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No.	System Type	IBT System Name	Company Name	Contact Person	Tel	E-mail	NHBC Rational Design Approval/ Agrément Certified	Description	On Site Contact for Already Built Projects	Already Built Projects	On Site Contact for Houses Under Construction	Under Construction Projects	Manufacturing	Photo of a Building	IBT CAT Condition Assessment tool and Rating Score	
1	Walling and Building System	RBM Greenbuild Building System (pty) Ltd	RBM Greenbuild (Pty) Ltd	Thami Khanyile	Landline: 031 713 0738/749 1745 Cell: 081 788 6075 or 078 749 1745	thami@khuthala.co.za	Type of approval: Agrément Certificate Date of approval: 6 August 2013 Certificate no.: 2013/430 Status: Active 2016	RBM Greenbuild System consists of a batching machine, LW reusable formwork and RBM foam micro-concrete. The batching machine is designed and manufactured in accordance with ISO 9001:2008 standards. Formwork is made from light gauge steel and pre-designed according to architectural design. The system utilises conventional foundations of concrete which are always the responsibility of the engineer. The shutters are erected on a level slab and then pumped with foam micro-concrete, once cured shutters are stripped. The roof is constructed of conventional standard light-weight steel or timber trusses either clad with metal sheeting or concrete roof tiles.	1.Thami, Cell 078 749 1745	Inspected.	Not applicable	1.Name of project: Kennedy road project Physical address: Kennedy/Dodoma Road/ Barton place, KZN, Durban No. of houses: 505 Size of houses: Triple and double storey walk ups	Manufacturing: Light weight concrete batched on site. Additives to be imported from Malaysia Project: As the project location Products manufactured: Shutters manufactured locally. Pietermaritzburg, Durban			
2	Walling and Building system	Robust	Robust Structures (Pty) Ltd	Willem van Moerkerken, João Vieira	Landline: 011 420 1470 Fax: 011 420 1463 Cell: 083 301 6451 or 083 680 2297	Info@robuststructure.com willem@robuststructure.com joaovieira@robuststructure.com	Type of approval: Agrément Certified Date of approval: 1999/272 Certificate Holder: Robust Structures (Pty) Ltd Status: Active 2016	Robust wall panels are manufactured from 0.4mm mild steel sheeting, which are punched, expanded and formed into a zig-zig profile. Panels are stiffened transversely with 2.5mm wires spot welded to each face at 200mm centres. Mortar is applied to panels either by hand or mechanical packing. Mechanically applied mortar may be applied wet (pumped) or dry (gunited), with hand-packed mortar and mechanically applied wet mixes. Both faces of core are plastered. In non-corrosive environments plaster will have a 28-day compressive strength of 10MPa, however in severely corrosive environments higher characteristic strengths may be specified.	1.Roben Jansen, Cell 083 680 2205	1.Name of project: Eric Molobi Housing Innovation Hub Type of Building: House Physical address: Amabokko Bokko Street, Soshanguye A, Tshwane No. of buildings: 1 (only one was inspected) Size of buildings: 55m2 & 112m2	Not applicable	Not applicable	Manufacturing: Local plant Address: Unit 4A & 4B, Poplar Secure Park, 16 Lancaster Road, Benoni South, South Africa, 1500 Products manufactured: Robust Core expanded metal w-profiled panels measuring 430mm in width to the length of wall being required with a weight of 3.55 kg/m2.			
