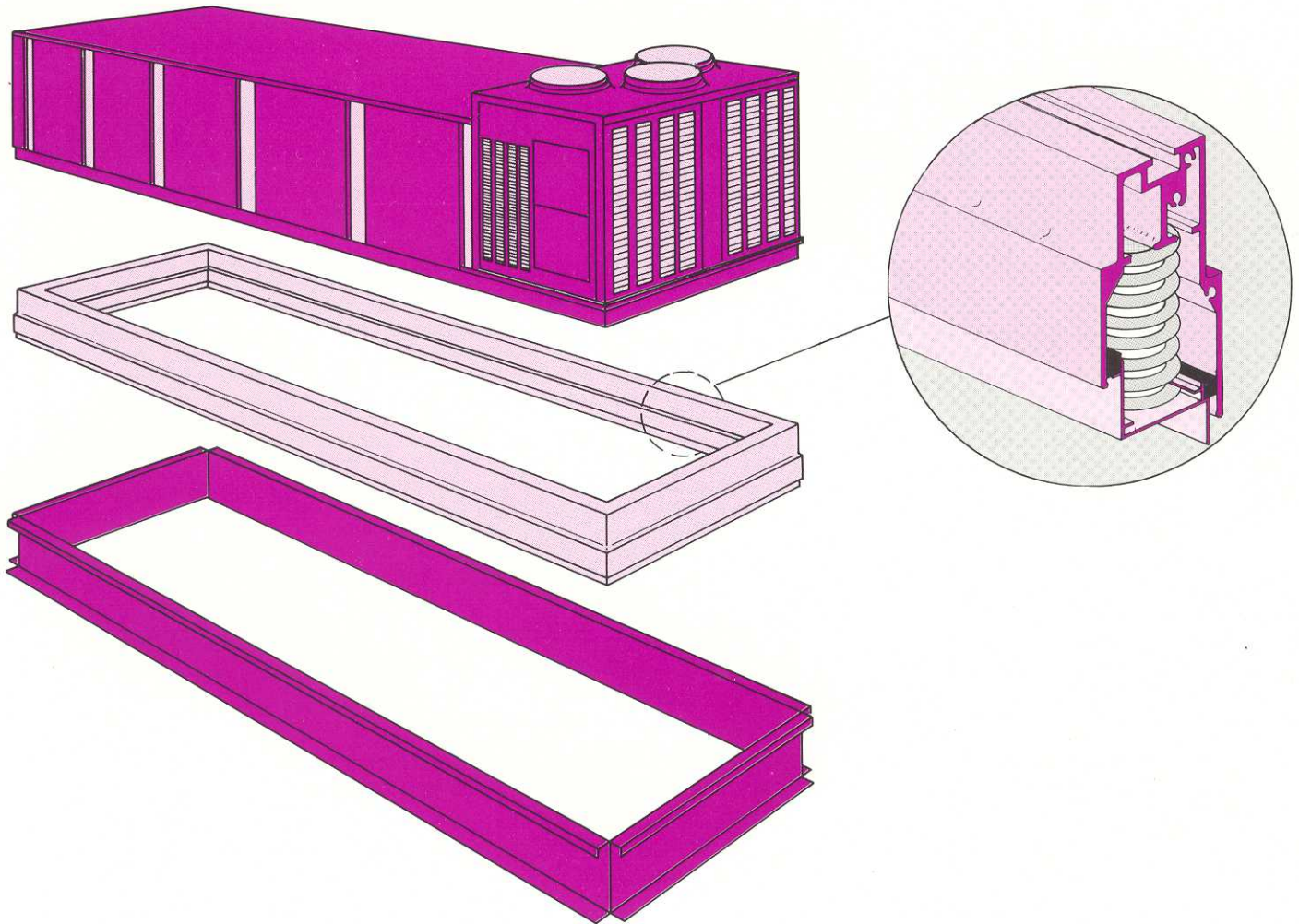


Vibration Eliminator Co., Inc.

MODEL "AR" ROOF CURB ISOLATION BASE

"AR" Aluminum Spring Bases are an excellent choice to isolate noise and vibration transmitted from curb mounted rooftop equipment into occupied spaces.

