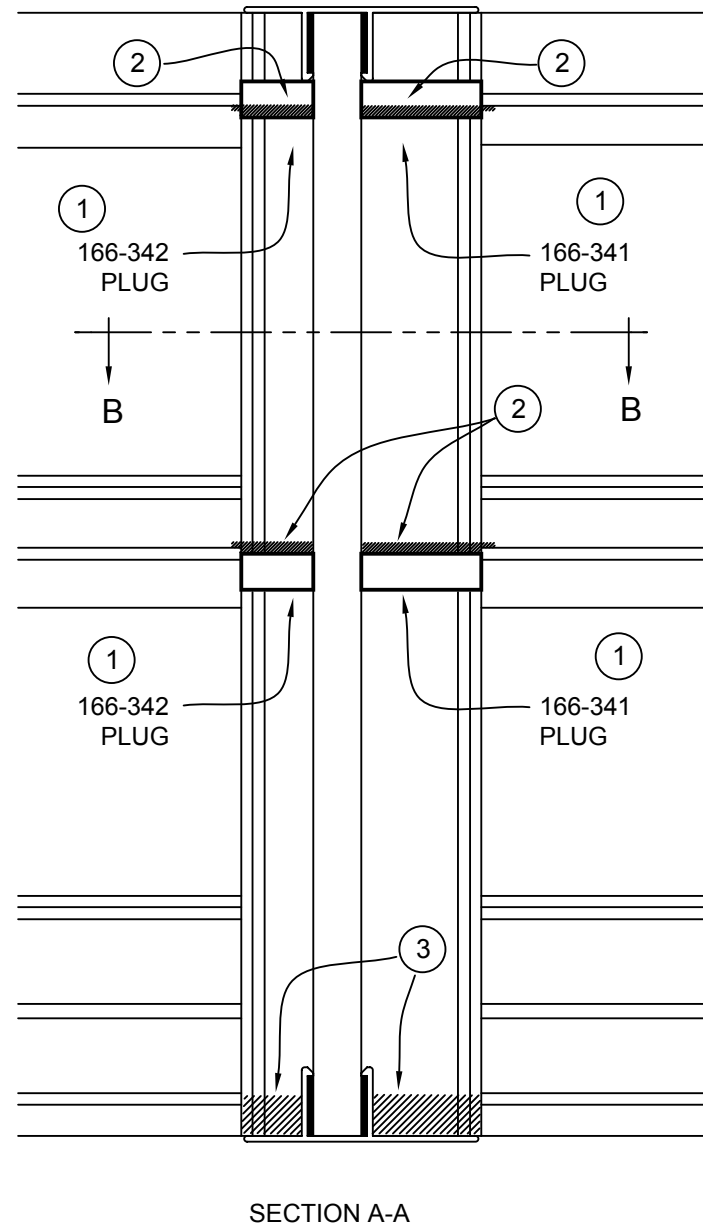
<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	PART NUMBER 166-977 8 OF 14	95488-31 07/25/07
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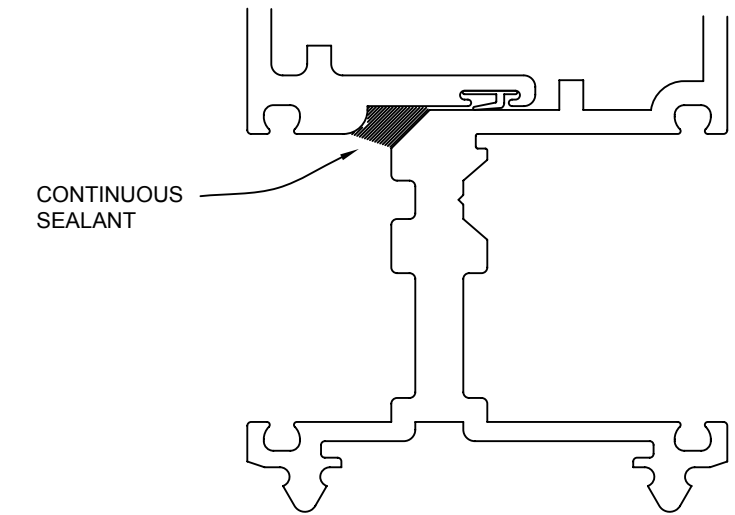
INSTALL AND SEAL JOINT PLUGS

TOOL ALL SEALANT

- ① INSTALL JOINT PLUGS - PRESS FIT INTO PLACE
- ② SEAL OVER JOINT PLUG FILLING ENTIRE POCKET AND ALL GROOVES  
TOOL SEALANT FLAT AS POSSIBLE SO GLAZING POCKETS WILL NOT BE BLOCKED
- ③ SILL ENTIRE SILL POCKET CAVITY  
FILLING ALL GROOVES



SEAL VERTICAL JOINT AT FACE OF  
MALE/FEMALE VERTICAL

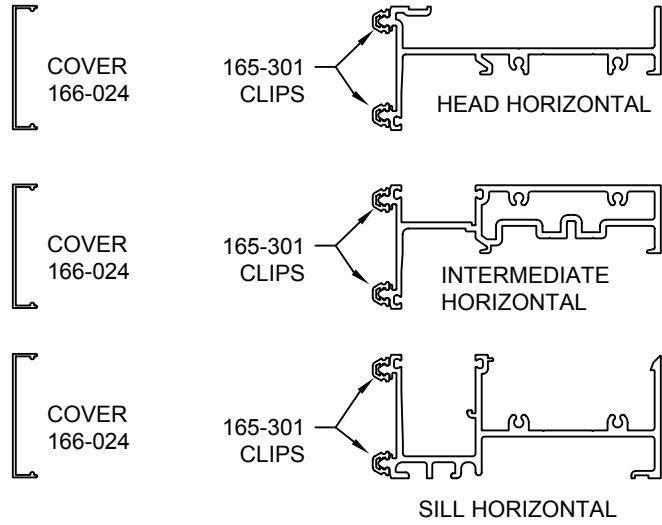


<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	PART NUMBER 166-977 9 OF 14	95488-31 07/25/07
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	SHT:	

