



CIELO™ POST WINDSCREEN SYSTEM

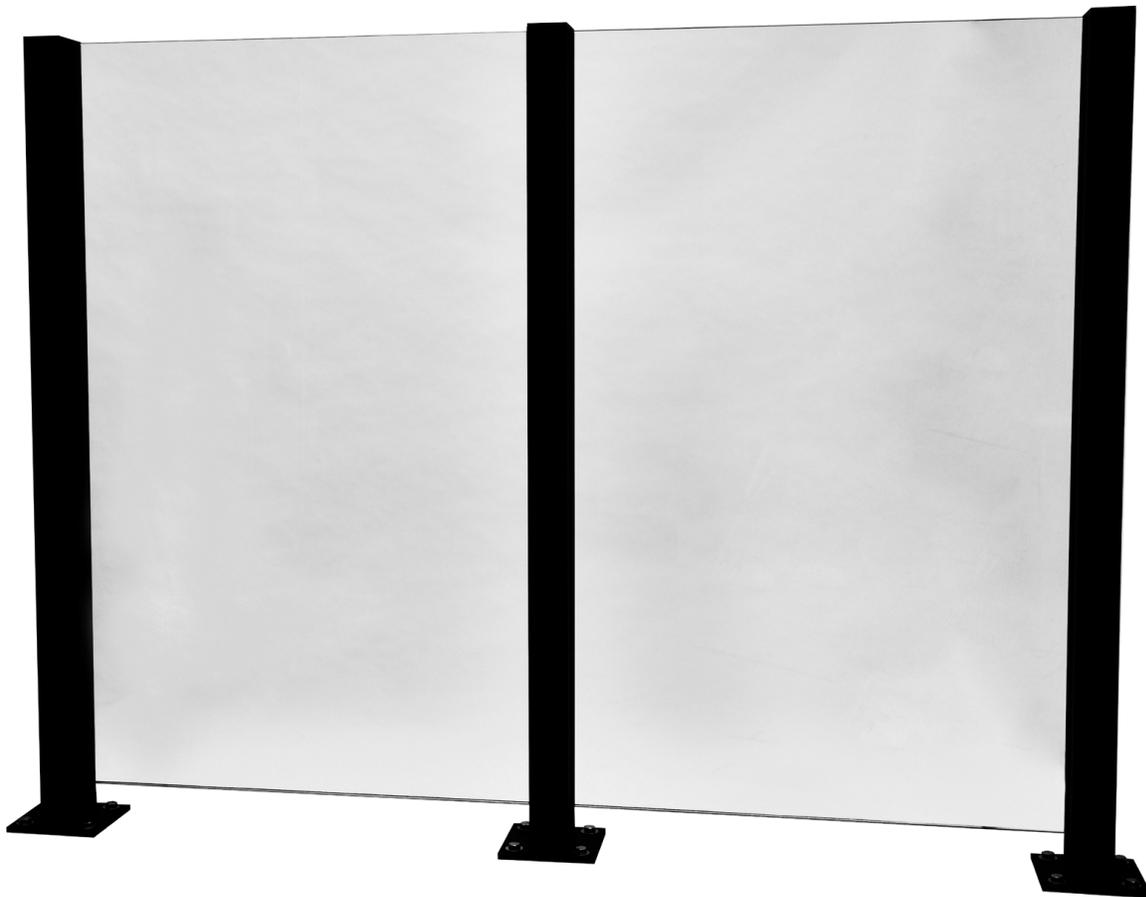


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IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION

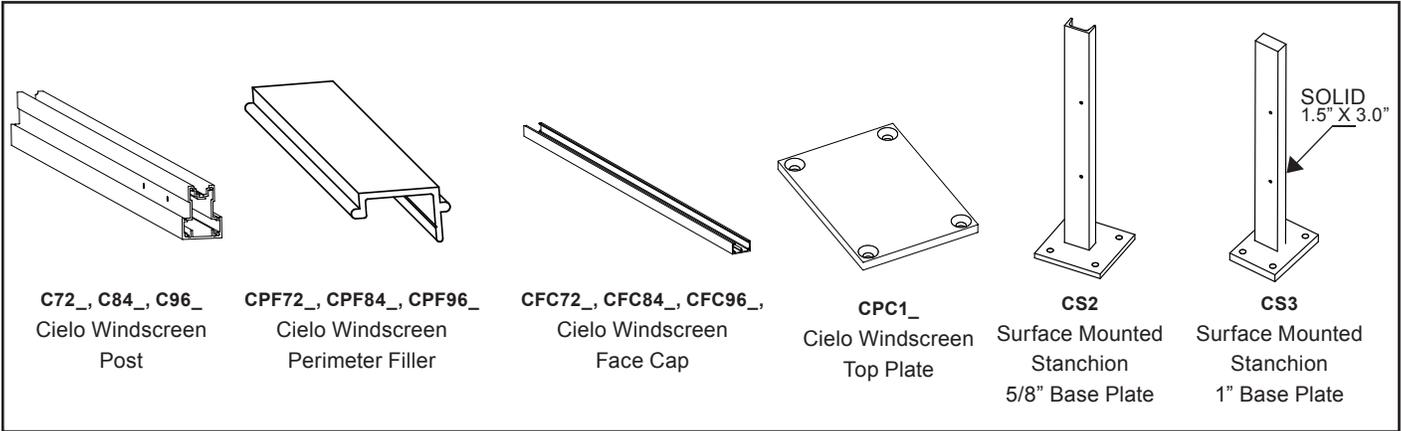
TOOLS NEEDED:

- Cordless Drill with #2 Phillips drive
- Glass suction cups
- Rubber mallet
- Needle nose pliers
- RB200 roller blocks
- Wood clamp
- Utility knife

