SHELTER 2 HOME

INTRODUCTION TO SHELTER2HOME

Dear Friend of SHELTER2HOME,

The SHELTER2HOME Technology was developed out of my personal experience over a three year period while I was building decent, affordable houses in partnership with Habitat For Humanity in Sri Lanka after the devastating December 26, 2004 South Asia Tsunami. During that period I witnessed the International Community generously pull their efforts together in an attempt to help millions of families, displaced out of their homes first into temporary tents, then into transitional shelters and if the family was fortunate into a permanent home. When funding ran out most often the NGO's closed their programs and many families where left stuck in the shelters that were only meant to be "transitional."

While building our single family homes with our innovative building technology I wondered if there was a more environmentally and economically friendly manner to help the International Community provide a "smarter" shelter to a permanent home solution. Deploying tents and building transitional shelters using temporary materials, such as plywood, timber and sheet metal, was very costly and did not help the families step any closer into permanent housing.

SHELTER2HOME, in partnership with STUCC ON STEEL, LLC, has developed an Emergency/Transitional Shelter that has the unique ability to convert (at a later date) into a Permanent Home that is not only culturally viable in more than 80% of the world but would also be highly resistant to future natural events. Nothing is wasted or thrown away when it is converted. The structure can be disassembled and then eventually made permanent in a new location without any compromise to the structures integrity. Pictorial diagrams allow unskilled labor to erect using very basic tools.

But SHELTER2HOME is more than a manufacturer of a Shelter/Building System. Our company is committed to the philosophy that our role in the countries where we operate is to provide a hand-up, not a hand-out, and ultimately contribute to the sustainability of the country by addressing the Triple Bottom Line; the measure of economic, ecological, and social success. The company achieves this by manufacturing (producing) as many of the components in country as soon as it is possible, using environmentally friendly (recyclable) and locally source building materials and finally working within the communities to promote local job creation and empowerment to the people to solve their own housing challenges.

After our program was disrupted in Sri Lanka by the Liberation Tigers of Tamil Eelam (LTTE) we refocused our attention to the country of Haiti. SHELTER2HOME-HAITI S.A., our first foreign subsidiary was incorporated in October 2009, three months before the January 12, 2010 earthquake. Over the past three years we have completed more than $2 Million worth of projects ranging from a 12-classroom school to single-room core houses for those displaced. In July of 2012 the Government of Haiti approved our Duty-Free Franchise and we now are moving to the establishment of a manufacturing facility in country.

In closing, we look to work closely with you to provide more sustainable, culturally, economically and environmentally friendly housing and building solution wherever that is needed in the world.

Sincerely,

Donald A. Stevens President
Shelter2Home, LLC
VANGUARD Light Gauge Steel Buildings

Raymond Alcide Joseph
Former Ambassador of Haiti to the United States of America
April 2004 to August 2010

L'Union fait la force | Le nou tout la nou fo | In unity there is strength

October 25, 2011,

10 rue Capois, Champs de Mars
Port-au-Prince, Haiti

To Whom It May Concern:

January 12, 2010 will go down in history as Haiti's most catastrophic day when a 7.0 magnitude earthquake destroyed the capital and its surroundings. The loss is counted in more than 300,000 deaths, thousands more wounded and more than a million homeless. Until now 600,000 people are still homeless. The centralized economy registered a loss of about 80%.

Suddenly, the whole world discovered Haiti, the first Black Republic in the world and the second independent nation in the Western Hemisphere. All joined hands to help the Caribbean island nation in a rare spirit of solidarity. I thank all, especially those in the United States of America, who showed such support at a critical time.

But I have a special appreciation for Donald Stevens of Shelter2Home, because he had come to the Embassy in Washington, D.C. in February 2009 to discuss with me his vision for anti-seismic and anti-cyclonic homes for Haiti. I was impressed by the technology and more yet by his passion. He went into action immediately and started a project in Cayes, in Haiti's southwest region. He has done more since.