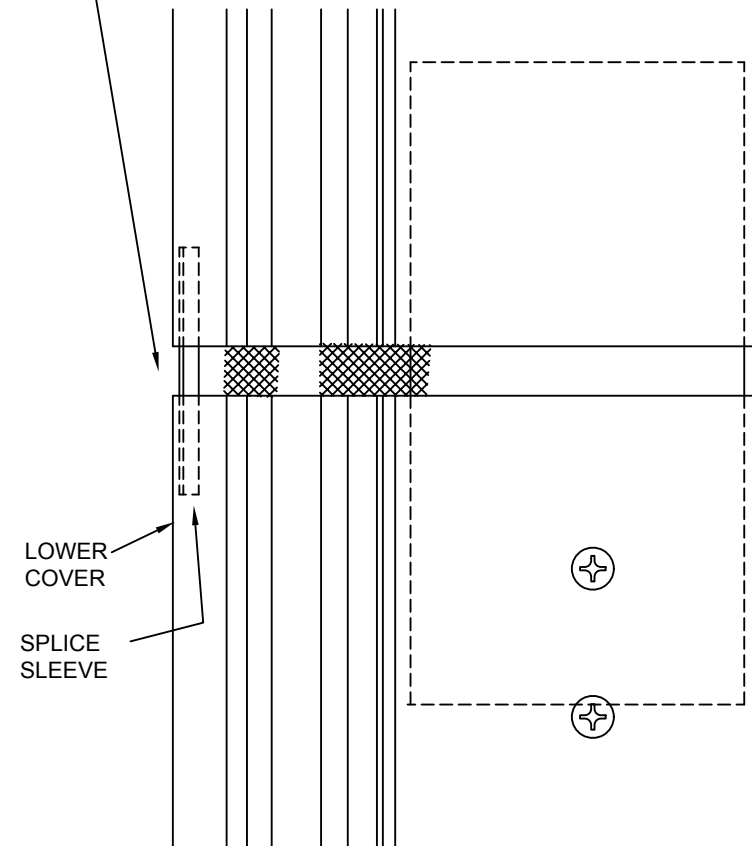
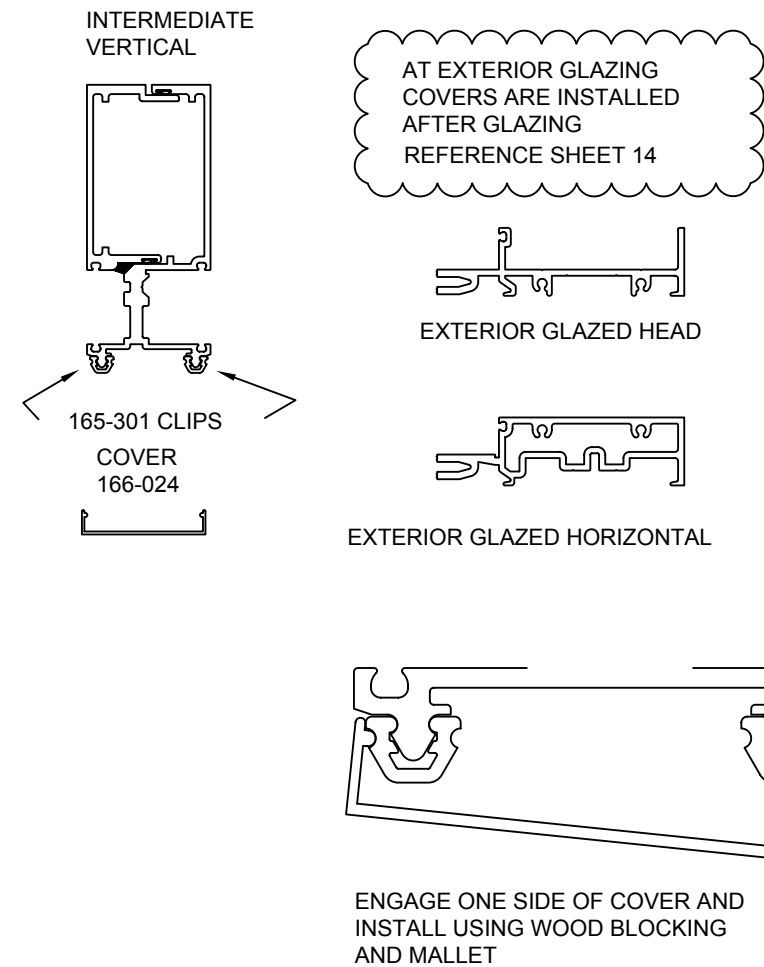
**INSTALL EXTERIOR THERMAL CLIPS AND EXTERIOR COVERS**

**INSTALL COVERS THAT RUN THRU FIRST**

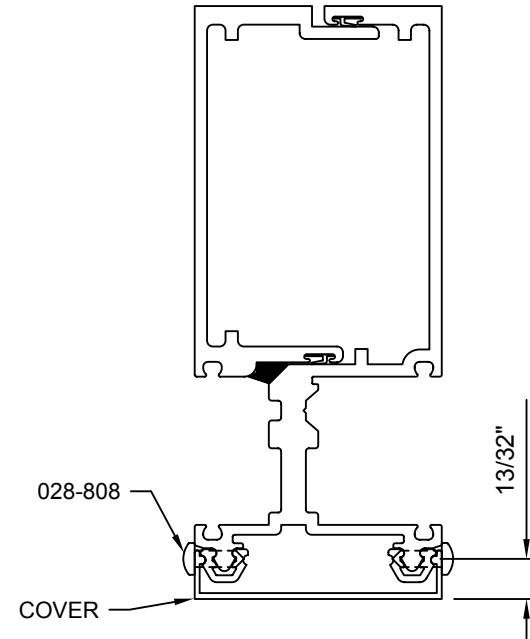
INSTALL 165-301 THERMAL CLIPS AT DLO MINUS 2". CENTER PART ON DLO. RUN CONTINUOUS AROUND ELEVATION OUTSIDE PERIMETER WHERE POSSIBLE. BUTT SPLICED PARTS ARE ACCEPTABLE.



