

Project SIP PANEL Overview

PURPOSE: The purpose of the Project Summary is to present a concise overview of the following documents that define the attached proposal by, (PII)

Document #1 – Corporate Summary

Document #2 – Scope of the Project

Document #3 – Planning

Document #4 – Deliverables

Document #5 – Financing Options

DOCUMENT OVERVIEW:

- **Document #1** - The “*Corporate Summary*” provides a brief explanation of PII’s willingness to cooperate with Corporate and Government entities outside the continental United States. This document highlights PII’S methodology for the transfer of technology to improvement the quality of life for indigenous personnel while creating a financially sound, housing construction industry. Please see PII and EBI Corporate information Addendum A1
- **Document #2** - The “*Scope of the Project*” outlines the steps in PII’S Strategic Initiatives” that are necessary to create a fully developed, sustainable, and profitable economic enterprise based on the manufacture, distribution, and construction of “Structural Insulated Panels,” (SIPs). Addition to specifying the five major components of the project, this document outlines the “Goals and Objectives” of the “Team” that will consist of PII and its affiliates and/or joint venture partners.

When implemented, the PII project will result in the creation of six distinct major economic enterprises:

Enterprise #1: A “*Structural Insulated Panel (SIP) Manufacturing Plant,*” 0

Enterprise #2: An “*Expanded Poly Styrene (EPS) Production Facility,*” 0

Enterprise #3: A “*SIPs Training and Certification Institute*” for indigenous personnel 0

Enterprise #4: A “*SIPs Products Marketing and Distribution Center,*” 0

Enterprise #5: A “*Fiber Cement Board Manufacturing Plant,*” and a 0

Enterprise #6: “*Community Development Construction Corporation.*”

- **Document #3** - The “*Planning*” document covers the SIPs manufacturing, training, and distribution facilities as identified as through #5, above. Enterprises #

An important part of the intended project is the prior planning that must be accomplished before the creation of any of the five major economic enterprises. There are two aspects of planning; prior planning and dynamic planning: 0

“*Prior Planning*” is required to identify and quantify available human and natural resources to help fill in the detail for all “Short-Term” and “Long-Term” goals to complete the project, and= 0

“*Dynamic Planning*” is planning that continues throughout the implementation of the project to address situations that are sure to impact any large-scale community development project as events unfold.

THE IMPORTANCE OF PRIOR PLANNING CANNOT BE OVERSTRESSED!

“*Prior Planning*” is an absolute necessity that every contractor and government agency comprehends. As much as fifteen- to twenty percent (15% to 20%) of the total cost of a community development project can legitimately be consumed in the prior planning process to ensure a satisfactory outcome.

The identification and quantification of the available resources is a necessary part of prior planning and shall be accomplished by on-site assessments. The results of those assessments provide the data for the methodology used by PII’S community planning specialists.

As identified in this document, planning considers many disparate, but important, factors including, but not limited to, cultural, educational, governmental, political, and technical, etc.

“*Dynamic Planning*” is a standard tool to be used by PII managers in guiding the overall progress of the project to ensure a timely completion and the effective and efficient use of resources and application of technology.

While the cost of “*Dynamic Planning*” is included in the operational funding of the project, the cost of “*Prior Planning*” must be identified, allocated for, and expended judiciously and effectively before any project construction commences.

• **Document #4** – The “*Deliverables*” under PII’S proposed project consist of both “*Tangible*” and “*Intangible*” assets.

On the “*Tangible*” assets list are physical manufacturing facilities or plants for the production of SIPs-based products and those products such as Expanded Poly Styrene (EPS) and Fiber Cement Board (FCB) products that are integral to the panel construction process while each such plant can also be a separate revenue source. In addition to the manufacture of materials to be used in the housing and/or light commercial construction industry, the most visible of the tangible assets will be the finished product, the superior built, affordable homes, and the planned community to which they will belong.

On the “*Intangible*” assets list are such things as those non-physical items involved in the technology transfer, hands-on training, certification, and counseling processes. Various skill sets will be made available to employees in the areas of facility administration, plant management, equipment operation, tool safety and use, marketing, sales, etc.

This document contains cost estimates for each of the major deliverables, tangible, and intangible. At this time, because there are a large number of unknowns prior to the conduct of the proposed on-site assessments, the total project cost estimates have a wide range. The total project cost estimate is between \$157,333,333 and \$192,600,000 United States Dollars (USD).

This rather wide range in the community development cost estimate allows for the unknown costs in human and natural resources. While it also allows for limited currency inflation, that allowance is only for the near-term since long term inflationary pressures are not predictable.

• **Document #5** – “Financing Options” discusses PII’S unique approach to financing through their creation of a “New Financial Development Plan” (NFDP).

Each of the five documents cited in this overview have equal importance and interact in a synergistic manner. However, this document warrants the close attention of all parties involved because of its key role in financing the project. The financing options are real, not theoretical; they are obtainable, but only with a process that assures the investor of the certitude of the envisioned project, while protecting the investment by evidencing effective and efficient project management and fiscal responsibility. The methodology contained in PII’S NFDP was developed specifically to address these issues to the satisfaction of its financial backers.

In this regard, the NFDP was created to meet the stringent funding requirements of the Organization of Private Investors Corporation (OPIC) and the Export-Import Bank (ExIm Bank), as well as other financial institutions that have the capability to adequately fund community development projects of the size and scope anticipated by PII and its affiliate, SENAI International, a non-profit organization certified under section 501(c) 3 of the US Internal Revenue Service (IRS) taxation code.

Additionally, PII personnel modeled the NFDP after one of the most successful financial programs ever initiated by any country, the “Marshall Plan.” This plan provided for the successful development of shattered economies and struggling employment problems in a number of countries after the vast destruction brought about by World War II.

Basically, the plan works to create a number of businesses related to the housing industry by training indigenous personnel and, thereby, developing a country’s “Human Capital” as well. PII’S plan is to stimulate the economy while boosting the self-esteem and morale of the population by training people to successfully manage their own economic enterprises and to take part in the redevelopment of their homelands through the construction of superior, affordable housing and light commercial buildings.

PII’S NFDP is of a proprietary nature, so, naturally, what is presented is only an outline of the actual NFDP. The completed document is made possible by the incorporation of intelligent assessments of the availability of natural and human resources and through thorough planning by PII’S experienced community development experts.

Indeed, the NFDP is “risk management oriented,” and consists of four principal phases: More important than the methodology outlined in Document #5 is the fact that the NFDP serves as a teaching tool to assist PII professionals in training indigenous personnel the skills necessary to bring clarity to their respective aims, goals, missions, and/or objectives in their individual lives.

- 0 Phase I: Due Diligence and Discovery,
- 0 Phase II: Business Plan, 0
- Phase III: Project Financing,
- and 0 Phase IV: Project Development.

Corporate Summary: PROMOLONT International's (PII) purpose is to introduce structural insulated panel technology to developing Countries throughout the world. By transferring both technology and skill sets in an effort to give developing Countries the ability to build affordable housing at a rapid rate. Beyond affordable housing it is our objective to use this technology and the necessary supporting technologies to build sustainable communities and to pay wages so that the people building these homes can afford to live in them. Through a collaborative effort with a government sector, a private sector, and non-profit sector we can achieve all the goals and objectives for a new sustainable, and repeatable, development model that can be an example to all of and perhaps the rest of the world. PII'S technology holds the potential to start developing the Human Capital of Your Country and significantly improve the current housing shortage.

We, at PII, believe in the transfer of technology and skill sets to an indigenous work force to assist in the development of human capital while, at the same time, contributing substantially to social welfare by providing a methodology for construction of superior built, affordable residential units with adequate services such as electricity, sewage treatment and clean water.

PII proposes a technology transfer program that will result in a trained and equipped local work force that can manufacture the building products and construct thousands of homes in Your Country. Our plan is to build a structural insulated panel (SIP) manufacturing facility near the city of Dares Salam that will start with a 20% production capability and grow to 100% capacity within 18-months. This planned rate of growth ensures the timely introduction of SIPs-based products into the residential construction industry. This rate is commensurate with the training and certification of an adequate number of six-person installation crews per month (one leader and five installers per crew), that will be required to meet Your Country's housing demand.

Once the SIPs manufacturing facility is in full production, it will be possible to train and certify up to ten six-person residential installation crews per month. This growth rate results in an annual introduction of over 1,080 trained laborers into Your Country's middle class social structure.

At full production, a one-cell SIPs manufacturing facility can produce sufficient number of SIPs products to construct up to 2,400 moderately sized residential units per year. This is enough to fully employ all of the 180 installation crews to be trained and certified by PII during the 18-month work-up phase. A two-cell, Sip's manufacturing facility can double the amount of material produced for residential construction.

In addition to training and certifying Your Country citizens in the construction of SIPS-based homes, PII strives to make those same homes affordable to the manufacturing facility's employees and to the housing construction industry workers. This philosophy is similar to that of Mr. Henry Ford who paid his employees enough to ensure they could afford to purchase the automobiles they built, and his vision helped create America's middle class. A sizeable middle class helps stabilize governments and their economies.

PII'S efforts in the development of human capital cannot be accomplished alone; however, their unique manufacturing philosophy can be a model for others to follow and put into practice. Scope of the Project The project will consist of six major components.

- PII STRUCTURAL INSULATED PANEL MANUFACTURING FACILITY

- PII EXPANDED POLYSTYRENE FACILITY
- PII TRAINING FACILITY
- PII DISTRIBUTION FACILITY
- PII FIBER CEMENT MANUFACTURING PLANT
- 1000 HOMES built to temporarily house displaced indigenous people while a planned community is built in the area they just moved out of.

STRATEGIC INITIATIVES the Structural Insulated Panel (SIP) Implementation Triangle

- Introduce the Structural Insulated Panel (SIP) Technology in Your Country,
- Support the SIPs Technology through a definitive Infrastructure
- Finance the SIPs Manufacturing & Technology Infrastructure

As is well understood, when a triangle is composed of three strong legs, the triangle itself is rigid and strong. Likewise, each of the above three facets of the SIPs manufacturing process, when fully developed, provide a strong “triangle” for a sustainable and profitable Sip’s manufacturing, construction, and employment business.

GOALS & OBJECTIVES Goals: In this document, a “Goal” is defined as an ultimate ambition or aim of the company or organization, such as “To be the leader in the introduction of Structural Insulated Panels (SIPs) into the building industry,” or “To become the major supplier of building supplies for floors, walls, ceilings, and roofs,” etc. There are, further, two levels of goals, short-term (less than five years), and long-term (more than five years).

SHORT-TERM GOALS: Less than five years.

SHORT-TERM GOAL #1 – Manufacture SIPs products in Your Country for housing construction

SHORT-TERM GOAL #2 – Develop an in-house, Expanded Polystyrene (EPS) capability as a second revenue source or profit center
SHORT-TERM GOAL #3 – Create a SIPs Certification Training Center & Develop the SIPs Curriculum and Training Program

SHORT-TERM GOAL #4 – Create a SIPs Housing Design Training Center & Program

SHORT-TERM GOAL #5 – Establish Distribution Centers in each economic area in to distribute Sip’s products, EPS products, Sip’s installation tools and other products

SHORT-TERM GOAL #6 – Create a Your Country SIPs Association (_SIPA) of Certified SIPs Installers & Contractors

SHORT-TERM GOAL #7 – Expand the SIPs and EPS marketing into joint US & Military bases

LONG-TERM GOALS: LONGER THAN FIVE YEARS.

LONG-TERM GOAL #1 – Dominate the SIPs manufacturing market in Your Country

LONG-TERM GOAL #2 – Provide SIPs products to surrounding countries

LONG -TERM GOAL #3 – Provide SIPs Certification and Housing Design Training to adjoining countries

Objectives: In this document, an “Objective” is defined as a step required attaining a “Goal.” For instance, in order to attain the goal of being the primary source of SIPs in Your Country, one must first accomplish a number of steps or objectives such as obtaining a facility, equipment, technology, and raw materials for manufacturing.

OBJECTIVES FOR SHORT-TERM GOALS

OBJECTIVES FOR SHORT-TERM GOAL #1 [Manufacture SIPs products for housing construction – The following list is not necessarily in the order of priority]

- Form a joint venture between and , (PII)
- Develop a joint venture business plan with necessary financial documents to apply for and obtain a business loan from one or more of the following: private banks, US Agencies, European Union (EU) Agencies, and/or banks by leveraging present available, guaranteed funds
- Obtain deeds or title to enough land that is suitable for the construction of a SIPs manufacturing facility and has sufficient room for future growth over the next ten years and do likewise for construction and/or preparation of a separate facility to produce Expanded Polystyrene (EPS) in the sizes required for constructing SIPs
- Construct a SIPs Facility or acquire a suitable commercial building to do so
- Ship the SIPs manufacturing equipment, tools, documentation, and ancillary equipment from the United States to a port, for transport to the facility site
- Construct or otherwise prepare the SIPs plant for operation
- Stock sufficient inventory of raw materials for building SIPs
- Provide necessary plant operation documentation
- Establish a Human Resources Department for screening and hiring suitable personnel for all the SIPs facility personnel (Management, Administration, Production, Marketing, Sales, and Quality Assurance Departments)
- Develop and distribute Employee/Manager Policy & Procedure Manuals
- Provide separate training for Management, Administration, Production, Marketing, Sales, and Quality Assurance Department personnel in the SIPs Certification Training Center classrooms for subject matter instruction and on-site for hands-on training
- Provide necessary computer hardware and software training at both the SIPs Training Center and on-site
- Have the Human Resources Office personnel develop and distribute Employee Benefits Handbooks and explain employee benefits in a one-day course, to be taught at the SIPs Training Center
- Provide necessary computer hardware and software training to appropriate personnel in each department (Management, Administration, Production, Marketing, Sales, and Quality Assurance)
- Establish a Quality Assurance Program and provide requisite documentation
- Commence on-site training of plant administration, management, production, and Quality Assurance Program personnel

- Prepare suitable locations for the construction of Showcase SIPs homes and/or negotiate with local government officials to develop a US-style housing development of all-SIPs built homes with pre-formed curbs, streets, utilities (i.e., sewer, water, electricity, and telephone service)
- Commence construction of SIPs-designed showcase homes using trainees from the SIPs Training Center, as guided by supervisors from and instructors from the PII-run Training Center

NOTE 1: Management will consist of the SIPs Facility Plant Manager and Staff. Since PII and will form a Joint Venture, there will be a SIPS Manufacturing Board of Directors. That Board will be comprised of members appointed by mutual agreement between PII and management.

OBJECTIVES FOR SHORT-TERM GOAL #2 [Develop an in-house, Expanded Polystyrene (EPS) capability as a second, but separate revenue source or profit center. The following list is not necessarily in the order of priority] •

Contract with EPS raw material supplier and stock supplies for expanding the raw material into suitably sized foam sheets for Sip's manufacture

- Formalize a working relationship between the two separate manufacturing sites, SIPs, and EPS since they will be separate profit centers with individual income streams (i.e., the SIPs plant becomes a major customer of the EPS plant)
- Construct or otherwise prepare the EPS plant for operation
- Develop the requisite documentation for plant operation
- Conduct necessary on-site training in EPS production
- Conduct necessary on-site training in Quality Assurance

OBJECTIVES FOR SHORT-TERM GOAL #3

[Create a SIPs Certification Training Center & Develop the SIPs Curriculum and Training Program. The following list is not necessarily in the order of priority] NOTE 2: All SIPs Certification is retained by PII as long as the SIPs manufacturer is in a joint venture with PII, or the SIPs manufacturer has a license through PII. This process is followed closely to guarantee continued high levels of quality control, product manufacture standardization, and to maintain the warranty of the SIPs products.

• Four training courses will be offered at the SIPs Certification Training Center: -Course 1: Instructor Training Course for the SIPs Installation Certification Course -Course 2: Instructor Training Course for the SIPs Housing Design Certification Course -Course 3: SIPs Installation Certification Course -Course 4: SIPs Housing Design Certification Course

- Organization, in coordination with PII, will construct or otherwise refurbish a suitable building for SIPs Installation Certification and SIPs Housing Design Training to be provided by Instructors selected by PII personnel in concert with Human Resource Office and supervised by PII
- PII Develop the SIPs Curriculum, Instructor Manuals, Trainee Handbooks and Training materials, and the Training Program for all four SIPs Training Center courses and a Policy and Procedures Manual for operating the Center
- • Coordinate with the SIPs Facility's Human Resources Office for the hiring of the Training Center's instructors and administrative personnel NOTE 3: Although the resources of the SIPs Facility Human Resources Offices are used by the Training Center, the Training Center will budget and reimburse the SIPs

Facility for such services since the Training Center is operated as a separate revenue center by PII • PII personnel coordinate the development of a SIPs Training Instructor's position description with SIPs Facility's Human Resources Office

- PII Develop and implement a two-week, SIPs Instructor Training and Certification Course, to include Instructor Training Manuals, Student Instructor Handbooks, Tests, and basic instruction in computer software such as word processing and spreadsheets for record keeping purposes
- PII commence training the first SIPs Training Instructor class (future classes to be determined by need) • PII commence on-site training of Personnel in the total operation of the SIPs facility
- PII begin on-site training of and/or contractor personnel at the Training Center in SIPs installation techniques
- PII Assemble and train the SIPs Marketing and Sales Teams and commence a public relations campaign to line up potential Sip's contractors

OBJECTIVES FOR SHORT-TERM GOAL #4 [Create a SIPs Housing Design Training Center & Program. The following list is not necessarily in the order of priority]

NOTE 5: The SIPs Housing Design training will also take place within the facility set aside for the SIPs Installation Certification Training because some of the instructors provide training in both disciplines.

PII shall:

- Develop SIPs Housing Design training curriculum, training manuals, and instructor materials to teach the Housing Design course
- Design the candidate application forms to include a series of questions to pre-qualify the candidates and to determine the candidate's educational background and experience with computer software programs for word processing, spreadsheets, and design such as AutoCAD™
- Coordinate with the SIPs manufacturing facility's Human Resources Office for the development of Instructor Position descriptions for interviewing and hiring SIPs Housing Design Instructors
- Produce a special certificate for SIPs Housing Design certification
- Provide all successful graduate designers with an application to join the SIPs Association (RSIPA) and coordinate graduate records with the Association
- Coordinate with the SIPs Facility Human Resource Office for the development of position descriptions and hiring of the SIPs Training Center's administrative personnel

NOTE 6: The SIPs Association (_SIPA) will be an organization formed by , under rules and regulations, for the purpose of promoting SIPs use in building production, educating the public and building contractors, and helping to maintain the standards of the SIPs production and construction businesses.

OBJECTIVES FOR SHORT-TERM GOAL #5 [Establish Retail Stores in, to distribute Sip's products, EPS products, Sip's installation tools and other products]

- Conduct a Site Assessment for each proposed Retail Store, whether already existing or proposed for construction and/or retrofitting
- Develop individual store plans for inventory, office furniture, equipment, management, employment, and computer software training to integrate SIPs Certification Training

OBJECTIVES FOR SHORT-TERM GOAL #6

[Create a SIPs Association (_SIPA) of Certified SIPs Installers &

Contractors. The following list is not necessarily in the order of priority]

- Establish the Association through the proper Government channels
 - Fund a small, independent office with at least one person to handle applications, registration, record keeping, and verification of valid Sip's installation training or Sip's design certification and membership when requested
 - The _SIPA office may be co-located in the SIPs Training Center
 - Provide training to the _SIPA person in regard to the work required to maintain the records, coordinate the exchange of certificate information with retailers, manufacturers, and contractors, and publish a SIPs Newsletter via a SIPs web site
- OBJECTIVES FOR LONG-TERM GOALS:

OBJECTIVES FOR LONG-TERM GOAL #1 [Dominate the SIPs manufacturing market]

- Be the first, certified Sip's manufacturing facility in
- Set up a dozen or so Retail Distribution Centers throughout
- Establish a SIPs Certification Training Center to maintain Sip's standardization
- Co-Locate a SIPs Association (_SIPA) with the SIPs Certification Training Center to promote Sip's products, techniques, and education

OBJECTIVES FOR LONG-TERM GOAL #2 [Provide Sip's products to surrounding countries]

- In concert with the SIPs Training Center, offer contractor training to surrounding countries
- Expand _SIPA membership to include SIPs certified personnel from surrounding countries
- Host an annual trade show or convention of SIPs Contractors with guest speakers, product displays, and convention seminars and/or training courses
- Establish SIPs distribution centers in surrounding countries
- Distribute _SIPA brochures, printed materials and/or advertisements for Sip's construction technologies to surrounding countries

OBJECTIVES FOR LONG-TERM GOAL #3 [Provide SIPs Certification and Housing Design Training to adjoining countries]

- Expand _SIPA chapters into surrounding countries to promote the need for SIPs Certification and Training to maintain high standards of construction
- Invite Building Design Personnel to attend the Housing Design Training at the Romanian SIPs Certification Training Center
- Ensure graduates of the Certification Training Center become members of _SIPA
- Together with PII, can offer joint-venture teaming arrangements with construction contractors in surrounding countries to establish additional Sip's manufacturing facilities, create other, parallel, certification training centers, and SIPA branch associations

Planning -Manufacturing, Training and Distribution Facilities an On-Site Analysis is required to provide the specifics for a contract for the purchase of a PROMOLONT International, Inc.(PII) Structural Insulated Panel (SIP) Package. The following topics influence the scale of the project and need to be addressed.

DISCLAIMER: ANY OFFERING BY PII IS SUBJECT TO THE ACCURACY OF INFORMATION AND FACTS PROVIDED BY BUYER TO PII

- 1 Client's Goals and Objectives, it is important to understand the client's goals and objectives as well as all aspects of the country's infrastructure and capabilities. This is an effort to dovetail the client's goals, objectives, and expectations with PII'S ability to meet or exceed the client's expectations based on the realities on the ground. If the client's goals, objectives, and expectations exceed the country's infrastructure capacity within the limits of the infrastructure, PII will assist the client in developing achievable goals and objectives. Additionally, PII will assist the client in developing a long-term incremental process for achieving both the client's initial and long-term goals and objectives as their infrastructure dictates.
- 2 Political Influence PII'S ability to work in concert with the client and the government is essential to deliver a successful project. A thorough understanding of the government's political process and long-term stability is vital to the success of the project.
- 3 Governmental Requirements All duties, taxes and fees need to be determined in the analysis phase as such costs directly affects the delivered price of the PII SIP package price. PII normally ships freight FOB port of departure.
- 4 Cultural Customs Cultural customs, religion, language, gestures, cultural norms, and taboos need to be identified during the analysis phase so that prior to the implementation phase PII personnel can be instructed and sensitized to understanding the cultural issues. Such an understanding will assure the implementation phase is a positive experience for all those involved.
5. Infrastructure Restraints and Benefits The country's infrastructure is essential to delivering a successful project. Ports, roads, electricity, and rail all influence what can be achieved relative to the client's goals and objectives and greatly affect the cost of the PII SIPs package.
6. Transportation issues regarding PII'S initial and ongoing deliverables required for the production process and the transportation of the finished product to the building site are all vital factors in determining the feasibility and cost of the project.
7. Country Specific Legal Issues Country specific legal issues need to be identified and addressed during the analysis phase. This will ensure both PII and the client are proceeding in a legal and ethical manner specific to the country.
8. Security in regard to personnel, equipment deliverables and storage will be addressed. Raw materials, transportation, and storage security plans need to be identified. Plant specific security issues will also be addressed during the analysis phase determining requirement, availability, and cost.