Officially out of government since August 2010, I have decided to join forces with Mr. Stevens in an official capacity to help him pursue the vision he had long before the earthquake. I believe that Shelter2Home will contribute with job creation locally and help in providing badly needed affordable and appropriate housing, certainly a growth field in the new Haiti in the making.

I wholeheartedly recommend Donald Stevens and Shelter2Home.

Raymond A. Joseph

Post Office Box 53331 / Washington, District of Columbia 20009

WHO IS SHELTER2HOME?
¿QUIÉN ES SHELTER2HOME?

SHELTER2HOME, LLC is a Winchester, Virginia based building systems manufacturer with subsidiaries in various countries, specializing in Emergency/Transitional Shelters that convert to Permanent Homes. We also manufacture low-cost to luxury housing, medical and commercial structures up to four stories that are highly earthquake, hurricane, fire and termite resistant.

SHELTER2HOME, LLC es un Winchester, Virginia construcción fabricante con sede en los sistemas con filiales en varios países, que se especializa en refugios de emergencia / transición que se convierten en viviendas permanentes. También fabricamos bajo costo para viviendas de lujo, centros médicos y comerciales de hasta cuatro pisos que son altamente terremoto, huracán, fuego y resistente a las termitas.

SHELTER2HOME, LLC is committed to the philosophy of providing a hand-up not a hand-out, and ultimately contributing to the sustainability of the country by addressing the triple bottom; measuring economic, ecological and social success. This is done by manufacturing components in country, training and hiring local youth of working age and assisting communities in need through our preferred IRS approved 501(c)3 charitable non-profit REACH (Reconstruction Efforts Aiding Children without Homes).

SHELTER2HOME, LLC está comprometido con la filosofía de ofrecer una mano-up no una limosna, y en última instancia, contribuir a la sostenibilidad del país por hacer frente a la triple cuenta de resultados, la medición del éxito económico, ecológico y social. Esto se hace mediante la fabricación de componentes en el país, la formación y la contratación de jóvenes de la localidad en edad de trabajar y ayudar a las comunidades necesitadas a través de nuestro preferido aprobados por el IRS 501 (c) 3 organización de beneficencia sin fines de lucro REACH (Esfuerzos de Reconstrucción ayudar a los niños sin hogar).

OUR MANUFACTURING PROCESS
NUESTRO PROCESO DE FABRICACIÓN

Manufacturing SHELTER2HOME and STUCC ON STEEL components begins with light gauge galvanized steel, which prevents it from rusting even in extreme, coastal environments. Once the steel is loaded and the type of Shelter or Building Structure to be manufactured is selected it is fed into the machine and as it proceeds through thru the specialty tooling it is continuously folded to a STUCC ON STEEL standard structural profile in a process called cold-roll forming.

As the steel begins to take shape it is also manipulated so that features of the Framing System, like pre-set fastener holes, for example, are integrated into the components as specified by the design. Each component is then labeled with the panel and part name so that is can be later identified in the panel fabrication and installation process.

Fabricación y SHELTER2HOME STUCC ON componentes de acero se inicia con acero ligero galvanizado, lo que impide la oxidación, incluso en ambientes extremos, la costa. Una vez que el acero se carga y el tipo de refugio o estructura del edificio para ser fabricados seleccionado es que se alimenta en la máquina y a medida que avanza a través de a través de las herramientas especializadas que continuamente se retiró ante una STUCC en acero estructural perfil estándar en un proceso llamado frío -perfilado.

Como el acero comienza a tomar forma también es manipulada para que las características del sistema estructural, como los agujeros cierre de pre-establecido, por ejemplo, se integran en los componentes según las especificaciones del diseño. Cada componente se etiqueta con el panel y el nombre de la pieza de modo que se puede ser identificado más tarde en la fabricación de paneles y el proceso de instalación.

