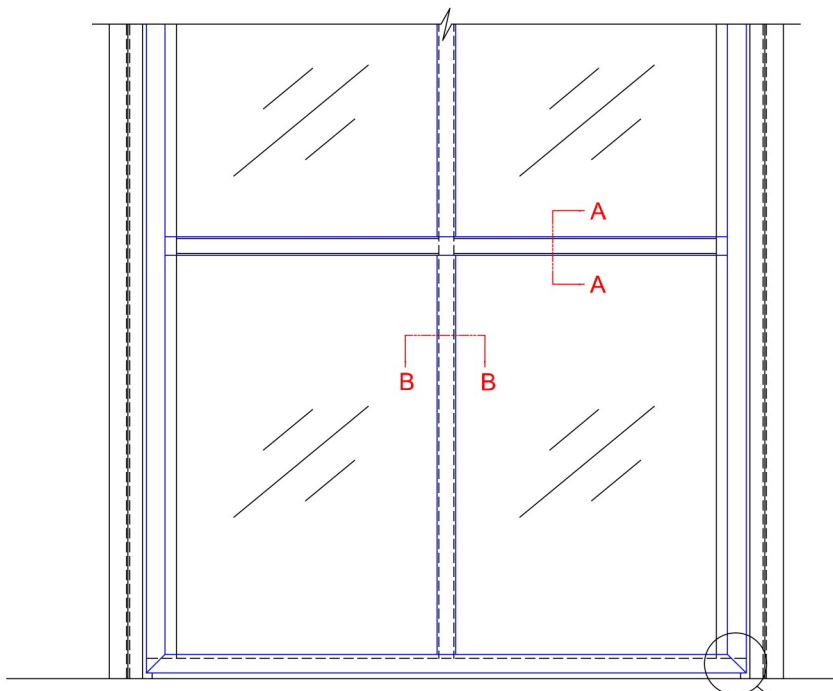
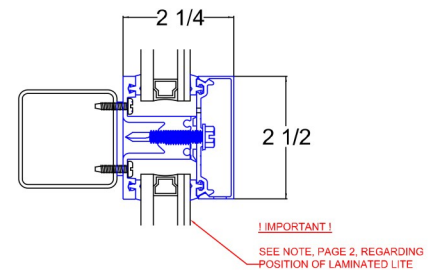


INSTALLATION MANUAL

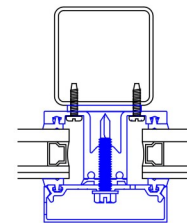
FRONT-SET GLASS RETAINER SYSTEM



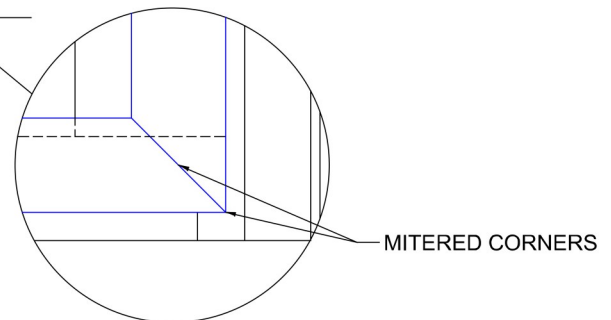
DOOR/WINDOW PANEL W/ FRAME
OUTSIDE LOOKING IN



