

# ATM FLY-WARE®

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## Special Points of Interest:

- Seismic Codes
- Questions To Ask Before Rigging Anything
- Standards Watch

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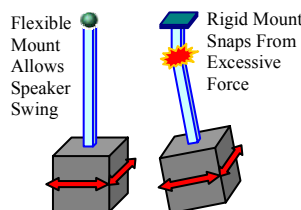


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## Fly Paper

### QUAKES

Section 1600 of the Uniform Building Code is the most used, and most misinterpreted, code of many building departments in seismically active areas of the USA. The easiest way to interpret the code is that any suspended load must be rigidly attached to the structure. However rigidly attaching a loudspeaker can create a very large and very heavy pendulum that is more dangerous than letting the loudspeaker hang freely.



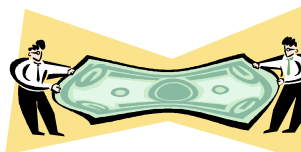
Whether or not your project is subject to these codes, the argument remains the same. A concentrated load on the end of an arm will create tremendous stress at the fulcrum point unless the load is secured from movement in all directions. Often times it is better to allow the load to swing.

### Standards Watch

BSR E1.8 Entertainment Technology-Loudspeaker Enclosures Intended for Overhead Suspension-Classification, Manufacture and Structural Testing; is out for final public review. Please download the draft standard and comment on it at [www.esta.org](http://www.esta.org)

### BEFORE YOU GET BURNED!

Countless times I have heard the same story from a contractor that has found themselves in a difficult situation because scope of work for the suspension of the loudspeaker system or large format video system was not clearly defined in the bid proposal.



The end result is usually the same; the contractor loses income due to the omission of the hardware, and the owner spends more money due

to the oversight in the bid specification, and neither party gains any respect for the other. This is a disappointing situation, however it can easily be avoided if the contractor goes in knowing what questions to ask and how to provide solutions to any challenges that may face the owner.



### 5 Questions Before Submitting The Final Numbers:

- Who is responsible for suspending the components from the building structure?
- Who is responsible for any engineering and/or necessary modification to the building structure to make it strong enough to suspend the components?
- Because rigging requires specialized equipment and staff, who will be responsible for cost overages caused by job delays or required overtime to meet deadlines strained by job delays?
- Who is responsible for providing equipment such as scaffold, lifts, cranes, etc for the duration of the rigging installation?
- Who is responsible for expedites and changes caused by unforeseen structural circumstances that may be discovered during installation?

### Sound & Video Rigging Systems