9. Raw Material Availability Determining the raw material availability, quantity, distance from the production facility, price, and quality will be determined and analyzed during the analysis phase. This information is essential in determining the number of technologies required in the startup portion of the project as well as its long-term viability.
10. Build or Retrofitting The analysis process will determine whether building a new facility or retrofitting an existing one will best meet the project requirements. Estimating the cost will aid the client in projecting the overall cost.
11. Market Identification Analysis Identifying potential additional markets for excess panel production is part of the process.
12. Local Availability Certain products and equipment required in both the production and installation of the final PII SIPs package may be locally available as well as preferable to the client. Determining this availability during the analysis phase helps to develop what portion of the package will be shipped in and what portion of the package may be purchased locally. (Forklifts would be one example)
13. Building Code Standards Local quality standards for residential home construction need to be understood. PII generally builds to 2007 through 2013 International Building Code.
14. Educational Analysis Local educational capabilities need to be understood to access the supply of an educated labor pool for both the production and installation processes and to increase the country's social capital.
15. Technical and Computer Analysis Technical and computer sophistication evaluation is directed at determining what level of expertise exists locally and is available to meet the project needs.
16. Analysis of Competition Local building companies, their activity and their technology will need to be researched and evaluated to determine what portion of the housing market one can hope to access based on projected building needs.
17. Communication: The following communication venues will need to be explored to assist in planning for building, transportation, research, and correspondence:
 - Phone: cellular, land lines
 - Internet: speed, IPs, support
 - Fed-EX, UPS, DHL
 - TV: Satellite, Cable, etc.
 - Mail

Note: City or Project Planning Analysis One area that is not included in the On-Site Analysis is development-based planning. This planning is available but requires a longer time period and is not part of the on-site analysis. The type of planning involves a specifically designed program to achieve explicit goals, which are mutually agreed upon.

VITAL INFORMATION TO BE PROVIDED TO PROMOLONT INTERNATIONAL, INC.

Promolont International, Inc. (“Prairie Wind”) is essentially a provider of turnkey, affordable housing, and construction systems. Each project is normally analyzed, sized, staged, and implemented within a schedule, budget and methodology that considers the geography, materials availability, the sourcing and training of available labor, and the creation of a community economic stimulus through this activity.

Promolont International, Inc. realizes that the creation of housing also creates Community, and the larger the number of houses to be built creates numerous development challenges in direct proportion. Communities need clean water, the management of waste and trash, the efficient delivery of energy systems, health care, schools, recreational spaces, road systems, community parks, access to retail shopping spaces, industry and all of the other human needs that create sustainable and balanced lifestyles.

Promolont International, Inc. has joined forces with a number of professional international firms that have the reputations and experience in producing excellence to help developers with all of the various needs and challenges that must be handled if the community is going to be successful and become sustainable.

If you are beginning a development with a raw parcel of land, the following list of activities will all be needed to complete your project. Please check off each and every item that you will want Prairie Wind and its chosen team to include in its areas of responsibility. Once this checklist and any appropriate preliminary deposits have been received (the size of the deposit will depend upon the size of Prairie Wind’s overall responsibilities), we will proceed with dispatch to develop and analyze a not-to-exceed budget for our areas of responsibility in the project.

We would like the Prairie Wind Design and Development Team to be responsible for providing the following:

- Analysis of Project Requirements and Planning Parameters.
- Project Control Plan to include a Risk Management Plan, and an Organizational Structure to ensure Cost, Schedule, and Quality Control.
- Surveying, Topographical and Geotechnical Engineering.
- Urban Planning, Landscape Architectural and Environmental Services.
- Integrated Engineering for Transportation Infrastructure.
- Integrated Engineering for Water Supply and Sanitation Works.

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- Integrated Engineering for Waste Management Services (Recycling, Re-use, and Trash Remediation).
- Design Development based upon an approved Master Plan, Schematic Drawings and Budget.
- Preparation of Construction \ Tender Documents.
- Pre-Tender Construction Cost Estimate.
- Tender Call & Evaluation & Final Award Numbers.
- Construction Contract Administration.
- Review Shop Drawings, Test Reports & Inspection.

- Coordinate Commissioning and Implementation of Communications System.
- Field Services and Site Visits.
- Administer Construction Contract Changes & Progress Claims.
- As Built Drawings.
- Interim & Final Certificates of Completion.
- Compliance with Codes, By-Laws, Licenses & Permits.
- Post-Construction Report.
- Warranty Inspections.
- Expertise in Scope, Cost, Schedule, and Quality Control through the assignment of qualified professionals.
- Proposed team must include professional architects and engineers fully licensed and experienced in the regional development.
- Knowledgeable in applicable cultural issues and labor practices.

All work assigned to Prairie Wind will conform to and comply with all applicable codes, regulations and standards of the American Society of Civil Engineers, the American National Standards Institute, and the International Building Code.

Deliverables

Sales and Implementation Process

PII'S goals and objectives are to dovetail the clients' goals and objectives with the in-country realities on a case-by-case basis.

There are three sections to a complete Promolont International, Inc.(PII) Structural Insulated Panel (SIP) package.

- PII Structural Insulated Panel (SIP) Manufacturing Facility.
- PII Expanded Polystyrene (EPS) Plant.
- PII Fiber Cement Board (FCB) Plant.

The **PII SIP Manufacturing Plant** provides the complete process of manufacturing PII SIP panels. EPS is used in all panels as the core component. EPS can either be purchased and shipped in sheets or manufactured with our PII EPS Plant. All panels have some type of exterior skin. The exterior skin can be plywood, OSB, fiber cement board, or something else. The client either buys and ships-in these exteriors or manufactures them.

PII is able to provide their client with the technology and capability to produce the EPS interior core component and the fiber cement board skin components. **The more the client produces themselves, the higher their initial investment, however, the lower their cost of panel production.**

The basic **one cell PII SIP Manufacturing Plant** (See SIP Detail) costs approximately \$437,800,000 to \$548,400,000 USD. This particular plant requires a building with 33,000 to 45,000 sq ft and 16 to 24 ft ceiling height (10,058 to 13,716 m2 with 5 to 7 m ceiling height). It needs to be a secure building, complete with utilities. The basic one cell PII SIP manufacturing plant includes the equipment to produce up to 187,000 4' x 8' x 4" panels or the metric equivalent.

The basic **PII EPS plant** (See EPS Detail) will produce four times what is needed for a one cell PII panel plant. This plant option is not cost effective to provide at a smaller capacity. The PII EPS plant costs \$662,200,000.00 to \$782,773,000.00 USD. The costs include molds to produce the most common sizes of EPS components. Additional molds for different sizes and uses are available at additional fees. The PII EPS plant needs approximately 33,000 to 45,000 sq ft with 16 to 24 ft ceiling height (10,058 to 13,716 m2 with 5 to 7m ceiling height). This facility needs to be a secure building complete with utilities. The basic **PII Fiber Cement Board plant** (See FCB Detail) costs between \$332,500,000.00 and \$460,000,000.00 USD. This plant manufactures the fiber cement exteriors required by the PII SIP panel facility for the production of fiber cement board clad SIP's. The fiber cement production needs approximately 33,000 to 45,000 sq ft with 16 to 24ft ceiling height (10,058 to 13,716 m2 with 5 to 7 m ceiling height). This facility needs to be a secure building complete with utilities. Both the PII EPS facility and the PII FCB plant produce components for the PII SIP manufacturing facility. Excess production may be sold to additional markets. This is subject to change according to market pricing etc.

IMPORTANT NOTE: PII EPS and PII Fiber Cement Board production facilities are not required in countries that have local availability of both EPS and skin material (fiber cement, OBS, plywood) in affordable and sufficient quantities that can be purchased locally. Under this scenario, PII EPS and PII FCB production facilities can be added later allowing you to become a least cost producer. Without local availability of FCB and EPS, the production of these component materials is required to produce panels. In order to initiate one of the three Promolont International, Inc. package options (1 – 3), there are six supplemental items (4 -9) that is imperative to review in order to determine what is deemed as necessary for the specific package and the particular client. The **On-Site Analysis** (See OSA Detail) will address political influences, governmental requirements, cultural customs, and infrastructure restraints. Also addressed will be benefits, transportation, country specific legal issues, security, raw material availability, facility inspection, and potential markets. The analysis is priced on a cost-plus basis which is applied to the purchase price. An estimate will be made of the cost and a retainer required before the analysis commences. An average On-Site Analysis requires five to eight days per region. The resulting detailed document will identify the client's needs and what PII recommends as solutions to meet their specific needs. The intention of the analysis is to provide all of the information necessary to prepare the purchase contract. It is only through the Onsite Analysis that PII can determine exactly what the client needs and what the price of the project will be.

Proof of Concept (See POC Detail) is a sample building constructed on location with PII panels and materials that are shipped to the site and installed by PII personnel? Proof of Concept is funded by the buyer. This step is optional.

- 1 The **Purchase Contract** (See PC Detail) outlines the financial responsibilities and expectations of both the buyer and the seller. The payment and delivery schedules are outlined in detail. This document precedes the plant implementation document.
- 2 The **Plant Implementation Document** (See PID Detail) depicts the detailed process of establishing the PII SIP, PII EPS, and PII FCB manufacturing facilities. Detailed installation schedules and Gantt charts are included that illustrate the plan, which clearly demonstrates the relationship between all of the segments.

3 The **Quality Control Program** (See QCP Detail) outlines the extensive program of quality control that has been built into the manufacturing process. Integrated initial and ongoing support components form the foundation for our long-term support program.

Current Price Lists (See CPL Detail) exhibit price ranges of services available. Specific detailed prices require the completion of the On-Site Analysis.

1. PII SIP Manufacturing Plant Detail (Structural Insulated Panel)

PII desires to aid its client in reaching the dual goals of helping social/economic growth while serving a need to help communities create a middle class. To achieve these goals, it is our intention to train this client to both produce 187,000 4'x8'x4" (or metric equivalent) PII Sips per year, utilizing PII'S core expertise and technology, and install the building components.

The manufacturing processes and controls are chosen to be simple. Portions of this process could be automated at additional expense; however, his simplistic approach is intentional in order to facilitate the implementation of this technology in areas that do not have a highly skilled work force or the infrastructure to support automation.

The following is a summary of what PII makes available to those that desire to successfully develop a PII SIP manufacturing facility.

IMPORTANT NOTE: A total PII SIP plant consists of thousands of parts, items, and pieces of equipment too numerous to identify in this document. Therefore, this document will mention only a few pieces of equipment. However, it should be understood that everything that is required for a particular area will be included in the overall package.

Scope of Project:

This project includes initial setup and trial run of equipment as well as ongoing support (training, Spare parts, service, etc.) After installation.

Time Frame:

The time frame is negotiable after On-Site Analysis is completed to determine utility and raw Material availability.

Basic Information:

1 cell = ten 8ft modular presses.

In an average cell the ten modular presses would be linked into two 24' presses and two 16' presses.

Budgetary Estimates Include:

- Engineering Services for plant layout
- Utility Infrastructure & Utility Consumption Requirements
- Backup Electrical Generation (Sourcing) NOT Included

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- Pre-Production Plant Loading (Raw Material Inventory)
- Pre-Production Equipment
- Production Equipment

PII/Deliverables CONFIDENTIAL

- Postproduction Equipment
- On-Site Panel Installation Equipment
- Management
- Training
- Quality Control

Engineering Services \$2,250,000 to \$5,730,000USD this is a nominal fee for the assembling of information, making preliminary calculations, and preparing rough drawings including plant layouts.

Utility Infrastructure TBD Electricity, propane, water, and compressed air are assumed to be available and plumbed to the location as specified on drawings to hook up to the production equipment. The fiber cement substrate facility would require a consistent supply of the above utilities. Interruptions would cause significant production problems.

Utility Consumption TBD Electricity, compressed air, propane, and water consumption would vary depending on a number of factors to be determined. This information would be available with engineering services after an in-country analysis is made to determine the types of power supply available.

Backup Electrical Generation \$5,700,000.00to\$14,075,000.00USD

Pre-Production Plant Loading (Raw Material Inventory)\$25,487,000.00 to \$37,124,000.00 USD the initial loading of the PII SIP plant is based on the initial raw material requirements necessary for the production of the designated finished product within a determined timeline. The initial loading can be done by either producing the raw materials from PII implemented EPS and Fiber Cement plants and/or the purchase of said raw materials. The three main raw materials required are EPS core material, skin material (OSB, plywood, or fiber

Management	For a period of 6 to 12 months	\$83,325,000.00 to \$116,875,000.00
		USD

- Accounting
- Training
- Pre-Production
- Production
- Post-Production
- Installation
- Recommended Quality Standards
- Utilizing SIP plants

Training

\$14,385,000.00 to \$16,551,000.00 USD

- Pre-Production
- Production
- Post-Production
- Installation
- Train the Trainers

cement), and glue. Many additional materials are also required for the initial PII SIP plant loading.

Pre-Production Equipment \$42,375,000.00to\$54,535,000.00USD All associated PII preproduction equipment is included in our package. One example of such equipment is the PII hot cutting tables that are expandable from 8’ to 12’ long (2.4 to 3.6 m) and 8’ to 24’ long (2.4 to 7.3 m). These tables are used in hot cutting the electrical chases and the female portion of the spline joint into the EPS core as well as cutting the EPS core to length. PII rheostat hot wire cutters are another example of some of the equipment included in our pre-production package.

Production Equipment \$149,220,000.00 to \$399,743,000.00USD All associated PII production equipment is included in our package. The PII presses, gluers, and material handling equipment are some items included in our production package.

Postproduction Equipment \$49,071,000.00 to \$316,531,000.00USD All associated post-production equipment is included in our package. Items such as a spline rip saw, table saw, and panel saw are included in our post-production package.

On-Site Panel Installation Equipment \$5,560,000.00 to \$15,800,000.00USD the initial installation package consists of 10 PII trailers, each loaded to the client’s package choice from the two options provided. The first configuration is a panel installation package only. The second configuration is a total build package.

NOTE: The initial PII SIP plant production starts at 20% production capabilities and grows 4.44 % per month for 18 months to achieve 100% capacity. That 4.44% per month equals 10 new 6 person crews being trained every month for 18 months, requiring a total of 180 loaded trailers. The client has no obligation to purchase additional PII trailers,

beyond the 10 contained in the initial package. The additional PII trailers are offered to our client merely as a competitively priced service.

Quality Control \$4,387,000.00 to \$7,552,000.00USD It is the goal of PII to mass produce the highest quality structural insulated panels on the market today. To achieve this goal, certain quality control procedures and standards must be implemented, maintained, and tracked. These quality control procedures and standards must be implemented into the day-to-day production process ensuring not only a superior product, but also a safe working environment.

Quality control is not just about the development of quality control procedures, processes, and standards, hence, communication on all levels is where it really begins. Successful quality control will hinge on the communication

interface between management, sales, drafting, purchasing, shipping, and receiving, along with all facets of production.

Quality Control Overview

1. Computer Tracking System
2. Purchasing, Shipping and Receiving
3. Spline Cutting
4. Pre-Production
5. Core Preparation Procedures
6. Skin Preparation Procedures
7. Glue Mixing
8. Ratios
9. Procedures
10. Gluer Setup
11. Ratios
12. Procedures
13. Cleaning
14. Production
15. Panel Matrix
16. Hard Paper Tracking
17. Quality Control Numbers Established
18. Quality Control PIN Numbers
19. Equipment Maintenance Schedule
20. Safety Issues
21. Safety Meetings
22. Presses
23. Square
24. Level
25. Plumb
26. Pressures
27. Post-Production
28. Tracking
29. Cutting
30. Shipping
31. Quality Control Finished Panel Testing
32. Testing
33. Procedures

TOTAL PRICE FOR PII SIP PLANT PACKAGE: \$395,930,000.00 to \$788,917,000.00 USD

SUBJECT TO ANY UNFORESEEN TAXES, TARIFFS, IMPORT FEES OR DUTIES, ENTRY FEES OR CHARGES OR OTHER UNEXPECTED SIMILAR FEES OR COSTS return on investment using \$188,917,000 USD@ average price of a house is \$47,500 @ a gross profit of 47% need to manufacture 8,463 houses the plant is capable of manufacturing 50,000 per year plus or minus 2%. Each line will manufacture 1,000 to ,2000, (1,000 square foot 3 bedroom) units per month X 7 to 10 lines.

2. PII EPS Plant Detail (Expanded Polystyrene)

The following is a summary of what PII makes available to those that desire to successfully set up a PII EPS production facility.

Scope of Project:

Requires all aspects of establishing a PII EPS processing facility, from sourcing of utility infrastructure to ongoing support (training, spare parts, service, etc.) after installation. **Time**

Frame TBD

Basic Information

- 2,187,000 panels per annum.
- Each panel consists of an EPS sheet measuring 4' x 8' x 3.5" (1220W x 2440L x 82D mm)
- Block mold production to include maximum block length of 24' (7.3 m).
- Density of EPS is 1 per cubic foot (approximately 9.33 lbs. of EPS at density of 1 per cubic foot).

Assumptions

- 920 production days per year
- 16-hours is equivalent to 2 shift one shift to clean and maintain the equipment and restock the raw goods

Budgetary Estimates Included:

- Engineering Services for plant layout
- Utility Infrastructure & Utility Consumption Requirements
- Backup Electrical Generation (Sourcing)
- Pre-expansion (pre-expander model)
- Transportation & Storage System
- Block Molding Machine
- Block Cutting Line Machine (for EPS block processing)
- Recycling Machine (for processing EPS scrap into re-usable form)
- Insulated Concrete Forms Machinery
- Standard EPS Steam Chamber
- Support Services
- Training, Commissioning, Spare Parts & Service Visits

Engineering Services \$12,220,000.00 to \$25,730,000.00 USD \$33,420,000 is a nominal fee for the

Backup Electrical Generation (for diesel powered generator) \$12,325,000.00 to \$54,875,000.00 USD

Pre-expander Model

1000 Continuous pre-expander 1000 capacity = 1,760 lbs / hour (800 kg / hr.) Production requirement = 187,000 panels / year.

Calculation:

assembling of information, making preliminary calculations, and preparing rough drawings which will be utilized by others to solicit quotations.

The \$530,000 fee offers incredibly detailed information from which contractors can establish bids.

Utility Infrastructure \$1,205,000.00 to \$2,420,000.00USD

Block molding plant: Steam generation & supply system (Steam Boiler / Wet Steam Accumulator / Valves & Piping) Compressed Air and storage system (Air Compressor / Air Receiving Tanks / Piping)

Utility Consumption TBD For Steam/Air/Water generating utilities – Depends upon a variety of factors to be determined. See electrical requirements of EPS processing machinery.

187,000 panels per year / 220 production days per year = 850 panels per day. 850 panels per day x 9.33 lbs. EPS per panel = 7,930 lbs. of EPS per day. 7,930 lbs. of EPS per day / 8 hours = 991 lbs. per hour throughput.

Rationale for Model selection: Simple, straight-forward machine adjustments and continuous type pre-expander. Initial investment allows for increased throughput without additional capital investment.

Includes:

- Pre-expander
- Raw material feed system
- Fluid Bed Dryer [dries and stabilizes the vulnerable (soft) expanded material]

Transportation & Storage System \$73,295,000.00 to \$208,980,000.00USD

Piping for expanded material transport from Pre-expander to Storage Silos.... \$11,675,000.00 est.

Storage Silos: Recommendation for 8 @ estimated price of \$39,000.00 each.... \$152,000.00 est.

Calculation: Silo size is 16.5' x 16.5' x 16' (5x5x 4.8m) Each storage silo will be able to store up to 4,300 ft (121m) of material.

3

Each block requires 4.07 m of material. Each silo can handle 2 hours of block production.

Rationale for Model selection: An 8-hour shift will consume approximately 4 silos of material (properly aged). Recommendation is for 8 storage silos, which allow for capacity to age material.

Includes:

- All piping for material transport for eight (8) storage silos with support structure and indicators (senses level of material in silo).

Block Molding Machine \$14,650,000.00 to \$39,980,000.00USD

Block size of 24' Lx 4' W x 3.3' D (7.3m Lx 1.2m W 1m D)

Block mold capacity = average of 16 blocks / hour Production

requirement = 187,000 panels / year.

Calculation: (approximate for 24' long block)* 187,000 panels per year / 220 production days per year = 850 panels per day. 850 per day / approximately 10 panels per block = 85 blocks per day 85 blocks per day / average of 14-16 blocks per hour = 5.3 hours of production time. *Based on average of 1.0 per cubic foot (15g / l) density and Western European standard EPS with pentane content of 6 to 7%.

Rationale for Model selection: Most economical block mold -simple system for standard sizes block production. Initial investment allows for increased throughput without additional capital investment.

Includes:

- Block mold = 24' long x 4' wide x 3.3' deep
- Main steam connection
- Fill silo (for filling block mold cavity)
- Block ejection conveyer
- Vacuum system
- Vacuum tank
- Mixing & Metering (dosing) system -used for mixing virgin material with a percentage of recycled material

Block Cutting Line Machine \$12,300,000.00 to \$54,500,000.00USD

Cutting Line

Block cutting capacity = average of 3 linear ft. per minute (1 meter per minute)

Production requirement = 187,000 panels / year. Calculation: (Conveyor sizes to process 24' long block) 187,000 panels per year / 220 production days per year = 850 panels per day. Block height (same dimension as depth in block mold) of approximately 40". 40" less 2% shrinkage = 39.2". 39.2" less 5% scrap generated due to trimming the block for squareness = 37.24". 37.24" / 3.5" thickness of panel yields approximately 10.64 panels per block.

At 10 panels yielded per block, averaging 16 blocks per hour, it will take approximately

5.5 hours to process the daily requirement of 850 panels. Rationale for Model selection: The most economical block cutting line machine. Can be adjusted to match output required to fill a complete 8-to-10-hour day.

Manually adjustable wires for sheet cutting (slabbing) and side trimming. Initial investment allows for increased throughput without additional capital investment.