OUR PHILOSOPHY: THE TRIPLE BOTTOM LINE / *NUESTRA FILOSOFÍA: LA TRIPLE LÍNEA INFERIOR*

PROFITABILITY / *RENTABILIDAD*
Every for-profit business must be profitable, and we are confident that our focus on sustainability and social responsibility will pay dividends with repeat sales and returning customers. / *Todas las empresas con fines de lucro debe ser rentable, y estamos seguros de que nuestro enfoque en la sostenibilidad y la responsabilidad social pagará dividendos con ventas de la repetición y los clientes que regresan.*

SUSTAINABILITY / *SOSTENIBILIDAD*
We are continually striving to reach new levels of sustainability as our projects use local and environmentally friendly building materials with minimal waste and can expect a 100+ year life expectancy. / *Nos esforzamos continuamente para alcanzar nuevos niveles de sostenibilidad de nuestros proyectos el uso de materiales locales de construcción y respetuosa del medio ambiente con el mínimo desperdicio y pueden esperar una expectativa de vida de 100+ años.*

SOCIAL RESPONSIBILITY / *RESPONSABILIDAD SOCIAL*
Skilled trade job training for working youth and procurement of numerous materials from local in-country businesses are just some of the ways that SHELTER2HOME is impacting the social fabric for the better. / *La formación especializada de empleo para jóvenes trabajadores del comercio y la adquisición de materiales de numerosos locales de cada país las empresas son sólo algunas de las formas en que SHELTER2HOME está afectando el tejido social para mejorar.*

INNOVATIVE FEATURES & MATERIALS
CARACTERÍSTICAS INNOVADORAS Y MATERIALES

1. INTEGRATED FOUNDATION

Exterior and Load Bearing Wall Panels are placed onto a prepared concrete footing then permanently secured into 6" - 12" (minimum) turned-down perimeter concrete slab creating a building structure that is highly resistant to earthquake and hurricane.

INTEGRADO DE LA FUNDACIÓN

Exterior y de gran resistencia a los paneles de pared se colocan en pie de hormigón preparado se esté fijado en un 6 "-12" (mínimo) convertido por losa de hormigón del perímetro creando una estructura de edificio que es muy resistente a terremotos y huracanes.

2. INTEGRATED ROOF FRAMING

Utilizing advanced framing techniques, roof panels are manufactured to align directly and adjoin with the wall panel framing below. This direct roof-to-wall panel connection ensures maximum strength, load transfer and resistance to hurricane and earthquake.

MACROS DE MODERA INTEGRADO

Utilizando técnicas avanzadas de elaboración, los paneles del techo se fabrican para alinear directamente y colindan con el panel de la pared enmarcar a continuación. Este directo del techo a pared panel de conexión garantiza la máxima resistencia de transferencia de carga y resistencia a huracanes y terremotos.

3. VENTILATION

Our structures utilize soffit and ridge ventilation allowing air to flow through the roof cavity to keep the temperature cooler inside.

VENTILACIÓN

Nuestras estructuras utilizan plafones y ventilación cresta permitiendo que el aire fluya a través de la cavidad del techo para mantener el interior fresco de la temperatura.

4. THERMAL REFLECTIVE BARRIER

Thermal Reflective Barriers are installed on all exterior walls and roof panels under the Structural Stuccos reducing the chance of significant solar heat gain on the building and thus making the interior cooler for the occupants.

BARRERA DE REFLEXIÓN TÉRMICA

Barreras de reflexión térmica se instalan en todas las paredes exteriores y techos en los Estucos estructurales reduciendo el riesgo de aumento significativo del calor solar en el edificio y lo que hace el refrigerador de interior para los ocupantes.

5. METAL STUD & LATH SYSTEM

The Building System is comprised of light gauge, galvanized structural steel, containing rust preventive coatings against sea-salt laden air. Components are pre-manufactured into pre-engineered parts that can either be factory or site assembled into wall, floor, deck or roof panels. A structural galvanized mesh (lath) is applied to each surface to receive our Structural Stuccos.

