North American Housing Proposal

Amira Group Company
Government Scientific Source
QuickQuarters
D&D/Sigem



Amira Group is a Commonwealth of Virginia Chartered Company, with offices world-wide, and is primarily engaged in the:

- **Petroleum industry**
- Electrical power-generation industry, and
- World-wide housing industry.

Amira Group will provide the following services to this venture:

- **Marketing**
- **Financial consulting**
- **Contract negotiations**

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QuickQuarters is a Nevada corporation primarily engaged in:

- The R&D of permanent structures using SIP panel-construction
- The marketing representation for companies in the manufacturedmodular, HUD-coded, and panelized housing products for companies with annual sales from \$20M USD to \$500M USD
- The training and supervision of on-site erection processes
- The Exclusive Licensee for North America for D&D/Sigem (EU)

QuickQuarters will provide the following services to the venture:

- **Determination of suitable housing product(s)**
- Ensure applicable building code compliance in United Stats and Canada (all applicable building codes)
- Training and supervision of on-site erection process

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Scope of Work Contracting



Government Scientific Source (GSS) is a Commonwealth of Virginia Chartered company, is a small-business, Vietnam-era U.S. Government contractor, and is primarily engaged in:

- •The sale of equipment and consumables to federal, state, and municipal government entities
- •Offers the widest selection of products with most procurement channel options available in the chemical industry
- •Maintains GSA federal supply schedules for over 3M products, DAPA contracts, blanket purchase agreements, and "scope of work" contracts to facilitate procurement admin and compliance.

GSS will provide the following services to the venture:

- •Be the prime contracting party under either a blanket purchase agreement or scope of work contract
- •Provide the appropriate bonds and insurance certifications as required

Government Scientific Source

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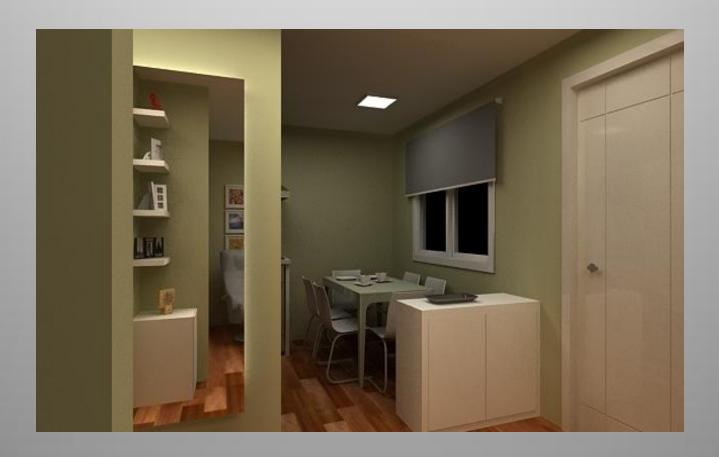
The Permanent Housing Solution The PHS-House by QQ/D&D