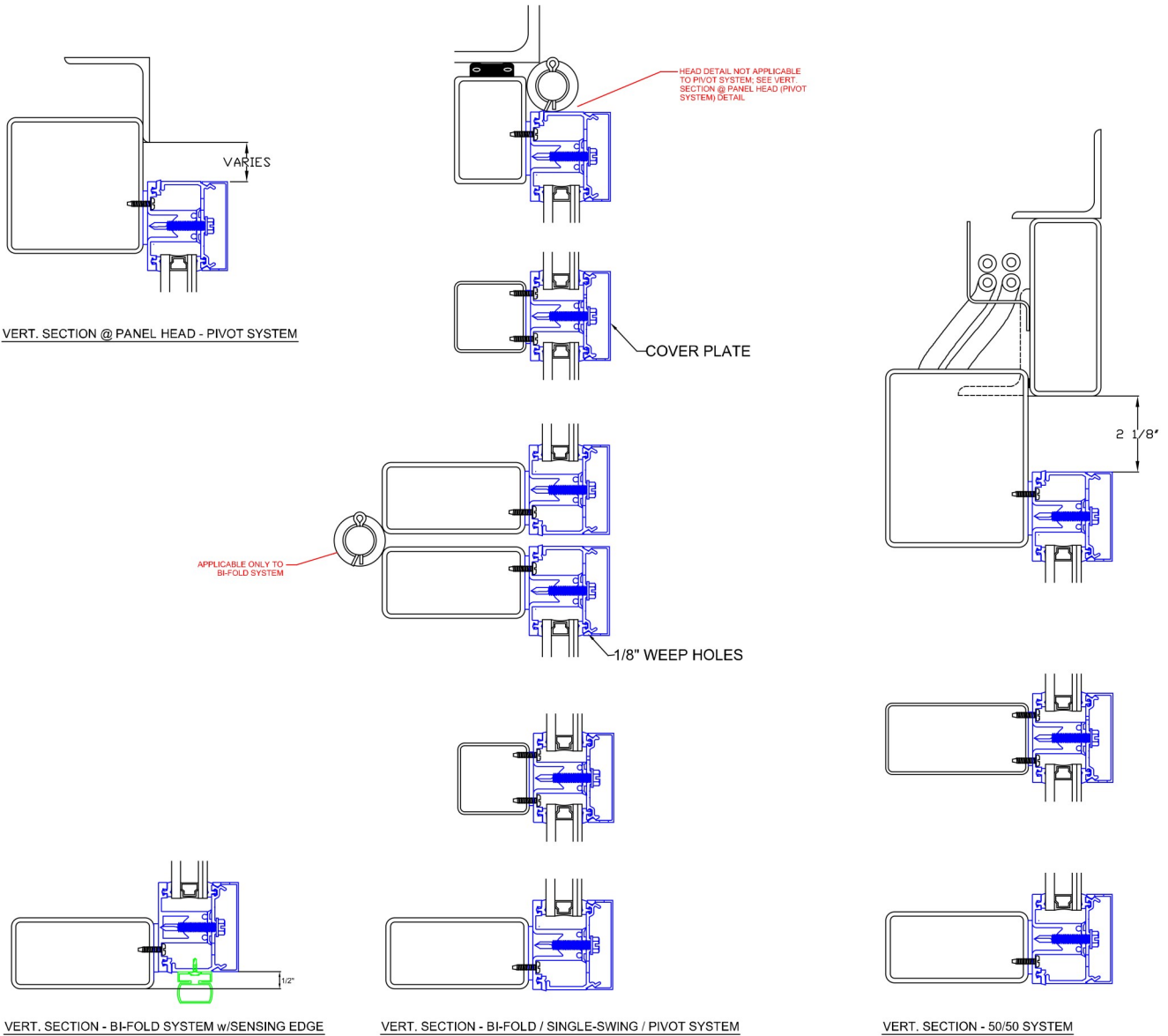
A - A



B - B



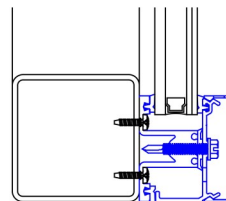
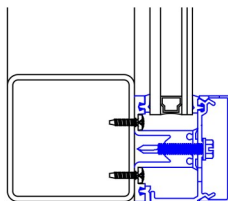
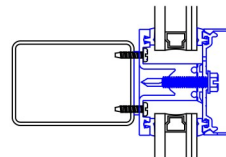
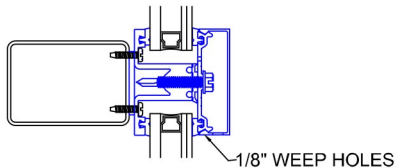
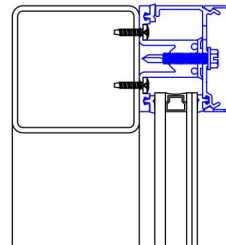
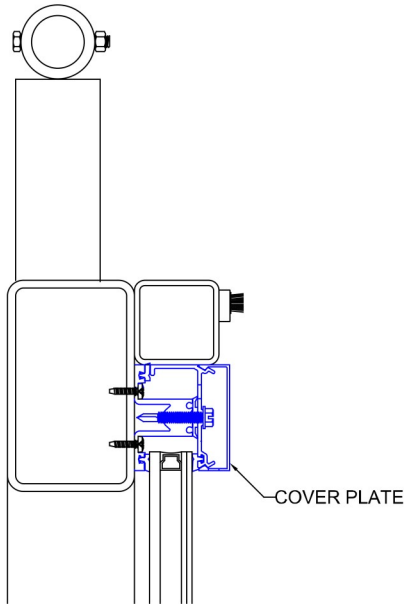
Positioning Guide – Vertical Sections:



Notes:

- Depending on the thickness of glass being inserted into your Front-Set Glazing System, the base plate and pressure plates may vary in depth, appropriately. The installation process of the glass, itself, is identical.

