ROOF CURB INSTALLATION INSTRUCTIONS:
HORIZONTAL STANDING SEAM PANEL
Installation Check List:

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

**PARTS LIST**

- Flat Washer
- Nut
- Bolt
- Mounting Clip
- #14 - 1 1/8" Neoprene Self-Tap Screw

- Polyurethane Sealant Caulk
- Triple Bead Sealant Tape
- 14 Gauge Galvanized Steel Subframe
  - 5-1/2" tall
  - Length is equal to the purlin spacing minus 1-3/8"
- Back-up Channels (field notch)

**BEGIN INSTALLATION**

**1. ATTACH SUB-FRAMES** *(framed opening is already installed)*

Attach mounting clips to sub-frame and align the top of the sub-frame under the vertical box of roof curb and flush to the bottom side of roof sheets. Use the mounting clip as a template, mark on purlin where 7/16" holes are to be drilled. Once holes are drilled, attach mounting clips to purlins using flat washers, nuts, and bolts (see drawing 1.1). Finger tighten all hardware, then upset threads to secure nuts. Attach sub-frames to mounting clips using flat washers, nuts, and bolts (see drawing 1.2).

*NOTICE* Sub-frame max. loading 500 lbs.

**WARNING!**

**ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.**
**2) LAYOUT CURB ON ROOF PANEL**

Mark cut lines by setting roof curb(s) in place on roof panel (see drawing 2.1) (DO NOT USE LEAD PENCIL). Upslope cut line will be 3” less than outer edge of curb base flange (see drawing 2.2). Downslope cut line will be 4” less than outer edge of base flange (see drawing 2.2). Remove exterior panel leaving the insulation face showing (see drawing 2.3) and cleanup all metal shavings and debris.

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**3) BACK-UP CHANNELS**

Notch back-up channels (see drawing). Slide back-up channels under roof panel on top of sub-frames. Do not screw back-up channels to subframes. They will be secured when curb is fastened down.

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**WARNING!**

ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.
# Always Use Fall Protection While Working Around Roof Openings

**Roof Curb**

**Installation Instructions**

**Horizontal Standing Seam Panel**

- **Notice**: Sub-frames and purlins not shown in the above picture.

## 4. Apply Sealants & Set Curb In Place

Apply a strip of sealant tape and generous bead of caulk on the upslope side of the roof curb and on downslope side of the roof panel, apply a generous bead of caulk where the panel overlaps the side of roof curb and where side of roof curb overlaps panel (full perimeter) before setting roof curb in place (see drawing 4.1). Position roof curb over roof opening and lower into place, shift curb to align with sub-frames and roof panel.

### Prepare Upslope Panel Seams

1. **A** Mark rib for cutting
2. **B** Remove marked section of rib
3. **C** Fold over rib and crimp tight.

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The downslope of curb is to be installed **OVER** the roof panel.

The upslope of curb is to be installed **UNDER** the roof panel.

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*Notice* Sub-frames and purlins not shown in the above picture.

**WARNING!**

ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.
FASTEN CURB TO ROOF PANEL

Fasten curb to roof panel using #14 - 1 1/8” neoprene self-tap screw on 4” centers (see drawing 5.1). DO NOT FASTEN CURB OR ROOF PANEL TO SUB-FRAMES. Please ensure all self-tap screws are properly tightened before moving to the next step.

*Notice* Sub-frames and purlins not shown in the above picture.

COMPLETED INSTALLATION

**Clean up installation debris before leaving area.**