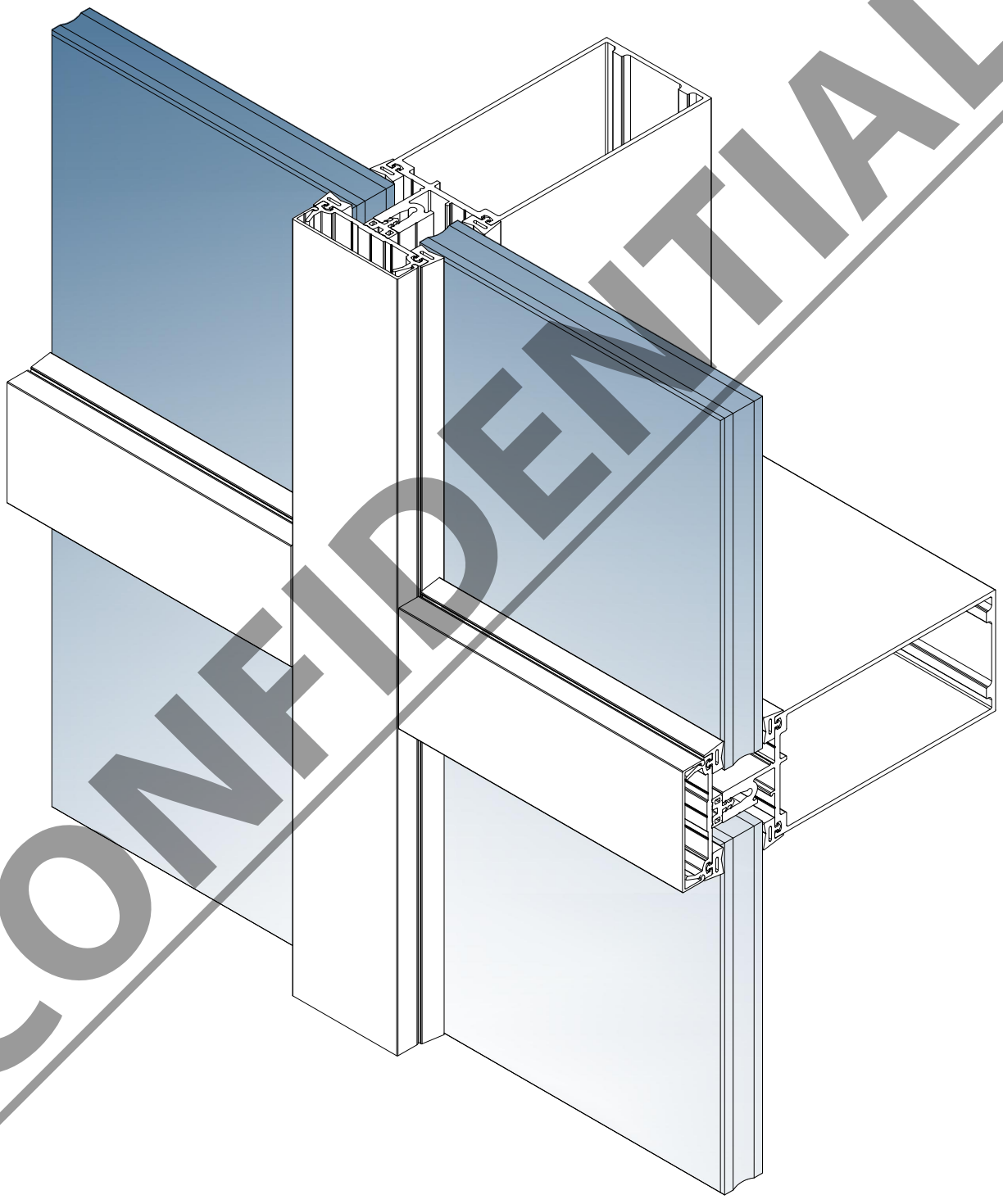
# ES-7525

## CURTAIN WALL





ENERGÍA SOLAR
ESWINDOWS

# HSEQ REGULATIONS

Read all instructions carefully before attempting this procedure. If you have any questions about your ability to complete this procedure, contact ESWINDOWS for further direction.

If the need of swing stages is required for installation, the HSEQ inspector must approve the permissions.

- Wear the necessary personal protective equipment for product installation.
- Take safety precautions when performing the activity.
- Please follow the steps and make sure you have appropriate personal protective equipment and follow the rules established by the guidance for working at height, if required to do so.

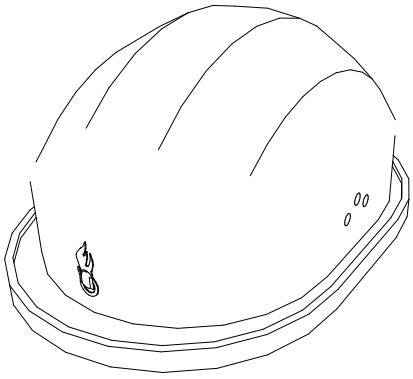
# INTRODUCTION

ES-7525 is a curtain wall stick system.

This guide illustrates step by step the correct way to install the system.

Prior to installation check that all parts, glass and materials are in right conditions, verify that the quantities and descriptions match production planes.





## INSTALLATION



## FRAME FABRICATION



REVIEW

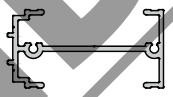
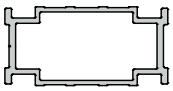
# INTRODUCTION

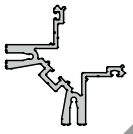
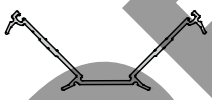
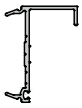
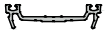
The ES-7525 is a Curtain Wall Stick system.

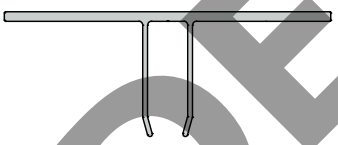
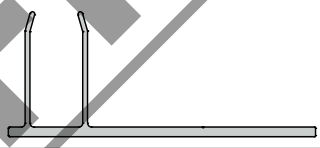
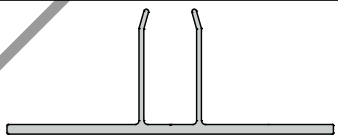
This instructive illustrates the correct way to install the system.

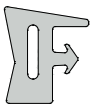
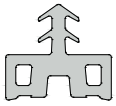
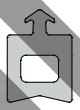
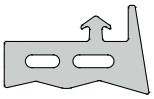
Check that all parts, glass and materials are in right conditions, verify that the quantities and descriptions match production planes.

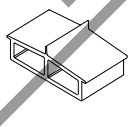
Due to the variations that present in the product we recommend ESWINDOWS consulting in order to solve any concerns.

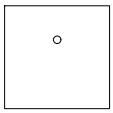
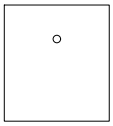
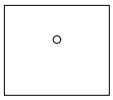
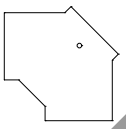
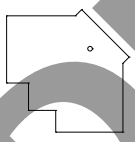
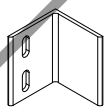
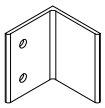
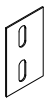
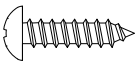
| PARTS REQUIRED FOR INSTALLATION | | |
|---|---|---|
| PART | SPECIFICATIONS | DESCRIPTION |
| ES–7525–001 |  | HEAD/SILL |
| ES–7525–002 |  | HEAD/HORIZONTAL (OPEN) |
| ES–7525–003 |  | JAMB/STD.MULLION/ HORIZONTAL |
| ES–7525–004 |  | VERTICAL MULLION HEAVY |
| ES–7525–005 |  | SNAP INTERIOR COVER (HEAD/SILL/HORIZONTAL) |
| ES–7525–006 |  | SHEAR BLOCK |
| ES–7525–007 |  | ALT VERTICAL MULLION BUTT GLAZED |
| ES–7525–008 |  | MULLION SPLICE |
| ES–6025–007 |  | STD. PREASSURE PLATE FOR 1” GLASS |
| ES–6025–008 |  | DEEP PREASSURE PLATE FOR 1 5/16” GLASS |
| ES–6025–009 |  | STD. COVER |

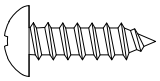
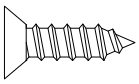
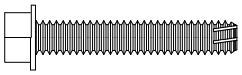
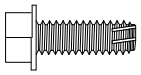
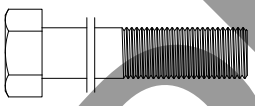
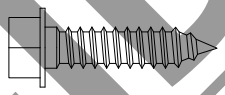
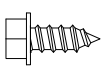
| | | |
|---|---|---|
| ES–6025–012 |  | SPANDREL GLASS ADAPTER |
| ES–6025–013 |  | POCKET FILLER |
| ES–6025–014 |  | PANEL INFILL ADAPTER |
| ES–6025–015 |  | 90° ADAPTER |
| ES–6025–016 |  | 90° CORNER PRESSURE PLATE |
| ES–6025–017 |  | 90° INTERIOR ADAPTER |
| ES–6025–018 |  | 90° INTERIOR COVER |
| ES–6025–019 |  | PERIMETER PRESSURE PLATE |
| ES–6025–021 |  | GLAZING ADAPTOR |
| ES–6025–023 |  | PERIMETER ANCHOR |
| ES–6025–024 |  | SHALLOW PRESSURE PLATE 9/16" GLASS |

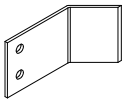
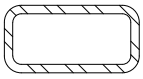
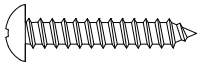
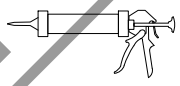
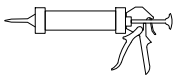
| | | |
|---|---|---|
| ALU-A-028 |  | SHEAR BLOCK FOR 90° OUTSIDE CORNER (RH&LH) |
| ALU-A-019 |  | 1 1/2"X1 1/2"X1/8" COVER FOR 90° OUTSIDE CORNER (9/16" GLASS) |
| ALU-A-027 |  | 2"X2"X1/8" COVER FOR 90° OUTSIDE CORNER (1 5/16" GLASS) |
| ES-7525-050 |  | MULLION ANCHOR |
| ES-7525-051 |  | JAMB ANCHOR |
| ES-6025-010 |  | JAMB ANCHOR |
| ES-6025-011 |  | MULLION ANCHOR |

| | | |
|---|---|---|
| ES–6025–G01A |  | INTERIOR / EXTERIOR GASKET |
| ES–6025–G02 |  | ISOLATOR |
| ES–6025–G03A |  | SPACER @ JAMB |
| ES–6025–G04 |  | SPACER @ JAMB FOR 1 5/16" GLASS |
| ES–6025–G05 |  | INTERIOR SPACER FOR SILICONE BUTT GLAZE |
| ES–6025–G06A |  | EXTERIOR GASKET FOR 9/16" GLASS |
| TAPE |  | 1/4" x 1/4" POLYURETHANE TAPE (ADHESIVE) |
| TAPE |  | 3/16" x 1/4" DENSE FOAM TAPE (ADHESIVE 1 SIDE) |
| ES–7525–G01 |  | INTERIOR GLAZING GASKET |
| ES–6025–B01A |  | SETTING BLOCK FOR 1" GL. (1/8" x 7/16") |

| | | |
|---|---|---|
| ES–6025–B02A |  | SIDE BLOCK |
| ES–6025–B03 |  | SETTING BLOCK FOR 1/4" SPANDLEL GLASS (1/2" x 7/16") |
| ES–6025–B04A |  | SETTING BLOCK FOR 1 5/16" GLASS (1 3/8" x 3/16") |
| ES–6025–B05 |  | SETTING BLOCK FOR 9/16" IMPACT GLASS (5/8" x 3/16") |
| ES–6025–B06 |  | JOINT PLUG FOR 1" GLASS |
| ES–6025–B07 |  | JOINT PLUG EXTENSION (1/2" x 7/16") |
| ES–6025–B08A |  | JOINT PLUG FOR BUTT GLAZING |
| ES–6025–B09 |  | END PLUG FOR HEAD/SILL |
| ES–6025–B10 |  | JOINT PLUG FOR 1 5/16" GL. |
| ES–6025–B11 |  | JOINT PLUG FOR 9/16" GL. |

| | | |
|---|---|---|
| ES–6025–C01 |  | MULLION END CAP (2 1/2"X 2 7/16") |
| ES–6025–C02 |  | MULLION END CAP (2 1/2" x 2 3/4") |
| ES–6025–C03 |  | MULLION END CAP (2 1/2" x 2 1/8") |
| ES–7525–C04 |  | 90° CORNER MULLION END CAP STANDARD |
| ES–6025–C05 |  | 90° CORNER MULLION END CAP |
| ES–6025–C06 |  | 90° CORNER MULLION END CAP 9/16" GLASS |
| ES–6025–M01 |  | STD. FLOOR ANCHOR –WIND LOAD 7" x 4" x 1/2" ANGLE 6"LONG. |
| ES–6025–M02 |  | STD. FLOOR ANCHOR –DEAD LOAD 7" x 4" x 1/2" ANGLE 6" LONG. |
| ES–6025–M03 |  | ANCHOR METAL SEPARATOR 3" x 5" x 1/16" |
| #8X1/2" PHSMS |  | FOR ATTACHMENT OF MULLION END CAPS |

| | | |
|---|---|---|
| #12 X 3/4" PHSMS |  | FOR ATTACHMENT OF SILL & HEAD OUTSIDE CORNER |
| #12 X 3/4" FHSMS |  | FOR ATTACHMENT OF HORIZONTAL TO SHEAR BLOCK |
| 1/4"–20 X 1 1/2" HH TYPE F POINT |  | FOR ATTACHMENT OF SHEAR BLOCK TO VERTICAL |
| 1/4"–20 x 1/2" HH TYPE F POINT. |  | FOR ATTACHMENT OF SHEAR BLOCK TO VERTICAL AT CORNER |
| HBOLT 1/2"–13 X 4 HWHMS |  | FOR ATTACHMENT OF FLOOR ANCHOR TO VERTICAL |
| 1/4" X 1" HWH TYPE AB PT. SELF TAPPING SCREW |  | FOR ATTACHMENT OF PRESSURE PLATE |
| 1/2" PLAIN FLAT WASHER |  | FOR ATTACHMENT OF FLOOR ANCHOR TO VERTICAL |
| 1/2" LOCK WASHER |  | FOR ATTACHMENT OF FLOOR ANCHOR TO VERTICAL |
| 1/2" – 20 HEX BOLT NUT HHMS |  | FOR ATTACHMENT OF FLOOR ANCHOR TO VERTICAL |
| #10 X 3/8" HWH TYPE AB |  | FOR ATTACHMENT OF ADAPTER ES–6025–017 |

| | | |
|---|---|---|
| #8 X 1/2" FHSMS |  | FOR ATTACHMENT OF COVER SPLICE SLEEVE ES-6025-P01 |
| ES-6025-M16 |  | FLOOR ANCHOR OUTSIDE CORNER |
| STEEL REINFORCEMENT |  | NEED ENGINEERING CONFIRMATION |
| #10 X 1 1/4" PHSMS |  | FOR ATTACHMENT GLAZING ADAPTOR TO VERTICAL MULLION SSG |
| ES-6025-P01 |  | COVER SPLICE SLEEVE |
| BUMPON SPACER FLB-22 |  | FLB-22 |
| D.C 795 |  | WEATHERPROOFING SEALANT |
| D.C 995 |  | STRUCTURAL SEALANT |

Check the technical manuals and guides by sealant manufacturers to apply silicone correctly.

# STEP 1

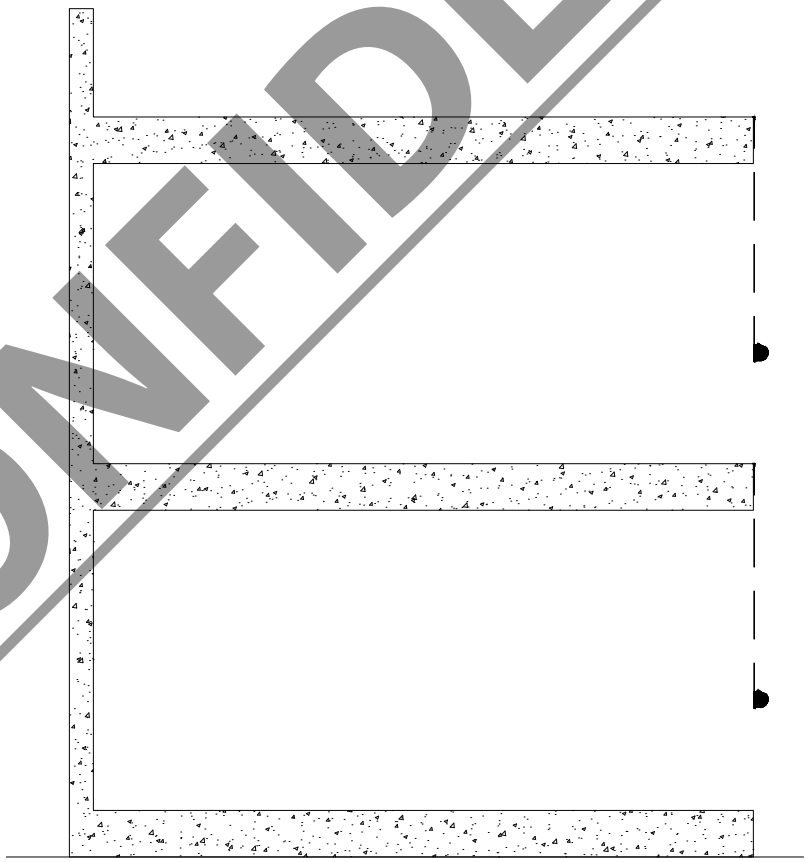
## INSPECTION AND VERIFICATION:

1.1. The units, slabs, walls and other locations where the system will be installed, should be checked for the correct size as determined by dimensions listed in the architectural specifications and the shop drawings.

1.2. Check all the material upon arrival for quantity and damages.

1.3. Remove all materials that interfere with the proper installation of the unit.

1.4. If any irregularities are detected notify the general contractor.

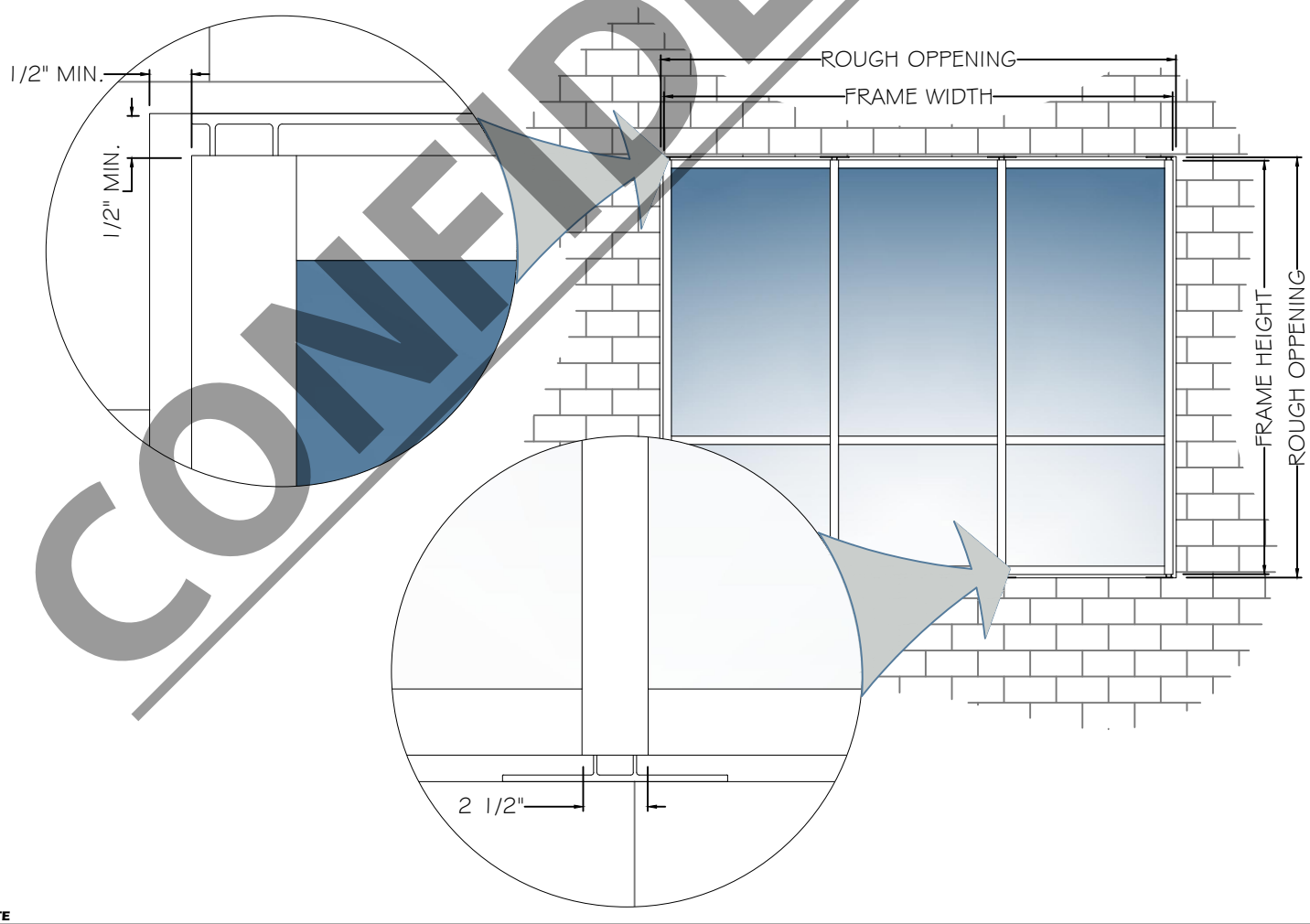


## VERIFICATION:

1.5. Measure rough opening to determine frame width and frame height dimensions. The tolerance between the opening and the system must be of 1/2" minimum for shimming and caulking around perimeter of frame.

