

Industrial Horizontal Curb Seismic Installation

Below is a typical industrial roof-top curb designed for a wood structure. The lag bolts for this installation must be installed with a minimum of 3 1/2" engagement, 1 1/2" away from any edge, and not installed into the end grain.

For concrete roof installation, use a 3/8" diameter wedge-bolt. This bolt cannot be less than 3' away from the wall, installed with 3" of embedment into at least 3000PSI concrete.

For steel roof installation, use a 5/16"-24 self tapping screw. Welding the curb to the roofing members is not recommended at this time.

To attach the heater to the curb, use 1/4"-20 SAE grade 2(or better) self tapping screws with oversized washers, along full perimeter of curb on 12" centers.

For steel and concrete attachment, 3 equally spaced anchor points are used.

For wood attachment, 6 equally spaced anchor points are used.

For steel and concrete attachment, 8 equally spaced anchor points are used.
For wood attachment, 8 equally spaced anchor points are used.

All curb assembly hardware must be 5/16"-18, SAE grade 2 or better. This includes all bolts, nuts, and washers.

Heater attached to curb with 1/4"-20 self tapping sheet metal screws on 12" centers around perimeter of curb. Screws must include a oversized washer and must meet or exceed SAE Grade 2 ratings.

Installation hardware is dependant on the roofing substructure. For steel and concrete, 26 total anchor points are used. For wood, 46 total anchor points are used. Wood anchor points are illustrated.