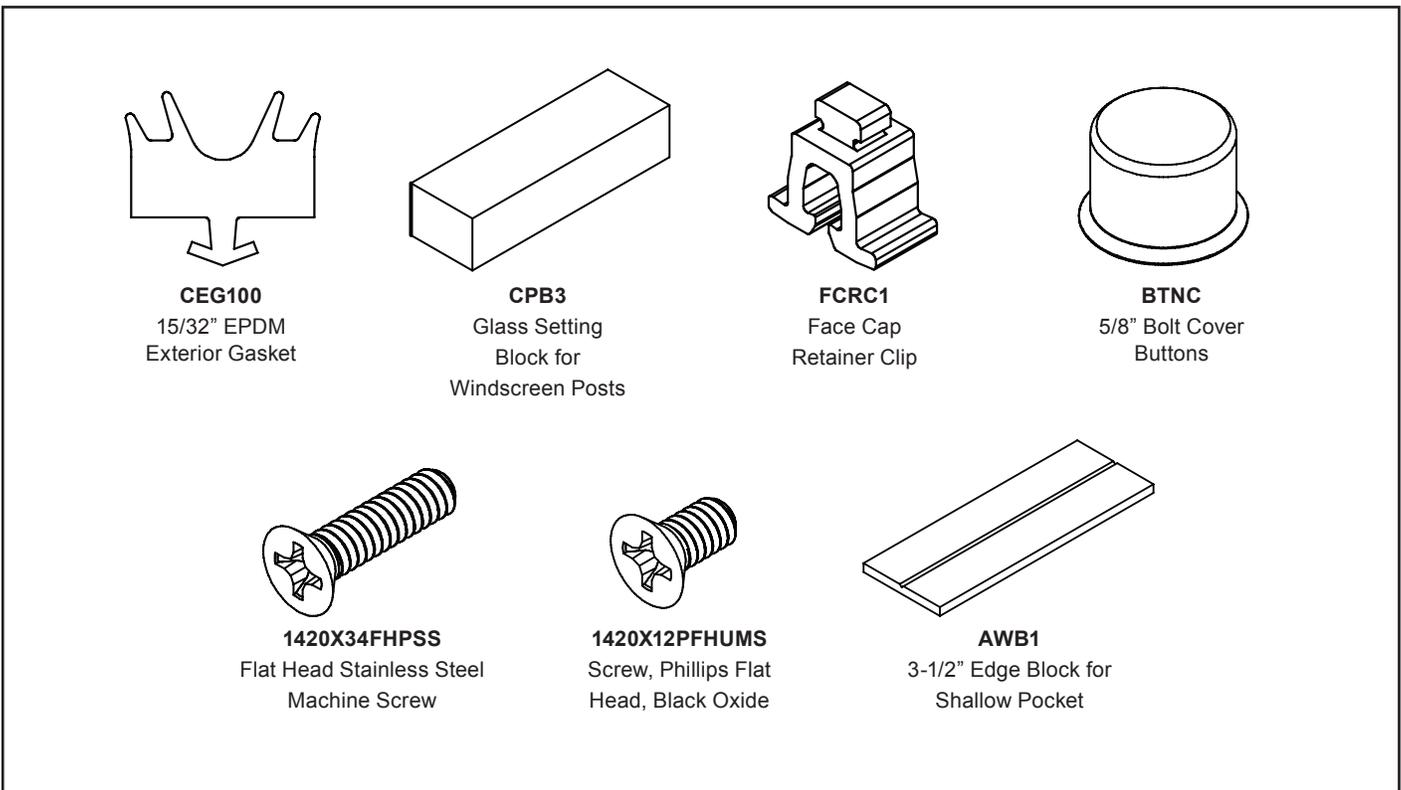
PARTS LIST

All parts ordered individually as needed.

CIELO™ POST WINDSCREEN AND SURFACE MOUNTS



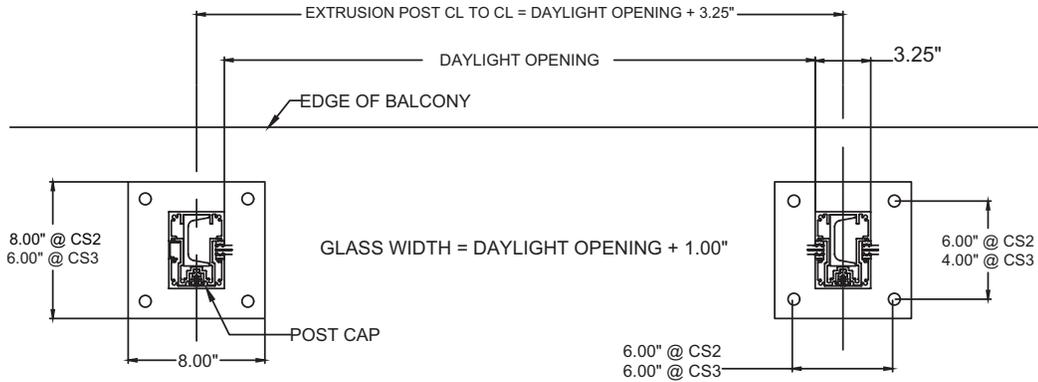
GASKETS, COVERS, BLOCKS, & SCREWS



STANCHION LAYOUT

Layout of Surface Mount Stanchions

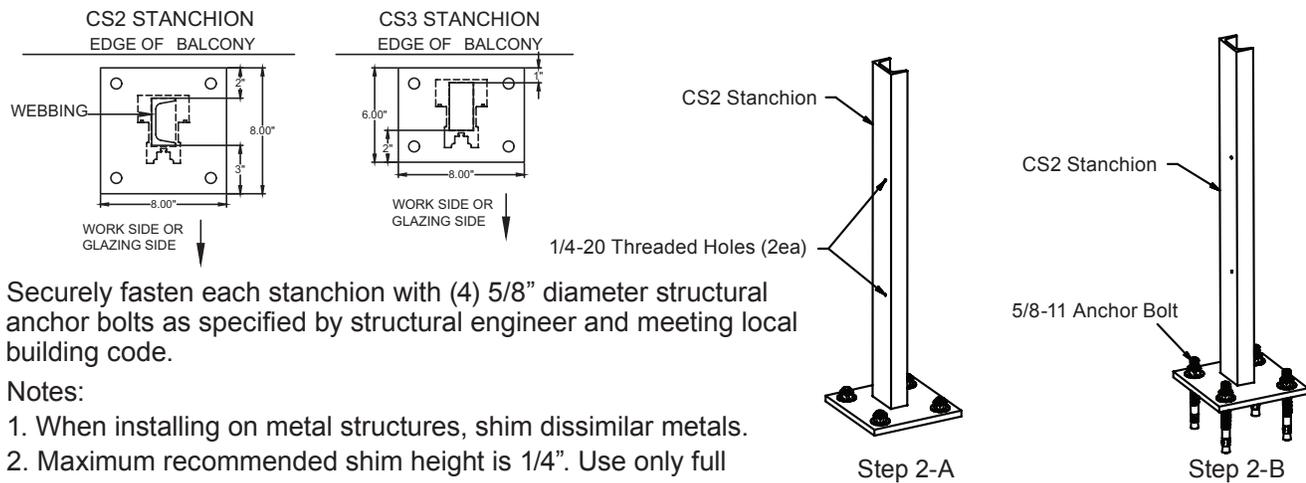
1. Verify that floor surfaces where the stanchions are to be installed are flat and leveled. Clean and clear all debris from work area.



Note: Post to post spacing by engineering calculations. Max post spacing center to center is 5 feet.

Attachment of Stanchions to Substrate

2. Install ALL stanchions in the same orientation with C-channel webbing and threaded holes on the left side.



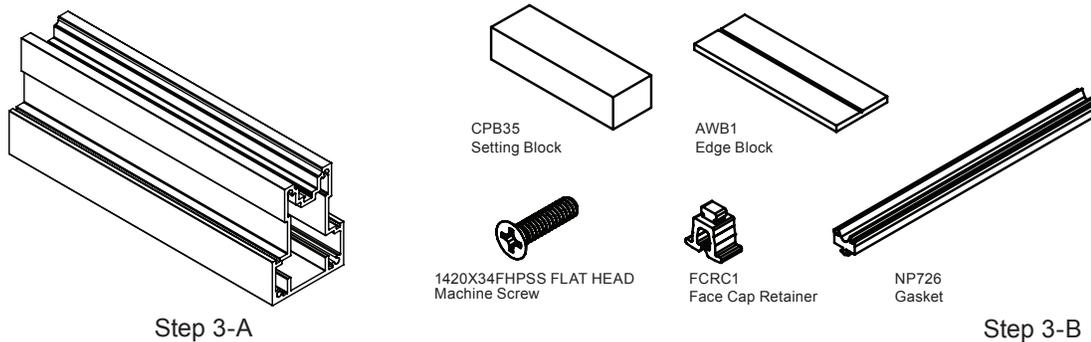
Securely fasten each stanchion with (4) 5/8" diameter structural anchor bolts as specified by structural engineer and meeting local building code.

Notes:

1. When installing on metal structures, shim dissimilar metals.
2. Maximum recommended shim height is 1/4". Use only full bearing structural shims.