Verify the dimensions:

| | |
|---|---|
| VERTICALS | FRAME HEIGHT |
| VERTICALS COVER | FRAME HEIGHT |
| INTERMEDIATE HORIZONTALS | D.L.O. |
| HEAD AND SILL | D.L.O. |



# STEP 2

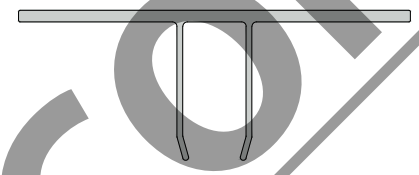
VERIFICATION OF THE FRAME ANCHORING METHODS:

2.1. The following detail illustrates the typical anchors for this system.

Verify shop drawings to identify the anchor types to work with. Anchors may vary depending on the project requirements and anchors should be establish by a qualified engineer.

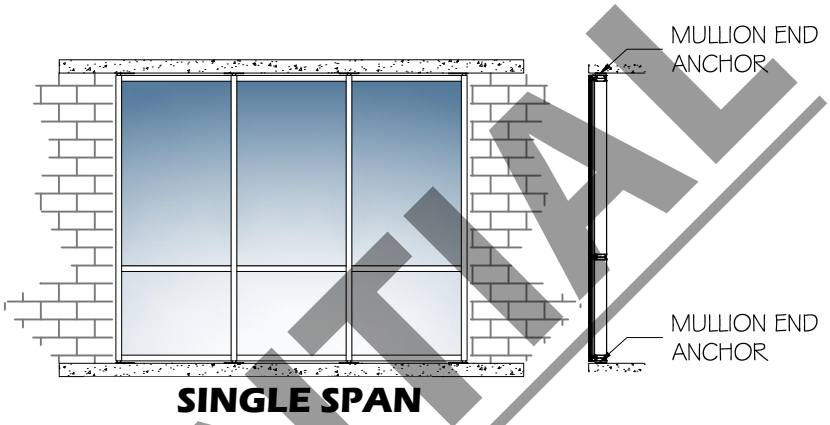
## ANCHORS DETAIL

JAMB ANCHOR:

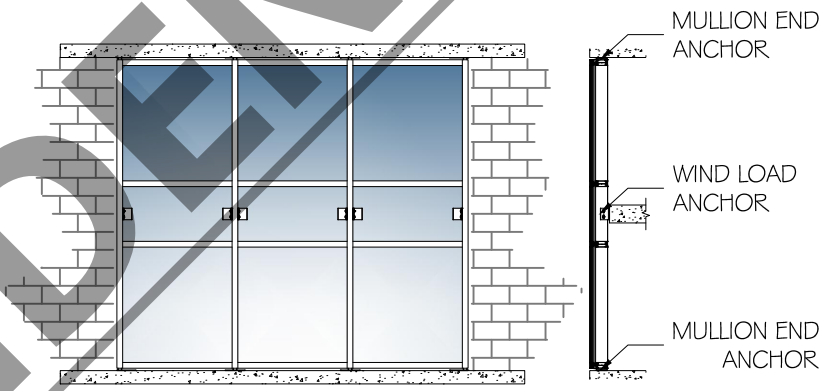


MULLION ANCHOR:

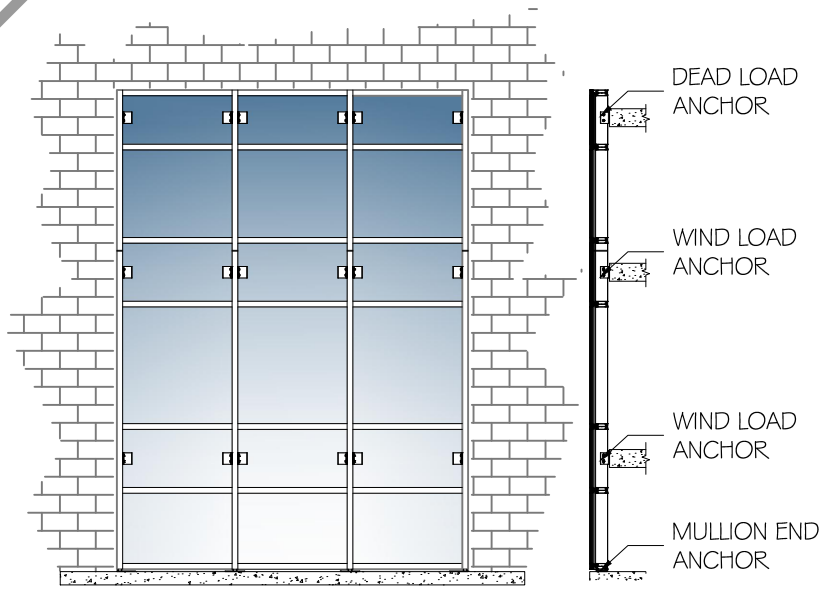
PERIMETER ANCHOR:




**SINGLE SPAN**




**TWIN SPAN**




**MULTI-SPAN**

# STEP 3

## VERIFICATION OF FABRICATIONS:

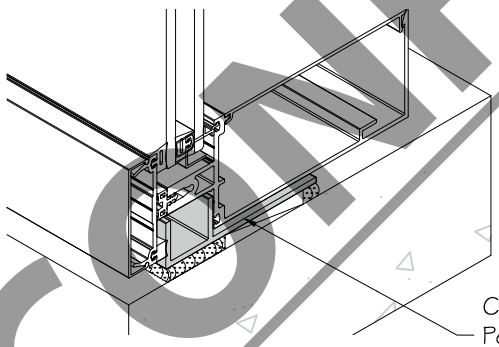
## WHEN USING PERIMETER ANCHOR:

3.1. When using continuous perimeter anchor, the top and bottom of jamb and vertical mullions must be notched as shown in the detail.

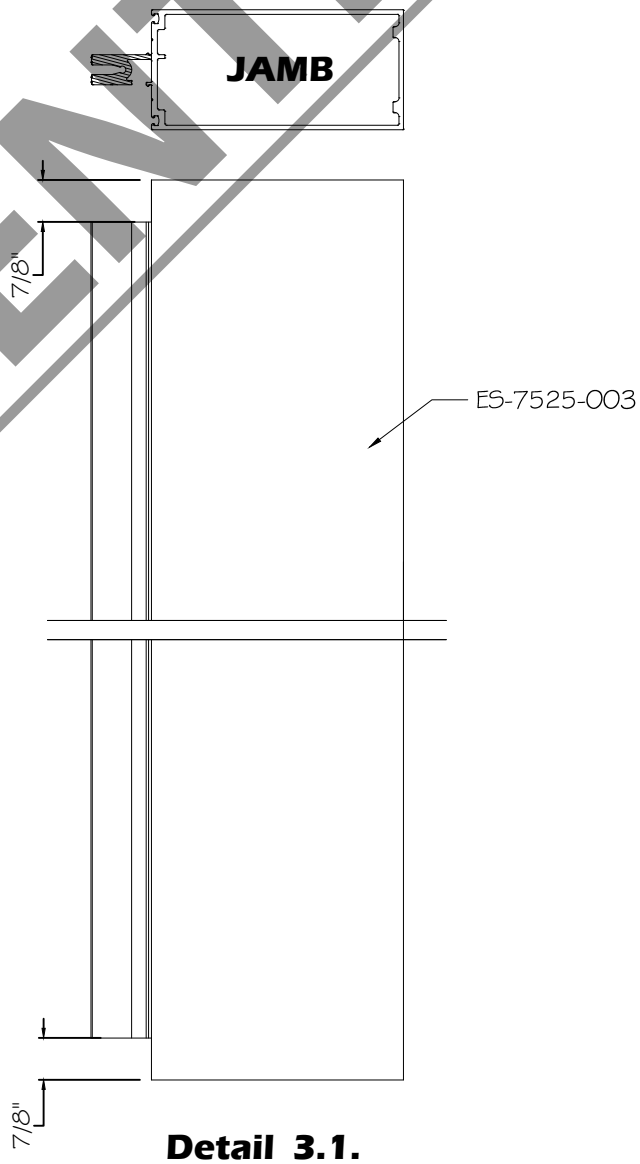
3.2. Verify the dimensions of the anchor:

Horizontal perimeter anchor: L = F.W. + 7/16"

Vertical perimeter anchor: L = F.H. + 1 1/16"




Do not notch verticals when using ES-6025-010 and ES-6025-011. mullion anchors




**Detail 3.1.**

## VERTICAL MULLION FABRICATIONS:

3.3. Prior to system installation, verify the verticals fabrications and shop drawings.

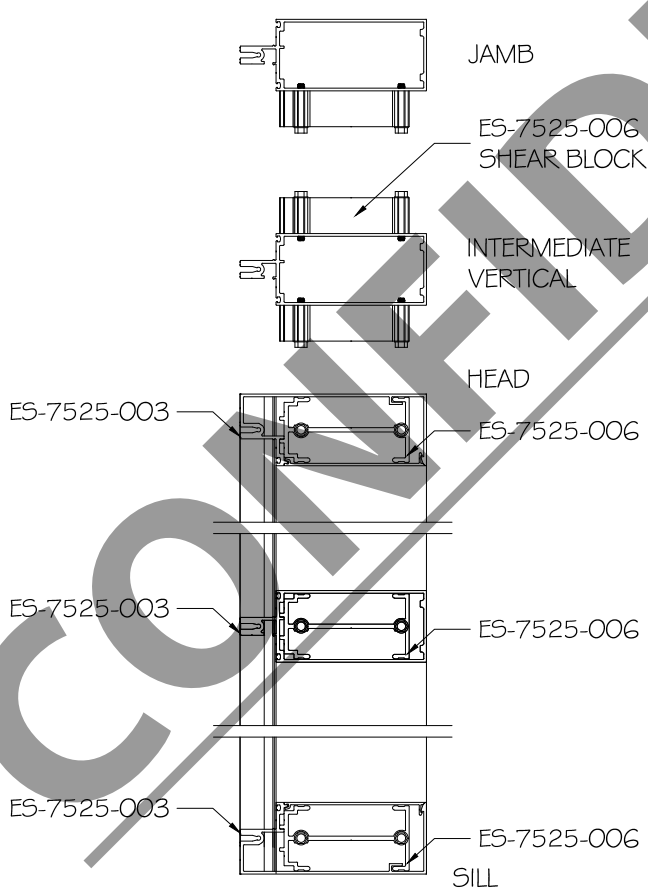
3.4. Verify jambs and mullions for shear block perforations. Check the shop drawings to determine the location of the shear blocks.

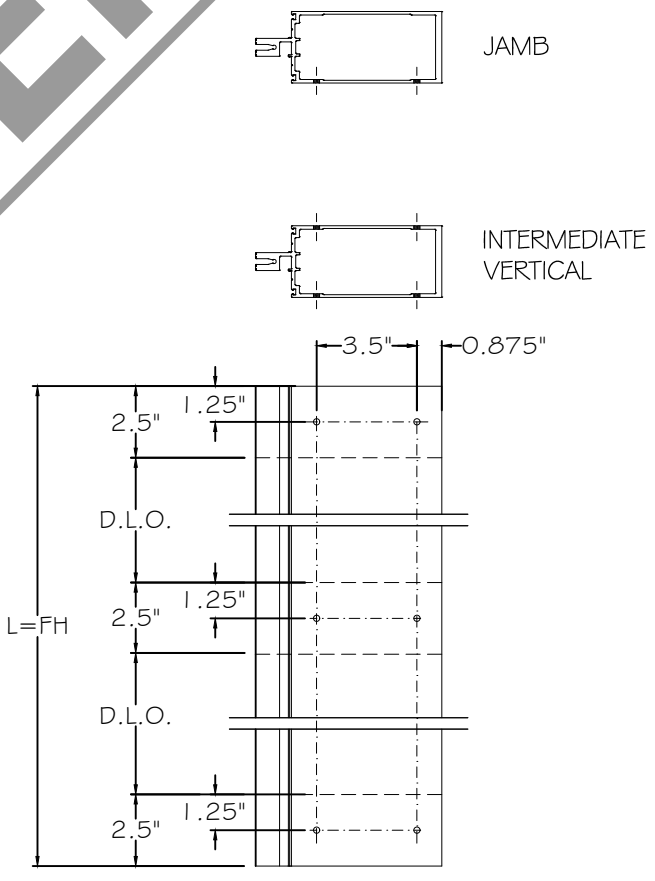
Optional steel reinforcement can be used depending on the structural requirements of the project. Go to page 17 for further information.

Verify verticals height match the height required in the shop drawings.

Shear blocks may arrived already installed. If so, adjust screws, if not follow step 4 for installation.

Do not notch verticals when using ES-6025-010 and ES-6025-011. mullion anchors



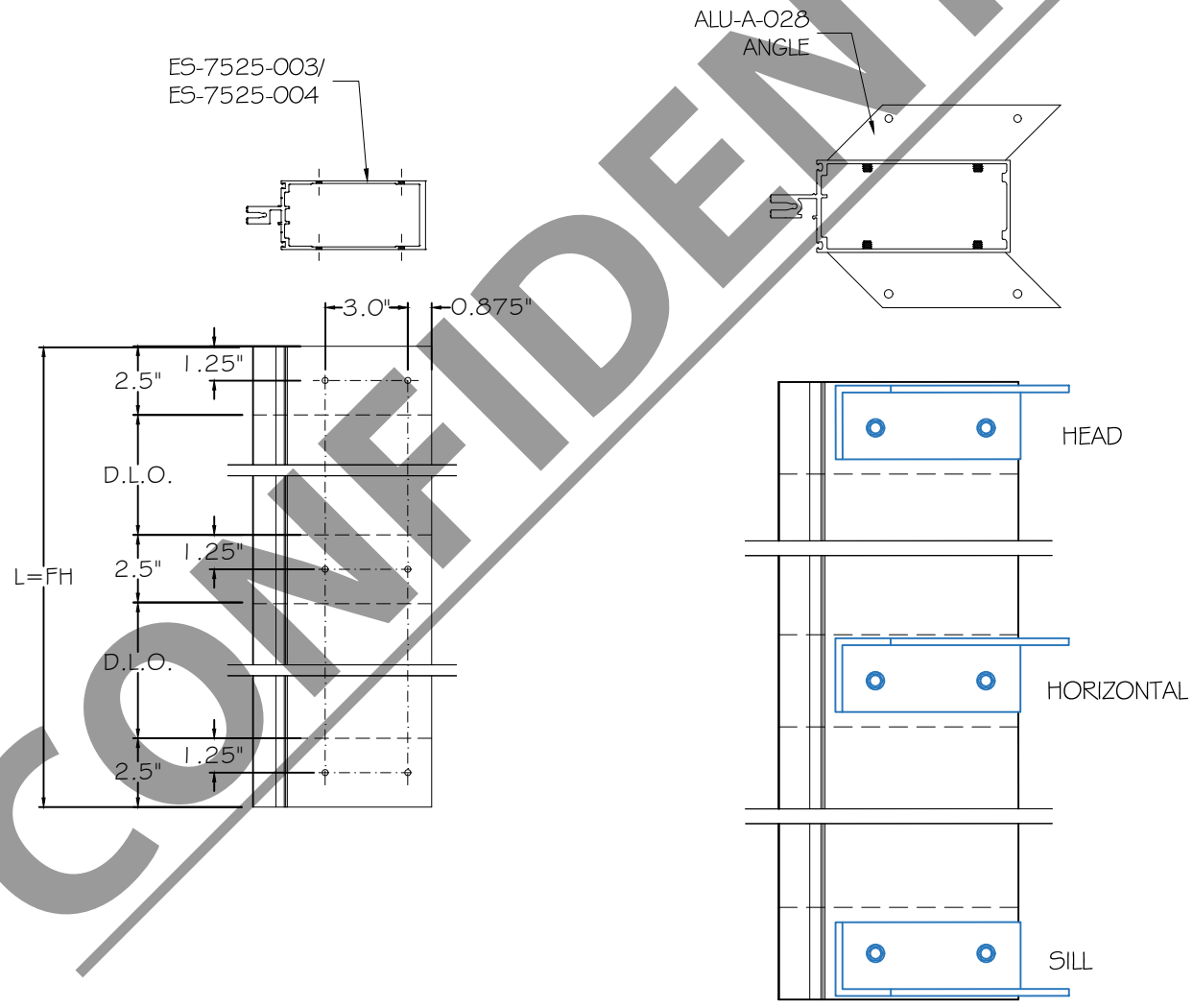




**Detail 3.3**

## VERTICAL MULLION FABRICATIONS FOR OUTSIDE CORNER:

3.5. Verify the dimensions in the vertical mullion for outside corner angles.

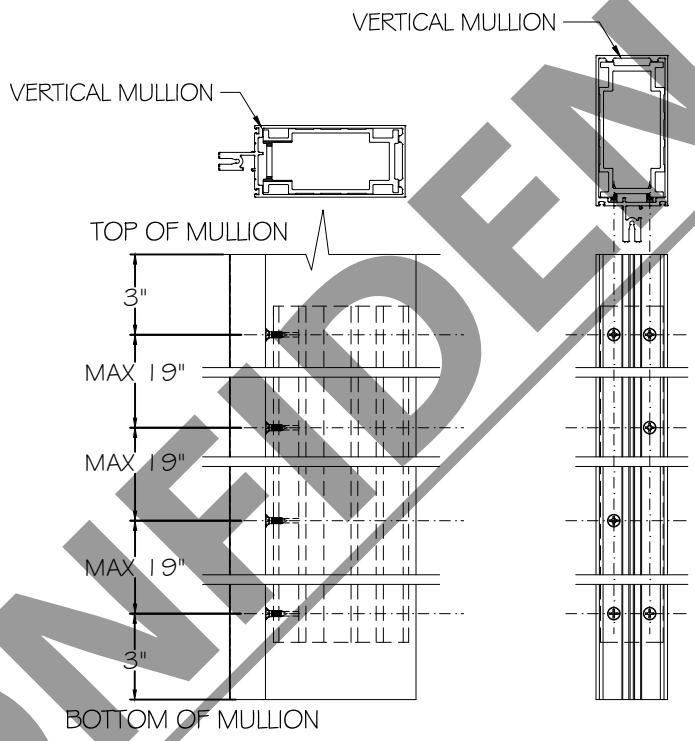
3.6. If engineering calculations require the vertical mullions to be reinforced with steel, secure reinforcement to the vertical using required fasteners. Follow step 3.7. for typical method of reinforcing.



## FABRICATIONS OF STEEL REINFORCEMENT:

3.7. Verify steel reinforcement dimensions.

The length of the reinforcement as well as the size and location of fasteners must be determined qualified engineer.

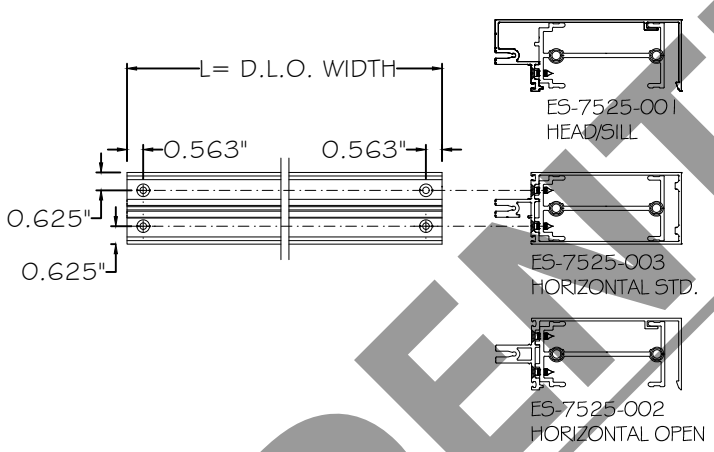



**Detail 3.7.**

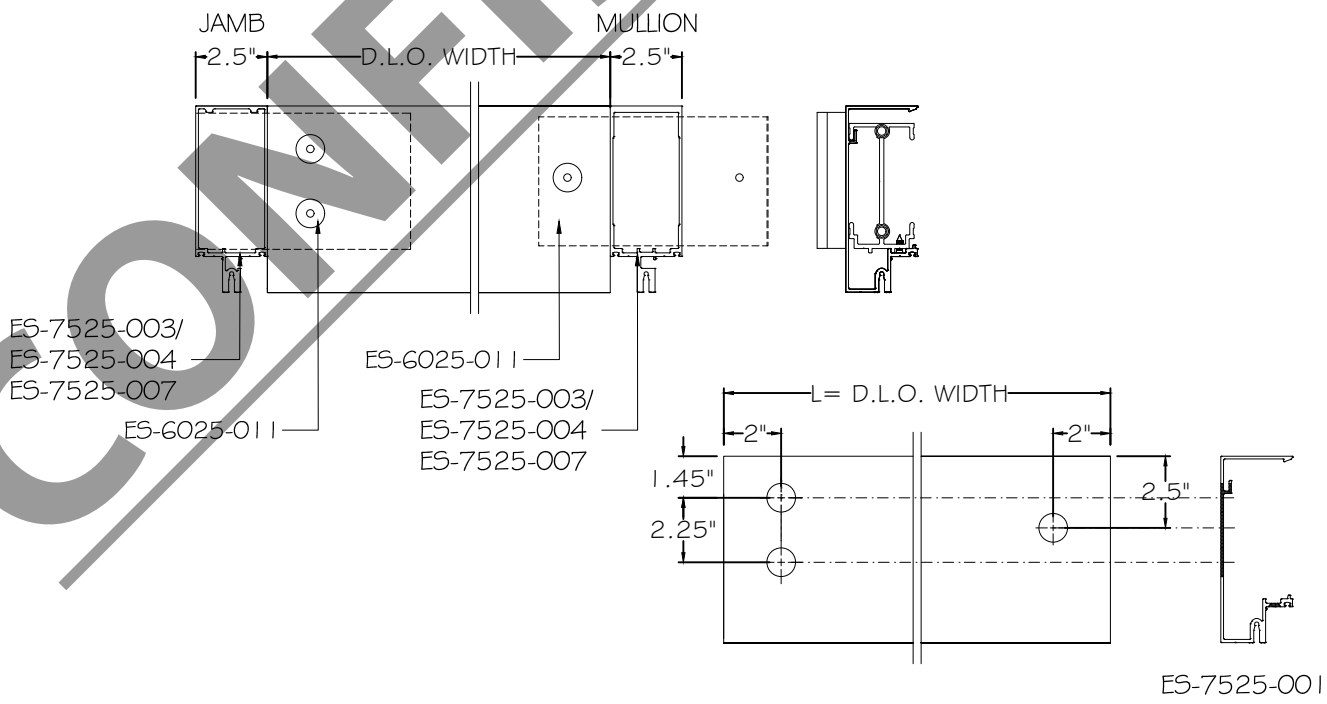
## HORIZONTAL MEMBERS FABRICATIONS:

3.8. Verify horizontals for the shear block perforations.

Verify horizontals width match the width required in the shop drawings. Width it´s expressed in terms of the D.L.O.



