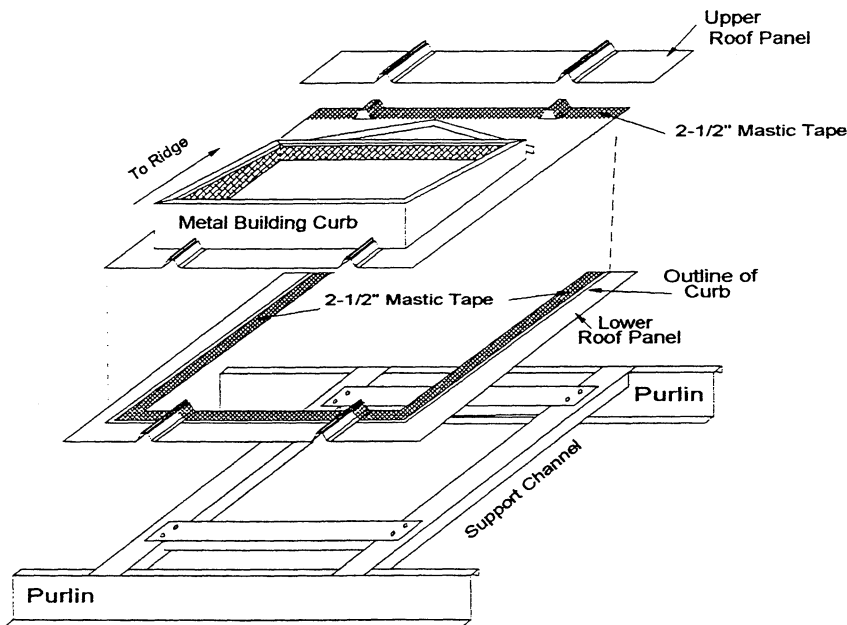


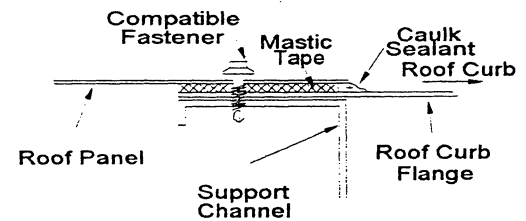
Installation Instructions Metal Building Roof Curbs

Trapezoid Seam Roof Panel Curb Model MBS-5 (Over / Under)

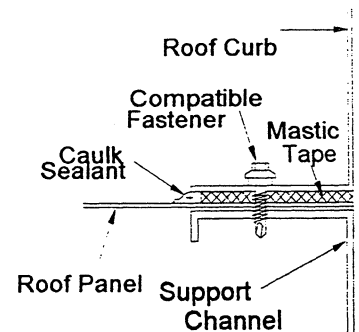
1. Once building framing is complete, locate roof opening and place support framing for roof curb and equipment loads in accordance with building engineer's specifications, being careful not to fasten support channels to purlins. The support framing is to be configured so that at least two parallel curb walls rest on these support channels. Loads shall not be supported by a cantilever curb section exceeding 12" in length.
2. Fasten roof panels to purlins being careful to mark location of support channels. Position roof curb on panels so that curb ribs line up with roof panel ribs. Using a pencil, trace the outer perimeter of the curb and the inside opening. Remove curb and measure 3" in from the upper and lower lines and draw parallel lines. Extend the inside lines (lines running parallel with ribs) and connect to the lines just drawn 3" in from upper and lower lines.
3. Cut out the roof opening using the last four lines just drawn (Note in the event that a panel rib falls between the curb I.D. and the outer side flange, then the 2 side cuts will need to extend past those ribs).
4. Using the cut opening slide and position the support channels so that they support the two parallel sides running the same direction as the ribs. Now fasten the support channels to the purlins.



Cross Section of Ridge Side



Cross Section of Lower 3 Sides



5. Temporarily position roof curb over prepared opening. Check fit and make any corrections or adjustments before continuing.
6. Remove curb and apply the mastic tape to roof panel 1/2" in from the lines penciled on the outer perimeter of the lower panel. Apply mastic tape to the upper top flange of the curb, 1/2" from the upper end. Be careful to mitre the corners of the tape (do not butt or overlap the tape), except where the tape ends use a square cut.
7. Place roof curb over opening and secure with 2 screws placed on opposite sides of curb but do not tighten down. These screws are intended to keep the curb in one position. Install upper roof panel in place. Apply a 1/4" bead of silicone or polyurethane caulk between the outer flange of the roof curb and roof panel on the 3 lower sides. Also apply caulk between upper roof panel and curb (apply caulk liberally).
8. Fasten the curb to the support channels through the curb flange and roof panel using suitable fasteners spaced a minimum of 6 inches apart, with a minimum of 4 fasteners per side. You may want to finger tool the silicone or polyurethane caulk to ensure there is no air or missed gaps in caulk.
9. Apply a closed cell neoprene strip to top of roof curb before setting equipment. The equipment should be fastened directly to curb wall using suitable fasteners.