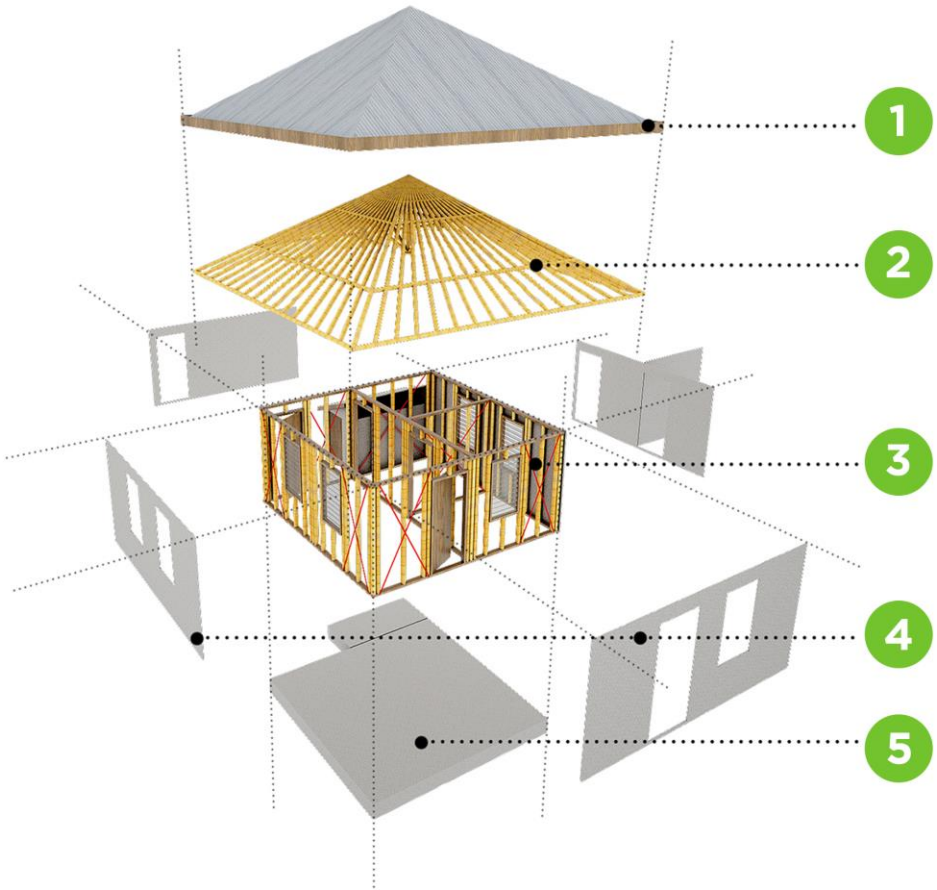




Model House



1

Roof

The entire roofing structure, which is covered by GI sheets, is designed to allow air circulation for thermal comfort. The structure also prevents water from entering the house

2

Roof Framing

The frame of the roof uses treated bamboo and is reinforced by quality nuts and bolts. The frames include connections and reinforcements that are engineered depending on wind zone

3

Bamboo Shear Walls

Connections between bamboo poles are engineered to withstand the impact of earthquakes and typhoons. Bamboo poles also provide thermal comfort since the material doesn't conduct heat. Material does not store heat and cools down quickly in the night for a comfortable sleep.

4

Metallic Mesh with Cement Mortar Finish

The bamboo frames are fitted with a steel wire mesh, and are then covered with cement to reinforce the bamboo. This method protects the structure from long-term exposure to harmful natural elements.

5

Concrete Flooring and Foundation

Foundations are made with solid concrete designed to elevate the house, thus preventing flood water from seeping in. Use of barrier prevents soil moisture from damaging the panels.