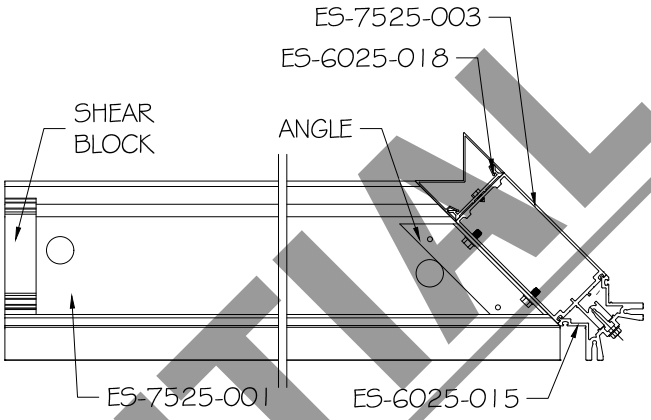

3.9. Open back head and sill members required access holes for anchor bolts.

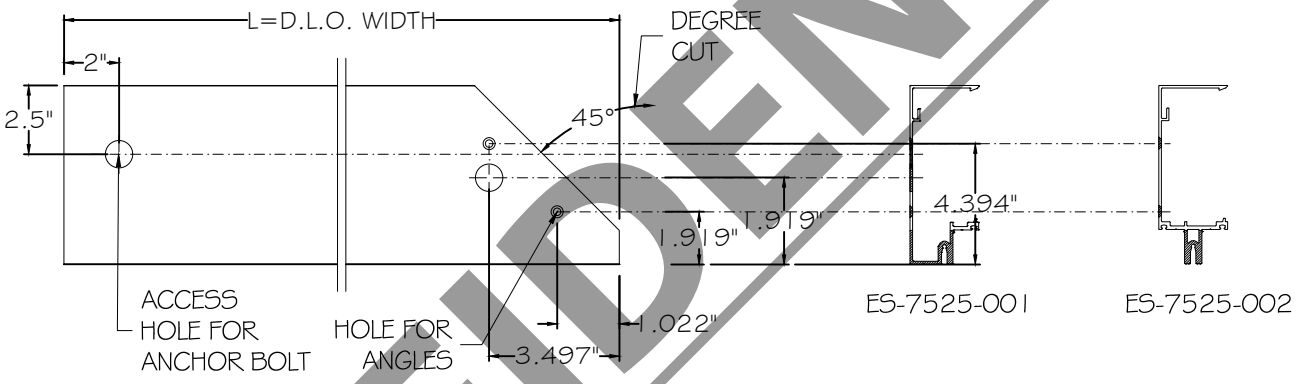


## HORIZONTAL MEMBERS FOR OUTSIDE CORNER FABRICATIONS:

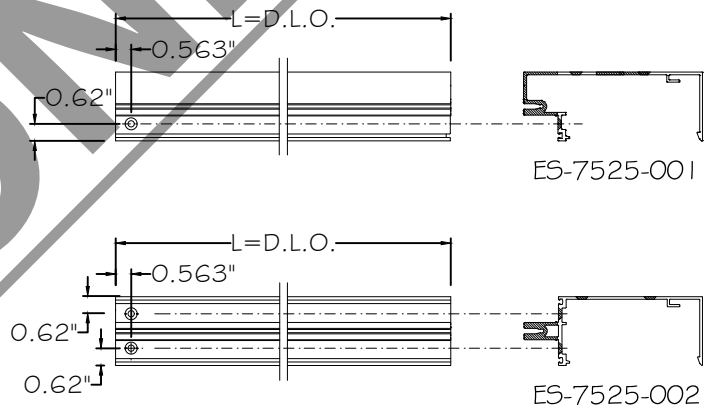
3.10. Verify that all horizontals members are cut at 45° as shown in detail.

3.11. For head and sill, verify two holes for attachment of the angles. Verify access holes.




3.12. For head and sill, verify perforations for the shear blocks.



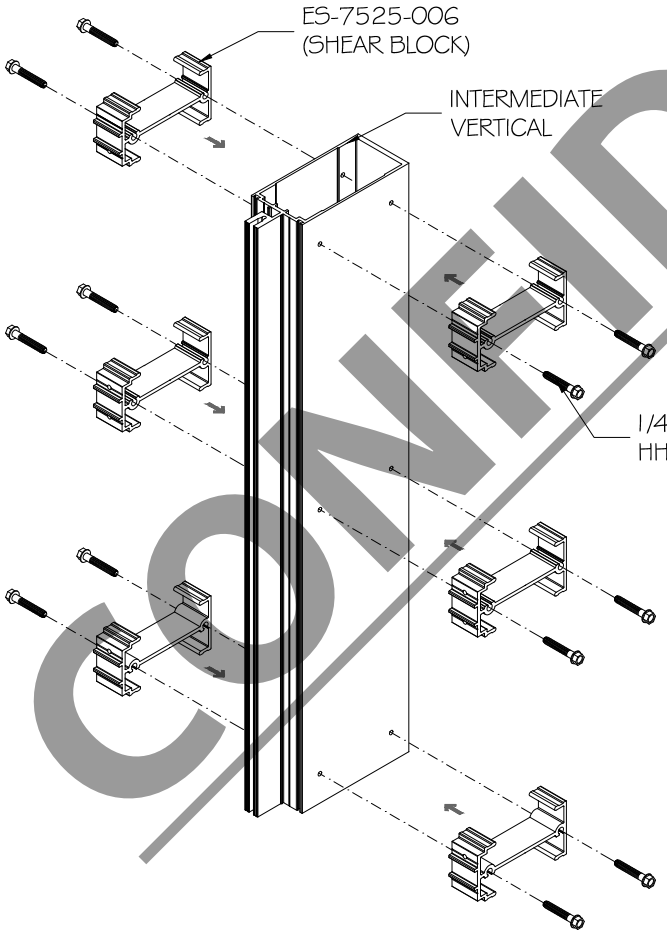
# STEP 4

## SHEAR BLOCK ASSEMBLY:

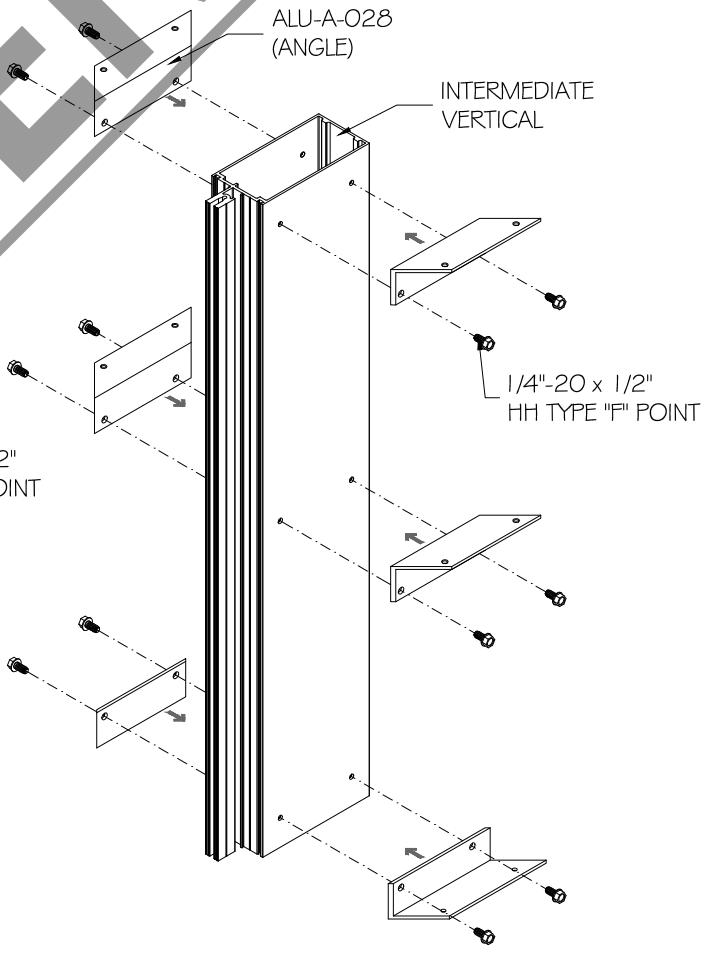
Shear blocks and corner angles are used to assemble horizontals to verticals:

4.1. Attach the shear block to the vertical with two screws as shown in detail.

4.2. For corner verticals install the corner angle. Verify the shop drawings to identify the corner angle reference to use and its location.




**Detail 3.9**




**Detail 3.10**

# STEP 5

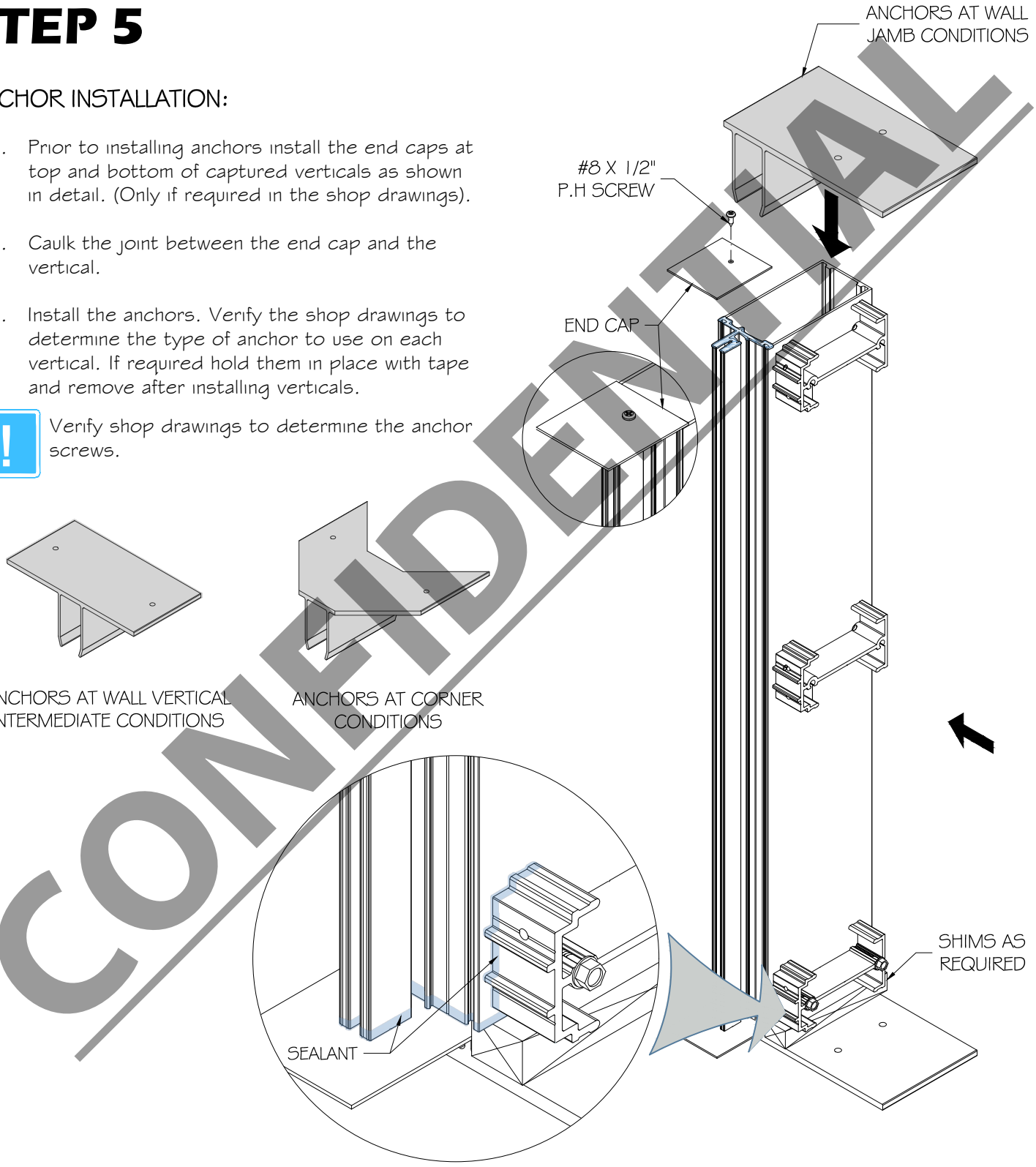
## ANCHOR INSTALLATION:

5.1. Prior to installing anchors install the end caps at top and bottom of captured verticals as shown in detail. (Only if required in the shop drawings).

5.2. Caulk the joint between the end cap and the vertical.

5.3. Install the anchors. Verify the shop drawings to determine the type of anchor to use on each vertical. If required hold them in place with tape and remove after installing verticals.

! Verify shop drawings to determine the anchor screws.



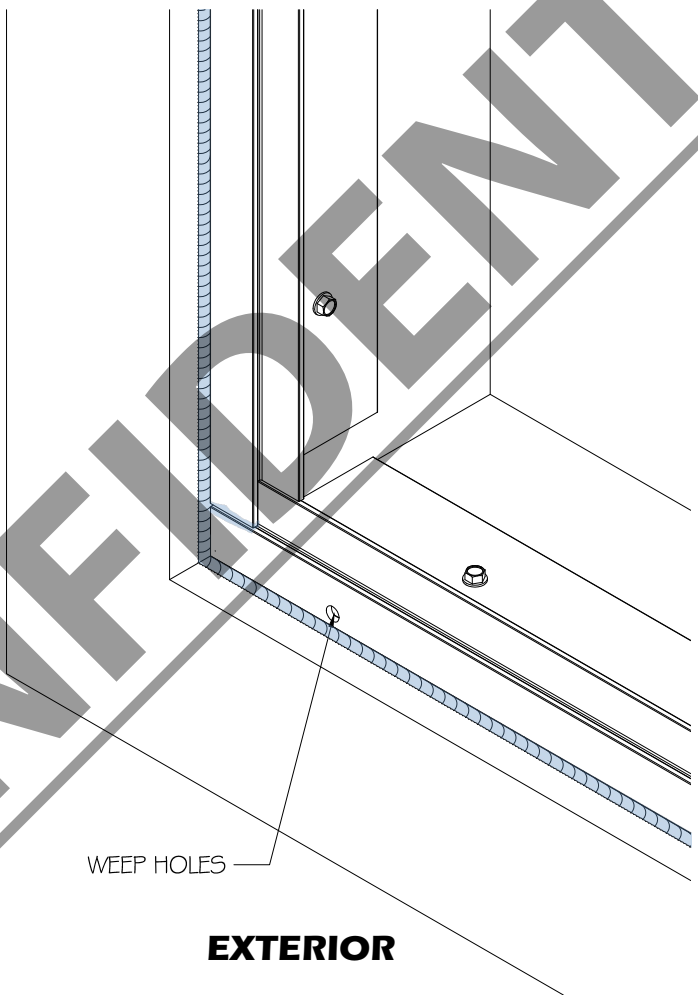
Perimeter anchor installation:

5.4. Place perimeter anchor into the opening and shim as required to level anchors.

5.5. Install perimeter anchor with required fasteners. Verify shop drawings or engineering calculations for further information about fasteners.

5.6. Apply sealant along the anchor perimeter and substrate.

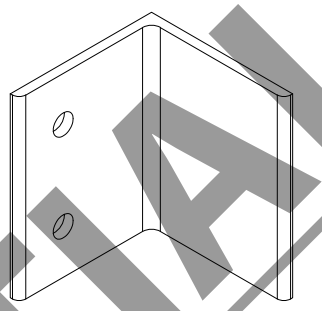
5.7. Verify 0.313" diameter weep holes at bottom perimeter anchor 3" from center line of verticals on each side.



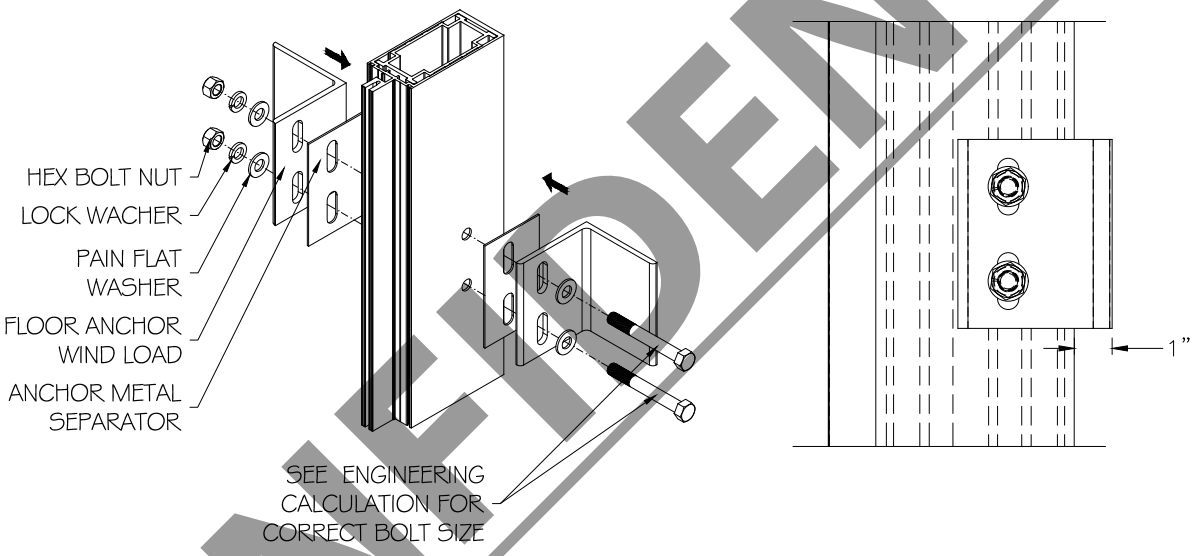

**EXTERIOR**

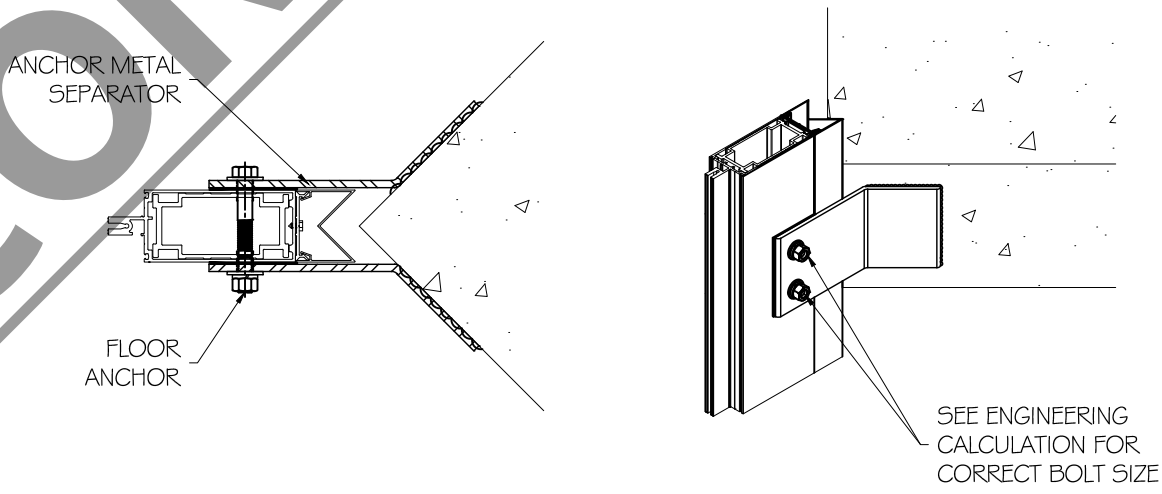
## STEEL ANCHOR INSTALLATION:

5.8. Install steel wind load and dead load anchors in the verticals. The back of the vertical mullion should be spaced 1" from the anchoring substrate.