AT SPLICE JOINT SPLICE LOWER COVER WILL HAVE SHOP APPLIED SPLICE SLEEVE

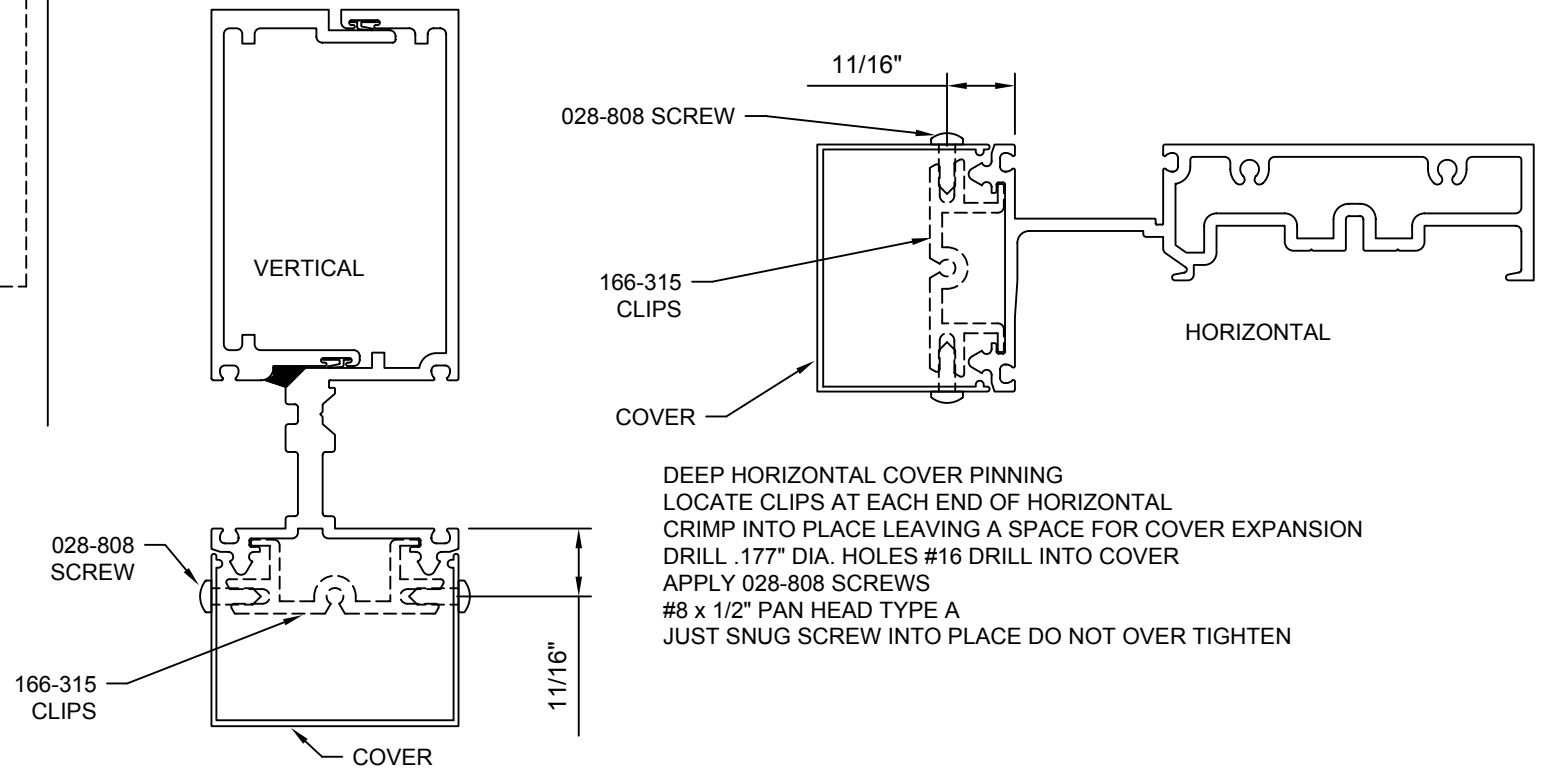


**EXTERIOR COVER PINNING**



TYPICAL VERTICAL COVER PINNING FOR COVERS UP TO APPROX 1 1/2" PROJECTION DRILL .152" DIA. HOLE #24 DRILL AND APPLY 028-808 SCREWS #8 x 1/2" PAN HEAD TYPE A LOCATE SCREW AT A HORIZONTAL CLOSEST TO THE COVER HEIGHT CENTER

FOR COVERS DEEPER THAN A 1 1/2" PROJECTION UNLESS NOTED OTHERWISE

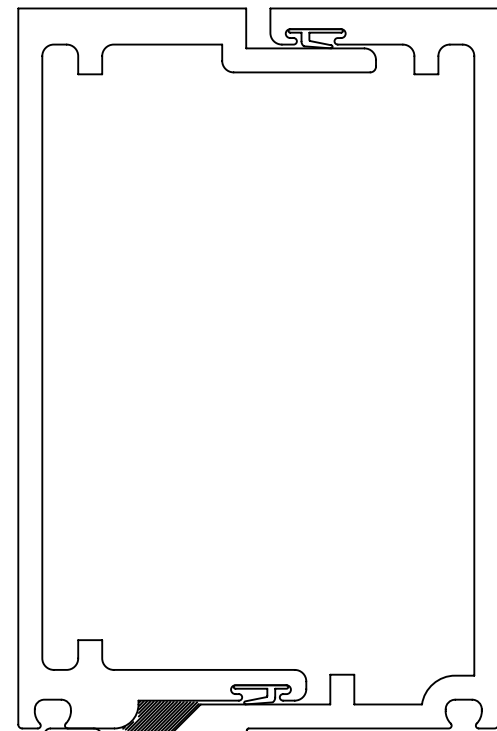


DEEP VERTICAL COVER PINNING LOCATE CLIPS AT HEAD AND SILL HORIZONTALS CRIMP INTO PLACE AT CLIP BOTTOM DRILL .177" DIA. HOLES #16 DRILL INTO COVER APPLY 028-808 SCREWS #8 x 1/2" PAN HEAD TYPE A JUST SNUG SCREW INTO PLACE DO NOT OVER TIGHTEN

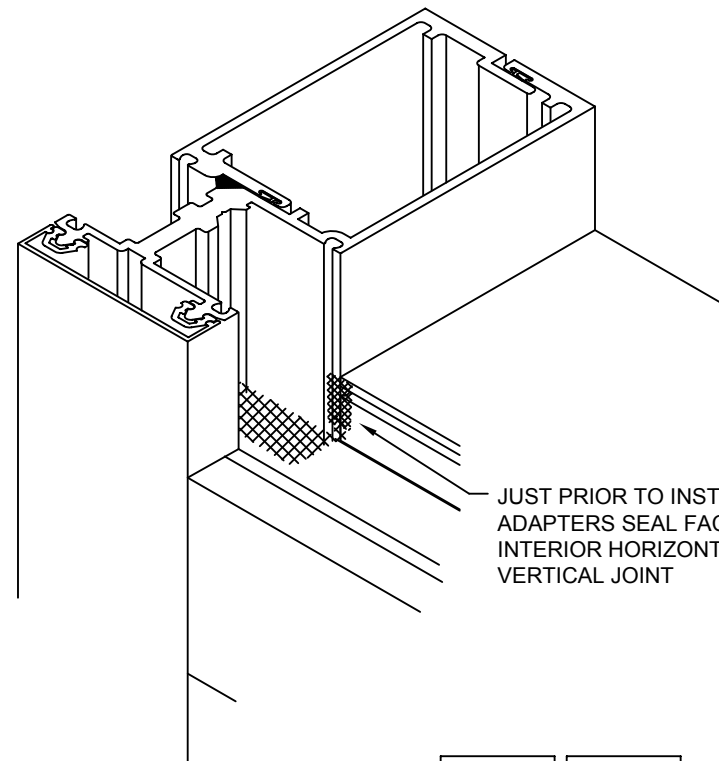
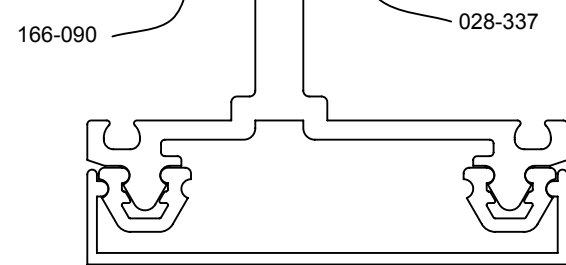
<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	PART NUMBER 166-977 10 OF 14
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	ORDER:

