

NHMFC

HDMF

NHA

HUDCC

HGC



MANUAL

ON

**ACCREDITATION OF INNOVATIVE
TECHNOLOGIES FOR HOUSING**

(A I T E C H)

UP-BRS

DPWH

DTI

CIAP

HLURB

DOST



A I T E C H

Accreditation of Innovative Technologies for Housing

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I. BACKGROUND

AITECH stands for Accreditation of Innovative Technologies for Housing. It is a system for accrediting innovative technologies for housing. AITECH was conceived as a result of the numerous building technologies that have been developed in the last few years using non-traditional or alternative materials and systems. Cognizant of their potential in reducing over-all housing costs, it has become imperative to accredit these innovative technologies for low-cost housing.

AITECH responds to queries and requests from private manufacturers of indigenous and innovative building materials/systems for technical and engineering evaluation leading to accreditation of these products. The AITECH Inter-Agency Committee reviews and accredits the technologies.

II. COMMITTEE MEMBERS

The AITECH Committee is composed of the following agencies:

- Housing and Urban Development Coordinating Council (HUDCC)
- National Housing Authority (NHA)
- Department of Science and Technology (DOST)
- Home Guaranty Corporation (HGC)
- Department of Public Works and Highways (DPWH)
- Housing and Land Use Regulatory Board (HLURB)
- Home Development Mutual Fund (HDMF)
- National Home Mortgage Finance Corporation (NHMFC)
- Construction Industry Authority of the Philippines (CIAP)
- Department of Trade and Industry – Bureau of Product Standards (DTI – BPS)
- University of the Philippines – Building Research Service (UP – BRS)

III. OBJECTIVES OF THE COMMITTEE

The AITECH Committee acts as a review and approving body for applications for accreditation of innovative technologies appropriate for housing. Its main objective is to assist producers of innovative technologies in securing acceptance of their products or systems in the market as well as to make these

technologies acceptable for funding under government housing loan programs.

The Committee also aims to encourage and promote the use of innovative technologies as an alternative to traditional housing construction system; and to develop standards, guidelines, and procedures for accreditation system.

IV. SCOPE OF WORK AND FUNCTIONS OF THE COMMITTEE

The AITECH Committee reviews applications for accreditation of new and improved technologies which are appropriate for housing and can serve as alternatives to traditional or conventional building technologies.

The Committee performs the following functions:

1. Review and approve applications for materials testing and engineering and economic evaluation of local and/or foreign innovative housing technologies;
2. Provide services as testing, wherein evaluating agencies conduct the necessary validation on innovative technology systems / materials;
3. Issue certificates of validation and / or accreditation to manufacturers / owners of approved innovative technology systems / materials;
4. Issue implementing guidelines and procedures on the said accreditation system for public dissemination;
5. Determine the amount of processing fee to be charged by testing / evaluating agencies for the information of applicants;
6. Establish performance and cost standards and identify relevant tests for building materials / systems as the basis for evaluating and accrediting innovative technology systems / materials;
7. Review appropriate applications of new technologies and use of innovative building materials;
8. Provider a short-list of accredited building technologies to funding institutions and dissemination of information to other possible end-users; and
9. Undertake such other functions as may be necessary to disseminate information to support its primary functions.

V. ROLES AND RESPONSIBILITIES OF PARTICIPATING AGENCIES

The roles and responsibilities of participating agencies are:

1. **HUDCC** – gives final approval for issuance of accreditation certificate. The HUDCC Chairman affixes his signature on the certificate.
2. **NHA** – evaluates applications based on checklist of requirements; refers to evaluating agencies (UP-BRS, DOST, DPWH); evaluates and validates costs and structural designs; and consolidates evaluation results. Also assigned as AITECH secretariat.
3. **DOST-PCIEERD** – evaluates materials properties (physical, mechanical behavior, etc); and conducts research and development of new technologies.
4. **UP-BRS** – evaluates structural designs, properties of building materials, and overall technical feasibility of technologies, and conducts information dissemination.
5. **DPWH-BRS** – evaluates structural designs and properties of building materials.
6. **HDMF** – reviews and accepts accredited technologies for mortgage financing under UHLP and HDMF housing loan programs.
7. **NHMFC** – reviews and accepts accredited technologies for mortgage financing under UHLP.
8. **CIAP** – disseminates information; and includes applicable technologies in the Modular Coordination System.
9. **HLURB** – evaluates technologies for compliance with housing standards based on BP 220 / National Building Code.
10. **DTI-BPS** – monitors quality of production through regular inspection of local production plants; and takes charge of patenting technologies

VI. DEFINITION OF TECHNOLOGY

The term “*technology*” refers to (1) new production processes of existing systems/materials; (2) new construction techniques applied or utilized in low-cost housing units; and (3) new building materials designed to serve as alternatives to traditional or conventional components.

The technologies considered for application are the following:

1. Locally developed and manufactured building systems / materials appropriated for housing including their construction techniques / systems; and
2. Building systems / materials developed in other countries, whether being introduced to the country or have been adopted and manufactured locally with or without modifications.

VII. CRITERIA FOR ACCREDITATION

Innovative technologies include local and international technologies that use non-traditional or alternative materials or system with significant reductions in construction costs (thereby insuring affordability) as opposed to the use of conventional materials and systems (e.g. concrete hollow blocks). In addition, innovative technologies place emphasis on environmental considerations.

Evaluation of Committee member agencies are based on the following:

- a) Compliance to housing standards based on BP 220, PD 957 and the National Building Code, Fire Code, BP344 & other applicable laws;
- b) Structural evaluation / validation of submitted structural designs (based on design load and allowable applied stresses);
- c) Cost effectiveness based on the resulting construction costs (current cost estimates of housing construction inclusive of mark-up) as compared with housing units built with conventional building technologies. Use of special equipment and costs of transport shipment of materials should also be incorporated in cost estimates.
- d) Appraisal / validation of housing units using the technology for mortgage acceptance by funding institutions;

- e) Physical properties and structural soundness of technologies in relation to health consideration and suitability to local climactic and topographic conditions;
- f) Locally available raw materials for the production / use of particular technologies; and
- g) Consistency of required quality in mass production.

