



WPI

# Permanent Housing Les Cayes, Haiti

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## Problem & Background

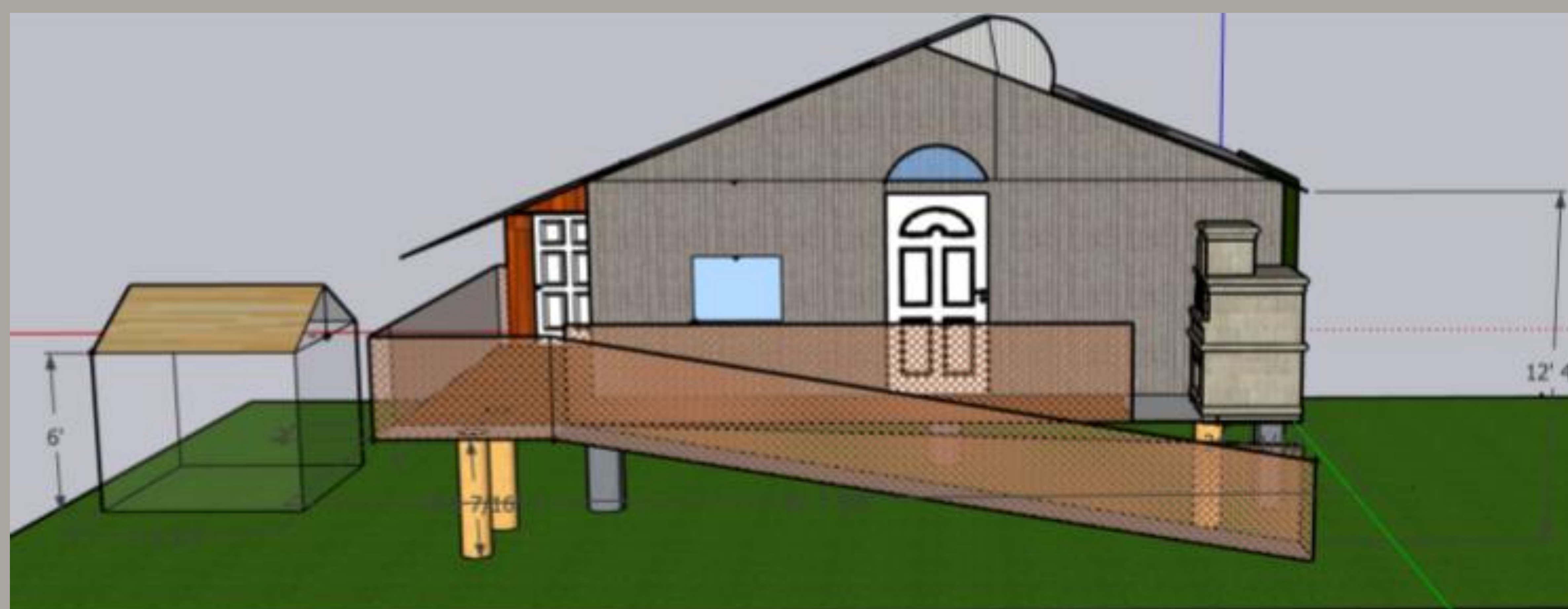
- 400,000 people are forced to sleep in tents due to flooding
- 4.4 million Haitians face starvation
- Flooding leads to destruction of structures and water contamination

## Implementation

- Respecting local culture, use of natural resources
- Local employment as well as volunteer work
- Approximately 3 months to build

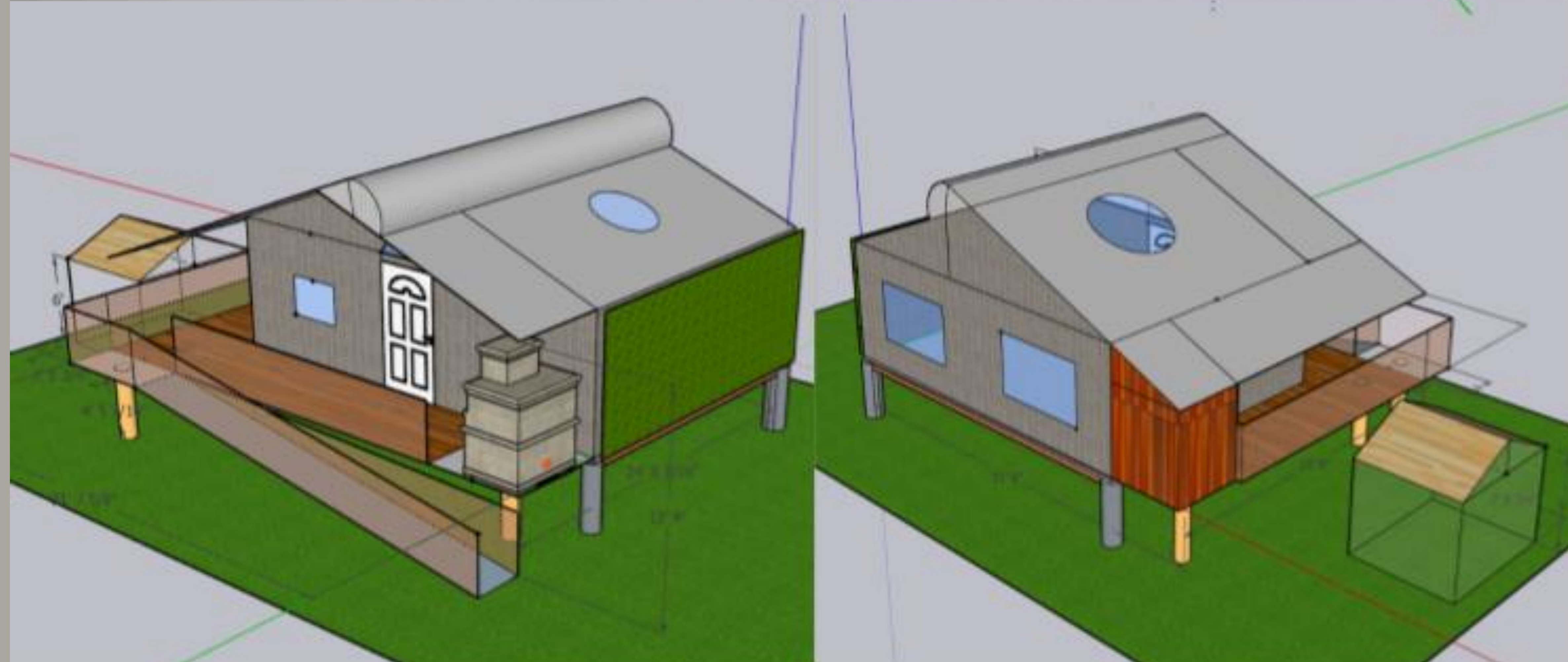
## Materials

Recycled Cement, Wood, Bamboo, Metal, Recycled Plastic  
Cost: ~2000



## Design Strategies

- House has a chicken coop in the yard
- Stilts prevent flooding
- Wheelchair ramp for accessibility
- Made of natural resources
- Latrine next to the house
- Water collection through gutters on sides of roof



## Living Walls

- Located on side of the house
- Saves space and lowers costs
- Can grow virtually any vine plant

### Sources

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