# INSTALL 1/4" INFILL ADAPTERS

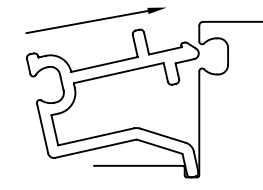
INSTALL VERTICAL ADAPTERS FIRST



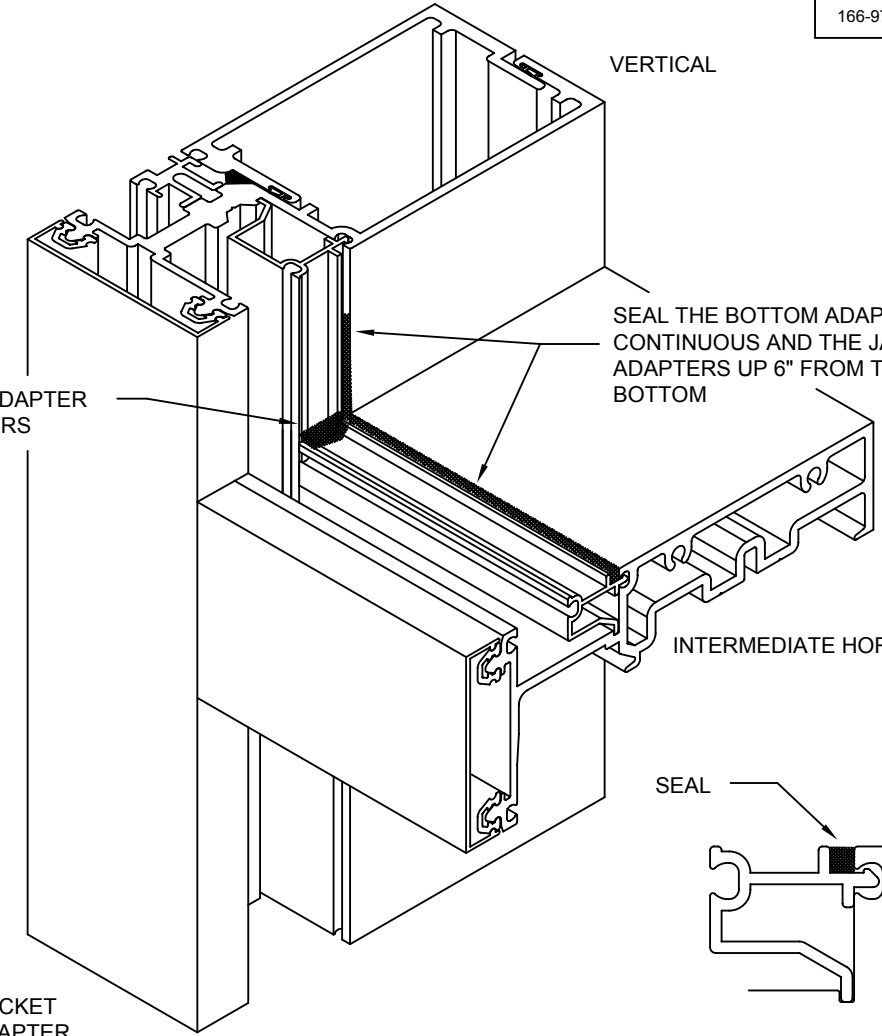
INSTALL ADAPTER 166-090 USING SCREWS 028-337 #10 x 3/4" FL HD TYPE B USE HOLES PREVIOUSLY PREPARED



JUST PRIOR TO INSTALLING ADAPTERS SEAL FACE OF INTERIOR HORIZONTAL TO VERTICAL JOINT

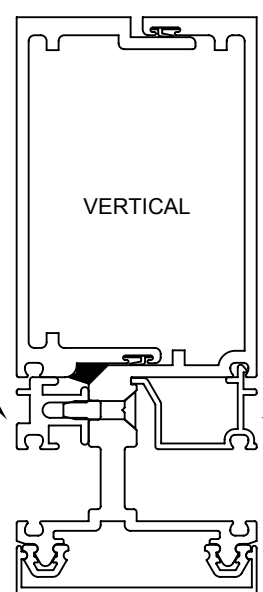
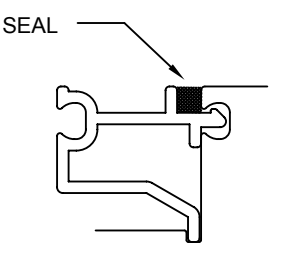


SEAL ADAPTER CORNERS



SEAL THE BOTTOM ADAPTER CONTINUOUS AND THE JAMB ADAPTERS UP 6" FROM THE BOTTOM

INTERMEDIATE HORIZONTAL

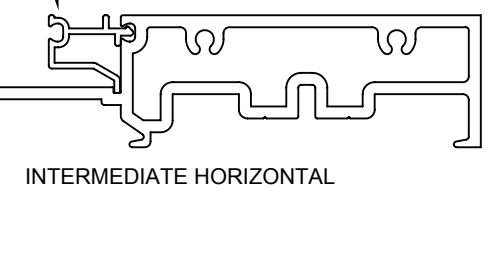


POCKET ADAPTER 166-090

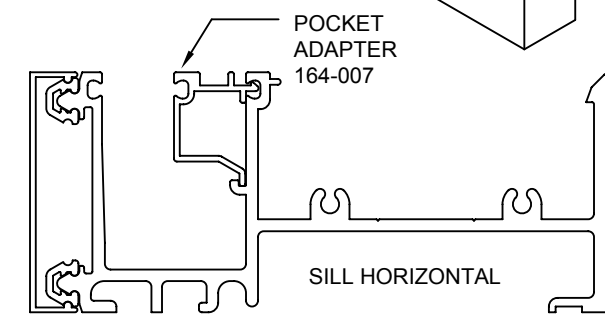
VERTICAL

POCKET ADAPTER 163-007

POCKET ADAPTER 163-006



INTERMEDIATE HORIZONTAL

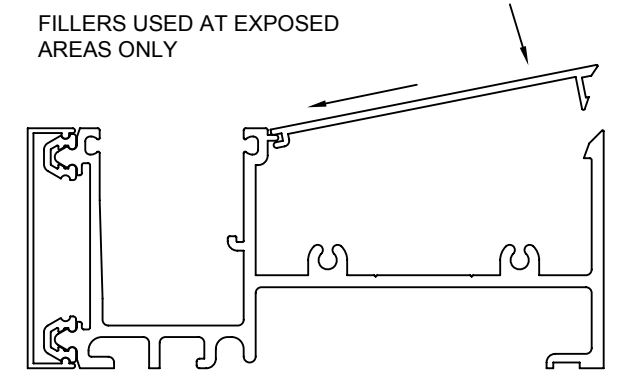


POCKET ADAPTER 164-007

SILL HORIZONTAL

## INSTALL INTERIOR FILLERS WHERE APPLICABLE

FILLERS USED AT EXPOSED AREAS ONLY



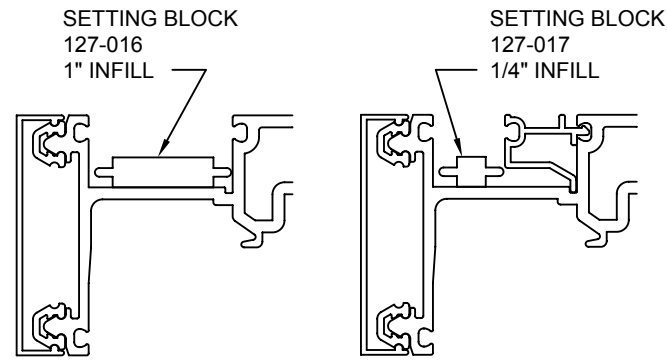
<b>KAWNEER</b> 1600 SYSTEM 5 INSTALLATION - MALE/FEMALE VERTICAL - INTERIOR/EXTERIOR GLAZED	PART NUMBER 166-977 11 OF 14	95488-31 07/25/07
	ORDER:	DRAWING:
	SHT:	ORDER:
	ORDER:	DRAWING:

### INTERIOR GLAZING

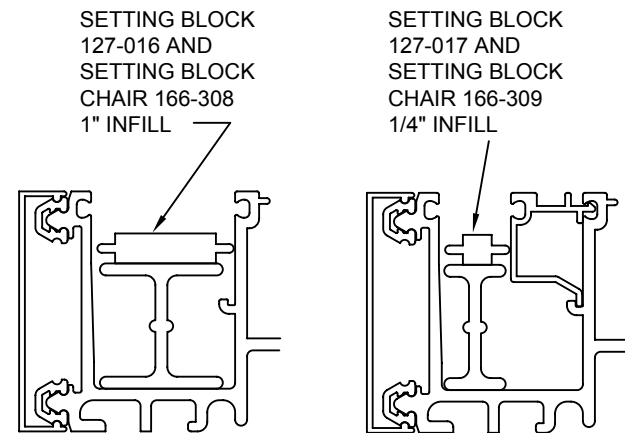
IT IS ESSENTIAL THAT ALL GUTTERS AT HORIZONTALS BE CLEANED PRIOR TO GLAZING.

