

- 1) FOLLOW SHELTER COLUMN LAYOUT FROM SHEET #INSTALL-1.
- 2) LAY ROOF ON ITS SIDE ON A PROTECTED SURFACE. ATTACH CORNER COLUMNS AND INTERMEDIATE COLUMNS TO ROOF WITH 3/8-16 x 1" S.S. HEX HEAD BOLT, WASHER & LOCK WASHER.
- 3) PLACE ANCHOR BOOTS IN BOTTOM OF COLUMNS. STAND SHELTER IN PLACE. (DO NOT ATTACH ANCHOR BOOTS YET)



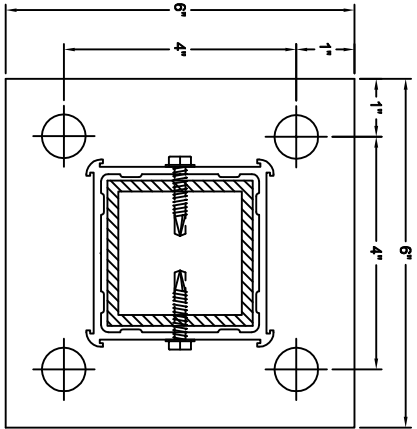
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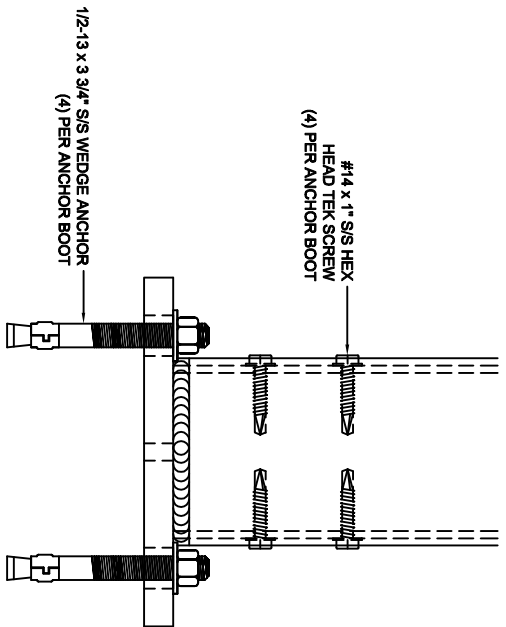
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|----------|---|-----------|-----------|
| STYLE: | GLASS WALL WITH SILL AND HORIZONTAL MULLION | ENGINEER: | BDH |
| PROJECT: | INSTALLATION INSTRUCTIONS | DATE: | 7-12-12 |
| MODEL: | TECHLINE SERIES | CHECKER: | |
| | | DATE: | |
| | | JOB # | |
| | | SHEET #: | INSTALL-2 |



PLAN VIEW



- 4) SQUARE AND LEVEL SHELTER. ATTACH THE COLUMNS TO THE ANCHOR BOOTS USING (4) #14 X 1" TEK SCREWS PER CONNECTION.
- 5) INSTALL WEDGE ANCHORS:
- USING THE ANCHOR BOOT AS A JIG MARK ALL HOLE LOCATIONS. (4) PER BOOT.
 - DRILL A Ø1/2" HOLE IN CONCRETE USING A CARBIDE BIT AND A HAMMER DRILL. THE HOLE NEEDS TO BE DRILLED TO A MINIMUM DEPTH OF 1/2" DEEPER THAN THE WEDGE ANCHOR WILL PENETRATE IN ORDER TO ALLOW SPACE FOR DEBRIS TO FALL DURING THE INSTALLATION PROCESS.
 - BEFORE INSERTING THE WEDGE ANCHOR IT IS IMPORTANT TO CLEAN DEBRIS FROM THE HOLE USING A WIRE BRUSH, VACUUM OR COMPRESSED AIR. THIS STEP TAKEN TO INSURE THAT THE HOLE IS CLEAN OF ANY DEBRIS IS CRITICAL FOR SUCCESSFUL ANCHOR INSTALLATION.
 - PUT THE WASHER ON THE WEDGE ANCHOR AND THREAD THE NUT ON. IT IS IMPORTANT TO MAKE SURE THAT THE NUT IS THREADED SO THAT THE TOP OF IT IS LEVEL WITH THE TOP OF THE WEDGE ANCHOR IN ORDER TO HELP PROTECT THE THREADS FROM ANY DAMAGE WHILE HAMMERING THE ANCHOR INTO THE HOLE.
 - INSERT THE WEDGE ANCHOR WITH THE CLIP END FIRST THROUGH THE BOOT AND INTO HOLE IN THE CONCRETE USING A HAMMER. HIT THE WEDGE ANCHOR AND NUT WITH SHARP BLOWS UNTIL THE WASHER AND NUT ARE SNUG AGAINST THE BASE MATERIAL OR FIXTURE. IT IS CRITICAL THAT THERE IS A MINIMUM OF 6 THREADS BELOW THE SURFACE OF THE BOOT BECAUSE THESE THREADS WILL BE REQUIRED TO SET THE WEDGE ANCHOR.
 - TIGHTEN THE NUT FINGER TIGHT. DO NOT FULLY TIGHTEN AT THIS TIME.



