

Resist This: Engineering Design

Design Criteria

- Your model building must remain standing during the shaking of a small earthquake.
- Your model must remain standing for at least 10 seconds after the shaking of a large earthquake to give someone time to escape after the shaking stops.
- Your model must use at least one earthquake-resistant structure or device you have learned about.
- Your model building should have at least two levels.
- Each level must have a floor.
- Your model should be at least 15 cm tall.
- Your model must have a roof.

Design Constraints

- You can use only the materials listed in the Student Activity Guide.
- Your model must fit between the two rubber bands on the simulator.
- Your building must be attached to a piece of chipboard.