ES-6025-M02
FLOOR ANCHOR DEAD LOAD



# STEP 6

## INSTALL TYPICAL VERTICAL SPLICE:

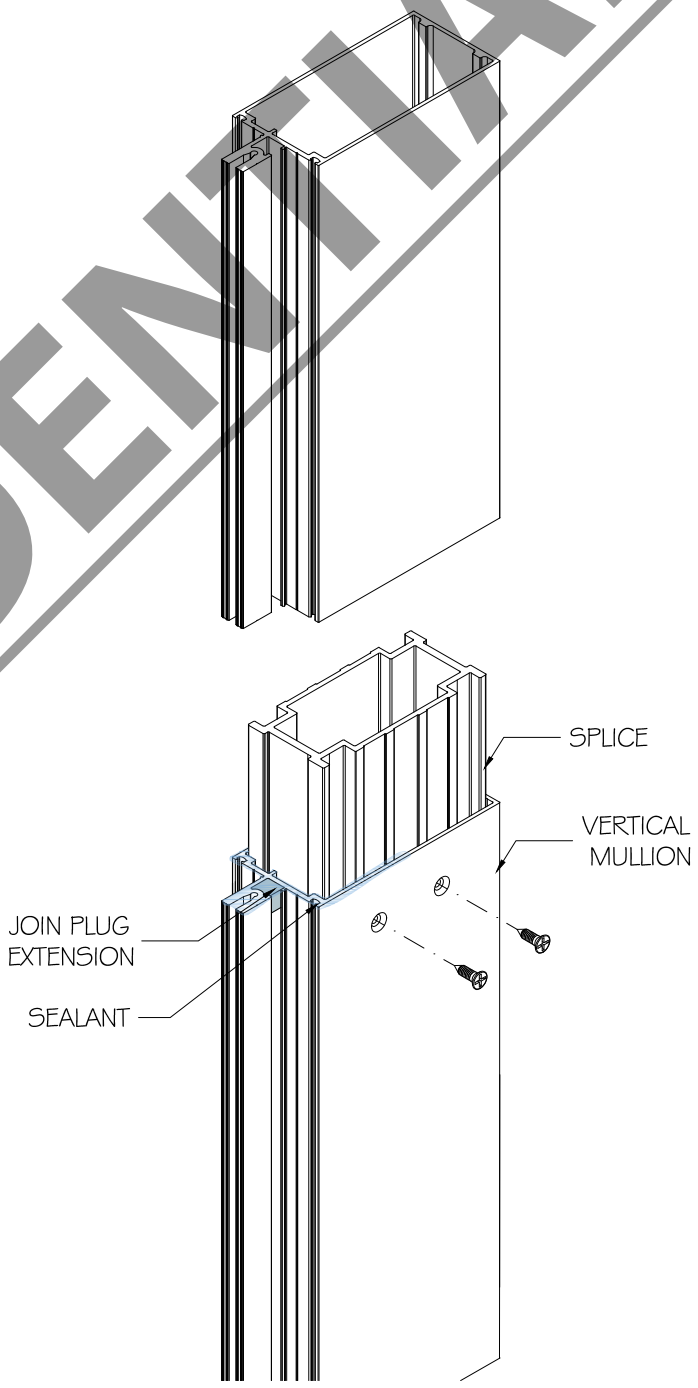
6.1. Insert a join plug extension (ES-6025-B07) in the mullion.

6.2. Install the mullion splice (ES-7525-006) and attach with required screws.

6.3. Carefully slide the upper mullion down onto the splice and place a 1/2" temporary shim between the mullions.

6.4. Clean all the surface as recommended by sealant manufacturers.

6.5. Caulk sealant into joints.




Verticals joint should be located bellow intermediate horizontals.

The required joint between verticals must be determined at the design stage and show on the approved shop drawings. The actual width of this joint depends on the expected amount of thermal movement plus the expected movement of the building structure.

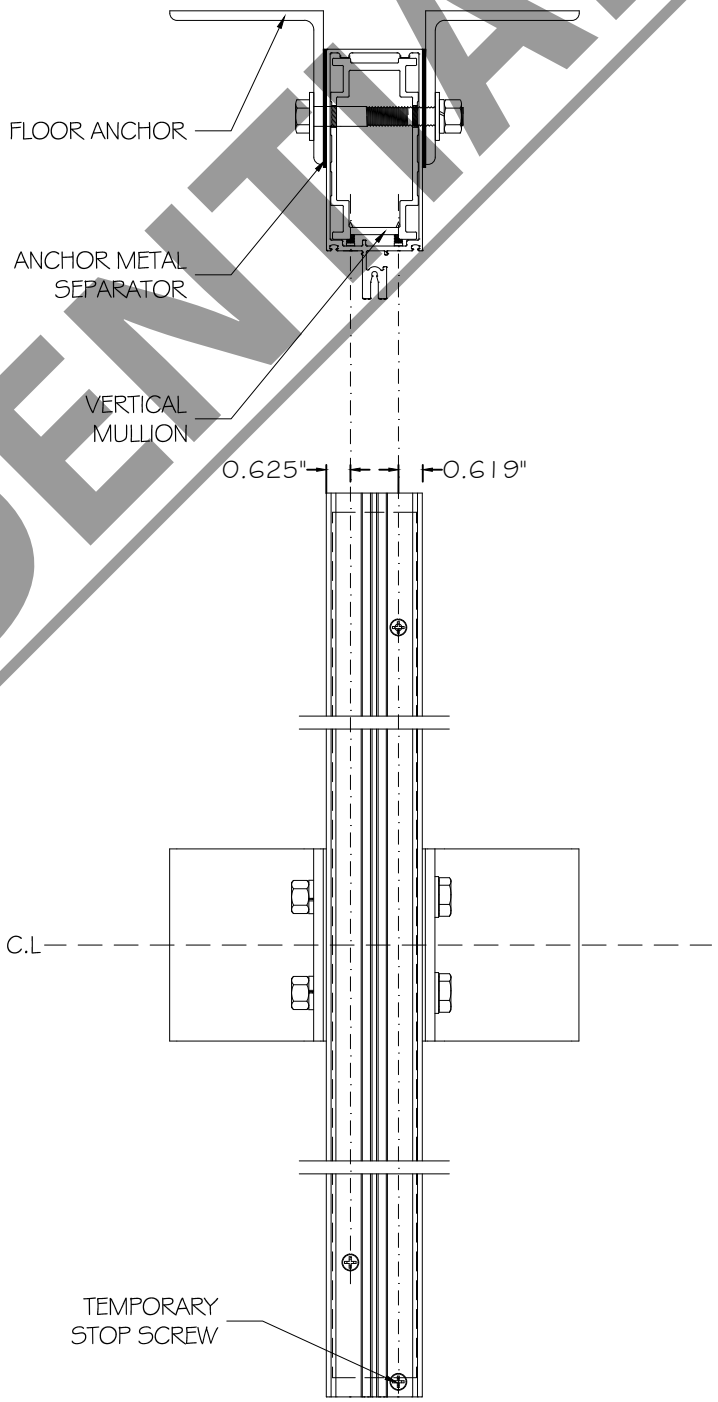
# STEP 7

## REINFORCEMENT INSTALLATION:

7.1. Slide reinforcement into mullion. Align reinforcement center with anchor center.

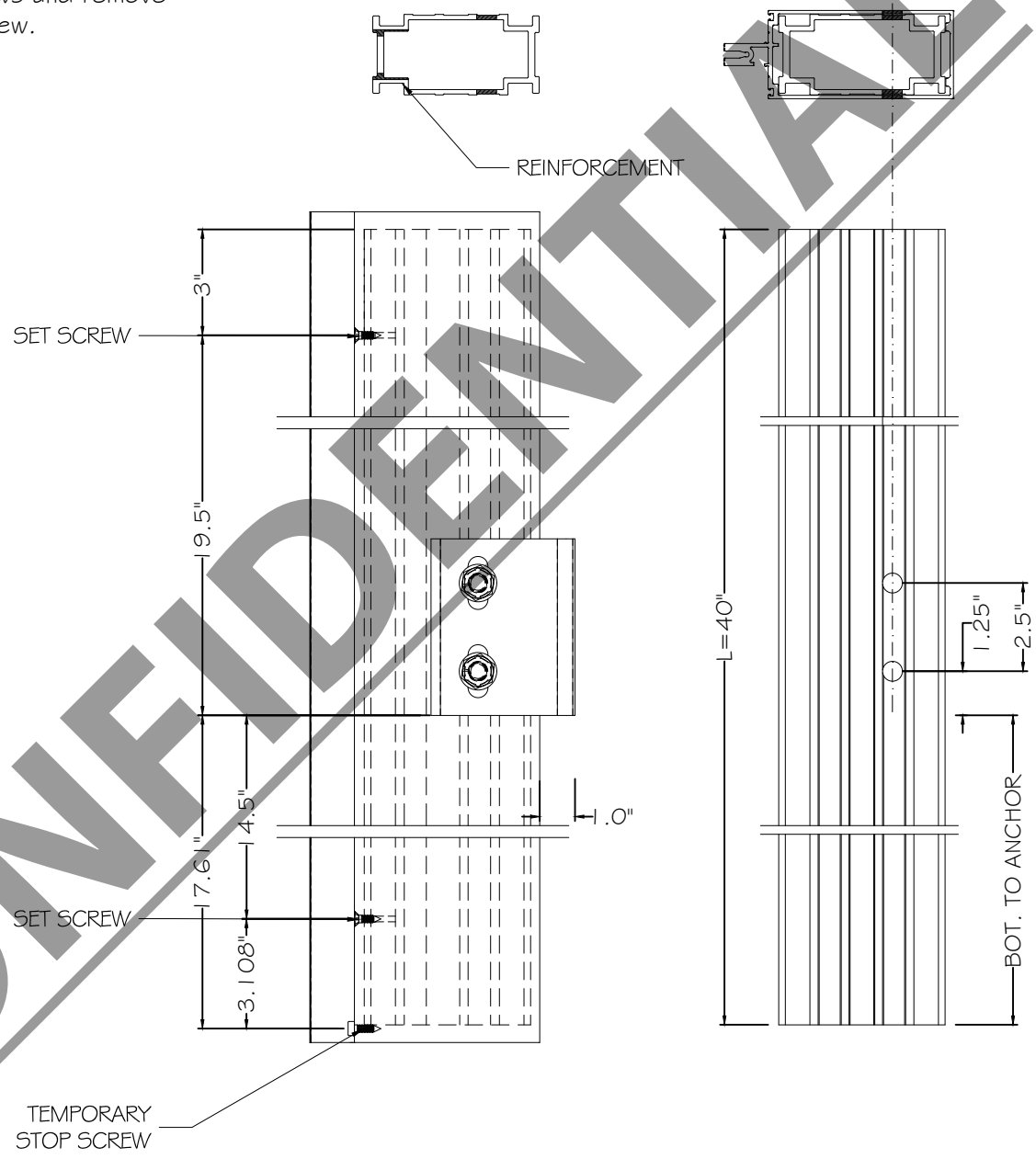
7.2. Put stop screw into first hole of the vertical from bottom to top.

7.3. Install the vertical mullions in position and attach to the building structure per the "approved" shop drawings.




Checking stress levels at point load areas will require different anchors or possibly steel reinforcement. A qualified engineer, should do these calculation.
The hex nut bolt must be tightened to completely compress the spring lock washer.

7.4. Install final set screws and remove temporary stop screw.



# STEP 8

## HORIZONTAL MEMBERS INSTALLATION:

Clean surfaces with isopropyl alcohol (50%) and the "two rag method" before applying silicone.

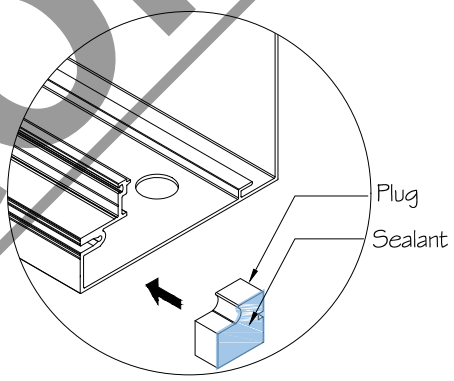
The profile surface must be clean and dry before applying the sealant. Apply required primer if necessary.

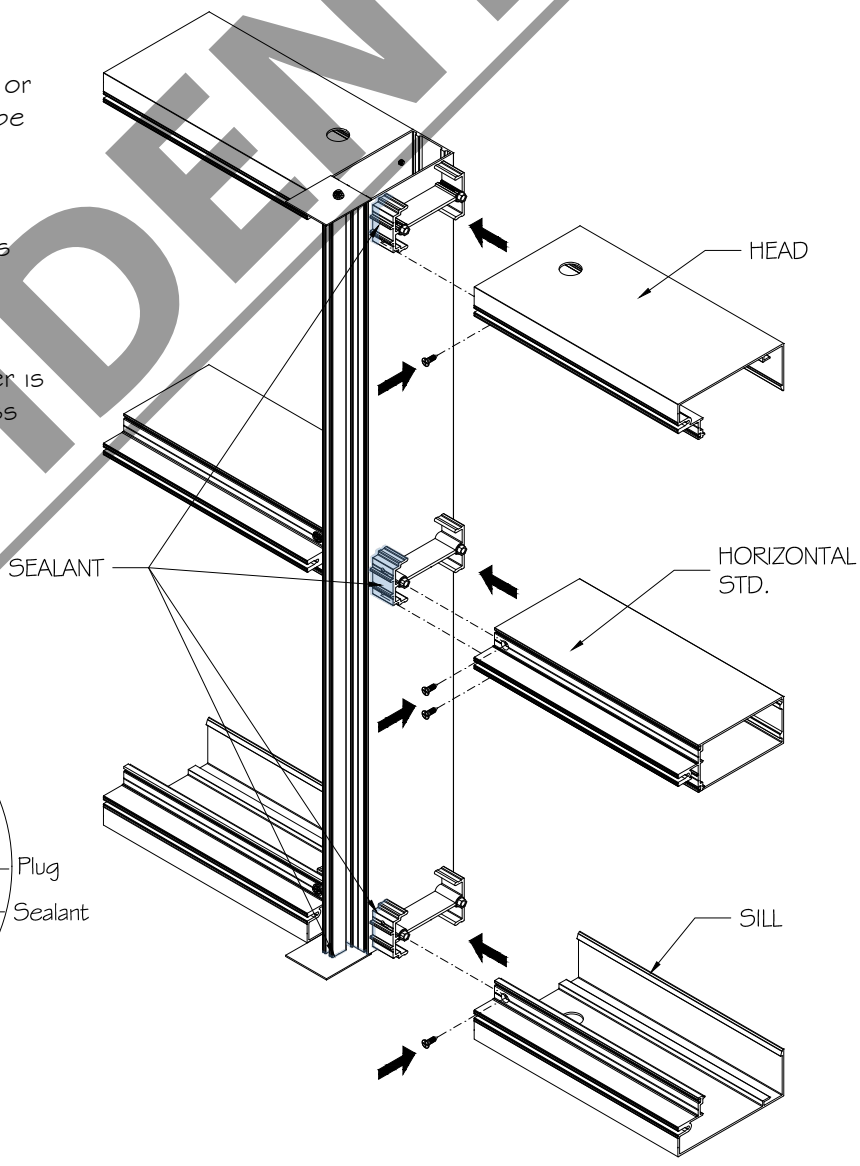
8.1. Prior to installing horizontals apply silicone D.C.791 around the end dam or corner angle where the horizontal will be located.

8.2. Install horizontals attaching them with screws to shear blocks/corner angle as shown in detail (seal the head of the screws).

8.3. Make sure that the horizontal perimeter is completely sealed and clean the excess of silicone.

8.4. Insert plug to seal sill ends.

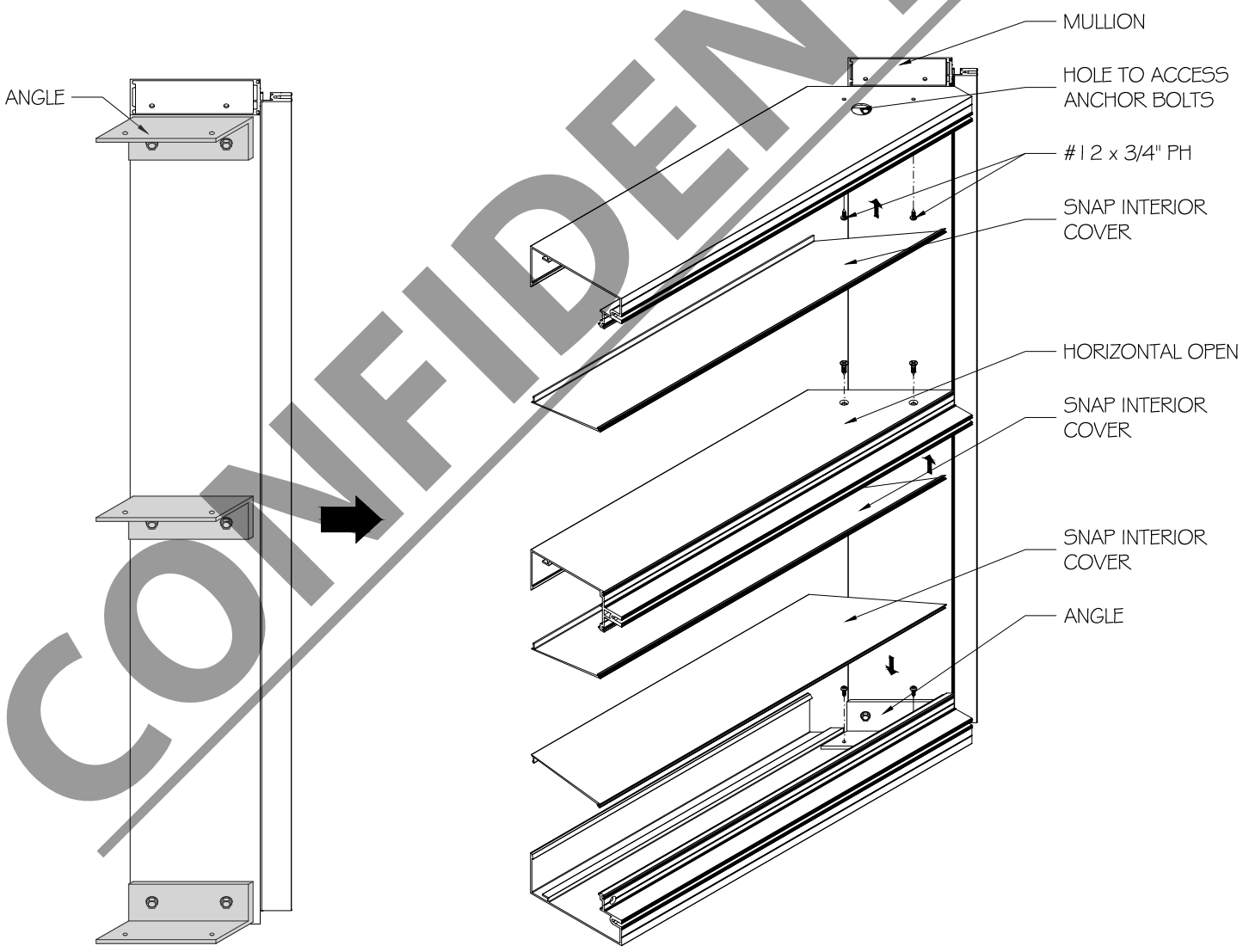


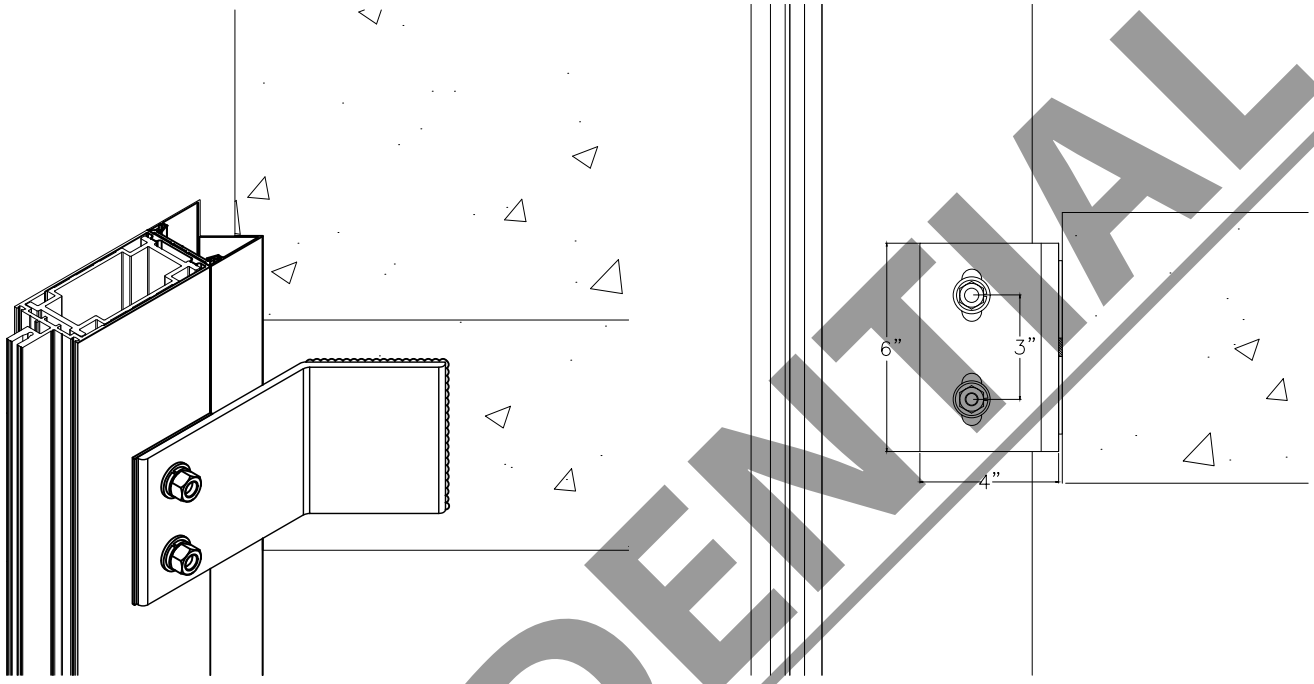
## HORIZONTAL MEMBERS OUTSIDE CORNER INSTALLATION:

8.5. Follow steps 7.1 to 7.4 to install corner horizontals. From outside corner, cut the snap interior cover (ES-7525-005) to D.L.O. - 5/16".