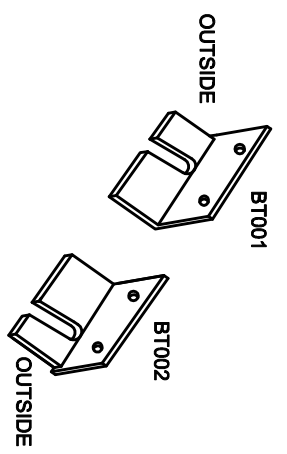
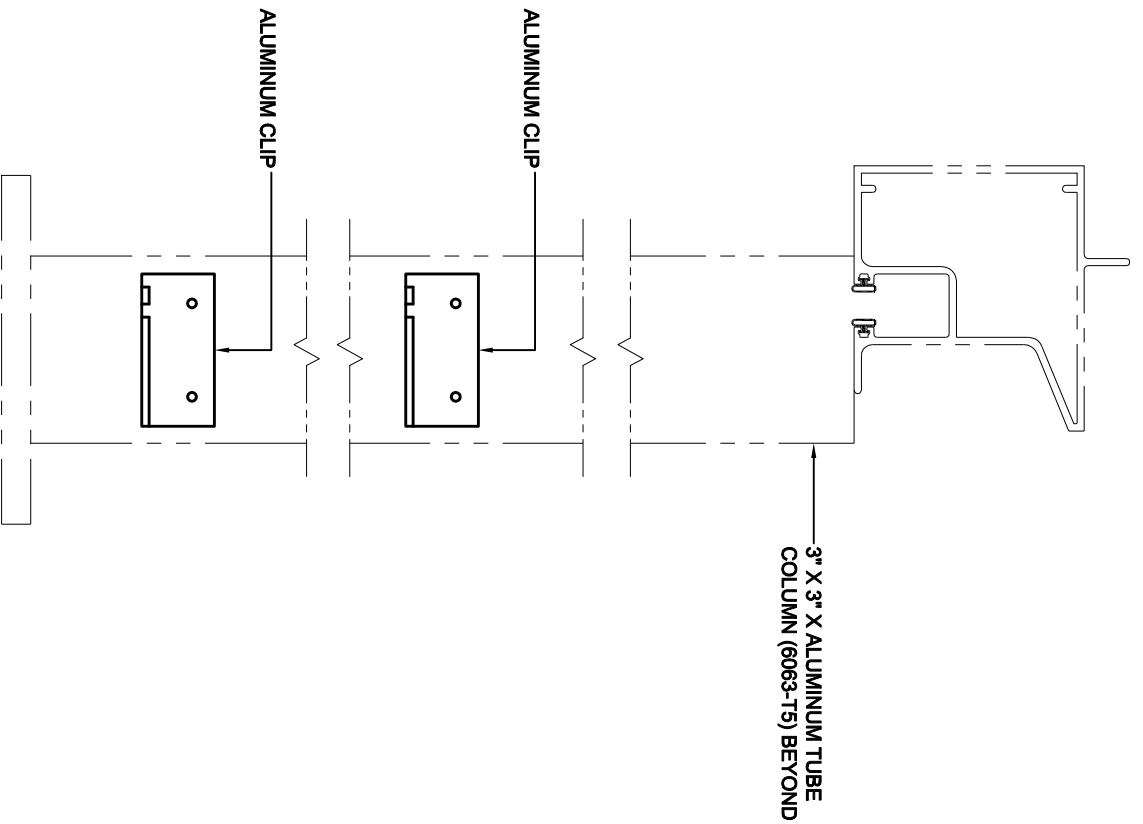
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6) ATTACH SILLMULLION CLIPS TO COLUMNS USING (2) #10 X $\frac{3}{8}$ " THREAD CUTTING SCREWS.
 (MAKE SURE END SLOT FACES TOWARD OUTSIDE OF SHELTER)