Houses of between 600 and 3000+ square feet Configured by the Customer



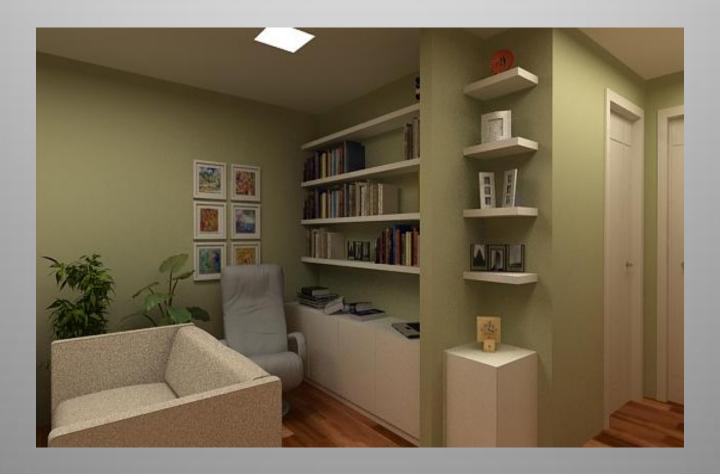
The Permanent Housing Solution

The PHS-House by QQ/D&D



The Permanent Housing Solution

The PHS-House by QQ/D&D



The Permanent Housing Solution The PHS-House by QQ/D&D



Housing Specifications The PHS-House by

QQ/D&D

Pictures		
General	This technical specification covers general and application-specific information for Sigem DAD modular permanent building. Units are provided in flat-pack form and installed at site. The units are made of heavy-duty sted structures and prefabric Structural Insulated Panel (SIP) modules. In most cases, the flat pack units are transported to site in 2014/01/SD containers for efficiency, security and lowest cost.	
Usage	Each building is a multi-purpose that can be used as a single or multi-level unit to salisty client requirements. Villas can be permanent or temporary for use in many applications (e.g., housing, offices, spartments, shownoms). Villas are conflict energy efficient, totally customizable and weather/diseaser resistant.	
Design Features	Structural Steel Frames	Each VIII is mainly made of different sizes of integrated steel box modules comprised of ST47 steel sheet and glate in different forms within the box modules. Beams, columns and chases are shaped from 34 mm thick reinforces disel sheet. Comers fittings are reinforced with 8-10 mm steel plate in order connect the rod (if used) into box modules and/or archor the module base into ground safely. Columns are fixed both to the ceiling and the base comer with boths. Each box modules can be lifted from the top comer fittings for ease of installation. Columns and modules are reinforced with triangle reinforcement plate and cross- Inited
	Snow load performance	170 kg/m²
	Wind load performance on wall	150 km/hr
		350 kalim²
	Floor Load performance	
	Wall insulation	R Value = R 28
	Roof insulation	R value = R-32
	Floor insulation	R value = R-18
	Length	11.40 m (see the options in drawings)
	Width	8.30 m (see the options in drawings)
Dimensions	Height (external)	5,96 m
	Height (internal)	5.10 m (2 story)
	Weight	22,300 kg - 89,200 kg as whole building
Floor	Steel Frames Structure & Panels	Different sizes and shaped outled ST 37 steel sheet welded to corner fittings of too modules and lateral bears make base farme. This farme is used as the mold for conent, which later makes the foundation of the building. Waterproof Hip Dearly Fiber (HDF) locate or creaming less are installed on the foor surface. The floor in the second story is SIP made of XPS sheathed with fiber cement board or plywood. HDF, kingli carpet or lifes are used as the floor surface in second story.
	Insulation	First floor HDF with 1 cm XPS, second floor SIP made of XPS and Fiber cement board/OSB/plywood on both sides
	Painting	Steel structure coated with rust resistant painting. Epoxy coat is used in wet areas.
	Lifting	The box modules have top comer-up lifting system.
Exterior wall Panel	Panel Thickness	Total 110 mm thick SIP panels. Over 110 mm is an option. 50 mm Francem (Insulated low weight cement)+ 50 mm EPS fram + 10 mm (foer cement loand as a lazade on the outer surface
	Stud	50x50 mm dried wood and or 50x50 steel rectangular profile as a stud
	Insulation Core Materials	50 mm trick rigid framcers (light weight residated concrete). A rate fire resistantant, 50 mm polysterer feam with 26-32 legim ² density DIN 4102 and 82 fire resistance class with R value-15.
	Construction	Wall panels ready to be fixed into steel structure. Panels are jointed and completed with dust and water proof rubber seals.
	Height of exterior wall	590mm at side 590 on too
Interior wall	Panel Thickness Insulation	60 mm EPS
		50mm foancem insulated light weight cement
	Interior surface (Sheathing)	10 mm drywall (Upon request MgO, fiber cement or compact laminate is available)
	Construction	4X4 studs attached to interior wall
Interior wall (Partition)	Panel Thickness	70-110 mm dry wall (Upon request MgO, fiber cement or compact laminate is available)
	Insulation	20 cm EPS and 50 mm Foamcem
	Interior surface (Sheathing)	Drywal
	Construction	Will install at site
Roof	Panel thickness	
	interior surface	0
	Insulation Core Materials	Foamcem, EPS , membrane
	Roof Steel Structure	Different size and shape curled ST-37 Steel sheet webled to corner blocks and lateral beams make celling steel structure. Flat roofing system on the celling will be used with a high insulation.
	Construction	Decorative panels are prepared in the factory to be installed on site.
Windows	Structure	Window frames are made of PVC. Windows are inward opening or upon request sliding. Windows can be furnished with socialed down blind or removable sliding insert screen.
	Glass	Sealed double-thermopaned glazed 4+4 mm thickness float glasses.
		Several types of windows are used in construction (e.g., 100x140, 140x140, 150x140, 210x140, 130x140, 70x140 cm).
	Dimension	