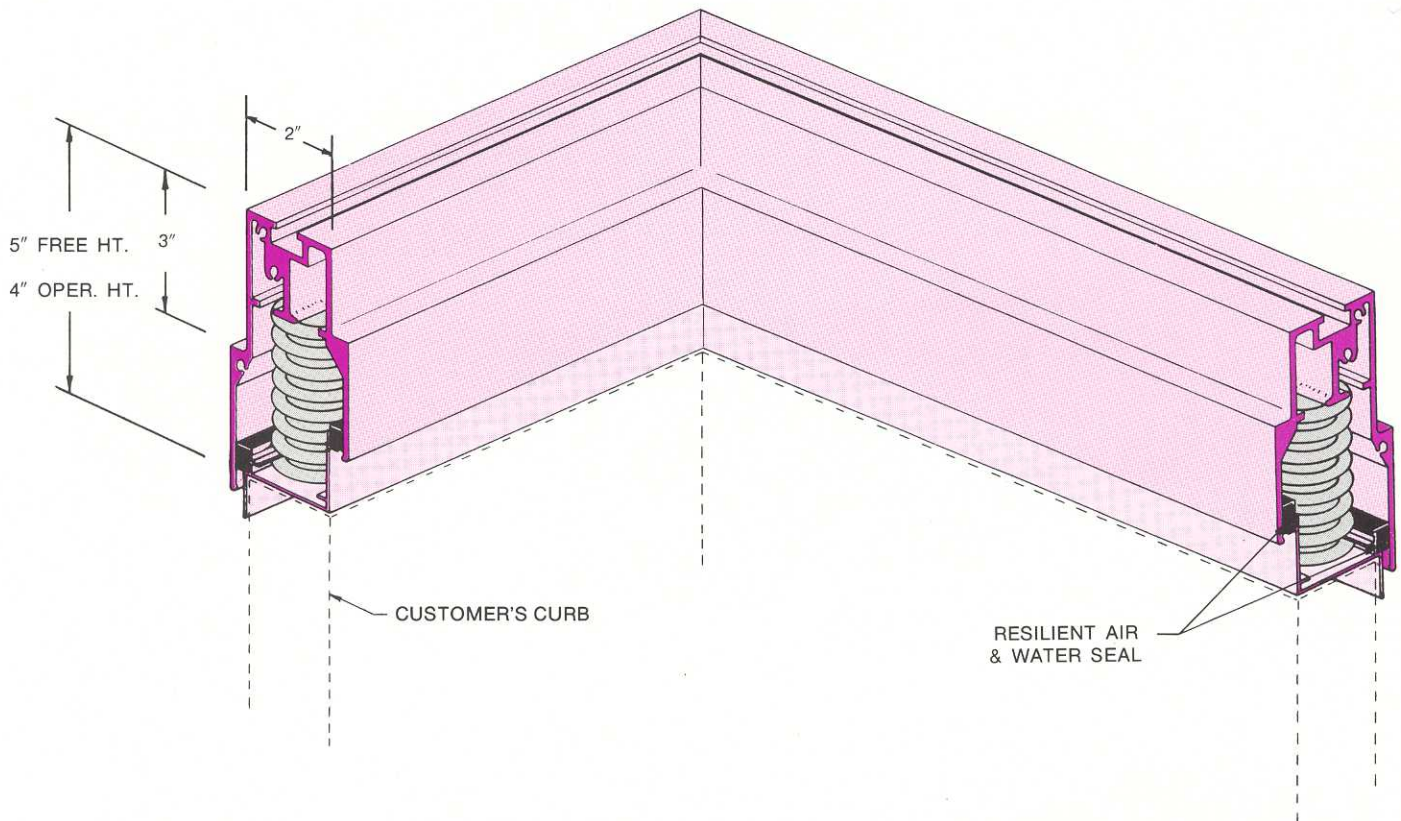


Each base is custom designed to fit between standard roof curb and equipment, providing continuous support and an air and watertight seal.

The "AR" base combines extruded aluminum construction with 1 inch deflection zinc plated springs, totally enclosed to provide weathertight and corrosive protection. Springs are free standing, laterally stable and computer selected to insure uniform loading and deflection for the entire system.

To simplify installation, "AR" bases are manufactured and shipped in four separate rail sections. Once at the jobsite they are designed to fit together on the conventional roof curb forming a complete frame.

SUGGESTED SPECIFICATIONS: (CURB MOUNTED ROOFTOP EQUIPMENT)



Curb mounted rooftop equipment shall be isolated from the building structure by Vibration Eliminator Co. "AR" Aluminum Bases incorporating one inch static deflection springs.

The aluminum base shall provide continuous equipment support and weathertight protection while built to fit on top of the conventional roof curb supplied by others and to match the underside of the equipment.

