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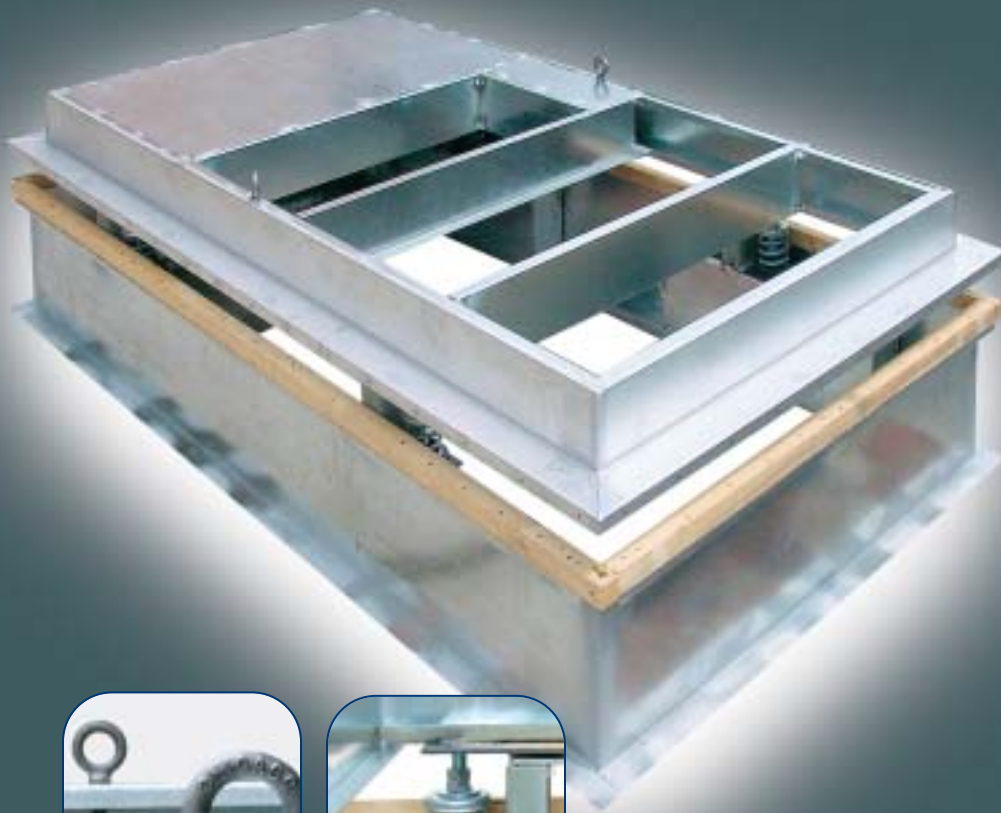
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711 Denmark Drive
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ROOF ACCESSORIES





SPECIFICATIONS

The designated contractor shall supply and install a "VIBRO-CURB II", factory fabricated combination roof curb and vibration eliminator base as manufactured by ThyCurb, Fabricating Division of ThyBar Corporation, or approved equal. Base shall be designed so that it can be reroofed without disturbing the rooftop unit. The vibration-eliminating portion of the assembly shall be constructed of structural steel and designed to match perfectly with the bottom of the rooftop unit. The vibration eliminators shall be so designed to provide a minimum of 90% isolation efficiency with 1" deflection. The roof curb shall be supplied complete with wood nailing strip and continuous 8" rubber counterflashing making the "VIBRO-CURB II" unit watertight.

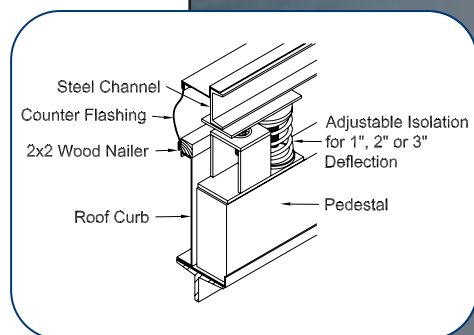
ThyCurb Vibro-Curb II

The Vibro-Curb II incorporates adjustable spring isolators and a roof curb into a single unit. The vibration-eliminating portion of the VIBRO-CURB II is constructed of structural steel and it's designed to match the bottom of the rooftop unit. Typical fabrication time is only 7 to 14 days.

