



Type E-S

Seismic Roof Isolation Curb

All Rooftop Isolation Curbs shall be full perimeter construction using structural steel tubing for the upper and lower members. The lower frame must accept point support for both seismic attachment and leveling. The upper frame must be designed with positive fastening provisions (welding or bolting), to anchor the rooftop unit to the curb, which will not violate the National Roofing Contractors Association (NRCA) ratings of the membranes waterproofing. Contact points between the rooftop unit, the curb and the building structure shall show load path through those locations only.

The curb shall consist of a rigid lower member with properly spaced, fully adjustable spring pockets that allow for removal or replacement of the spring after installation. Lower member of curb shall contain provisions for supporting field installed insulation panels. Curb shall contain perforated material to allow for insulation to absorb airborne noise and a wood nailer for attachment of roofing material. Curb shall have a continuous structural upper member. A flexible waterproofing membrane shall be supplied to span between the upper and lower sections of the curb. Flashing shall be provided to allow for protection of the waterproof membrane and roofing material edging. A continuous gasket shall be provided to be applied to the top member. Curbs shall be capable of being point supported from the building structure.

Where required, curb shall contain pre-welded duct supports.

Curb shall have provisions to positively attach the equipment for wind and seismic loading. Spring pockets shall be certified to support all wind and seismic loads applied to the unit. Pocket shall include a functional neoprene bushing to absorb impact, with a maximum of 0.25" air gap prior to contact.

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