3	Innovative Building System	Modform	Mbelengwa Civil and Mechanical Services	Tshilo Keneth Tshihavhana	Landline: Cell: 082 256 0020	mbelengwa@gmail.com	Type of approval: NHBC approved rational design Date of approval: 26 August 2004, Certificate no.: Via Letter Status:	The walling system comprises a reinforced concrete panel, designed in accordance with the provisions of SABS 0100-Code of Practice for the 'Structural Use of Concrete'. Structures designed are deemed to satisfy the requirements of the National Building Regulations and also satisfy the requirements of the NHBC. The walls comprise 100mm thick reinforced concrete panels, 'cast in-situ' between patented modular plastic forms using a 20MPa plasticized, air-entrained self levelling concrete. The 'Modform Plastic Formwork' are extremely portable and are designed to clip together as formwork to form panels of the required thickness and of any size up to the limits or walls panels in SABS 0400. The plastic forms can be dismantled and reused in excess of 100 times. The overall layout of the building must satisfy the requirements for lateral support of wall panels in accordance with Table 2 of SANS 10400 Section K. Walls are generally reinforced with a high tensile steel welded fabric. Door and window frames are conventional units typically used in housing throughout South Africa. The 'Modform Plastic Shutters System' of the wall construction has a number of advantages. The most obvious is that the house can be erected in a very short space of time, by utilising local available skills, without requiring specialised equipment other than the patented formwork.	1. Ms. Lynn Garth, Cell 081 578 4724 2. Sonnyboy, Cell 082 962 5732 and Anna, Cell 082 091 5520	1. Name of project: Cosmo City Project Type of building: Houses Physical address: Address: No. 6581 Cnr: Sierra Leone & Central African Republic Avenue, Cosmo City. No. of buildings: 1 Size of buildings: 54m² Only 1 was inspected in Muldersdrift	Not applicable	Not applicable	Manufacturing: Shuttering Physical Address: Shutters is Pennyware Distributors, PO Box 43225, Industria, 2042, E-mail: info@pennyware.net Products manufactured: Injection Moulded Panels 300x300 & 300x100, Wall Spacers, Mesh Spacers, Plastic Nuts, & Bolts, Steel Inner & Outer Corners, Stiffeners, Bracketry, Center Bolts & Nuts, Adjustable Vertical Stays Braces, Door Frames, Window Frames, Block out Systems, Concrete Mixers, etc.			
4	Walling and Building System	Hydraform Building System	Hydraform Development (Pty) Ltd	Dionne Harber	Landline: 011 913 1449 Cell: 082 566 1874	dionneh@hydraform.com	Type of approval: Agrément Certificate Date of approval: 29 April 1996 Certificate no.: 1996/237 Type of approval: NHBC Date of approval: 2015/09/01 Certificate no.: 1-223474083 Type of approval: CIBS Date of approval: 2015/07/16 Certificate no.: 10070968 Status: Active 2016	Hydraform manufactures the Hydraform Blockmaking machines for onsite block production of interlocking dry stacked soil-cement blocks. The system has been used to provide jobs in local communities, skills development and build a variety of needed structures such as houses, schools, clinics and hospitals. The Building system is easy to use and comprises of: - Conventional cast in-situ concrete strip foundation and surface beds or cast in situ concrete surface beds with thickened edge beams and thickenings under internal walls - 220mm thick external walls of soil-cement blocks which are either dry-stacked or laid in horizontal mortar joints which may be reinforced, depending upon their position in the wall. - 110mm wide semi-dry stacked and reinforced internal walls. - Conventional roof construction and covering - The conventional window and door frames - Conventional gypsum plasterboard ceilings are used - Conventional services	1. Dionne Harber, Cell 082 56601874	1. Name of project: McNelle Type of building: Housing Physical address: Stand 102, Libradene, Boksburg No. of buildings: 5 houses Size of buildings: 255 - 280m² 1 was previously inspected	Not applicable	Other African countries.	Machine Manufacturing: Local plant Address: 47 Columbine Place, Ring Rd, Industrial Park, Durban Products manufactured: Blocks produced on site			
5	Walling and Building System	Izobok Building System	Aveng Infraset a business unit of Aveng	Mike Nkosi, a consultant acting on behalf of owner	Cell: 079 1108426 or 083 2897334	mike@sandstormw.co.za	Type of approval: Agrément Certificate Date of approval: 22 October 2008 Certificate no.: 2008/348	The wood/cement blocks are manufactured in the Czech Republic in compliance with Austrian Specification ONORM B 3208. The typical block sizes are 1000mm long x 250mm high x 200 mm wide (maximum) for exterior walls and 1000mm x 250mm x 150mm for interior walls. The blocks are manufactured with a mixture of wood chips and ordinary cement. The system uses ordinary foundations and the surface beds immediately below all walls are provided with a damp proofing course in a conventional manner. The blocks are laid in stretcher bond, four courses at a time, and filled with 15 MPa concrete. Precast or in-situ lintels are used. In case of in-situ then reinforcing steel bars are placed into the block rebates. The walls are then plastered and painted.	1. Mike Nkosi, Cell 079 110 8426 or 083 289 7334 (Paulina Samson is owner of house on erf 11534 in Wellington, but do not have contacts). There are many IBTs in Wellington and we need to ask as many owners there what the maintenance costs are on average annually for IBT house and for what. Will email a map of the site and system names)	1. Name of project: ABSA International Innovative Housing Competition Type of building: Social Housing Physical address: Erf: 2220, Stand no: 11 534, between May Avenue (area entrance) and Sand Street, Mbekeweni, Wellington, Noodkamp, WESTERN CAPE No. of buildings: 1 Size of buildings: 60m² Two labs at Coopsizwe High, Edendale, Pietermaritzburg, KZN	Not applicable	Not applicable	Manufacturing: None yet, Waiting for market interest Address: Products manufactured: Blocks for demo structures imported from Czech Republic, but if viable market interest exists a manufacturing plant would be set up.			