The roof top unit can be mounted immediately after the curb is installed and roofing can be completed at a later date without disturbing the unit. This reduces the additional crane or helicopter expenses.

New, flexible 8" counterflashing provides a weather seal and easy access to the spring isolators for adjustment or replacement. This eliminates having to roof around spring access ports. The isolators are custom sized and spaced to accommodate the rooftop's weight and center of gravity for a minimum of 90% isolation efficiency.

VIBRO-CURB II features a 2" x 2" wood nailer for attaching roofing felts. Standard height is 21" with options for different heights and the VIBRO-CURB II can be fabricated to match specific roof pitch. The unit may be factory assembled and shipped in one piece... or shipped in a limited number of sub-assemblies.



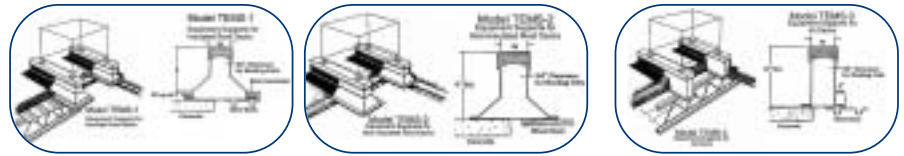
Certified Load Bearing Data

18 Gauge						
	TEMS-1		TEMS-2		TEMS-3	
Nailer Height						
Area IN ²	1.68	2.18	1.39	1.96	1.45	1.95
S IN ³	2.64	3.1	1.46	2.46	3.09	3.81
I IN ⁴	17.8	10.23	6.37	23.22	21.7	42.37
Load/Ft.	730	850	400	580	8500	1100
Center Load*	1900	2000	1400	1800	2200	2600
End Reaction	2300	3000	2200	3500	3000	3200
Intermediate Reaction	1900	2000	1500	1900	2200	2400
14 Gauge						
Area IN ²	2.52	3.27	2.16	3.06	2.17	2.92
S IN ³	3.95	7.29	2.27	5.17	4.63	6.43
I IN ⁴	26.7	61.9	9.9	40.62	32.6	65.5
Load/Ft.	1100	1500	6300	1430	1280	1780
Center Load*	4300	4900	2300	4400	3700	4400
End Reaction	4500	6000	4300	6000	4200	6000
Intermediate Reaction	4000	4500	2500	3600	4300	4400

* 8' Span

Data was obtained from standard production samples and contains a safety factor of 2. Thybar Corporation can certify load conditions not covered above upon request.

All concentrated loads are based on a minimum bearing surface width of 4" by the full width of the supports. A minimum spacing of two feet will be required between combination loads, which exceed the recommended maximum values. No load should be applied on cantilever section in excess of 6" in length.



ThyCurb Equipment Mounting Supports are factory fabricated sheet steel structural members designed for placement on all types of roof systems and at the same time accommodates every variety of roof mounted heating, ventilating and air conditioning equipment.

These units have a high load-bearing capacity attained by a system of internal bulkheads welded into position at specific intervals along the length of the rails.

A continuous wood nailer covered by a removable counterflashing provides for an effective method of attaching roofing felts and assuring a watertight installation.

Equipment Supports are fabricated in three basic styles designated for the following application:

TEMS-1 – For Insulated Roof Decks has fully mitered 3" cant and variable step to match deck insulation thickness. Standard step dimension 1/2" minimum to 2" maximum. Step dimensions over 2" available is an option.

TEMS-2 – For non-insulated roof decks has fully mitered 3" cant.

TEMS-3 – For all roof decks.

STANDARD CONSTRUCTION

1. Welded 18 gauge galvanized steel shell, base plate and counterflashing.
2. Factory installed wood nailer. (2 x 4 or 2 x 6 standard)
3. Fully mitered end sections on Models TEMS-1 and TEMS-2.
4. Internal bulkhead reinforcement.