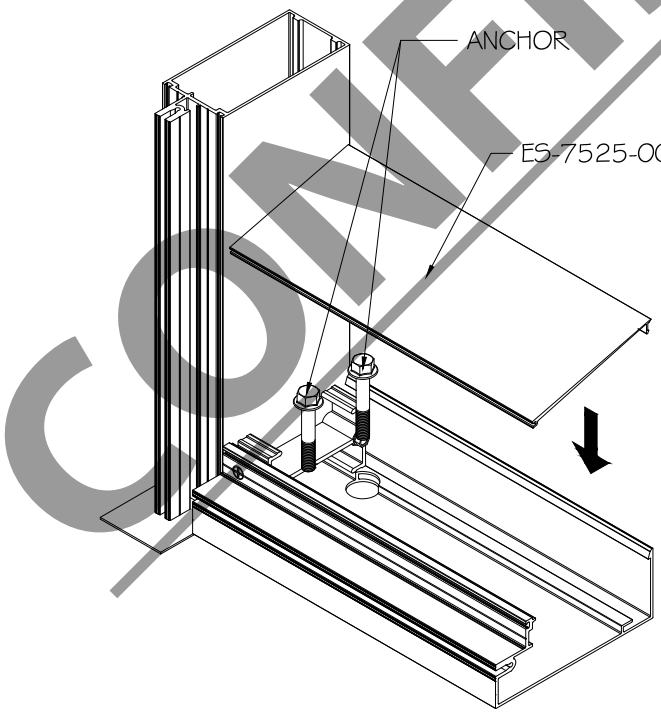
Outside corner RH configuration shown.
Outside corner LH configuration is similar.

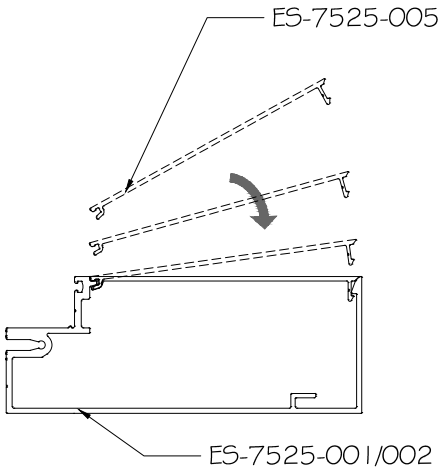


8.6. Install pre-assembled frame and weld verticals to the substrate.




8.7. Install anchor screws per approved shop drawings and install snap cover (ES-6025-005) as shown in detail.



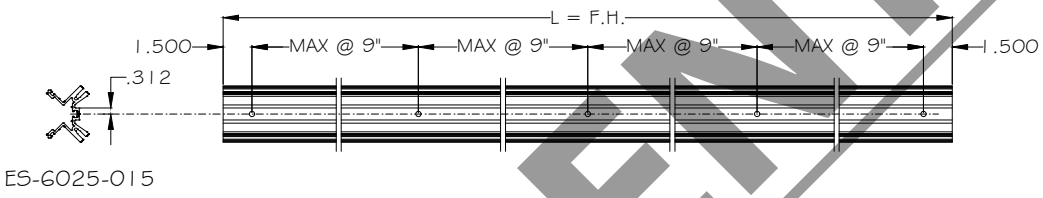



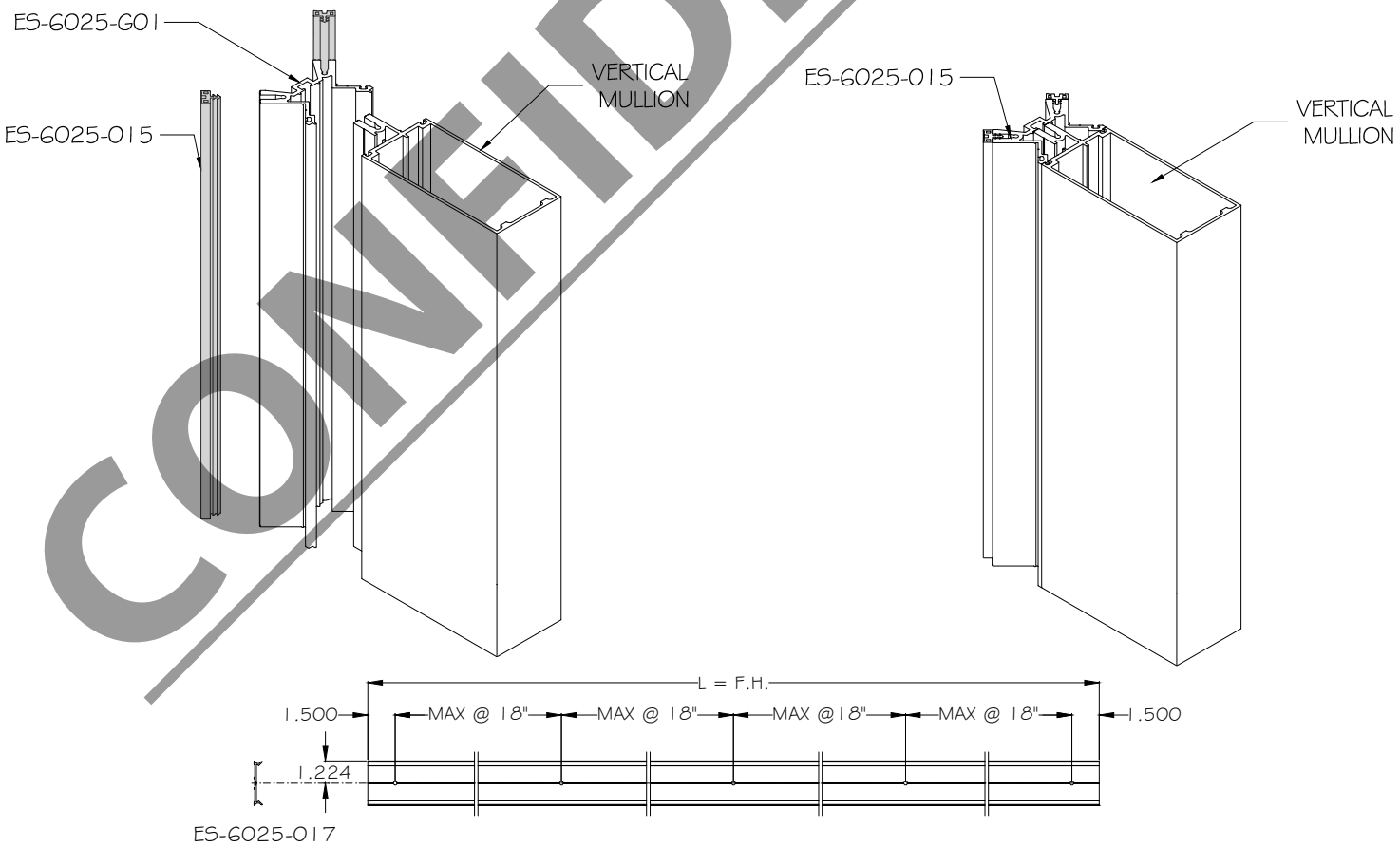
# STEP 9

## INSTALL 90° ADAPTER:

9.1. Install 90° adapter (ES-6025-015) to vertical mullion, with fasteners every 9" O.C. and no more than 1.500" from each on both sides of the adaptor as the detail.

9.2. Install vertical gasket (ES-6025-G02).

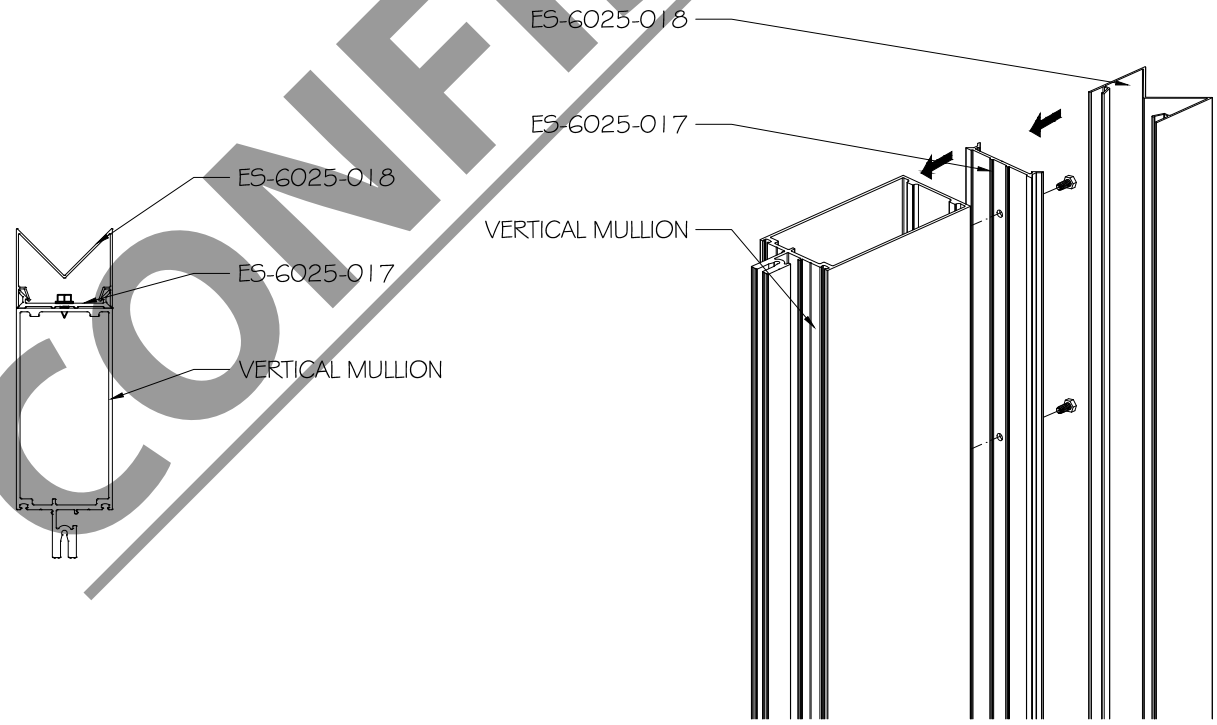


# STEP 10

## INSTALL 90° INTERIOR COVER:

10.1. Install the 90° interior cover as shown in the detail.

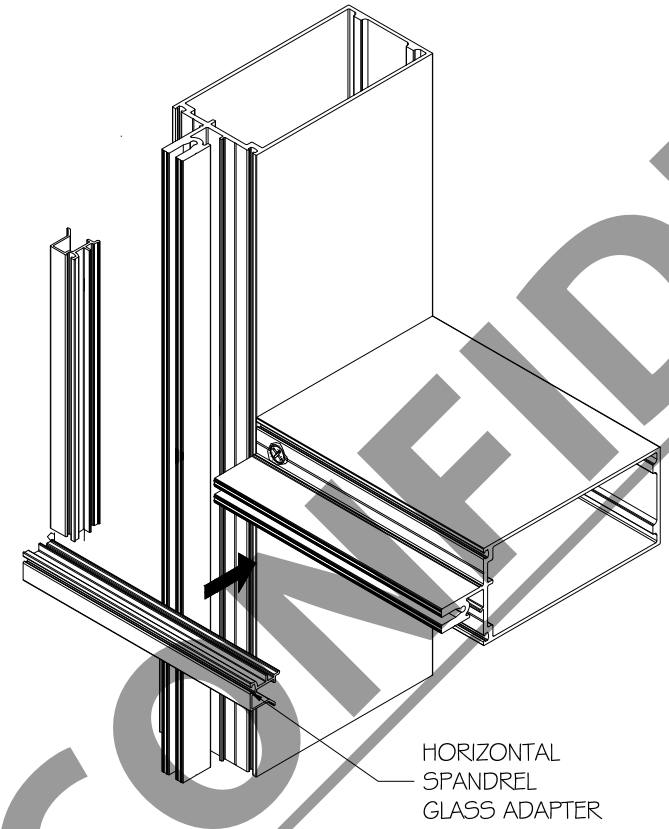



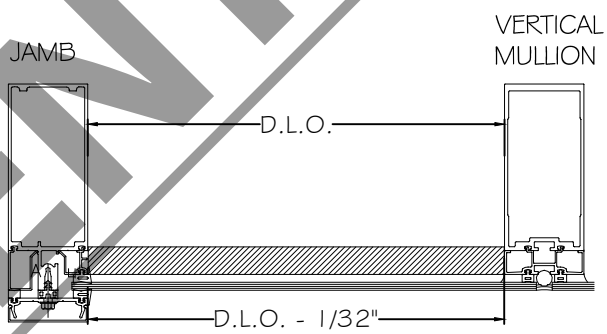
# STEP 11

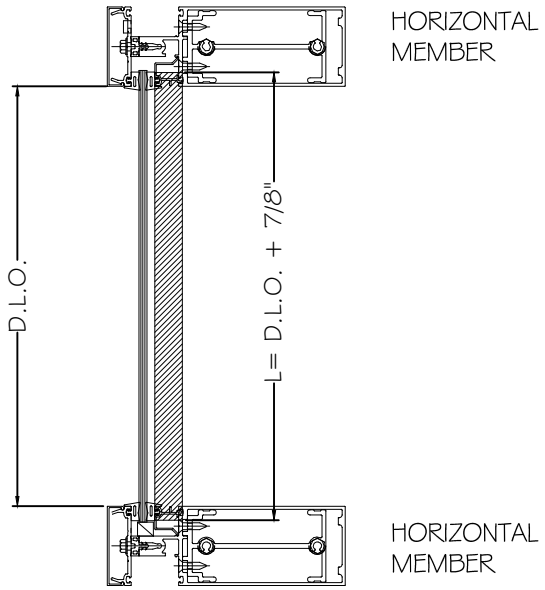
## INSTALL SPANDREL GLASS ADAPTOR AND POCKET FILLER:

11.1. Install spandrel glass adaptor for 1/4" glass (when required).

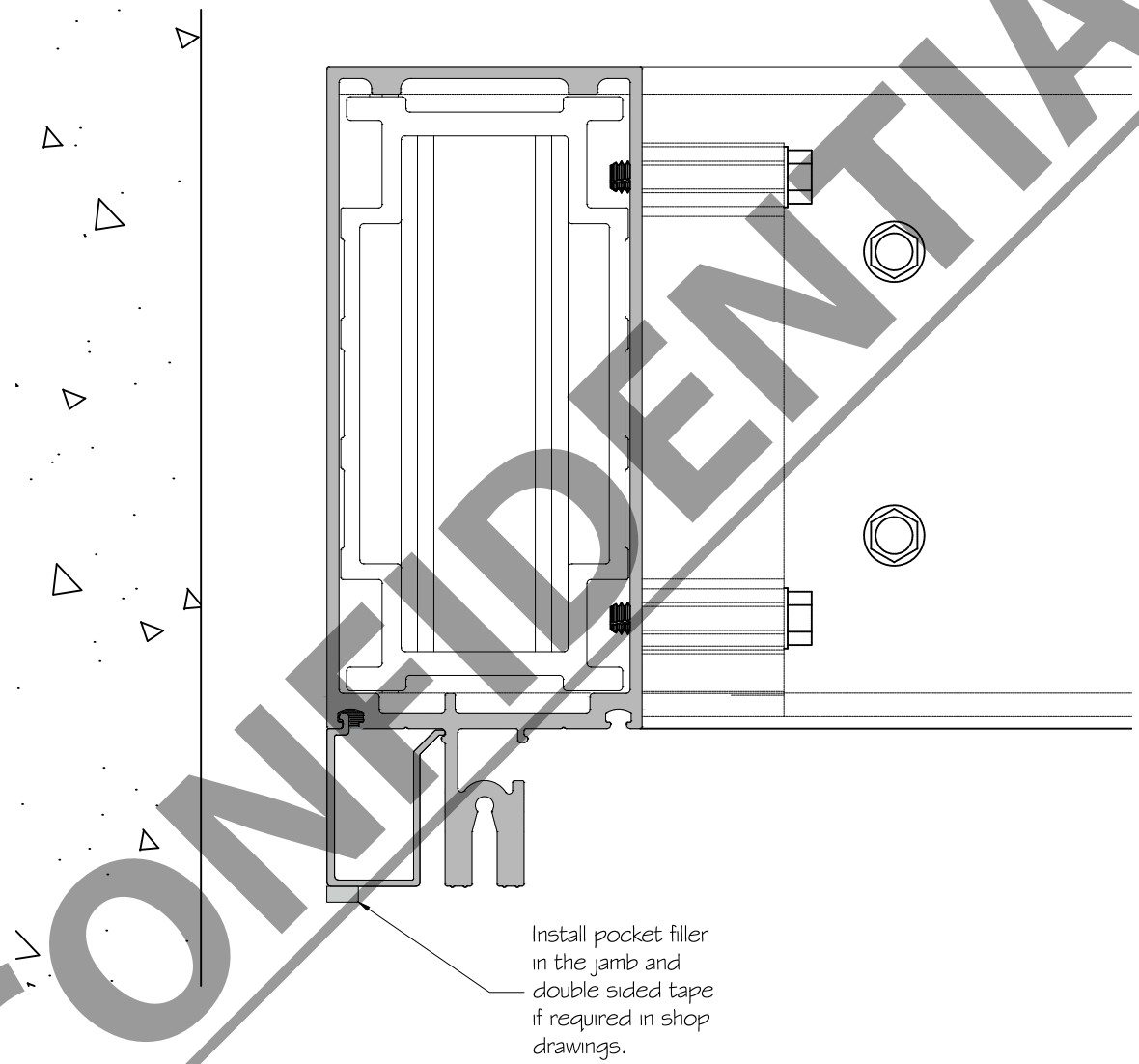
11.2. Center vertical adaptors in openings as show in detail.



11.3. Install pocket filler to jambs as shown in detail.



# STEP 12

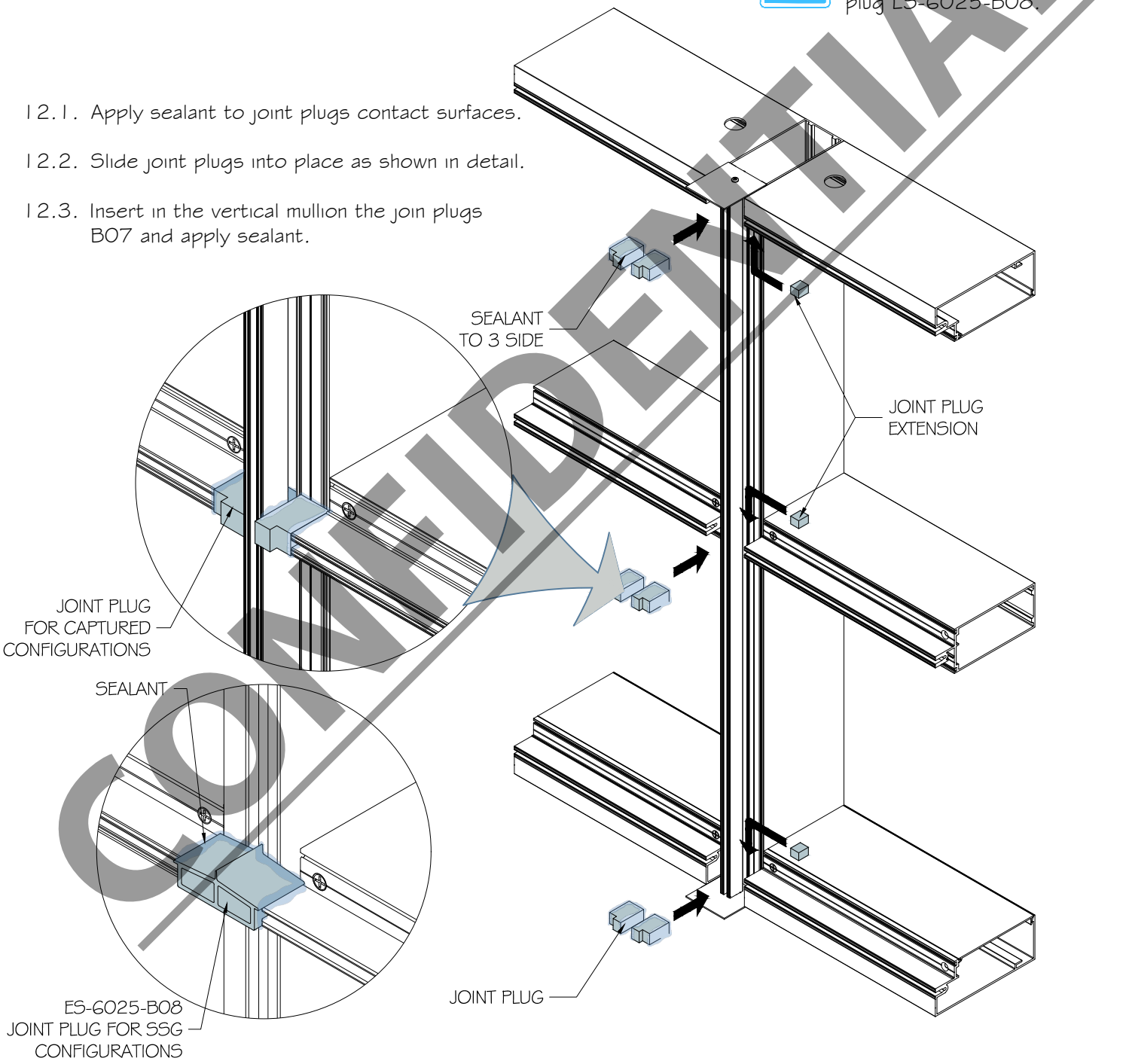
INSTALL JOINT PLUGS:

For vertical mullion SSG, use the joint plug ES-6025-B08.