Layout of Posts

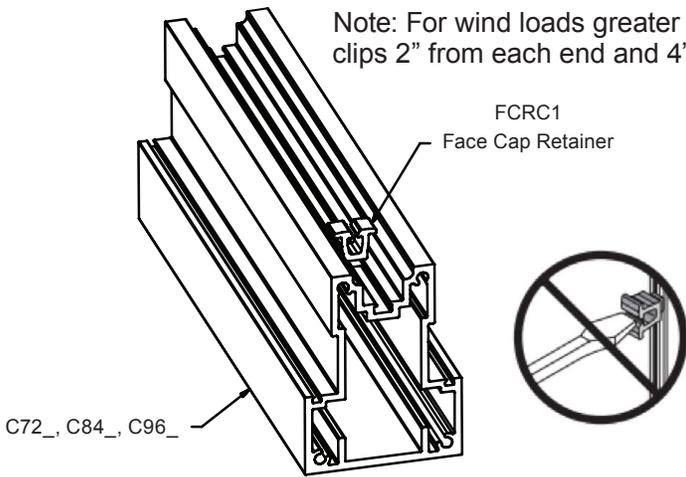
3. The left, right and middle post extrusions are the same shape. Posts are determined with the placement of glazing gaskets, glass edge blocks and setting blocks.



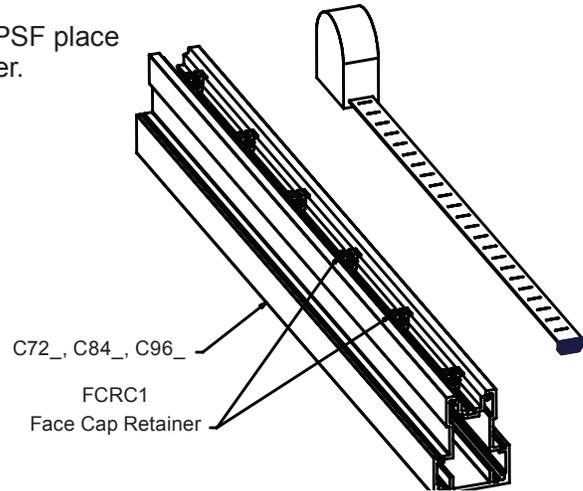
POST INSTALLATION

Installation of Clips on Posts

4. For all posts, place the first and last clip 2" from each end of the extrusion. Place the others 6" on center.



Step 4-A



Step 4-B

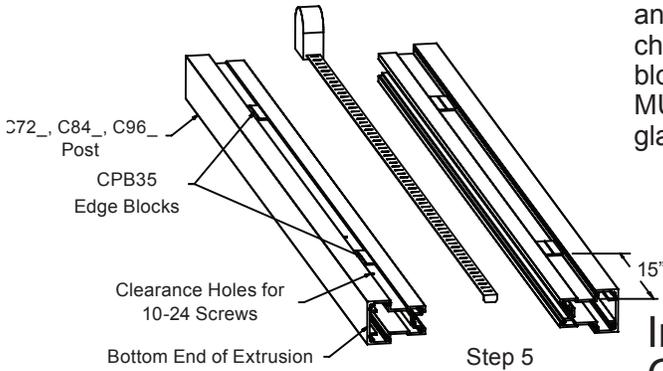
Align and insert snap clip's tabs into center channel. Turn clockwise ¼ to lock in place. **DO NOT USE SCREWDRIVER TO INSTALL CLIPS.** Pliers may be used to make the ¼ turn.

Assemble the Posts

For center posts, install glazing gaskets, edge blocks and glass setting blocks on both sides of post. For end posts install glazing gaskets, edge blocks, and glass setting blocks only on the side where glass will be held.

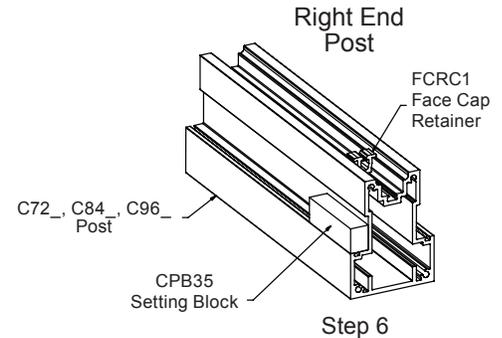
Installing Glass Setting Block on Post

6. Align the Glass Setting Block flush with **BOTTOM** edge of post. Remove adhesive back and place on the same channels as glass edge blocks. **ALL** Blocks **MUST** be placed on the glass side.



Step 5

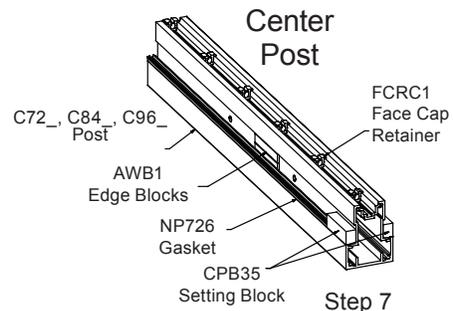
5. 3.5" Glass Edge Blocks installation: Peel adhesive back and place (2) edge blocks alongside glazing channels, 15" from each end.



Step 6

Install Glazing Gaskets on Posts

7. Install glazing gasket (gasket NP726) into gasket ringlet from setting block to top of post.

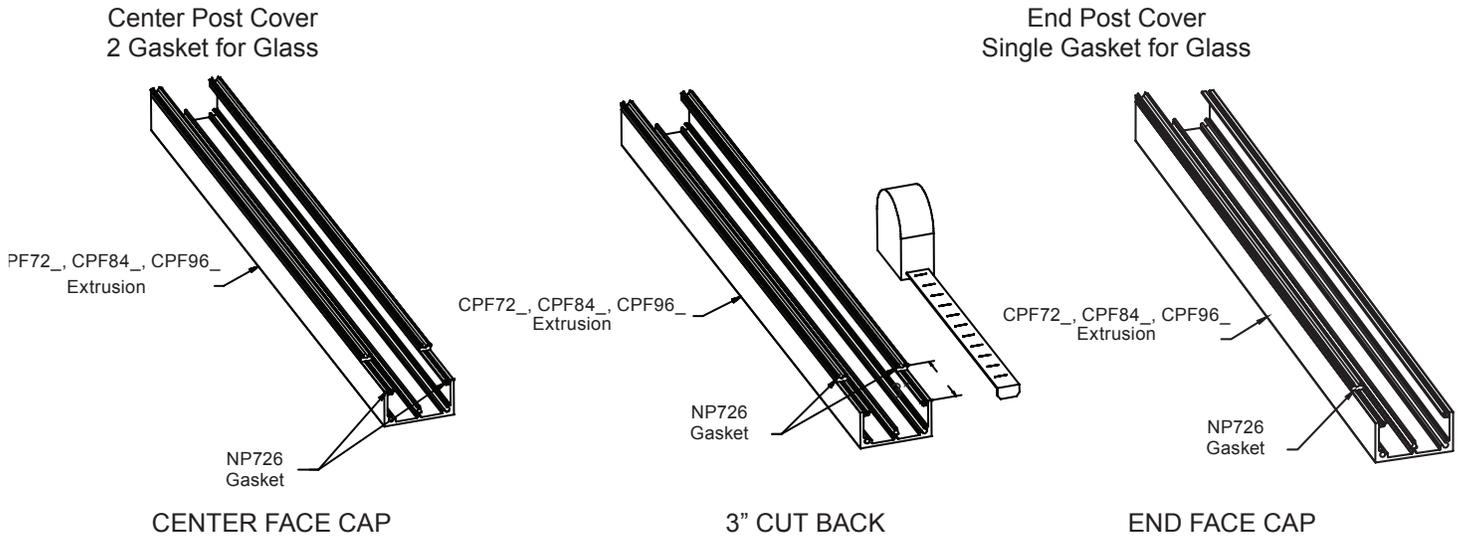


Step 7

POST INSTALLATION (CONTINUED)

