



MASON INDUSTRIES, Inc.
Manufactures of Vibration Control Products

350 Rabro Drive 2101 W. Crescent Ave., Suite D
 Hauppauge, NY 11788 Anaheim, CA 92801
 Tel. : 631/348-0282 Tel. : 714/535-2727
 Fax : 631/348-0279 Fax : 714/535-5738
 Info@Mason-Ind.com Info@MasonAnaheim.com

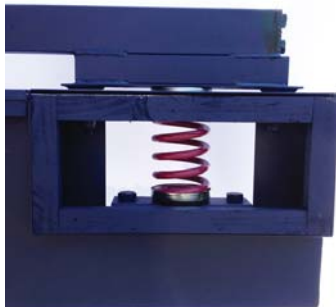
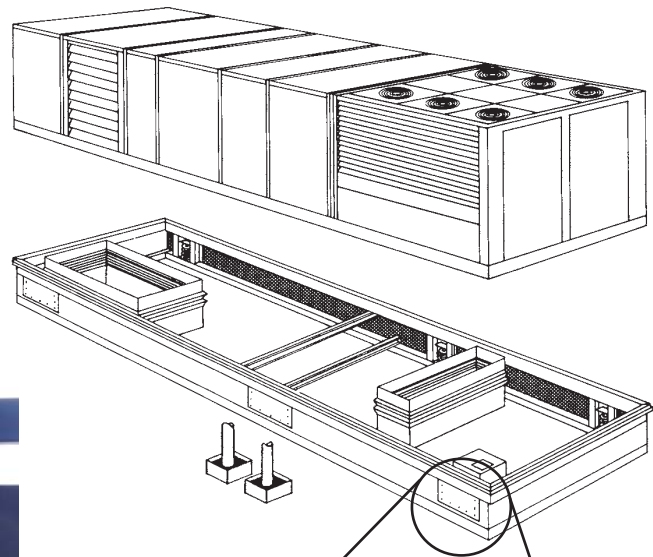
Roof Spring Curbs

RSC
 CURBS

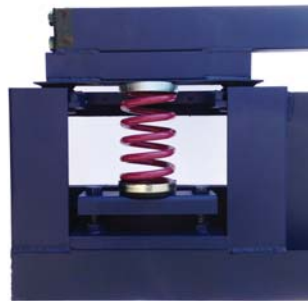
Mason Industries' Rooftop Spring Isolation Curb (RSC), provides owners and the system designer the ability to locate equipment above acoustically sensitive areas without undue concern for noise and vibration transmission. This allows the designer to shorten duct runs and design more efficient systems. The RSC's design and numerous options make even the most complex project easier to install.

Features

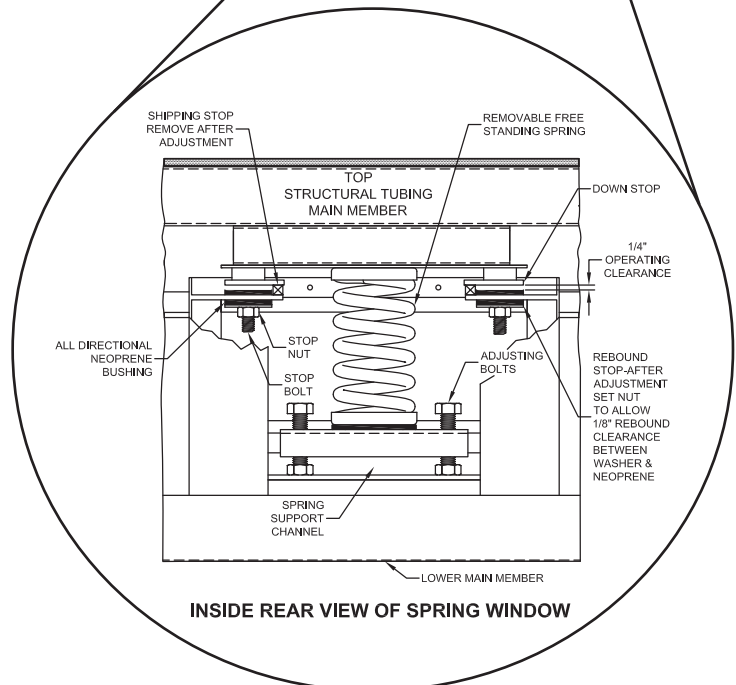
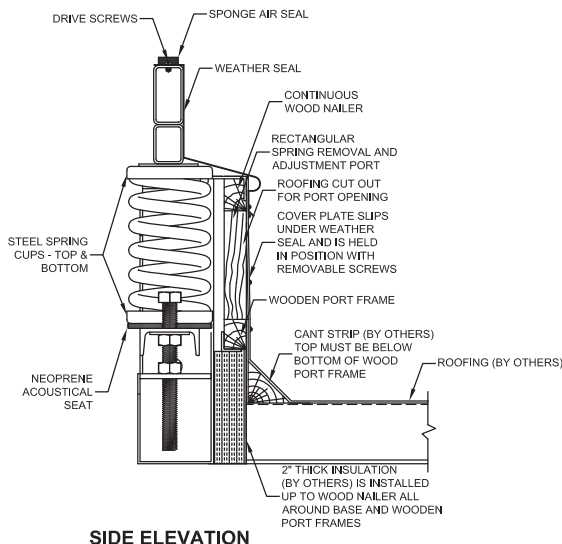
- Available with 1", 2" or 3" deflection springs
- Spring windows allow spring access without disturbing the unit
- Integrated seismic and wind load resistance
- Durable EPDM corner boots
- Each RSC is factory assembled, then disassembled for shipping, ensuring problem-free field assembly.