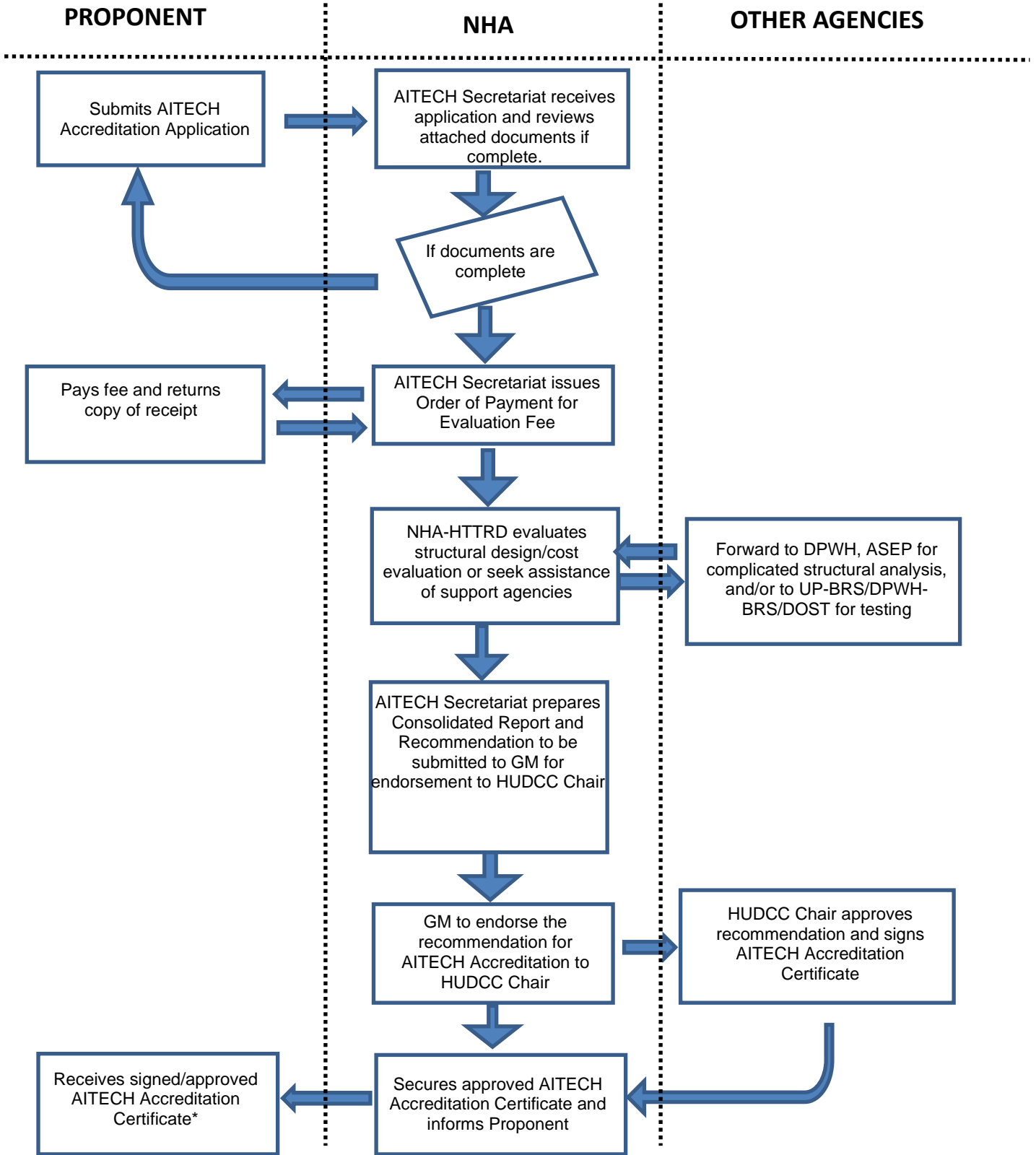
VIII. STEPS IN ACCREDITATION

Technology evaluation shall be based on the information provided in all documents submitted to the AITECH Secretariat as well as on plant and site inspection conducted by the AITECH member-agencies. The steps in accreditation are as follows:

1. The proponent submits AITECH accreditation application.
2. AITECH Secretariat receives application and reviews attached documents if complete.
3. If documents are complete, AITECH Secretariat issues Order of Payment for Evaluation Fee.
4. NHA-HTDO evaluates compliance to standards, structural design, cost evaluation or seek assistance of support agencies. Forward to DPWH, ASEP for complicated structural analysis, and / or to UP – BRS / DPWH – BRS / DOST for testing.
5. Conduct of Site/Plant visit and Inspection.
6. AITECH Secretariat prepares Consolidated Report and Recommendation to be submitted to GM for endorsement to HUDCC Chair.
7. GM to endorse the recommendation for AITECH accreditation to HUDCC Chair. HUDCC Chair approves recommendation and signs AITECH accreditation certificate.
8. Secures approved AITECH accreditation certificate and informs proponent.

IX. PROCESS FLOW CHART

PROCESS FLOW CHART
ACCREDITATION OF INNOVATIVE TECHNOLOGIES FOR HOUSING
(AITECH)



* Yearly monitoring of the accredited technology is being conducted by AITECH Secretariat

X. CHECKLIST OF REQUIREMENTS FOR ACCREDITATION

BUILDING SYSTEM

Name of Proponent : _____

Business Address : _____

Company/Corporate Head : _____

Position : _____

Contact Person : _____

Position : _____

Tel. No/Fax Nos./Cell. No. : _____

Email Address : _____

Name of Technical Material : _____

Location of Plant/Warehouse : _____

Brief Description : _____

*****Checklist of requirements (To be submitted in 3 sets) *****

- | | |
|---|---|
| <input type="checkbox"/> Company Profile supported with Registration Certificate from SEC for corporations, DTI for soles proprietorship or CDA for cooperatives. | <input type="checkbox"/> White/Blue print of signed and sealed Building Plans (3 sets-20" x 30" and and 3 |
| <input type="checkbox"/> Audited Financial Statements which shall include Accountants Statement and Income Tax Return stamped and duly received by the | <input type="checkbox"/> Building Specifications signed and sealed |
| <input type="checkbox"/> Copy of Title of Patent (if applicable) | <input type="checkbox"/> Cost Estimates of the applied technology (Direct Cost only) signed and sealed |
| <input type="checkbox"/> Technology Brochures | <input type="checkbox"/> Cost Comparison between the applied innovative technology , material and the conventional (see attached suggested format) |
| <input type="checkbox"/> Technical Manual | <input type="checkbox"/> Structural Design Analysis and Computation in Metric System signed and sealed (Structural Designer should be an ASEP Member) |
| <input type="checkbox"/> Economic Life Span (signed and notarized warranty, see attached suggested format) | <input type="checkbox"/> Photocopy of PRC ID of licensed professionals (per discipline i.e, structural, architectural, plumbing, electrical, mechanical, if necessary) |
| <input type="checkbox"/> Sample Material (1 only) | <input type="checkbox"/> Technology Power Point Presentation (e-file copy) |
| <input type="checkbox"/> Video Presentation on the Correct Construction Methodology | <input type="checkbox"/> List of Completed and On-going Projects using the applied technology /material (List should include project name and owner, location and no. of units) |
| <input type="checkbox"/> Test Results – Suggested accredited testing agencies/ laboratories | <input type="checkbox"/> Ocular inspection of Plant, Completed and On-going Projects using the applied technology |
| <input type="checkbox"/> Moisture Test MATEST or other DPWH accredited agencies / laboratories (02) 642-0664 | |
| <input type="checkbox"/> Compressive and Tensile Test DOST 837-2071 / UP-BRS 981-8500 | |
| <input type="checkbox"/> Fire Test FPRDI 049-5362360 | |
| <input type="checkbox"/> Other Necessary Tests | |

Note: Foreign Trade Test results shall be accompanied by a letter of Certification from the Embassy where the tests were conducted

MATERIAL ONLY

Name of Proponent : _____
 Business Address : _____
 Company/Corporate Head : _____
 Position : _____
 Contact Person : _____
 Position : _____
 Tel. No/Fax Nos./Cell. No. : _____
 Email Address : _____
 Name of Technical Material : _____
 Location of Plant/Warehouse : _____
 Brief Description : _____

*****Checklist of requirements (To be submitted in 3 sets) *****

- | | |
|--|---|
| <p><input type="checkbox"/> Company Profile supported with Registration Certificate from SEC for corporations, DTI for soles proprietorship or CDA for cooperatives.</p> <p><input type="checkbox"/> Audited Financial Statements which shall include Accountants Statement and Income Tax Return stamped and duly received by the</p> <p><input type="checkbox"/> Copy of Title of Patent (if applicable)</p> <p><input type="checkbox"/> Technology Brochures</p> <p><input type="checkbox"/> Technical Manual</p> <p><input type="checkbox"/> Economic Life Span (signed and notarized warranty, see attached suggested format)</p> <p><input type="checkbox"/> Sample Material (1 only)</p> <p><input type="checkbox"/> Video Presentation on the Correct Construction Methodology</p> <p><input type="checkbox"/> Test Results – Suggested accredited testing agencies/ laboratories</p> <p><input type="checkbox"/> Moisture Test</p> <p><input type="checkbox"/> Compressive and Tensile Test</p> <p><input type="checkbox"/> Fire Test</p> <p><input type="checkbox"/> Other Necessary Tests</p> | <p><input type="checkbox"/> Working Drawings with Connection Details</p> <p><input type="checkbox"/> Material Specifications</p> <p><input type="checkbox"/> Selling Cost and Cost Estimates of the applied technology/material (Direct Cost only) signed and sealed</p> <p><input type="checkbox"/> Cost Comparison between the applied innovative technology/material and the conventional</p> <p><input type="checkbox"/> Photocopy of PRC ID of licensed professionals (per discipline i.e, structural, architectural, plumbing, electrical, mechanical, if necessary)</p> <p><input type="checkbox"/> Technology Power Point Presentation (e-file copy)</p> <p><input type="checkbox"/> List of Completed and On-going Projects using the applied technology/material (List should include project name and owner, location and no. of units)</p> <p><input type="checkbox"/> Ocular inspection of Plant, Completed and On-going Projects using the applied technology</p> |
|--|---|
- MA TEST or other DPWH accredited agencies / laboratories (02) 642-0664
- DOST 837-2071 / UP-BRS 981-8500
- FPRDI 049-5362360

Note: Foreign Trade Test results shall be accompanied by a letter of Certification from the Embassy where the tests were conducted

WALL PANEL/MATERIAL

Name of Proponent : _____
 Business Address : _____
 Company/Corporate Head : _____
 Position : _____
 Contact Person : _____
 Position : _____
 Tel. No/Fax Nos./Cell. No. : _____
 Email Address : _____
 Name of Technical Material : _____
 Location of Plant/Warehouse : _____
 Brief Description : _____

