ROOF CURB INSTALLATION INSTRUCTIONS:
R-PANELS
Installation Check List:

- Attach Sub-frame(s) ................................................................. Step 1
- Layout Curb(s) on Roof Panel .................................................. Step 2
- Mount Back-up Channels .......................................................... Step 3
- Apply Sealants & Set Curb in Place .......................................... Step 4
- Fasten Curb to Back-up Channels ............................................. Step 5

**PARTS LIST**

- **Flat Washer**
- **Polyurethane Sealant Caulk**
- **Nut**
- **14 Gauge Galvanized Steel Subframe**
  5-1/2" tall
  Length is equal to the purlin spacing minus 1-3/8"
- **3/8" x 1" bolts**
- **#14 - 1 1/8" Neoprene Self-Tap Screw**
- **Back-up Channel**
- **Triple Bead Sealant Tape**

**BEGIN INSTALLATION**

**1. ATTACH SUB-FRAMES**

Attach sub-frames to purlins (see drawing 1.1 and 1.2). Finger tighten all hardware, then upset threads to secure nuts. Attach sub-frames using the nuts, bolts, and washers.

*NOTICE* Sub-frame max. loading 500 lbs.
2) LAYOUT CURB ON ROOF PANEL

Mark base flange locations and throat area cut lines by setting roof curb in place on roof panel (DO NOT USE LEAD PENCIL). Upslope/downslope cut lines will be 2 1/2" less than outer edge of base flange.

Note #1: For uninsulated curb(s), throat opening is actual I.D. of curb. For insulated curb(s), use actual I.D. and add 1 3/4" to each side.

3) MOUNT BACK-UP CHANNELS

Center back-up channels with the center roof opening(s). Cut slots in back-up channels to slide over sub-frame(s) (see drawing 4.1).

Back-up channels are not be screwed to sub-frame or purlin. Slide back-up channels underneath roof panel (see drawing 4.2). Back-up channels are to be flush with roof opening as showing in drawing 4.2.

*NOTICE* DO NOT SCREW BACK-UP CHANNELS TO SUB-FRAMES!
**4) APPLY SEALANTS & SET CURB IN PLACE**

Apply a strip of sealant tape on the upslope side of the roof curb(s) and on downslope side of the roof panel before setting roof curb(s) in place (see drawing 4.1).

*NOTICE* Sub-frames and back-up channels not shown in the above picture(s).

**5) FASTEN CURB TO BACK-UP CHANNELS**

Fasten curb(s) to back-up channels and roof panel using self-tap screws (see drawing 5.2). DO NOT FASTEN CURB, ROOF PANEL, OR BACK-UP CHANNELS TO SUB-FRAMES.

*NOTICE* Sub-frames and back-up channels not shown in the above picture(s).
ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.