Housing SpecificationsThe PHS-House by

QQ/D&D

Wet Areas	Maliz	waierproof onywar, Ceramic de is option
WELAIEdS	Window	None air ventilation
Electric	Door	80x203 cm standard form. PVC door is option.
	General	Electrical system can be design and fitted according to destination country regulation.
	External connection	Provided by fixed plug and sockets, which are mounted to exterior panels and fixed to their supports in the unit. Consists of 1 male plug, 400 V, 3PH+N=G and 1 fixed socket 400 V 3 PH, +N+G, which is connected to panel boards by means of 5:6 mm² cable. Cables are positioned in trays on the ceiling and exit through the interior and exterior panels.
		Self-extinguishing, reinforced PVC board with protection rate IP 54 containing thermo magnetic circuits
		1 main differential 4x32 A, differential current 0.03 A
		1, 2x16 A for water heater line protection (if required)
	Distribution panel board	1, 2x16 A for HVAC line protection (if required)
		1, 2x16 A for service outlets line protection
		1, 2x16 A for Illumination and exhaust fan line protection
		1, 2 poles circuit breaker, setting on 4 to 6.3 V rating for pump feeding line protection
	Power distribution	Condults are on the tray and in self-actinguishing rigid PVC fixed to the walls and ceilings with self-laspring screws. Junction boxes and appliance housings are rigid PVC with an installation rating. All writing is in flexible multi-stand copper wires, installation with them retardent NID-VX type, Duct sections for panel board: 6.0 mm ² , for water header line 2.5 mm ² , for service outlets 2.5 mm ² for pump feeding line 2.5 mm ² for lighting and exacust fan 1.5 mm ² .
	Internal light fixture	1x/100w amp in each room
	External light fixture	Located over the main entrence—waterproof 18w
	Switch receptables	Each room has a switch operating internal lights and receptables (plug). Some rooms have data and TV Ines; well room has a switch for ventlantion,
	Water heater	Directly connected to panel board protected by its own thermocouple circuit breaker
	Exaust fan	Mounted in the totel section, provides air change 160 to 180 m²/hr
	Grounding	Metal shockure of the module is connected to the grounding system with a boit, which is placed on the gable side of the unit and marked with yellow achiesive grounding symbol. The main themo magnetic differential croust breaker disconnects all the electrical circuits in case the faut current is greater or equal to 0,004,00 m/d) as per CEI regulation for public rooms.
	HVAC	None
	Tellephone	None-option
	Data	None-option
	TV General	None-option
	Hot water	All components are watermarked according to AS 4000. Water pipes run through chassis and exit at specified points for design. PPRC pipe provided by Combi Systems
	Cold water	PPRC
	Waste water line	PPRC
Sanitary-Water	Grey water line	PPRC
	Heater Kitchen	Through Combi system Klothenette avalable at cost
	Toilet	Western type- PPRC pipe
	Shower	PPRC pipe. Acrylic shower cabin is available at cost.
Heating Cooling	A/C units	None
	Combi system	Heating will be provided by Natural Gas operated, wall mounted Combi system, which also provides hot water to the house.
Ventilation	Vent grid-exaust fan	Air circulation is provided with ventilating grid protected with fly screen either on window or lower part of the door or 15V exaust fan (Bathroom&Bedroom).
	General	Upon request all furniture and kitchen cabinet can be supplied.
	Kitchen Vanity with mirror	Al cost None
	Seater couch	None
Furniture	Cradenza for TV and general store	None
	Coffee table Expandable Table	None None
	Chairs	None
	Wardrobe	Mone
	Bed with mattress	None
	Fridge Cooktop	At cost.
	Rangehood	ALCOS
Appliances	Oven	At cost
	Washer &Dryer	At cost
	Hotwater Service (30 LT)	At cost
Marking		Each unit has an identification plate on the base profile, indicating model, manufacturer information, year of production and serial number.
Footer		None
Handbook		Assembling and disassembling instruction manual will be provided together with the unit.
		L aut
Technical Support	Spare part	Available

"A HOUSEIN 15 MINUTES,

A VILLAGE WITHIN ADAY"



C O M P A N Y P R O F I L E 2 0 1 2

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Partnering for success is the core value of D&D.