RSC spring window
(outside view)



RSC spring window
(inside view)



Available Options

- Integrated Pitch Corrections
- Plenum Curb
- Tall curbs up to 72"
- Access and Duct Openings
- RSC-dB Acoustical Package
- Flexible Duct Supports (FDS)
- OSHPD Rated curb for Seismic areas
- Catwalks



RSC with optional Acoustical Package installed prior to rigging unit



Special Height RSC to allow duct to pass horizontally through the curb.



RSC with Catwalk option

TYPICAL SPECIFICATION

Curb mounted rooftop equipment shall be flexibly ducted, water piping provided with double arch EPDM Expansion Joints, Freon lines with flexible metal connectors and electrical lines with flexible conduits. The units shall be supported by a spring isolation curb, the lower member of which is a rigid steel tube or specially formed steel section containing adjustable and removable steel springs that support the upper floating section. The upper frame must provide continuous support for the equipment and must remain captive when resiliently resisting wind and seismic forces. All directional neoprene snubber bushings must be a minimum of $\frac{1}{4}$ " thick. Steel springs shall rest on $\frac{1}{4}$ " neoprene acoustical pads. Minimum spring deflection shall be _____ (Engineer to insert $\frac{3}{4}$ ", $1\frac{1}{2}$ " or $2\frac{1}{2}$ "). Hardware must be cadmium or zinc electroplated and the springs similarly plated or provided with an approved rust resistant finish.

The curb's waterproofing shall consist of a continuous galvanized flexible counterflashing nailed over the lower curb's waterproofing and joined at the corners by EPDM bellows. All spring locations shall have access ports with removable waterproof covers. Lower curbs shall have provision for 2" insulation.

Curbs shall be type RSC, Duct Connector Type FDS, Double Arch Expansion Joints Type SFDEJ all as provided by Mason Industries, Inc. or approved equal.

If additional acoustical protection is needed, please add the following paragraph.

The floating member of the roof curb shall have perimeter angle and cross members to support two layers of 5/8" waterproof sheetrock laid on with staggered joints. Sheetrock must surround ducts to provide a continuous sound break. This acoustical battier shall be caulked to minimize sound transmission. Where the mechanical arrangement makes attachment to the floating member unfeasible, the barrier shall be attached at the highest practical elevation of the fixed curb with provision for 1" thick closed cell neoprene flexible seals around the ductwork. A four inch layer of 1.5 density fiberglass shall cover the entire solid roof surface under the unit. Ductwork shall be lined with sound absorbent material or coated with a damping compound such as Mason Industries MDC-10. Complete instructions shall be provided by the spring isolation curb manufacturer. Curbs shall be Mason Industries, Inc. Type RSC-dB or approved equal.