Positioning Guide – Vertical Sections:



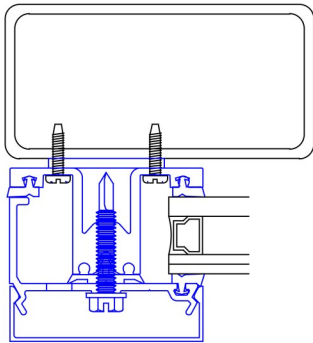
VERT. SECTION - VERTICAL-LIFT SYSTEM @ OPERABLE PANEL

VERT. SECTION - VERTICAL-LIFT SYSTEM @ FIXED PANEL

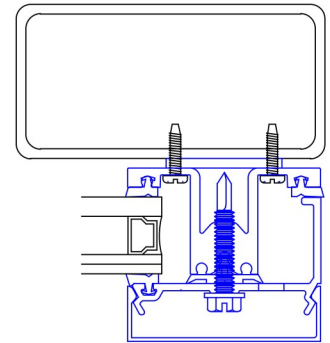
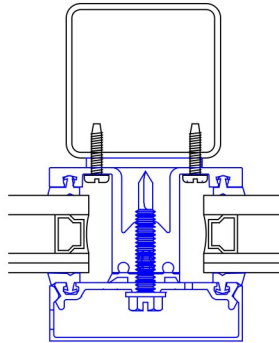
Notes:

- Depending on the thickness of glass being inserted into your Front-Set Glazing System, the base plate and pressure plates may vary in depth, appropriately. The installation process of the glass, itself, is identical.

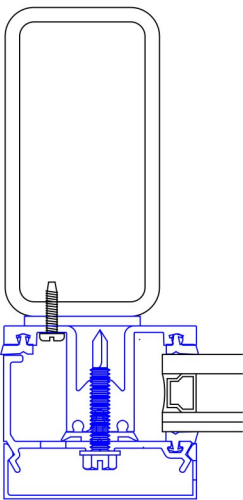
Positioning Guide – Horizontal Sections:



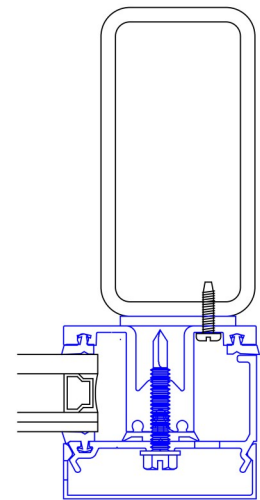
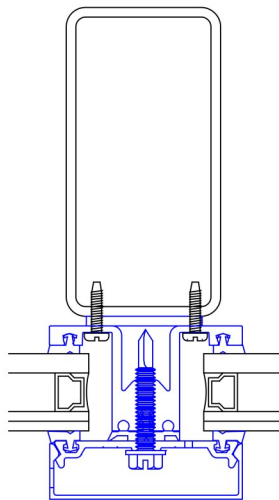
EXTERIOR SIDE



HORIZ. SECTION - BI-FOLD / SINGLE-SWING / PIVOT SYSTEM



EXTERIOR SIDE

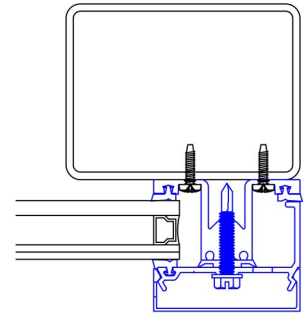
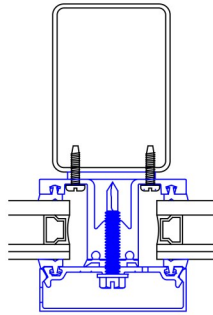
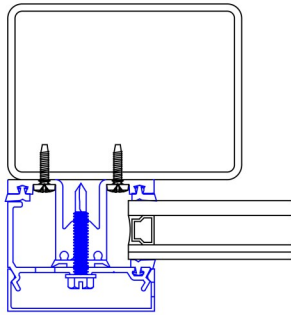


HORIZ. SECTION - 50/50 SYSTEM

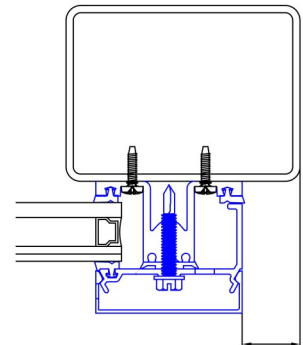
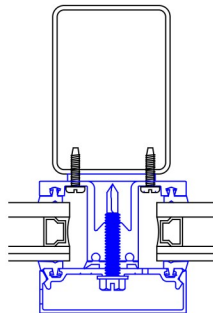
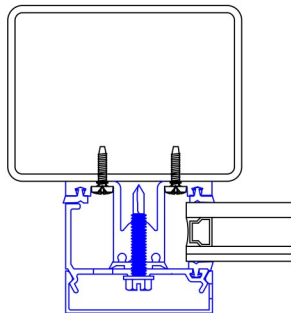
Notes:

- Depending on the thickness of glass being inserted into your Front-Set Glazing System, the base plate and pressure plates may vary in depth, appropriately. The installation process of the glass, itself, is identical.

