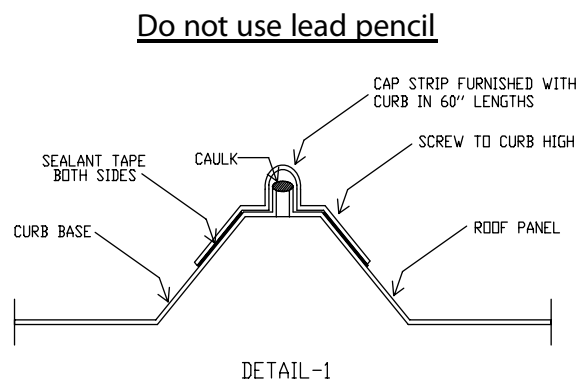




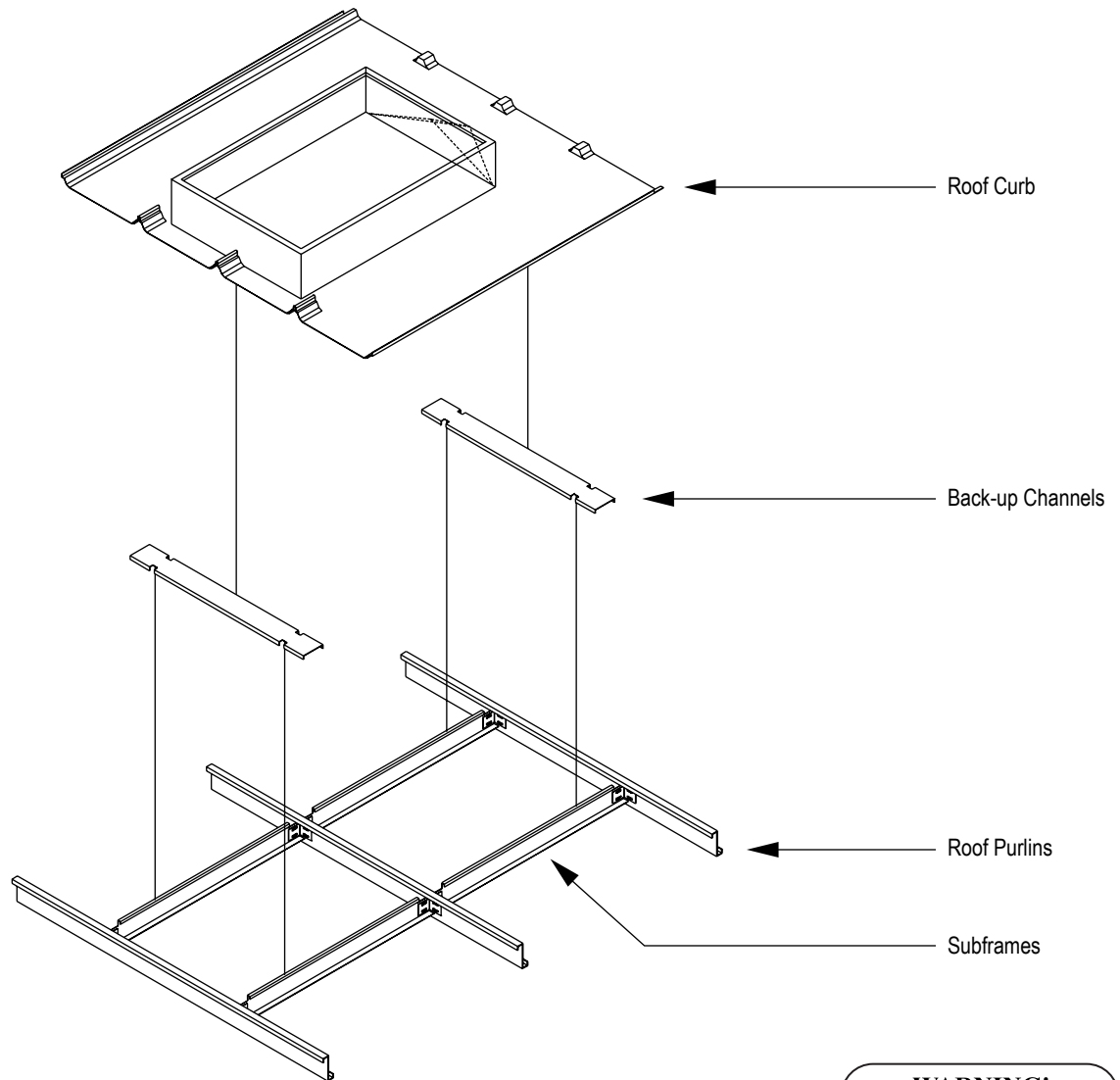
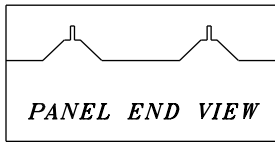
PROCEDURES FOR A TRAPAZOIDAL STANDING SEAM ROOF