Includes:

Options: Bottom sheet removal (highly recommended) \$4,325,000.00 \$8,875,000.00 Top
 sheet removal (can also be done manually)

Recycling Machine

- Block tilter (EPS blocks typically stored in vertical position, then they are cut while in horizontal position.)
- Chain conveyor
- Sheet cutting station with hot wires and hexagon spindle (adjustable to 6 different panel thicknesses for future use).
- Cooling for hot wires at trimming station
- Down cutter for end of block trimming
- Control cabinet

Recycling System (Conditions EPS scrap to be re-used in block mold process)

3

Recycling capacity = 20 m per hour (706 ft per hour)

Description of recycling system operation:

- Scrap EPS is generated from block cutting process
- Scrap EPS is manually taken away from block cutting equipment.
- Large scrap EPS pieces are manually fed into a pre-breaker.
- Pre-breaker breaks large EPS scrap pieces into large chunks.
- Large EPS chunks are conveyed to a silo which is positioned directly above.
- Recycling grinder, which processes the EPS chunks into pieces similar in size and shape as raw EPS material and is then transferred.
- Transfer is to silo labeled recycled EPS.
- The recycled EPS is then fed into the Mixing & Metering system which mixes a

certain percentage of recycled material with virgin material. Rationale for Model Selection: It is necessary to plan for the complete process of EPS block processing, and this aspect cannot be ignored. It is possible to use recycled EPS to mix with concrete, as some companies do this to increase the yield of their concrete in certain applications.

Includes:

- Grinding unit
- Pre-breaker
- Buffer silo in-between pre-breaker and grinding unit (allows grinding unit to run consistently)

- Silo for only recycled material to be the source of feeding the mixing & metering unit that is included in the block mold price.

Standard EPS Steam Chamber

Inner dimensions of the steam chamber	Basic	800x 1300 mm
depth of steam chamber:		
Movable side		200 mm
Fixed side welded		80 mm
Maximum mold opening		1250 mm

MACHINERY FOR THE PRODUCTIONS OF INSULATED CONCRETE FORMS

Insulated Concrete Forms (ICF) Machinery

The block processing plant for SIP's is sized to accommodate a modest addition for equipment to process ICF's, should this be the chosen method for the foundation of buildings in various regions of the world with the Promolont International, Inc. production plant concept.

Includes:

- Hydraulic aggregate for molding pressures of 1.2 bar
- Water system by-pass cooling
- 10.4" color touch screen control
- Vacuum system with compensator
- PC. cooling lead for stationary side
- 90-liter pressure fill units with 32 filling connections total
- Side channel fan to fill pressure filling tanks
- Set of standard receiver frames
- Ejector grid movable side
- Adjustable back plate support bars
- Flexible steam connection and mating flanges
- Wired for 480 V, 60 Hz, 3 phase voltage

Support Services

Training \$34,240,000.00 to \$66,795,000.00USD Initial training with classroom instruction, including materials. One week of service technician instruction

Commissioning of EPS machinery \$21,520,000.00 to \$59,030,000.00USD Set up, testing, operating of EPS processing machinery. Two weeks of instruction for service technician.

Spare parts for all equipment (approximate) \$6,140,000.00 to \$12,568,000.00USD A complete list of recommended spare parts can be prepared, however, for budgetary reasons, we quote 3% of the total investment.

Each subsequent service visit \$1,310,000.00 to \$2,915,000.00USD

TOTAL PRICE FOR EPS PLANT PACKAGE: \$535,243,000.00 to \$792,818,000.00 USD

SUBJECT TO ANY UNFORESEEN TAXES, TARIFFS, IMPORT FEES OR DUTIES, ENTRY FEES OR CHARGES OR OTHER UNEXPECTED SIMILAR FEES OR COSTS

3. PII FCB Plant Detail (Fiber Cement Board)

The project for Promolont International, Inc. incorporates the goal of helping social / economic growth while serving a need to help communities create a middle class. To achieve this goal, it is our intention to help this country produce 40,000 -50,000 homes per year, utilizing the core expertise (technology) of constructing PII SIP's.

The manufacturing process' and controls are chosen to be simple. Portions of this process could be automated at additional expense. This simplistic approach is intentional in order to facilitate the implementation of this technology in areas that do not have a highly skilled work force or the infrastructure to support automation. The following is a summary of what PII makes available to those that desire to successfully instigate a Fiber Cement Board (FCB) production facility.

Scope of project: The scope of project includes the initial setup and trial run of equipment in the country of destination as well as ongoing support (training, spare parts, service, etc.) after installation. It does not include sourcing raw materials in the country of destination.

Time Frame:

Negotiable after in country analysis is completed to determine utility and raw material availability.

Basic Information:

- 187,000 SIP panels equal 374,000 substrates per year.
- Skins are to be 4' X 8' X 1/2" thick or metric equivalent.
- The FCB panels are to be approximately 75% the strength of OSB and use EPS beads as a component of an aggregate.

Assumptions:

- The fiber cement board plant will operate around the clock; 24 hours per day since there is a 3-hour line fill and 3-hour line unload.

- Production expectations are based on 220 days per year.

Budgetary Estimates Included:

Engineering Services for plant layout

- Utility Infrastructure & Utility Consumption Requirements
- Backup Electrical Generation (Sourcing)
- Raw Material Staging Equipment
- Mixing Equipment
- Casting line including conveyor and pouring equipment
- Curing line including ovens with steam generation
- Racking and casting fixtures
- Fixture/substrate unloading station
- Support Services
- Training, Commissioning, spare parts, and service visits

Engineering Services \$2,220,000 to \$5,730,000USD This is a nominal fee for the assembling of information, making preliminary calculations, and preparing rough drawings including plant layouts.

Utility Infrastructure TBD Electricity, propane, water, and compressed air are assumed to be available and plumbed to the location as specified on drawings to hook up to the production equipment. The fiber cement substrate facility would require a consistent supply of the above utilities. Interruptions would cause significant production problems.

Utility Consumption TBD Electricity, compressed air, propane, and water consumption would vary depending on a number of factors to be determined. This information would be available with engineering services after an in-country analysis is made to determine the types of power supply available.

Backup Electrical Generation \$400,000.00 to \$975,000.00USD

Raw Material Staging Equipment

Common raw materials needed in the country of origin are Portland cement, fly ash, clean water, and washed sand. A country analysis of the type and style of transportation equipment needs to be completed prior to determining the design and style of storage equipment. Example: In one area the cement may be only available in bags that are to be handled by hand while another area may pump cement from a semi tanker into an enclosed storage container within the facility.

EPS Storage Silo for The Storage of EPS Beads: \$89,000 each Silo size: 16.5' x 16.5' x 16' (5.0m x 5.0m x 4.8m)

If the EPS plant is on site, the material could be blown into a silo. Piping and blowing equipment would be determined based on the distances involved in handling the material.

Calculation: Silo size is 16.5' x 16.5' x 16' (5m x 5m x 4.8m)

Each storage silo is able to store up to 4,300 ft (121 m) of material. Each hour of production would consume 68 cubic feet of material. The silo can handle 64 hours of cement board production.

Mixing Equipment

Mixer will be a high shear mixer and support 5 cubic yards of material per hour.

Calculation: Each panel (poured) size is 1/2" x 4' x 8'. This equals 1.33 cubic feet of material. Production rate of each line is 50 panels per hour. 50 panels x 2 lines = 100 panels per hour.

1.33 cubic feet x 100 panels per hour = 133 cubic feet per hour = approximately 5 cubic yard per hour.

Support Services

Training \$4,210,000.00 to \$16,715,000.00 USD Initial training with classroom instruction, including materials. One week of service technician instruction

Commissioning of EPS Machinery \$4,220,000.00 to \$6,530,000.00 USD Set up, testing, operating of EPS processing machinery. Two weeks of instruction for service technician.

Spare Parts for All Equipment (approximate) \$1,140,000.00 to \$1,668,000.00 USD A complete list of recommended spare parts can be prepared, however, for budgetary reasons, we quote 3% of the total investment.

Each Subsequent Service Visit \$1,341,000.00 to \$5,615,000.00 USD

TOTAL PRICE FOR FCB PLANT PACKAGE: TBD

SUBJECT TO ANY UNFORESEEN TAXES, TARIFFS, IMPORT FEES OR DUTIES, ENTRY FEES OR CHARGES OR OTHER UNEXPECTED SIMILAR FEES OR COSTS

4. On-Site Analysis

The On-Site Analysis is required to provide specifics for the Purchase Contract and the Proof-of-Concept stage of the process. Most, if not all, of the following topics influence the scale of the project and need to be addressed.

DISCLAIMER: ANY OFFERING BY PII IS SUBJECT TO THE ACCURACY OF INFORMATION AND FACTS PROVIDED BY BUYER TO PII.

Client's Goals and Objectives

It is important to understand the client's goals and objectives as well as all aspects of the country's infrastructure and capabilities. This is an effort to dovetail their goals, objectives, and expectations with PII'S ability to meet or exceed their expectations based on the realities on the ground. If the client's goals,

objectives, and expectations exceed the country's infrastructure, PII will assist the client in developing achievable goals and objectives. Additionally, PII will assist the client in developing a long-term incremental process to achieving both their initial and long-term goals and objectives as their infrastructure dictates.

Political Influence

PII'S ability to work in concert with its client and the government is essential to deliver a successful project. A thorough understanding of the government's political process and long-term stability is vital to the success of the project.

Governmental Requirements All duties, taxes, fees, etc. need to be determined in the analysis phase as do affect the delivered price. PII normally ships freight FOB, port of departure.

Cultural Customs

Cultural customs, religion, language, gestures, cultural norms, and taboos need to be identified during the analysis phase. The identification of any and all of these variables prior to the implementation phase is essential. Instructing PII personnel to be sensitive to these issues will ensure that the implementation phase is a positive experience for all those involved.

Infrastructure Restraints and Benefits

The country's infrastructure is crucial in delivering a successful project. Ports, roads, electric, rail etc. all influence what can be achieved relative to the client's goals and objectives.

Transportation

Transportation issues regarding PII'S initial and ongoing needs required for the production process and the transportation of the finished product to the building site are all vital factors in determining the feasibility of the project. **Country Specific Legal Issues**

Country specific legal issues need to be identified and addressed during the analysis phase. This will ensure both PII and the client are proceeding in a legal and ethical manner specific to the country.

Security

Security in regard to personnel, equipment deliveries and storage must be addressed. Raw materials, transport, and storage security plans need to be identified. Plant specific security issues must also be addressed during the analysis phase.

Raw Material Availability

The raw material availability, quantity, and distance from the production facility, along with the price, and quality will be analyzed and decided during the analysis phase. This information is invaluable in determining the number of technologies required on the startup portion of the project as well as its long-term viability.

Build or Retrofitting

Building a new facility or retrofitting an existing one to meet the project requirements will be part of the analysis process. Estimating the cost will aid the client in projecting the overall cost.

Market Identification Analysis

Identifying potential additional markets for excess panel production is part of the analysis process.

Local Availability

Certain products and equipment required in both the production and installation of the final product may be locally available as well as preferable to the client. Determining this availability during the analysis phase helps to develop what portion of the package will be shipped in and what portion of the package may be purchased locally. (Forklifts would be one example.)

Building Code Standards

Local quality standards for residential home construction need to be understood. PII generally builds to 2006 International Building Code which is available in a loose-leaf binder entitled 2011 International Building Code and published by the International Code Council.

City planning Analysis

One area that is not included in the On-Site Analysis is city wide planning. This type of wide area planning is available and requires a longer period of time. This particular planning involves a distinctively designed program focused on achieving mutually agreed upon specific goals.

Educational Analysis Local educational capabilities need to be understood to access the supply of an educated labor pool for both the production and installation process.

Technical and Computer Analysis

Technical and computer sophistication evaluation is directed at determining what level of expertise exists as well as is available locally to meet the project needs.

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A sample of the On-Site Analysis on the actual construction of the 3-bedroom unit for HABITAT FOR HUMANITY.



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5. Proof of Concept



Prepping SIP Panel Standing Wall Panel Cutting in Window

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Dominica Home/Office



Single Family Residence



Detailing Window Setting Roof Panels



Dominica Home/Office

Single Family Residence

Under Construction South African Home Lodge Above Arctic Circle

Commercial Building

6. Purchase Contract & License Agreement Outline

Outline Detailing Areas Covered by 30 + Page License Agreement:

PII, the Licensor, has the following objectives:

- Licensor is engaged in the business of manufacturing, marketing and sales and distribution of PII Structural Insulated Panel Plant Plants.
- Licensor has developed various specifications and knowledge
- Process of developing training materials for both manufacture and installation.
- In future develop additional confidential information which is considered traded secrets.
- Licensor desires to promote, and expand the use PII Structural Insulated Panel Plants by:
 - Developing a license agreement network
 - Sharing trade secrets
 - Developing trademark recognition
- Licensee is capable and desirous of manufacturing
- Promoting, marketing, selling, and shipping

- PII Structural Insulated Panel Plant and services

Licensors are willing to grant a license to licensee to use PII trademarks and trade secrets under the terms and conditions provided herein.

(1) Operating Assistance

The Licensor shall furnish to Licensee such reasonable operating assistance will shall include:

- Training and documentation on:
 - Manufacturing
 - Installation
 - Quality control
 - Advice on
 - Implementing advertising and promotional programs
 - Accounting
 - Successful operation of the business
 - Modifications and upgrades from time to time to improve above.



- Licensee must
- Participate in training program
- Complete training program as prescribed by licensor
- Best efforts in training and operations
- Management operations and utilization in accordance with the requirements of this agreement. •
 - Reporting requirements both ways
- Sign Off

(2) Exclusive Rights

Licensors grants Licensee exclusive rights to:

- Time based geographic location
- Exclusive right and license to use
- Trademarks
- Network
- Trade secrets

- Packaging
- Promotions
- Sales
- Marketing

Product and services described in the operations manual or designated periodically by licensor from its business which product and services Licensor reserves the right to change from time to time.

- Licensor reserves all rights not specifically granted Licensee hereunder.
- Licensor may license others in other geographic locations.
- Licensees have right to conduct business including licensees designated trade area

(3) Trade Secrets

- Specifications
- Standards
- Operating procedures that are derived from information disclosed to licensee by the licensor in
- Training
- Training manuals and material
- Verbal instruction
- Operations manual
- Confidential trade secret information
- Licensee agrees that it will maintain absolute
- Confidentiality
- Require employees to make the same commitment
- During and after the term of this agreement

(4) Term of License

- Number of years
- May be extended
- Written application not less than 60 days nor more than 180 days prior to expiration of the term of this agreement
- Licensee must be in compliance with this agreement at both the date of application and the expiration of the initial term

Licensee may acquire a successor license agreement the form of the then current agreement upon conditions set forth below

- Complete the then current training program prior to receiving the successor license agreement
- Terms -TBD

(5) Termination of License

This agreement shall be subject to termination for cause by either party

- Material default

- Breach by the other party in the performance of and material term
- Bankruptcy or state insolvency law automatic termination
- Upon termination with or without cause, of this agreement, licensee agrees to take such actions as may be required to
- Cancel all uses of licensor's trademarks and or service marks.
- Reasonable modifications to interior and exterior of premise
- Will not directly or indirectly identify itself with or as PII Insulated Panels
- No use of trademarks service marks or other indicia
-

(6) Covenant Not to Compete

- Term of this license agreement
For a period of 2 years thereafter
- Stockholders
- Officers
- Directors
- Partners
- Directly or indirectly
- Engage in
- Be employed by
- Advise
- Assist
- Or have other interest in any other business within the trade area set forth by this agreement.

(7) Supplies and Materials

- Licensor will provide
- Running of the business
- Accounting computer and accounting programs
- Licensee required to have
 - Building required
- Office space
- Production space

(8) Payment Terms

- Down payment
- Terms
- Interest rate

(9) Advertising

- • Recognizing the value of advertising and the importance of standardized marketing efforts to further the acceptance and public image of PII Structural Insulated Panel Plant.

- Material and marketing and advertising shall adhere to
- Advertising standards as may be prescribed by Licensor
- Must be completely factual
- Conform to the highest standards of ethical and legal advertising
- Licensor may/will periodically develop marketing strategies and promotional items that support the PII Structural Insulated Panel Plant.
- Licensee agrees to participate in these promotions at the request of the Licensor.
- Developed advertising sold to licensee at cost plus administrative costs.

(10) Sale of Products and Services

- Licensee in good faith promote the sale of product and services
- Maintain an efficient organization through the sale of said products and services.
 - Labor commitment of no less than dedicated person hours per week
- Selling
- Preparing
- Displaying PII Structural Insulated Panel products and services
- Time frame to hit requirement
- Maintain Minimum sales requirements
- Reduce or eliminate exclusive trade area if requirements not met

(11) Financial Reporting Requirements

- Frequency
- Accounting software required
 - What reports are required
- Sales
- P/L
- Accounts Receivable
- Accounts Payable etc.

(12) Specifications, Procedures and Rules

- Comply with all
- Standards
- Operating procedures
- Quality control standards
 - Perform upgrades
- Manufacturing equipment
- Installation equipment
- Manufacturing process upgrades
- Installation process upgrades

Software
Equipment
Fixtures

- Signage
- Right for the Licensor to inspect the above.

(13) Independent Contractors/Indemnification/Insurance ••

The Licensor and Licensee are independent contractors.

- Licensor not obligated by any
- Agreements
- Representations
- Warranties Made by the Licensee
- Licensee agrees to
- Release
- Acquit
- Discharge
- Indemnify
- Licensor from all claims or actions for injury
- including but not limited to
- Negligence
- Strict liability
- Expressed or implied warranty
- Resulting from or relating to and equipment sold to Licensee by Licensor
- Insurance requirements
- At all times for the term of the license maintain in effect comprehensive general liability insurance including
- Personal injury
- Product liability insurance
- Fire
- Vandalism
- Malicious mischief
- Workers' compensation
- Not canceled without notice
- Certificates of insurance to licensor

(14) Compliance with Laws

- Licensee shall secure and maintain in force all required
- Licensed

- Permits
- Certificates
- • Shall operate business in full compliance with all applicable
State Laws
Federal Laws
Ordinances
- Regulations

(15) Training Fee

- Production training
- Installation training
- Management training
- Accounting training
- Cost in total or break down?

(16) Operating Manual

- The Licensor will loan to Licensee during the term of the agreement
- One or more copies of an Operations Manual containing
- Mandatory and suggested
- Specifications
- Standards
- Operating procedures
- Returned to licensor upon termination or expiration of this agreement
- • \$1000.00 charge for each manual not returned

(17) Use of Licensors Trademarks and/or Service Marks

- • Licensor represents that is the sole owner of
- The PII Structural Insulated Panel name
- All trade marks
- Service marks
- • Licensee is limited to
- Use of trademark products and service identified in writing by licensor
- Limited to the conduct of business pursuant to this agreement.
- Shall not use any trademark or service mark of unauthorized products or service.
- Will not sell any product or service similar in nature during the term of this agreement not authorized in advance by licensor. (Prevents consumer confusion and prevents marks value and distinctiveness from being diluted.)

(18) Trademark Infringement

- Licensee shall
- Immediately notify licensor in writing
- Of any infringement
- Challenge to licensees or licensors use of and trademarks or service marks.
- Communicate only with licensor and its council in this regard
- Licensor shall have sole discretion
- Take such action it deems appropriate

Right to control all litigation

Patent and trademark Office action

Or other administrative proceedings arising out of such infringement

- Protect both licensor and licensee's interest in this regard

PII/Deliverables CONFIDENTIAL

(19) Arbitration

- Dispute between parties resolved by binding arbitration
- By American Arbitration Association under its rules
- Decision of arbitration is final and binding to all parties
- Arbitrators may issue
- Appropriate orders
- Award monetary
- But nor exemplary or punitive damages

(20) Sublicensing and Assignment

- This Agreement shall not be sublicensed without prior written consent of Licensor.

(21) Successors and Assigns

- This agreement and the terms and conditions hereof apply to and are binding on the successors and assigns of both parties

SUBJECT TO ANY UNFORESEEN TAXES, TARIFFS, IMPORT FEES OR DUTIES, ENTRY FEES OR CHARGES OR OTHER UNEXPECTED SIMILAR FEES OR COSTS

7. Plant Implementation Document (PID)

Outline of PID

Section 1.0 -Services Overview

Section 1.1 -Project Assumptions

Section 1.2 -Project Budget and Hourly Rates for Professional Services

Section 1.3 -Services Clarifications

- Section 1.4 -Project Logistics
- Section 1.5 -Work Authorization Procedures
- Section 1.6 -Change Control Procedures
- Section 1.7 -Project Management Tasks
- Section 1.8 -Client Design/Core Team
- Section 1.9 -PII Implementation Team
- Section 1.10 -Project Activities Definition
 - 1.10.1 -Project Kickoff Meeting
 - 1.10.2 -Mobilize Teams
 - 1.10.3 -Equipment Assembly and Configuration
 - 1.10.4 -Construction Training using SIP's
 - 1.10.5 -Design/Core Team SIP Plant Operations Training
 - 1.10.6 -Maintenance (EAM) Software Training

PII/Deliverables CONFIDENTIAL

Section 1.11 -Dependent Projects

- 1 -Any Dependent Projects Section 2.0 -Client Scope of Project
- 2 -Client Resources

2.2 -Design & Configure Section 3.0 -Acceptance Signatures Appendix A -Project Risk Assessment Appendix B -Project Gantt Chart Appendix C -Logistic Requirements Appendix D -Project Organization Charts

8. Quality Control Program

- Computer Tracking System
- Purchasing
- Shipping
- Receiving
- Spline Cutting
- Pre-Production
- Production
- Post-production
- Substrate (Skin) Preparation Process
- Glue Mixing
- Gluer Set-up
- Gluer cleaning
- Finish Panel Testing
- Control Numbering System
- Control PIN (Panel Identification Number) System
- Maintenance Schedule

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- Press Tolerance Testing
- Production Documentation
- Machinery Calibrations
- Recommendations

9. International List Prices

Confidential INTERNATIONAL Price List -January 1, 2011

P11 Structural Insulated Panel (SIP) Production Package

- Engineering Services
- Utility Infrastructure & Consumption
- Back up Generation
- Pre-production Equipment
- Production Equipment
- Post-production Equipment
- Pre-Production Raw Material Inventory (Loading the Plant)
- Equipment for Panel Installation On-Site
- Management & Training
- Quality control & Support Services List Price.....\$75,930,000.00 to \$138,917,000.00USD

(Detailed Breakdown Available)

P11 Expanded Polystyrene (EPS) Production Package

- Engineering Services
- Utility Infrastructure & Consumption
- Back up Generation
- Pre-Expander Equipment
- Transportation & Storage System
- Block Mold Equipment
- Block Cutting Line Equipment
- Recycling System Equipment
- EPS Molding Press Equipment
- Training
- Quality control & Support Services List Price\$62,243,000.00 to \$172,818,000.00USD

(Detailed Breakdown Available)

P11 Fiber Cement Board (FCB) Production Package

- Engineering Services
- Utility Infrastructure & Consumption
- Back up Generation
- Raw Material Staging Equipment

- Mixing Equipment
- Training
- Quality control & Support Services List Price(Range53.0 to 188.5M)... TBD

(Detailed Breakdown Available)

FINANCING OPTIONS

OPIC has expressed an interest in financing sixty percent of any project Prairie Wind International, Inc, (PII) gets involved in developing countries throughout the world contingent upon:

- 1 No USA sanction against that country
- 2 A successful and complete in-country analysis done by PII
- 3 Forty percent of the project in equity
- 4 Qualified project administration in-country

EXIM Bank EXIM bank will fund eighty-five percent of a PII project.