THIS IS NECESSARY TO AVOID CLOGGING OF WEEP SYSTEMS AS WELL AS STAINING OF EXTERIOR METAL AND GLASS SURFACES.

INSTALL SETTING BLOCKS LOCATING PER APPROVED SHOP DRAWINGS.

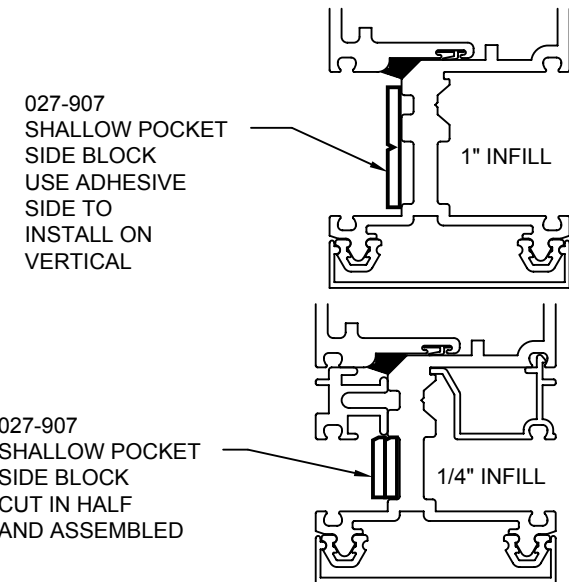


INTERMEDIATE HORIZONTALS



SILL HORIZONTALS

INSTALL SIDE BLOCKS AT SHALLOW POCKET. LOCATE AT CENTER OF GLASS HEIGHT.



### INTERIOR GLAZING

NOTE - GASKET ASSEMBLIES ARE PREFERRED IN ORDER TO MAINTAIN THE GASKET CORNERS WHEN INSTALLING THE GLASS. IF ASSEMBLIES ARE NOT USED SEAL GASKET CORNERS AND ALLOW SEALANT TO SKIN OVER BEFORE INSTALLING THE GLASS.

INSTALL EXTERIOR GASKET ASSEMBLIES.

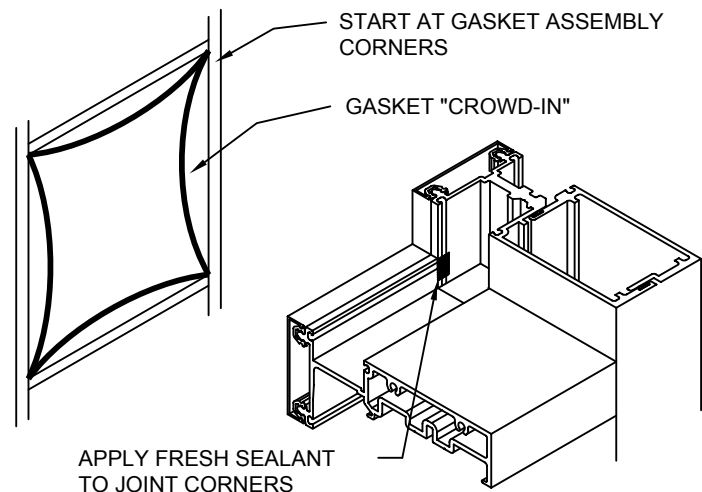
GASKET ASSEMBLIES SHOULD BE INSTALLED JUST PRIOR TO GLASS TO AVOID GASKET CONTAMINATION BY JOB SITE DEBRIS.

IN TEMPERATURES COLDER THAN 50 DEGREES F, ARRANGEMENTS SHOULD BE MADE TO KEEP THE GASKETS WARM UNTIL INSTALLATION OF GASKETS AND GLASS. THIS WILL PREVENT EXCESSIVE GLAZING PRESSURE ON THE GLASS EDGE DUE TO COLD, STIFF GASKETS.

GASKETS CAN BECOME DEFORMED DURING STORAGE IN CARTONS. REMOVE GASKETS FROM CARTONS SEVERAL HOURS PRIOR TO USE AND ALLOW TO LAY FLAT OR HANG OVER RACK. TEMPERATURES SHOULD BE AT LEAST 50 DEGREES F.

INSTALL GASKET ASSEMBLIES STARTING AT THE CORNERS AND WORKING TOWARDS THE CENTER. BE SURE TO SQUARE THE CORNERS. GASKET ASSEMBLIES WILL BE SLIGHTLY LARGE FOR SOME "CROWD-IN". DO NOT STRETCH, CUT OR SPLICE GASKETS.

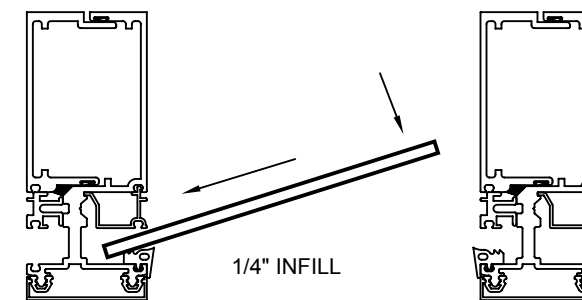
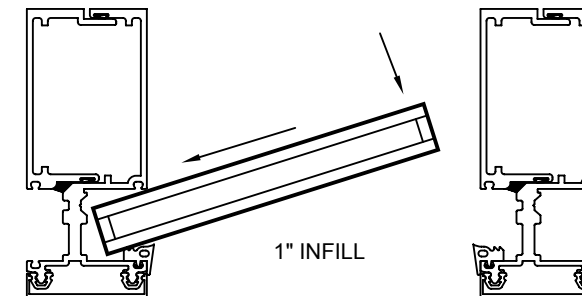
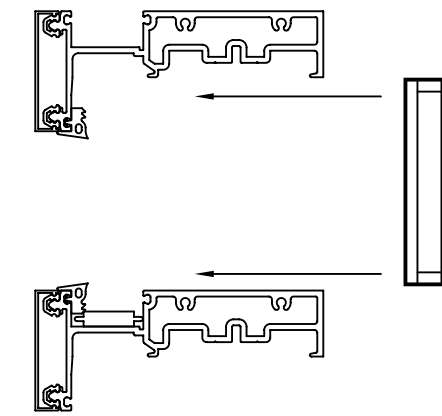
027-850 GASKET EXTRUSION  
163-301 GASKET ASSEMBLY



INSTALL COMPLETE GASKET ASSEMBLY THEN PULL BACK CORNERS AND APPLY SEALANT JUST PRIOR TO INSTALLING GLASS

### INTERIOR GLAZING

INSTALL GLASS BY LIFTING ABOVE SILL AND INSERTING INTO VERTICAL POCKET AS SHOWN.



### INTERIOR GLAZING

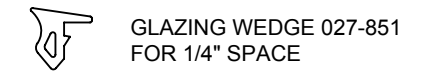
AFTER THE GLASS IS LOWERED ONTO THE SETTING BLOCKS AND CENTERED HORIZONTALLY LIFT THE GLASS SLIGHTLY AND PUSH FORWARD INTO THE EXTERIOR GASKETS.

REFERENCE - FGMA GLAZING MANUAL IN THE "GLASS SETTING" SECTION.