Face Cap Gasket Installation

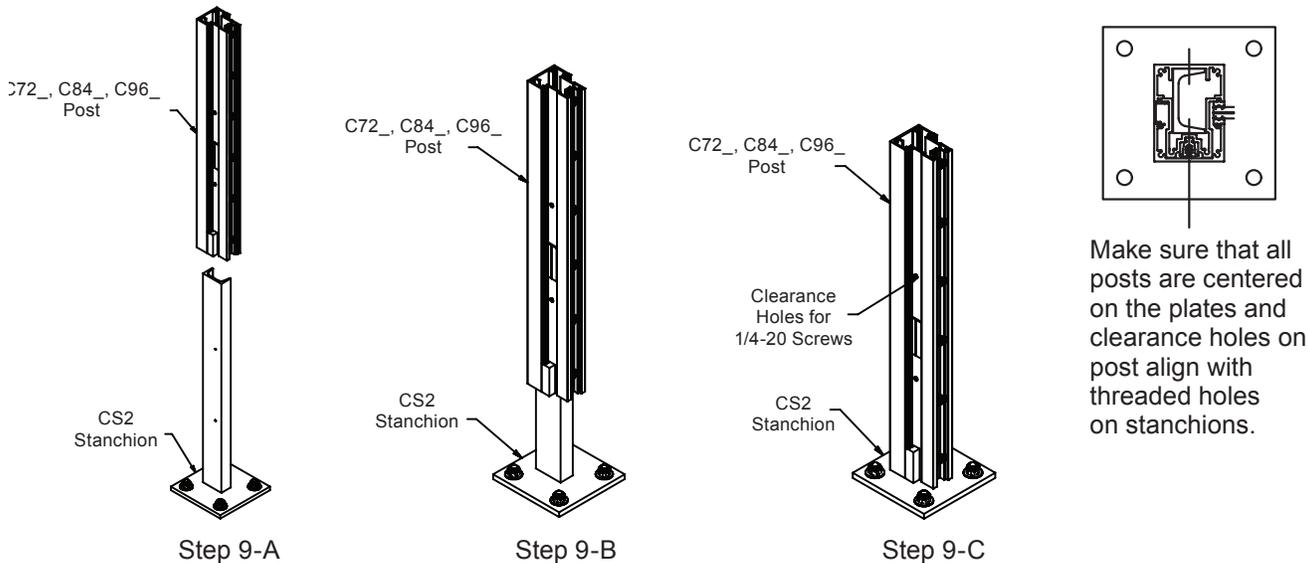
- Center Face Cap: Install gaskets NP726 on BOTH sides as shown below. Cut the gasket 3" shorter from the bottom end of extrusion to clear glass setting blocks WPSBC in step 6.



End Face Cap: Install gasket NP726 on the side of the post where glass will be installed only.

Install Post on Stanchion

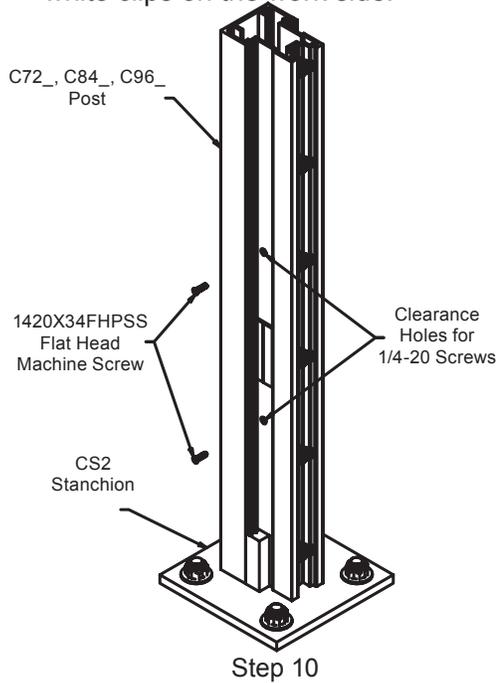
- Slide the assembled post over the stanchion. Make sure the 2 holes on the side of the post are at the bottom and can engage with stanchion. The Glass Edge Blocks should also be at the bottom.



POST INSTALLATION (CONTINUED)

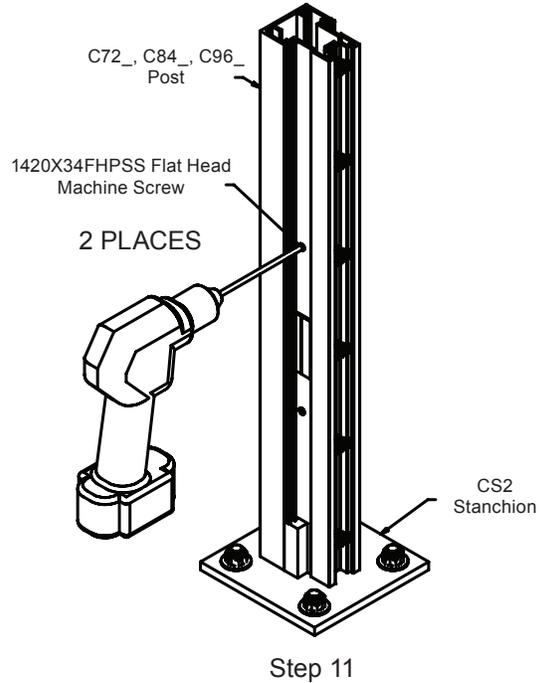
Post Orientation

10. All posts shall be installed in the same orientation. ALL threaded holes are on the same side of the windscreen post, and all the white clips on the work side.



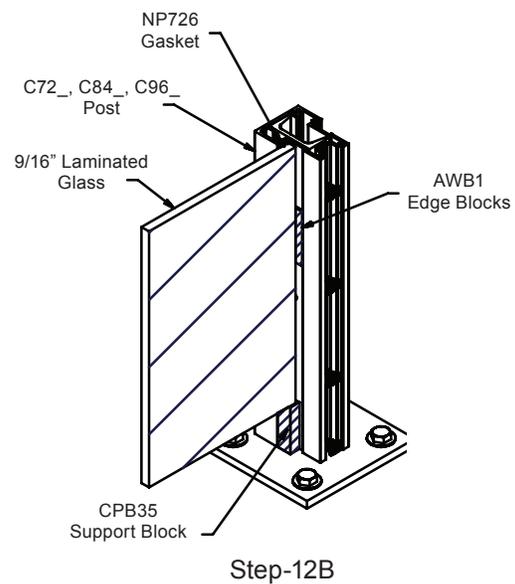
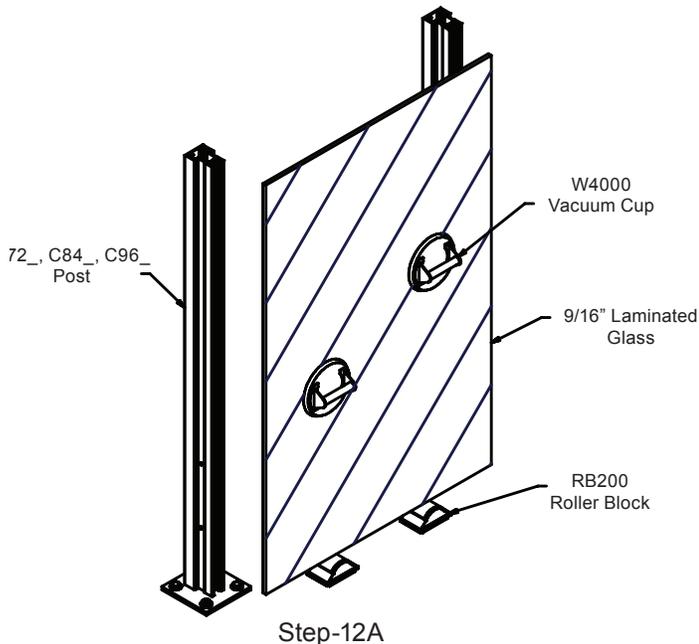
Secure Post to Stanchion