12.1. Apply sealant to joint plugs contact surfaces.

12.2. Slide joint plugs into place as shown in detail.

12.3. Insert in the vertical mullion the join plugs B07 and apply sealant.

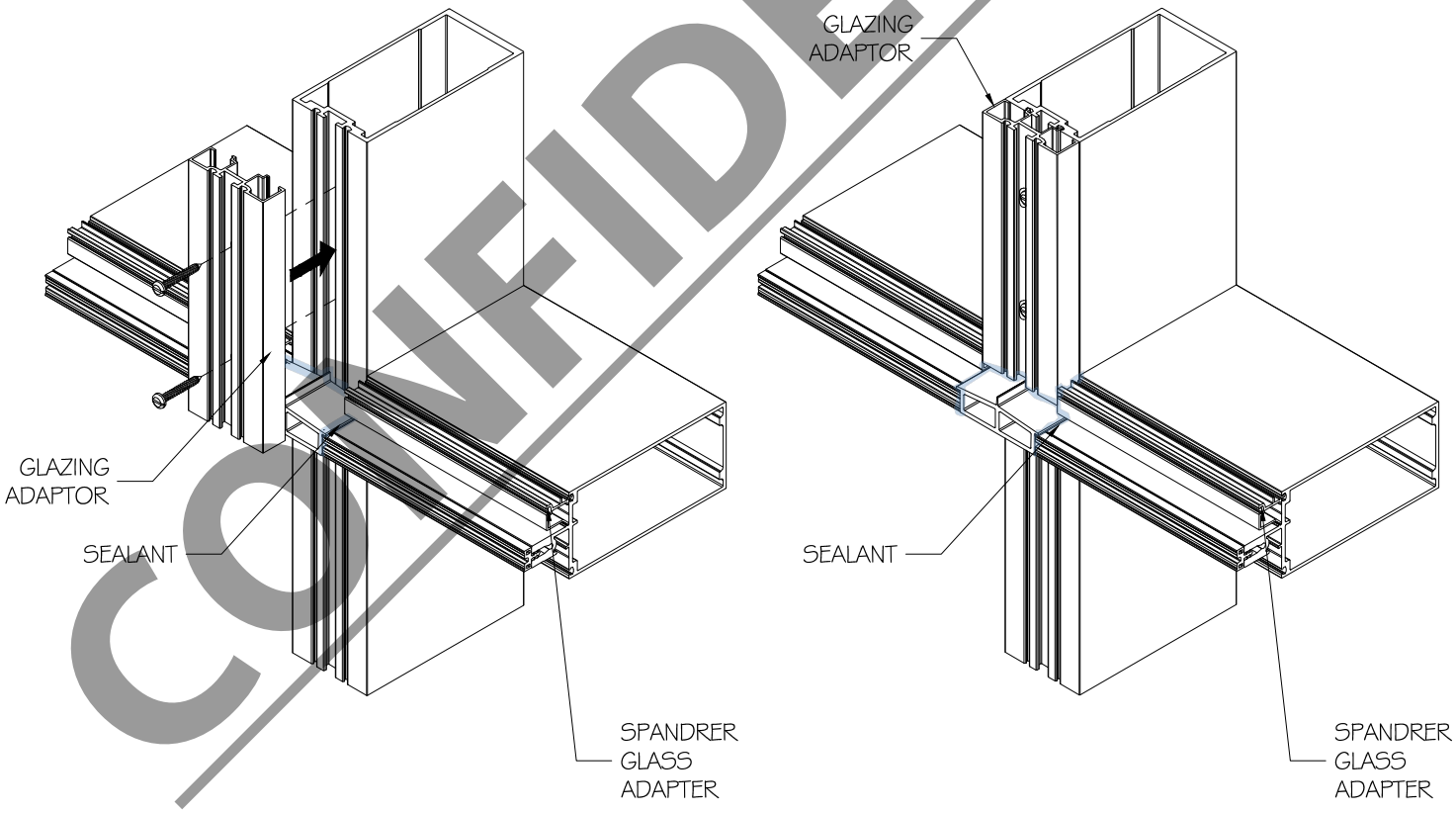


# STEP 13

INSTALL GLAZING ADAPTOR (FOR SSG CONFIGURATIONS):

13.1. Apply sealant to adaptors ends and snap adaptors into mullions matching holes in the mullion.

13.2. Caulk sealant into joints.

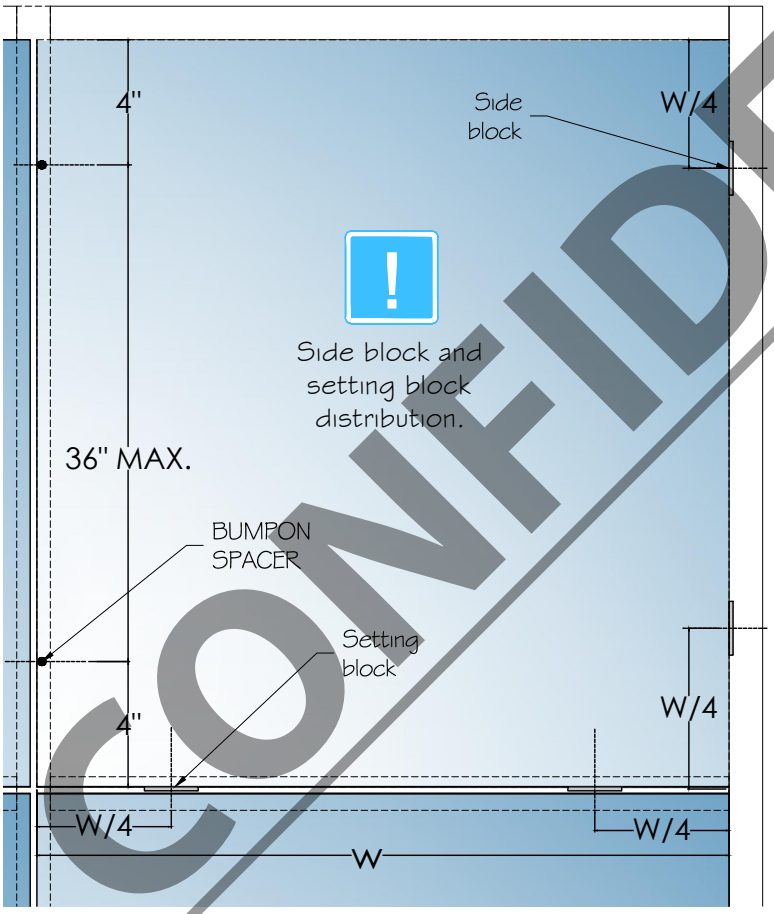


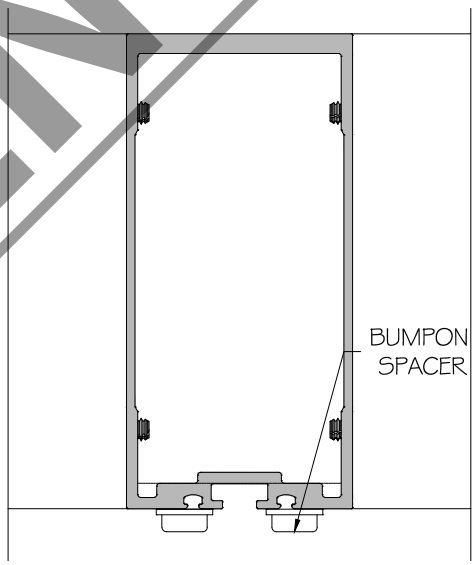
# STEP 14

## SETTING BLOCK AND SIDE BLOCK INSTALLATION:

14.1. Install two setting blocks for each D.L.O, at 1/4" points of D.L.O. or minimum of 6" from edge of glass, whichever is greater.

14.2. Install side block at $\frac{1}{4}$ points of D.L.O.



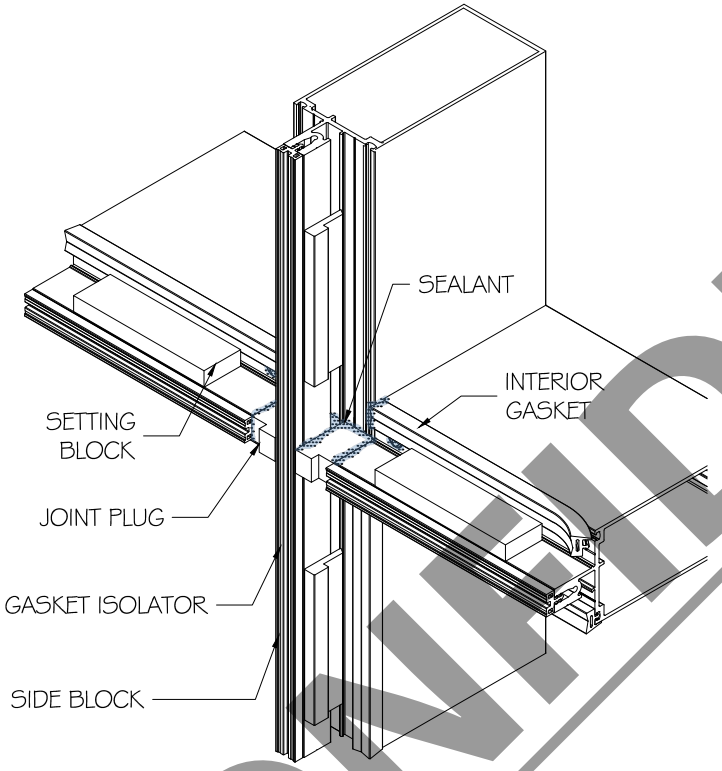

For SSG configurations install bumpon spacer self adhesive 0.50" x 0.250" at 36" O.C

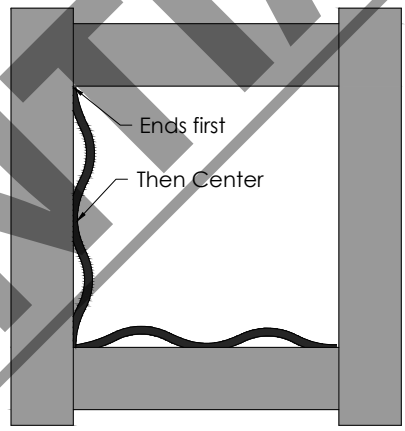
14.13. Apply silicone sealant into gasket reglet at corner.

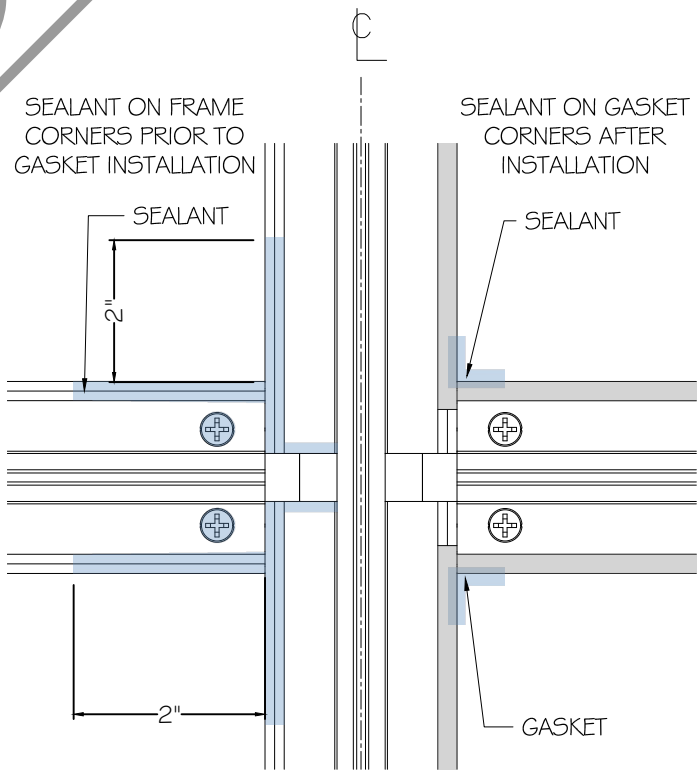
14.14. Review the length of the gaskets.
Vertical gasket: D.L.O. + 1 1/2".
Horizontal gasket: D.L.O. + 3/16"

14.15. Install vertical gaskets first, centered along the D.L.O.

14.16. Install horizontal glazing gasket next: Insert the gasket into the reglet at each end first. Snap the rest of the glazing gasket into the reglet starting at the center and work towards each end. Pull the last 3" of each gasket away from the reglet. Reinsert the ends of the gaskets pressing them firmly against the face of the mullions.




Apply sealant to gaskets reglet 2" in each direction prior to installing interior gaskets.

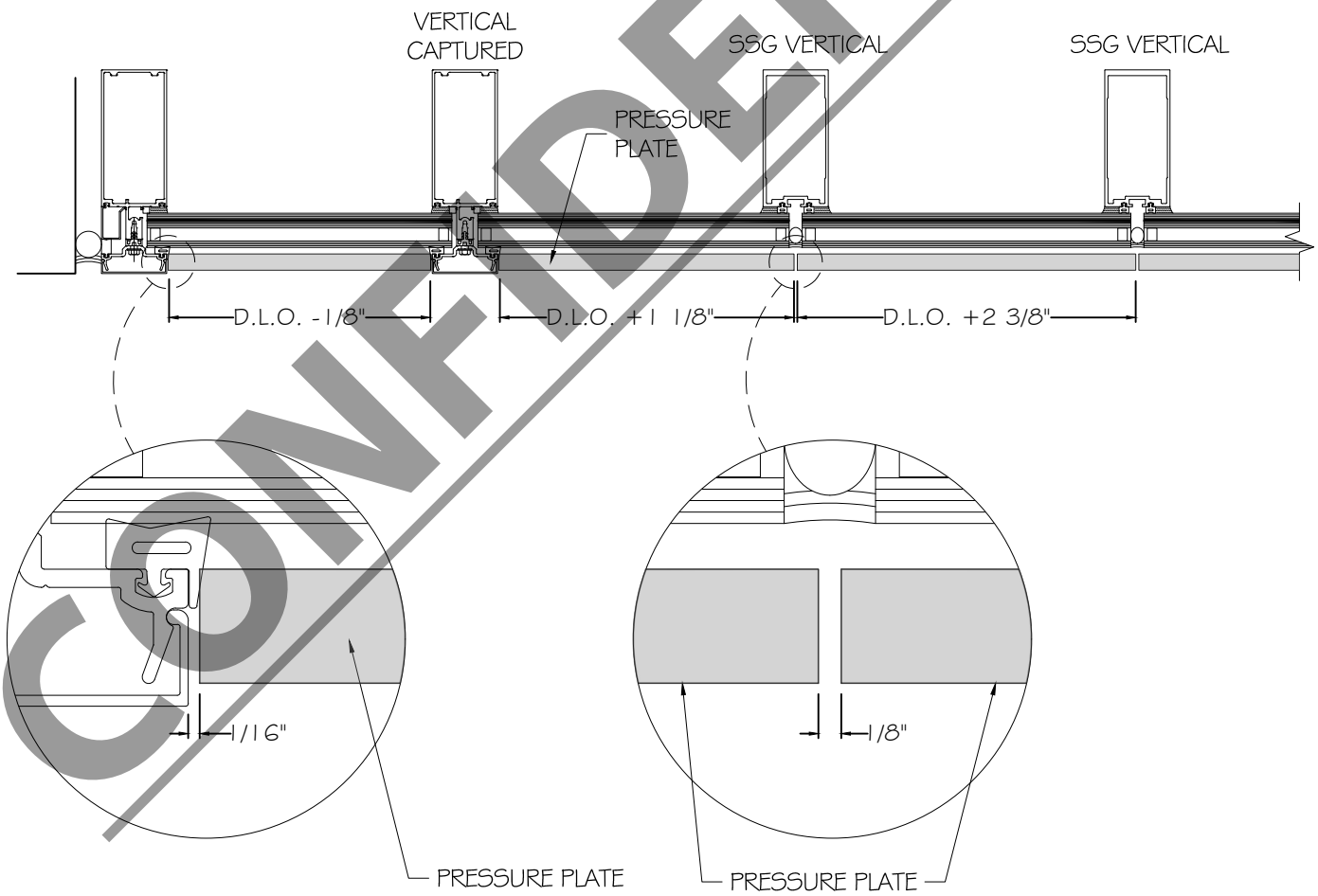
# STEP 15

## INSTALL GLASS:

## VERIFY PRESSURE PLATE LENGTH:

15.1. Verify pressure plate length as shown in detail.

15.2. All pressure plates have pre-fabricated punched holes.

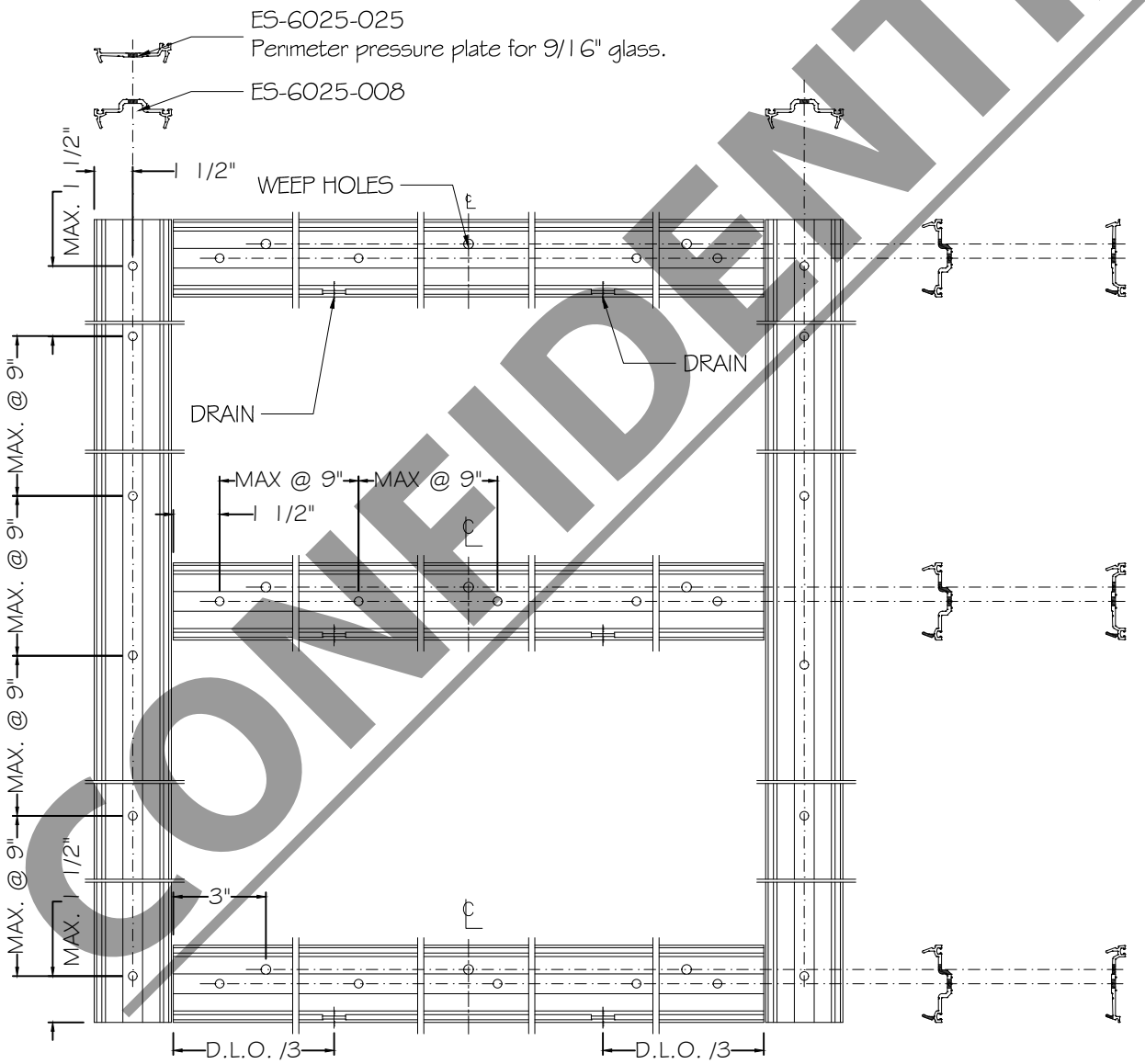


## PRESSURE PLATE LAYOUT:

For horizontal pressure plates weep holes must be facing towards the bottom of the unit.