1. Set roof curb in place on building steel prior to installation of roof panels where curb will be located.
2. Install roof panels. Roof panel(s) on up slope of curb base may have to be cut to allow installation of curb base under roof panel.
3. The curb base goes under the roof panel(s) on the up slope. Roof panel must lap to back of highs on curb base. The down slope of the curb base fits over the top of the roof panels.
4. Sides of curb base will form a part of the standing seam system. The female portion of the curb base will have to be hand seamed due to the thickness of the roof curb.
5. Caulk or seal the joint up and down slope with a sealant approved for this application by the metal building manufacturer.
6. The curb edge may now have the cap strips (furnished with curb) installed on the sides of the curb base where it forms an integral part of the standing seam. See Detail #1 below.
7. Install sub-frame under roof curb as required due to load or size of curb.



PROCEDURES FOR A TRAPAZOIDAL STANDING SEAM ROOF

Drawing #SS200



WARNING!

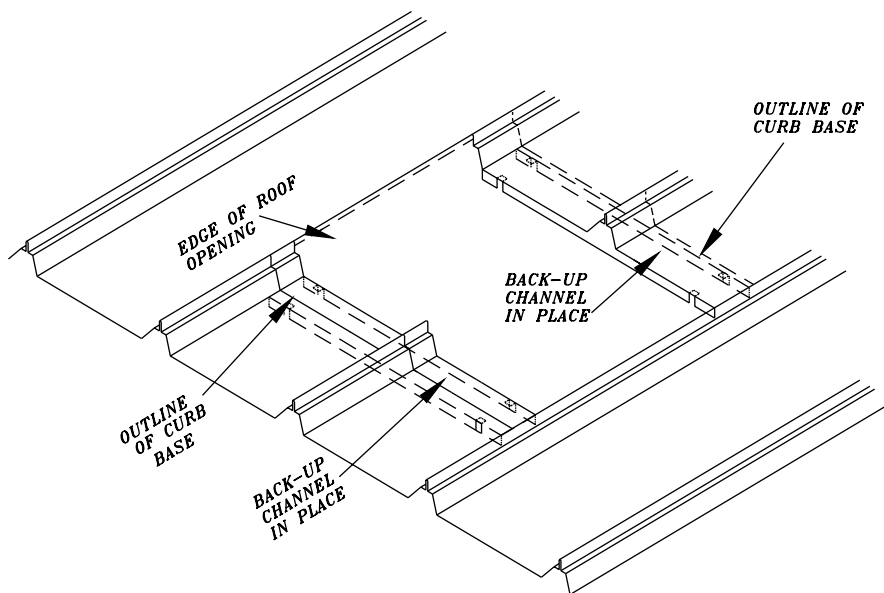
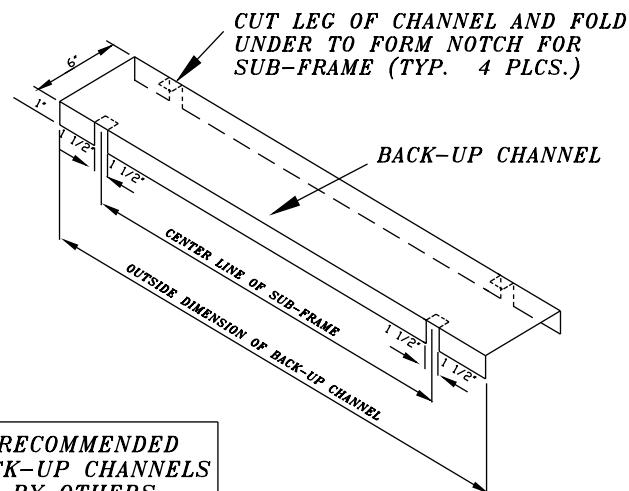
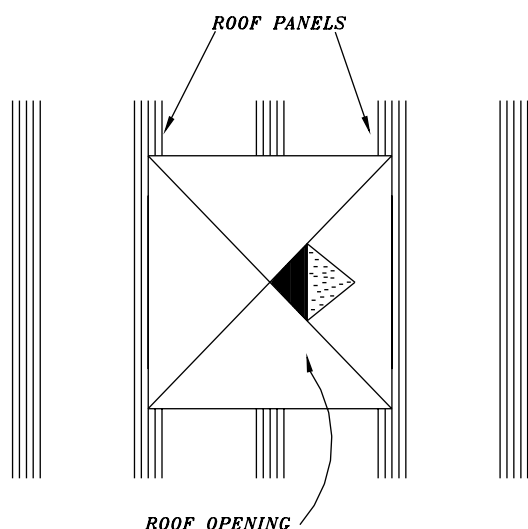
ALWAYS USE FALL PROTECTION WHILE
WORKING AROUND ROOF OPENINGS.