11. Secure/lock-on every post with (2) 1/4-20 X 3/4" Flat Head Screw to every stanchion.



Install Glass in Posts

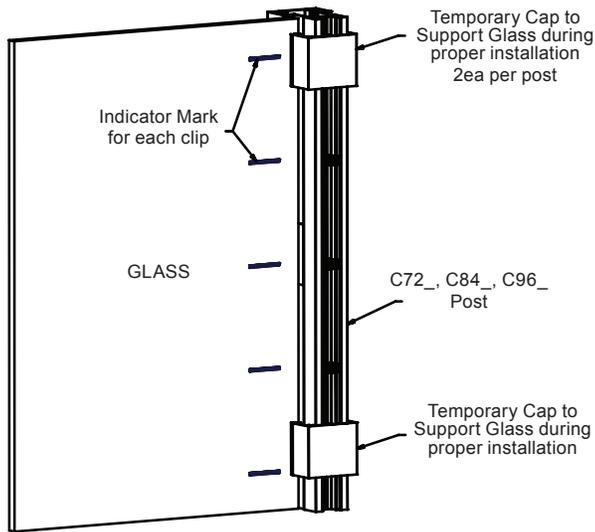
12. Carefully rest glass on RB200 Roller Block before final placement on top of glass setting blocks.



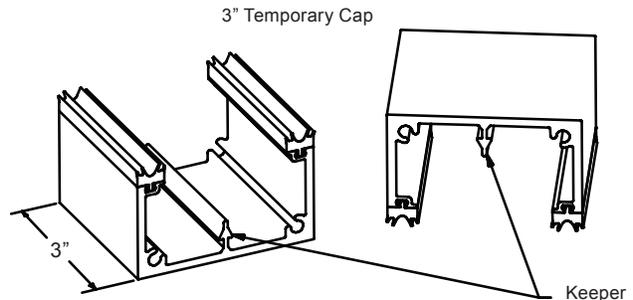
POST INSTALLATION (CONTINUED)

Mark Glass

13. Place a removable indicator mark on the glass next to every clip for later use. Marks will be a visual aid to where directly strike with mallet.



Step-13A

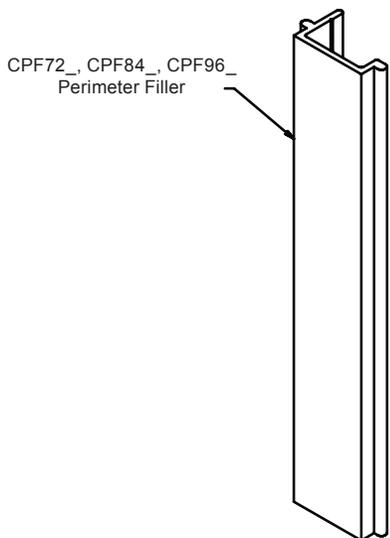


Step-13B

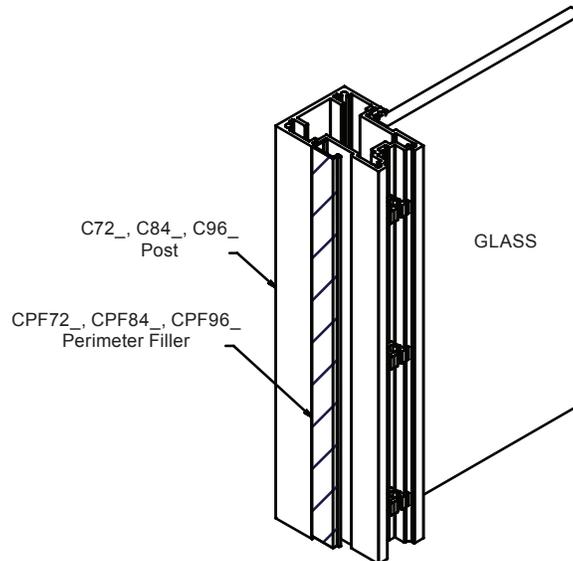
IMPORTANT – Temporarily hold glass in place with temporary cap at all four corners of glass. Align the keeper with plastic clips and push until cap locks in place. To remove temporary cap **SLIDE CAP UP OR DOWN** until it disengages from the plastic clip. Avoid pulling the cap horizontally. If clips are damaged in this process, replace with new ones.

Install Post End Filler

14. Make sure that Perimeter Filler, AHWSP2, is correctly nested in extrusion post prior to installing caps.



Step-14A

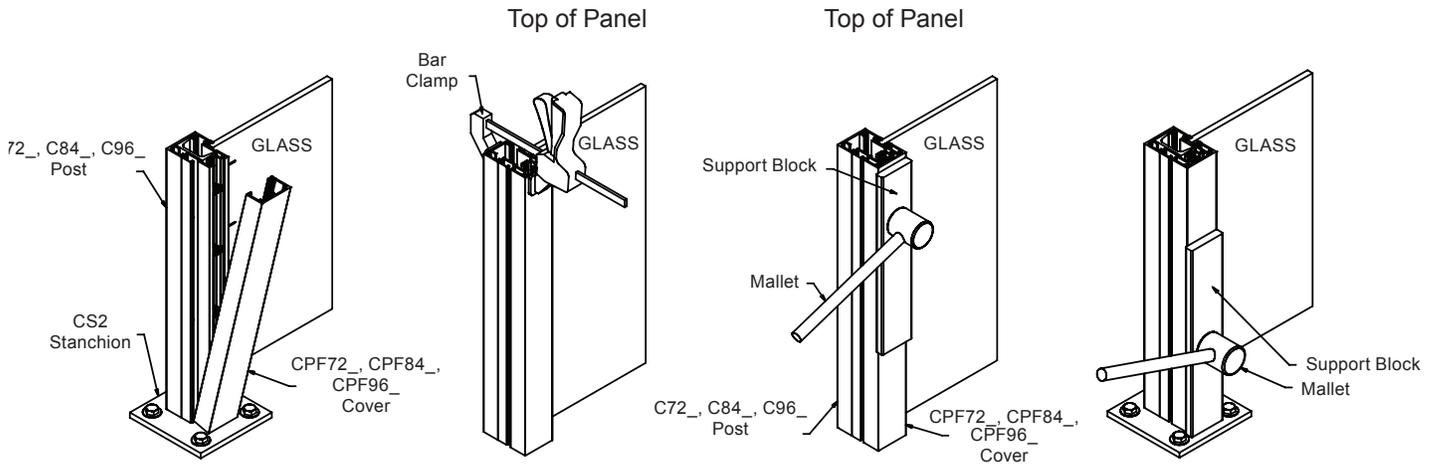


Step-14B

POST INSTALLATION (CONTINUED)

