

Permanent Housing in Sonaguera, Colón, Honduras

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Background

Sonaguera is a rural municipality in Colón, Honduras. Unsustainable housing is a prominent issue that has resulted from poverty, overcrowding, and climate issues including wind, hurricanes, and earthquakes.



Our Goal

Our goal is to improve current building methods in order to create a sustainable and affordable housing solution that is conducive to the lifestyle of residents of rural Honduras.

Our Design



Enclosed composting toilet improves upon current bathroom situation.



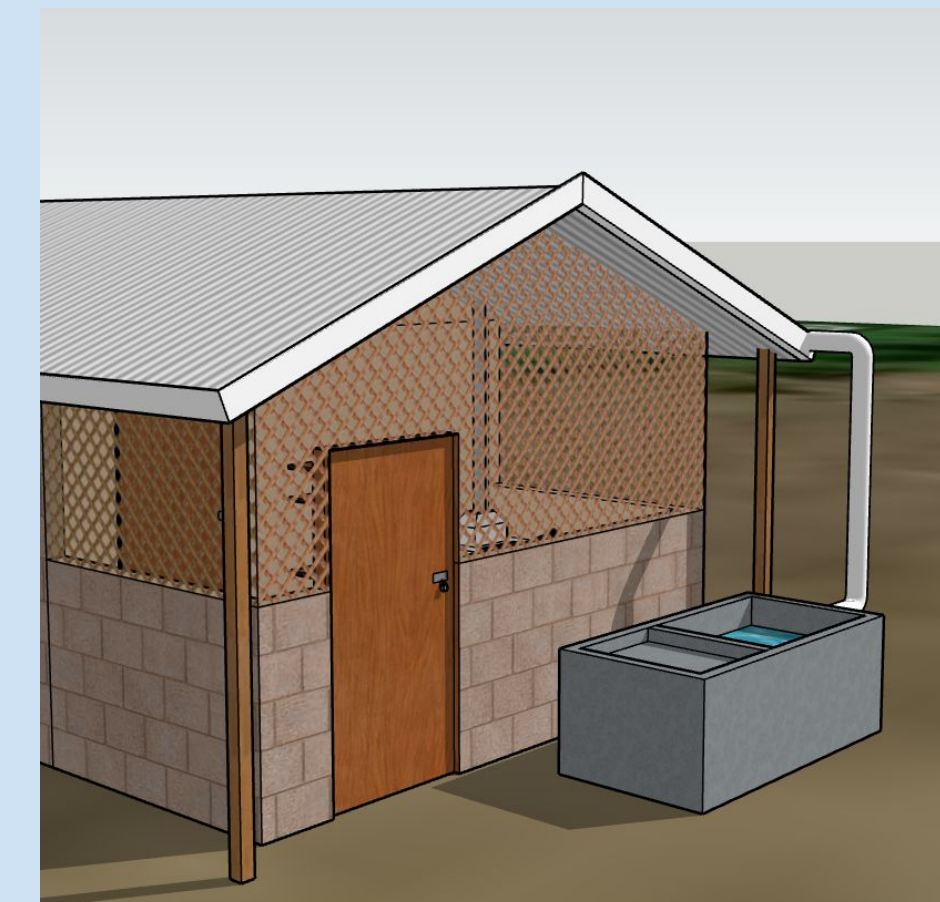
Wooden poles connected to roof overhang add support.



Small solar panel powers a lightbulb within the house.

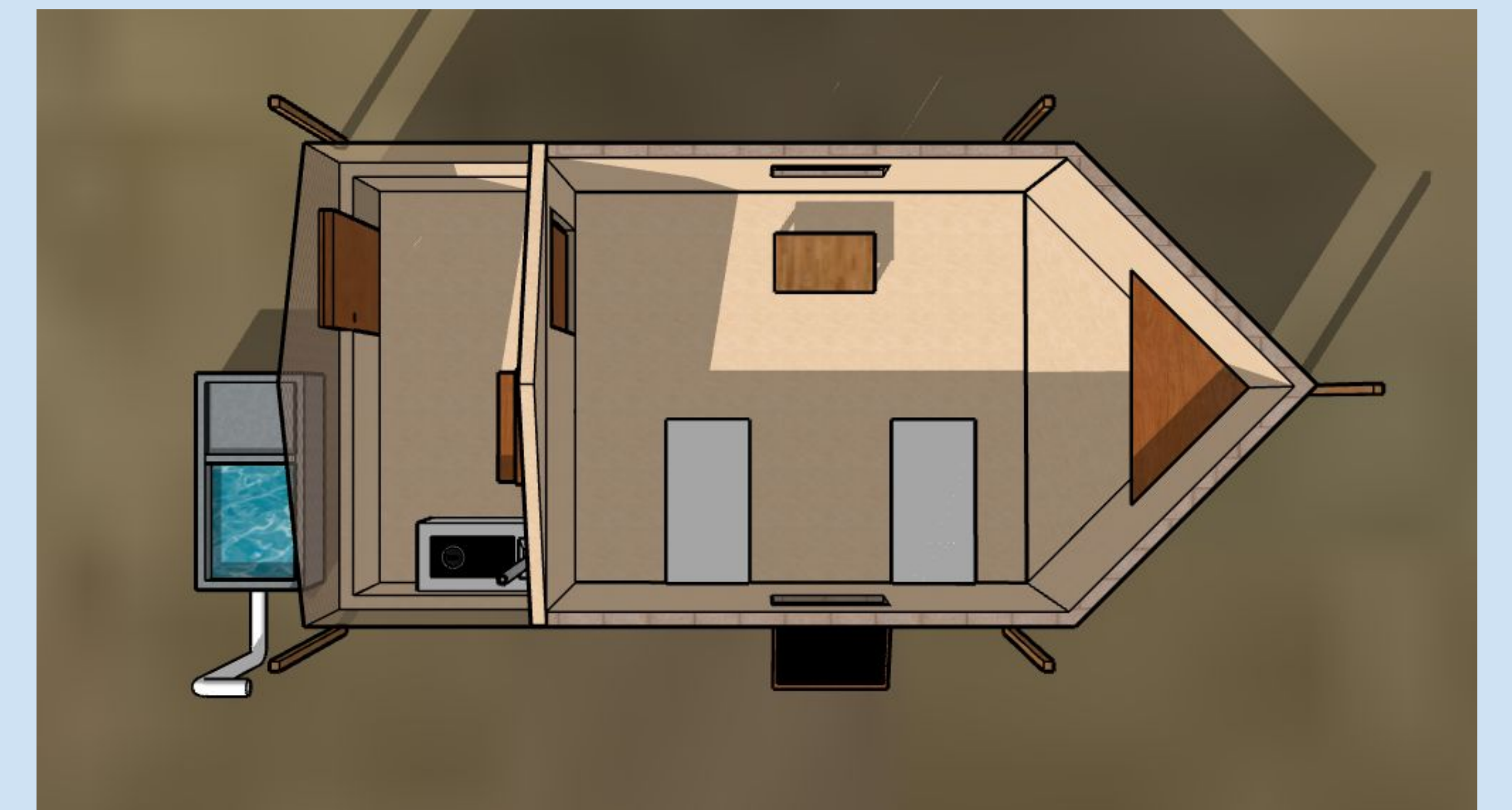


Traditional pila is used for washing clothes or dishes; connected to a rainwater gutter collection system.



Wooden lattice provides increased ventilation in the kitchen.

Interior



Ecostove and separation wall between kitchen and main living structure decrease smoke production and inhalation.

Unique pentagonal structure limits effects of winds.

Implementation

