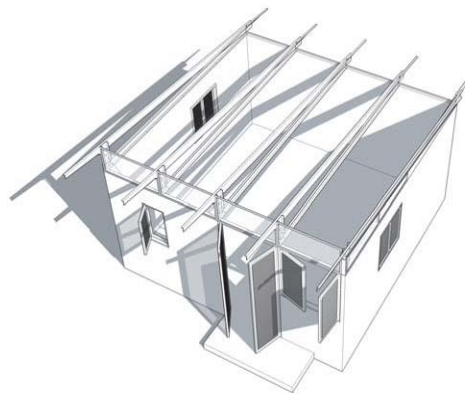
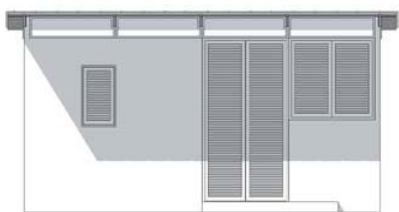
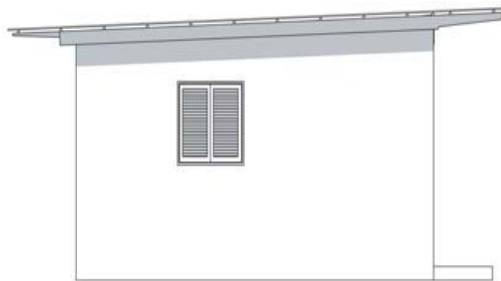


# ReadyShelter™ Tropic Home

*Sustainable Housing*





### Croix des Bouquets, Haiti

#### **Tropic Home: Pricing and Dimensions** (excluding freight, taxes and assembly)

- 1) 12x16 – 192 square feet (17.8 m<sup>2</sup>) shell with shed roof
- 2) 16x16 – 256 square feet (23.8 m<sup>2</sup>) shell with shed roof
- 3) 16x20 – 320 square feet (29.8 m<sup>2</sup>) shell with shed roof
- 4) 16x24 – 384 square feet (35.6 m<sup>2</sup>) shell with shed roof

- Steel and panel framing system includes: base track, wall studs and panels, top track, rafters, metal shed roof, fasteners.
- Shelter expandable in 4' sections (additional shear wall may be required)

#### **Tropic Home options:**

- Floor framing system
- OSB sub floor
- Interior walls
- Doors and frames
- Windows and frames
- Stucco lath
- Roof insulation

Assembly must be to Ready Corporation's specification and final inspection is required. Ready Corporation Worldwide framing systems use proven construction methods, but place emphasis on simplicity, strength, speed of installation, flexible design and environmental benefits. The Tropic Home, pre-engineered to withstand severe wind and seismic loads, can be assembled in remote and inaccessible locations. The field assembled home can be utilized for long term or temporary use and is easily removed. All components are pre-cut and pre-sized to enable a quick assembly. The Tropic Home can be assembled in one day on a concrete slab, piers, block or any other foundation system. The home must be anchored per local building code. Weatherproof siding, whether stucco, elastomeric paint or other, is required. Minimum order requirements.



## Why Ready Is the Right Choice for Haiti

Choosing Ready's sustainable building systems will encourage the Haitian people that there are alternative systems that do not destroy Haiti's natural resources. The use of Ready's building systems is environmental stewardship in action.

**Concrete:** The continued use of concrete as a primary building material will exacerbate the strip mining of gravel so visible in the mountains of Haiti. Concrete has one of the largest carbon footprints of all building products.

**Lumber:** The deforestation of Haiti is an environmental crisis with staggering consequences to the future of the country. Haiti has suffered from deforestation because of the desperate need for cooking fuel. The promotion and continued use of lumber as a building product in Haiti is not sustainable or responsible.

**Plastic:** Haiti has enough plastic trash. The use of plastic to rebuild Haiti is not a sustainable concept.

**CAF and Steel:** The CAF panel is made from the waste by-product (straw) after the wheat harvest. The CAF panel is the lowest carbon footprint building product. Steel can come from recycled steel and/or be recycled or reused.

The Tropic Home is for temporary or permanent use. The weathered in shell can be assembled in 40 man-hours.

### Structural Integrity and Durability

- Light gauge steel framing
- Impact resistant, load bearing panels
- 150 mph wind rating when anchored per specs
- Designs meet standards for USGS Seismic Category D
- Fire resistant

### Portability

- Materials pre-cut & flat packaged
- Easily transported
- Quick, simple and safe to assemble
- Long shelf-life when pre-positioned

### CAF Panel Technical Data

- Base unit is compatible with conventional insulating materials and can be made to meet or exceed IRC code requirements for R values.
- Flame spread (ASTM E119): FSI = 75, SDI = 25, Class B material
- Thermal conductivity (ASTM C518): R 4.
- Moisture absorption (ASTM C739): 4.2% vs. allowable max of 15%
- Smoldering combustion (ASTM C739): no smoldering combustion; carbonization creates barrier to fuel/oxygen
- Impact resistance – several times more impact resistant than sheetrock
- Highly energy efficient – less than 5% of the embodied energy vs. GWB