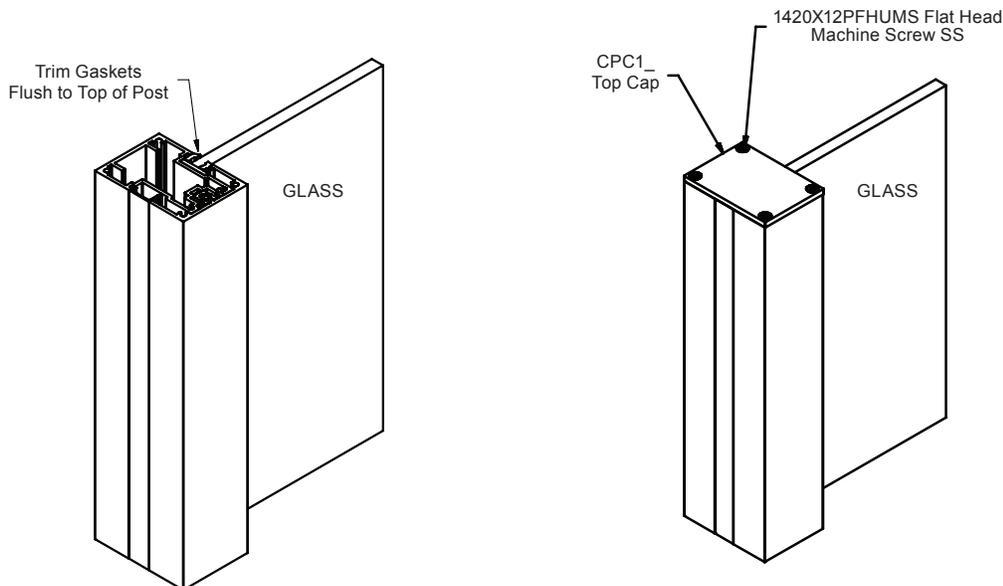
Secure Glass in Post

15. Align the bottom edge of post cap and post. Firmly press and hold the top of cap against the extrusion post until the cap keeper completely snaps into plastic clip. Use clamps at top of post to prevent cap separation while engaging the lower clips. Use ST57550 mallet to hit the cap at EVERY yellow mark to lock in the cap to post. Visually verify that all vertical seams are tightly closed. Avoid hitting the aluminum cap directly with mallet, use piece of wood to prevent damage to cap.