1. On fully sheeted roof, set curb in place. Curb base flange will go to nearest high at a seam.
2. Mark base flange locations and throat area. Do not use lead pencil.
3. Locate and mark roof opening cut line. Uphill cut line will be 1/8" less than length of high (Usually high is 3" thus cut line will be 2 7/8" from front of high). Downhill cut line will be 1" less than length of high, or 1" from backside of curb.
4. Install sub-frames as shown.
5. Layout roof panel cut line and cut according to building manufactures recommendations.
6. Installation continued on drawing #SS201.

NOTE For uninsulated curb, throat is actual I.D. of curb. For insulated curb, use actual I.D. and add 1 1/2" each side

PROCEDURES FOR A TRAPAZOIDAL STANDING SEAM ROOF

Drawing #SS201

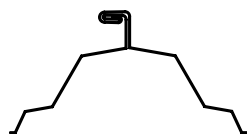


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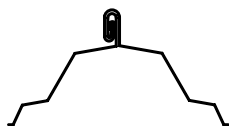
ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.

7. Remove cut panels from roof opening and clean up all metal shavings.
8. Remove insulation leaving insulation facing in place.
9. Cut insulation facing diagonally and tuck sections under roof panels to trim roof openings.
10. Install back-up channels. See detail of channel assembly. Tuck tabs over top of sub-frame. Edge of sub-frame is flush with curb opening.
11. No screws required in the channel. It will be secured when curb is fastened down.
12. Installation continued on drawing #SS202.