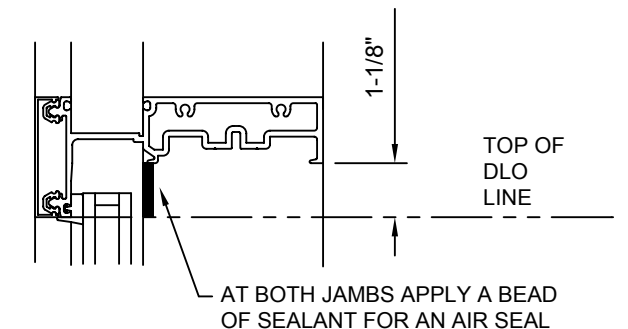
THE ABOVE WILL KEEP THE GLASS EDGE FROM DIGGING AND DEFORMING THE SETTING BLOCK. INSTALL A SHORT PIECE OF GLAZING WEDGE AT THE SETTING BLOCKS AS A TEMPORARY.

INSTALL A SHORT PIECE OF GLAZING WEDGE AT THE TWO VERTICALS AS A TEMPORARY. LOCATE TOWARDS THE TOP OF THE LITE.

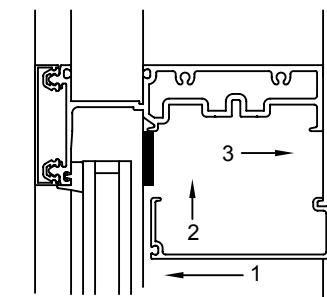
LUBRICATE WITH WATER AS REQUIRED



INSTALL TOP INTERIOR HORIZONTAL STOPS



REMAINDER WILL BE SEALED WITH GASKET CORNER SEAL



AFTER THE STOP IS INSTALLED USE GLAZING WEDGE TEMPORARIES.

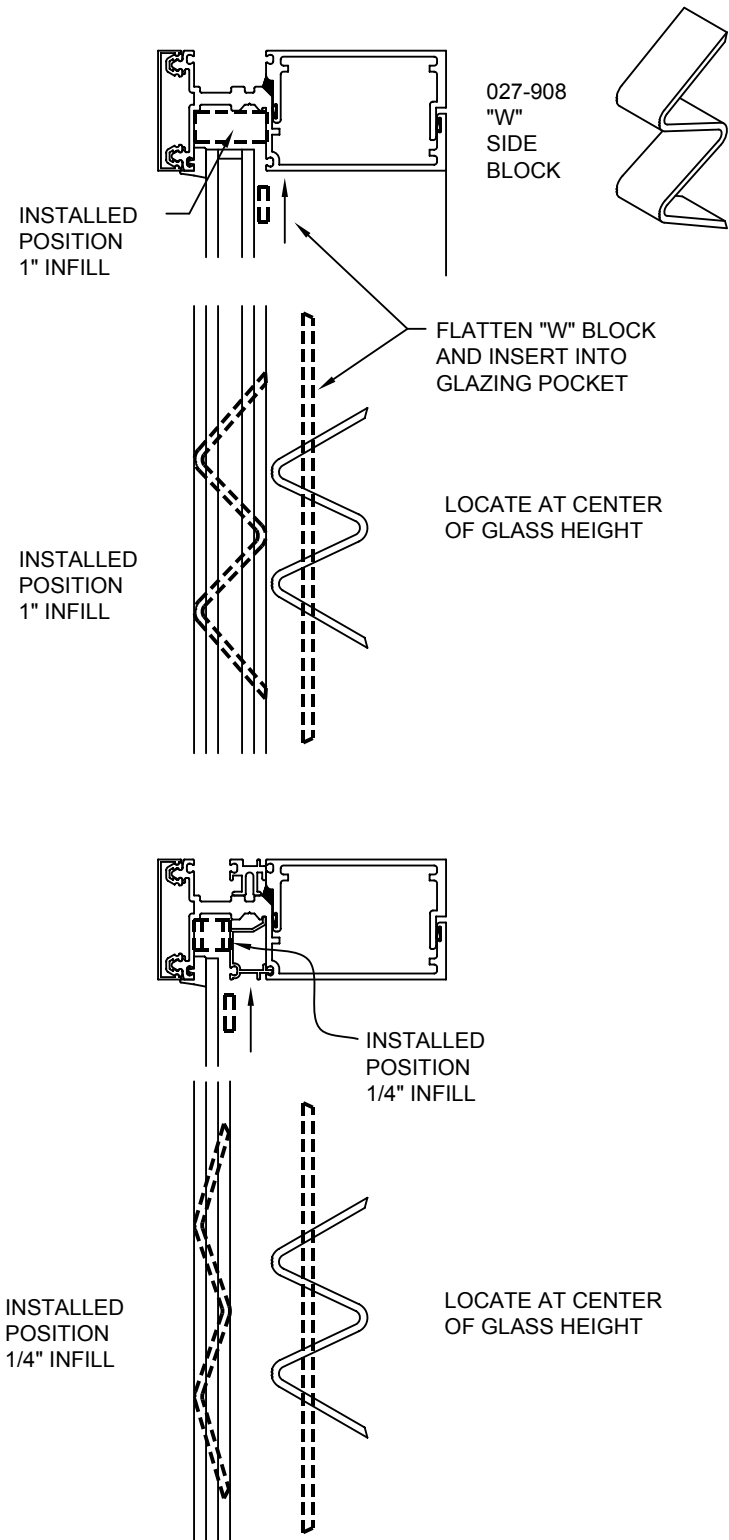
**KAWNEER** 1600 SYSTEM 5  
INSTALLATION - MALE/FEMALE  
VERTICAL - INTERIOR/EXTERIOR  
GLAZED

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SHT:

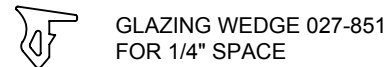
### INTERIOR GLAZING

INSTALL "W" SIDE BLOCKS INTO VERTICAL POCKETS.



### INTERIOR GLAZING

INSTALL GLAZING WEDGE GASKET

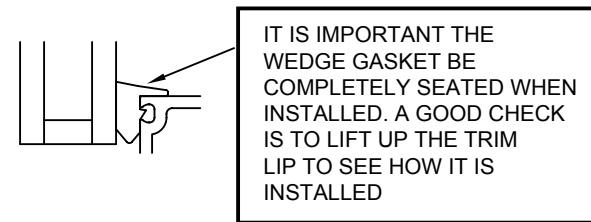


IN TEMPERATURES COLDER THAN 50 DEGREES F. ARRANGEMENTS SHOULD BE MADE TO KEEP THE GASKETS WARM UNTIL INSTALLATION OF GASKETS AND GLASS. THIS WILL PREVENT EXCESSIVE GLAZING PRESSURE ON THE GLASS EDGE DUE TO COLD, STIFF GASKETS.

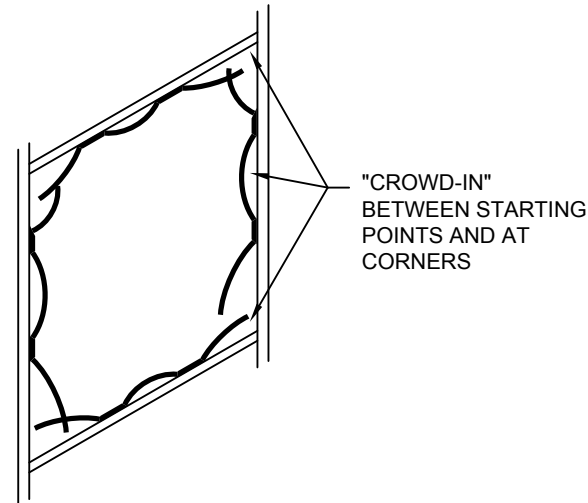
GASKETS CAN BECOME DEFORMED DURING STORAGE IN CARTONS. REMOVE GASKETS FROM CARTONS SEVERAL HOURS PRIOR TO USE AND ALLOW TO LAY FLAT OR HANG OVER RACK. TEMPERATURES SHOULD BE AT LEAST 50 DEGREES F.