OPTIONAL FEATURES

1. Additional height.
2. Heavier gauges of metal.
3. Construction to fit roof pitches.
4. Wood nailers in widths up to 2" x 12".
5. Chemically treated wood nailers.
6. Overhanging wood nailers.

ThyCurb Equipment Mounting Supports



ThyCurb Seismic Roof Curbs

are designed to meet Regional Seismic Requirements.

All curbs are manufactured to mate with the specified Rooftop equipment.

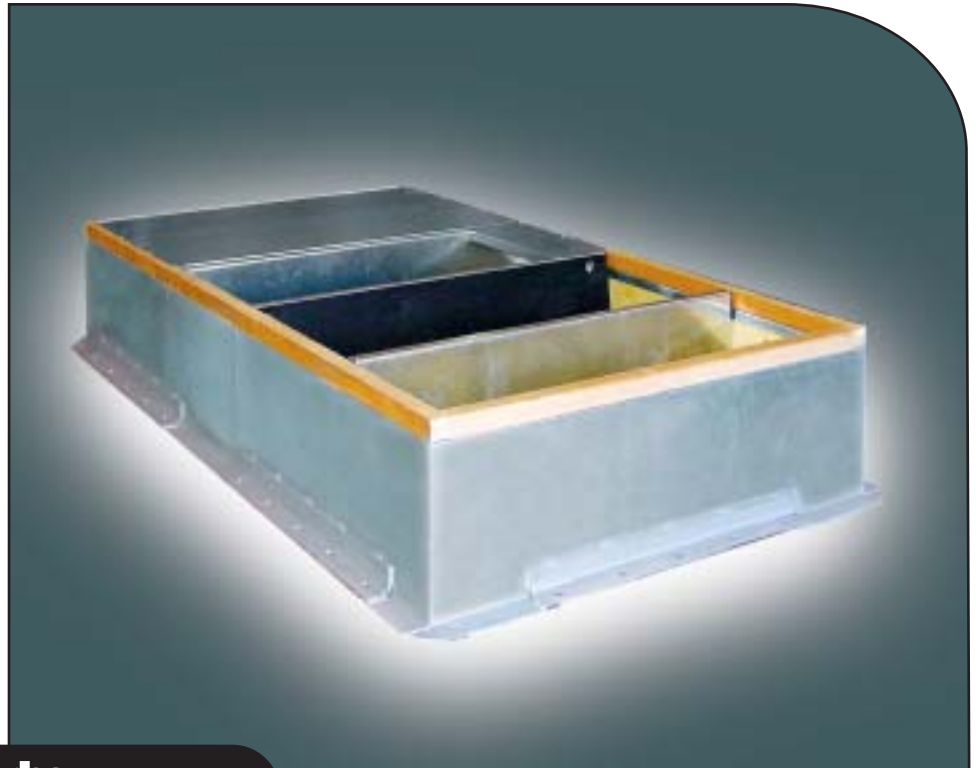
OPTIONAL FEATURES

1. Built to roof pitch.
2. Pressure treated woodnailer.
3. Hold down restraints.

SPECIFICATIONS

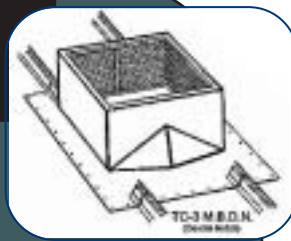
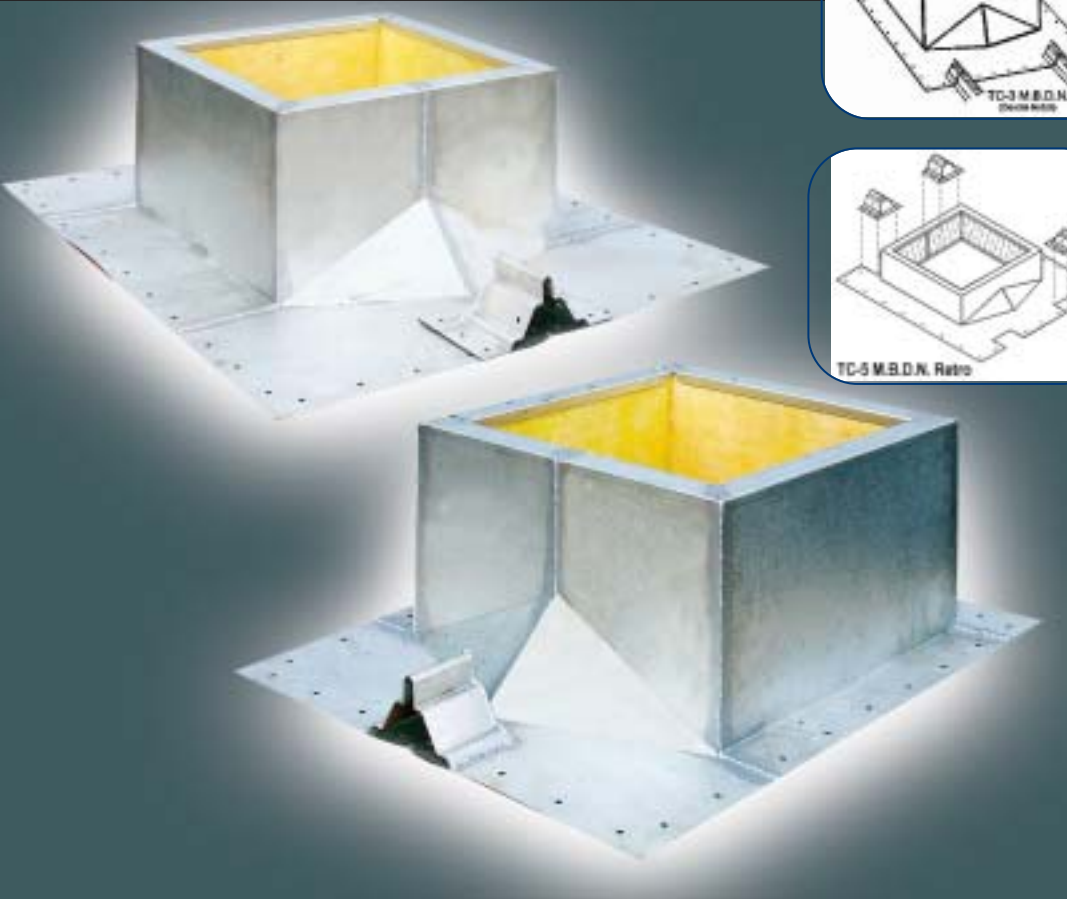
Furnish and install prefabricated Seismic roof curbs as required to meet Seismic requirements. Base shall be constructed complete with all welded corners and wood nailers.

Seismic curbs are manufactured by ThyCurb Fabricating Division of ThyBar Corporation or approved equal.



ThyCurb Seismic Roof Curbs

ThyCurb Insulated curbs for Pre-engineered Metal Buildings



SPECIFICATIONS

Roof curbs shall be, prefabricated of PRIME MILL GALVALUME.

AZ-55-ASTM-792 steel, minimum 18 gauge. Construction shall conform to commercial quality specifications, with fully mitered and welded corners, and shall include a formed-in integral water diverter. All welds shall be continuous, and shall be coated with one coat of aluminum colored urethane sealer. Curbs shall be internally reinforced, factory insulated, with 1 1/2" thick 3# density fiberglass insulation. Height shall be a minimum of 10" above the plane of the roof panel or as detailed. Top of all curbs for roof top equipment shall be level, with pitch built into curbs. Curbs for roof hatches, skylights and smoke hatches shall be constant height curbs following pitch of the roof unless specified otherwise. All curb flanges shall be prepunched at 3" centers with 1/4" holes, 1" in form outside edge of flanges.

Roof curbs for Standing Seam roof panels with trapezoid seams and 1/2" rib screw down roof panels shall have separate cell caps for field location. Cell caps shall be of the same material as curbs and shall have flanges prepunched.

Curbs shall be furnished with "ERECPAKS" which include: 2 1/2" triple bead tape mastic, urethane caulk, self-drill screws for flanges, self-tap screws for the sides or tops of the cell caps, and 3/4" tape mastic for the base flanges of the cell caps.