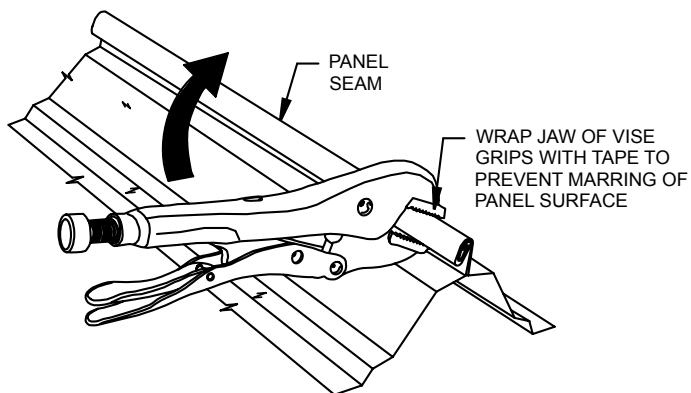
SEAM PREP PROCEDURE



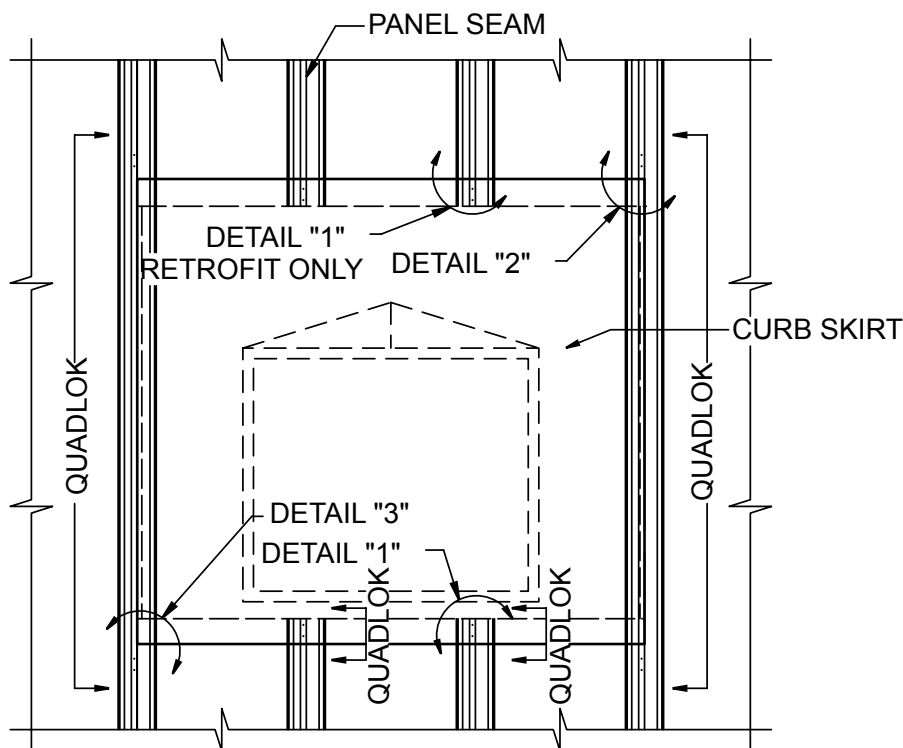
TRIPLELOK SEAM



QUADLOK SEAM



TO OPEN A CLOSED (QUADLOK) SEAM FOR DRILLING.....



WARNING!

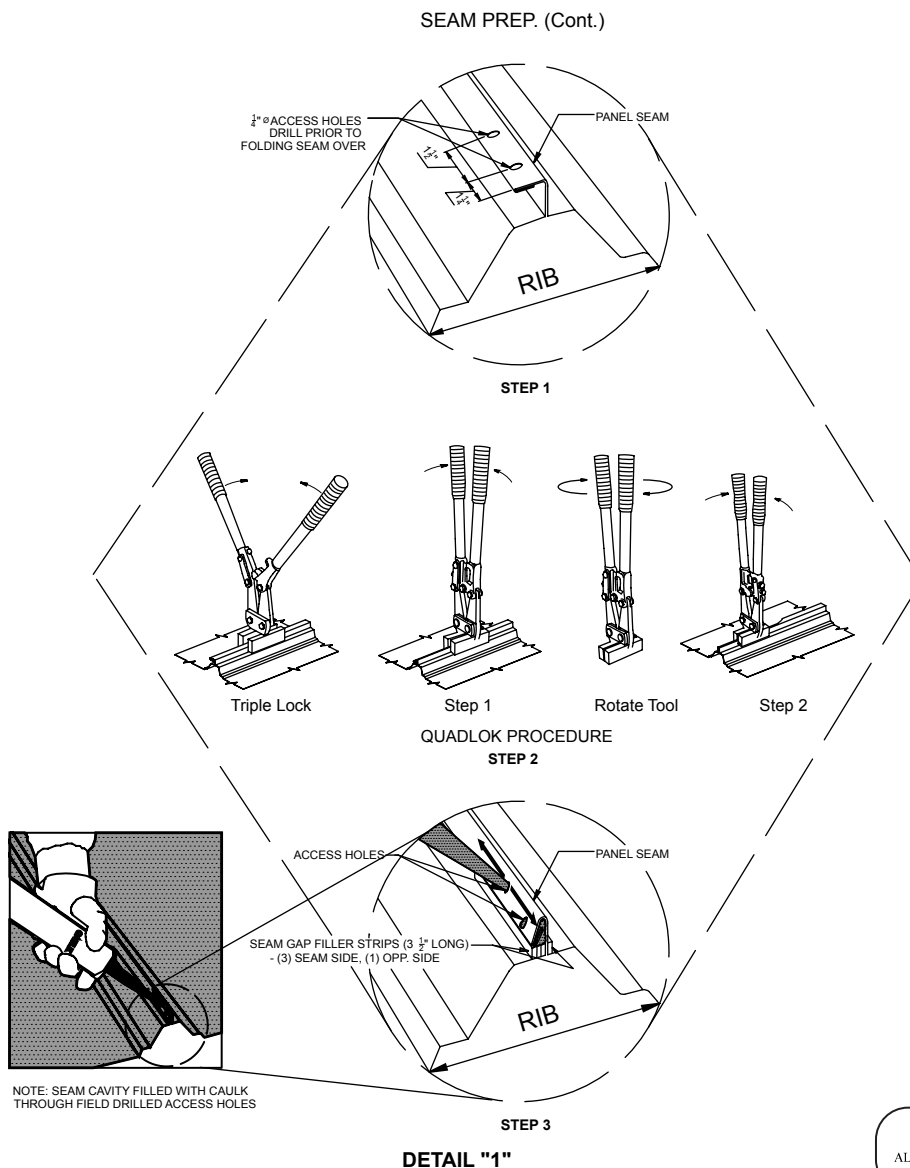
ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.