Positioning Guide – Horizontal Sections:



HORIZ. SECTION - VERTICAL-LIFT SYSTEM @ FIXED PANEL



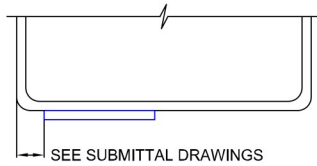
(TYP.)
SEE SUBMITTAL DRAWINGS

HORIZ. SECTION - VERTICAL-LIFT SYSTEM @ OPERABLE PANEL

Notes:

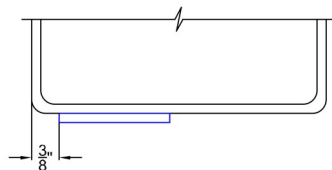
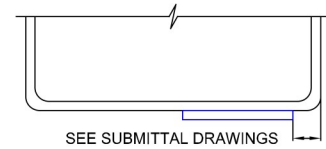
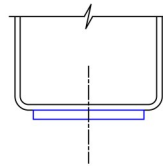
- Depending on the thickness of glass being inserted into your Front-Set Glazing System, the base plate and pressure plates may vary in depth, appropriately. The installation process of the glass, itself, is identical.

Positioning Guide – Vinyl Foam Tape:



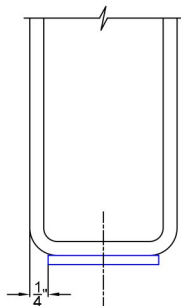
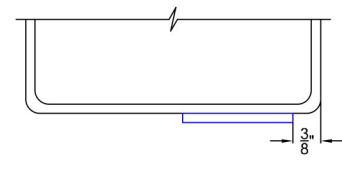
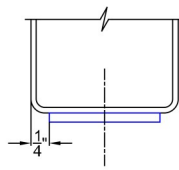
EXTERIOR SIDE

HORIZ. SECTION - VERTICAL-LIFT SYSTEM @ OPERABLE PANEL



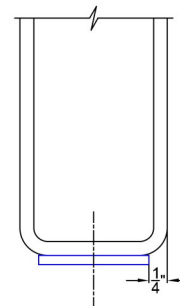
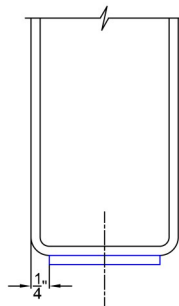
EXTERIOR SIDE