6	Walling and Building System	National & Overseas Factory Built Buildings	National & Overseas Modular Construction (Pty) Ltd	Mr. Rademeyer Ferreira	Landline: 051 4342371 Cell: 083 3058897	Rademeyer Ferreira rademeyerferreira@yahoo.com	Type of approval: Agrément Certificate Date of approval: 1984, Amended in 1989 and reassessment in 2000 Certificate no.: 1989/191 Status: Active 2016	Buildings consist of a modular loadbearing steel framework, erected on a conventional strip foundation and the base rail is placed on a damp-proof course to form a steel surround into which the concrete slab is cast. External walls are clad externally with Nutec fibre-cement board and internally with Fire-stop gypsum plasterboard to form hollow walls. 50mm Aerocote is placed in the hollow walls for insulation. Internal walls are clad with gypsum plasterboard. Walls are painted with suitable undercoat and topcoat using Dulux paints. Services, ceilings and roof coverings are conventional. A professional engineer designs the foundations and surface beds.	1. N.G.Tsotetsi, Cell 058 713 6820 or 084 757 3293 2. Mr.M.Mohale, Cell 058 789 0024 or 083 245 4829 3. Mrs.M.Letsosa, Cell 058 716 2026 or 072 9529118 4. Mrs.L.Modise, Cell 058 789 1757 or 073 839 7998 5. Mrs.L.M.Matsala, Cell 058 714 1000/17 or 073 837 3579	5 projects inspected	1. Mr Grobbelaar- 082 575 4034 Mr N Swaneppol- 083 645 7674	2	1. Name of project: Aldershot Trust Type of Building: House Physical address: Hages Dam District, Bloemfontein, Extension 1, K0964 No. of units: 1 Size of buildings: 229m² 2. Name of project: National Department Of Health Type of Building: Clinic Physical address: Parkdene, George, Western Cape. No. of units: 2 Size of buildings: 1 x 6 Room	Manufacturing: Local plant Address: 236 Church street, Hamilton, Bloemfontein, 9301 Products manufactured: Structural steel, window and door frames. Wall panels manufactured locally.		
7	Complete Prefabricated Building System	RIC Prefabricated Building System	Rodger Ian Carter Technical Services cc	Rodger Carter	Landline: 021 401 8856 Cell: 083 327 7338	rodger@rics.co.za	Type of approval: Agrément Certificate Date of approval: July 2014 Certificate no.: 2014/458 Status: Not Active	The floor structure consists of Hot Dip Galvanized steel chassis on adjustable feet on concrete slabs. Semi-flexible vinyl floor tiles to SANS 581 on 21.0mm waterproof Shutter Ply Floor Boards (Treated with insecticide and fungicide). The wall panels are 40mm or 60mm Chromadek EPS panel Tung & Groove system with 0.5mm ribbed Chromadek exterior skin and 0.5mm plain Chromadek interior skin; colour - frost white. The roof panels comprise of 0.53mm galvanised IFR roof sheet exterior skin, 50mm EPS core insulation, 0.5mm Chromadek internal skin. Minimum floor to ceiling height: 2500mm. Aluminium top-hung windows are used fitted with 6.38mm safety glass. Burglar Bars are fixed to all window openings. The internal and external doors are provided with weather bar on the external face of door. All work to SABS standards and conform to National Building Regulations and Local Authority by-laws.	Hermann Lohann, Cell 021 401 8856 or 079 517 1825	2. Name of project: Sonieke High School - Type of building: Classroom Physical Address: Kerk Street, Kulls River, Cape Town No. of Building: 10 Classroom Size of Building: Various (Only 1 building inspected)	Not applicable	Not applicable	Manufacturing: Local Plant Address: South Arm Road, Duncan Dock, D Berth, Cape Town Harbour Products manufactured: Steel Floor Structure, Wall Panels, Roof Panels, Aluminium Windows and Doors, Security Gates and Stone Guards.			