*****Checklist of requirements (To be submitted in 3 sets) *****

- | | |
|---|---|
| <p><input type="checkbox"/> Company Profile supported with Registration Certificate from SEC for corporations, DTI for soles proprietorship or CDA for cooperatives.</p> <p><input type="checkbox"/> Audited Financial Statements which shall include Accountants Statement and Income Tax Return stamped and duly received by the</p> <p><input type="checkbox"/> Copy of Title of Patent (if applicable)</p> <p><input type="checkbox"/> Technology Brochures</p> <p><input type="checkbox"/> Technical Manual</p> <p><input type="checkbox"/> Economic Life Span (signed and notarized warranty, see attached suggested format)</p> <p><input type="checkbox"/> Sample Material (1 only)</p> <p><input type="checkbox"/> Video Presentation on the Correct Construction Methodology</p> <p><input type="checkbox"/> Test Results – Suggested accredited testing agencies/ laboratories</p> <p><input type="checkbox"/> Moisture Test MATEST or other DPWH accredited agencies / laboratories (02) 642-0664</p> <p><input type="checkbox"/> Compressive Test DOST 837-2071 / UP-BRS 981-8500</p> <p><input type="checkbox"/> Fire Test FPRDI 049-5362360</p> <p><input type="checkbox"/> Other Necessary Tests</p> | <p><input type="checkbox"/> Working Drawings with Connection Details</p> <p><input type="checkbox"/> Material Specifications</p> <p><input type="checkbox"/> Selling Cost and Cost Estimates of the applied technology/material (Direct Cost only) signed and sealed</p> <p><input type="checkbox"/> Cost Comparison between the applied innovative technology/material and the conventional</p> <p><input type="checkbox"/> Photocopy of PRC ID of licensed professionals (per discipline i.e, structural, architectural, plumbing, electrical, mechanical, if necessary)</p> <p><input type="checkbox"/> Technology Power Point Presentation (e-file copy)</p> <p><input type="checkbox"/> List of Completed and On-going Projects using the applied technology/material (List should include project name and owner, location and no. of units)</p> <p><input type="checkbox"/> Ocular inspection of Plant, Completed and On-going Projects using the applied technology</p> |
|---|---|

Note: Foreign Trade Test results shall be accompanied by a letter of Certification from the Embassy where the tests were conducted

XII. LIST OF ACCREDITED TECHNOLOGIES AS OF NOVEMBER 2019

BUILDING SYSTEM

Low Rise Building

1. BEC SPECIALISTS PHILIPPINES INC. - Safe & Modular Housing Tech. (SAMHT)
2. ERGO EBLOCKS, INC. - Ergo Eblocks Integrated Building System
3. LEXUS INDUSTRIAL ENTERPRISE CORPORATION - PPS Building Technology
4. TAC-JCB SYSTEMS INC. - TAC System Formwork

One to Two Storey

1. BASE BAHAY FOUNDATION, INC. - Cement-Bamboo Frame Technology
2. BICOL STATE COLLEGE OF APPLIED SCIENCES AND TECHNOLOGY - Biscast Low Cost House Building System
3. CAVITE FORM MODULES - JJM Wall Formtile
4. CONNOVATE PHILIPPINES, INC. - Connovate Precast Wall Panel
5. ECO GREEN PANEL SOLUTION HOUSING CORP. - Eco Green Panel Board
6. FLORIDABLANCA CONSTRUCTION AND DEV'T CORP. - Precast Concrete Panel Structure
7. FRAMEGO 101 CORPORATION - Proposed Cold Formed Steel Framing Structure
8. JACINTOCOLOR STEEL, INC. - Typhoon Resilient Pre-Fabricated Steel Frame Housing
9. KELE PHILIPPINE PROJECT INC. - Cellate Structural System
10. LICIADA INNOVATIONS, INC. - FCS Interlocking Brick Building System
11. MANDO WINIA CONSTRUCTION CORP. - Steel Wall Sandwich Panel
12. NEDSTEEL CONSTRUCTION AND DEVELOPMENT CORP.- Light Gauge Steel Framing System
13. NEXT CENTURY BUILDING SYSTEMS INC.- M2 Panel (Building System)
14. PHILIPPINE STEEL FRAMING CORPORATION - Housetek
15. PHILMETAL PRODUCT INC. - Galvaframe
16. SCHMIDT KONSTRUKTION SYSTEMS CORP. (SKSC) - SKS Steel Framing System
17. SMART MASONRY PHILIPPINES - Smart Masonry System
18. UNIMORE INTERNATIONAL TRADING COMPANY - Pre-Engineered Housing System
19. WALLCRETE COMPANY INC. - Prefab Technology
20. ZUMYPHIL CONSTRUCTION INC. - Precast Concrete

One to Three Storey

1. JBC INNOTECH CORP/GRADITEL CONSTRUCTION CORPORATION -JBC Wall Panel
2. STERLING CONSTRUCTION AND DEVELOPMENT CORP. – Plaswall
3. SOLIDGROUP TECHNOLOGIES CORPORATION- Myhouse Modular Building Technology

High Rise Building

1. PHILIPPINE CONSTRUCTION CONSORTIUM CORPORATION - Foam Concrete Technologies (Using RBM Machine)

MATERIAL ONLY

Wall Panel/ Material

1. AAC LIGHTWEIGHT BLOCK CORPORATION - AAC by Lightstrong Blocks
2. ALPES VERDES INTERNATIONAL CORPORATION – M-Wall Panel And M-Floor Panel
3. CEBU EVERGREEN INDUSTRIES INC./ PT ETEX BUILDING PERFORMANCE INDONESIA - Kalsi Fiber Cement Board
4. CHINA- PHILIPPINES WALL TECH SYSTEMS INC.- FAHSTWALL
5. HEIJIN INTERNATIONAL TRADING CORPORATION - EPS Cement Sandwich Panel
6. JAMES HARDIE PHILIPPINES, INC. - HARDIEFLEX Fiber Cement Board
7. NEXT CENTURY BUILDING SYSTEMS - M2 Panel (Wall Panel)
8. PALMECO PHILIPPINES CORPORATION - Palmeco Board
9. PERMAFORMS INC. - Permaforms Wall Panel
10. PHILIPPINE STEEL FRAMING CORPORATION - Teknocrete
11. SHERA BUILDING SOLUTION PHILIPPINES - Shera Fiber Cement Board
12. SIDLAKPINOY, INC. - Sidlakan Firebricks
13. SRC INT'L PANEL SYSTEM, INC. - SRC Steel Reinforced Concrete Panel
14. UNIMASTER'S CONGLOMERATION INC. - Ecopid Wall Panels

Ceiling Material

1. JAMES HARDIE PHILIPPINES, INC. - HARDIEFLEX Fiber Cement Board

Floor System

1. CONCRETE VENTURES GROUP, INC. - Precast Prestressed Concrete C-Joist
2. JACKBILT INDUSTRIES, INC. - T-Joist Floor and Roof Deck System
3. SPANCRETE CONCRETE INC. - Precast Hollow Core Slab and T-Joist Floor System

Roof Framing/ Roofing

1. PHILIPPINE STEEL FRAMING CORPORATION - Galva Steel Truss
2. PHILMETAL PRODUCTS INC. - Spandek Roofing System
3. UNITED STEEL TECHNOLOGY INTERNATIONAL CORP. - Pre-Painted G.I. Roofing System

Septic Tank/Toilet System

1. YUNHAP PLASTIC CORPORATION - Three Chamber Plastic Purifying Septic Tank
2. GREENWAY TOILET SOLUTIONS - Greenway Eco-Toilet System

Others

1. WALLCRETE COMPANY INC. - Prefab Fences

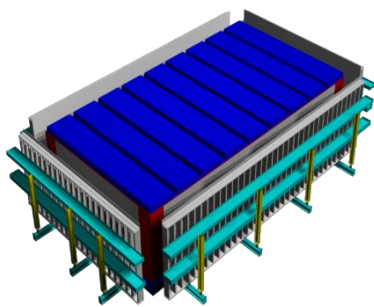
Total Number of Accredited Technologies: 51 TECHNOLOGIES

LOW RISE BUILDING (5 STOREY)

BEC SPECIALISTS PHILIPPINES INC.

Safe and Modular Housing Tech. (SAMHT)

It is a machine forming technology that enables manufacturing like applications to the construction industry. US patented technology is used to form seismically and typhoon-resistant reinforced concrete homes quickly and efficiently.