HORIZ. SECTION - BI-FOLD / SINGLE-SWING / PIVOT / VERTICAL-LIFT (@ FIXED PANEL) SYSTEM



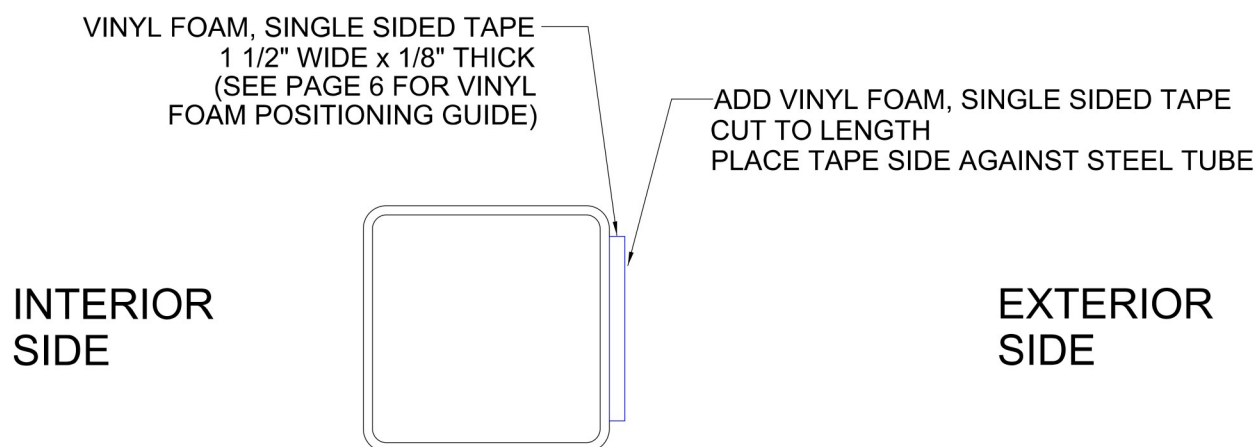
EXTERIOR SIDE

HORIZ. SECTION - 50/50 SYSTEM



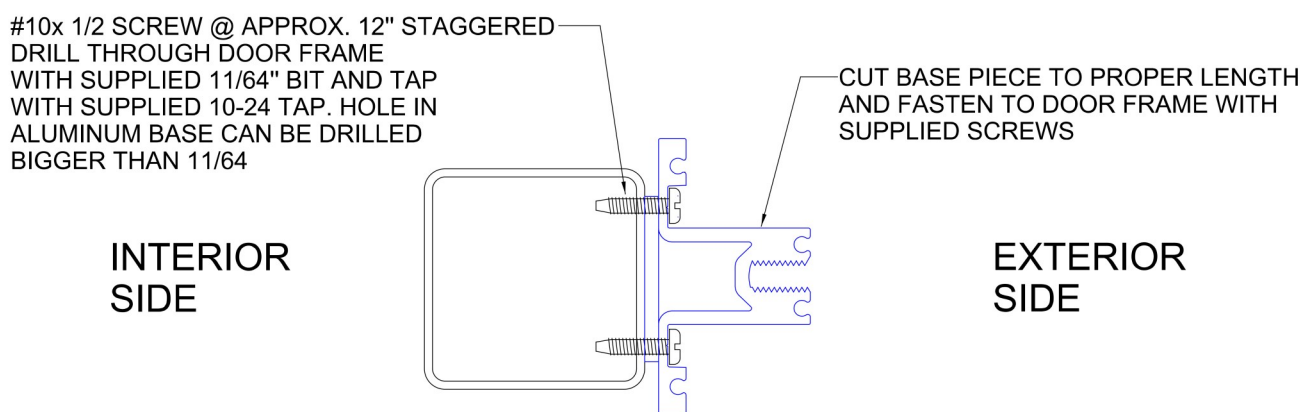
Notes:

- Center foam tape if applying to 2" tubes. If applying to tubes larger than 2" (except on Vertical-Lift @ Operable Panel), position tape 3/8" from edge, as shown above. For Vertical-Lift @ Operable Panel, see submittal drawings.



Step 1:

Apply vinyl foam tape, as shown above (and see positioning guide, page 4).



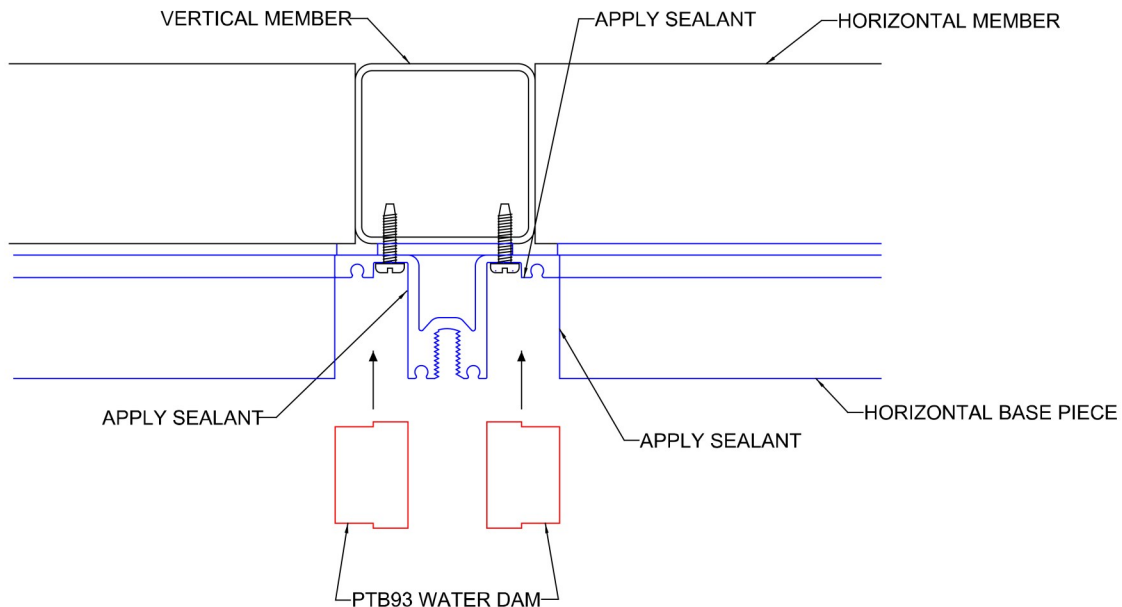
Step 2:

Cut base plates to proper lengths. Position base plates, as per positioning guides shown on page 2 & 3, and fasten to operable door panel(s) with supplied screws, as shown, above.

