

# BUILDING BACK BETTER COMMUNITIES

1) NAME OF THE COMPANY

Haiti Building Solutions, SA (Pacific Green Innovations, Inc. – Lot 34)

2) NAME OF THE CEO/BOARD OF DIRECTORS

Charles Fox, CEO, Director

Louis Marie Daniel Dorsainvil, Director

Michèle Duvivier Pierre-Louis, Director

Brian Cooke, Director

Dan Haan, Director

3) ELECTRONIC ADDRESS

[www. haitibuildingsolutions.com](http://www.haitibuildingsolutions.com)

[sales@haitibuildingsolutions.com](mailto:sales@haitibuildingsolutions.com)

4) POSTAL ADDRESS

SONAPI

Parc Industrial Metropolitain

Boulevard Toussaint Louverture

Building 6

Port-au-Prince, Haiti

5) TELEPHONE NUMBERS

509 3 868 4509

509 3 856 7686

6) CONTACT PERSON

Brian Cooke

7) TECHNICAL CHARACTERISTICS OF THE PROTOTYPE

**Haitian Made:** Built using locally manufactured building products produced by Haitians. Needs little to no local natural resources or importation of materials.

**Building Material:** All components; walls, roof, and floor will be constructed of Haitian made Honeycomb/MgO Panels which have been tested/certified as flame resistant, earthquake resistant, hurricane resistant and moisture resistant.

**Move in Ready:** Homes are finished with Haitian made doors and windows and have been wired electrical lighting/outlets and includes plumbing (toilet/sink/shower). Buyers will have a choice of tile and interior/exterior paint color schemes.

**Construction Time:** Easily assembled and finished by five (5) persons in less than 48 hours.

**Durability:** Warranties available for 30+ years.

**Safe:** Each home will have been tested and certified as earthquake and hurricane resistant.

The goal of this house system is maximization of open spaces for flexibility and ventilation. It is a 2 bedroom home consisting of (2) 8x8 bedrooms, living room, kitchen/eating room, bathroom (sink, toilet, shower) and porch.

For future necessities, the panel construction allows for bedrooms to be easily and inexpensively added along the back of the house allowing flexibility in expansion for growing families.

A key characteristic of the design is the incorporation of natural ventilation: windows were modeled, tested and added in each room for both cross and stack ventilation. The angled design of the roof allows for stack ventilation and penetration of natural light into the living space while managing to keep the rain out. Both front and rear entry doors are Haitian made French doors, which when fully opened extends the ventilation as well as conveniently extends the living spaces to include the porch.

When utilizing panels for the floor system, the house can be raised off the ground in response to potential flooding. The house is constructed primarily from locally manufactured Haitian building panels. The panels are used for the flooring, walls, roofing and columns. The roof is supported by interior load bearing walls, with an anchoring system which ties the roof to walls to floor and into the ground.

8) SLAB SIZE (IN SQUARE METERS)

53.15 square meters

9) SIZE OF TOTAL SURFACE OF THE PROTOTYPE (IN SQUARE METERS)

53.15 square meters

10) DURATION OF CONSTRUCTION ON THE SITE

2 days

11) COST PER PROTOTYPE (UNIT PRICE)

Units	USD	\$ sq/ft	\$ sq/m	HTG	HTG sq/m
1-499	8500	14.98	160.37	340000	6415.09
500-2499	8000	13.99	150.94	320000	6037.74
2500-4999	7250	12.67	136.79	290000	5471.7
5000+	6500	11.36	122.64	260000	4905.66

12) CERTIFICATE OF GUARANTEE

30 year product warranty: Limited and Pro rated. Company warrants to the first Owner of the structure for a period of 30 years from the date of original purchase, that the Product will be free from manufacturing defects, including rotting, swelling, de-lamination and damage from termites.

13) PARASISMIC CERTIFICATE

Certified Test Summary & Product Specifications in accordance with ASTM and UL Methods; including but not limited to AC308 Criteria, ICC-ES AC04 Criteria for Sandwich Panels, ASTM E 72 Criteria, and additional testing for specific criteria as warranted. Testing is completed through independent testing laboratories and the company.

#### 14) ANTI FLOODING CERTIFICATION

Certified Test Summary & Product Specifications in accordance with ASTM and UL Methods; including but not limited to AC386 Criteria, ICC-ES AC04 Criteria for Sandwich Panels, ASTM E 72 Criteria, and additional testing for specific criteria as warranted. Testing is completed through independent testing laboratories and the company.

#### 15) ANTI HURRICANE CERTIFICATION

Certified Test Summary & Product Specifications in accordance with ASTM and UL Methods; including but not limited to AC386 Criteria, ICC-ES AC04 Criteria for Sandwich Panels, ASTM E 72 Criteria, and additional testing for specific criteria as warranted. Testing is completed through independent testing laboratories and the company.