Contact Person : Mr. Patrick Oliver Gabriel

12/F Robinson's Summit Ctr, 6783 Ayala Ave., Makati City

M: 0915-3037117

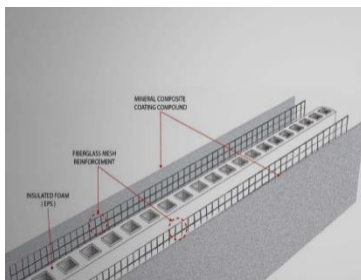
Email Address: pfgabriel@yahoo.com.ph

Validity: March 26, 2019 to March 26, 2022

ERGO EBLOCKS, INC.

Ergo Eblocks Integrated Building System

Ergo Eblocks Integrated Building System is a comprehensive set of modular housing components comprising of a proprietary foundation, wall panels, flooring and roof panels with accessories allowing construction of 5 floors much faster than conventional construction at a cost which is marginally lower than conventional construction.



Contact Person: Mr. Philip Ng, CEO

2634 Rockefeller St., Brgy. San Isidro, Makati City

T: (02) 843-1177 loc. 808

Validity: December 19, 2017 to December 19, 2020

LOW RISE BUILDING (5 STOREY)

LEXUS INDUSTRIAL ENTERPRISE CORPORATION

PPS Building Technology

An advanced system for industrial building utilizing fabricated, post-tensioned modular elements, this system has been in use since 1955 worldwide on mass housing, multi-storey residential blocks projects and schools etc (2.5M square meters of projects to date) the system is fast (5-7 days per floor); economical (20-30% less materials used); cost effective (lighter structure more efficient foundation design plus lower material consumption=lower cost); safe (designed for Zone 4 seismic zones; Category 5 Super-typhoons of more than 24KMP wind).



Contact Person: Benjamin Go, Pres./CEO

#19 San Ignacio St., Bo. Kapitolyo, Pasig City

M: 09178866926

Validity: December 28, 2018 to December 28, 2021

TAC-JCB SYSTEMS INC.

TAC System Formwork

The TAC System Formwork is a fast track, cost effective formwork system that has been used in the construction industry since 1980's. TAC System Formwork provides a "one stop" solution for all your problems. It eliminates all your problems and produce significant cost savings and unmitigated hidden costs.



Contact Person: Austin Dennis N. Arcega, Managing Dir.

#71 Timog Ave., Brgy. South Triangle Quezon City

T: (02) 426-3899/ (02) 576-0901

Validity: March 26, 2019 to March 26, 2022

ONE TO TWO STOREY BUILDING

BASE BAHAY FOUNDATION, INC.

Cement-Bamboo Frame Technology

Base advocates for the use of local renewable materials for construction embedded in resilient and sustainable building concepts in the Philippines. The building technology improves the local economies, is socially inclusive, provides disaster-resistant and comfortable homes and contributes to climate change mitigation and a cleaner environment – all at affordable costs. It can compete with conventional construction methods in terms of economy, technology, society and ecology. Moreover, construction duration is reduced, and the technology can be easily learned by skilled workers.



Contact Person: Maricen Jalandoni, General Manager
HILTI Sea Training Center UPRC III Bldg., 2289 Pasong Tamo
Extension Makati City, Metro Manila

Contact No. M: 09178744533

Validity: February 27, 2018 to February 27, 2021

BICOL STATE COLLEGE OF APPLIED SCIENCES AND TECHNOLOGY *Biscast* *Low Cost House Building System*

The BISCASST Low-Cost House Building System is elaborated according to the Philippine Building Code Standard and takes into consideration the different earthquake zones within the Philippines. The following new technologies are introduced by the Low-Cost House Building System:

- New hollow block size – more economical, easier to handle;
- U-shaped block, same size as hollow block used for fabrication of lintels and beams;
- Reinforcement for columns inside of the hollow blocks – no formwork required for columns;
- Combined strip – and slab foundation – apt for any kind of soil;
- Pre-fabricated slab system (beams and hollow blocks) – no formwork required;
- Modular arch. system – adjusted to varying financial capabilities of beneficiaries;
- Designs to be adapted to any kind of soil and earthquake regions;
- Reduction of material wastage up to 30%; and
- Environmentally friendly approach as no wood is needed for formwork.



Contact Person: Victor J. Revilla, President
Peñafrencia Avenue, Naga City

T: (054) 472-0416 or 472-0415

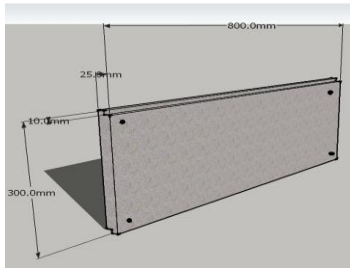
Validity: December 19, 2017 to December 19, 2019

ONE TO TWO STOREY BUILDING

CAVITE FORM MODULES

JJM Wall Formtile

JJM Wall Formtiles are made of concrete precast wall panels with pre designed sections, pre-punched holes and smooth surface finish that can be carried and handled by a single worker.



Contact Person: Jaime J. Mendoza Jr., President

3626 Buhay na Tubig, Imus, Cavite

T: (046) 435-6311 / 09778129210

Validity: March 26, 2019 to March 26, 2022

CONNOVATE PHILIPPINES, INC.

Connovate Precast Wall Panel

The building technology is the first high-performance concrete (HPC) solution for the low-income housing market aside from using low-carbon emission material, the technology's construction time is two times faster than the traditional construction methods. Connovate wall panels has a strength of 100Mpa (three times stronger than the ordinary concrete). This building system can last up to 100 years.



Contact Person: Mary Ann Villagrancia, Plan Manager

1201 Alabang Business Tower, Acacia Avenue, MBP,

Alabang, Muntinlupa

T: 807-8405

Validity: December 28, 2018 to December 28, 2021

ONE TO TWO STOREY BUILDING

ECO GREEN PANEL SOLUTION HOUSING CORP.

Eco Green Panel Board

Eco Green Panel Board is made from straw, sawdust, plant fiber and other discarded plant parts used as raw materials applied with binder to produce panel board and other building materials that is fire proof, shock proof, crack proof, insect proof and anti-freezing or heating.



Contact Person: Engr. Ricardo Rebolos, Operations Manager
Block 2 Lot 10, Upper Balulang, Carmen, Cagayan de Oro
M: 09177019067

Validity: March 26, 2019 to March 26, 2020

FLORIDABLANCA CONTRUCTION AND DEV'T CORP.

Precast Concrete Panel Structure

Precast Concrete Panel Structure is a building system using precast wall panel to make production of houses more efficient. Precast wall panel is a construction product produced by reinforced concrete cast in a reusable mold or form.



Contact Person: Copernico V.Echavez Jr., Proj. Manager
385 Macabulos St., Tomas Carmen Bldg., Bgy. Bankal,
Makati City

M: 0927-3934957

Validity: December 28, 2018 to December 28, 2019

ONE TO TWO STOREY BUILDING

FRAMEGO 101 CORPORATION

Proposed Cold Formed Steel Framing Structure

Cold-Formed Steel (CFS) framing building system is a resilient, strong, sustainable and cost-effective option across a variety of construction applications. Its system elements include galvanized and non-combustible CF structural frames for wall, floor and roof framing with yield strength of 33 ksi or 50 ksi., fasteners and connectors, braces and bracing, clips and connectors, all designed, manufactured under controlled and safe factory conditions and installed in accordance with the international building codes and industry standards. The building system integrates with a factory-controlled CAD design and detailing software, advanced roll-forming manufacturing equipment and structural engineering. CFS refers to a manufacturing process where galvanized steel is roll-formed into products such as studs, joists, track, headers, angles, truss members and other precision engineered components.



Contact Person: Engr. Joel Peñalosa/ Engr. Jessie Formentera

#979 Aurora Boulevard, Project 3, Quezon City

T: (02) 745-6791

Validity: September 26, 2019 to September 26, 2020

JACINTOCOLOR STEEL, INC.

Typhoon Resilient Pre-Fabricated Steel Frame Housing

A typhoon resilient pre-fabricated steel frame housing adapted to be mounted to a floor slab which could be convenient, easy to install, and dismantle as well for purposes of transferring it to another site or location as desired that includes a plurality of pre-fabricated panelized wall frames removably connected along its longitudinal edges and having openings for its windows and door provisions and a plurality of pre-fabricated panelized roofs each removably secured on top of said plurality of pre-fabricated panelized wall frames.



Contact Person: Ricky M. Tañedo - Project Engineer

Jacinto Cmpnd, KM. 21 Quirino , Bgy. Pasong Putik, QC

T: (02) 930-1872; (02) 937-5867

Validity: December 28, 2018 to December 28, 2021

ONE TO TWO STOREY BUILDING

KELE PHILIPPINE PROJECT INC.