We carry out its operations through strategic allies which operate in a various of field according the business needs and geographic areas.

2012/Istanbul

D&D-FRB International is a worldwide organization dedicated to helping bring safe, secure and comfortable accommodation and fully integrated social infrastructure in the simplest, fasted and most economic way possible. We do this ensuring the least environmental impact.

One of the key factors to our success over the last years has been our reputation for integrity and fair dealings.

At D&D we know that satisfied customers are the keystones to every company's success. That is exactly our goal with every customer. All the people working here at D&D consider the company a personal investment and will go out of their way to deliver you the best solution they can as they take pride in their jobs. We try to deliver a top quality building at a very competitive price.

The main manufacturing facility is located close to the port in Istanbul-Turkey,

where rapid deployable, pre-engineered, modular mobile buildings, containerized permanent building and shelters, are produced using state-of-the-art technology.

Our reputation continues to be one of our most valuable assets as we look forward to our next businesses.



Sabri Dogar Chairman and CEO



CORPORATE

Company Profile

D&D-FRB Construction, Industry And Trade Inc., has been a leading producer of prefabricated buildings to the market since its founding in 2005.

Servicing areas as divers as Humanitarian Aid, Disaster Relief, Education, Health, Military and Governmental sectors, Construction, Exploration, and Client Rapid Response needs.

D&D has gained a reputation as a leader in the **Design**, **Production**, **Supply** and **Installation** of structures to clients and customers in Global Markets.

D&D provides a complete and professional service, ranging from custom designed and built buildings, to standardized modular structures.

The capability, knowledge, experience and expertise to manufacture and supply prefabricated solutions and full turn-key operations, in respect of production schedules with attention to detail makes D&D a world leader in its market place.

Buildings can be delivered to any location in either a "Knocked Down" flat packed format or in a panelized format, thereby reducing volumetric transportation volumes and ensuring that client requirements are met within the allocated budgets.





PURE NECESSITY

When it comes to housing needs D&D's experience, expertise, industry-leading design phase services, and ability to self-perform a majority of the work are second to none.

And ... we'll even build all the major living environment means required if you need that, too.



Mission

It is our mission to be a leading manufacturer / full turn key project contractor, ensuring customer expectations are not only met but exceeded. We hold dear the value of mutual beneficial client and supplier relationships, ensuring successful and enduring partnerships.

We are committed to the Health, Safety and continual Education of all our employees encouraging the continual growth within all our stakeholders.

D&D is aspiring to be the most respected prefabricated builder, renowned for:

- □ excellence
- □ leadership
- □ unsurpassed value
- ☐ innovative solutions
- E developing self-sufficient living environment



Code Of Conduct

D&D conducts its business with integrity and respect for candidness, truthfulness and high standards of business ethics and requires that its employees and all business partners adhere to these high standards. All employees of D&D's independent operating companies, including directors and officers, must fulfill their responsibilities with honesty and integrity and must comply with all

Perfect Buildings

- Prefabricated buildings tend to be more affordable and more versatile than traditional construction.
- Modular buildings can be manufactured at several sizes, to many specifications and using a variety of building materials.
- Modular offices are just the beginning; prefabricated buildings include modular homes, modular furniture and more.
- · Modular Permanent Houses/villas
- · Re-Locatable containerized buildings





Core Values

Honesty

• We are open, candid and truthful.

Integrity

- Our word is our bond. We do what we say.
- We live up to the highest standards of fairness and ethical behaviour.

Respect

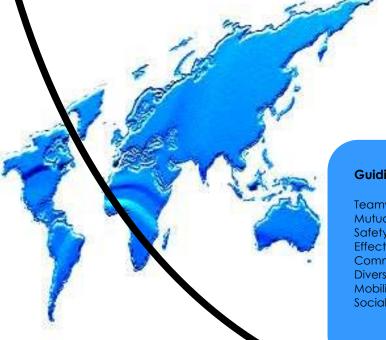
- We work hard to earn our business partners' trust and respect on every project we undertake.
- We are all responsible for building and protecting our reputation as the manufacturer and contractor of choice.

Dynamic Culture

• We constantly seek new opportunities to learn, to improve, to teach and to add value.