13. The seam style will more than likely be TripleLok at the roof panel end. If not then the seam must be opened in order to drill and seal. This can be accomplished using vice grips as shown.

14. The above detail locator shows the specific details to refer to, and the seam treatment, and special sealant treatment all around the opening.

SEAM PREP (CONTINUED)

PREP



WARNING!

ALWAYS USE FALL PROTECTION WHILE
WORKING AROUND ROOF OPENINGS.

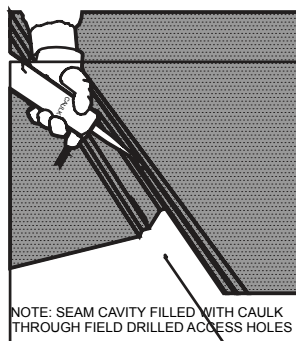
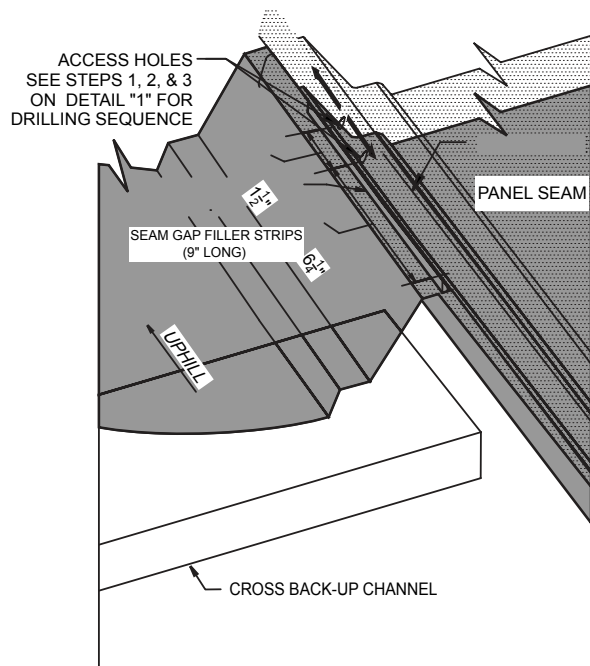
15. These next few steps are critical to the water tightness and integrity of the entire installation. Each is considered essential. If the following details are not adhered to then the system is void of all test values and warranties and cannot be warranted as a 20 weather tight system.

16. The panel seam is to be drilled with 1/4" holes. Drill all the way through the seam as shown on step 1 detail 1. Fold the seam to 180° (Quadlok) and then fill the seam gap with strips of 1/4" bead sealant. Finally, force fill the