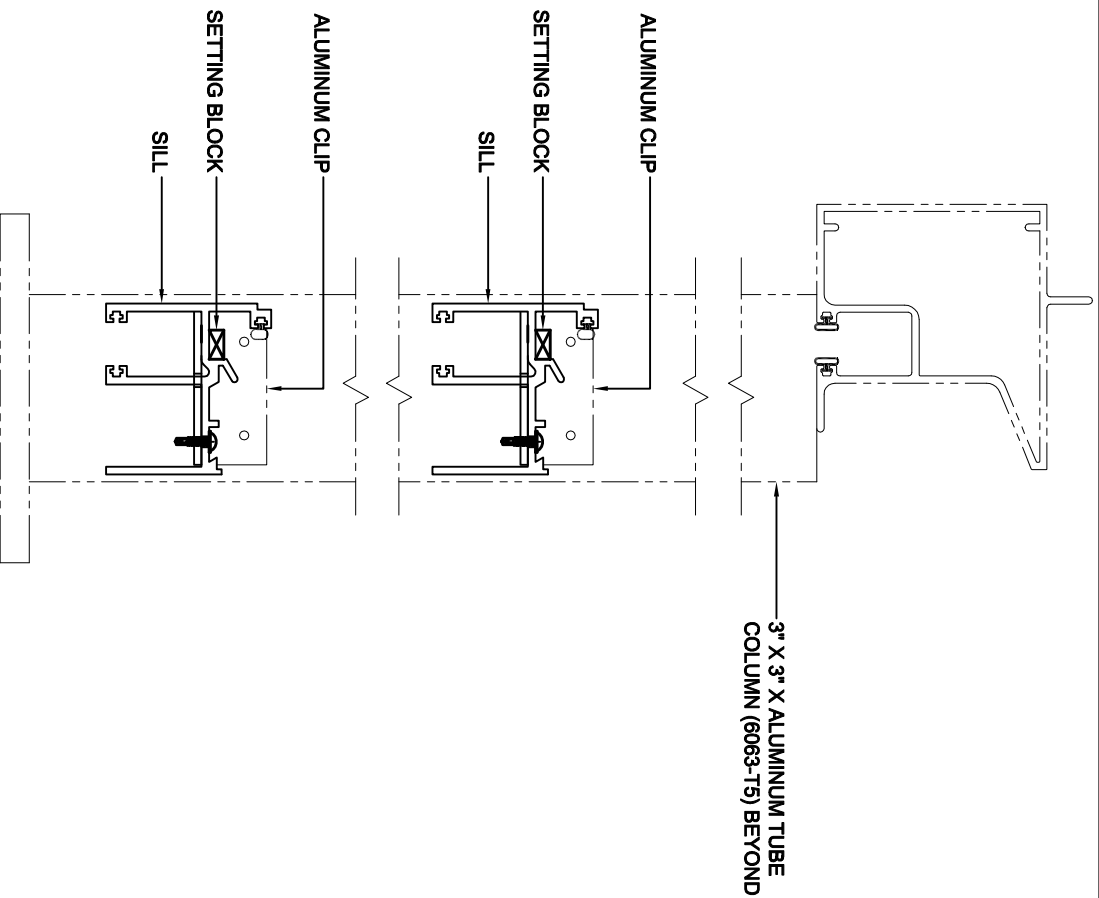
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- 7) ATTACH SILL/MULLION TO CLIPS TO COLUMNS USING (2) #10 X $\frac{3}{4}$ " TORX TEK SCREWS.
(MULLION HAS BULB VINYL ON BOTTOM SIDE)
- 8) PLACE (2) SETTING BLOCKS IN EACH SILL/MULLION NEAR ENDS.