15.3. Verify weep holes and anchor holes. fabrications on the pressure plates

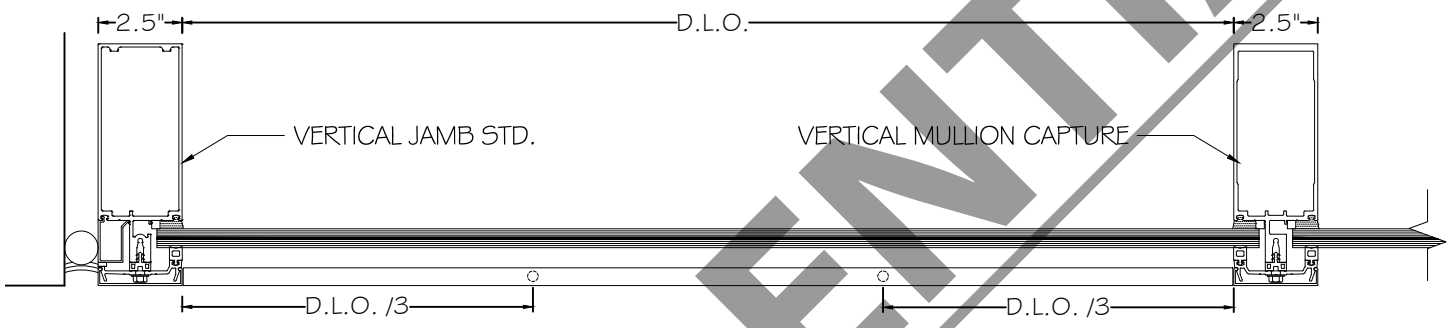
15.4. Pressure plates must be centered in D.L.O. leaving 1/16" gaps at each end.



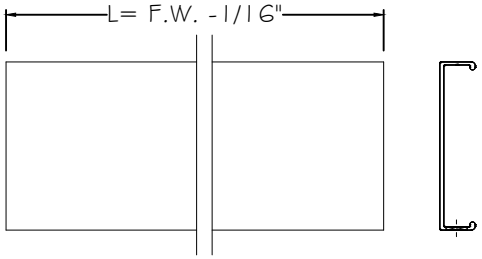
## VERIFY COVERS LENGTH:

15.5. For horizontal members, verify that horizontal covers length is F.W.-1/16".

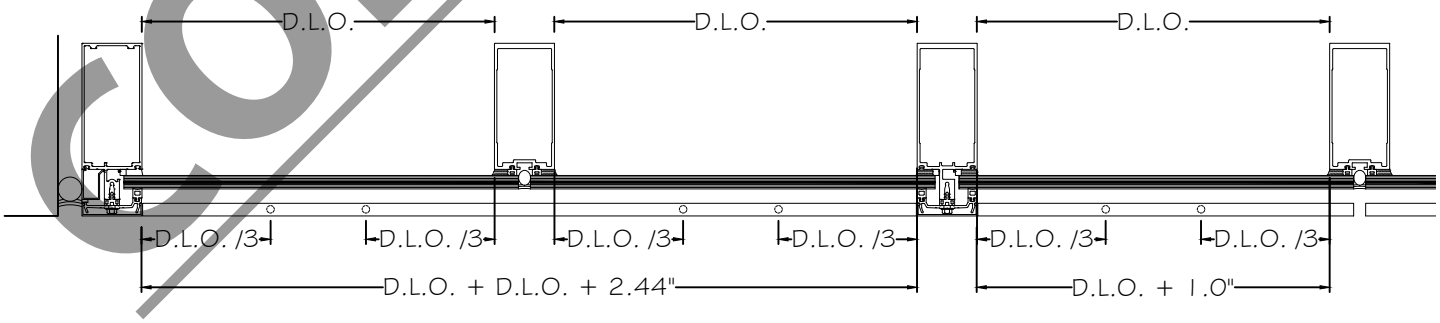
15.6. Verify the weep holes at 1/3 points of covers as shown in detail.




For SSG vertical mullions horizontal covers are continuous between captured verticals.



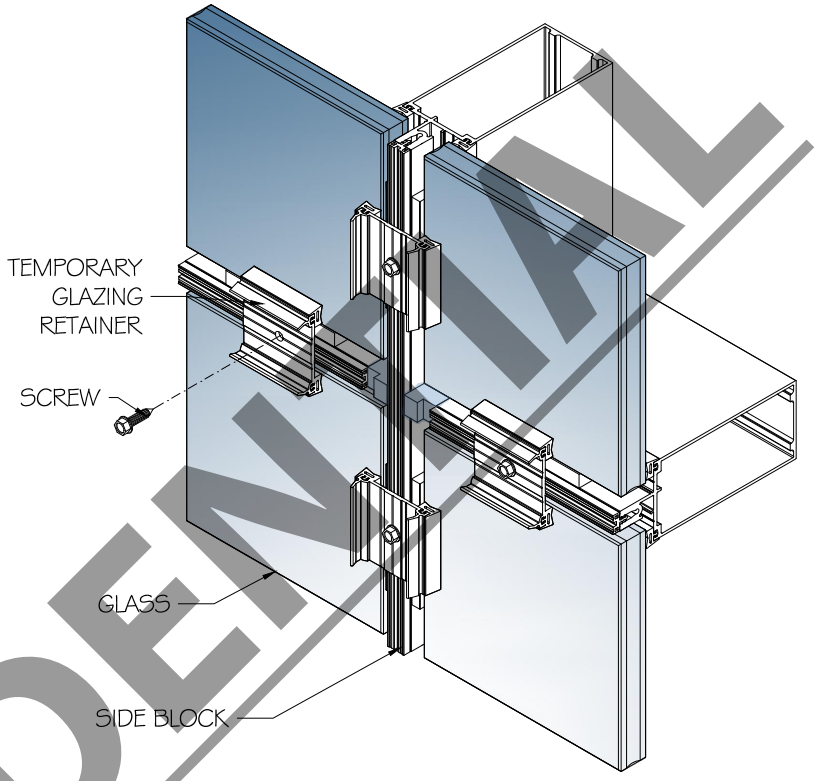

ES-6025-009



## INSTALL GLASS:

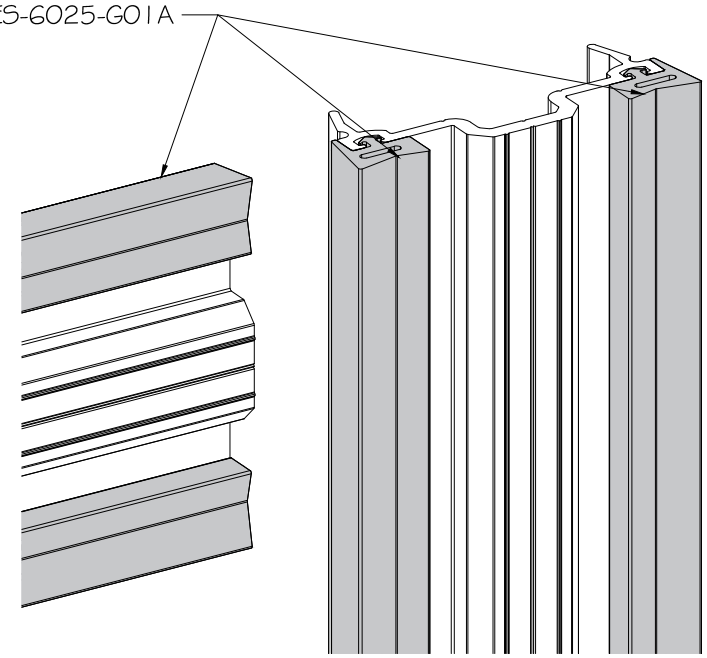
15.7. For captured configurations install glass considering glass bite and secure with 4" pressure plates at 3" from glass edges.

Glass bite may vary depending on the glazing configurations. Verify shop drawings to determine the glass bite.




**Detail 13.7**

15.8. Prior to Installing final pressure plates, Verify exterior gaskets as shown in detail.




**Detail 13.8**

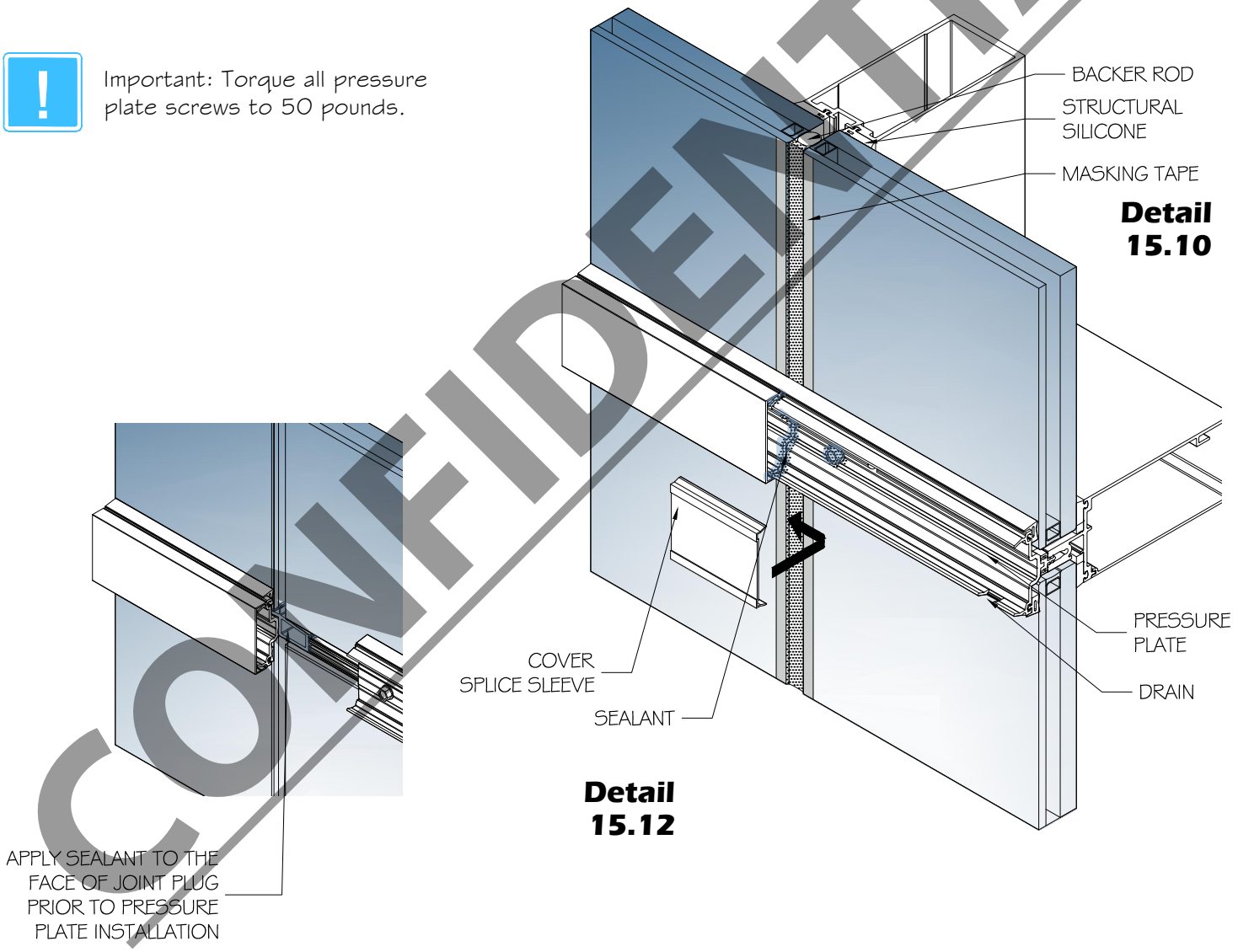
15.9. Prior to Installing final pressure plates, Verify exterior gaskets as shown in detail.

15.10. Insert a backer rod and apply weatherproofing sealant (D.C 795) at SSG verticals glass joint and between pressure plates.

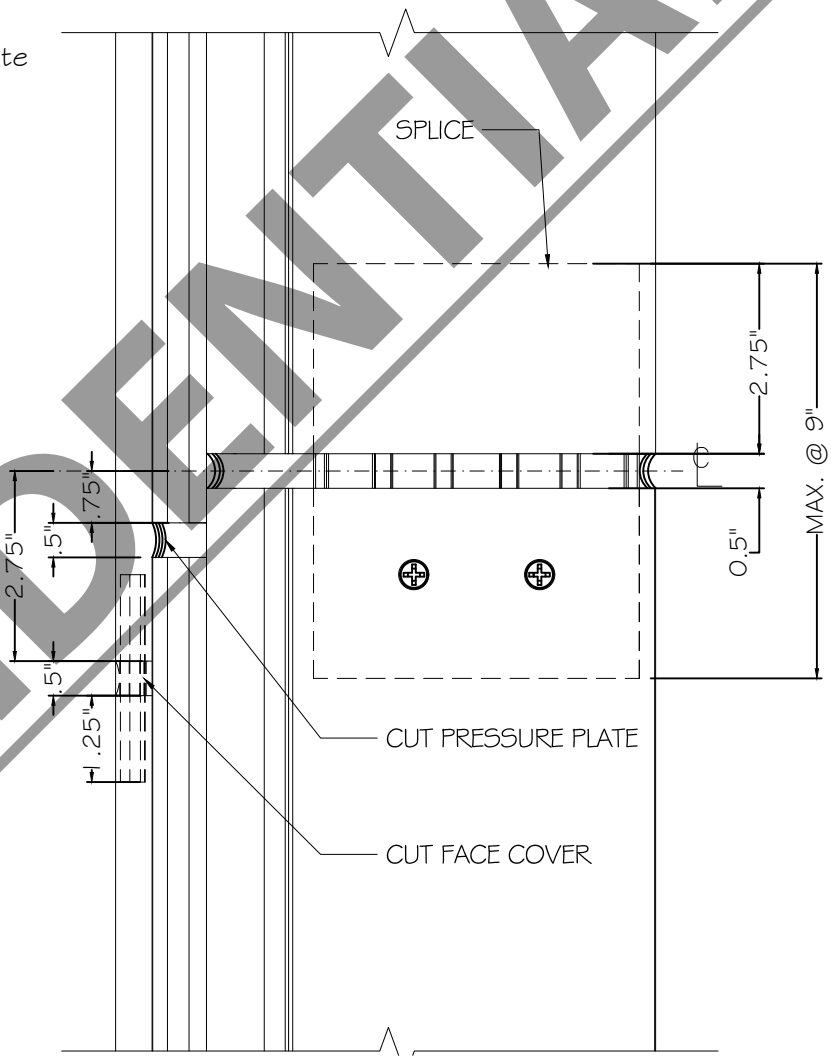
15.11. Seal gaps at vertical/horizontal intersections, screw heads at top and bottom of vertical pressure plate.

15.12. Install first cover section on one side of the glass joint and insert one cover splice in the sides of the cover.

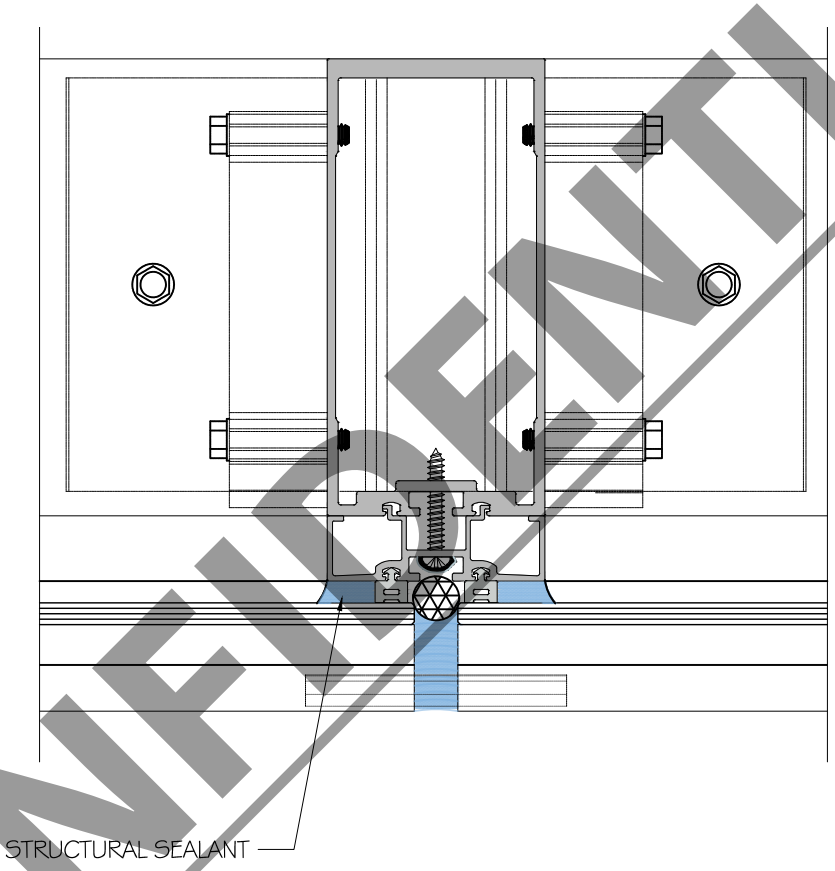
Important: Torque all pressure plate screws to 50 pounds.



Important: For spliced verticals locate vertical pressure plates joint 0.75" bellow the splice joint as shown in detail bellow.



15.13. For SSG Verticals and horizontals with structural sealant protect glass and aluminum with masking tape and apply required structural sealant (D.C 995) to glass verticals perimeter.

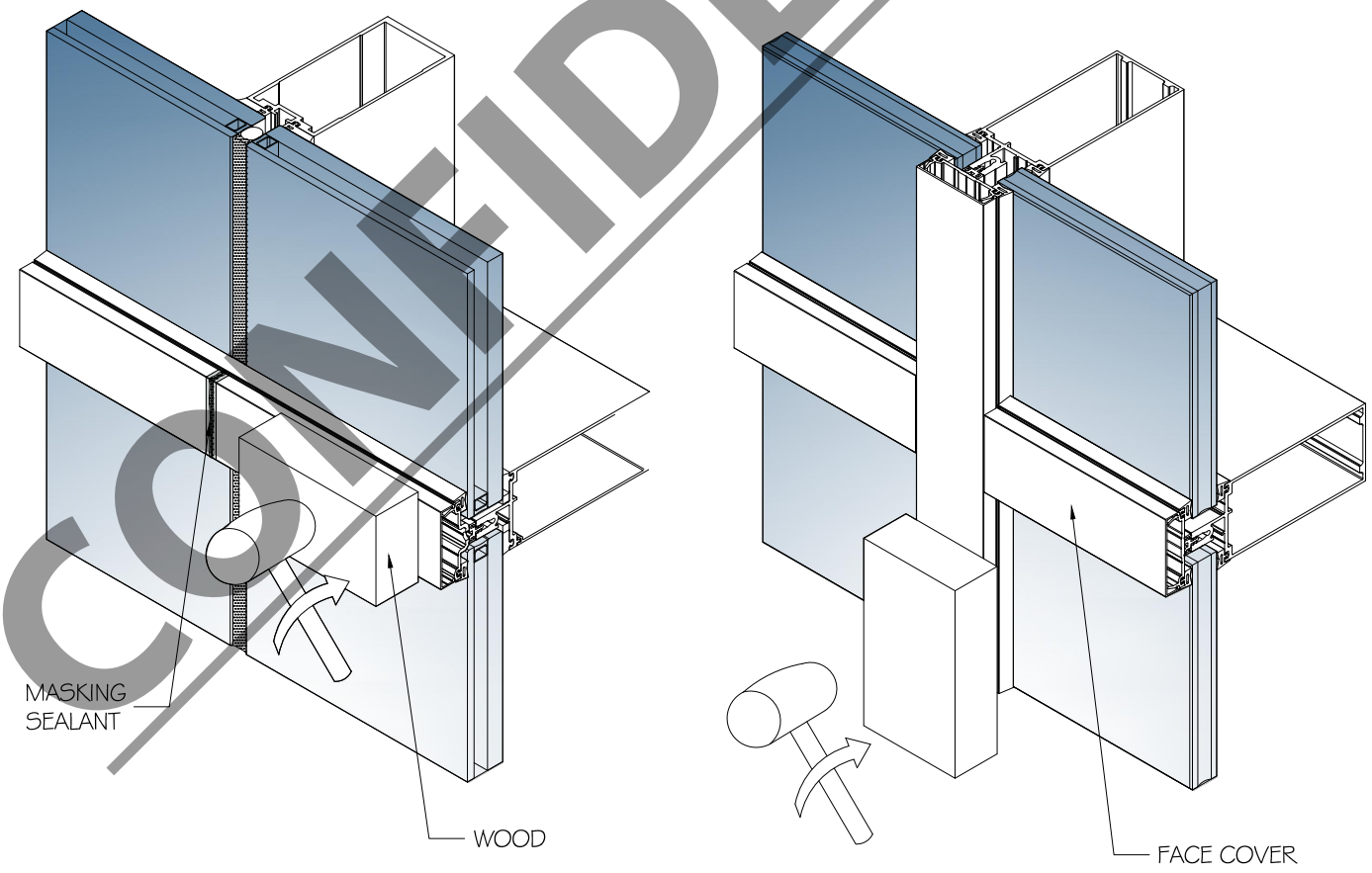


15.14. Install covers in captured verticals and horizontals with the help of a wood block and a mallet.
Covers must be centered with a 1/16" spacing from vertical covers on eachside.and across the horizontal.