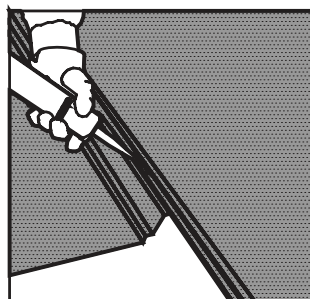
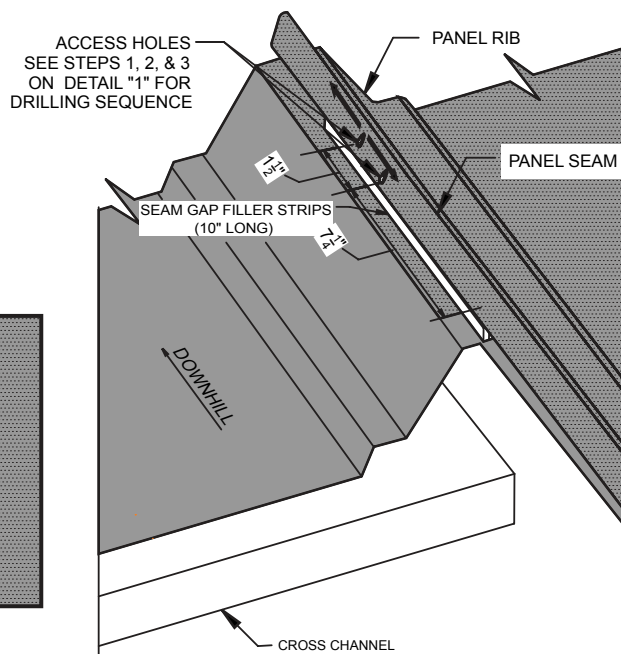
access holes with caulk and continue until you see signs of caulk protruding beyond the holes. Note. Detail 1 does not apply, in the "sheeted in" option, to the uphill end installation when the pigtail is in place.

17. In order for roof curb to fit properly the last 8" of the seam must be turned down to 180 degrees (Quadlok) above and below the opening. This will be accomplished with hand seamers and the operation of these seameers is as shown above.

SEAM PREP (CONTINUED)



DETAIL "2"
UPHILL



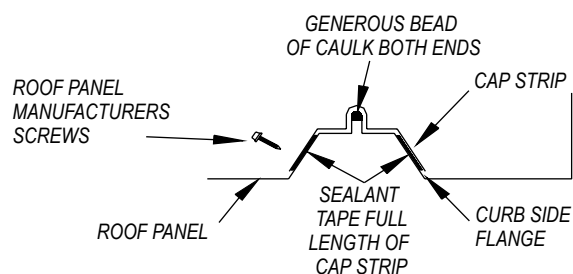
DETAIL "3"
DOWNHILL

18. To prepare the side seams for the seam cap will happen at all four corners of the detail. The preparation is the same drill and fill but requires different set back dimensions. The set back at the uphill end is 6 1/4" while the downhill is 7 1/4". The finished QuadLok seam

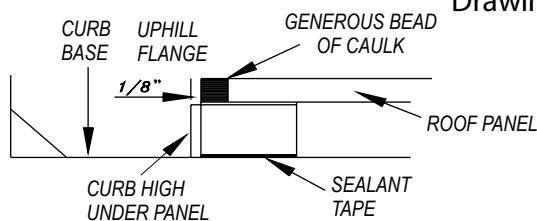
should be a minimum of 1'-0" above and below the panel opening. Install (3) strips of seam gap fillers 9" & 10" long to fill void as shown on Detail 2 and 3.