METAL STUD Y SISTEMA DE MALLA

El sistema constructivo está compuesto por medidor de luz, estructuras de acero galvanizado, con revestimientos de óxido de prevención contra el aire cargado de sal marina. Componentes son pre-fabricados en pre-diseñado las piezas que pueden ser ensambladas en fábrica o en la pared, el suelo, la cubierta o los paneles del techo. Una malla estructural galvanizado (malla) se aplica a cada superficie para recibir nuestros Estucos estructurales.

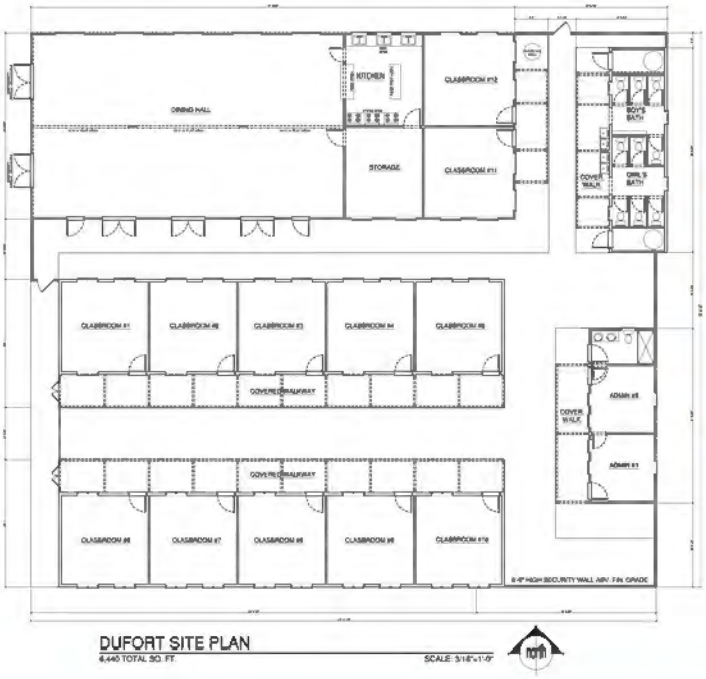
6. STRUCTURAL STUCCO

Structural stucco exterior and interior finishes, comprised of local sand, cement and proprietary admixtures are designed to have high strength while being flexural and highly resistant to impact.

ESTUCO ESTRUCTURALES

Estructurales acabados de estuco exterior e interior, compuesto de arena local, cemento y aditivos de propiedad están diseñados para tener alta resistencia a la flexión y al mismo tiempo ser altamente resistente a los golpes.

DUFORT, HAITI



DUFORT SITE PLAN

6,440 TOTAL SQ. FT.

SCALE: 3/16"=1'-0"

Baptist Foyer Divine Community was selected by CROSS INTERNATIONAL to receive funding to construct a new school, with a campus style setting, to service more than two hundred children affected by the January 2010 earthquake. The compound consists of an Administrative Building, two 5-Room Classroom Buildings, a Bathroom Facility, and a Multipurpose Facility that houses a Dining Hall with a Kitchen and Storage, as well as two additional classrooms

The structures are designed to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

Project Description: A one-story, 12-classroom school with covered walkways, boys and girls private bathrooms, administration building with private bathroom, kitchen and dining hall (see floor plan).

Location: Dufort, Léogane, Haïti

Project Type: School

Client: CROSS INTERNATIONAL

Scope: Design, Manufacturing, Construction

Area: 7,976 Square Feet (includes covered areas)

Project Cost: $ 625,057 USD

Duration: 7 months

Personnel Employed:

40 men (full-time)

7 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, plumbing & electrical fixtures, etc.

