

The Healthy Latrine™ (THL™)

A low-cost alternative to sanitation access in developing countries

Overview

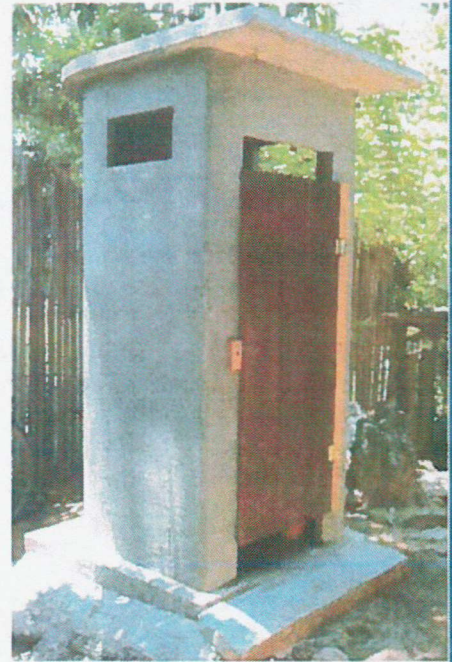
- Provides needed sanitation facilities in rural and sub-urban settlements
- Improves health and living conditions
- Uses building materials available locally and sweat equity provided by beneficiary
- Consists of:
 - Vented deep-pit latrine on a concrete slab
 - Fiber-reinforced concrete privacy structure
- Uses a modern toilet (minus the tank), which is healthier and easier to keep clean
- Utilizes one gallon of water to wash hands and "flush" waste down the toilet
- Estimated to last 30 years if two additional pits are dug adjacent to original pit

Latrine Specifications

- 8' deep pit, rock lined or with concrete collar
- 4.5'x 4.5'x4" cover slab (with rebar) for pit
- 4.5'x 4.5'x2" slab as latrine floor
- 40" width x 44" depth x 87" height for concrete structure; (semi-circular back wall and 8" x 16" side windows 68" from floor)
- 24" x 72" wooden door

The provided aluminum forms are assembled and used as a mold for the concrete structure. A vegetable oil is applied prior to pouring the concrete, making it easier to release the forms once the concrete has set.

75% of poor families in developing countries lack simple sewage sanitation facilities. This lack of access is responsible for more than half of the gastrointestinal diseases caused by water-borne bacteria, viruses and worms. Imagine how the quality of life can improve when primitive privies are replaced by THL!



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