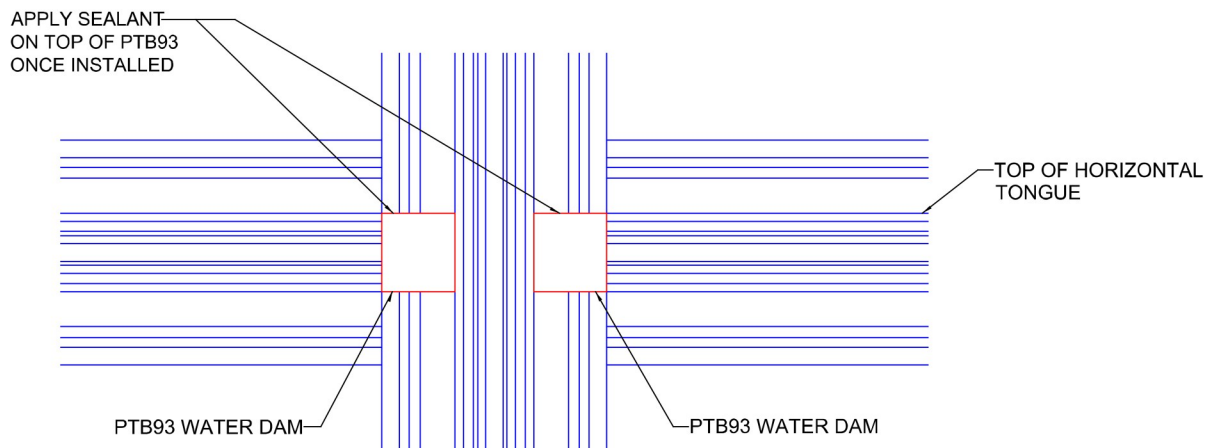
Notes:

- When cutting the base, pressure and cover plate components for perimeter corner conditions, make sure to miter for a more finished appearance (see page 1).

TOP VIEW



FRONT VIEW

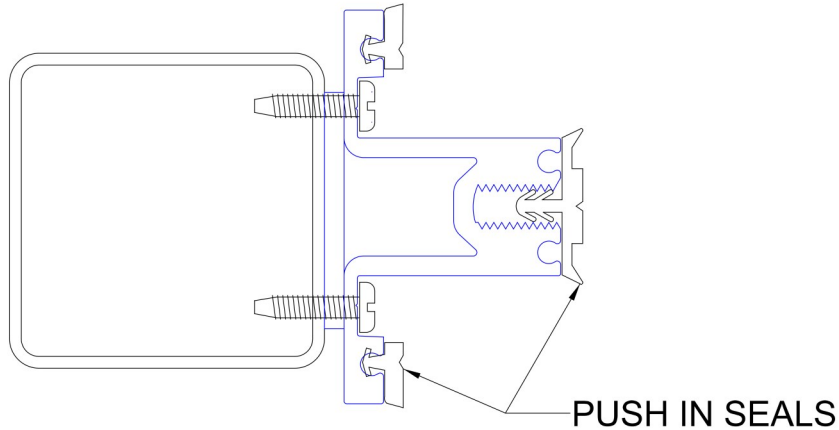


Step 3:

Apply sealant (by others) liberally to the end of the horizontal member across vertical member.
Push the PTB93 water dam into the void between the horizontal member and the vertical tongue.
Seal over the top of the PTB93 water dam onto the horizontal tongue, damming the end of the horizontals.

Notes:

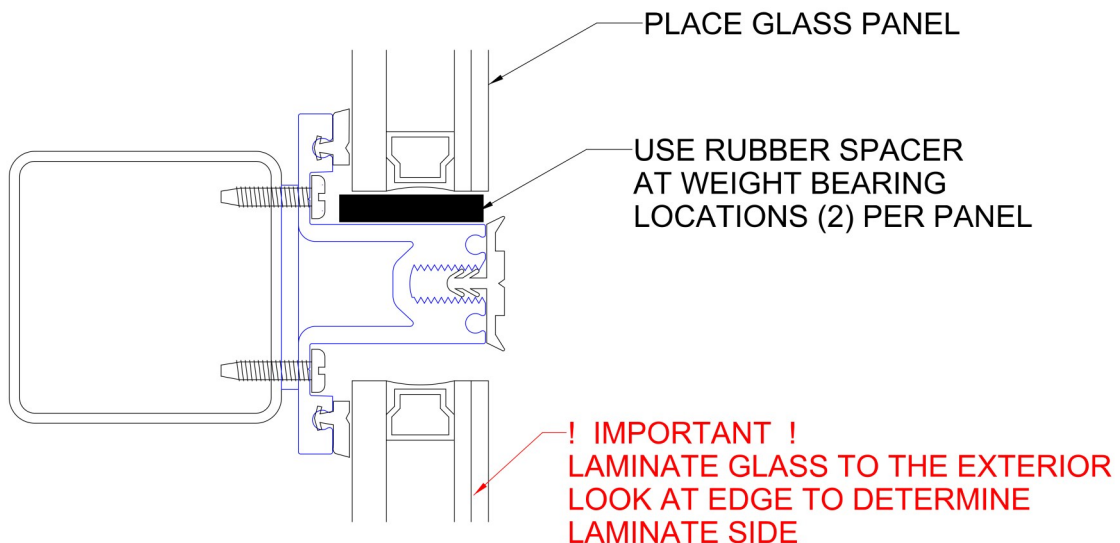
- *The PTB93 water dams should only be placed where interior horizontals meet verticals, and where interior verticals meet top/bottom horizontals.*