Cellate Structural System

A structural member having a core of either an aerated or non-aerated cementitious mortar containing foamed polystyrene beads and an outer skin of high tensile steel fiber reinforced cementitious material and from sand, cement and water to form members and panels which are joined by pre-stressed and/or post tensioned steel cables passing through the core encased Fibercrete.



Contact Person: Charles Stephen S. Ng Sy, President
Unit 10 3F Golden Victoria Tomas Morato Quezon City
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Email add: charlengsy@keleprojects.com
Validity: March 26, 2019 to March 26, 2020

LICIADA INNOVATIONS, INC.

FCS Interlocking Brick Building System

FCS Bricks is an interlocking brick system. FCS Interlocking Brick system saves cost by eliminating formworks for reinforced concrete columns and beams, plastering and painting costs, reducing many workers, steels and cements. Constructing column and beam without the need of formworks as well as eliminating the plastering works, weather proof construction, are the key factors why it is constructed faster than conventional.



Contact Person: Alma Postrano, Head - Marketing Dep't.
9024 Barangay Liciada, Bustos, Bulacan
T: 584-0000 584-6868/ M: 0917-6272330
Validity: December 28, 2018 to December 28, 2021

ONE TO TWO STOREY BUILDING

MANDO WINIA CONSTRUCTION CORP.

Steel Wall Sandwich Panel

The Steel Wall Sandwich Panel System (SWSPS) is made up of steel wall sandwich panel, 100x100x1.0 mm Tubular Steel column, back to back U-Bar 75T 1.0mm thick column and roofing system. The steel sandwich panel is made of composite galvanized steel plates at both exterior sides and core insulation material at the interior that provides good sound and insulation and water proofing. It is also made of light materials and construction period is shorter compared to the conventional concrete or brick building and the assembly and disassembly is easier. It can be easily installed in any condition, regardless of product length, and various types of buildings can be constructed. The SWSPS can also be used for temporary houses that need fast installation. One unit can be erected in one day less foundation works.



Contact Person: Dorothy Dan-A Kwon, Liaison Manager
Lot 384-D, Marcos Highway, Brgy. Mayamot, Antipolo City
M: 09272052036

Validity: August 16, 2017 to August 16, 2020

NEDSTEEL CONSTRUCTION AND DEVELOPMENT CORP.

Light Gauge Steel Framing System

The concept of steel frames for house construction is not new in the eastern world, but the NEDSTEEL System, through a series of innovations and computerization of the production process, dramatically reduces material costs and cuts frame assembly time by more than half. NEDSTEEL has developed a new approach to house framing, an approach which offers exceptional advantages in both cost savings and ease of manufacture.



Contact Person: Nelson G. Gutierrez

#88 Shaw Boulevard, Brgy. Oranbo, Pasig City

T: (02) 738-3046/ (02) 654-6217

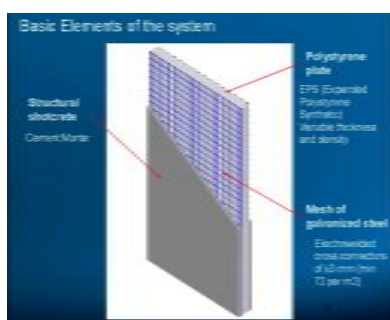
Validity: September 26, 2019 to September 26, 2022

ONE TO TWO STOREY BUILDING

NEXT CENTURY BUILDING SYSTEMS INC.

M2 Panel (Building System)

The core element of M2 Panel advance building system is about a modular system, not a pre-fabricated panel. The panel is made up of two galvanized welded steel wire meshes, joined by connectors that enclose an expanded polystyrene (EPS) panel, shaped as required. The M2 panels then assembled and sprayed with shotcrete on site.



Contact Person: John Castillo

Unit 1011, 10 F The Infinity Tower, 26 St. BGC, Taguig

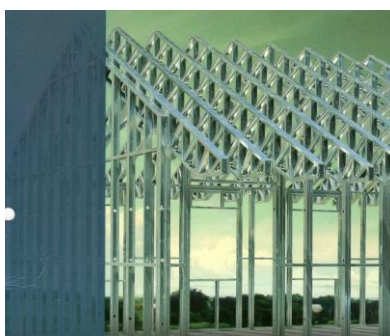
T: (02) 556-0201

Validity: September 26, 2019 to September 26, 2020

PHILIPPINE STEEL FRAMING CORPORATION

Housetek

Housetek is world class hybrid framing system that transforms into a strong steel framing system (Optimus Frame) with lightweight concrete (Teknocrete) walling to create an optimized steel building system for mass housing, residential, school, commercial, and agro- industrial structures. Optimus frame steel building system promises optimized strength, quality, speed, versatility, and cost savings.



Contact Person: Engr. Robby V. Teresa, Engr. Manager

Bgy. Del Rosario, San Fernando, Pampanga

M: 0917-5924669/0915-1521674

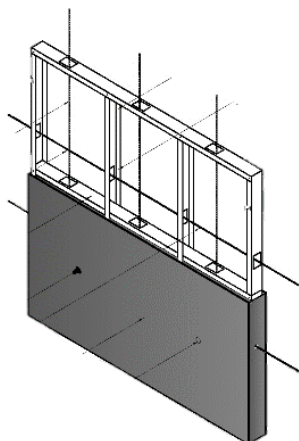
Validity: February 27, 2018 to February 27, 2020

ONE TO TWO STOREY BUILDING

PHILMETAL PRODUCT INC.

Galvaframe

Galvaframe is a technology using lightgauge steel framing for fast, typhoon resilient and cost efficient construction.



Contact Person: Francisco S. Evangelista, Sales Manager
Philsteel Tower, 140 Amorsolo St. Legaspi VII. Makati City

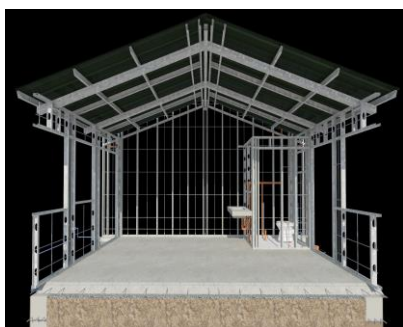
T: '(02) 813-8382 local 268 / (02) 840-2123

Validity: March 26, 2019 to March 26, 2022

SCHMIDT KONSTRUKTION SYSTEMS CORP. (SKSC)

SKS Steel Framing System

SKS Structural Steel Framing System is a unique framing made by feeding high tensile steel galvanized or zincalume coil to our machine which then forms the said steel framing profile. SKS Steel Framing is perfect for mass housing as its frames are pre-cut, pre-holed and pre-punched, making it not only cost-effective and builder efficient, but also structurally sound. Frames are screwed and riveted together, interlocked and erected together based on designs of a structural engineer.



Contact Person: Mr. Stewart Kevin Plibundo, Manager
4 Apo St., Quezon City

T: 731-0011/731-0022/ F:740-5416 / M:0917-8375410

Email add: skp@sks.com.ph

Validity: July 18, 2018 to July 18, 2021

ONE TO TWO STOREY BUILDING

SMART MASONRY PHILIPPINES

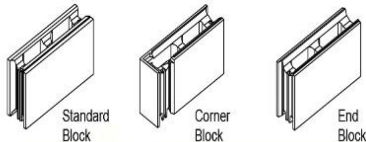
Smart Masonry System

The Smart Masonry Building is basically a dry stack construction. Blocks are designed to interlock using an internationally patented alignment key to secure it prior to core-filling, allowing easy and accurate alignment during stacking. Due to the blocks high strength, it could function like a reinforced concrete wall. The masonry system is 3 times faster to build than the conventional system.

"At Last a Smarter way to Build"

The Smart Masonry Building System is a smarter, more cost effective method of wall construction which eliminates the use of mortar by using a dry stacked, steel reinforced and core-filled system.

(Blocks are available in 4", 6" & 8")



Contact Person: Dan Benedict M. Relucio, President

CIC Compound Felix Ave., Cainta, Rizal

T: (02) 997-9900

Validity: March 26, 2019 to March 26, 2022

UNIMORE INTERNATIONAL TRADING COMPANY

Pre-Engineered and Pre-fabricated Housing System

Pre-engineered and pre-fabricated housing system using steel framing and concrete materials. A pre-engineered house is a metal structure that consist of light gauge steel framing with beam boxes, wall studs, tracks and double furrings as components using ficem board formworks to incorporate concrete walls wherein pipes may be embedded and walls are considered as load bearing.



Contact Person: Fenton Chua – VP Operations

18th Floor Unit C, The Eastwood, La Fayette 3, Eastwood City, Libis, Quezon City

T: 718-5291

Validity: July 18, 2018 to July 18, 2021

ONE TO TWO STOREY BUILDING

WALLCRETE COMPANY INC.

