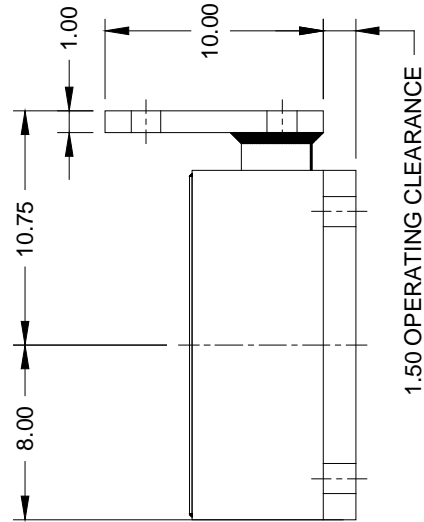


SPECIFICATIONS:

- 1.) 3-AXIS RESTRAINT WITH REPLACEABLE NEOPRENE SNUBBING ELEMENTS.
- 2.) HOT DIPPED GALVANIZED.
- 3.) HOUSINGS MAY BE USED FOR BLOCKING DURING EQUIPMENT ERECTION.
- 4.) CAN BE USED WITH OR WITHOUT SPRING COIL(S).



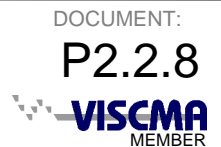
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INTRUCTIONS FOR CONSTRUCTION OF A CAPACITY ENVELOPE:
 1.) TO GENERATE THE SEISMIC RESTRAINT CAPACITY ENVELOPE, THE HIGHEST ISOLATOR LOAD FOR THE PIECE OF EQUIPMENT UNDER REVIEW IS USED AS A STARTING POINT.
 2.) DETERMINE WHETHER THE ATTACHMENT IS TO BE TO STEEL, SELECT FIGURE 2, OR CONCRETE, SELECT FIGURE 3.
 3.) THE VERTICAL RESTRAINT CAPACITY @ THE LOAD DETERMINED IN STEP 1 IS READ FROM CURVE #1 (FIG. 2) OR CURVE #4 (FIG. 3) AND PLOTTED ON THE VERTICAL AXIS OF FIGURE 1.
 4.) THE HORIZONTAL RESTRAINT CAPACITY @ THE LOAD DETERMINED IN STEP 1 IS READ FROM CURVE #3 (FIG. 2) OR CURVE #6 (FIG. 3) AND PLOTTED ON THE HORIZONTAL AXIS OF FIGURE 1.
 5.) THE COMBINED RESTRAINT CAPACITY IS THE POINT WHERE VERTICAL & HORIZONTAL CAPACITIES ARE EQUAL. THE COMBINED RESTRAINT CAPACITY @ THE LOAD DETERMINED IN STEP 1 IS READ FROM CURVE #2 (FIG. 2) OR CURVE #5 (FIG. 3). DRAW A HORIZONTAL LINE FROM THIS VALUE ON THE VERTICAL AXIS, AND A VERTICAL LINE FROM THIS VALUE ON THE HORIZONTAL AXIS. THE INTERSECTION POINT IS THE COMBINED CAPACITY POINT FOR THE GIVEN APPLICATION.
 6.) CONNECT THE VERTICAL RESTRAINT CAPACITY, COMBINED RESTRAINT CAPACITY, AND THE HORIZONTAL RESTRAINT CAPACITY POINTS THAT YOU PLOTTED FOR YOUR APPLICATION. THIS WILL PRODUCE THE RESTRAINT CAPACITY ENVELOPE FOR YOUR APPLICATION.
 7.) FOR THE RESTRAINT TO BE SUITABLE FOR THE APPLICATION, ALL WORST CASE SEISMIC LOAD COMBINATIONS MUST FALL WITHIN THE RESTRAINT ENVELOPE.

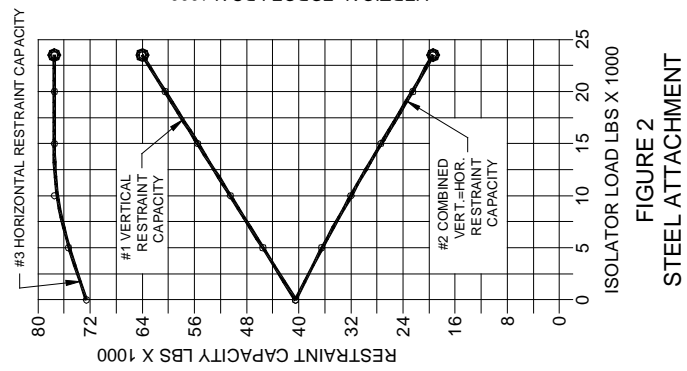


FIGURE 2
STEEL ATTACHMENT

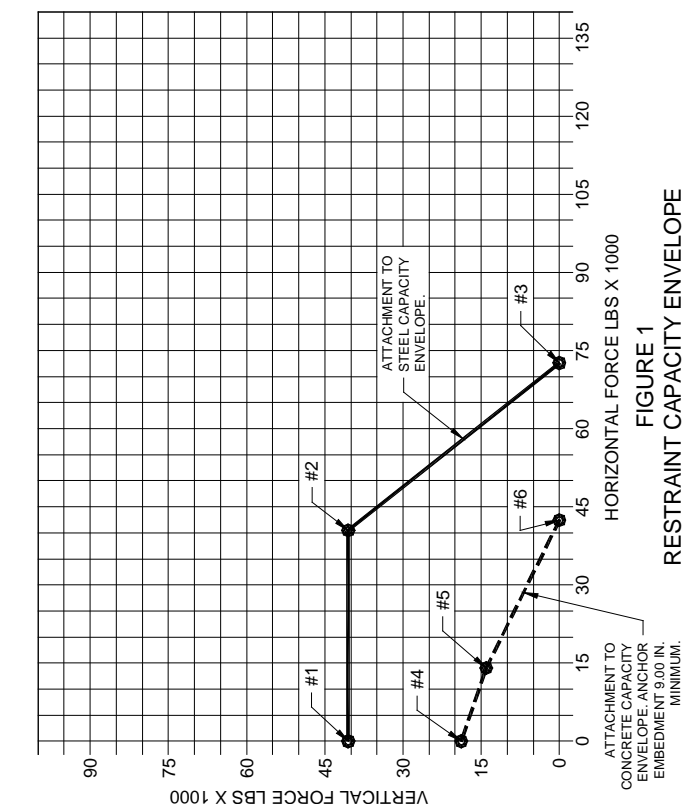


FIGURE 1
RESTRAINT CAPACITY ENVELOPE

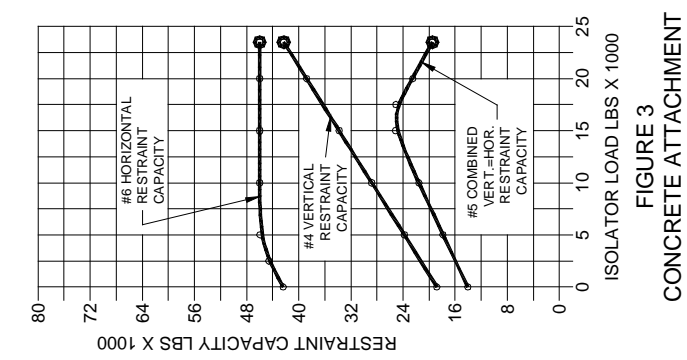


FIGURE 3
CONCRETE ATTACHMENT

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