

EARTHQUAKE RESEARCH MODEL

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ABSTRACT

Have u ever wondered if the apartment you are staying in or the sky rise building you are working in is safe from an earthquake? Or even the home you are sharing with your family is safe from a sudden earthquake? This question might not have come across some of us until the December 26 incident which shocked the work. An earthquake is a natural phenomenon where the 2 plates of the earth move from side to side until they finally rupture because of stress. They can be small or big but either way they can cause major damages to man structures especially buildings with more than 5 stories high. Bottom line, we don't know if we are constructing building which can actually withstand an earthquake.

Well, we might have an answer for that. Just like the wind tunnel tester Japanese use to test the effects of a hurricane on a building before constructing it, we have created a simple model to test if a building structure could with stand and earthquake. All you need to do is to place a building model, which is similar to the building you want to construct, onto the Earthquake Research Model and run a simple experiment. How do you run the experiment? Simple, after placing the building model, switch on the power to the research model and adjust the speed with the knob from 0 to 9 and watch if the building could actually withstand the different levels of an earthquake. The data of how long the research model was producing the different levels of the earthquake will e stored in a computer program and then finally displayed.

Did we miss out that there is also a digital Ritcher scale display on the computer monitor and also an electronic seismograph which will measure the different levels of the earthquake measured by the research model. Just by these simple steps architects, civil engineers and you also would know of the house or office you work in or live in or even the building you are going to construct is safe from an earthquake. Just these few steps could safe many people from falling into the hands of Mother Nature most devastating disaster. Consider it!!