

Earthquake-resistant cooperation using foldable containers in mountainous areas





Overview

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.



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[Folding Container House: The Earthquake-Proof Shelter 2025](#)

Discover why a folding container house is the ultimate earthquake shelter. Learn about its durable, seismic-resistant design, rapid 10-minute installation, and versatile uses in disaster ...



Grande's Folding Container House: A Swift and Sustainable ...

Feb 18, 2025 · Combining portability, durability, and cost-efficiency, Grande's folding container houses are redefining temporary shelter in crisis zones. On January 7, 2025, a 6.8-magnitude ...

[How Foldable Container Houses Save Lives in Emergencies](#)

Aug 7, 2025 · 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 ...



[Folding Container House: Assisting Myanmar ...](#)

Mar 31, 2025 · Folding Container House: Assisting Myanmar in Post-Earthquake Resettlement and Reconstruction -- HIG MODULAR ...

[From Disaster to Home: How Foldable Container Houses ...](#)

Sep 22, 2025 · Beyond immediate disaster relief, foldable container houses offer long-term benefits by serving as transitional housing and supporting local economic development. For ...



The export of folding container houses plays an important ...

Feb 28, 2023 · 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 ...



[Designing folded modular houses as refugee shelters at ...](#)

Jul 1, 2024 · Using an experimental method, a folding method was designed to allows the house to be folded into a box that can fit into a truck so that it can easily mobilized to the disaster area.

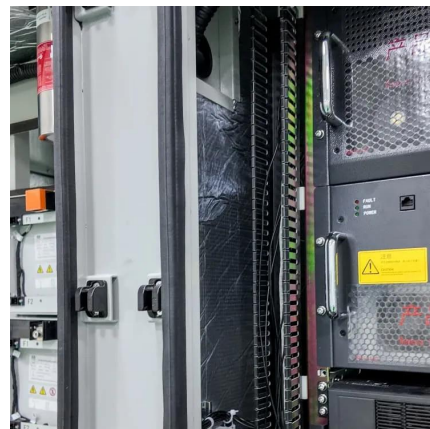


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[Folding container house exit, earthquake rescue function](#)

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[Are folding container houses earthquake](#)

4 days ago · 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 ...



Folding Container House: Assisting Myanmar in Post-Earthquake

Mar 31, 2025 · Folding Container House: Assisting Myanmar in Post-Earthquake Resettlement and Reconstruction -- HIG MODULAR Provides an Efficient Housing Solution for Disaster ...



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