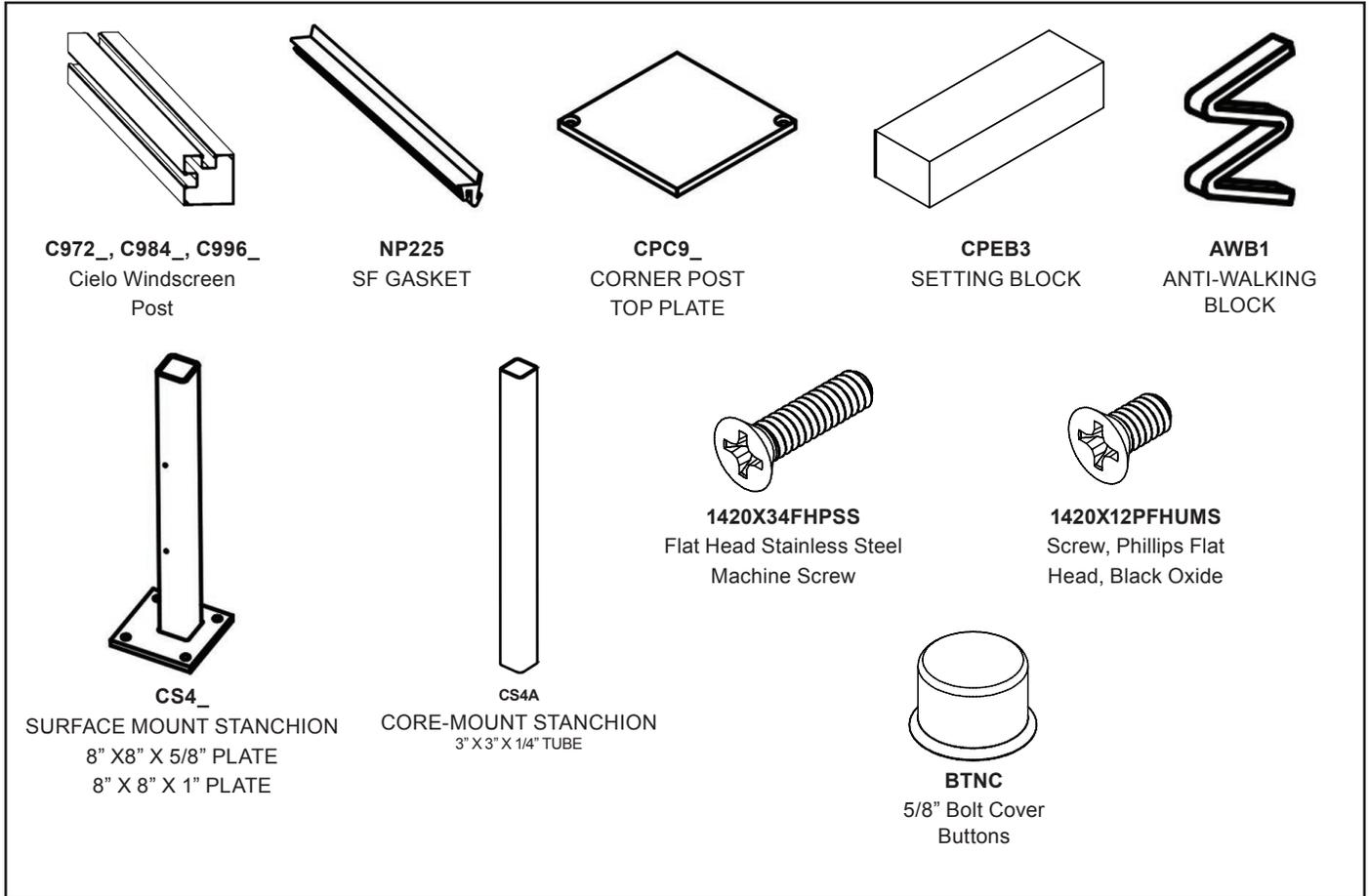


Trim Excess Gasket and Cap

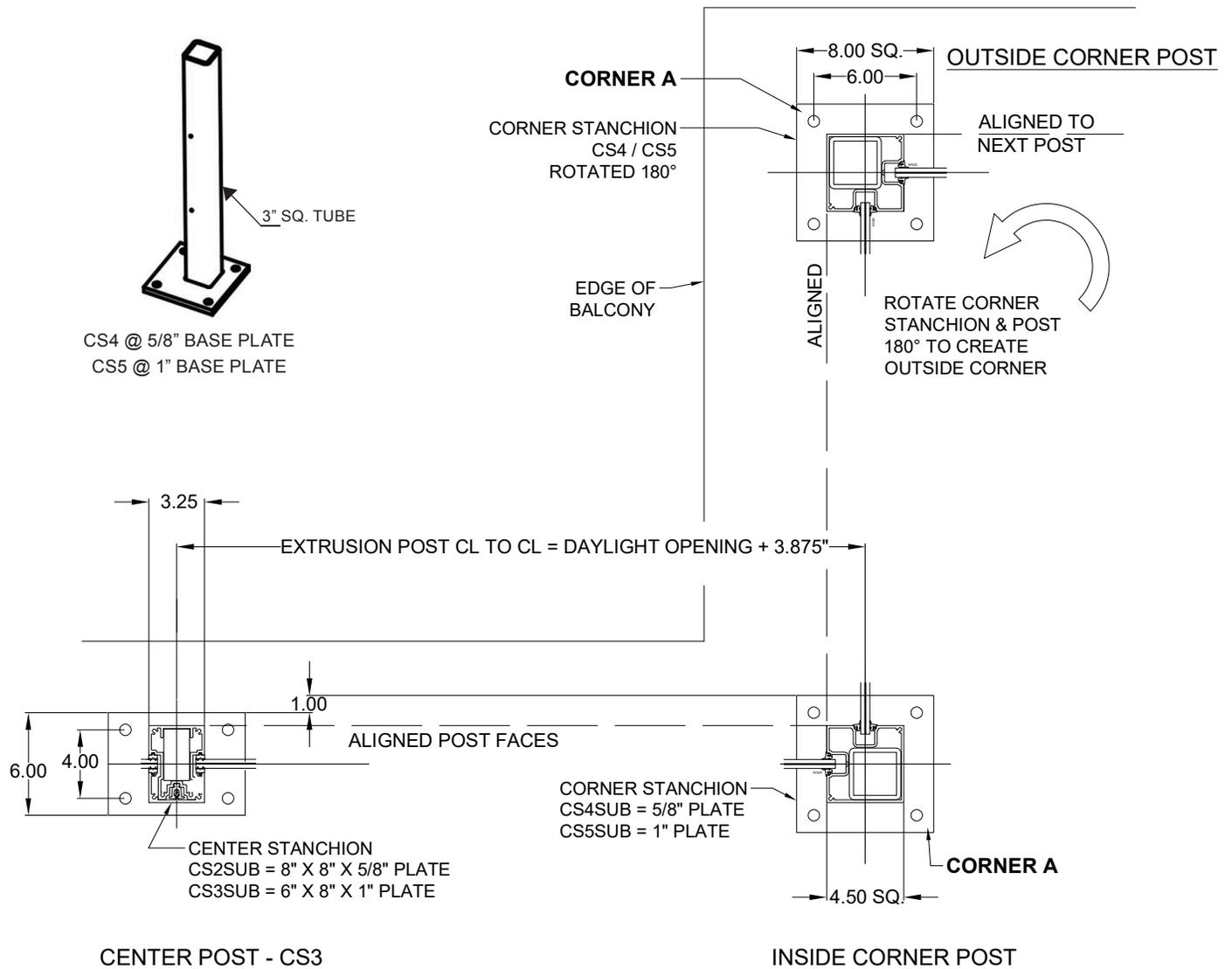
16. Trim any excess gasket material on top of post. Secure top cap to post using four 1/4-20 X 1/2" flat head screws.



90° CORNER POST PARTS LIST

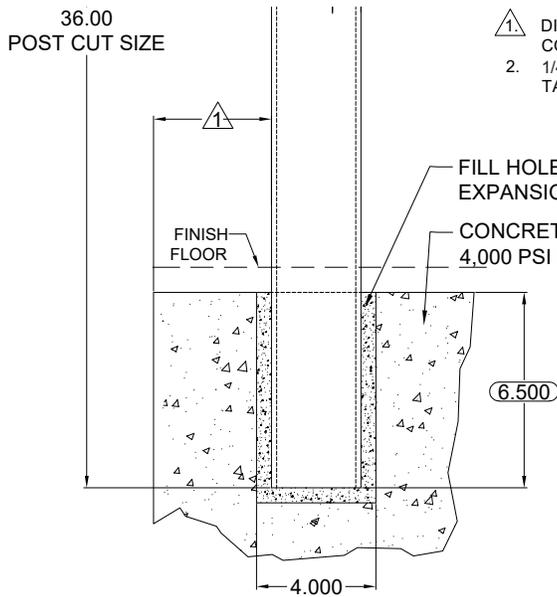


STANCHION LAYOUT FOR 90° CORNER POST



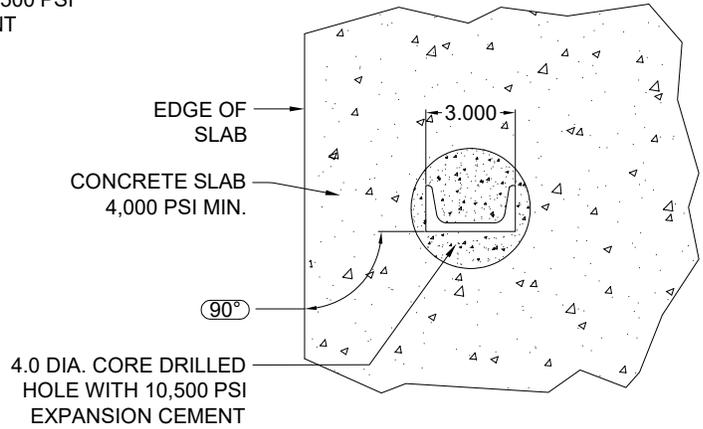
CORNER POST STANCHION LAYOUT- TEMPORARILY PLACE ALUMINUM EXTRUSION OVER STANCHION TO ALIGN GLASS POCKET CENTER LINES, AS SHOWN IN DIAGRAM. ALUMINUM POST AND STANCHIONS MUST ALWAYS BE ASSEMBLED IN THE SAME ORIENTATION TO EACH OTHER. ROTATE STANCHION AND POST TO ACHIEVE DESIRED RAILING CONFIGURATION. POSITION OF STANCHION AND ANCHORING HARDWARE MUST SPECIFIED BY STRUCTURAL ENGINEER.

CORE-MOUNT INSTALLATION



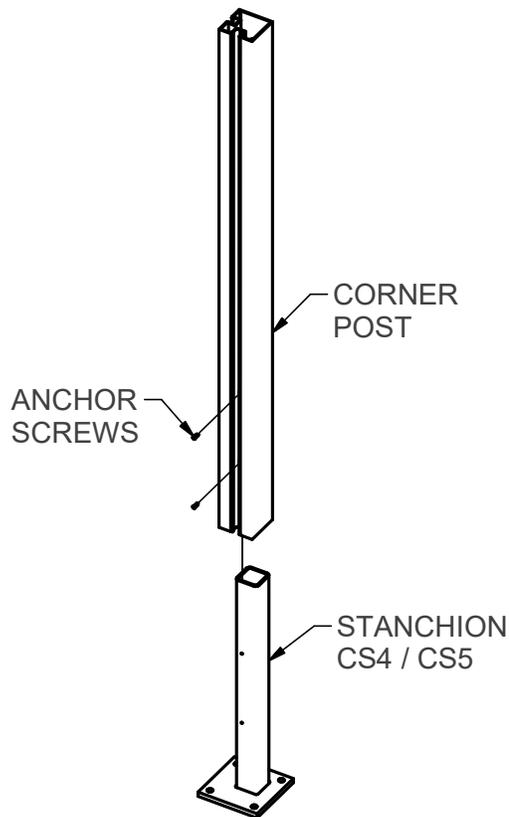
TYPICAL CORE-MOUNT - SECTION

1. DISTANCE FROM CONCRETE SLAB EDGE TO CENTER OF CORE HOLE AND DEPTH OF CORE HOLE SHALL BE SPECIFIED BY STRUCTURAL ENGINEER.
2. 1/4-20 X 3/4" THREADED HOLES IN STANCHION SHALL BE LOCATED, DRILLED AND TAPPED AT JOB SITE.



TYPICAL CORE-MOUNT - TOP VIEW

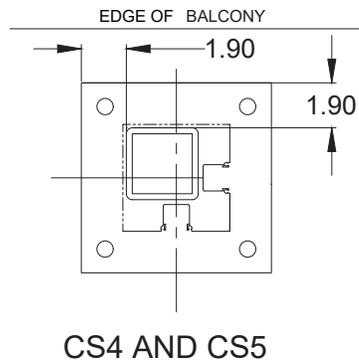
POST INSTALLATION



INSTALLATION AS SPECIFIED
BY STRUCTURAL ENGINEER.