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www.shelter2home.com

DUFORT, HAITI


Administration Office - View

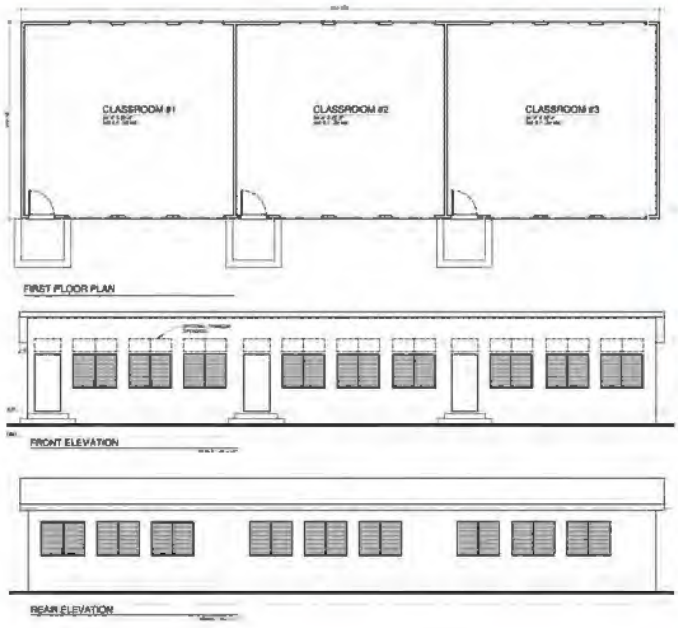

Girls/Boys Bathroom - View


Exterior Classroom View

Dining Hall - View


Dining Hall - View

GRESSIER, HAITI



CROSS INTERNATIONAL, a Miami based NGO, contacted SHELTER2HOME to construct a three-room classroom to replace an existing school that collapsed in the Léogane area during the January 12th earthquake.

This design incorporates classrooms approximately, 20'-9" x 21'-4" (443 Square Feet/41.2 M2) with vaulted ceilings at 11'-4" in height. Aluminum louvered windows, thermal reflective insulations along with soffit and ridge venting keep this school extremely cool.

The structure is designed to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

Project Description: Three-room classroom.

Location: Gressier, Haiti

Project Type: School

Client: CROSS INTERNATIONAL

Scope: Design, Manufacturing, Construction

Area: 1,418 Sq. Ft. / 131.7 M2

Project Cost: $81,200 USD

Duration: 2.5 months

Personnel Employed:

27 men (full-time)

4 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, electrical fixtures, decorative trim, etc.

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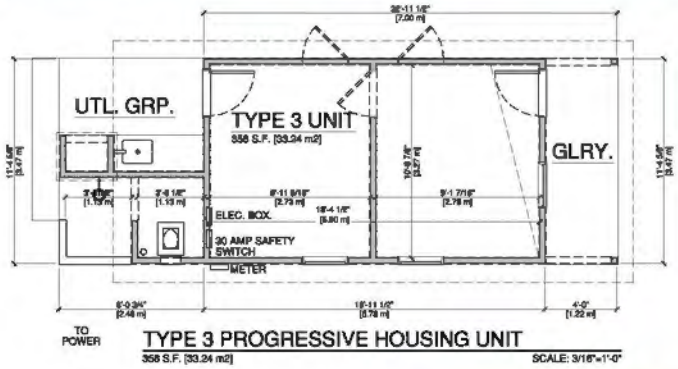
Z'ORANGE, PORT-AU-PRINCE, HAITI



SHELTER2HOME's answer to the Government of Haiti's request for housing samples demonstrating advanced, low-cost solutions at the Z'Orange Housing Exposition was a two-room starter home that included an innovative Utility Group that supports the Haitian "Lakou" way of life. S2H's cooking chimney support gas and/or charcoal based fuel systems.

This home has a vaulted ceiling with a standard 8'-0" wall height on the low side and 11'-0" wall height on the high side. The building is manufactured to include structural openings for two doors into a future addition (see below).

The structure is designed to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

Project Description: Two-room starter home with covered porch and utility group addition, which includes partially covered kitchen area, cooking chimney with vertical water (500 liter) storage platform, open-air (roof only) shower and private, enclosed toilet area.