15.15. The weep holes must be facing towards the bottom of the unit.

15.16. Apply sealant between vertical and horizontal covers.

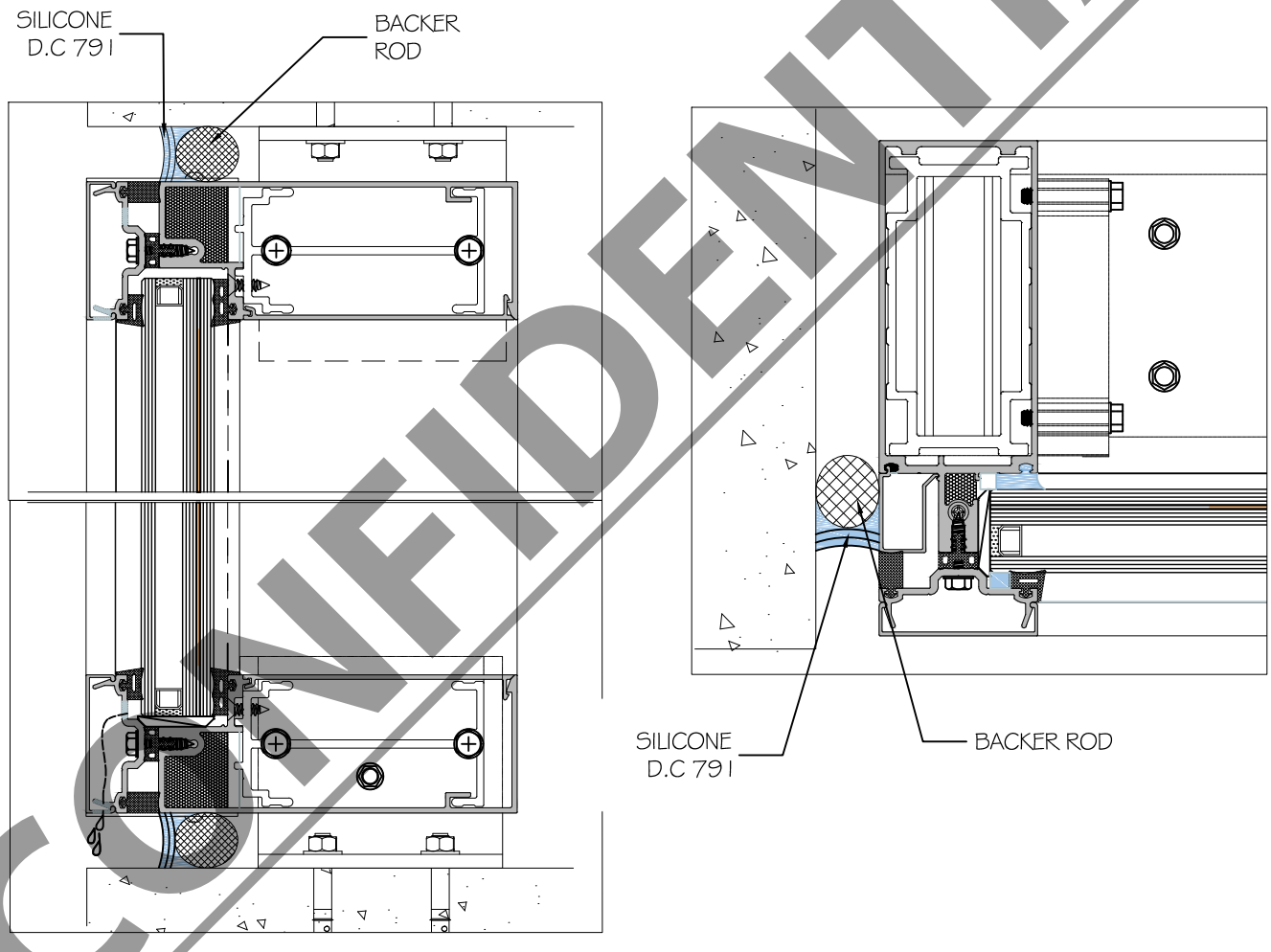




# STEP 16

SEAL PERIMETER:

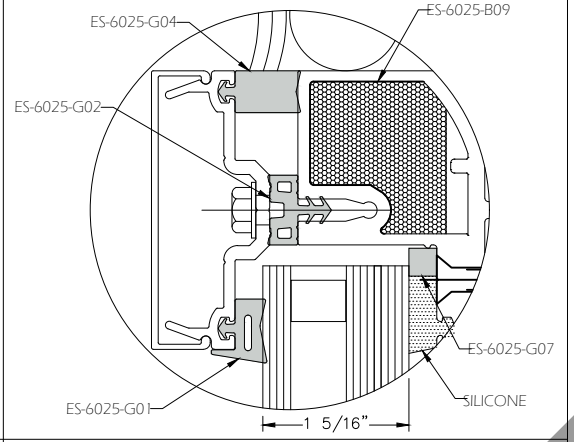
16.1. Insert backer rod and apply Weatherproofing sealant D.C 791 per approved shop drawings.



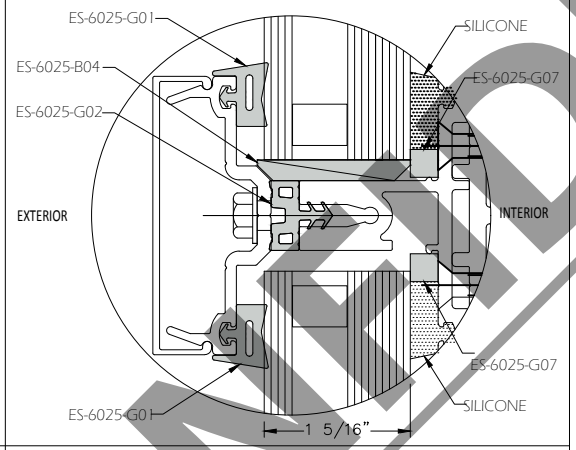
# GLAZING DETAILS

## GASKETS FOR 1 5/16" GLASS

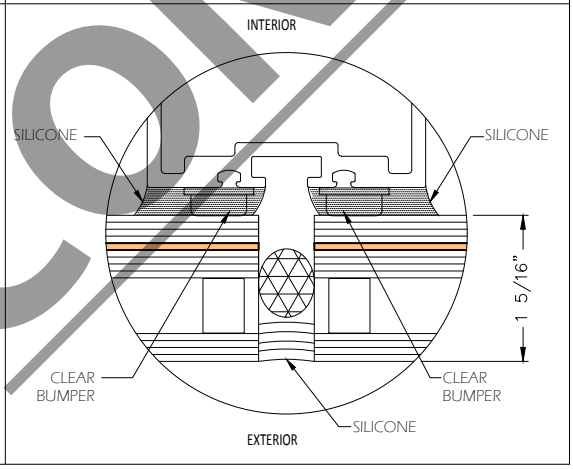
HEAD / SILL




HORIZONTAL

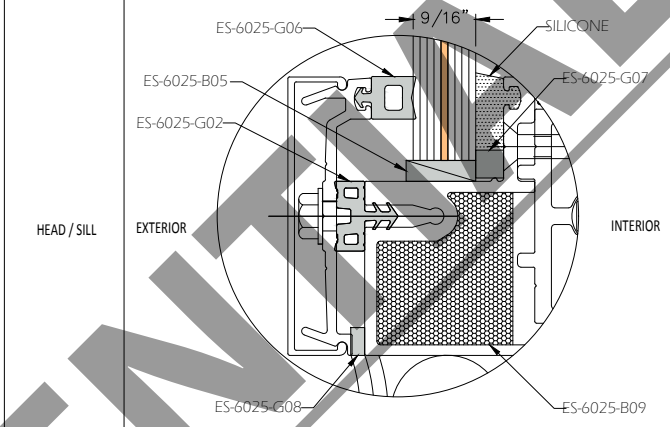



VERTICAL MULLION SSG

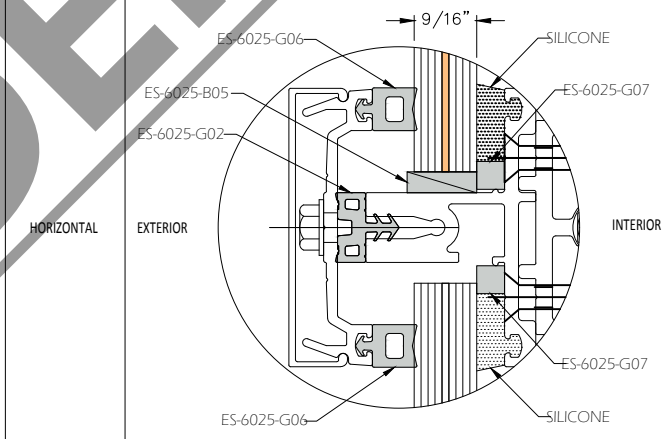



## GASKETS FOR 9/16" GLASS

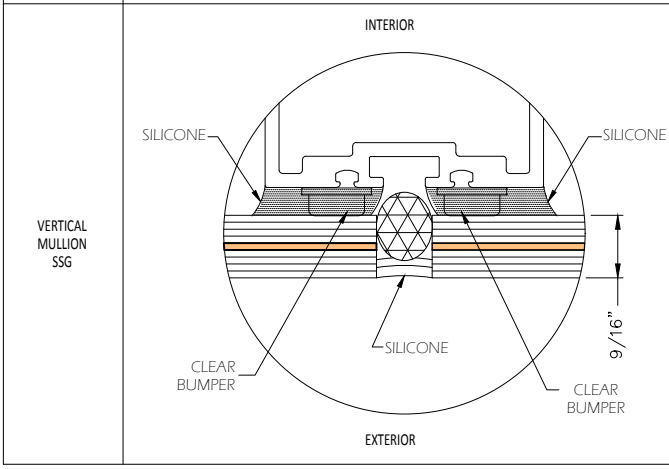
HEAD / SILL




HORIZONTAL

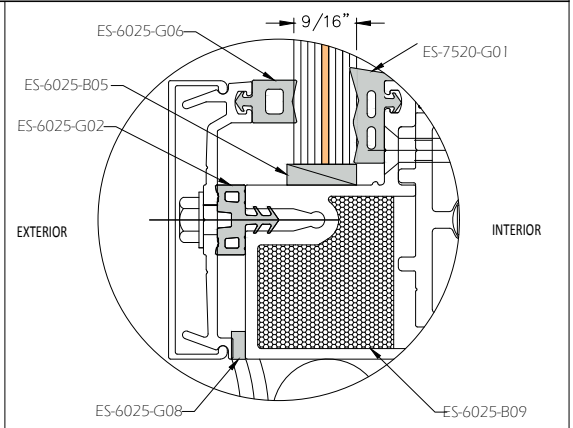



VERTICAL MULLION SSG

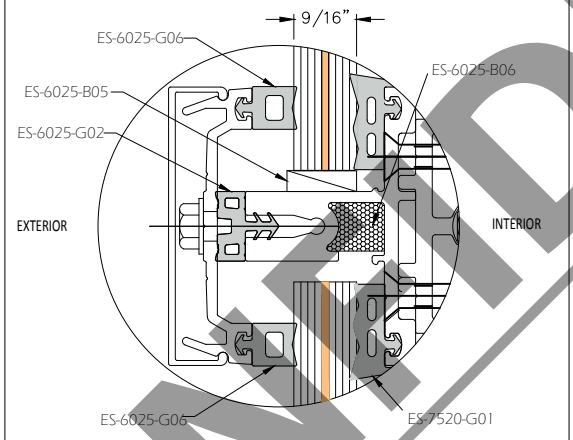


## GASKETS FOR 9/16" GLASS

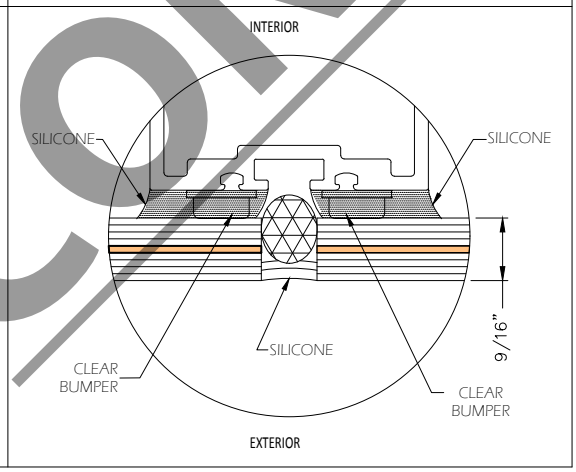
HEAD / SILL




HORIZONTAL

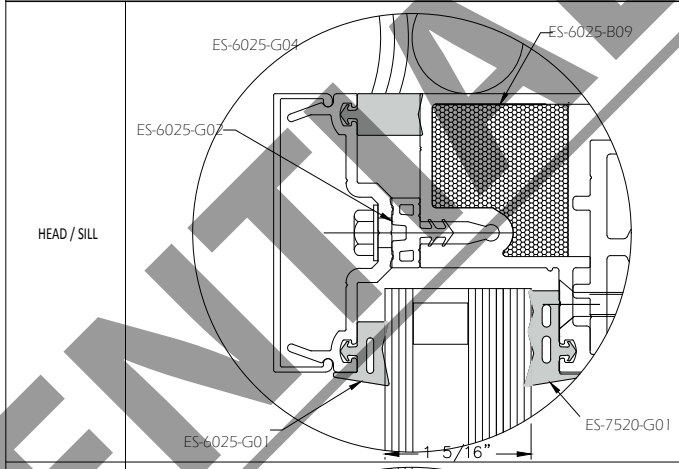



VERTICAL MULLION SSG

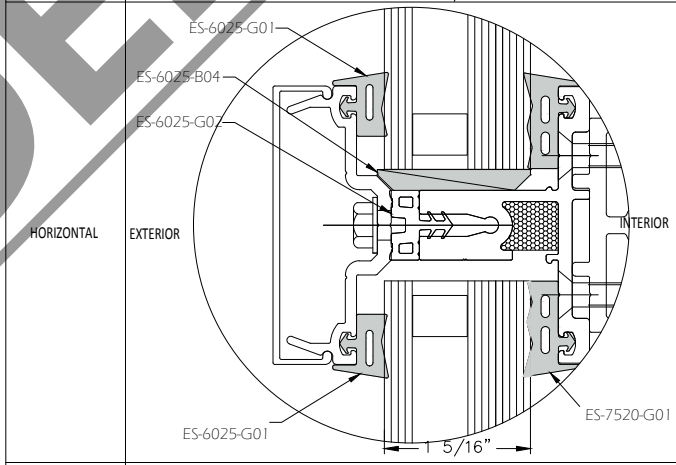



## GASKETS FOR 1 5/16" GLASS

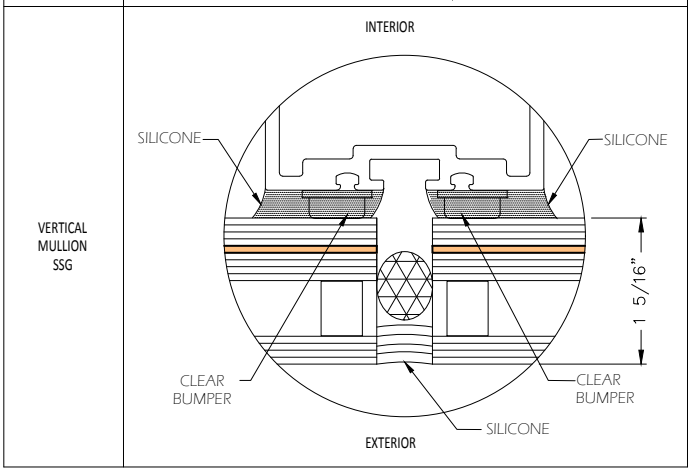
HEAD / SILL




HORIZONTAL

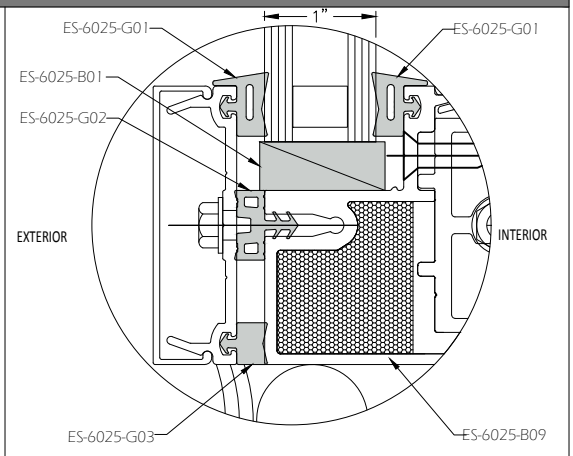



VERTICAL MULLION SSG

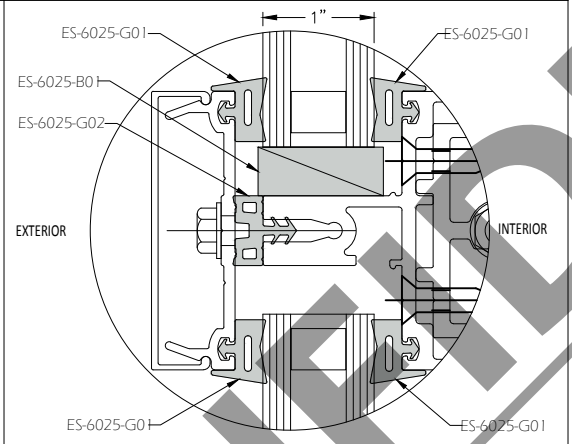


## GASKETS FOR 1" GLASS

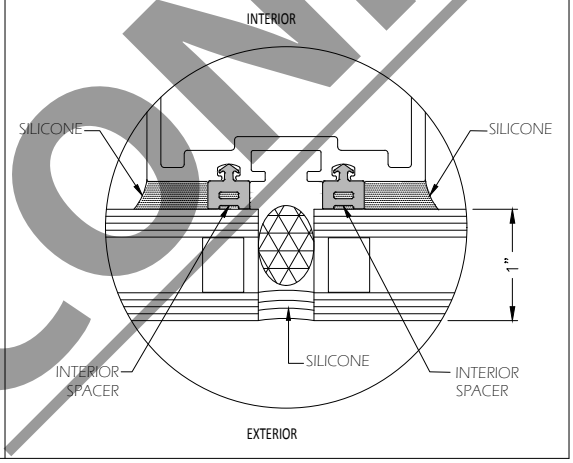
HEAD / SILL




HORIZONTAL

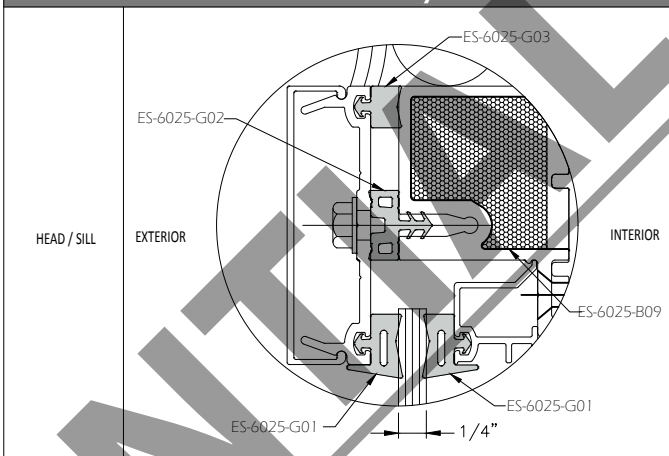



VERTICAL MULLION SSG

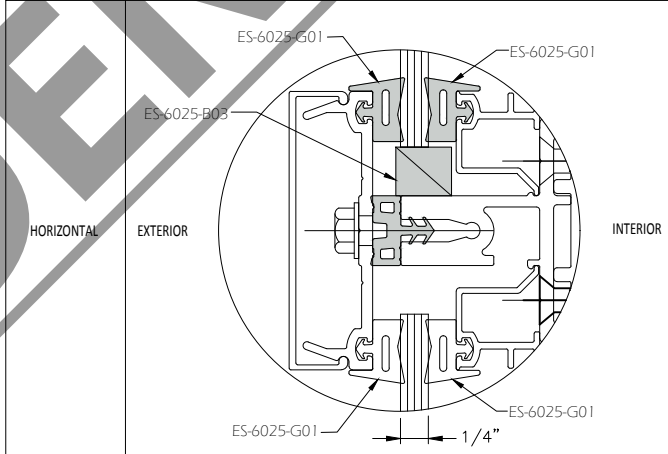



## GASKETS FOR 1/4" GLASS

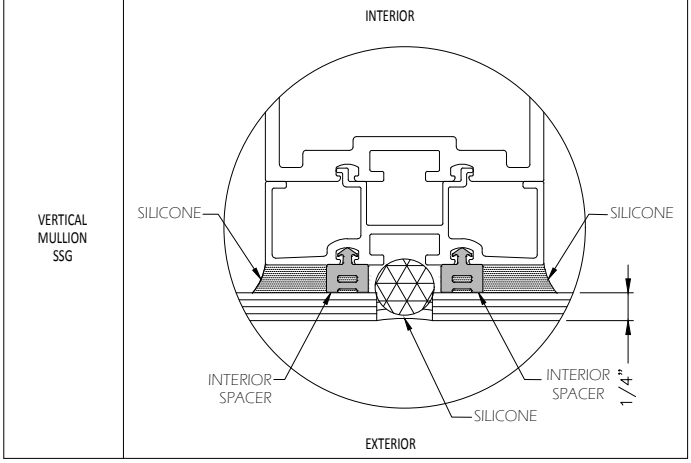
HEAD / SILL




HORIZONTAL




VERTICAL MULLION SSG



| REVIEW No. | DATE | DESCRIPTION | BY | PAG. |
|---|---|---|---|---|
| 1 | 05-03-2016 | BUNPOM SPACER INSTALLATION UPDATE | | 41. |
| 2 | 07-06-2017 | PRESSURE PLATE SCREWS REQUIRED TORQUE ADDED, GENERAL UPDATE | S.G | ALL |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

# ENERGÍA SOLAR
# ESWINDOWS



**DRAWN BY ISABEL PINZON.**