

## NON-MOMENT GENERATING CONNECTIONS

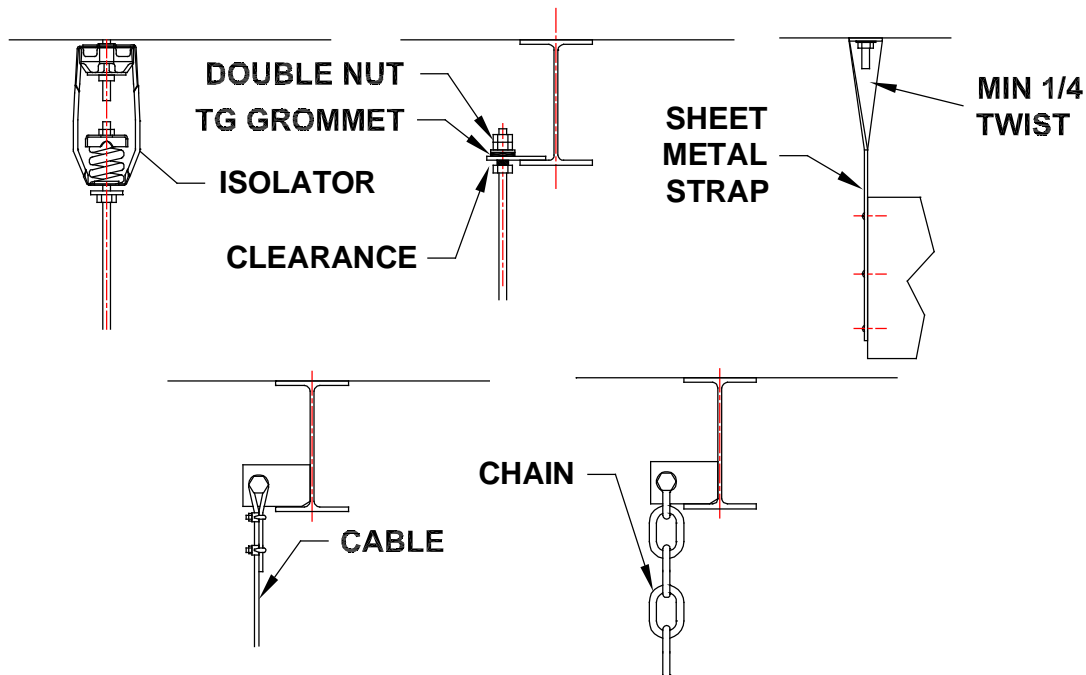
The IBC and 97 UBC codes allow the omission of seismic restraints for most piping, conduit and ductwork runs without regard to size but that are located within 12" of the structure. This figure is 6" for fire sprinkler piping. In order to qualify for this, the following parameters must be met:

- 1) The length of **all** supports on the run measuring from the top anchorage point to the connection point to the trapeze bar or the top of a singly supported pipe or conduit run must not exceed 12" (6" for fire piping).
- 2) Unrestrained free travel of the supported system must be such that over the course of its movement, contact is not made with any other system, component or structural element that can result in damage to either the supported system or the object it hit.
- 3) The top connection to the structure must include a Non-Moment generating connection to prevent damage to the hanger rod or support strap.

A Non-Moment generating connection is any device that would allow a free flexing action of the hanger rod or support strap for an unlimited number of cycles without its being weakened. This motion must be permitted in any direction.

Shown below are typical examples of acceptable Non-Moment generating connections. Any other device that allows the same freedom of motion is equally acceptable.

A hanger rod rigidly embedded into the underside of a concrete structural slab is not.



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