Prefab Technology

The prefab technology is a modular pre-fabricated concrete materials using interlocking wall panels, column, tie beam, slab and stairs with finished texture on both sides, structurally tested with 2500-3500 psi and exceeding simulated test witnessed by ASEP president year 2000. Comparing to conventional with less than 20-30% construction time and 15% project cost savings.



Contact Person: Ruben O. Briones

No. 1269 EDSA Balintawak, Q. City

T: 363-4545; 411-5400 / F: 361-4611

Validity: December 19, 2017 to December 19, 2019

ZUMYPHIL CONSTRUCTION INC.

Precast Concrete

The Concrete walls uses a tilt-Up technology. The Slab on grade has a strength of 2,500psi (17MPA). For the Precast wall panel, the strength is at 3000 psi (21MPA) altogether this strength should be achieved at a minimum of 28 days. The foundation should sit on at a minimum of 3000psf of soil bearing capacity.



Contact Person: Albert Lim/ President

201 Don Mariano Cui St., Capitol Site, Cebu City

M: 09176214159

Validity: December 19, 2017 - December 19, 2019

ONE TO THREE STOREY BUILDING

JBC INNOTECH CORP/GRADITEL CONSTRUCTION CORPORATION

JBC Wall Panel

Permanent formworks made up to 2 cellulose fiber cement boards attached/joined by 56 pieces expanded polystyrene studs (EPS).



Contact Person: Steve L. Cristobal,

Unit 408, Antonio, Center Prime St. Madrigal Business Park 2, Alabang Muntinlupa

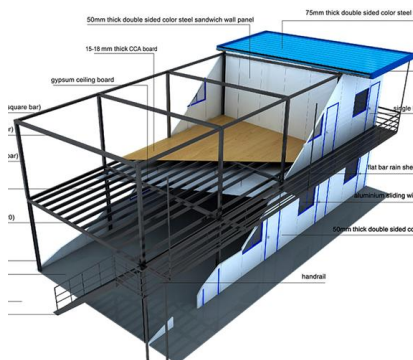
T: (02) 346 -2225/ (02) 8721718 M: 09188075182

Validity: February 16, 2017 to February 16, 2022

SOLIDGROUP TECHNOLOGIES CORPORATION

MyHouse Modular Building Technology

MyHouse Modular Building Technology uses lightweight steel structures interlocked or bolted with metal sandwich and roofing panel. The wall panels are color coated steel sandwich board made of 32 mm thick double-sided steel sheets with expanded polystyrene at the mid layer while the roof panel are either one-sided or double-sided corrugated color coated steel sheet with expanded polyurethane foam that is being injected. The doors are profiled bar frames and color coated steel sandwich board and windows are aluminum alloy frame window with sliding and fixed glass window. Every part of the building system is pre-engineered for a model type that is designed for easy transport and quick construction and dismantling for reuse. The panels have superior strength and they are heat and noise resistant. The powder coating paint finish makes MyHouse product attractive, clean, rust and fire resistant.



Contact Person: Rudolph Valentino M. Panlilio

Green Sun Bldg. 2285 Chino Roces Ave., Makati City

T: (02) 548-9235/ 09228976717

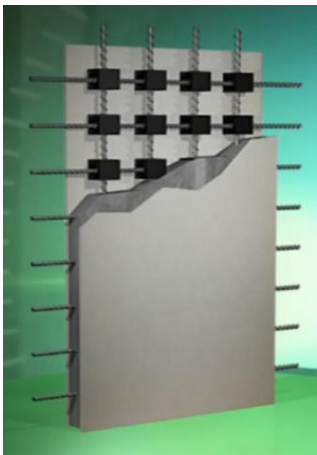
Validity: September 26, 2019 to September 26, 2022

ONE TO THREE STOREY BUILDING

STERLING CONSTRUCTION AND DEVELOPMENT CORP.

Plaswall

Plaswall is a permanent formwork comprising of plastic spacer and fiber cement board that serves as the finished wall surface. No plastering needed when filled with concrete, it forms a monolithic load bearing wall and shear wall. Plaswall is faster than conventional masonry construction and eliminates time consuming traditional site practice.



Contact Person: Ar. Oliver Olarte
L-8 B-13 Golden Mile, Business Park, Carmona, Cavite

T: /889-0934/844-7160

Validity: September 26, 2019 to September 26, 2022

HIGH RISE BUILDING

PHILIPPINE CONSTRUCTION CONSORTIUM CORPORATION *Foam Concrete Technologies (Using RBM Machine)*

Foam Concrete Technology is a new method of casting partition and perimeter walls in place by using RBM formwork system (optional) or phenolic board and RBM machine for pumping mortar mix with foam and hardener additives.



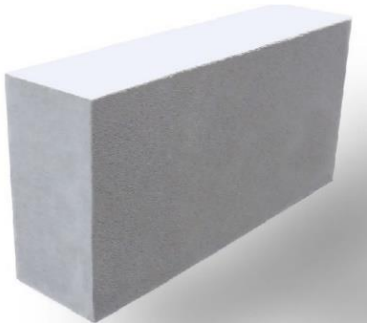
Contact Person: Ms. Marie Antoinette Lim, Treasurer
1101 West Trade Center, West Avenue, Quezon City
T: 4561393 / 4116772 / 4124845
M: 09168890772 / 09255556590
Validity: February 16, 2017 to February 16, 2020

WALL PANEL/ MATERIAL

AAC LIGHTWEIGHT BLOCK CORPORATION

AAC by Lightstrong Blocks

AAC by Lightstrong Block, an autoclaved aerated concrete, is produced from all-natural ingredients such as sand and/or fly ash, quicklime, cement, gypsum, aeration agent and water. It provides transcendent features and advantages that provides a fast and easier construction. It is lightweight, durable and most specially, cost-saving.



Contact Person: Jennifer H. Latoga, General Manager

211 Calajoan, Brgy. Tulay, Minglanilla, Cebu City

T: (032) 233-1234

Validity: December 19, 2017 - December 19, 2020

ALPES VERDES INTERNATIONAL CORPORATION

M-Wall Panel and M-Floor Panel

M Wall and M Floor Panels are the "green" alternative material to CHB and drywalls and suspended floor slabs, respectively. Made of sustainable building materials are locally available and renewable. Made of cellulose fiber cement (M-Wall Panels) and concrete (M-Floor Panels) combined with the new "green steel" bamboo.



Contact Person: Ms. Maresciel Ang Yao, President

Unit 2016 B PMHA Building, East Avenue, Brgy. Pinyahan, Quezon City

T: (02) 351-8503

Validity: September 26, 2019 to September 26, 2022

WALL PANEL/ MATERIAL

CEBU EVERGREEN INDUSTRIES INC./ PT ETEX BUILDING PERFORMANCE INDONESIA ***Kalsi Fiber Cement Board***

KALSI is a range of fiber cement boards manufactured from a precise combination of Portland cement, silica and cellulose. As part of the European patented technology, the boards are cured and stabilized in an autoclave, a special process involving steam, high temperature and pressure, that ensures optimum dimensional stability and mechanical performance, ideal for various dry construction applications, KALSI boards complies with the highest international standards and are used across 5 continents.



Contact Person: Ms. Mayeth F. Delgadillo

Mandaue City, Cebu/Gresik, Indonesia

M: 09178927941

Validity: March 26, 2019 to March 26, 2020

CHINA- PHILIPPINES WALL TECH SYSTEMS INC.

Fahstwall

Fahstwall is a pre-cast panel made from a composite of concrete, EPS granules, organic and inorganic fibers, sandwiched by waterproof and fireproof Fahstwall boards on both faces and fused together by high strength binders through a systematic curing production process.



Contact Person: Diana Lim/ Robert Padin, VP-Admin

B. Suico St., Brgy. Tingub, Mandaue City, Cebu

T: (032) 326-0615

Validity: September 26, 2019 to September 26, 2022

WALL PANEL/ MATERIAL

HEIJIN INTERNATIONAL TRADING CORPORATION

EPS Cement Sandwich Panel

Expanded Polystyrene Sandwich Panel is composed of exterior panels and interior core filling to form a non-load bearing light-weight composite wall panel. The exterior panel on both sides are 5mm Calcium Silicate Board and the middle core is filled with Polystyrene beads mixed with cement and sand. It is fast and easy to install, no plastering needed, better sound and thermal insulation and light and energy saving wall panel.