They do not customarily fund housing but, in this case, they have a high level of interest because it solves the problem as what to do with the misplaced people while a planned community is built to replace their ghettos. At least 55 percent of the entire total project must come from the US, to include equipment, planning and so forth. EXIM bank does have more restrictions on a per country basis. These restrictions will limit a number of countries outright although there are levels of financing, short term, medium and long term.

A NEW FINANCIAL DEVELOPMENT PLAN

1.0 FORWARD: This attachment discusses an innovative approach by Promolont International, Inc.(PII) and its partner, SENAI International (senaiglobal.org, a US-501c3 organization), to create and structure a “new financial development plan (NFDP).” In its full context, the complete NFDP will be a “stand alone” document. The full plan will detail the steps to be taken by individuals from interested organizations, particularly from non-profit organizations (NPOs) and non-governmental organizations (NGOs), to secure funding and support to plan, develop and construct entire communities in underdeveloped countries.

As stated in the title, this attachment is only an abbreviated version of the actual NFDP. The actual plan, because of the financial sensitivity of its key components, is a detailed document of a confidential and proprietary nature, to be shared only with partners who are committed to the proposed economic venture.

1. PURPOSE: For the purposes of this proposal, the NFDP will be tailored to address specific issues raised by a number of individuals from various organizations, particularly from NPOs and NGOs, who are interested in community development for Your Country, East Africa. In this regard, the full NFDP will outline a program which, when properly implemented, will help cultivate the growth and power of indigenous “Human Capital” for realizing sustainable community development in specific areas of the Your Country economy.

2. MISSION STATEMENT: Accordingly, the mission of the NFDLP is to help those interested and committed individuals accomplish the goals and objectives of their respective organizations and/or corporations to plan, fund, and develop sustainable communities in Your Country.

3. BACKGROUND:

4.1 Community Development -The term, as used in this document, refers to improvements in the “way of life” for community inhabitants through judicious use of available human resources, materials, and finances to:

- (1) Increase the entrepreneurial skill sets of the population,
- (2) Cultivate the growth and power of an indigenous “human capital” by providing tools to help them determine their own future,
- (3) Create economic opportunities for generation of a more prosperous and sustainable lifestyle, and to
- (4) Formalize a “methodology” for obtaining required approval, support, and funding as well as inspiring dedication and initiative from cognizant individuals, government agencies, financial institutions, organizations and/or corporations to accomplish the NFDLP’s goals and milestones within acceptable time frames.

NOTE: The “methodology” cited immediately above refers to the final, detailed NFDLP guidelines.

4.2 Key Factors -Successful development of entire, planned communities in Your Country will rely on the availability and effective use of the following:

- (1) Visionary leadership by those in positions of influence, both in and out of government,
- (2) A willingness by those same leaders to take on the political and economic challenges, and risks, of rebuilding a country’s infrastructure (transportation, banking, trade, businesses, schools, hospitals, housing, etc.), where needed, and
- (3) An ability of those in charge to access available financial resources and apply them in an effective and efficient manner.

In short, the success of any economic development program—whether or not it is complete reconstruction of an entire infrastructure, or if it is only for a specific area of economic development— depends on an “enlightened citizenship” and the judicious use of “forward thinking capitalism.”

4.3 NFDLP Model -PII’S financial development plan is modeled on the program that helped rebuild much of the free world after the destruction caused by the Second World War, the “Marshall Plan.”

The end of World War II found most of Europe and parts of other continents in complete ruin with destroyed infrastructures and non-existent economies. Without enumerating all of the many problems that existed after that war, it is sufficient to state that the Marshall Plan was devised to help the survivors get back on their feet and create sustainable communities. The success of that effort was due to some enlightened citizenship, and forward-thinking capitalism, as cited above, together with innovative financing and dedication of those most actively involved,

PII is pleased to present this outline of their “New” plan for sustainable community development. The NFDLP is an innovative and creative approach to identifying and securing funding for economic development and is modeled after one of the most successful economic development plans ever created.

The Marshall Plan was not only successful, but it brought economic rewards back to the United States (US), by increasing trade with those developing economies that benefitted from the efforts of that plan. Similarly, PII’S intent, with their NFDLP approach, is to encourage continued commerce between the US and its newly developed partners in Your Country. The success of PII’S approach will create a “Win-Win” situation for both sides of the Atlantic Ocean.

5.0 THE NFDLP PROCESS: The risk management oriented NFDLP process is based on a comprehensive analysis of accurate and objective data concerning client goals, project objectives, and area specifics such as infrastructure, resources, demographics, cultural impacts, etc.

5.1 As A Training Tool – The initial planning efforts are structured to properly qualify each organization interested in participating with PII and its associates. This screening process helps train personnel from select organizations to access the capital resources needed to participate with PII and associates to achieve common goals. Hence, the process serves as a teaching tool to help others learn the skills necessary to guide interested and committed personnel to:

- (1) Create clarity in their respective aims, goals, missions, and/or objectives.
- (2) Incorporate important essentials and principles into their strategic planning process.
- (3) Evaluate liquid assets and identify availability of resources required for mission success.
- (4) Initiate steps in the process to obtain the required financial backing.
- (5) Implement funding oversight procedures to ensure fiscal responsibility and project integrity.

5.2 Four Principal Phases – PII incorporates four principal phases into their planning documents to describe actions to be taken by interested parties to determine the physical and financial feasibility of accomplishing their intended goals and/or missions. These four phases provide guidance on obtaining capital resources, performing strategic planning, defining, and accomplishing project objectives, and instituting adequate safeguards, controls, and security measures to ensure project integrity.

5.2.1 Phase I -Due Diligence and Discovery. This phase involves a thorough process of information and data gathering, compilation, analysis, and documentation. The cost of work performed during this phase is covered by the initial deposit to PII. The principal objective of Phase I is to generate an informed, initial opinion of the project objectives concerning their economic feasibility and whether or not further investment is warranted.

The result of completing Phase I is a written “Project Feasibility Assessment Report.” This report will include assessment findings regarding the intended project and recommendations for proceeding. This “Project Feasibility Assessment Report” will be a first-class document with a top-notch power point presentation that can be used to garner the needed “pre-development” financing (i.e., “seed” money), from a number of

sympathetic sources, many of whom are familiar with the of PII to create economic independence in underdeveloped nations.

5.2.2 Phase II -Business Plan. The results discovered by due diligence and discovery in Phase I can then be incorporated into a “Project Business Plan” that includes a “Project Budget,” and a statement of the “Project Scope.”

Phase II efforts are of a consensus nature in that all stakeholders participate in developing the final plans for the project, including its budget and implementation schedule. The efforts expended in accomplishing Phase II are paid analytical services that require expertise of qualified individuals and/or firms to provide further planning documents and reports to further clarify the project’s cost parameters.

The result of completing Phase II is the completion of a “Statement of Feasibility” and an accompanying “Business Plan” to validate and justify the project’s eligibility and qualification for funding.

NOTE: At this stage of progress in the PII financial planning process, it may be that some members of the intended community react positively to the challenge of using a portion of their own resources to fund pre-development expenses to help ensure the accomplishment of Phase II. If this form of financial support occurs, and it should be encouraged, it will be a first step in the evolution of an indigenous “Human Capital” resource. Such encouragement requires extra efforts by NPO and NGO personnel to educate and enlist local support as a process of “taking ownership” in PII’S sustainable community” model.

5.2.3 Phase III -Project Financing. Phases I and II are normally required for any organizations that attempt large, community development projects. The proprietary, financial planning process provides the critical analytical, business, financial, and engineering (scientific) services to reduce financial and physical risk in project accomplishment by providing clarity and proper as well as professional positioning of an intended project for adequate funding.

The plan’s financial request process is structured to produce capital for philanthropic efforts by qualified participants that team with PII. Those participants become stakeholders in efforts by PII to undertake projects with common or mutual interests. Capital assets can be accessed by qualified applicants in several ways; two of which are briefly described below:

(1) Identification and Pledge of Assets with a Certainty of Value. This method uses assets owned by an individual, government agency, corporation, foundation, or trust, etc., that is willing to provide their assets as collateral or security to create a specific financial document. This document can then be used to obtain an “Investment Grade Letter of Credit” as a guarantee behind the issuance of a debt capital security to fund the project.

(2) Liquid Assets on Deposit or Private Placement Capital. This second approach requires stakeholders to raise the initial pre-development planning funds to complete their business plan to qualify for project budget needs and, based on that success, then raise the assets required to qualify for private placement capital. This path requires a Joint Venture between the capital provider and the stakeholder (i.e., NPOs or NGOs).

5.2.4 Phase IV -Project Development. Once all of the community project stakeholders have been identified, qualified, and accepted as such, when the necessary assessment reports have been written and the recommendations acted upon, and the business plan has been successful in obtaining the requisite financing, the formal process of strategic community planning and project implementation can proceed.

Prior to reaching this point in PII'S financial planning process, the NPOs, NGO's, and/or other stakeholders will have achieved a sense of ownership in the planning documents. Additionally, they will have clarification in their common purpose with established and realistic goals and objectives that will be consistent with their respective missions. It is at this point in the process that "Strategic Community Development Project Planning, Design, and Construction" can commence with the participation of all stakeholders.

Although there are always circumstances that can result in events with unintended consequences, for the most part, as far as possible, the planning, design, and construction documents should account for as many factors related to life in the planned community as possible. The completed NFDP will list numerous aspects of community life that will possibly impact the necessary planning, design, and construction process.

6.0 ADDITIONAL CHALLENGES: PII'S financial planning process is based on successful models that are structured to help identify additional challenges faced by organizations interested in pursuing projects of an economic nature in foreign countries. While these challenges are numerous, they are, for the most part well-known and, with the proper preparation, solvable.

6.1 Government Cooperation -PII and their associates are familiar with the problems associated in the pursuit of "Millennium Development Goals" sponsored by the United Nations (UN). To the uninitiated, without PII experience in these matters, seeking and obtaining local and national government cooperation, commitment, and support for projects to be conducted under their purview can be a daunting and complex task. PII and associates have identified and worked with organizations that specialize in fighting financial corruption and ensuring fiscal responsibility in funding projects across national borders.

PII personnel are familiar with the UN's definition of "politically exposed persons (PEPs)." While this classification of individuals is unfortunate, it is a reality that PII is aware of and can accommodate in most circumstances.

The PII-developed NFDP refers to a consortium of eleven of the world's largest financial institutions and identifies that consortium's financial safeguards against graft and corruption in government agencies. PII can work with the organization that represents those banks and with a half-dozen other banking institutions and/or organizations of international standing that provide similar services.

6.2 Multi-Cultural Environments -Work in a multi-cultural environment can lead to increased opposition or resistance during a project's development if there is a lack of understanding of cultural differences and expectations by the project's implementers. The NFDP contains a process for all stakeholders to follow in establishing a method of discovery of those cultural differences to help prevent their respective employees and/or managers from experiencing such pitfalls.

In this regard, the NFDP contains recommendations for establishing professional translation services for written directions, documentation, and such. PII, through its own corporate culture believes and practices mutual respect, patience, and humor in an effort to short-circuit stress and help make working conditions a life enriching process.

6.3 Safeguarding Financial Organizations – Financial plans compiled by PII include lists of a number of organizations that provide financial oversight for transactions utilized by PII’S partners. Such oversight is highly prudent in monitoring the receipt of assets and the distribution of capital in support of community and/or economic development projects. Some of these financial, monitoring organizations will challenge the inevitability of fiscal corruption and provide safeguards to its clients and recovery methods to victims.

Other, similar organizations have developed risk-based standards and principles for organizations regarding efforts in fighting crime and corruption, money laundering, etc. Some of the organizations to be listed in the NFDP will be adept at recommending measures to enhance the transparency of international wire transfers and correspondent banking to safeguard assets.

Finally, PII’S financial planning history supports the recommendation for a central, tightly administered depository that will be specifically developed to act as a single point of due diligence access to documents such as corporate governance information, bank licenses, anti-money laundering controls, the USA Patriot Act Certification process, and their annual reports.

7.0 RISK-BASED QUESTIONS AND ANSWERS: The completed NFDP will contain a number of questions and answers. Only some of the questions are reproduced in this attachment. None of the answers are provided because they are of a proprietary nature.

- (1) Question #1 -What are the governing laws in the US for either an NPO or an NGO as an “Issuer” of a Bond Offering and recipient of those bond proceeds?
- (2) Question #2 -What legal and/or governmental oversight is in place in the US as it relates to the legality of an NPO using Revenue Bonds?
- (3) Question #3 -How does PII ‘NFDP (based on the Marshall Plan approach to community development) provide a unique method for funding humanitarian programs to reduce poverty and provide economic opportunity abroad?
- (4) Question #4 -How can a Financial Mechanism be devised to provide a safety net for the financial exposure of a project guarantor?
- (5) Question #5 -What restrictions, if any, exist on use of Bond funds by an NPO or NGO?
- (6) Question #6 -What are the identifying characteristics of Money Center Bank?

(7) Question #7 -Based on recent and troubling news about the present global financial markets, how will the equity capital selloffs and freezing of debt capital markets affect an NPO's/NGO's ability to obtain financial backing for their overseas, community development projects?

PII CAN ARRANGE FOR FINANCING FOR THE PROJECT THE FEE FOR THIS IS BETWEEN 10% AND 22% THIS MUST BE ESCROWED PRIOR TO A CONTRACT IS GENERATED AND THE FEE IS PAID UPON SIGNING OF A CONTRACT THERE ARE NO GUARANTEES AND NO ASSURANCE FINANCING CAN BE ACCOMPLISHED BUT PII WILL DEVOTE ITS BEST EFFORTS TO ACQUIRE FINANCING FOR THE COUNTRY OR INDIVIDUALS AND OR CORPORATION

PII CAN ALSO ARRANGE FOR A BANK GUARANTEE FOR THE LARGER AMOUNTS OVER 100 MILLION USD AND PII WILL ARRANGE FOR A LOAN ON A SCHEDULED PAYOUT WITH THE EQUIPMENT AND CORPORATION AS COLLATERAL THE PURCHASE OF AND INSTRUMENT WOULD BE PAID FOR BY CLIENT, OR CLIENT CAN PURCHASE THEIR OWN INSTRUMENT WITH THE UNDERSTANDING IT WOULD BE UP TO OUR LENDING INSTITUTION IF ISSUING BANK IS ACCEPTABLE.

Project Summary

15 January 2021

For a Proposal to Transfer Technology from PROMOLONT International Inc. To the World Housing Construction Industry for Introducing the Concept of Using Structural Insulated Panels in any Country By

1.0 PROMOLONT INTERNATIONAL, INC. (PII)

PII is a United States (US) corporation located in Redwood Falls, Minnesota, US, with the capability to export specific technologies to underdeveloped and developing countries. PII, in cooperation with companies and/or corporations licensed in The Republic of your Country, proposes to implement a “Technology Transfer” program that will not only help develop the country’s natural resources, but will also assist in the development of your Country’s indigenous human capital.

2.0 TECHNOLOGY TRANSFER PROGRAM

PII Technology Transfer programs are customized to meet the prospective client’s needs and requirements. Although PII has a number of technologies available for transfer, the following are five separate, but integrated operations, with central management control, that form the foundation for the current proposal:

- **SIPs:** Establish a Structural Insulated Panel (SIP) manufacturing facility.
- **EPS:** Build a facility to produce Expanded Polystyrene (EPS) foam.
- **FCB:** Add Fiber Cement Board (FCB) equipment into a local cement plant.
- **PDC:** Provide for a central Product Distribution Center (PDC); and
- **TTI:** Develop a Technical Training Institute (TTI) for training and certification.

All of the above are “Turnkey” operations in that PII trains and certifies indigenous personnel to administer, maintain, manage, and operate each of the five operations cited above. Quality control of all products from the five operations is assured through PII licensing and centralized management agreements. PII exerts central control over each technology department to ensure their individual efforts are integrated into one smooth operation to provide quality products from residential building materials to development of human capital.

3.0 TECHNOLOGY DESCRIPTIONS

3.1 Technology #1 -Structural Insulated Panels (SIPs) Department -The Key Technology:

The term “Structural Insulated Panel” refers to a structure with an expanded polystyrene (EPS) foam core that is “sandwiched” between two substrates for strength and insulation qualities. The substrates may be manufactured locally out of plywood, oriented strand board (OSB), or fiber cement board (FCB). Both substrates on a given panel must be of the same type of material, i.e., both sides of a panel must be plywood, or OSB, or FCB.

Multiple panels can be assembled together to form exterior or interior walls, as well as ceilings and roofs. Naturally, depending on environmental conditions and strength requirements, the lengths, and thicknesses of panels used for walls,

ceilings, and roofs may vary. A standard size panel is 4-inches thick by 4-feet wide and 8feet long (. 10.2 cm by 1.22 m by 2.44 m). Although a standard panel is light enough to be handled by one person, each panel is extremely strong due to its “I-Beam” construction. SIPs-built homes have been proven to be superior to traditionally built frame homes in all environments, including earthquake zones and high wind areas.

The material costs for a SIPs-built home are comparable to the cost of materials for a traditionally built home. There is, however, a comparative cost savings between the two approaches to building homes that is two-fold; (1) a SIPs-built home takes appreciably less time to construct and (2) it can be built with fewer and less skilled personnel. Hence, there are substantial savings in labor costs and also in the time it takes to construct homes. The final result is a better built home with superior strength and insulation qualities in a much shorter time frame, all for less cost.

A minimum size SIPs production facility consists of a single “Cell” which, when operating with two 8-hour shifts, can produce more than 180,000 standard size panels. More cells can be added as the demand increases in the residential construction industry. A single cell facility, at full production, using two 8-hour shifts, will produce enough standard

2 panels to construct approximately 5,000 moderately sized, single-family homes of 1,200 square feet (.111 m). That size home will accommodate up to three bedrooms with closets, two full baths, a kitchen, and a family room. Adding a second production Cell will double the number of homes that can be built. Production can also be increased by adding a third shift and operating 24-hours per day for a 5-day work week.

3.2 Technology #2 – Expanded Polystyrene (EPS) Department – A supporting technology:

In order to construct panels, it is necessary to have foam cores of the proper texture, composition, insulation quality, and form factor. While all properties are critical, much of the manufacturing process is based on well-known chemical industry standards. The actual cutting of the foam blocks into the precise sizes is an art that must be learned through careful attention and supervision. The foam is far too expensive to be imported; hence, the EPS plant will be established in close proximity to the SIPs manufacturing facility. PII is a protector of the environment and recycles all bits and pieces of scrap foam that are left over from the EPS production process.

Since an EPS factory can easily produce more foam that can be used by a single-cell SIPs plant running at full capacity, it is part of PII planning process to have the EPS facility be a “stand alone” cost center, capable of independent growth into other markets. EPS production for the surrounding market can grow as the demand for Sip’s products expands into the housing construction industry. However, their prime customer remains the SIPs manufacturing facility. EPS management functions as the EPS Department under central PII management.

3.3 Technology #3 -Fiber Cement Board (FCB) Department – A supporting technology:

This technology capitalizes on the pre-existence of a cement plant within a reasonable distance of a proposed SIPs manufacturing facility. FCB can be used as a substrate for building the panels and is highly recommended in areas where there are infestations of termites and/or a lack of wood products for making plywood or oriented strand board (OSB). However, SIPs can be produces using substrates made out of treated, high-quality plywood or OSB. OSB is not to be confused with particle board, an inferior product (called “chip” board), which will not be used by PII for SIPs products. PII proposes to joint venture with, or provide a license and equipment to, a local cement production facility for the manufacture of quality FCB. The use of Portland™ cement is highly recommended because of its superior, chemical “binders” used in

its mix with limestone. PII recognizes the importance of using a natural resource, such as limestone, that is readily available in your Country. The FCB Department will operate under central PII management.

3.4 Technology #4 – Products Distribution Center (PDS) Department – A supporting technology:

The SIPs products distribution center will be located next to the SIPs manufacturing plant and it will be the distribution center for all SIPs products. As the demand for Sip’s products increases throughout the residential housing construction industry, it will be necessary to pre-position Sip’s products in other high population areas. PII designed this technology to be another “Stand Alone” profit center that will operate as a separate and independent revenue source. PII’s management will form another department under PII supervision.

NOTE: PII is ever cautious in the use of its name and reputation for producing high quality products and constructing superior built residential and light commercial units. Hence, PII proposes the establishment of a Technical Training Institute (TTI) to train and certify all personnel involved in the many facets of SIPs production. The introduction of SIPs into your Country’s housing construction industry relies on TTI’s success.

Technology #5 – Technical Training Institute (TTI) Department – A supporting technology:

The primary function of TTI is to train and certify housing construction personnel that will be responsible for installing Sip’s products into homes and light commercial buildings. TTI’s management will function as the TTI Department, under supervision of PII central management. TTI will be responsible for training and certifying manufacturing and moving equipment operators, as well as warehouse, maintenance, administration, management, security, and safety personnel. TTI will handle courses in Computer Aided Design (CAD) and project software for plant managers, human resource personnel, and building design professionals.

A secondary function of TTI will be to maintain records of those who have been through the TTI training syllabus and have been properly certified. Through this recording process, TTI will be able to inform graduates of improvements and/or innovations in the SIPs construction industry. Additionally, only TTI graduates will be able to purchase Sip’s products, at a discount, for use in the building trades from the main SIPs Distribution Center or its satellite distribution centers (to be added as needed).

TTI will eventually form a non-profit subsidiary, the Country SIPs Association (CSIPA), for its graduates. The purpose will be to facilitate exchange of information concerning building techniques, product improvements, and common interests. CSIPA will circulate information concerning SIPs-built homes to its members and this process will benefit the association members financially. CSIPA will be an independent, non-profit organization.

As the use of SIPs increases in the housing construction industry, it will be necessary to train a number of six-person Sip’s installation crews. Each crew shall consist of a foreman and five assistants. Sip’s installation crews need not consist of highly trained carpenters in order to frame a house. Such crews may operate as independent contractors, but, because of tuition costs, many crews may be employed by housing construction companies.

TTI will observe national holidays and schedule all courses of instruction. TTI will be able to train up to 10, sixperson, Sip’s installation crews a month (i.e., 160-person hours of instruction) for 11-months/year. This rate of training will rely on the demand for Sip’s products. TTI’s production goal will be to train up to 110, 6-person crews per year. PII plans to “ramp up” production (at 4.44%/month), for 19-months. TTI could have 170, 6person crews (1,020 trained and certified installers) by the time the SIPs factory is in full production.