8	Walling and Building System	Legna Solidwall Building System	Legna Creative Enterprises cc	Reggie Mazubane	Landline: 031 653 1371 Cell: 082 302 8929	reggie@legnacreative.co.za	Type of approval: Agrément Date of approval: 2 August 2014 Certificate no.: 2014/456 Status: Active 2016	The system is a lightweight steel construction method that has been improved. Instead of fibre cement boards on both internal and external walls, the Legna Solidwall Building System uses a 10mm Magnesium board on the inside and the joints are skimmed. Tylon Key-it is applied to the inside of the board for the concrete to adhere to it. The 90mm C section is then hand packed with a 20MPa concrete mix which is 70% river sand and 30% plaster sand. The plaster consist of Proley Perite Thermal plaster and cement mixed to the manufacturers specifications to give a 14 MPA strength. This also provides the insulation properties required. The walls are then plaster primed and given two coats of high grade paint finish.	Reggie Mazubane, Cell 082 302 8929	2. Name of project: Ethekwini Demo Unit Type of building: house Physical address: KwaNdegezi, Durban No. of buildings: 1 Size of buildings: 40m² (Only 1 building inspected)	Not applicable	Not applicable	Manufacturing: Local plant Address: Unit 106, Ensor Industrial Park, Durban, 4051 Products manufactured: Wall panels manufactured locally		
9	Ventilated Raft Foundation	Modulo	Geoplast South Africa Pty Ltd	Attilio Angelucci/Andrea Martini	Landline: 021 556 8488 Cell: 082 304 4444	attilio@geoplast.co.za/info@geop	Type of approval: Agrément Certificate number: 2015/485 Date of approval: September 2015 Status: Active 2016	MODULO is a disposable formwork for the construction of ventilated crawl spaces which physically separate the building from the ground. When properly ventilated, crawl spaces allow the elimination of rising damp and Radon Gas. Radon Gas is a radioactive gas and it is the second cause of lung cancer after cigarettes smoke. The solution is a ventilated foundation that permits the natural flow of Radon Gas outside the building without accumulating inside the rooms.	1. Attilio Angelucci, Cell 082 304 4444 2. Adriano Angelucci, Cell 082 7237186	1. Name of project: Cobute Warehouse Type of building: Industrial Physical address: Potsdam Road, Cape Town No. of buildings: 1 Size of buildings: 1200m² 2. Name of project: Type of building: Affordable Housing Physical address: Unit 65, Burger Street, Pretoria North No. of buildings: 285 Size of buildings: 20000 m² 3. Name of project: Type of building: Low-cost housing Physical address: Arcadia North, Uitenhage Road, PE No. of buildings: 350 Size of buildings: 42m² for a total of 14700	Attilio Angelucci 082 304 4444	Only Crawford project inspected	Manufacturing: Imported Address: Potsdam Road, Potsdam, Cape Town (Products manufactured: imported)		
10	Walling and building system	ITAS Modular Building System	Insulation Thermal Acoustic-(ITAS) Security Co. (Pty) Ltd	Johan Luyt	Landline: 011 967-1327 Cell: 083-326-2293	johanl@itasecurity.co.za	Type of approval: Agrément Certificate number: 2009/358 Date of approval: 27 May 2009	The ITAS Modular Building System was designed to provide a cost effective secure, demountable Post Office, Banks etc. building that can be transported with standard trucks which can even negotiate highways and rural roads at all hours and times. The bulk of the heavy materials for the foundation and floor can mostly be locally sourced even in rural areas. The Building system with limited preventative maintenance and care has an effective lifespan of at least 10 years. The internal furniture form part of the building ensuring much more floor space saving and enables the structure to be much lighter with the required structure integrity.	1. Koos Swart, Cell: 082 550 8717 (Called Koos 5 June 2018 and he is willing to assist on where to find this Post Office)	1. Name of project: Marobogo Post Office building, Secure Demountable Post Office, Tweefontein X/E one building Type of building: Demountable Post office Physical address: Stand 1, Ikwazi Enterprise, Tweefontein, MPUMALANGA, (60km van Pretoria) No. of buildings: 1 Size of buildings:	Not applicable	Not applicable	Manufacturing: Local plant address: Plot 245, 3rd Avenue BREDELL, 1619		