Contact Person: Shiela Ann D. Apawan, Secretary/Finance
Casili Road, Tawason, Mandaue City

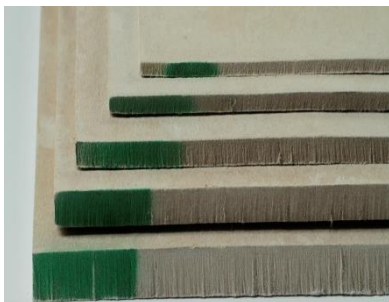
T: (032) 316-3976

Validity: September 26, 2019 to September 26, 2022

JAMES HARDIE PHILIPPINES, INC.

HARDIEFLEX Fiber Cement Board

Hardieflex Fiber Cement Boards are lightweight, eco-friendly, cost effective and durable against a host of destructive factor - termites, fire, impact, rotting and moisture damage. It is made up of raw materials that are low in toxicity; cellulose fiber - unbleached pine wood pulp from sustainable plantation timber, ordinary Portland cement, locally sourced sand/silica and small amounts of additives as required for specific product properties.



Contact Person: Woldo S. Figuracion

Brgy. San Isidro, Cabuyao, Laguna

T: (02) 870 2500 M: 09188183945

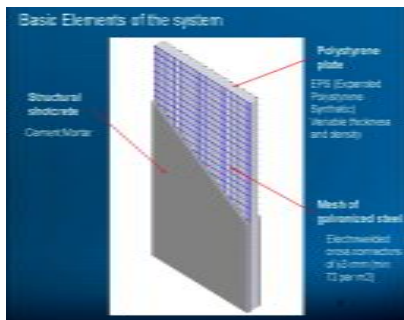
Validity: December 28, 2018 to December 28, 2021

WALL PANEL/ MATERIAL

NEXT CENTURY BUILDING SYSTEMS

M2 Panel (Wall Panel)

Polystyrene Panels Sandwiched by 2.75mm G.I wire mesh and 3mm cross connecting wires. Used for internal and external wall partitions with load bearing properties and others such as acoustic and heat insulation, fire retardant, seismic resistant and rust free metals.



Contact Person: John Castillo, Technical Manager
Unit 1011, 10F The Infinity Tower, 26 Street, BGC, Taguig
Contact No. T: (02) 556-0200

Validity: September 26, 2019 to September 26, 2022

PALMECO PHILIPPINES CORPORATION

Palmeco Board

Palmeco Board is an eco-friendly board alternative to gypsum, wood and cement-based building board that is tough, durable, delivers superb high quality finish, versatile and easy to install. It is fire resistant, water resistant, termite proof, rodent proof, sound insulator, heat insulator, non-toxic and sustainable and renewable.



Contact Person: Krizzel Joy Magay
#167 20th Avenue Cubao, Quezon City
T: (02) 294-0977 M: 09173025275

Validity: December 28, 2018 to December 28, 2021

WALL PANEL/ MATERIAL

PERMAFORMS INC.

Permaforms Wall Panel

Permaforms is a system that has a main component of double panel boards (Fiber Cement Board) & is adhesively separated by an adaptor that are glued at its inner surface. The adaptor is glued at pattern that would allow the flow of concrete inside the panel. This is in replacement or a better alternative than a conventional concrete hollow block wall or masonry wall. Concrete in-fill & reinforcement (by others) may vary depending on the design requirements by structural.



Contact Person: Mr. Joseph James Andaya, President
B 8 L 21 Dahlia St., T.S. Cruz Subd., Almanza Dos, Las Piñas
T: (02) 881-8865/835-7175

Validity: March 26, 2019 to March 26, 2022

PHILIPPINE STEEL FRAMING CORPORATION

Teknocrete

Teknocrete is also known as foam concrete, cellular concrete, cellular lightweight concrete, or aerated lightweight concrete. It is technically a type of mortar, as it has no aggregate used in its production. It is produced by diluting a foaming agent with water and expanding it with air within a foam generator. This harmless foam is then mixed into a cementitious slurry. Teknocrete is used as filling material for walls of house tek, school tek and PABS building systems. It is not for structural applications.



Contact Person: Engr. Robby V. Teresa, Eng'g. Manager
Bgy. Del Rosario, San Fernando, Pampanga
M: 0917-5924669/0915-1521674

Validity: February 27, 2018 to February 27, 2020

WALL PANEL/ MATERIAL

SHERA BUILDING SOLUTION PHILIPPINES

Shera Fiber Cement Board

Shera is an eco-friendly, non-asbestos fiber cement board and various wood substitution products. It is composed of Portland cement, sand and cellulose fiber. It has resistance against fire, moisture, termite & insects. Which makes it an APT material for various applications in flooring, ceiling, siding and exterior/interior wall.

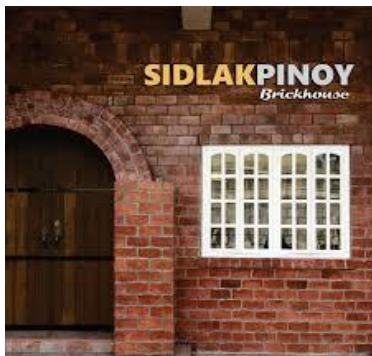


Contact Person: Maitha Carmen/Project Sales Manager
Level 20 One Global Place, 25th St. Cor 5th Avenue,
Bonifacio Global City, Taguig City
M: 0917-8096047
Validity: July 18, 2018 - July 18, 2021

SIDLAKPINOY, INC.

Sidlakan Firebricks

Sidlakan Firebricks is a product of local Pinoy technology where silt, in combination with farm and volcanic wastes like rice hull, corn cobs and lahar are combined to produce beautiful and strong fire bricks. These rustic red fire bricks are found to be at least two times the strength of the local concrete hollow blocks used in the Philippine market today. Production of Sidlakan bricks help in the restoration of heavily silted dams, hydroelectric plants and other waterways. Users of Sidlakan Firebricks found that total construction costs is reduced by at least 35%. The houses using Sidlakan Fire Bricks are naturally beautiful, cooler to live in, has lesser air conditioning costs and termite resistant.



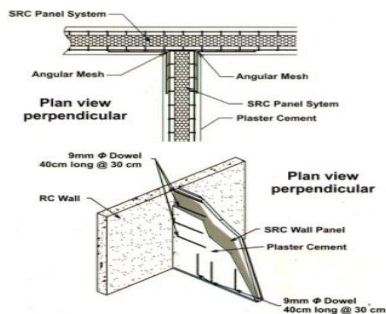
Contact Person: Raya Alkuino - Gregorio
Alkuino Compound, Valencia City, Bukidnon
M: 09778363328
email ad: sidlakpinoy@gmail.com
Validity: December 28, 2018 to December 28, 2021

WALL PANEL/ MATERIAL

SRC INT'L PANEL SYSTEM, INC.

SRC Steel Reinforced Concrete Panel

The Panel System is a wire space frame constructed similar to a truss, with a 39mm thick expanded polystyrene (EPS) core. The faces of the three-dimensional wire frame are wires with welded intersection spaced 50mm apart in both directions. The wire fabrics are held 75mm apart by 2.3mm diameter spreader wires pierced diagonally through the foam core and welded 50mm apart on every longitudinal wire on both the wire fabrics in a staggered arrangement.



Contact Person: Myrna Montaos

Victoria Wave Special Economic Zone,

Brgy. 186 N. Caloocan

T: 939-5893 / 983-8106 to 08 / F: 983-7778

Validity: September 26, 2019 to September 26, 2022

UNIMASTER'S CONGLOMERATION INC.

Ecopid Wall Panels

Ecopid Wall Panel is a lightweight aggregate concrete wall panel with a 5mm fiber cement board on both sides with filler made of concrete and perlites making it a light material.



Contact Person: Mr. Ernesto L. Uy, Manager/ Off. Engr.

Unit 1002 Orient Square, Emerald Avenue, Pasig City

T: (02) 6316015 / (02) 6875884

Validity: February 16, 2017 to February 16, 2020

CEILING MATERIAL

JAMES HARDIE PHILIPPINES, INC.

HARDIEFLEX Fiber Cement Board

Hardieflex Fiber Cement Boards are lightweight, eco-friendly, cost effective and durable against a host of destructive factor - termites, fire, impact, rotting and moisture damage. It is made up of raw materials that are low in toxicity; cellulose fiber - unbleached pine wood pulp from sustainable plantation timber, ordinary Portland cement, locally sourced sand/silica and small amounts of additives as required for specific product properties.