Each SIPs installation crew that completes the training and certification course will receive a pickup truck and a metal trailer. The trailer will contain all the tools required by the crew to install Sip's products. As part of their training syllabus, each crew will construct a SIPs model home. Tuition for training a 6-person crew is to be paid by their parent construction company. Tuition covers the cost of training, the pickup truck, and the trailer with its tool kits; the cost of the model home is priced separately.

Although TTI will, like the other departments, operate as a separate profit center, their management will function as the TTI Department under PII central management. TTI will be staffed with your Country instructors and quality assurance personnel who will have been carefully schooled by PII professionals to uphold the high standards of training and to enforce the rigid criteria for certification in all of its courses of instruction. TTI will become a training facility for other housing construction trades such as plumbing, electrical wiring, electronics, welding, carpentry, cabinet making, automotive repair, etc.

Since PII will be providing a fleet of pickup trucks, one to each graduating crew, TTI will also assume the function of providing automotive repair and maintenance facilities for those trucks and trailers. ITT will eventually expand its instruction courses to include office management and administration (business math, information technology, human resources, safety, security, secretarial and receptionist training).

4.0 FINANCING REQUIREMENTS

4.1 The Overseas Private Investment Corporation (OPIC):

PII has an excellent relationship with OPIC and has made presentations to their finance officers, supplied with documentation, for ongoing housing and community development projects proposed for Romania, your Country, Iraq, and Haiti. PII investors, with financial support from OPIC, can bring up to 60% of the funds required to finance all five of the above cited technologies for your Country. Repayment of any OPIC funding is a responsibility and risk of PII investors and their Country partners.

PII investors cannot commit their 60% share of funding until the remaining 40%, or more, can be raised by PII interested parties in The Republic of your Country. According to OPIC guidelines, the 40% funding can be from private and/or public sources, in the form of cash or equity. OPIC requires a written commitment from PII certifying that their overseas investment partners have committed the amount of funds required for the project.

4.1.1 The New Financial Development Model (NFD) – PII developed the NFD, which has earned the acclaim of OPIC and a number of other financial institutions, for the establishment of a process for creating "Revenue Bonds" to finance construction of entire communities in underdeveloped and developing countries. NFD acts like a "Revolving Fund" that allows financing for replicating community development projects to provide affordable housing in other countries.

4.1.2 OPIC's Project Funding Guidelines – Before OPIC will agree to fund a PWI-sponsored community development project, there must first be a commitment from investors in the country of interest (i.e., your Country), to fund a "*SIPs Manufacturing Facility Assessment*." That assessment has been funded through a cost-sharing arrangement with PII and is currently in progress in your Country. The assessment must be sufficiently accurate and thorough to allow OPIC's "*Office of Investment Policy*" personnel to approve OPIC's share of any funding.

4.2 Project Scope:

The projected costs for the transfer of the five technologies cited above (see Section 2.0) are approximately \$37,000,000 US Dollars (\$37M USD). In order for PII to obtain that magnitude of financing, it will be necessary to have a commitment or contract to use Sip's products in a minimum of 10,000 moderately sized homes. This number of homes may be in one or more residential communities in your Country. PII realizes that this number of homes is only about one seventh the number of homes actually needed in your Country per year.

4.21 Community Development -In addition to the five technologies to be transferred to Country, PII is also prepared to provide the necessary contracting (public and/or private) for complete community development. Development includes planning (with community inputs), site selection and preparation, access roads, streets, curbs, guttering, lot preparation, and utilities (water, sewer, and energy). PII planners understand the need for "green" areas for recreation and relaxation, schools, libraries, fire departments, police departments, and administrative offices, etc. PWI-planned communities allow for light commercial development in adjacent areas such as gas stations, convenience shops, and office spaces, etc.

4.2.2 Letter of Intent to Contract – PII has entered into a preliminary agreement with investors in both the United States and other Countries to contract for construction of approximately 20,000 moderately priced public housing units as well as a number of offices, commercial, residential and trade buildings. A formal agreement will be based on the findings and results of the *SIPs Manufacturing Facility Assessment*. That agreement will include provisions for planning and equipping new residential neighborhoods.

5.0 REQUESTS FOR GOVERNMENT SUPPORT

Basically, PII and its IN-COUNTRY partners are requesting government support in several areas:

- Information Gathering Process to complete the *SIPs Manufacturing Facility Assessment*.
- Letters of Intent to commit tracts of land for community development.
- Import Duty allowances to lessen the cost of importing manufacturing equipment; and • Financial support for creation and operation of TTI and the Installation Team training.

5.1 The *SIPs Manufacturing Facility Assessment*:

This task has been fully funded by your Country investors. While PII knows the questions to ask, they need support in obtaining accurate answers. Perhaps the Ministry of Communications could be instrumental in providing answers that will satisfy the evaluators at OPIC and, thereby, help PII to receive commitments from OPIC for partial funding of community development projects in Your Country.

5.2 Letters of Intent:

In order to ensure the financial success of the PII project for community development, PII respectfully requests financial support from the Country government by way of commitments to provide ample tracts of land, as equity in kind, for community development. PII realizes that such land will have to be fully developed. PII is ready to accept the responsibility for construction of access roads, streets, gutters, curbs, sidewalks, housing lots, etc., with cost-reimbursable funding from the government. Letters of intent will ease the task of obtaining local construction/building permits and licenses.

5.3 Import Duty Relief:

PII will have to import the SIPs manufacturing equipment and much of the operating equipment to establish a number of the proposed technologies. In this regard, PII is requesting the Country government provide relief from import duties

and/or taxes on such equipment. Inasmuch as each SIPs installation crew will be granted a new pickup truck and trailer with tools, PII is requesting import duty and/or tax relief for the import of these necessary adjuncts to the SIPs construction industry.

5.4 TTI Financial Support:

It is important to the overall success of PII attempts to improve a lot of your Country's middle-class in supporting the efforts of TTI to provide vocational skill sets to qualify your Country citizens. PII has proposed an ambitious training schedule of up to ten, six-person crews per month for the entire 19-months that it will take to make the SIPs manufacturing facility fully operational. Hence there is a need for a commitment from the Government to build a

minimum of 10,000 homes to provide: (1) jobs for the installation crews and (2) Sip's products for the residential and light commercial units. PII respectfully requests financial assistance from the Government in offsetting the tuition costs (\$175,000 to \$450,000 USD/crew) for TTI training, certification, and equipment.

SUPPORTING DOCUMENTATION

Supporting documentation has been provided as an attachment to this summary. If there are any further questions, or to arrange for further briefings, please contact Mr. John Stawicki, CEO or Mr. James Beeson, Promolont International, Inc., USA; telephone: +1 (954) 663-8900 or (954) 532-1429 Master Builders of South Florida.

Attachment your Project Summary for a Proposal to Transfer Technology from PROMOLONT

INTERNATIONAL, INC. to the WORLD Housing Construction Industry for Introducing the Concept of Using Structural Insulated Panels in YOUR COUNTRY By

CORPORATE SUMMARY & EXPERIENCE

A Vision – It is the vision of PROMOLONT International, Inc. (PII) to introduce structural insulated panel (SIP) technology to underdeveloped and developing countries throughout the world. PII hopes to accomplish this task by transferring technology and skill sets that will give people in those countries the ability to build affordable, well-built housing at a rapid rate.

An Objective – Beyond affordable and well-built housing, it is PII objective to use their technology and skill sets to help build sustainable communities. PII desires to pay wages sufficiently high enough to allow the people building homes with Sip's products to afford to buy and live in them.

Collaborative Efforts – Through collaborative efforts with public (government) and private sectors (including profit and non-profit organizations), PII can achieve their goals and objectives for a new development model that can be an example to all developing countries throughout Africa, if not the world.

Technologies & Skill Sets – PII technology holds the potential to develop physical and human capital in The Republic of Country (your Country) and to significantly reduce the current housing shortage with time-saving processes for constructing residential and light commercial units. The five technologies offered for transfer are:

- Manufacture of Structural Insulated Panels (SIPs) – The key technology.
- Manufacture of Expanded Polystyrene (EPS) – A necessary and supporting technology.
- Production of Fiber Cement Board (FCB) – A supporting technology.
- Creation of a SIPs Products Distribution Center (PDC) – A supporting technology; and
- Establishment of a Technical Training Institute (TTI) – A necessary and supporting technology.

Community Development – It is a belief held by PII management that the transfer of technology and skill sets to an indigenous work force in your Country will assist in the development of their resources (natural and human). PII “*Technology Transfer Program*” can contribute substantially to your Country’s social welfare by providing a methodology for construction of superior built, affordable residential units with adequate services such as electrical power, clean water, and sewage treatment to entire communities.

Goal – The goal of the *Technology Transfer Program*, in the near-term, is to generate a trained and equipped local work force that can manufacture the building products and construct thousands of homes in your Country. In the farterm, your Country could become an exporter of quality made Sip’s products to neighboring countries and the envisioned TTI could train Sip’s installation crews for those countries.

Methodology – PII plan is to construct a SIPs manufacturing facility in your Country that will begin with a 20% production capacity and grow to 100% capacity within 19-months. This rate of growth ensures the timely introduction of SIPs-based products into the residential construction industry. This rate is also commensurate with the training and certification of an adequate number of 6-person installation crews (one leader and five installers per crew). TTI will be able to train and certify up to 10, 6-person installation crews per month. Since your Country has available wood products, in lieu of FCB, it is possible to use high grade plywood or oriented strand board (OSB), but not”) board, particle (or “chip which is considered to be inadequate for panel construction.

A New Financial Development Model– PII, created and structured a “New Financial Development Model (NFDM).” It is a plan that, in its full context, provides detailed steps to be taken by organizations to secure funding for the development of complete communities.

NFDM Development – The NFDM is PII financial development plan. It is modeled on the program that helped rebuild much of the free world after the destruction caused by the Second World War. The “Marshall Plan” was instituted by the United States (US) to help restore the infrastructures and economies of nations that were in complete ruin. Without enumerating all of the many problems that existed after that war, it is sufficient to state that the Marshall Plan was devised to help the survivors get back on their feet and create sustainable communities.

The success of that effort was due to some enlightened citizenship and forward-thinking capitalism, as cited above, together with innovative financing and dedication of those most actively involved. PII is pleased to present this outline of their “New” plan for sustainable community development.

The NFDM is an innovative and creative approach to identifying and securing funding for economic development and is modeled after one of the most successful economic development plans ever created. The Marshall Plan was not only successful, but it brought economic rewards back to the US by increasing trade with those developing economies that benefitted from the efforts of that plan. Similarly, PII intent, with their NFDM approach, is to encourage continued

commerce between the US and its newly developed partners in your Country. The success of PII approach will create a “Win-Win” situation for both sides of the Atlantic Ocean.

NFDM Mission Statement – The NFDM mission is to help those interested and committed individuals accomplish the goals and objectives of their respective organizations and/or corporations to plan, fund, and develop sustainable communities in your Country.

A “Stand Alone” Document – The document was developed for use by non-profit organizations (NPOs) and non-governmental organizations (NGOs). The document, because of the financial sensitivity of its key components, is a detailed document of a confidential and proprietary nature. PII and SENAI reserve the right to share its contents only with partners who are committed to specific economic ventures, such as the development of complete communities in developing or underdeveloped countries.

Sustainable Community Development – PII representatives have been in direct contact with both NPO and NGO personnel concerning community development in your Country, East Africa. In this regard, the NFDM will provide a detailed plan which, when properly implemented, will help cultivate the growth and power of indigenous “Human Capital” for realizing sustainable community development in specific areas of the Country economy.

A Better Way of Life – The term, “Community Development,” as used in this document, refers to improvements in the “way of life” for community inhabitants through judicious use of available human resources, materials, and finances to:

- Increase the entrepreneurial skill sets of the population.
- Cultivate your Country’s indigenous human capital through principles of self-determination.
- Capitalize on the availability of your Country’s natural resources to aid their economy.
- Provide the necessary financial tools to help entrepreneurs determine their own future;
- Create economic opportunities for a more prosperous and sustainable lifestyle; and Assist your Country NGOs & NPOs in obtaining approval, support, and funding for their projects.

Risk Management – The NFDM is a risk management-oriented process that is based on a comprehensive analysis of accurate and objective data concerning client goals, project objectives, and area specifics such as infrastructure, resources, demographics, cultural impacts, etc. The NFDM starts, naturally, with the SIPs Manufacturing Facility Assessment, which has been financed by private investors and is an on-going step in the NFDM process.

Four Phases – PII incorporates four principal phases into their planning documents to describe actions to be taken by interested parties to determine the physical and financial feasibility of accomplishing their intended goals and/or missions. These four phases provide guidance on obtaining capital resources, performing strategic planning, defining, and accomplishing project objectives, and instituting adequate safeguards, controls, and security measures to ensure project integrity. The phases are:

Phase I – Due Diligence and Discovery – This phase involves a thorough process of information and data gathering, compilation, analysis, and documentation.

Phase II – Business Plan Development – Results produced in Phase I are incorporated into a “Project Business Plan” that includes a “Project Budget,” and a statement of the “Project Scope.”

Phase III – Project Financing – The financial planning process provides the critical analytical, business, financial, and engineering (scientific) services to reduce financial and physical risk in project accomplishment by providing clarity and proper as well as professional positioning of an intended project for adequate funding.

Phase IV – Project Development – Once the necessary assessment reports have been written and the recommendations acted upon, and the business plan has been successful in obtaining the requisite financing, then formal processing of strategic community planning and project implementation can proceed.

Prior to reaching this point in PII financial planning process, the NPOs, NGO's, and/or other stakeholders will have achieved a sense of ownership in the planning documents. Additionally, they will have clarification in their common purpose with established and realistic goals and objectives that will be consistent with their respective missions. It is at this point in the process that “Strategic Community Development Project Planning, Design, and Construction” can commence with the participation of all stakeholders.

Although there are always circumstances that can result in events with unintended consequences, for the most part, as far as possible, the planning, design, and construction documents should account for as many factors related to life in the planned community as possible. The completed NFDM will list numerous aspects of community life that will possibly impact the necessary planning, design, and construction process.

The following pages illustrate the versatility of SIPs-built homes and show some scenes from the manufacturing process.

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Preparing a panel installing a panel
cutting an opening preparing a window



A Promolont designed home can be pre-cut and shipped to the building site. Shipping includes windows and doors, tools for installation of panels, as well as all appliances, wiring, and plumbing materials.

A SIPs-built home in Dominica that was completed, inside and outside in one week. All materials were shipped in a single container to the construction site, including all the



necessary tools.

A small home built in South Africa in one day. The walls were Completed in two hours.

...

A SIPs production facility built by PROMOLONT International, Inc., in Fort Lauderdale Florida.

The walls are made from 4-foot (1.22 m) wide panels that are 24-foot (7.3 m) long.

PII also built a smaller SIPs production plant in Charleston, South Carolina, Ft Lauderdale Florida USA. Because they both have deep-water ports, PII can ship SIPs from that facility to almost any other port facility in the world.

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The photo to the left illustrates a stack of assembled panels shortly before they leave the hydraulic press. Each panel is coded with a unique number for tracking purposes. PII software tracks the sale of each panel and records all pertinent manufacturing data such as production date and hour (to identify the assembly crew),

humidity, temperature, compression pressure and time under pressure, and the type of substrate used [plywood,



Contact Us

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oriented strand board (OSB), or fiber cement board (FCB), etc.].

The photos above and to the right were taken from inside the SIPs plant in Charleston, South Carolina, USA.



A SIPs-built, small, single-family, home in

Minnesota.



⇒⇒



SIPs Roofs can be pre-assembled and hoisted into place, as shown to the

right, or they can be installed one panel at a time. ⇒⇒⇒

This lodge, built in Alaska by PWI, shows the versatility of building with SIPs.

Although SIPs products are relatively light and easy to handle, they are amazingly strong, and the panels are extremely rigid. Unlike cinder block, SIPs can withstand high winds (up to 200 miles per hour – over 300 km/hr), and they constantly outperform other types of construction in earthquake zones.

STEEL SIP Structural Insulated Panel with a Metal Skin on Both Sides

PANEL DESCRIPTION

PROMOLONT INTERNATIONAL Panels are pressure-laminated composites of baked, polyester coated steel or aluminum coil sheets that have been roll formed to produce a patented locking system; and computer cut and routed expanded polystyrene foam (EPS). These elements are laminated under pressure with an adhesive to produce a panel exhibiting high performance structural and isolative properties. The panels are custom laminated from white or ivory, cedar wood grain embossed aluminum coil, smooth aluminum coil, or 25-gauge smooth coated galvalume steel. Panels shall be 2" to 12" in overall thickness with an EPS foam core density of 1.5 lb./cubit ft. A lb. density panel will support loads up to 72 lbs. per sq. ft. combined with various wind loads in excess of 150 M.P.H. The foam core performs as a thermal barrier with thermo transmission of 0.0588 BTU/(sq. ft. hr. OF). On average every panel has a thermal resistance value of R-4 per inch. The panel is available in various skins ranging from aluminum to steel to a gal volume blend and width of 48" and lengths up to 53 ft. Tolerances for the panels are: width - 1/16", length 1/ 4", thickness - 1/16". The weight of a standard 4' x 8' x 4" .025-gauge steel panel is approximately 71.27 lbs. or 2.2273 lbs./sq. ft. Even though the panels are light, the system is structurally superior to conventional stud frame methods. The panel's high capacity to resist loads is due to the double "T" type beam design and the continuous interface of the walls and roof. Our Steel Structural Insulated Panel (SIP)

combines the energy efficiency of foam core building panels with a unique joint design that adds strength to the wall and roof units and simply snaps together. This panel design virtually eliminates gaps in the wall and roof. There is less settling or compressing, less moisture absorption or dust saturation, and considerably fewer cavities that permit convection or air circulation than in conventional framing methods. The internal fastening system provides a sealant reservoir, which protects the sealant from harsh elements. Deterioration of the sealant is reduced over time, which ensures that a waterproof bond is maintained. The patented connect on design also allows for a continuous foam interface for maximum energy savings.

BENEFITS OVERVIEW

SIP Benefits for Buyers

- **Two years ago, Norm Abrams of This Old House stated on TV and wrote in articles that he would not build his own house any other way than with SIPs. See the reasons below.**

Extremely strong structure: There is considerable evidence that homes with SIP wall and ceiling panels have survived natural disasters like hurricanes, tornadoes, straight-line winds, and earthquakes better than traditional stick-framed homes right next door. The interlocking design of the system allows it to harness the strength as one total unit instead of individual components.

Lower energy bills: Tests show that between 58% and 72% less energy should be needed to heat and cool a home with SIP wall and ceiling panels. In tests by Oak Ridge National Laboratory, SIP walls outperform fiberglass walls by over 50%.

Improved comfort: Thanks to extra R-values and tight construction, the wall and ceiling surfaces in a SIP home will stay the desired temperatures as well as provide a building with superior acoustic isolation from its environment.

Indoor Air Quality: The best indoor air quality is found in homes that are tight and equipped with upgraded mechanical ventilation. We include the Renewable Air Exchange System in our package which connects to your HVAC and not only filters the air but also has a thermal barrier to maintain temperature.

Green building product: On a life-cycle basis, a more energy-efficient house built with SIPs will be less damaging to the environment, in terms of overall resource consumption. Because of their prepackaging, remnants of material can be efficiently collected and recycled at the factory than on the job site. Also, there is no lumber used in a Steel SIP home and the foam core are composed of a non-toxic material.

Freeze proof: What happens if the power goes down? During the late 1990s, several New England SIP homes survived over a week without power or a wood stove and never came close to freezing.

Interactive systems benefits: For example, a more energy-efficient home may cost slightly more to build but in turn can be heated and cooled with smaller equipment that costs less to install.

SIP Benefits for Builders

- **SIPs can be a little intimidating to builders who have not used them. But experienced SIP contractors sing their praises. Many have switched exclusively to panels, citing the following reasons for their decisions.**

Speed of construction.

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You can order the panels with all pre-cutting performed in a factory. They show up on the jobsite all pre-numbered, ready for assembly corresponding to numbers laid out on a set of shop drawings. On most jobs you should be out of the weather and dried in sooner. Time is money.

Fewer framers: A crew can consist of one lead framer assisted by minimally skilled helpers. Whenever a job involves craning panels up to frame a roof, it helps to have two people familiar with panels: one on the roof and one on the ground.

Shell installation option: We have regular crews who will install a shell on your foundation for you to finish. Or as is necessary in most cases we can have a team to take your projects from the point of architectural plans to a turn-key home. We look forward to training qualified crews to work with our system.

Rigid frame: It is easy bracing SIP walls. In fact, once you have two corners' panels up, you can lean a ladder against the panels when needed.

Less jobsite waste: If you have ordered a set of panels with a rough openings form windows and doors pre-cut at the factory, the only true waste you will have is taking a few cases of empty tubes of adhesive caulk containers to the dump.

Less theft: While 2x4s and 2x6s are prone to "walking off" unsecured job sites, panels are too specific to the site's building system to be worth hauling off somewhere else. Also due to the quick build, the builder will have a secure lockable shell to store his equipment and tools in.

Cost competitive: In the design stage the structure can be optimized for use of panels, the most experienced SIP builders then say a house framed with SIPs should cost about the same as a house framed with comparably sized dimensional lumber, and maybe even a little less when factors such waste management, labor, holding costs, etc. are factored in. In construction, time = money, and the quick ease and precision build from start to finish is key.

Easier to hang drywall: There is solid backing for all drywall against exterior walls, which means there is less cutting, faster attachment, and less waste material. This also applies to the lessened need for shimming in other finishing areas such as molding and studs.

Fewer framing callbacks: Wall panels go in plumb, square and straight. Once in place, a SIP will not warp, twist, or check.

INSTALLATION

Panels are delivered on site precut to the building's specs Panels can be installed on a slab or an elevated floor system Simple Building System

Whether you plan to build a small- or large-scale building, you will find that the PROMOLONT INTERNATIONAL System not only meets all your requirements but is one of the simplest building systems available. The panels combine the structural system, sheathing, and insulation in a single step. PROMOLONT INTERNATIONAL Homes further simplifies construction by pre-numbering all panels and cutting them to exact lengths. Openings for skylights, windows and doors are also precut. The panels are also exceptionally light and easy to handle, which allows the project to advance very rapidly. The ease of installation reduces construction time considerably over conventional methods. This cuts labor costs and translates into substantial savings for the homeowner. The installation of a basic 1500 sq. ft. home (Inc. roof, wall, window and door openings require a 5-man crew and 4 days to build

ENERGY CONSUMPTION REDUCED 58% - 72%

There are many ways to achieve Energy Efficiency. However, when multiple layers and steps make building costly and time-consuming which defeats the principle of efficient building all together. **This system achieves such a high level of energy efficiency in 1 step which is what separates our system from the others and allows it to outperform wood SIPs, steel studs and conventional stick framing.** The PROMOLONT INTERNATIONAL Steel SIP system carries the Energy Star Rating which allows structures built with our product benefit from: When seeking compliance to standards such as the USGBC LEED Rating System and the NAHB Green Building Guidelines, PROMOLONT INTERNATIONAL is clearly a choice that makes sense. Research has shown that the operation of buildings is the largest contributor to global warming. Its carbon footprint is also reduced by up to 72%. Reducing energy use is the best way to reduce our impact on the environment.