Passion

- We love what we do.
- We take the lead, and we lead by example.



Guiding Principles

Teamwork,
Mutual Obligation,
Safety,
Effective
Communication,
Diversity,
Mobility
Social Responsibility.



Certifications

The Design, Production and Management process are closely monitored according to the requirement of ISO 9001:2000 of which D&D is an accredited member.





Services





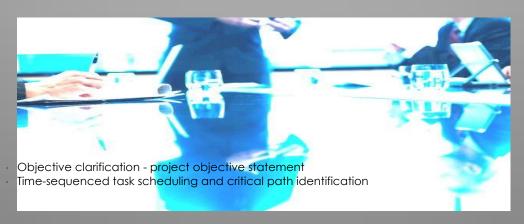


Installation

We undertake projects from a simple module installation to complete turnkey operations for major companies and organizations operating in remote site, completing them on time, within budget and monitoring every phase with the assistance of one of our specially assigned project team



Project management





- Controls for facilitating communication; risk/issue management;
 quality management; performance management; scope, schedule and cost control
- Project coordination, project and team collaboration; task monitoring; resource allocation; time/performance reporting
- · Measuring project performance and evaluating business value accurately
- · Quality Control reviews for milestone/deliverable completion and acceptance
- · Client Communication Management: Update and report at all the phases of the project

THE CONCEPT "FAST RESPONSE BUILDINGS " (FRB)

The D&D concept is designed to simplify and speed up the response to an immediate need for safe, comfortable and secure accommodation for shelter, worker accommodation, administration buildings, schools, laboratories, training rooms, toilet and shower units, clean water units, safe and secure storage buildings and many other uses.

D&D's rapidly deployable FRB's (Fast Response Buildings) are only a part of the D&D-FRB offering. The company partners with Best In Class companies in their specialized fields to offer a total, integrated community concept.

This cost effective pre-storage of these flat pack building units enables fast, effective response to unexpected or planned situations eg. natural disasters, conflicts, re-settlements, military humanitarian camps ,exploration and construction projects, exhibitions and special events – in fact any situation requiring rapid implementation, decommissioning repositioning and reconfiguration of the building scheme.

D&D with highly experienced strategist and skilled technical personnel has created a concept called "A house in 15 minutes a village within a day " and developed DRB and FRB units for this purpose which are more flexible and effective than the tents and container shelters







A HOUSE IN 15 MINUTES

A VILLAGE WITHIN A DAY



BENEFITS AND FEATURES

- · Strong, secure, durable and low maintenance.
- · High insulation adds comfort in cold and warm climates
 - Electricity and wiring connected in minutes
- Heating, ventilation, air conditioning readily available
- Living quarter, kitchen and toilet/shower accessories readily available
- Multi-purpose. The units are quickly taken down and re-deployed in a new area
- Components are unaffected by weather conditions. Good for 10 years.





BENEFITS OF DEPLOYING FRB's

- ☐ **Extremely fast:** Deployed in 15 minutes with a team of 4.
- ☐ **Simple design** offers only a few parts for assembly;
- □ No screws, nuts, bolts or special tools required.
- Little or no site/ground preparation required. No impact on local environment
- ☐ **Untrained labors quickly construct** the units with little supervision
- □ **Modular flexible design**. Buildings are easily extended and reconfigured
- □ Most cost effective
- ☐ **Reusable -**Units can be re-used many times.
- ☐ **Highest efficiency** of transport and logistics
- E No waste



D&D-FRB Inc. is also providing "**Fast Response Village/ Camp**"with all necessary support facilities a turn-key rapid and effective response to natural disasters, conflicts, civilian emergencies, reconstruction and development programs and any situation requiring immediate management of human flows and safe storage.





D&D's durable and multi purpose units are simple, reliable, robust, high quality products you can rely on. They are designed for the harshest field and climate conditions, extremes of heat, cold and wind, can be deployed at any elevation and terrain for almost any civilian or storage purpose.

Materials

Floor base, walls, and roof are constructed with state-of-the-art **structural insulated composite panels** (SIPS) and insulated sandwich panels

These high strength; low weight elements allow the fast construction of buildings that combine; personal security, privacy and comfort with lightness, durability and low maintenance. The SIPS are manufactured using tensioned steel structurally bonded to high performance

Styrofoam® extruded insulation or Polyurethane foam.