Contact Person: Woldo S. Figuracion

Brgy. San Isidro, Cabuyao, Laguna

T: (02) 870 2500 M: 09188183945

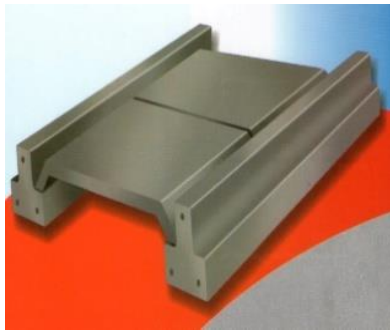
Validity: December 28, 2018 to December 28, 2021

FLOOR SYSTEM

CONCRETE VENTURES GROUP, INC.

Precast Prestressed Concrete C-Joist

C-Joist is a precast, prestressed, concrete joist used as floor and roof slab system. It is a concrete product with pre-tensioned tendons as its reinforcement. Basically, a concrete joist supports a suspended flooring and form part as a slab system. C-Joist was laid on top of the beams with a minimum of 4 inches seating clearance on concrete beams and at least 3 inches bearing capacity for the steel I-beams. Reinforced Permanent Concrete Forms (PRF) was placed on top of the C-Joist shoulder in between distances. Panel bars on beams are required on shear connectors. It requires minimum of 2 inches concrete on top of C-Joist to a maximum of 3 inches structural slab. It is an alternative method from conventional wooden joist and helps to speed up construction.



Contact Person: Julius Ceasar Reus, Account Executive
36 1st Avenue, Cubao, Quezon City

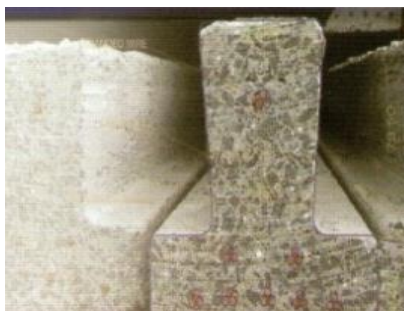
T: 723-4922 to23

Validity: November 24, 2016 to November 24, 2019

JACKBILT INDUSTRIES, INC.

T-Joist Floor and Roof Deck System

T-Joist floor and roof deck slab consist of poured-in-place concrete slab and precast pre-stressed inverted T-Beams called T-Joist. T-Joist is mass produced at a controlled factory setting with the use of slip former, cured and cut to client's specification. The system eliminates the use of forms which directly translates to savings in time and money.



Contact Person: Engr. Adrian Gonzales

21st PET Plans Tower Bldg, 444 EDSA, Guadalupe Viejo,
Makati City

T: 856-1922 / 846-2222 / F: 856-6598

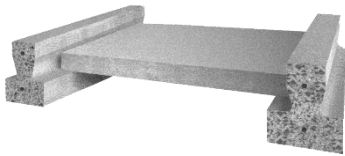
Validity: May 11, 2017 to May 11, 2020

FLOOR SYSTEM

SPANCRETE CONCRETE INC.

Precast Hollow Core Slab and T-Joist Floor System

Hollowcore and T- Joist Floor System is designed based on NSCP, UBC, and act building code requirements for pre-stressed and composite concrete design. It has 3-wire PC-Strand 1/4" diameter org, 32mm diameter conforming to ASTM A416 low relaxation, plain type with yield stress of 1,674 MPA (243,000 PSI) and ultimate strength of 1,860 MPA (270,000 PSI). It has concrete strength of 41.40 MPA (6000 PSI) within 28 days and 24.20 MPA (3500 PSI) transfer strength.



Contact Person: Arch. Christian Glen Noriega, Marketing Manager

8001 GP Katwiran St. Bgry. Ibayo-Tipas, Taguig City

T: (02) 643-4720/ (020 994-5584

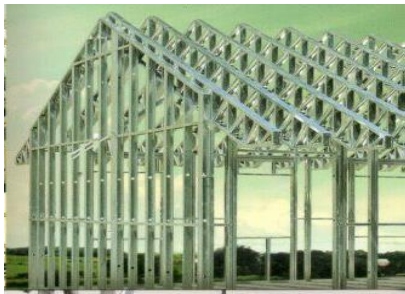
Validity: March 26, 2019 to March 26, 2022

ROOF FRAMING / ROOFING

PHILIPPINE STEEL FRAMING CORPORATION

Galva Steel Truss

The proposed technology is a roof framing system that utilizes specially-designed and innovative steel sections manufactured using roll forming machines. It utilizes Hot Rolled Coil (HRC) with metal primer finish or galvanized Cold Rolled Coil (CRC) with thickness ranging from 1.5-2.0mm for its S-sections and web member sections and 1.0-1.5mm for its purlin.



Contact Person: Robby V. Teresa

Brgy. Del Rosario, CSFP

M: 09175924669/09151521674

Validity: August 16, 2017 to August 16, 2020

PHILMETAL PRODUCTS INC.

Spandek Roofing System

The Spandek Roofing System is a pre-painted rib type roofing system made from galvalume 55 substrate with double oven baked Polyester top coat paint, fixed firmly thru the use of pierce fasteners, J-bolt anchor or a combination of both. The roofing system materials are guaranteed hot dip process coated and oven-baked top coat for a guaranteed consistent quality. Hookbolts and self-drilling screws are more efficient in terms of holding capacity. Roof panels have significant effective coverage so fewer panels are required enhancing efficiency in cost and speed.



Contact Person: Mr. Francisco Evangelista, Sales Manager/Mr. Jerremie Paraz, Sales Supervisor
Philsteel Tower, 140 Amorsolo St., Makati City

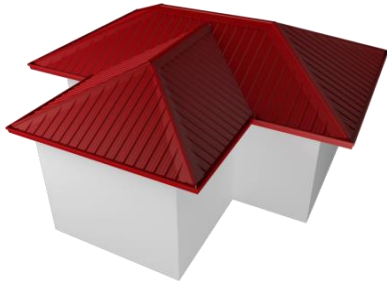
T: 813-8382

Validity: August 16, 2017 to August 16, 2020

UNITED STEEL TECHNOLOGY INTERNATIONAL CORP.

Pre-Painted G.I. Roofing System

Steeltech Pre-painted GI Roofing System consists of colored roofing sheet and is connected using J-bolt along gutter line and tekscrew on the rest of the roofing area. The said system minimizes labor time and cost. Imported raw materials and paints are used in producing coils and tested vigorously comparable to international standards to assure high quality products.



Contact Person: Maria Paula Dulalia, 12/F BPI

Building Quintin Paredes St., Binondo, Manila

T: (02) 567-3671 to 74/ 09175100918

Validity: August 16, 2017 to August 16, 2020

SEPTIC TANK/TOILET SYSTEM

YUNHAP PLASTIC CORPORATION

Three Chamber Plastic Purifying Septic Tank

The Three Chamber Plastic Purifying Septic Tank is produced using indigenous and recycled plastic materials. This product addresses to the environmental requirements of human waste disposal by insuring that the harmful biological and chemical waste are not allowed to seep into the soil thus preventing ground water contamination and ensures that the effluent is almost coliform free. Unlike concrete septic tanks, the plastic septic tank is flexible and will not crack. This is installed in a very easy procedure with minimum labor and time cost.



Contact Person: Ms. Kyung Hak Jang, Chief Executive
Prk. 10, Ising, Carmen, Davao del Norte

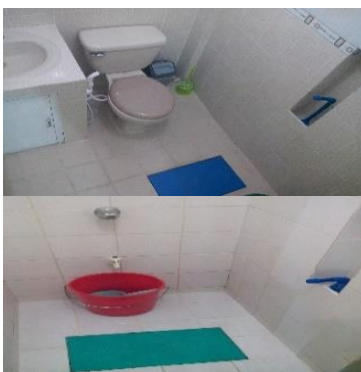
T: (084) 628 4004

Validity: July 18, 2018 - July 18, 2021

GREENWAY TOILET SOLUTIONS

Greenway Eco-Toilet System

A water saving device that when installed in bathrooms will allow water already used for bathing to be re-used for toilet flushing purposes thus helping households to save 30 to 40% on their water consumption/bills.



Contact Person: Mr. Daniel A. Camacho, Inventor

G/F Plaza Andrea Bldg, Holy Spirit D., Bgy. Holy Spirit, C

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Validity: December 19, 2017 - December 19, 2019

OTHERS

WALLCRETE COMPANY INC.

Prefab Fences

Wallcrete Prefab Fences is a modular concrete fence system using interlocking wall panels, columns and tie beams designed with versatility that gives a warm, aesthetic and clean appearance while providing strength and security well beyond CHB. With finished texture on both sides, the tongue and groove system has a quick, clean and efficient installation even during rainy days. Its assembly is clean unlike messy hollow block laying and plastering.



Contact Person: Ruben O. Briones

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Validity: December 19, 2017 to December 19, 2019



as of November 2019