APPLY WEDGE GASKETS IN THE SHALLOW POCKET SIDES FIRST TO REDUCE ANY POSSIBLE ROTATION OF THE APPLIED PRESSURE PLATE.

WHEN STARTING THE WEDGE GASKET THE BEST PLACE TO START IS NEAR A TEMPORARY. CUT THE WEDGE 1/8" TO 1/4" PER FOOT LONG FOR GASKET "CROWD-IN". THE "CROWD-IN" TO BE BETWEEN STARTING POINTS AND AT CORNERS. DO NOT STRETCH TO FIT. CORNERS GET SEALED SEE DETAIL BELOW.

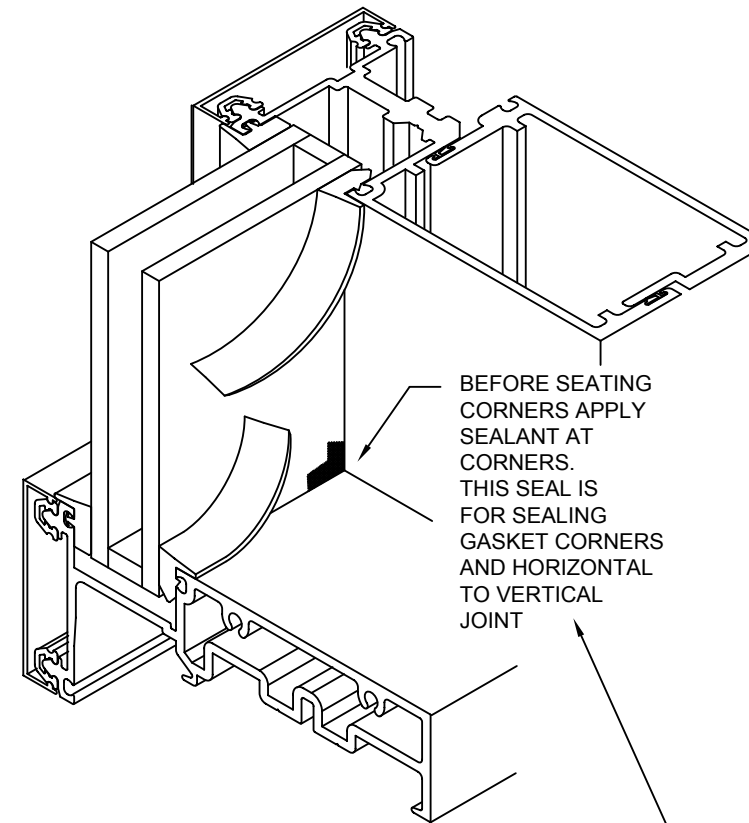


WATER MAY BE USED TO LUBRICATE WEDGE GASKET. BEFORE SEALING CORNERS WIPE GASKET AND CORNER WITH A CLEAN RAG. BEST METHOD IS TO LEAVE CORNERS OUT FOR SOME TIME TO LET WATER EVAPORATE AND WIPE CLEAN.



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.

### INTERIOR GLAZING



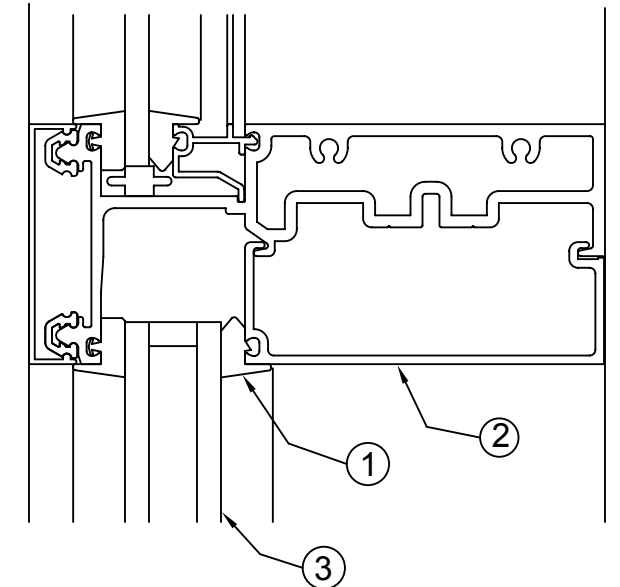
THIS SEAL IS BEST DONE IN TWO STEPS - APPLY SOME SEALANT AND SEAT THE HORIZONTAL GASKET - THEN APPLY MORE SEALANT WHEN SEATING THE VERTICAL GASKET

