

1/2 EarthHouse - a home from the earth

EarthHouse is a building system that can be adapted to accommodate families in need. I designed the EarthHouse to be built from the earth. It uses clay, sand, and other locally available materials for construction. Please have a look at the images, Thanks!

BASIC PLAN AND SECTION

The floor plan shows three distinct areas: a top section labeled 'COOK', a middle section labeled 'STORAGE/SELL', and a bottom section labeled 'SLEEP'. A semi-circular 'MARKET WINDOW' is located on the right side of the plan. The cross-section below shows the building's profile, with a person standing inside to provide scale. The structure is built into the ground, with a sloped roof and thick walls.

These plans serve as just a starting point. The program is a simple cook, storage/sell, and sleep layout. A market window allows fresh air and light into the space. The market window also allows families to sell homebased goods, increasing their finances and providing an opportunity for betterment.

The EarthHouse system is designed to be modified and adapted to the surrounding environment and the requirements of families - fulfilling their most basic needs while giving them a space to call home.

MARKET WINDOW

Solution

Sorry you can't read some of the text, the watermarks make it difficult!

Anyways you can follow along here

EARTHHOUSE

Each EarthHouse is raised by the community. Each person has a skill - a brick layer and a wall maker. Everyone works together to build a home of the earth.

BUILDING SYSTEM

The design arises from the people - adapting to their needs. The system is modular with a tectonic relationship of part to whole. Only 4 easy to manufacture parts make up the entire construction system of localized materials - earth, clay, sand, and bamboo. An adaptable construction logic allows for a variety of configurations.

VARIOUS CONFIGURATIONS

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Creative's profile



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