Location: Z'Orange, Port-au-Prince, Haiti

Project Type: Single-Family Housing

Client: The Government of Haiti

Scope: Design, Manufacturing, Construction

Project Cost: $8,300—Core House; $11,450 w/ Utility Group

Duration: 7 Days—Core House; 10 days—Core w/ U. Group

Personnel Employed:

18 men (full-time)

5 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, plumbing fixtures, etc.

SHELTER 2 HOME

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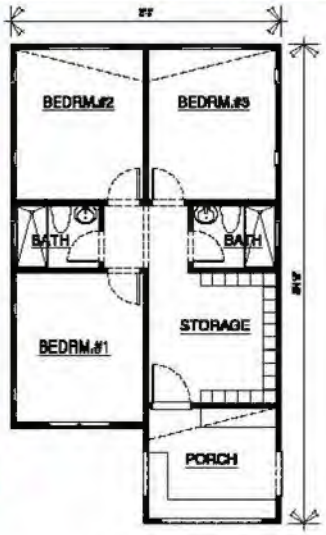
MEYOTTE, PETION-VILLE, HAITI



The Canadian Government contacted SHELTER2HOME to assist them in rebuilding an orphanage that collapsed on January 12th in memory of two Canadian Police Officers who lost their lives that day.

Houses: The houses each contain three bedrooms and two full (Western style) bathrooms, a storage area for the children's possessions and a covered porch for extended living. Vaulted ceiling and a well vented roof system promotes cooler interior living.

School/Chapel: The building is designed to accommodate 60+ children, which includes classroom, full-service kitchen, two full bathrooms, and private living quarters for three people.

Both building types are designed to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

Project Description: Two of three 3-bedroom, 2-bathroom (each) houses and a two-classroom school and chapel including living quarters for the Baby of Jesus Orphanage, which accommodates approximately 45 orphaned youth.

Location: Meyotte, Haiti

Project Type: Multi-use facility, Orphan housing

Client: City of Langford, Canadian Government, Private Donor

Scope: Design, Manufacturing, Construction

Project Cost:

(2) Houses: $20,000 USD each

School/Chapel: $160,997 USD

Duration:

Houses: 60 days

School/Chapel: 4 months

Personnel Employed:

25 men (full-time)

7 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, plumbing & electrical fixtures, etc.

SHELTER2HOME

www.shelter2home.com

TORBECK, HAITI

FREE THE KIDS, a non-profit based in the USA, contacted SHELTER2HOME to provide a roofing solution for their 12,851 Sq. Ft. facility that was built traditionally using cement block and reinforced concrete columns.

SHELTER2HOME proposed a Light Gauge Steel Panel and Roof Truss System that was finished (exterior side) with its High-Strength Structural Stucco Cementitious Finish, which is strong, durable and beautiful.

SHELTER2HOME provided a trained installation crew to the local Haitian contractor and took advantage of local materials including sand, gravel and cement. Roof structure was engineered to be highly earthquake and hurricane resistant.

Project Description: Panelized Roofing Solution for a Dining and Kitchen Facility at the Pwoje Espwa Sud Orphanage.

Location: Torbeck, Les Cayes, Haiti

Project Type: Commercial Roofing

Project Size: 12,851 Square Feet or 1,194 M2

Client: FREE THE KIDS

Scope: Manufacturing and Installation

Project Cost:

$75,735.00 USD (Does not include Labor, Shipping or Duty)

Duration:

Roof Structure - 120 days

Personnel Employed:

20 men (full-time)

Local Materials: Cement, sand, and gravel,

LES CAYES, HAITI

SHELTER2HOME's President, Donald Stevens, founded a charitable arm of the company called REACH (Reconstruction Efforts Aiding Children without Homes), an IRS approved 501(c)3 to assist orphaned children into decent, affordable homes. REACH extended partnership with CROSS INTERNATIONAL, to construct two, three-room homes for orphan girls living at the PWOJE ESPWA Orphanage.