Each base shall consist of upper and lower extruded aluminum members constructed to totally enclose and resiliently seal the springs from the corrosive effect of outside and conditioned air. Dual closed cell continuous neoprene seals shall be utilized to seal the assembly, prevent metal to metal contact between upper and lower members and serve as resilient wind restraints.

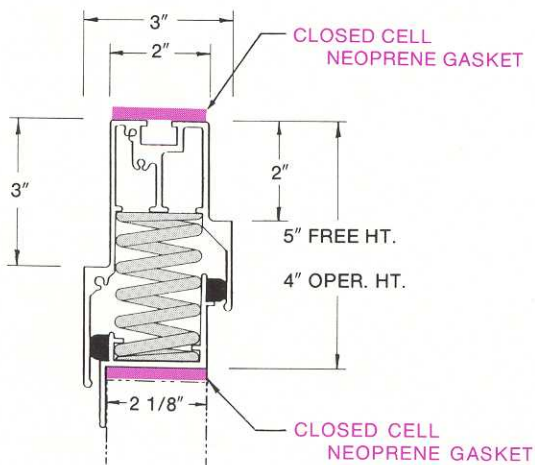
All springs shall be free standing and laterally stable, meeting a minimum of 0.8 ratio of spring diameter to compressed height and providing additional travel to solid of 50% of rated deflections. Springs shall be electro-zinc plated to prevent rust and factory spaced to insure uniform deflection under the imposed load.

The isolation base shall consist of four separate rail sections having mitered pre-drilled corners. Utilizing self-tapping screws, bases shall be assembled together by others at jobsite forming a rectangular frame.

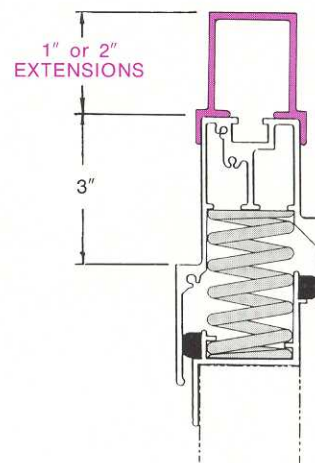
All joints are to be sealed with a bead of resilient silicone caulking. Caulking and all connecting hardware shall be supplied by the isolation manufacturer.

All supply and return air ducts shall be flexibly connected to prevent vibration transmission to the building structure. In addition, flexible connectors shall be installed on all water, gas and electrical conduits.

OPTIONAL FEATURES



(FIG. 1)

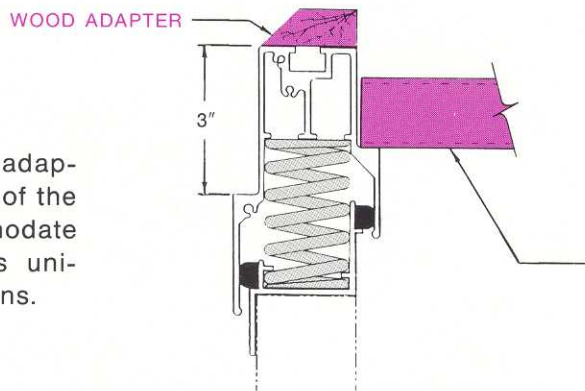


(FIG. 2)

The standard "AR" Base can be furnished with a continuous closed cell neoprene gasket on either the top, bottom or both surfaces.

One or Two inch extruded aluminum extensions are furnished when the equipment's base rail exceeds three inches.

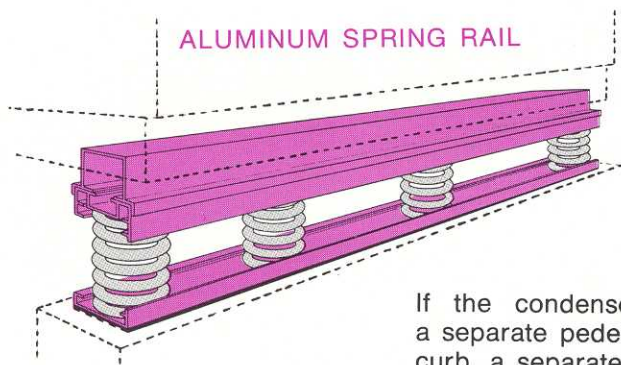
Customized treated wood adapters are furnished as part of the "AR" Base to accommodate equipment manufacturer's unique base rail configurations.



(FIG. 3)

Cross members are supplied upon request, to support and seal flexibly connected duct.

