



WORLD SHELTERS

World Shelters is a US 501(c)(3) non-profit and international NGO with the mission of providing temporary and transitional shelter to meet the assessed needs of established agencies.

Agencies working on transitional shelter (t-shelter) projects in Port-au-Prince have found that many parcels of land are too small for typical t-shelters. A second story of living space is needed to provide adequate shelter area per person on these tiny lots. World Shelters was requested by USAID to develop a 2-Story T-Shelter for this assessed need. World Shelters and Uber Shelter partnered in a design that includes multi-level elevated flooring, variable configuration and adjustable feet for unlevel terrain. The resulting "T-Shel 2" is made from a galvanized steel frame and fire retardant UV-resistant polypropylene walls and roof. By adding SIP, CGI, or other permanent sheathing materials, the existing structure can transition to permanent housing. More rooms can be added using modular extensions or local construction. In-country programming can include fabrication steps, assembly and other opportunities for paid work by Haitians.



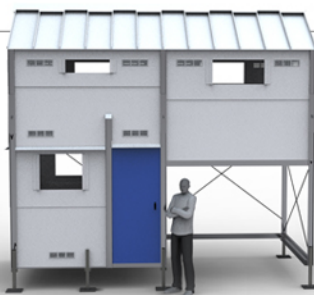
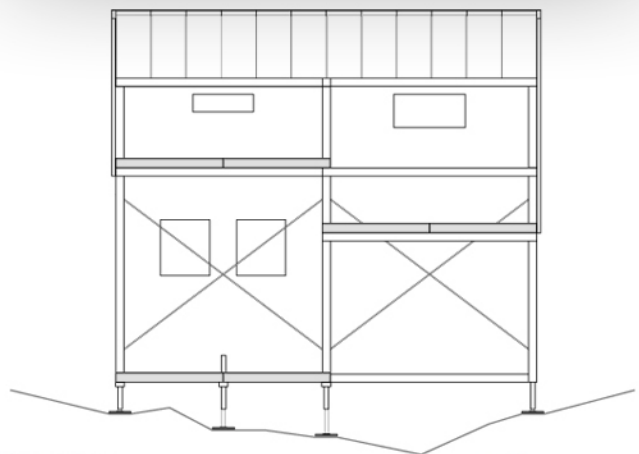
collapsed shelter 1.2x2.4x.76 m (4x8x2 ft.)



18 sq meters interior, 6 sq meters exterior porch

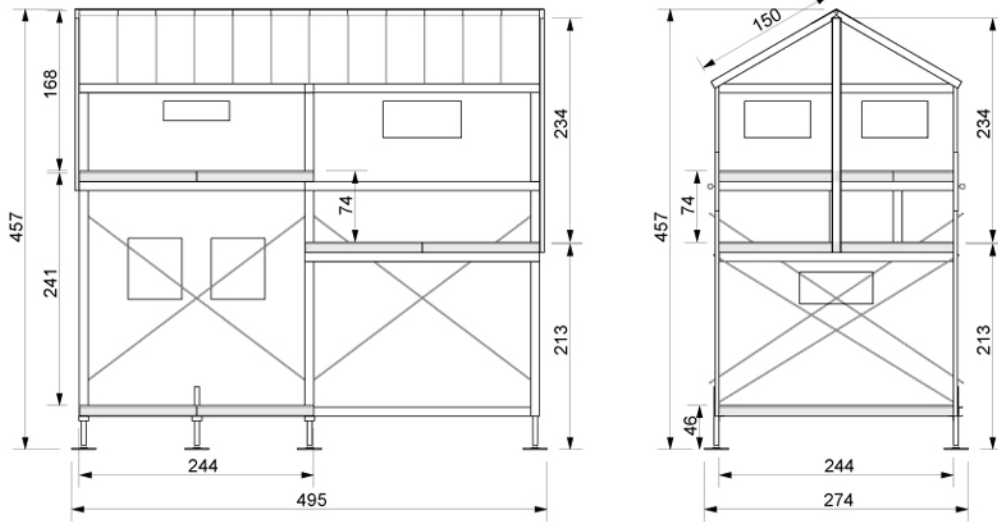
Strength Specifications: The designed strength loads for the T-Shel 2 are 100mph rated wind loads, per the Transitional Shelter Guidelines for Haiti, and 25 lbs/ft² floor loads. The T-Shel 2 demonstration model in Port-au-Prince has been determined, by analysis of licensed civil engineer, to have 86mph ultimate wind load and 70mph rated wind load with 1.5 safety factor. Incremental structural elements have been defined to achieve the design goal of 120mph ultimate wind load, 100mph rated wind load with 1.5 safety factor. Floor loads are 25 lbs/ft² with 1.5 safety factor.

Status: The demonstration model of the T-Shel 2 will be available in Port-au-Prince for evaluation by agencies. World Shelters and our manufacturing partners have capacity for production in any required quantity.



Contact: info@worldshelters.org and rafael@ubershelter.org or by phone at +1 707.845.5654.

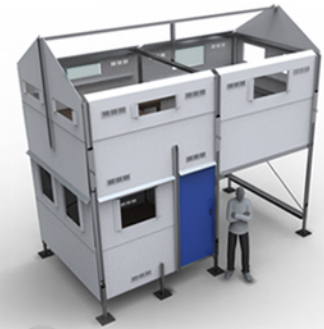
● dimensions in centimeters



1 collapsed shelter 122x244x76 cm (4x8x2 ft.)



2 assemble frame and floors



3 attach walls and windows

assembly

4 attach roof

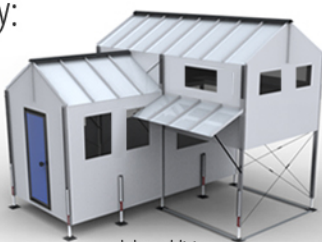


● 18 sq meters interior (190 sq ft), 6 sq meter exterior

● 12 sq meter footprint

● modular design for variable configurations

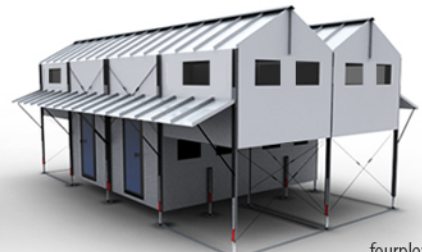
modularity:



modular addition



duplex



fourplex