NOTE: CUT ALL SEALS LONG BY 1/16" PER FOOT OF SEAL

Step 4:

Install seals/gasketing, as shown above. Cut all seals long by 1/16" per lineal foot required.

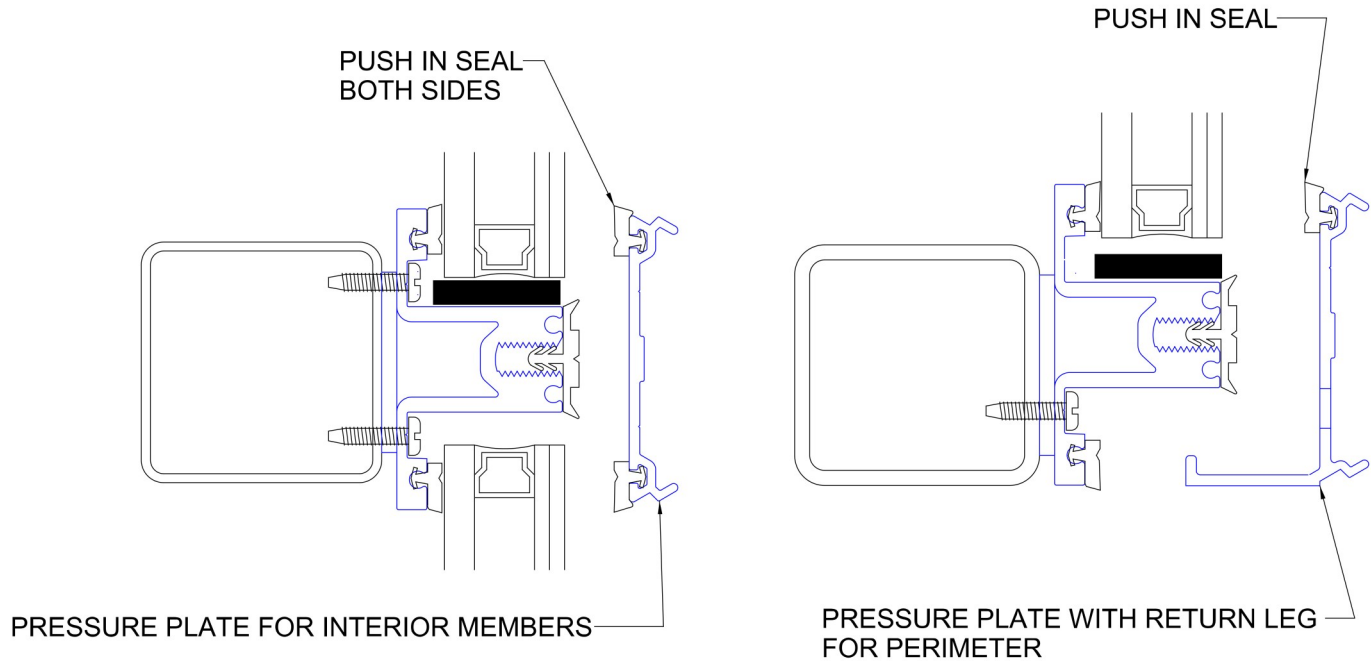


Step 5:

Position rubber setting blocks and glass, as shown above.