PROCEDURES FOR A TRAPAZOIDAL STANDING SEAM ROOF

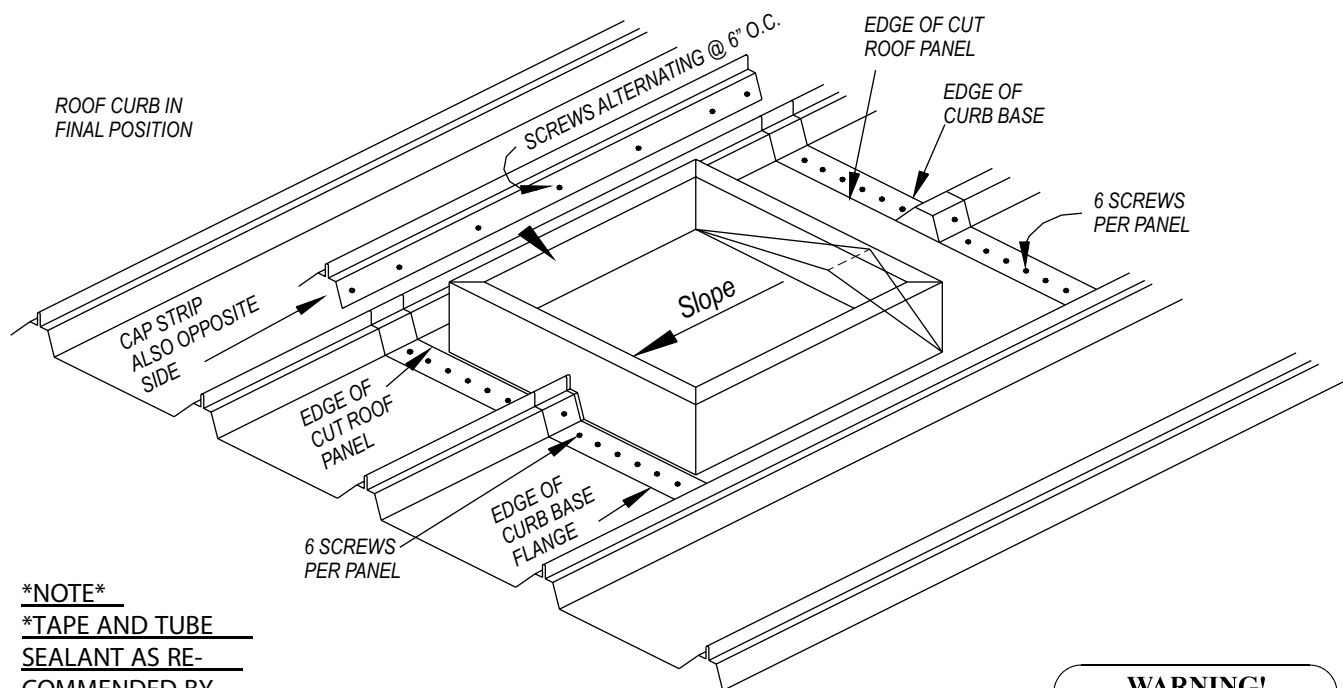
Drawing #SS202



DETAIL "A"



DETAIL "B"



NOTE
*TAPE AND TUBE
SEALANT AS RE-
COMMENDED BY
BUILDING
MANUFACTURER

N.T.S.

WARNING!
ALWAYS USE FALL PROTECTION WHILE
WORKING AROUND ROOF OPENINGS.

19. Apply a strip of sealant tape on upper side of uphill base flange, See Detail "B" above. On downhill base flange, apply sealant tape to bottom (underneath) side of base flange.

20. Caulk seams where curb base butts to roof panel. See Detail "A".

21. Position roof curb over roof opening and lower into place, shift curb to align with sub-frames and roof panels.

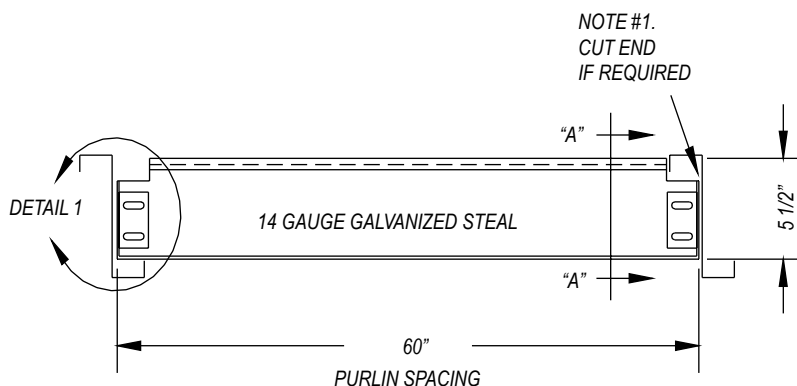
22. Secure curb using 6 recommended screws per panel, uphill & downhill in curb base flange.

23. Turn the cap strips upside down and install sealant tape to both inside legs and along full length of cap strips. Install cap strips over the curb / roof panel sidelap and fasten with screws alternating on 6" centers staggered on both sides.

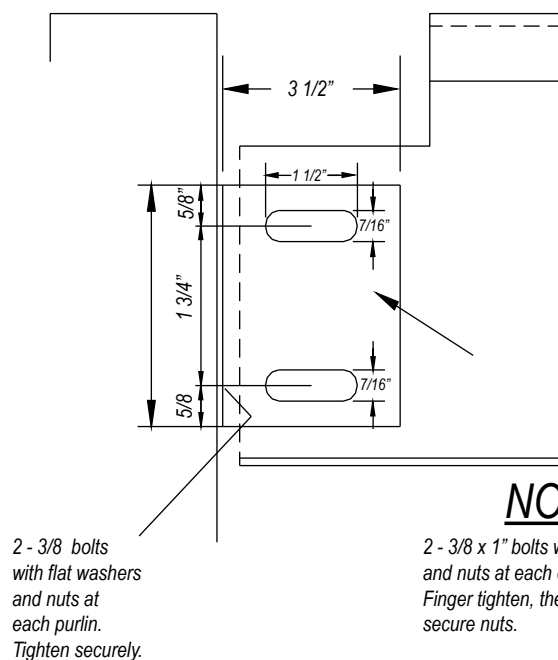
24. End of installation. Clean-up installation debris before leaving area.