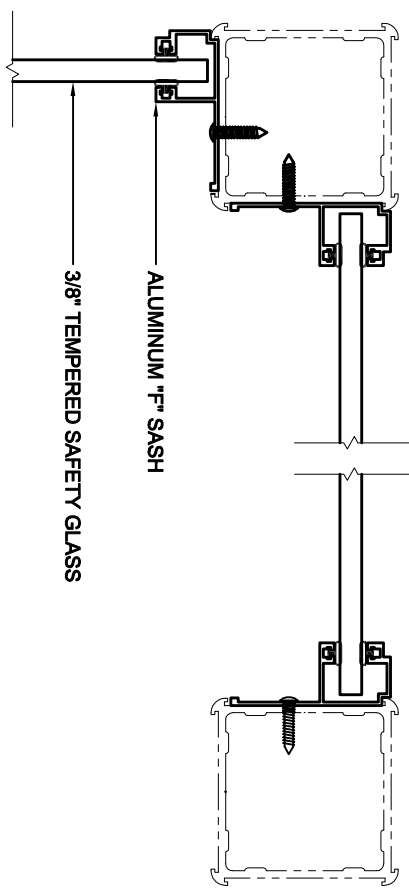
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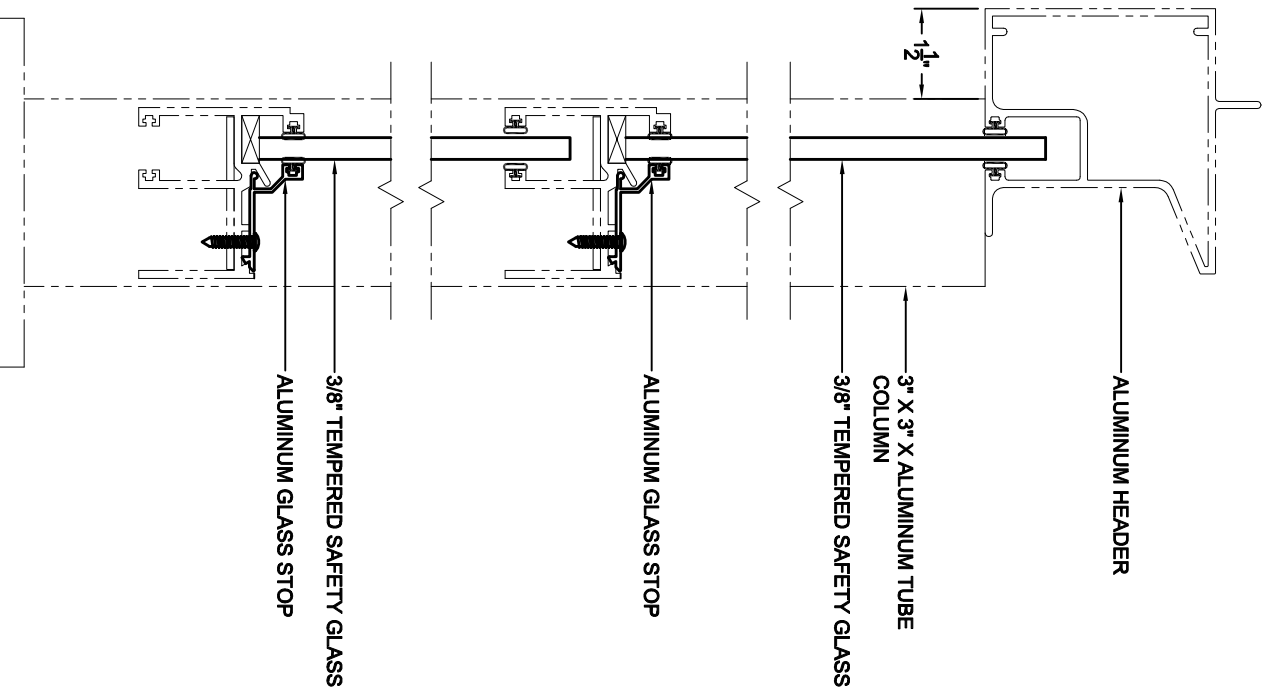
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- 9) PUSH F SASH ON GLASS TIGHTLY AGAINST SIDES.
- 10) USING GLASS SUCTION CUPS SLIDE THE GLASS INTO THE SLOT IN THE HEADER AND DROP DOWN ONTO THE SETTING BLOCKS BELOW.
- 11) PUSH THE SASH AGAINST THE COLUMNS AND ATTACH WITH #10 X 3/4 TORX TEK SCREWS.
- 12) SNAP GLASS STOP INTO PLACE AND ATTACT TO SILLMULLION WITH #10 X 3/4 TORX TEK SCREWS.
- 13) ONCE GLASS IS FULLY SECURED, TIGHTEN WEDGE ANCHOR NUTS.



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