



Figure 21: Accelerometer Locations

Accelerometer Locations

- Accelerometer 1 is located on the vibration table mounting plate because it was used to control and calibrate the vibration table. The data taken from this accelerometer was purely for calibration and not compared to the data at any of the other locations. This is because the test cage used to mount the MASM to the shake table is large, causing the vibration to be altered slightly from the bottom to the top or simulated ceiling.
- Accelerometer 2 is used to measure the vibration at the mock ceiling of the test cage. This data is considered the input of the system.
- Accelerometer 3 is located near the center of the micro adjustable hardware to prove that within the design, there is not have a vibration problem. (this data will be compared to accelerometer 4 to check for any similarities)
- Accelerometer 4 is placed at the center point of the mock projector. The data taken at this point will be compared to the data at accelerometer 2 to show any damping of the system that may occur during the test.

- Accelerometer 5 is located at the outer corner of the SLB bracket.