Floating Sub-Frame Details and Modification Instructions For Standing Seam Roof

Drawing #MR102



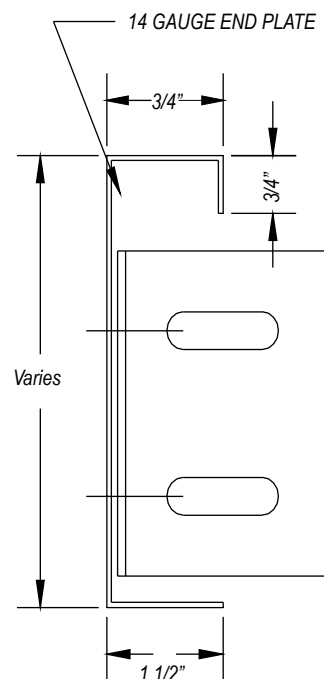
STANDARD SUB-FRAME



NOTE

2 - 3/8 x 1" bolts with 2 flat washers and nuts at each end of sub-frame. Finger tighten, then setup threads to secure nuts.

DETAIL 1



SECTION "A-A"

NOTE 2.
SUB-FRAME MAX.
LOADING 500#.

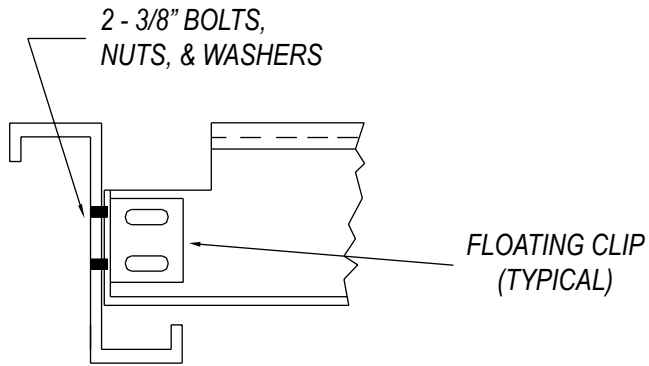
NOTE 3.
INSTALLATION
INSTRUCTIONS CONTINUED
ON DRAWING MR103

WARNING!

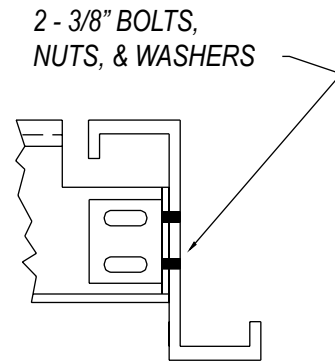
ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.

Sub-Frame Mounting Detail

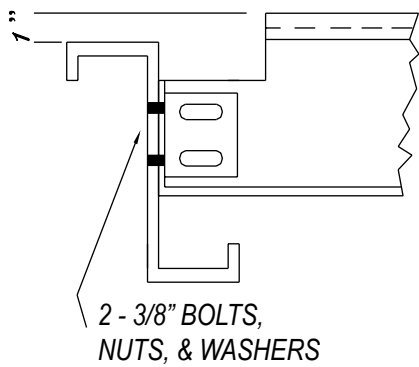
Drawing #MR103



FLUSH MOUNT

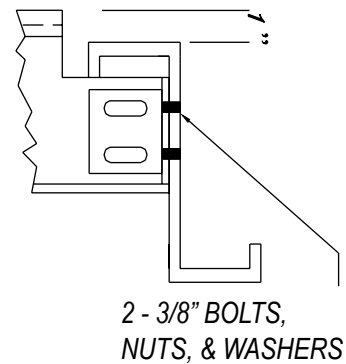


FLUSH MOUNT



RAISED MOUNT

B DETAIL B



RAISED MOUNT

A DETAIL A

WARNING!

ALWAYS USE FALL PROTECTION WHILE
WORKING AROUND ROOF OPENINGS.