INDOOR AIR QUALITY ENERGY EFFICIENCY

Energy Efficient Mortgages State and Federal Tax Incentives Lowered Utility Bills

A green building is a structure that is designed, built, and operated in an ecological and resource-efficient manner. Green buildings are designed to meet certain objectives such as protecting occupant health; using energy and other resources more efficiently; and reducing the overall impact to the environment.

MATERIAL COMPOSITION

LESS WASTE

Because the panels are pre-engineered and cut to building specs prior to delivery on-site, waste is dramatically reduced. This also makes recycling these scraps much simpler.

HIGH PERFORMANCE GREEN BUILDING TECHNOLOGY

Reused & Recycled Content

The entire panel is made from Recycled materials

Low Toxicity

All elements of the panel are non-toxic as well as the fumes released during combustion **High**

Recyclability

All waste produced during production is recycled

Durability &

The PROMOLONT INTERNATIONAL Panel System creates an extremely tight building envelope - meaning that virtually all wasteful air leaks are eliminated, resulting in an extremely energy efficient building with little energy loss. A Renewable Air Exchange System becomes the key to obtaining maximum energy efficiency in your home and is included in our package

INDOOR AIR QUALITY BENEFITS

ENERGY CONSUMPTION REDUCED 58% - 72%

There are many ways to achieve Energy Efficiency. However, when multiple layers and steps make building costly and time-consuming which defeats the principle of efficient building all together. **This system achieves such a high level of energy efficiency in 1 step which is what separates our system from the others and allows it to outperform wood SIPs, steel studs and conventional stick framing.** The PROMOLONT INTERNATIONAL Steel SIP system carries the Energy Star Rating which allows structures built with our product benefit from: When seeking compliance to standards such as the USGBC LEED Rating System and the NAHB Green Building Guidelines, PROMOLONT INTERNATIONAL is clearly a choice that makes sense. Research has shown that the operation of buildings is the largest contributor to global warming. Its carbon footprint is also reduced by up to 72%. Reducing energy use is the best way to reduce our impact on the environment.

ENERGY EFFICIENCY

Energy Efficient Mortgages State and Federal Tax Incentives Lowered Utility Bills

- Removal of Harmful Indoor Pollutants
- Protection from Mold & Mildew
- Moisture Control
- Elimination of Odors from Bathrooms, Pets and Tobacco Smoke
- Year-Round Fresh Airflow
- Easy Installation and Controls
- Simple Maintenance

In the manufacturing process, close attention is paid to every detail and only the finest quality materials are used. The waterproof adhesive has the highest ICBO approved rating and is carefully vacuum sealed using the latest technology. Dimensional inspections are performed in the shop to ensure that length, width, squareness, and thickness is within specified tolerances. Further shop testing is done to make sure that the finish meets applicable standards. Strict fire testing of the PROMOLONT INTERNATIONAL Insulated Panel was performed in accordance with UL standards. In the UL Test 1715, otherwise referred to as a "room burn test", the metal skins performed extremely well to the intense heat conditions and the fire retardant expanded polystyrene foam core did not contribute to the spread of the fire. Additional fire tests administered to the panel include ASTM 1929, which tests how the panel responds to flash and spontaneous ignition. ASTM-119. at one hour burn test on load bearing and non-load bearing walls, and ASTM-E84-95, which determines surface burning characteristics. In all these tests, the panels well exceeded industry standards. Humidity is one of the most destructive elements of nature. in regard to construction materials. Aluminum or steel laminated to both sides of the panel provides an impermeable barrier against the transmission of water vapor. The coefficient of permeability for the PROMOLONT INTERNATIONAL panel is 00, compared to a 2.4 coefficient for brick. The rating is determined by the quantity of water vapor that can penetrate the material in 1 hour/sq.ft. x 1 Hg. Mercury. The smaller the rating, the more impermeable the surface will be. The expanded polystyrene foam core of the PROMOLONT INTERNATIONAL panel has been tested in accordance with ASTM E90-6 1T. The transmission of sound for EPS was an STC of 51. A brick wall has an STC of 34 and block and STC of 38 according to ASTM E90-61T data. The higher the STC rating, the better the capability of the construction material to block sound transmissions through the walls of a home. PROMOLONT INTERNATIONAL Homes recommends that the interior walls be constructed of steel studs with a drywall exterior finish.

This method of construction has a STC of 36, similar to that of brick. Compared to a building envelope constructed of conventional wood frame 2" x 6", the use of SIPs can result in a shell that has more than a 58% better thermal performance overall, according to recent test performed by the University of Tennessee and the U.S. Department of Energy's Oak Ridge National Laboratory. The study tested and compared 18 wall systems - calculating standard R-values - but also calculating

how well heat flows through various wall materials (structure and insulation) and how well the walls connect to the other walls, flooring, roof, doors, and windows – called "whole-wall Revalues." The new study weighed the performance of the entire building envelope or shell, comparing whole-wall R-value performance for concrete, wood, metal. The outcome showed SIPs to be one of the tightest building envelopes in construction. The window and door standards of PROMOLONT INTERNATIONAL Homes also satisfy high industry standards for thermal performance according to ANSI/AAMA specifications for Florida and Texas.

PANEL TESTING

Fire Testing

Humidity Transmission

Information

Acoustic Information

Tests Prove SIPs Tops in

Thermal Performance

Window and Door

Standards

NO MOLD, NO TERMITES

Resistance to mold means very minimal cleanup in the event of flooding and a clean environment for those who suffer allergies. The PROMOLONT INTERNATIONAL panel's steel skins are filled with an insect resistant foam and offer no food value to insects.

MINIMUM SAVINGS over \$10,000

\$4,500 Mold Remediation

(\$2,000 - \$6,000 General Estimate)

\$6,000 Termite Contract

(\$3,00 Initial Fee)

(\$3,000 Yearly Renewal \$100 x 30 yr.)

FORCES OF NATURE

PROMOLONT INTERNATIONAL has an interlocking panel design which creates a **continuous wall and roof**. This allows the structure to become one unit and use all its capacity to **support vertical loads** as well as provide resistance to **local loads, buckling, and bending**. This is why a SIP structure, when hit by a tornado, may move off its foundation, yet will stay intact. Because structural failure is highly unlikely, SIPs carry the **highest seismic rating** in California. Also, PROMOLONT INTERNATIONAL structures have a renewable 10-year warranty to withstand winds up to **150 mph**. Many times, in the event of wildfires, homes are not in the direct line of fire. It may be a single ember that lands on the roof or flames that follow a wooden fence to penetrate one of the walls of the home. With the steel skin of an PROMOLONT INTERNATIONAL panel, it will take a fire **longer to penetrate the envelope of the home** allowing for **longer escapes time** and possibly result in no penetration at all. Resistance to mold means very minimal cleanup in the event of flooding

and a clean environment for those who suffer allergies. The PROMOLONT INTERNATIONAL panel's steel skins are filled with an insect resistant foam and offer no food value to insects.

ADDENDUM A1

WORK EXPERIENCE

PII was founded in 1972, Promolont International SA was formed in France in 1981, Hong Kong in 1993 and then PII was registered in Florida in 1999 and PII Limited in the Bahamas 2000 and other registries in Italy and Poland. These two Independently successful companies had strategically aligned and operating as Joint Venture Partners in 2008 as leaders in their fields of Commercial and residential Development in Third world emerging growth Countries which are willing to go GREEN and have the understanding of the new technologies that our design teams from the University of Shanghai Architectural and Engendering School in Shanghai China one of the leaders in GREEN technology and the most innovative GREEN Architects and Engineers school as well as our Architects and Engineers in house staff.

Through our innovative construction techniques PII/MCCCP/MBSF have developed into a Specialty Development Company. We design GREEN Cities for the understanding Market. The acquisition and Partnership with Master Builders of South Florida allowed the Company to expand its construction services and complete projects to a higher specification.

PII/MCCCP/MBSF has successfully completed major projects in more than 12 Countries including. We design, develop, finance, manage, engineer, and build projects. Over US\$500 billion of construction services provided to private developers, as well as the Governments around the world. We have consistently prepared for and exceeded our client's expectations. PII/MCCCP/MBSF symbolizes the strategic vision of our founders to build a better GREEN World with an exceptionally high standard of finish and detail - on time and within or under budget - integrity. Successful projects depend upon Leadership, Teamwork and Strategy. This is how PII/MCCCP/MBSF is at the forefront of the construction industry. We offer our staff a stimulating work structure in which they are motivated to achieve their maximum potential. Combining technical achievement, continuing education programmers, with innovation is why PII/MCCCP/MBSF has attracted a uniquely qualified group of sophisticated professionals with international project experience. With our team of seasoned professionals wielding the best-maintained plant and equipment in the region, we are able to deliver projects under difficult conditions and in the tightest possible timeframes. Our companies' leaders have over 120 years of combined industry experience, permitting complex risk and multi-task management with a no nonsense

approach to deadlines. The organizational and management structure is founded upon the cornerstone of Director and Senior Management experience.

Lead Project Manager for PII: John Stawicki, CEO/ Owner PII

Project Name: **Hong Kong Airport** Client: **Chinese Government** Project Manager: **Promolont International, SA**

PII was the Project Manager of the Airport Project working directly for the Chinese Government as their Project Manager total control of the project **\$394Billion US Dollar** project was completed in 6 years which a savings to the Government of 1 year and a savings **\$96Billion USD** and many more projects around the world.

MCCCP Lead Project Manager: Faisal Kasim, Managing Director

MBSF – James M. Beeson, Jr. – Construction Management & General Contracting

Promolont International, Inc. / EBI Limited (owned by PII)

Major Resort and Housing Projects in Bahamas under development since 2001 to present:

Resort and Housing Development

This project is a pure development project solely owned by John Stawicki of PII Development. It involves the development of approximately 87,000 acres of land, nestled in the Island of Eleuthera EBI International, LLC and EBI International Limited present to you for consideration the Eleuthera, Bahamas comprehensive development project. The project will be centered on the southern half of Eleuthera Island, located in the Bahamas approximately 250 miles to the East of the Eastern border of the United States, off of Florida. Eleuthera consists of approximately 250,000 acres of land. Our project known overall as EBI International, LLC is comprised of the following: 47,000 acres is privately held land and 40,000 acres is Government Crown Land including seabeds for a total of 87,000 acres. Twenty-five to Thirty percent of the 47,000 acres purchased by the developer will be utilized as green space, parks, and playgrounds. The remainder will be used for actual development of the hotels and residential condominiums, town houses and home sites as described below. The utilization of the Government Crown land, 40,000 acres, will be for the benefit of Bahamians. This land will be used, inter alia, for the Bahamian work force in the housing development which **PII/EBI will build and finance** for Bahamians living and working on the Island of Eleuthera. On this land **PII/EBI** will also build schools, police and fire services buildings, hospitals, clinics, museums, cultural art facilities and Government offices. EBI will also renovate Governors Harbor Airport at North Eleuthera Airport, EBI will extend the runway to 9,000 feet expand the FOB facilities, and construct, a new International Terminal Building. In addition, the Rock Sound Airport will be completely renovated by extending the runway to 14,500 feet, constructing a new terminal building and hanger space, as well as expanding the FOB facilities and installing an ILS approach system, All the airports will be upgraded to include proper fire and safety units as well as new age passenger security systems.

An overview of this newest five plus star/diamond project follows:

The development team has envisioned the newest exclusive resort destination in this region of the world with all of the attendant amenities and innovations. This will include nine world-class hotels, a casino, a state-of-the-art health spa and wellness center, three marinas including a deep-water port-of-call for the ultra-luxury class of yachts ranging from 40 feet up to and in excess of 550 feet, as well as over 26,000 residential units for the vacationer or resident of the highest quality in the world. The housing construction will be phased in over a 7-to-

10-year period. EBI will retain ownership of all the hotels, marinas and golf courses but will select Flag Management teams to operate some of the facilities.

The Eleuthera project is second only to the Dubai Palms Project in size and scope. EBI will be a Green Island, built for the pleasure of all, and will be a show place setting a new standard for other countries.

The project will be constructed to standards exceeding the Bahamian building codes as well as Miami Dade Codes in the USA. Due to the island's location in the area known as 'hurricane alley', EBI has paid close attention to the development's ability to withstand high winds and water intrusion. The construction methods, the Well-built and housing System, which are already approved in the Bahamas, can withstand 215 mph sustained winds for residential structures, and in excess of 275 mph for commercial buildings. The buildings will withstand a category 5+ hurricane with minimal damage.

Purpose:

The purpose of this proposal is to generally outline the project construction activity and a budgetary cost of design and build of Ten Thousand (10,000) low to middle income houses primarily for the residences in Ghana and to a greater extent the population of Ghana.

Proposal Submitted by Promolont International, Inc. and MCCCCP Capital

3.0 Introduction

The Construction of infrastructure for residential housing development including the road systems is part of Ghana's new development program for the upgrading and improving housing for the population of Ghana introduced by the current government. The project will be under construction for a period to be determined to include the following scope.

- **Develop a finance program for the Government**
- **Client Input and confirmation**
- **Client Brief for the project.**
- **Outline Planning for Review.**
- **Design Civil Infrastructure.**
- **Design Residential Unit.**
- **Final Preparation of Designs**
- **Planning Permission.**
- **Construction.**

3.1 Scope

3.1.1 Scope of the Document.

The scope of the document is to outline the process for the construction of the proposed housing development project in Ghana.

3.1.2 Scope of Work

The Project involves the Design, **Finance** and Construction of the Infrastructural Works and Housing Units on approximately 500 acres of secured land in Ghana to be determined by the Ghana Government. The development will comprise the Construction of approximately Ten Thousand Houses (10,000) Low to middle income houses plus the infrastructure for the housing project roads, Power plant, Sewage treatment, Water Processing, Schools, Clinics and Recreational Buildings for the residences of Ghana. For the Infrastructure designs and works PII/MCCCP will recruit local Consulting Engineer, General Contractors in conjunction with Ghana National Housing Ministry as the Prime Consultants for the works for professional Input and to be part of the PII/MCCCP/MBSF Design Team to ensure that the highest standards and appropriate designs are met. The designs of the units, which comprise the development, are of rectangular forms with the flexibility for future extension. The design strategy is to maintain a simple layout and to provide a structure of robust elements incorporating the use of traditional building methods and materials and the necessary skills in arriving at the most economic proposal Minor variations to the facade and roof details together with a range of different external paint colors will be incorporated into the designs to avoid a 'monotonous' appearance to the development. The Design and Construction of the Infrastructural works and the Family Units will be carried out in accordance with all local applicable Codes and Standards. The Work comprises the construction of four-story apartment buildings to be constructed using the patented formwork system. The formwork system Forsa is a versatile, practical, and revolutionary system of modern construction that allows you to construct a house per day. The scope provides for the installation of Water Supply Systems, Sewerage Disposal System, Electrical Infrastructure, Storm Water Drainage Systems and Roads and associated infrastructure.

Infrastructure

Water Supply

The facility to be served with service main from **General Electric** and their water purification unit then distributed downstream to the facility and buildings. The mains would form part of the final designs.

Sewer Treatment System

The scope for the treatment of sewer for development is the installation of individual septic tank and soak away arrangement that require little or no maintenance. They require some degree of space but can be incorporated on the individual's plots. This again can be a central plant by GE

Electrical System

Electrical supply is similar to the UK, US standards supplied from **General Electric**. The main supply we are intending to use for 10,000 houses will be a 15 Megawatt EXPANDABLE to be decided by GE and Ministry in Ghana. We are yet to determine the main power supply to the development and would form part of the Final Designs to be carried out by the Government of Ghana. See addendum

Air Conditioning System

Not Applicable.

4.0 Organizations and Responsibility

Promolont International Inc. has completed successfully major Civil Engineering and Building projects both locally and regionally since its inception. PII have been awarded the prestigious Business of the Year Award 2005, 2006, 2007, 2008 and 2009. Our Board of Directors have been the world of finance from the Governor General of the New York Stock Exchange Mr. Phillip Pierce and the ex-CFO of Bank of America London office and others. We have a wide range of local and international personally with a wide range to experience. We demand and maintain a safe environment on our projects and achieve high level of productivity and workmanship. Our site team we be composed of the following key personal.

4.1 Regional Project Manager.

Overall responsibility and direction of Project Management activities include Planning, Budget, Schedule, Construction Management, Staffing, Operation Plan Procedures, Construction Coordination, Quality Assurance and Quality Control including Field Surveyor, Construction monitoring and contract administration, attend meetings with Consultants, Clients, and interface with Government Agencies. Issues progress to management, Consultant and Client. Responsible for all contract negotiations with Client, Consultant, Sub-contractors and Vendors Review and approve all expenditure invoices, payment to Sub-contractors and venders.

4.2 Expatriate Construction Manager.

Daily planning, scheduling, sequencing, and coordination of construction work activities. Ensure schedules are met, technical direction to craft and supervise on site. Prepare and maintained daily log and reports. Ensure Quality Control and Quality awareness program are maintained. Coordination test procedures and pre and posttest activities with Consultant and Clerk. Develop work list activities and ensure they are carried out to meet schedule. Execute take off from Drawings and Specification for ordering material and vendor supplied materials. Daily inspections of work to ensure they confirm to specification. PII/MCCCP/MBSF will include training of local staff to managerial positions.

4.3 Local Construction Manager.

Daily planning, scheduling, sequencing, and coordination of construction work activities. Ensure schedules are met and give technical direction to craft and supervise on site. Prepare and maintain daily log and reports. Ensure Quality Control and Quality awareness program are maintained. Coordination test procedures and pre and posttest activities with Consultant and Clerk. Develop work list activities and ensure they are carried out to meet schedule. Execute take off from Drawings and Specification for ordering material and vendor supplied materials. Daily inspections of work to ensure they confirm to specification.

4.4 Expatriate Senior Quantity Surveyor.

Overall responsible for budget, cost estimates, valuation, and construction cost activities. Monitor project budget report to the Project Manager, responsible for all contractors' negotiation with sub-contractors, vendors, suppliers, and clients. Responsible for local and international procurement, negotiations with vendor supplied items and systems.

4.4.1 Quantity Surveyors Assistant.

To assist the Senior Quantity Surveyor

4.5 Expatriate Senior Site Engineer.

Overall responsibility for setting out work and all engineering surveying function on site. He will also be responsible for Quality Control function as well as Quality Assurance.

4.6 Site Engineer.

Overall responsibility for setting out work and all engineering surveying function on site. He will also be responsible for Quality Control function as well as Quality Assurance.

4.8 Engineers and Engineer Assistant.

4.9 Senior Supervisors.

Responsible for day-to-day work activities The Supervisor will ensure work is carried out in an orderly manner and at the same time ensuring quality is maintained. We are well aware of the expected final product so we would employ site team members who are competent and have the skill required to execute the works.

4.9.1 Safety Officer.

Responsible for maintaining a safe working environment, report to the Project Manager.

4.9.2 Office Manager.

Responsible for day-to-day work office activities; Routine office manager duties including typing, filing, telephone communication, reception services as required to monitor administrative function to a high standard.

4.9.3 Secretary.

Report to Project Manager

Routine secretarial duties including typing, filing, telephone communication, reception services as required monitoring administrative function to a high standard

4.9.6 Security **4.9.4 Site Clerk/Storekeeper.**

Responsible to the Project Manager for ensuring stock in material is in an orderly and organized manner. Proper recording on site for materials plant equipment Fixtures and filing Report to the Project Manager.

4.9.5 Expeditor

Daily delivery of materials, stocks and plant form supplies for plant and head office.

Full time security personnel on site (24 hours) to avoid pilfering and theft to materials, plant, company assets and finished installed work.

5. Quality

PII/MCCCP/MBSF have maintained extremely high standards and produced quality work for all projects. We have in place a quality plan to maintain quality and produce extremely high standard of workmanship. We delegated our Senior Engineer responsible for Quality Control Assurance Program. We have in place construction procedures and standard forms to maintain Quality Plan. Quality Control procedures will provide clear guidelines which will be carried out throughout the project. Quality Control documents and procedures for each phase of the project will be submitted for the Project Manager approval. Quality Assurance documents will be submitted to the Project Manager for information and will form part of the project dossier at the time of handover.

- Standard Proctor ICBR
- Concrete Cube Test
- Concrete Cylindrical Test
- Slump Test Report
- Reinforcement Inspection Sheet

- Formwork Inspection Sheet
- Concrete Placement Record Form
- Concrete Pour Card
- Survey Inspection Sheet
- Building Inspection Form
- Holding Bolt Inspection Report
- Structural Steel Inspection Report
- Welding Inspection Report
- WPS Report
- Bolt tensioning Report.
- Hydrostatic Testing Report
- Electrical HV High Pot Testing
- Electrical LV Certificates
- Ventilation and Air Conditioning CFM values.

6. Time

6.1 Schedule

The project schedule is developed on a time base line for the project. A detail program is attached for the project for information. We developed the program using Our Project Schedule. The Project Schedule identifies the following:

- Contractual and Internal milestones.
- Construction interferes and coordination with other services.
- Critical Path

- Logical sequence of activities.

The project Schedule is presented in the form of a bar chart with activity code, description planned staff and finished date and resulting bar. The Project Schedule is detailed as required for the project discipline work execution, coordination, and control. The project schedule for construction of the project to include the Landscaping works. Sub-contractors of PII/MCCCP/MBSF and any Nominated Subcontractors are required to produce their own schedule in compliance with the master schedule, with procurement, construction, and any coordination issues. We will coordinate our schedule with the Project Manger master schedule.

6.2. Progress Control

Physical progress will be measured and applied to the project schedule and analyzed against the baseline and used to produce a forecast. Also, weekly progress schedule will be produced as week look ahead to monitor progress. Daily progress reporting will be implemented for commencement date and will be entered as part of our overall program. PII/MCCCP/MBSF will schedule weekly progress meeting with sub-contractors and biweekly meeting with our services sub-contractors to monitor progress and resolve any coordination matters.

7. Engineering

PII/MCCCP/MBSF will be responsible for any engineering design on the project.

8.0 Procurement and Sub-contracting

Material will as much as possible be locally purchased providing that quality, deliverability and price are comparable with the current market prices. Material locally not available will be procured on the World Market

8.1 Vendor Control/Nominated Suppliers

PII/MCCCP/MBSF will monitor the following phases of the project with a Procurement Schedule developed by PII/MCCCP/MBSF and to review at our weekly meeting to ensure we resolve any procurement issues with Vendor supplied materials and equipment.

- Execution Phase - Progress Reporting.
- Physical Verification by PII/MCCCP/MBSF•
 - Checking Phase - Production Quality of Records.
- Internal Auditing• QA/QC Verification.

