



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Trinity R. Barrett	Project Number J0302
Project Title Build Destroy Build: Better Homes for Earthquake Country	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The goal of my project is to find out if the shape of a house is relevant to how much damage a tectonic earthquake leaves on the house after the earthquake. I believed that the A-frames would have the least amount of damage.</p> <p>Methods/Materials The goal of my project is to find out if the shape of a house is relevant to how much damage a tectonic earthquake leaves on the house after the earthquake. I believed that the A-frames would have the least amount of damage.</p> <p>Results If you combine the results from both the A-frames, there are twenty damaged points, while for the single story flats, there were only sixteen points of damage.</p> <p>Conclusions/Discussion My results conclude that a single story flat would be more earthquake resistant than an A-frame. However, more tests following a more uniform state regulation code may vary my results.</p>	
Summary Statement My project is about testing different types of houses against tectonic earthquakes to find out which one is the most earthquake resistant.	
Help Received Mother helped edit and type report, cut materials after I measured, helped design #shaker-box#, led me in the direction of information and Dale Dingman built the #shaker-box#, according to my design, advised on roof pitch and stud spacing.	