90° CORNER POST INSTALLATION-

AFTER STANCHIONS ARE SECURELY ANCHORED, INSERT POST ONTO STANCHION. SECURELY FASTEN WITH (2) 1/4-20 X 3/4" FLAT HEAD ANCHOR SCREWS.

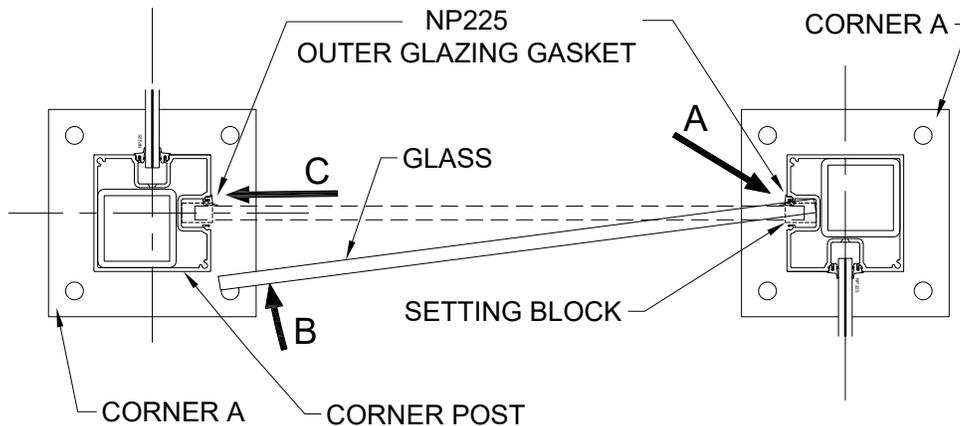


CS4 AND CS5

NOTE:

VERIFY THE POST IS CENTERED ON THE STANCHION. EQUAL SPACES ALL AROUND.

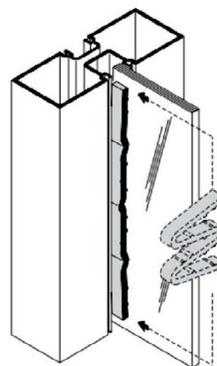
GLAZING IN-BETWEEN CORNER POSTS.

**NOTE:**

GLASS WIDTH IN BETWEEN 2 CORNER POSTS = DAYLIGHT OPENING + 1.0" +.00"/-.125".

GLAZING IN BETWEEN CORNER POSTS

1. PEEL OFF PVC LINER OFF DOUBLE-SIDED TAPE AND INSERT IT INTO GLAZING POCKET AND ON TOP OF BASE PLATE.
2. INSTALL (2) GLAZING GASKET ON THE OUTSIDE GLAZING POCKET ONLY. GASKETS SHOULD BE 1/8" [3.2MM] PER FOOT OF ALUMINUM MEMBER TO ALLOW FOR SHRINKAGE.
3. SET GLASS IN PLACE FOLLOWING THE 3 STEPS OUTLINE BELOW AS SHOWN IN ILLUSTRATION ABOVE.
 - A. FULLY INSERT ONE EDGE OF GLASS INTO POST GLAZING POCKET AND SET ON TOP OFF SETTING BLOCK.
 - B. CAREFULLY SWING THE OTHER GLASS EDGE INTO THE OPPOSITE POST GLAZING POCKET AND SET ON SETTING BLOCK.
 - C. CENTER GLASS IN-BETWEEN CORNER POST TO MAKE ROOM FOR THE ANTI-WALKING BLOCK.
4. INSTALL ANTI-WALKING BLOCK.

**AWB1**

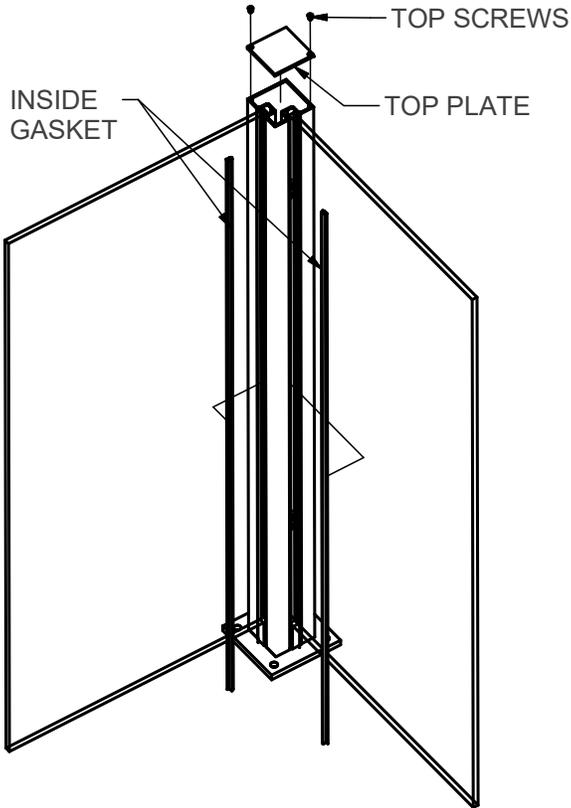
"W" Edge Block

Stretch "W" Edge Block and slide it between glass and mullion into glazing pocket. Push it all the way until it clears glass, expands and locks itself in place

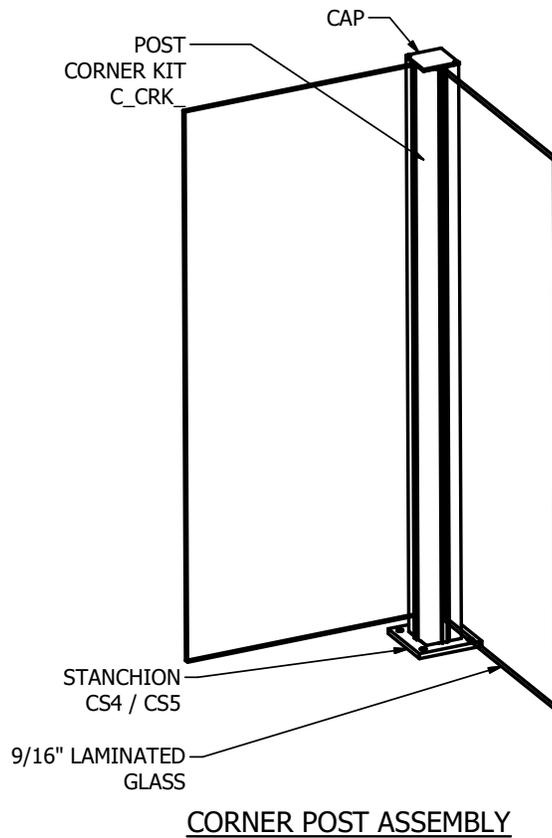
5. INSTALL (2) INNER GASKETS.

Install remaining gaskets. Vertical gaskets run through. Start at corners and work toward center. Tight butt joined corners are critical to avoid leakage. Seal ends of horizontal gaskets prior to abutting to vertical gaskets.

TRIM EXCESS GASKET AND CAP



INSTALL INNER GLASS GASKET.
 DO NOT STRETCH GASKET.
 TRIM EXCESS GASKETS AT TOP OF POST.
 INSTALL TOP PLATE AND FASTEN WITH (2) SCREWS.



CORNER POST ASSEMBLY