We will produce a tracking system to track all procurement delivery from all vendor shop to the site. We will produce a document - Procurement Schedule that will track all International as well as local vendors and update at our regular progress meetings.

8.2. Sub-contracting Control

The performance of our sub-contractors will be monitored, and preventative action will be taken with regard to material delivery. Planning Phase - Working Plans Schedule

- Organization and Structure
- Reporting Execution - Progress Reporting
- Physical Verification of Work on Site on a weekly basis
- Weekly progress meeting to monitor progress and reporting Checking -
- Production of Quality Records
- Disposition of RFIS
- Change Order / Variation Order
- Reschedule / Construction Program

9.0 Mobilization

Initial mobilization comprises all necessary equipment, materials, and facilities to set up the site offices, stores, workshops, and fabrication area including associated utilities. The funds necessary must be available before any work is started.

10.0 Construction Method

The construction process will be described in detail in a later section.

10.1 Equipment

The following major equipment will be submitted for use for the construction of the works at a later stage of the project.

11.0 Information and Communication

All personnel will be available to the Ministry of Housing and in turn Ministry of housing personnel must be available to PII/MCCCP/MBSF at all times

11.1 Reporting Schedule

The schedule covers mainly external reporting and consists basically of Monthly:

- Progress Contractor Schedule
- Equipment Usage
- Three Week Look-Ahead forecast progress
- Three Week Look-Ahead forecast personal
- Procurement Schedule Update
- Technical Queries, resolved and unsolved

11.2 Meetings

The following meetings are established during the construction phase:

11.2.1 Weekly **progress meeting** with internal staff to review:

Construction Progress
Procurement Issues
Design Issues.
Safety Issues

Participants: Project Manager, Quantity Surveyor, Construction Manager, Site Supervisor, Safety Officer.

11.2.2 Bi-Week **Sub-contractors Meeting**

- Progress.
- Design Issues.
- Construction Issues.
- Conventional Issues.
- Safety Issues.
- Coordination Issues

Participants: Project Manager (PII), Sub-contractor, Construction Manager, Client representatives, MEP Consultant, Architect's representative.

11.2.3 **Client Progress Meeting** • Time and Regularity to be determined.

- Progress.
- Design Issue.
- Construction Issue.

- Conventional Issues.
- Engineering Issues.
- Sub-contractors.

Participants:

- Project Manager (PII), Project Manager Client Representative, Consultant

13.0 Site Layout and Building Specifications.

PII/MCCCP/MBSF have provided in our proposal the construction of ten thousand houses, Infrastructure buildings to be constructed using the patented formwork system -- practical and revolutionary system of modern construction that allows you to build a house per day. The scope provides for the installation of Water

Supply Systems, Sewerage Disposal System, Electrical Infrastructure, Storm Water Drainage Systems and Roads and associated infrastructure.

14.0 Outline Specification

Materials:

Materials shall so far as be procurable be of the best quality consistent with the character of the work and obtained from a reputable manufacturer or supplier.

Preliminaries:

The contractor will provide everything necessary in the way of preliminary items for the construction of the project and will take out insurances against claims by third parties arising out of the construction works.

Infrastructural Works

The Infrastructural works include the design and complete installation of the following

Drainage

The drainage works consist of construction of drainage structures, including precast concrete invert drains and reinforced concrete and block work box drains, cylindrical pipe culvert and block work transitions between box drain and any existing ravines.

Road works

Roads will be generally constructed with a suitable crushed stone aggregate base course of approximately 50mm with **ROADZYME** and/or asphalt concrete surface. The asphalt concrete will be placed, as programmed, in two layers with the initial layer during construction of the Units for vehicular traffic and protection of the base course during the rainy season. The final layer will be applied prior to the phased handovers.

Water Reticulation

Water Reticulation works consists generally of all service mains, fittings, valves, and fire hydrants required.

Sewer Installation

The scope for the treatment of sewer for development is the installation of individual septic tank and soak away arrangement that require little or no maintenance. They require some degree of space but can be incorporated on the individual's plots.

Electrical Infrastructural Work

Ghana Electrical supply is similar to the UK standards supplied from. The main supply is 440/220 Volts, 50 Hz frequency. We are yet to determine the main power supply to the development and would form part of the Final Designs to be carried out by Ghana Power or our Company. TO BE DECIDED AT A LATER DATE.

Cable and Wireless Infrastructural Work

This has not been allowed for in our proposal. Any upgrading of existing services, particularly water, sewage and electricity supplies beyond the site boundaries has not been allowed in this proposal and any such 'upgrade' required would be provided by Ghana Housing Ministry.

HOUSING UNITS

House Type:

Three house type units are to be constructed on the development, being:

1. Single Story Three Bedroom detached units of approximately 1058 square feet inclusive of the integrated car port which occupies 186 square feet.
2. Four Story Three Bedroom Duplex Units of approximately 1005 square feet.
3. Development of 10,000 square feet of free space for future development of High-End Multi-Family Units approximately 10,000 +/- square feet of floor area.

Construction of Housing Units Generally

Proposal:

The Design and Construction will be carried out in Accordance with all Applicable Codes and Standard in respect to the location and construction of the proposed Development which Comprises of the following. All the specifications below are our recommendation but not necessarily the exact specifications we will use this will be up to the Ministry of Housing and price:

Foundation and Floor Slabs

PII/MCCCP/MBSF have allowed for clearing the site of existing vegetation and removal of debris. Foundations and Floor Slabs of the single-family unit and the apartment building will be constructed in a post-tensioned system and shall comprise of reinforced concrete strength. The final designs will be determined by analysis of the ground conditions.

External Walls

External walls to the middle-income units are to be constructed of reinforced concrete utilizing a proprietary formwork system. The Apartment units will be constructed in 6" reinforced concrete walls where the design necessitates. The minimum height of exterior walls will be finished floor to the wall plate and the slope of the roof should accommodate future expansion without the need to change the pitch of the roof.

Internal Walls

Internal walls are to be constructed in 4" reinforced concrete utilizing a proprietary formwork system.

Roof

The roof shall be designed to be hurricane resistant and will be constructed from an all-steel frame of appropriate design. **This is a design that could be used but not to be a definitive design it is a**

recommendation ONLY. Rafters are made up of Galvanized steel 6" C-portions at, a maximum of 8'0" cts and Galvanize steel nailers of 4 Z-purloins" @ a maximum of 3' 0" cts Alumina roofing 28-gauge sheets in full length fixed with roofing screws using neoprene washers. Ridge capping 18" girth and shall be 24G Alumina. Eaves shall be approximately two (2') foot wide.

Ceiling

The interior ceilings to the upper floor of the apartment and middle-income units shall be a suspended metal frame with mineral fiber tiles 2' x 2' fixed with hold down clips.

Doors

External doors shall be 36" x 80" solid core flush doors including metal face finish. Internal doors shall be 32" x 80" hollow core flush doors with a hardwood lip for the bedrooms and 28" x 80" hollow core flush doors with a hardwood lip for the toilet and shower. Hardware shall include Quickset, or equivalent, cylindrical private locks for the internal doors and Quickset, or equivalent, cylindrical entry locks keyed on one side for the external doors. All external doors shall include a 4" chrome plated tower bolt. Three 4" butts shall be used on all external doors and two 3" butts shall be used on all internal doors. Aluminum door frames shall be used throughout.

Windows

Standard units: Windows shall aluminum casement windows in aluminum frame. The minimum area of window opening shall be ten percent (10%) of the floor area of each room. Alternative materials may be used subject to the approval of the SLNHC. The windows for the single story detached will be manufactured with a vinyl finish and shall include plain glass slider windows in lieu of the above

Wall Finishes

The walls of the units shall be finished fair to a reasonable level as provided by and dictated by the proprietary formwork system. The walls will not be rendered or 'slicked smooth'. Ceramic wall tiling shall be provided in the shower stall only at a minimum height of 72 inches. A 12-inch x 24-inch tile splash back is to be provided above the face basin. An 18-inch x 30-inch mirror shall be provided above face basins.

Painting

PII/MCCCP/MBSF have allowed for painting to internal or external walls with two (2) coats emulsion paint. All wooden and metal surfaces shall be properly prepared before applying one coat of a suitable primer and two (2) coats of oil paint.

Floor Finishes

All floors shall be finished with a power floated slab except in the shower stall area where 150mm x 150mm non-skid ceramic floor tiles and 150mm x 150mm glazed ceramic wall tiles are to be provided. The Single Story detached units will include ceramic floor tiles to the kitchen area.

Joinery

The kitchen sink (Single Bowl) would be fixed unto a cupboard unit complete with two doors and hardware and be fully laminated with a hardwood lip on all edges. A minimum of one kitchen units will be provided for the single-story units and one for units for the apartment unit.

Electrical Services

The provision of electrical services shall satisfy the requirements of the Ghana Electricity Commission and the Electrical Inspectorate. The main panel box, main breaker and main supply cable have been sized to provide a 60 Amp service to the unit. A fused spur for a 'future' water heater will be provided. Incoming power has to be arranged by Ghana power company, (no cost allowance has been included for this in the proposal) PII/MCCCP/MBSF will terminate at eaves level of the dining/living area to each dwelling for main connection by others.

Plumbing Services

The provision of Plumbing Services shall satisfy the requirements of the Water and Sewerage Authority (WSD). The units will be provided with a full cold-water supply and provision of pipe work and fittings for a hot water supply. The following fixtures have been included in our proposal:

- The kitchen sink shall be stainless steel single bowl, single drain board with a chrome plated brass kitchen faucet (C.P.), mixer tap and a C.P. angle valve.
- Each bathroom will be provided with one white glazed ceramic toilet set complete with heavy-duty toilet seat and cover and C.P angle valve.
- The stated number of white ceramic face basins complete with a suitable mixer tap and C.P. angle valve.
- One C.P shower rose (suitable for mixed hot and cold-water supply)
- One C.P valve
- One C.P foot tap
- Surface mounted ceramic soap dish for each WHB
- One surface mounted toilet paper holder for each WC
- One laundry tub
- One garden tap

Any Water Heater is to be provided and installed by the Owner/Occupier. Any incoming supply outside of the boundary of the site to be carried out by and is excluded from this proposal.

External Works Aprons

PII/MCCCP/MBSF have allowed for driveway strips of ROADZYME and a minimum 2'6" wide for each property.

Landscaping

No landscaping has been allowed, only leveling the existing subsoil to receive topsoil by others

STATUTORY REQUIREMENTS

PII/MCCCP/MBSF will adhere to the relevant guidelines of the various competent authorities and will ensure that the appropriate criteria have been used in this development. Upon implementation of the contract,

II/MCCCP/MBSF will accept the responsibility to seek and obtain all relevant approvals for the project at the appropriate time.

AS-BUILT DRAWINGS

PII/MCCCP/MBSF shall notify Ministry of Housing Ghana (MHG) in writing of all departures from the drawings whether previously approved or not and shall provide MHG with record drawings of all such changes of the execution of such changes. PII/MCCCP/MBSF shall assist MHG in gathering record drawing information by providing notice, access and assisting in measurement as requested. Should PII/MCCCP/MBSF encounter any utility or underground structure, whether in service or abandoned, then PII/MCCCP/MBSF shall provide MHG with this information.

CONTRACTUAL

PII/MCCCP/MBSF propose that an Agreement is reached with the Ghana Developer and the MHG for the Development and that the Contract Agreement incorporated is to be the ‘General Conditions of Contract for PII/MCCCP/MBSF’. The MHG are to ensure that this development is included in the financing facility scheme and must be established with the Ghana Banks and Government prior to starting the project.

PROGRAM OF WORKS

The construction program has yet to be fully developed but is provisionally assessed as follows:

1. Contract Agreement reached (Date to be decided)
2. Commencement of infrastructure works (Date to be decided)
3. Commencement of construction of houses (Date to be decided)
4. Completion of Development (Date to be decided)

General

The Ghana Housing Ministry has the ability of subsidizing the cost further by the construction of units on the high-end plot. The cost of this subsidy would be submitted in a further document upon request by the MHG.

Pricing Analysis

Housing Units Type

- a. Single-Story Middle-Income Family Unit (650 to 1058 sq. ft.)
- b. Four Story Townhouse Unit

Total including Infrastructure Cost and Preliminaries Provisional Sum Allowances included in the above sum for Infrastructure works (Associated Preliminaries Overheads and Profit) are:

- a. Single-Story Middle-Income Family Unit (1058 to 1750sq It)

b. Four Story Townhouse Unit

c. infrastructure for the 25 lots for the High-end Units

We wish to qualify the following as it pertains to our offer:

1. Our offer is based on the following attached drawings for the Apartments Building, three-bedroom Family Unit and Infrastructure layouts.
2. We have no provision for retaining structures.
3. All duties, levies, and taxes (Including Consumption Taxes) to waived on the project.
4. No allowances for landscaping works
5. No allowance for HV Electrical Infrastructure.
6. Note all currency in US Dollars.

The following is the resume of the General Contractor.

Company Name: Master Builders of South Florida, Inc.

Country of origin: United States of America

Contacts: James M. Beeson Jr. and John Stawicki Executive

Summary:

Company History: James M. Beeson, Jr.

Education: Bachelor of Civil Engineering, Georgia Institute of Technology

James M. Beeson, Jr. founded his first company in 1974 with a vision and goal to utilize his skills, integrity and experience in construction, engineering, and development to organize and establish a quality construction and development business in the Southeast.

With the addition of Scott Segraves and Blake Beeson to the Master Builder’s Team, we are positioned to continue with steady quality growth in the residential, commercial (retail) and industrial (warehouse) areas. Construction projects completed by Master Builder’s Team totals over 1 billion dollars. Master Builders is a management oriented “hands-on” construction company with a reputation for high quality and dependability that serves it well in establishing and maintaining excellent relationships within the construction industry.

James M. Beeson, Jr. has over 40 years in the construction business – from field supervision to design & build turn-key project management and day to day business activities.

Jeffery Scott Segraves has over 20 years’ experience including all phases of construction from field layout, supervision, bidding, contracts and managing various types of projects.

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James Blake Beeson has over 20 years' experience including all phases of construction from field layout, supervision, bidding, contracts and managing various types of projects.

SUMMARY OF EXPERIENCE

Forty years' experience in the construction and development industry Positions have included superintendent, field engineer, estimator, scheduler, project engineer, project manager as well as president and founder of construction company with sales in excess of one billion dollars.

– Phone – 954.663.8900

Email: promolontinternational@yahoo.com Web: www.promolontinternational.com

GENERAL EXPERIENCE

1988 to Present Diversified companies involved in various construction and development projects throughout Florida.

1974 – 1988 **J.M. Beeson Company**
Atlanta, Georgia

Owner and President

Responsible for overall operations and marketing for company which was organized for the purpose of designing, building, consulting, engineering, and construction/development of commercial and industrial projects.

1966 – 1972 **Kilgore Company/J.S. Burdette & Co. & Cunningham - Limp Co.**
Atlanta, Georgia

Vice President and Southeast Manager

Organized southeastern branches and opened offices in Atlanta, Georgia and Jacksonville, Florida. Full responsibility for bidding, negotiating and construction of projects

PROJECT SUMMARY

Residential: 1,000+ Units

Retirement communities assist in living facilities, nursing facility, multi-family residences, (apartments and condos) and motels.

Commercial: 7,000,000+ Square Feet

Retail centers, theaters, auto dealerships, etc.

Industrial: 4,000,000+ Square Feet
Warehousing, distribution centers and manufacturing facilities, etc.

Office: 3,000,000+ Square Feet
Single story office buildings to main-story office building parks, etc.

Institutional: 400,000+ Square Feet
19 Buildings, 786 beds – medium security prison, church, recreational facility, etc.

PROJECT LIST Uptown-Downtown Mall and Flea Market

- Gadsden County Private Prison

- Multipurpose Office and School Facility for Seminole Tribe of Florida

- Bay view Building

- Lowe's Home and Garden Shop

- Artistic Framing Distribution and Office ● Northmark Office Building

- Tepito Electronics

- Emmanuel Baptist Church

- Crown Office Building

- Publix, Winn Dixie, Albertson's ●

Boca Raton Prep School -----

TOWNHOMES AND CONDOMINIUMS

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- **Isle of Capri Condominiums:** 56 Units - Residential (5 Story)
- **Pompano Beach:**
60 Units - Residential (6 Story)
35 Units - Residential (2 Story)
- **Fort Lauderdale - Rivers Edge:** 18 Custom Townhomes - Residential (3 Story)
- **Mango Place Townhouses:** 7 Townhomes - Residential (2 Story)
- **The Grand of Coral Ridge:** 2 Custom Townhomes - Residential (3 Story)
- **Rivers Edge:** 10 Custom Townhomes - Residential (3 Story)
- **Via Palma Delray:** 44 Townhomes - Residential (2 Story)
- **Vizcaya of Palmaire:** 48 Townhomes y - Residential (2 Story)
- **Park Place:** 12 Custom Townhomes - Residential (3 Story)
- **Grandeur:** 7 Townhomes - Residential (3 Story)
- **Balustrade:** 4 Custom Townhomes – Residential (3 Story)

- **Ocean Park Estates:** 11 Custom Townhomes – Residential (2 & 3 Story)
- **Floridian Townhomes:** 10 Custom Townhomes – Residential (2 Story)
- **Ocean Park:** 11 Custom Townhomes - Residential (3 & 4 Story)
- **Santa Barbara:** 12 Custom Townhomes - Residential (3 Story)
- **Rookery:** 67 Townhomes - Residential (2 Story)

OFFICE PROJECT DESCRIPTION

State of Florida Office Building(s)
Hollywood, Florida
29,400 SF

Five Building Office and Distribution Facility Ft.
Lauderdale, Florida

42,000 SF Concrete & Tilt-Wall Construction

Seven Building Office Park

Ft. Lauderdale, Florida

170,220 SF Concrete & Tilt-Wall Construction

Office Distribution Facility

Jacksonville, Florida

40,000 SF Concrete & Tilt Wall Construction

3-Story Office Building

Jacksonville, Florida

45,000 SF Masonry & Steel Construction

Two Office Buildings

Jacksonville, Florida

11,000 SF 1-Story & 45,000 SF 3-Story Masonry Steel Construction

Office and Distribution Facility

Jacksonville, Florida

67,000 SF Concrete & Tilt-Wall Construction

Office & General Services Building - Bank

Pinellas County, Florida

90,000 SF Concrete & Tilt-Wall Construction

Corporate Park Office Buildings

Orlando, Florida

93,600 SF Masonry Construction

Southern Security Office Building

Maitland, Florida

62,000 SF Masonry Construction

Headway Office Park Phase II

Broward County, Florida

136,700 SF Concrete & Tilt-Wall Construction

Two Office and Warehouse Buildings

Norcross, Georgia

57,900 SF & 58,400 SF Tilt-Wall Construction

Two Multi-Tenant Office Buildings

Norcross, Georgia

82,800 SF Masonry Construction

Office and Warehouse Building

Norcross, Georgia

22,500 SF Concrete & Tilt-Wall Construction

The Reflections Office Buildings (2)

Nashville, Tennessee

128,000 SF Steel & Glass Construction

Office Facility

Duluth, Georgia

10,000 SF Steel & Frame Construction

Crooked Creek Office Building

Norcross, Georgia

25,000 SF Masonry & Steel Construction

The Spectrum Building

Norcross, Georgia

76,320 SF Steel & Glass Construction

Cookville Perimeter Office Building

Cookville, Tennessee

51,300 SF Concrete & Tilt-Wall Construction

Oaks of Gandy Office Building

St. Petersburg, Florida

45,000 SF Masonry, Glass & Steel Construction

Pine Island Office Center

Plantation, Florida

121,500 SF Masonry, Glass & Steel Construction

Roosevelt Lakes Office Center

St. Petersburg, Florida

94,500 SF Masonry, Glass & Steel Construction

Newport Office Center (5 & 6) Deerfield Beach, Florida

81,216 SF Glass & Steel Construction

Bay Colony Office & Warehouse Buildings (2)

Orlando, Florida

105,103 SF Concrete & Tilt Wall Construction

The Reflections Office Building (2)

Jacksonville, Florida

133,000 SF Steel & Glass Construction

Gulf Breeze Office Building

Pensacola, Florida

45,000 SF Masonry, Glass & Steel Construction

Fairway Financial Center

Deerfield Beach, Florida

43,760 SF Steel & Glass Construction

Multi-Tenant Office Building

Norcross, Georgia

10,000 SF Masonry & Glass Construction

Expansion of Existing Facility

Technology Park Atlanta Georgia 30,000 SF Masonry Construction

Technical Center Company

Technology Park, Atlanta, Georgia

14,300 SF Concrete w/Aggregate Finish

Multi-Tenant Office Building

Norcross, Georgia 16,000 SF Masonry & Steel

Construction

“INSTITUTIONAL” PROJECTS

BJ's Wholesale Warehouse Sunrise, FL

K-Mart & Builder's Square

Rochester, NY

Costco

Davie, FL

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Homeowner's Warehouse Miami, FL

Home Depot

Palm Beach Gardens, FL

Homeowner's Warehouse Coconut Creek, FL

Pace Membership Facility Tampa, FL

Office Distribution Facilities/Rouse & Associates Jacksonville, FL

Office Distribution Complex-Savannah Port Authorities Savannah, GA

Rock-Tenn Manufacturing Facilities Gadsden, AL

Manufacturing Facilities - State of Alabama

Office Distribution Facility Atlanta & Norcross, GA

Office Manufacturing Facility Largo, FL

Office & Warehouse Buildings Ft. Lauderdale, FL

Multi-Tenant Office & Warehouse Stone Mountain, GA

Electronics Office & Distribution Building Miami, FL

Wynwood Foreign Trade

GENERAL REFERENCES

Federer, David	Engineer	(954) 401-0818
Langstroth, Russ	Real Estate and Finance	(954) 566-2000
Lanata, John	Construction	(954) 965-5330
International Plastering, Inc. – Juan	Owner and Stucco Subcontractor	(954) 553-9766
Matt, Jamie	Owner and Electrical Subcontractor	(954) 725-3550
Collins, Joe	Steel Subcontractor and Engineer	(954) 772-0440
Bruce Konigsberg	PJK Insurance	(954) 979-5855

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Lee, Jimmy	Owner and Contractor	(954) 383-8770
Hinson, Bill	Real Estate	(954) 525-2500
Phillips, Jeffery	Owner and Developer	(945) 295-9569
Abney, John	Owner and Architect	(561) 715-6880
Friese, Woody	Owner and Architect	(954) 868-3234
Koplowitz, Joe	Owner	(305) 785-8886
Rosen, Eve	Attorney	(954) 462-8000
Coker, Richard	Attorney	(954) 761-3636
Perfect Cooling - Gene	HVAC Subcontractor	(954) 410-4069
McCartha, Gene	City of Pompano	(954) 786-4199
Latite Roofing – Scott Cox	Roofing Subcontractor	(954) 772-3446
Bill Hammel	City of Fort Lauderdale	(954) 828-5191

Business Support Staff:

John Miller	:	COO Business Management (40 + years exp)
Livingston Stuart	:	Director of International Business Development (30 years exp.)
Keith Foust	:	Director of Construction Management (37 years exp.)
Mike Casamento	:	Director of accounting (25 years exp.)
Greg Cullum	:	Director of IP, Phone, Cable TV engineering (20 years exp.)