ISOLATION FOR CONDENSER PEDESTAL



(FIG. 4)

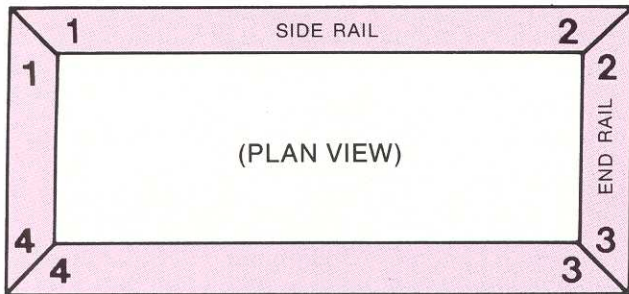


(FIG. 5)

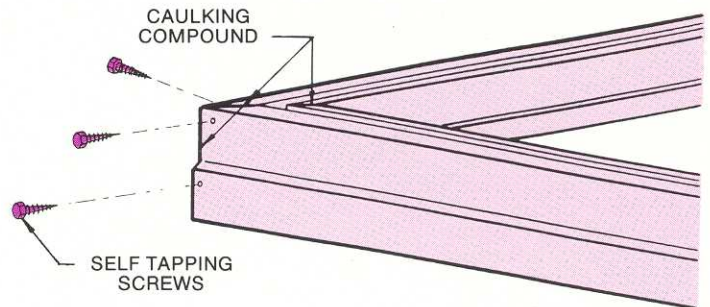
If the condenser section is supported by a separate pedestal beyond the standard roof curb, a separate aluminum spring rail (Fig. 4) or two "OSKLAR3" spring isolators (Fig. 5) are provided to support this overhung section.

-- INSTALLATION INSTRUCTIONS --

The "AR" Aluminum Base has been shipped in sections requiring jobsite assembly by the contractor. The isolation base consists of four separate rail sections designed to fit together on the roof curb, forming a rectangular frame. Each rail includes mitered, pre-drilled, marked corners and is composed of a top and bottom assembly with springs in between. These two sections are not to be separated.

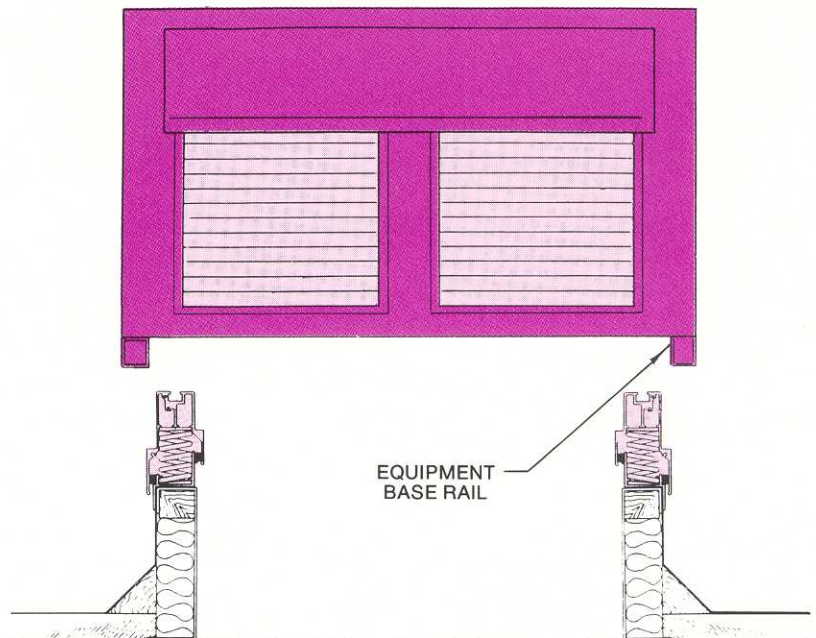


(FIG. 6)



(FIG. 7)

- 1) Erect standard roof curb at designated roof location and install weatherproof flashings.
- 2) Place the two end rail assemblies on top of the roof curb. Arrange the rails so that the supply, return or condenser tags marked on the rails match the proper roof openings or equipment configurations. (Fig. 6)
- 3) Once the end rails are properly set, install the side rail assemblies on top of the curb, matching the marked corners 1, 2, 3, 4. (Fig. 6)
- 4) Partially fasten each of the four mitered corners using Vibration Eliminator Co. supplied self tapping screws leaving a 1/16 inch opening for caulking. (Fig. 7)
- 5) Caulk joints with silicone caulking compound supplied by Vibration Eliminator Co. Tighten all screws creating a weathertight seal. (Fig. 7)
- 6) The "AR" Base is now ready. Install the rooftop unit on top of the assembled isolation base. (Fig. 8)



(FIG. 8)

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