

Maui Paper Log House



Year: 2023

Location: United States

Program: Residential

Status: Completed

Type: Temporary

Structure: Paper Tube Structure

Disaster Relief Project for 2023 Hawaii-Maui Wildfires

Dec.4th-Dec.7th 2023

Collaborators:

Hawaii Off-Grid

University of Hawai'i Maui College

School of Architecture University of Hawai'i at Mānoa

Shibaura Institute of Technology

Lahaina Jodo Mission

Paia Rinzai Zen Mission

As a response to the 2023 Hawaii Maui Wildfires, Voluntary Architects' Network (VAN) + Shigeru Ban Architects with the collaboration of University of Hawai'i, Maui College and School of Architecture at Mānoa, built a prototype for temporary housing in Maui.

The housing foundation is composed of beer crates filled with sand bags, and wooden panels are used to build the walls between the paper tube columns. This enables construction to be carried out in a short

period of time. The roof is made of paper tube frames and plywood decking, and large holes are cut out on the plywood to ensure safety during construction, allowing people to work from the hole instead of climbing on top of the roof.