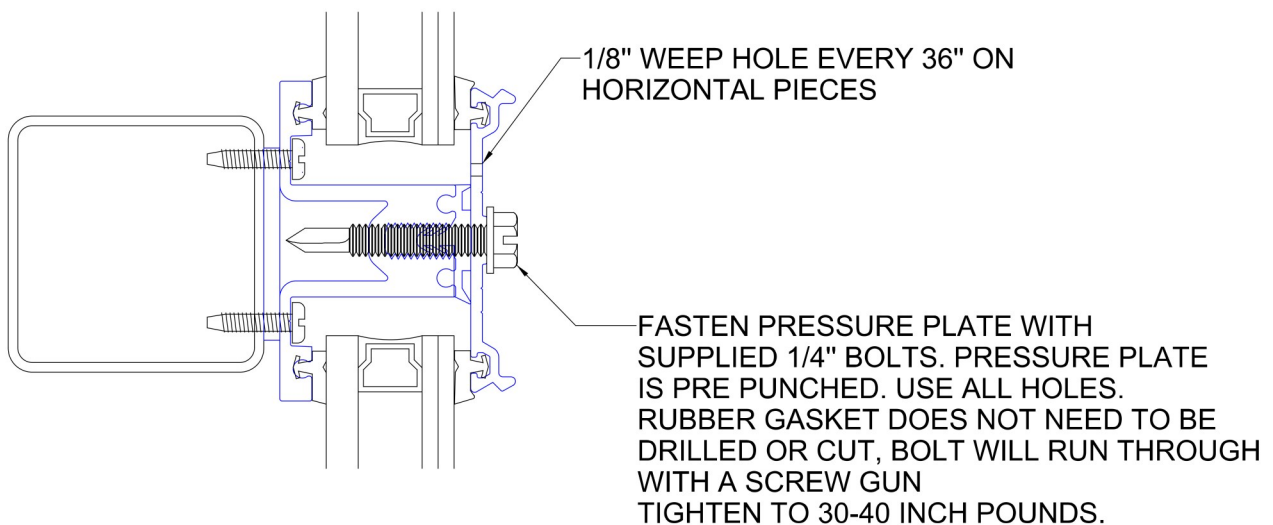
Important Note:

- *Dual-paned glass should always be installed so that the laminated lite is in lowest position when Door/ Window System is in open position; Laminated lite should be positioned to the exterior side when in-*



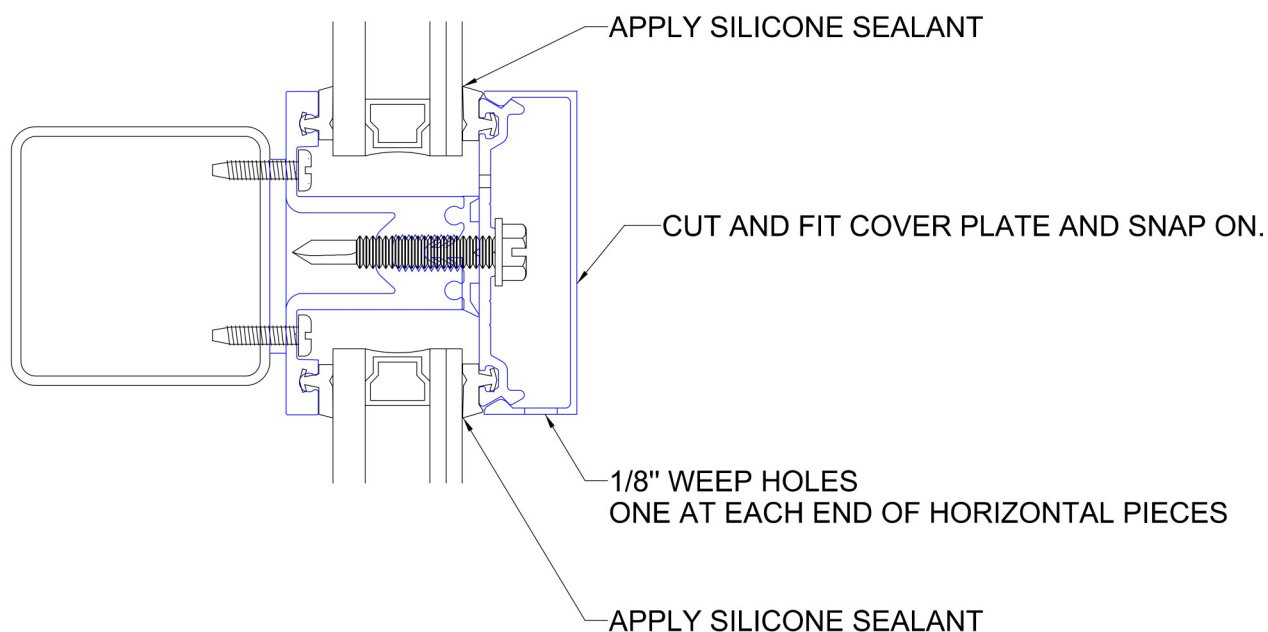
Step 6:

Cut pressure plates to proper lengths (to match base plates). Attach seals/gasketing, as shown above.



Step 7:

Fasten pressure plates with supplied bolts, and drill weep holes, as shown above.

**Step 8:**

Cut cover plates to proper lengths and install; Drill weep holes and apply silicone, as shown above (silicone, by others).