### RE-GLAZING

#### INTERIOR GLAZED LITE

ORDER NEW

- 1 - FIXED GASKET ASSEMBLY
- 2 - WEDGE GASKET MATERIAL



REMOVE

- 1 - EXISTING WEDGE GASKET
- 2 - TOP INTERIOR STOP
- 3 - GLASS TO BE REPLACED

CLEAN METAL AND RE-GLAZE PER GLAZING INSTRUCTIONS

**KAWNEER** 1600 SYSTEM 5  
 INSTALLATION - MALE/FEMALE  
 VERTICAL - INTERIOR/EXTERIOR  
 GLAZED

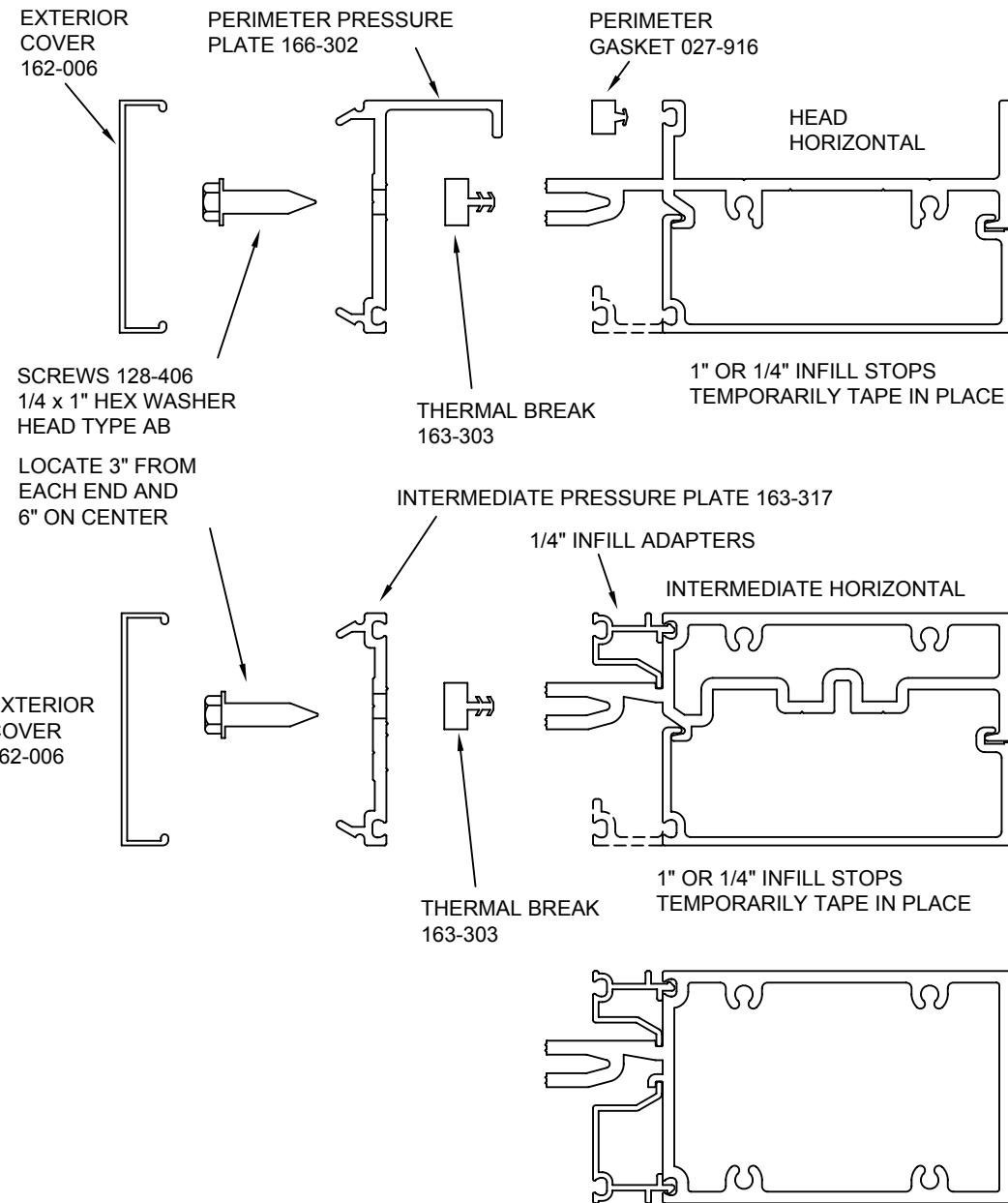
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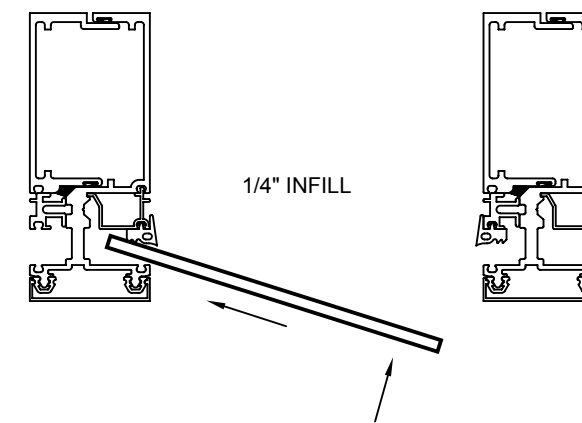
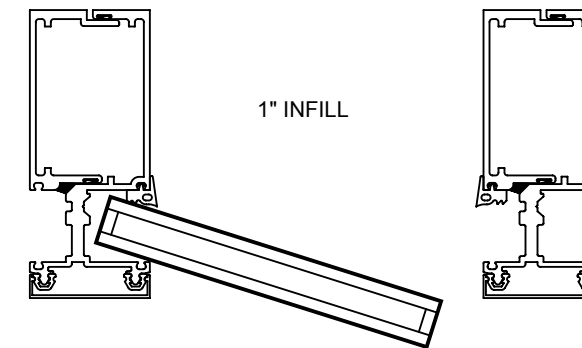
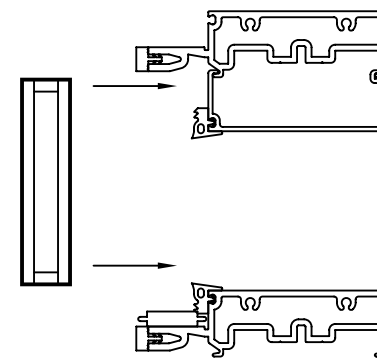
# EXTERIOR GLAZING

EXTERIOR GLAZED HEAD AND INTERMEDIATE HORIZONTAL DETAILS

SILL DETAILS THE SAME AS INTERIOR GLAZING



INSTALL GLASS BY LIFTING ABOVE SILL AND INSERTING INTO VERTICAL POCKET AS SHOWN.



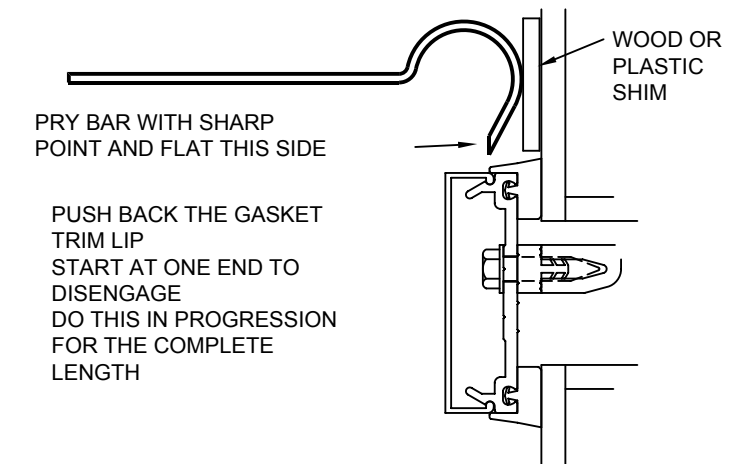
- INSTALL SETTING BLOCKS SAME AS SHOWN AT INTERIOR GLAZING
- INSTALL INTERIOR FIXED GASKETS SAME AS EXTERIOR GASKETS SHOWN AT INTERIOR GLAZING
- INSTALL GLASS AS SHOWN ON THIS SHEET
- INSTALL SIDE BLOCKS FROM THE EXTERIOR SAME AS AT INTERIOR GLAZING
- INSTALL HORIZONTAL PRESSURE PLATES - TORQUE SCREWS TO 50 INCH POUNDS  
- WITH WEEPS TOWARDS TOP OF HORIZONTAL
- SEAL ALL EXTERIOR PRESSURE PLATE JOINTS
- INSTALL EXTERIOR COVERS - INSTALL HORIZONTAL COVERS WITH THE WEEP HOLES DOWN
- INSTALL EXTERIOR WEDGE GASKET SAME AS AT INTERIOR GLAZING

# RE-GLAZING

## EXTERIOR GLAZED LITES

- ORDER NEW
- 1 - FIXED GASKET ASSEMBLY OR MATERIAL
  - 2 - WEDGE GASKET MATERIAL AND SILL
  - 4 - NEW EXTERIOR COVER IF EXISTING COVER CAN NOT BE SAVED

COVERS CAN BE SAVED IF TOLERANCES ARE NOT TOO TIGHT AND THE COVER IS REMOVED WITH EXTREME CARE



PUSH BACK THE GASKET TRIM LIP START AT ONE END TO DISENGAGE DO THIS IN PROGRESSION FOR THE COMPLETE LENGTH

NEXT REMOVE PRESSURE PLATE, GASKETS AND GLASS.

CLEAN METAL AND RE-GLAZE PER EXTERIOR GLAZING INSTRUCTIONS

**KAWNEER** 1600 SYSTEM 5  
 INSTALLATION - MALE/FEMALE  
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 GLAZED

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