
Earthquake-resistant cooperation using foldable containers in mountainous areas

How to design an earthquake resistant house?

The selection of appropriate and environmentally friendly materials and earthquake resistant building designs are the main keys of the design. Using an experimental method, a folding method was designed to allow the house to be folded into a box that can fit into a truck so that it can easily be mobilized to the disaster area.

Why do we need a folding container house for post-disaster reconstruction?

Limited Funding- Post-disaster reconstruction requires cost-effective housing solutions. Harsh Environmental Conditions - Disaster areas lack basic infrastructure, requiring housing that is safe and durable. Faced with these challenges, HIG MODULAR's Folding Container House emerges as the ideal solution.

What is Turkey earthquake resettlement?

Turkey Earthquake Resettlement - Provided mobile temporary housing for disaster victims. Large-Scale Worker Camps - Efficiently accommodating large groups in emergency situations.

What is the maximum earthquake load if shear wall is released?

The portion of frame is less than 25 % as required in Indonesian standard there are 11.64% in X direction and 12.12 % in Y direction, so the results are compared with the condition if shear wall is released, hence, only boundary elements are placed and taken the maximum value by giving 25 % earthquake load.

Folding Container House: Assisting Myanmar in Post-Earthquake Resettlement and Reconstruction -- HIG MODULAR Provides an Efficient Housing Solution for Disaster ...

Beyond immediate disaster relief, foldable container houses offer long-term benefits by serving as transitional housing and supporting local economic development. For ...

Foldable container houses are built to outlast disasters, not just survive them. Their galvanized steel frames laugh off 8-magnitude earthquakes and 17-category typhoons--forces ...

This project can continue to be used in the next project, and it can be folded 500 times. 6. Fire prevention and earthquake resistance: the fire protection level of the folding ...

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Especially in the earthquakes in Turkey and Syria, a large number of folding container houses were exported to the disaster areas and played a major role. There are toilets and bathrooms in the foldable ...

Limitations It's important to note that while folding container houses can be made earthquake -

resistant, there are limitations. No structure can be completely immune to the ...

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