Additional Team Members

John Stawicki CEO/Owner (41 Years of Construction Management and Construction Experience)

Resume available on Web:

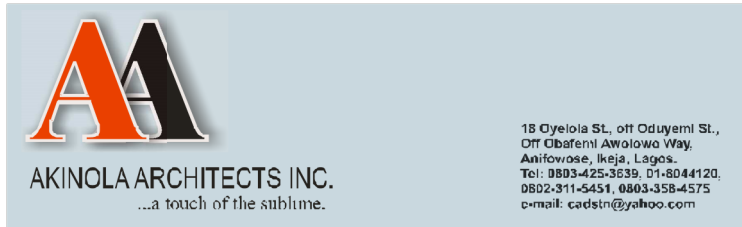
www.promolontinternational.com David Federer Soils Engineer (40+ years' experience)

PROMOLONT INTERNATIONAL, INC.

Signed by: John Stawicki President/Owner

Date: JANUARY 23, 2021

Addendum Aa1



7th April, 2013

Attn: Mr. Faisal Kasim

Dear Sir,

RE: LETTER OF INTENT - PROJECT FINANCING FOR IDERA UNIVERSAL MARKET AT MAGBORO VILLAGE IBAFO ALONG LAGOS IBADAN EXPRESS WAY, OGUN STATE, NIGERIA.

Kindly accept this letter of intent (LOT) and please facilitate the issuance of project loan for the construction of the above titled with detail as follows

PROJECT NAME: IDERA UNIVERSAL MARKET
PROJECT LOCATION: MAGBO VILLAGE IBAFO ALONG LAGOS IBADAN EXPRESSWAY OGUN STATE
NIGERIA

PROJECT DESCRIPTION: Lagos is the commercial nerve-Centre of Nigeria and the West African sub-region; it is a burgeoning metropolis that is home to over twenty million people and still growing. Political, economic, and social demands are made daily on the available infrastructure and markets, malls and products outlets perennially have to satisfy a growing population.

In order to address this situation, our consortium, Phase Plus Property Development Consortium (PPDC) (Nigeria) intends to take advantage of the Lagos-Ibadan residential-tourism axis (Adjacent to OPIC Estates) provided by the Ogun State Government by building an ultra-modern market.

The proposed **IDERA UNIVERSAL MARKET** project was initiated by **IBAFO Daily Express Required Article dealers (IDERA)**, this is an association of various trading groups presently transacting business in Lagos Island. This area includes Obun Eko, Idumagbo, Idumota, Balogun, Adeniyi Adele, It Agarawu etc. The membership of the association is about 20,000 with 3000 duly registered.

The IDERA UNIVERSAL MARKET association is made up of the following associations:

- Dosumu/Obuneko traders Association
- Oroyinyin Traders Association
- Wristwatch Dealers Association
- Owolowo Textile Market Association
- Enuowa Tyre Dealers Association
- Pedro Market Association
- Onibudo Traders Association
- Okearin Provision Market Association

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- Agarawu hard tools Dealers Association
- Idumagbo Traders Association
- Generator Dealers Association
- Oko Awo Traders Association
- Ifedapo Market Association
- Idumota Footwear Dealers Association

In the past two decades, the members of the association had had to contend with serious challenges as a result of their present location and its associated problems

- a) High and rising cost of rent
- b) Area boy's syndrome
- c) Traffic congestion
- d) Security problems
- e) Multiple Levies and Taxes
- f) Flooding
- g) Overcrowding
- h) Deficient Planning
- i) Deficient Construction by Developers resulting in Collapses

It was for these and many other reasons that the group unanimously agreed to relocate their members to a more conducive environment. Hence the conception of the proposed market development.

PROJECT DETAILS

• Total number of shops	3,800
• Cost of sales per shop (Idera)	\$ 7,643.31
• Cost of sales per shop (others)	\$ 1,1464.97
• Total Cost of construction	\$ 31,210,191.08
• Total Cost of Sales (2800 shops)	\$ 32,101,910.8
• Total Cost of sales (1000 shops)	\$ 7,643,312.10
• Grand Total Sales of Shops	\$ 39,745,222.90
• Projected Profit	\$ 8,535,031.90

MARKET ASSOCIATION'S COMMITMENTS

1. Acquisition of 10.075 Hectares of land at Magboro village, along Lagos-Ibadan expressway with Certificate of Occupancy (C of O) .
2. Commissioned consultants, MESSRS **AKINOLA ARCHITECTS INC.** to carry out designs, drawing Bill of Quantities.
3. Committed members to pay 20% of cost of shops within 3 months.
4. Prepared to meet with bank of developer's choice, open the project account where all sales will be domiciled.
5. Readiness to offer the land's C of O as additional security.

We hereby seek financial collaboration to undertake the actualization of the above-named proposed market development project.

MODE OF DEVELOPMENT

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GOP Akinola Architects Inc will award the construction of the project to her Foreign Technical and Financial Partners (Represented by your good selves), as **MAIN CONTRACTOR**. The **MAIN CONTRACTOR** will **mobilize** funds for loan disbursement to site upon receipt of a **BANK GURANTEE** which will be issued by the local Nigerian project Banker.

The essence of this brief is to seek collaboration to bring this project to fruition. We will be ready to provide further information on the project if and when intention to support the proposal is indicated.

PROJECT OWNER: IDERA UNIVERSAL MARKET ASSOCIATION

PROJECT CONSULTANTS AND MANAGERS: RICHIELLA CONSTRUCTION COMPANY LTD

CONSTRUCTION COMPANY: AS RECOMMENDED BY FAISAL KASIM

TOTAL PROJECT COST: (\$31,210,191.08) £18,726,114.65

TOTAL PROJECT VALUE: \$39,745,222.90 £23,847,133.74 **LOAN**

AMOUNT: \$31,210,191.08 £18,726,114.65 **PROJECTED**

PROFIT: \$8,535,031.90 £5,121,019.14

LOAN TERM: TO BE PROPOSED BY YOUR
GOODSELVES

LOAN TYPE: LOAN FUNDER CONSTRUCTS

NAME OF BANK ISSUING BANK GUARANTEE: **BANK OF IDERA MARKET ASSOCIATION – SKYE BANK**

PURPOSE OF LOAN:

We need to raise capital of \$31,210,191.08 Million OR LESS to commence and develop Idera Universal Market Project. The loan will cater for the direct and indirect costs of the project, its infrastructural development, Construction operational and working capital costs.

We have enclosed for your information our executive summary and feasibility report for the project

Please accept our sincere appreciation of your kind consideration

Yours faithfully

Arc. George O. Akinola
For GOP Akinola Architects Inc

Company Profile

MCC Capital Projects Limited (MCCCP) is an international company headquartered in the United Kingdom with offices in the Philippines, USA, and China. MCCCP's prime activities are the funding, development, and construction of all types of infrastructure, major commercial buildings, government utilities and other capital projects mainly in emerging economies and developing countries.

MCCCP's parallel activities include forestry, agriculture, mining, oil and gas exploration, and commodity dealing. The ethos of the corporation is to deliver world class projects with the utmost regard for positive social and environmental impact.

The Directors of MCCCP have decades of experience in the facilitation of project funding. They have spent years developing and perfecting the technical expertise, in-field experience, market knowledge, and political relationships that are the core of the business. Reliability, integrity, and commitment to MCCCP's Customers are fundamental to the company's ongoing success.

Using a Turnkey Approach encompassing teamwork, flexibility, financing, and accountability - the company has developed a network of close-knit experts and international corporate partners. MCCCP realizes that being nimble, adroit, and creative are serious competitive advantages over the huge monolithic 'majors' that dictate rather than cooperate.

MCCCP approaches each sovereign entity in a unique fashion, providing our Partners with customized infrastructure consulting services, cost-effective engineering and design expertise, hands on management, and rapid and creative solutions.

The MCCCP contractors are a corporate group that come under the auspices of the Peoples' Republic of China and have the technical experience and financial ability to undertake all projects from design, Procurement to construction and handing over. During each of the listed phases as per contract, the company focuses on the management of safety, environment, and health areas. At all times, MCCCP follows the International Federation of Consulting Engineers ruling (FIDIC) and provide all their clients with performance bond guarantees.

On a Turnkey Project the MCCCP team would:

1. Undertake the feasibility studies.
2. Prepare engineering design.
3. Construct the Project.

There is a wide diversity in the financing needs of developing countries. Political, geological, ideological, and historic conditions affect the individual requirements but essentially the financing has to be affordable, accessible, sustainable, and secure. The instruments that enable the investment flow must work on both macro and micro economic levels, but it is the dynamic and flexible nature of private investment that represents the most promising means of achieving the required investment course.

MCCCP has access to substantial funds for development projects, and its specialty is the matching of finance appropriate to the scope and scale of each project. The company brings a modern perspective to the funding requirements of 21st century ventures.

MCCCP has recently signed an agreement with the Mindanao Business Council (MinBC) and the Davao Integrated Development Program (DIDP) in the Philippines to undertake the feasibility study and eventual construction of the Mindanao Railway System and the Samal Bridge, both projects are valued at over USD 4.5 billion dollars.



MCCCP and its consortium partners have completed giant construction projects across Asia and Africa in multiple fields including Infrastructure, Commercial, Residential, Manufacturing, and Utilities projects. MCCCP and its consortium partners have built ports in China and South America, railways in Iran, China, Mongolia and Thailand, roads in Iraq/ Ghana / Gabon.

MCCCP and its consortium partners have also constructed office buildings, hotels, economic zones, hospitals, and colleges in China, Nigeria, and Ivory Coast.

In the Manufacturing and Utilities sector, MCCCP and its consortium partners have constructed power generation plants in China, Panama, and Angola.

They are presently in negotiation to upgrade an Aluminum plant in Ghana, as well as Steel and Cement plants in Pakistan.

MCCCP, through its Oil & Gas exploration arm EC4 Petro Cham, is active in Oil & Gas exploration in Sudan with concession blocks in No 82.

MCCCP is also currently in negotiations with partners in Mauritania for further Oil Blocks there. MCCCP is also engaged in the negotiation for building of a refinery in Ghana.

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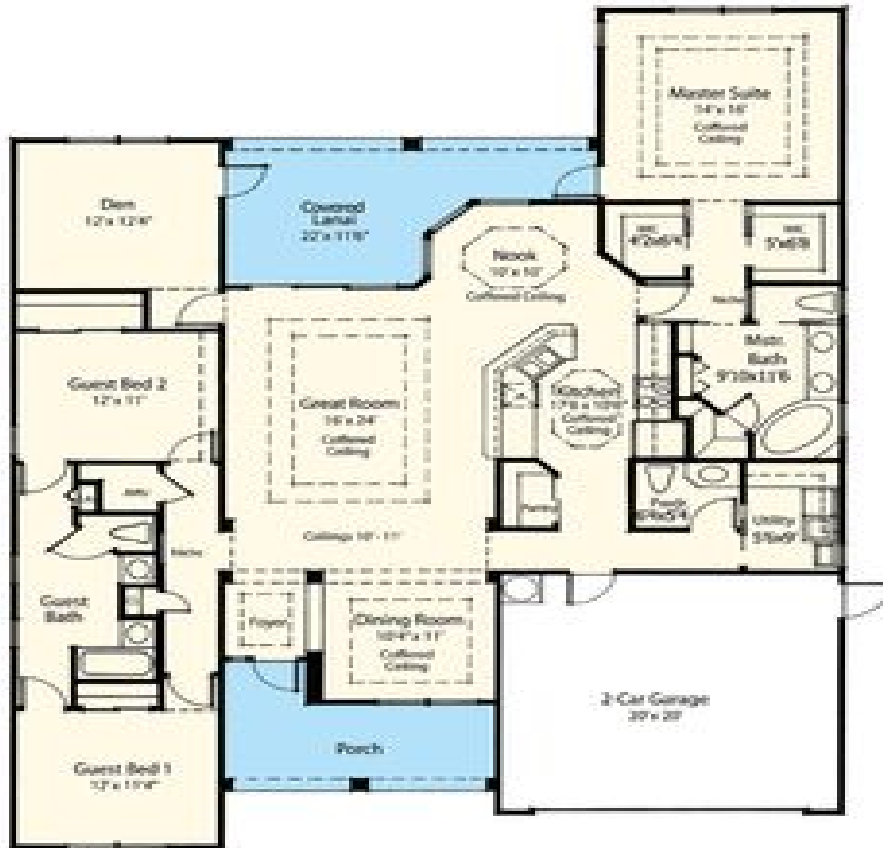
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In the Mining field, MCCCCP has operations in multiple countries in Benin, Democratic Republic of the Congo, Asia producing , Manganese, Gold and Silver.

MCCCCP's vision is simple - "Be a proactive and fair partner with Governments and Countries to maximize both Humanitarian and Commercial Returns (H&C ROI) on their natural resource supplies and deposits."

FOR MORE INFORMATION ON MCCCCP PLEASE CALL Promolont international inc.

THESE HOUSES WILL SELL FOR \$95,000 USD UP TO \$350,000 USD



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ARCHITECTS, INC.

The Landry
Home Plan # 1291

TOTAL SF - 1698
63'0" W X 58'4" D

STORIES - 1
BEDROOMS - 3
BATHROOMS - 2

Floor Plan Labels: PATIO, MASTER BED RM (12'-0" x 12'-0"), DINING (10'-0" x 10'-0"), GREAT RM (12'-0" x 12'-0"), BED RM (10'-0" x 10'-0"), KITCHEN (10'-0" x 10'-0"), UTILITY, PORCH, GARAGE (24'-0" x 24'-0"), BED RM / STUDY (10'-0" x 10'-0").

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Email: promolontinternational@yahoo.com Web: www.promolontinternational.com



sq ft	beds	baths	bays	width	depth
1398	3	2	2	52'4	47'10

800-482-0464 familyhomeplans.com



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Thank you for your interest in our SIP housing manufacturing facility we would be please to give you or your client a quote on a facility after our initial summary of what the needs are.

Sincerely, 

John E Stawicki, President
John E Stawicki President





Panelized Building Manufacturing International Inc.

Phone: +1-954-234-5389 Or +1-954-995-6619

Owned By Promolont International, Inc.

"REINVENTING THE BUILDING INDUSTRY"

From our factory to you...
Anywhere in the world.



We manufacture structural insulated panels that are fabricated from foam and steel.

Panels for an entire house are numbered and bundled for ease of delivery and assembly.



Panels are shipped to your site and erected.



Panels are manufactured according to your designs and specifications.





Panelized Building Manufacturing International Inc.

"REINVENTING THE BUILDING INDUSTRY"

Our Technology

Overview

Panelized Building & MFG LLC has developed a proprietary technology that has the potential to transform residential, commercial and industrial construction worldwide. The PB&M System is one of the most energy efficient, environmentally friendly and cost effective building systems available today.

This unique steel tube and Expanded Polystyrene Foam (EPS) system offers unprecedented strength and energy savings. The advanced, high strength structure can withstand sustained winds of over 155 mph. Heating and Air Conditioning costs are reduced up to 80%.

Through nearly 20 years of research & development and a unique manufacturing process, the founders of Panelized Building & MFG LLC have developed a precision, high quality building system that far exceeds the capabilities of previous residential and commercial building systems.

From design to delivery, the result is a product that is unsurpassed in the building industry. Any Architectural design can be produced.



Features

- **Energy Efficiency.** The Panelized Building & Mfg. System is one of the most energy efficient system available.
- The wall panels are 7 1/4 inches thick (R-32) and the roof panels are 12 inches thick (R-52). This permits an 80% reduction in HVAC equipment sizing and energy costs.
- EPS insulation retains 95% to 97% of its thermal efficiency and will not decrease with age. In comparison, fiberglass insulation retains only 55% to 65%.



Panelized Building Manufacturing International Inc.

- **Financial Advantages.** Construction costs are at least 25% less than other methods and time to build is reduced significantly.
- Energy bills are reduced by as much as 80%.
- Our Panelized System qualifies for an EEM mortgage.
- Our Panelized System is rated as a 70 year building vs 30 year for conventional wood construction.
- Fire, Hurricane and Earthquake ratings are superior to wood construction, enabling a significant reduction in insurance costs and reduced financial impact from damage.
- **Design and Architecture.** Adaptable to any architectural, residential or commercial design with increased usable space. Compatible with steel high rise, custom residential, high volume development, 3rd world, rapid deployment or emergency shelters.
- **Strength and Disaster Resistance.** This Panelized System is more than 4 times stronger than conventional wood-framing, withstanding sustained winds of up to 155 mph and a far superior earthquake rating to conventional construction. Fire code ratings are significantly higher and flood damage from rot and mold are greatly reduced.
- **A "Green and Sustainable Building" product.** Both EPS and steel are 100% recyclable materials. Moreover, waste from manufactured panels is recycled and resold to other industries. Since wood usage is reduced up to 90%, deforestation and lumber costs are also reduced substantially. EPS is a lightweight, closed-cell foam material composed of hydrogen and carbon atoms and developed for high R-value, strength and safety. It is made from petroleum, natural gas by-products and recycled oil waste. EPS is ozone safe and contains no chlorofluorocarbons (CFC) or hydrochlorofluorocarbons (HCFC)
- Will qualify for LEED Certification. Green building or Sustainable building at its' best!
- **Indoor Air Quality.** Our SIPs system improves Indoor Air Quality (IAQ) which can be used as a medical insurance write-off. There is no risk of cancer obtained from carcinogens released by other insulating products such as pink fiberglass or particle board. GPS construction is more resistant to fires, and the amount of carbon monoxide and carbon dioxide released in a fire is 85% less than wood construction. This is because EPS foam is 98% air.
- **Moisture resistance.** The EPS wall panel itself forms a vapor barrier so that moisture does not condense. In addition, a study by the Energy Materials Testing Laboratory has shown that EPS insulation does not absorb appreciable moisture.





Panelized Building Manufacturing International Inc.

- **Permanence.** The PB&M system withstands the abuses of temperature, peeling, rotting, warping, splitting, blistering and infestation (termites, etc). This system is rated to last more than twice as long as a wood frame structure.
- **Stability.** PB&M EPS panels, with an interior layer of 1/2" drywall, easily surpass finish rating code requirements since the panels are extremely stable, and while they may expand slightly, the effect is almost undetectable. Panels are built to 1/16 of inch of tolerance.



- **Structure.** Primary structure is a 1 x 2 steel tube system bolted on opposite sides of a foam panel to form high strength beams. Panel size can range from 4 feet up to 32 feet. Tubes are connected to each other with long screws, forming a high strength truss. EPS foam separates the opposing steel tubes and prevents thermal bridging. Wiring chases are provided and electrical boxes easily attach to the steel tubes. Window and door openings are factory-built into the wall ensuring accuracy and thermal integrity. The finished panel provides high compression, shear and axial strength, suitable for a wide range of construction applications and loads.
- **Foundation.** The Panelized Building System can be used for below grade foundation walls on a standard footing and can be used instead of concrete block or stud wall construction due to its high strength and water resistance. The roof panels are also structural members which can be used instead of trusses, steel joists or wood rafters.
- **Comparison to other panel systems.** The PB&M System differs from conventional SIPs (Structural Insulated Panel) systems, by utilizing steel framing rather than a heavy OSB shell. The process is quick, easy and predictable for both the installation crew and the finishing trades. More importantly, our technology presents none of the environmental or health problems associated with OSB SIPs, which outgas for years. In addition, conventional SIPs cost more than traditional methods whereas the PB&M costs far less.
- **Process and Installation.** Any building plan is easily adapted to the PB&M System, which is then approved and stamped by an engineer. PB&M in-house crews manufacture and assemble all the components using automated manufacturing. The shell is delivered to the construction site, where the general contractor's crews can quickly and efficiently erect the structure. Through this process, a project can be completed in far less time and represents unsurpassed quality.

Construction Advantages

- Less expensive to build.
- Engineered plans take less time to obtain permits.
- System exceeds building codes.
- Building shell can be erected in bad weather and closed in far less time than wood framing.
- The home is "weathered in" at that point making all interior work far more comfortable for plumbing, electrical, HVAC and drywall.
- Improved quality of construction provides a warp free plumb integral structure.
- Four times the load bearing strength of conventional wood construction.



Panelized Building Manufacturing International Inc.

- Will not shrink, settle, or deteriorate.
- EPS will not out-gas. There are no HCFC's, CFC's or formaldehyde.
- Protection from insects including termites and other infestations.
- No vapor barrier required. Panels are highly resistant to moisture and condensation build-up.
- R-52 roof panels with R-32 wall panels dramatically exceed all code requirements.
- Increased sound privacy.
- Eliminates on site waste and clean up resulting from construction.
- Structures can be used for residential, commercial and industrial applications.
- Ideal for use with conventional steel frames for high rise construction of any height.
- Stored material can't be stolen, vandalized, or rendered unusable due to weather damage.

Advantages to the End Consumer

- 80% savings or more on utility bills.
- Qualifies for an EEM (Energy-Efficient Mortgage).
- Clean air dwelling (dust, mold and allergens significantly reduced).
- EPS will not out-gas. There are no HCFC's, CFC's or formaldehyde in the structure.
- Reduces outside and inside noise.
- Lower construction cost and quicker move-in for the new home owner.
- Lower construction loan interest and security costs.
- Lower insurance costs.
- Enables access to preferred financing.
- Greater comfort due to interior temperature stability.

The Company

Joseph Burton, Bonnie Niesig & Bruce Scheiman have been in business and have collaborated in construction and manufacturing for thirty years. All have extensive experience in machine design and large scale construction project management in Arizona and Ohio. They have assembled a winning combination of people and advanced technologies to establish a national and international presence in the construction industry. The Company recently re-located its headquarters, research and development, and primary production site to the Austin, Texas U.S.A area.

Contact Information

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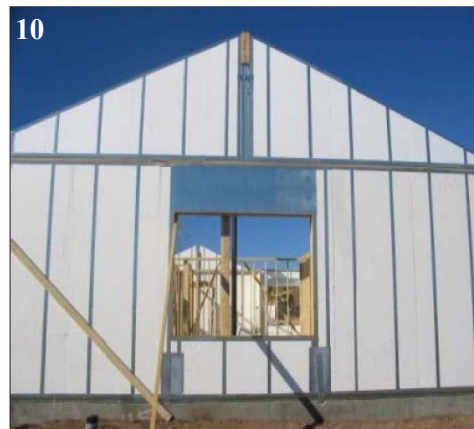
Photos

The following photos are a sample of a Panelized Building & MFG LLC's project using this one of a kind system.





Photos





Photos





Photos

