



COOK

Supplemental Seismic Installation Instructions for Rooftop Fan Attachment

Rooftop fans and ventilators must be properly attached to a roof curb to resist the forces which can be exerted on the fan during a seismic event. The correct size and quantity of fasteners must be installed on each of the four sides of the curb cap. The fasteners shall be 2" from each corner of the fan base. The distance between fasteners shall be 4" or less. The number of fasteners used to attach the fan to the curb must equal or exceed the quantity shown in the table below. The recommended fasteners for the unit are #12x2"long Hex Washer Head self-drilling screws or 1/4" hex bolt and washer with companion nut on the inside of the curb.

Fastener table		
Unit size ACRU/ACSC/VCR	Minimum number of fasteners per side to attach unit to curb	Minimum number of fasteners per side to attach curb to roof structure
60 – 100	5	3
120	5	4
135	5	4
150	6	5
165	6	5
180	8	6
195	8	6
210	8	6
225	8	6
245	8	6
270	9	8
300	9	8
330	11	9
365	11	9
402	12	10
445	14	12
490	14	12
Unit size ASP	_____	_____
90	5	3
100	7	4
120	8	4
150	8	4
180	9	4
200	12	6

The recommended fasteners to attach a Loren Cook Roof curb to the roof structure shall be nominal 3/8" diameter carbon steel threaded fastener (minimum grade 2). The Structural Engineer of Record shall be responsible for ensuring the anchorage details meet the requirements for the installation location.