Each bedroom is approximately 10'-2" x 12'-0", living room is 10'-2" x 11'-10", bathroom is 6'-7" x 4'-11" (shower, toilet and lavatory) and a covered porch 10'-2" x 12"-7". House contains vaulted ceilings throughout. Aluminum louvered windows, thermal reflective insulation along with soffit and ridge venting keep this home extremely cool year round.

Integrated wall panel system into prepared concrete foundation and slab allows this structure to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

For more information about REACH visit: www.reach4children.org.

Project Description: Two, 3-bedroom, 1-bathroom houses with living area and covered porch for extended outdoor living. Includes private septic system/water and electric (EDH).

Location: Les Cayes, Haiti

Project Type: Orphan housing

Client: REACH & CROSS INTERNATIONAL

Scope: Design, Manufacturing, Construction

Project Cost:

(2) Houses: $20,000 USD each

Duration:

Houses: 60 days

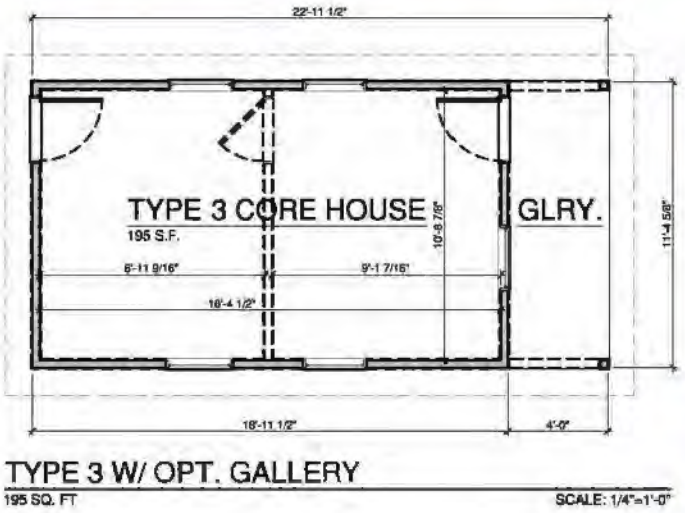
Personnel Employed:

25 men (full-time)

4 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, plumbing & electrical fixtures, etc.

TORBECK, LES CAYES, HAITI



TYPE 3 W/ OPT. GALLERY

195 SQ. FT SCALE: 1/4"=1'-0"

CROSS INTERNATIONAL, a Miami based NGO, contacted SHELTER2HOME to provide fifty low-cost housing solution for families displaced by the January 12th earthquake. All beneficiaries decided to relocate to Torbeck; a rural suburb of Les Cayes.

This design is the based on the model built at the Z'Orange Housing Exposition but without the S2H Utility Group that supports the Haitian "Lakou" way of outdoor life but can be added at any time in the future.

This home has a vaulted ceiling with a standard 8'-0" wall height on the low side and 11'-0" wall height on the high side. The building is manufactured to include structural openings for two doors into a future addition.

The structure is designed to resist, at a minimum, earthquakes of 7.0 Richter and hurricanes of 145 mph (wind gusts up to 225 mph).

Project Description: (50) Two-room starter homes with covered porch.

Location: Torbeck, Les Cayes, Haiti

Project Type: Single-Family Housing

Client: CROSS INTERNATIONAL

Scope: Design, Manufacturing, Construction

Project Cost: $6,100 to $7,300 (varies per site & location)

Duration: 10-12 days

Personnel Employed:

18 men (full-time)

2 subcontractors

Local Materials: Cement, sand, gravel, paint, doors, windows, hardware, plumbing fixtures, etc.

SHELTER2HOME

www.shelter2home.com

www.vlgsb.net

Check out our Facebook Page
https://www.facebook.com/pages/Shelter2Home/112742715479973

For more information contact Donald Stevens
Para más información contactar Donald Stevens
donald@vlgsb.net
U.S.A. +1-540-327-4425

MAILING / *POSTAL*
P.O. BOX 3223
WINCHESTER, VIRGINIA 22604
U.S.A.