The frames are high quality painted or galvanized, high strength and stressed steel.

We aimed to develop a shelter/building concept to cover all the phases of disasters globally, and bring the life back for the victims as soon as possible



D&D-FRB PRODUCT PORTFOLIO

SHELTERS

DRB
(Disaster Response Buildings)



















CLU (Containerized Living Units)



SHELL-TENT







MODULAR BUILDINGS

RLB (Re-locatable Buildings)







MPB (Multipurpose buildings)





CDB (Custom Design Buldings)





TURN KEY CAMPB

MILITARY
HUMANITARIAN
RESETTLEMENT
EXPLORATION
REFUGEE





STRUCTURAL STEEL BUILDINGS

POST DISASTER /
PERMANENT BUILDINGS
(PDPB)































PAST PERFORMANCE

Client Project name : IOM – 3 Disaster Village

Scope of work: 180 House

Location : Nias Bland-Sumatra INDONESIA

Type of work –Role : Prime Contractor- DMB

Value of work : 1.300.000 USD

Date of work ; Sept-December 2006



Client Project name : EODT Rusafa military camp Scope of work : 700 man turnkey all facility

Location : IRAQ

Type of work –Role : Prime contractor DMB

Value of work : 5.300.000 \$

Date of work ; 16 june -2 Sept 2008



Client Project name : USG-CMSS Military Camp Location : Sharana AFGHANISTAN

Type of work –Role : Prime Contractor-Team Member

Value of work : 16.000.000 \$

Date of work ; 22 Sept 2008-1 may 2009



Client Project name : LHA Disaster Village Location : Urfa-Van -Turkey

Type of work –Role : Prime Contractor-DMB

Value of work : 2.500.000 \$

Date of work :



Project name : Dubai Cares. IOM Schools Location : Djibouti- Gazza , Pakistan Type of work –Role : Prime Contractor DMB

Value of work : 2.100.000 USD Date of work ; 10 Feb 2010-





Client Project name : USACE - USG

Location : Al Dujayl-Tuz, IRAQ

Type of work –Role : Contractor DMB Firm Fix Price

Value of work : 500.000\$ + 4.000.000\$

Date of work ; 22 Nov 2010- 2 Jan 2011- 2011



SOLUTIONS PARTNERS

We developed a business partnership for specific needs regarding our project solutions in the following fields:

- ☐ Life Support
- □ Energy
- ☐ Water treatment
- ☐ Waste Management
- □ Transportation
- ☐ Telecommunications S















Together, the D&D-FRB concept will improve the way you achieve your project goals SPEED, EASE, COST and SOCIAL IMPACT



VALUE PROPOSITION







D&D-FRB promises the following:

- Lowest logistics usage and costs,
- Fastest possible deployment and decommissioning,
- Easiest possible construction,
- Virtually no ground preparation or slab required only ground clearance
- Lowest on-site and total project management cost
- No waste no local environmental impact and lowest total carbon footprint
- All units can be taken down and redeployed and re-configured many times over

Nothing is discarded



FACTORY CAPACITY AND CONTACT

CAPACITY







4.000 m2 covered ,7000 m2 external 2mir, 6000 m2 covered 10000 m2 external Adana

60-120 workers 30 X 12 m2 DRB-FRB units/day 20 X 12 m2 Containerized units/day 5 x 100 m2 permanent homes/day

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Pricing Information

The PHS House by Qq-D&D

- Housing Cost: The standard houses are priced ex-factory at between \$80 and \$95 per square foot, depending on customer needs, location, and applicable building codes. Houses are manufactured at facility in Europe; orders of sufficient quantity will be manufactured in United States or Canada.
- <u>Transportation</u>: All houses are shipped flat on pallets by either truck or rail, and can be flat-packed into containers. Cost of transport varies by destination.
- <u>Infrastructure</u>: The houses are erected on customer-provided cement slabs, and connected to customer-provided utility connections, all to manufacturer's specifications and plans. The Venture can provide the necessary infrastructure at additional cost by subcontract with licensed and mutually approved builder.
- <u>Assembly/Erection</u>: The Venture will provide training of customer provided assembly crews, on-site supervision at additional cost, and/or provide the necessary assembly/erection crews at additional cost. Erection process will result in issuance of appropriate certificates of occupancy in the local area.

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