11		khaya Futurehouse Systems	khaya Futurehouse Systems Manufacturing (Pty) Ltd	Claudio Rossi	Cell: 076 173 4804	claudio@futurehouse.co.za	Type of Approval: Agrément Certificate Number: Certificate 2007/331 Date Of Approval: 2008/347 for double storey Status: Active 2016	The khaya Futurehouse System (FHS) is a panelised, quick to build, lightweight and thermally insulating walling system. It offers superior structural integrity to traditional methods of construction while addressing energy efficiency.	1. Jacque Scherman, Cell 082 770 3027 or jacque@futurehouse.co.za 2. Roscoe Hall, Cell 082 773 4133 or roscoe@futurehouse.co.za	2. Name of project: Parliamentary Housing Project Type of building: Housing renovation/rebuilding Physical address: Unit D29, Townsend Street, Acacia Park, Goodwood, Cape Town 7460 No. of buildings: 1 house Size of buildings: 100 m² 3. Name of project: Wildtuin Park Housing Type of building: Affordable Physical address: Wildtuin Park Estate, Robert Bloom Dr, Waterval 174 IQ, Krugersdorp, 1739 No. of Buildings: 2 completed so far Size of buildings: 120m² 4. Name of project: Klarinet Ridge Type of building: Affordable housing Physical address: Erf 3499, Flamingo Drive, Klarinet X6, Emalahleni No. of houses: 1 Size of house: 65 m² 5. Project Name: Sable Hills House Type of building: Three storey house Physical address: Sable Hills Estate, 202 Kameelfontein road, Kameelfontein, Pretoria, 1001 Size of buildings: 800 m² (Only one house at Eric Mollobi Inspected)	Jacque Scherman, Cell 082 770 3027 or jacque@futurehouse.co.za Roscoe Hall, Cell 082 773 4133 or roscoe@futurehouse.co.za	1. Name of project: Apartment renovations and subdivisions for multiple apartments for students Type of building: Apartments Physical address: Plein street and Smit street Johannesburg No. of buildings: 2 Size of project: Apartment renovations and subdivisions for multiple apartments for students Type of building: Apartments Physical address: Plein street and Smit Street, Johannesburg No. of buildings: 3 Name of project: Amor ministeries Type of building: Affordable housing Physical address: Delmas No. of buildings: 10 Size of buildings:	Manufacturing: Local plant Address: khaya Futurehouse Systems, 14 Marconi Nook, Hennoppark ext 15, Centurion, Gauteng, 0157		
12	Walling and Building system	Exelis Development Building System	Exelis Development (Pty) Ltd	Deon Herbst	Cell: 082 447 3289	deon@exelis.co.za	Type of approval: Agrément Certificate number: 2013/436 Date of approval: May 2013	This system consists of a SIPs panel comprising of two 12mm magnesium oxide boards with its core of 16mm polystyrene. The main structure to which these panels are fixed is a timber frame. The roof is a conventional structure of which the magnesium oxide boards serve as the roof cover. A conventional foundation is designed for the system for specific ground conditions of which the floor finish is also the magnesium oxide board	1. Deon Herbst, Cell 082 447 3289 (Called Deon and he will send address of house addition completed using the system. Need to call him for access)	1. Name of project: Low Cost Houses Type of building: 1/2lever Building Project Physical address: No. of buildings: 30 Size of buildings:	Deon Herbst - 082 447 3289	Not applicable	Manufacturing: Local plant Address: Plot 35B, Garsfontein Rd, Tiegerepoort Pretoria		
13	Walling and Building system	Polystructures	Polyform International	Wolf Binder	Landline: 033 342 2909 Cell: 078 457 7002 or 074 136 7096	wolf.binder@polyform.co.za	Type of approval: Agrément Certificate number: 2015/488 Date of approval: 5 November 2016	The Polystructure homes are patented using a combination of reinforced concrete and polystyrene panels which are easily manufactured and erected on site. Fully insulated, water and wind tight, the Polystructure is ideal for all low cost housing providing job opportunities and training to the communities. The Polystructures are also a proudly South African product and all materials used is locally manufactured. This system provides single or double storey options of any style.	1. Wolf Binder PrEng, Cell 078 457 7002 2. Denise Govender PA, Cell 079 307 4819 3. Kavilan Sigamoney, Cell 084 500 0199 (Jhb) (Inspector must first call Wolf for projects in Pietermaritzburg or Kavilan for projects in Jhb)	1. Name of project: Old Polyform Mobile Offices Type of building: Mobile Polystructures Physical address: 101 New England Rd, Pietermaritzburg, KZN No. of buildings: 5 units of which 3 are semi-detached Size of buildings: 50 m² 2. Name of project: New Polyform Mobile Offices Type of building: Mobile Polystructures Physical address: 5 Carnought Road, Scottsville, Pietermaritzburg, KZN No. of buildings: 50 m² 3. Name of project: Double-storey house Type of building: Low-cost house Physical address: Towards "Table Mountain", Pietermaritzburg, KZN No. of buildings: 1 Size of buildings: 50 m²	Wolf Binder cell 078 4577002	1. Name of project: Villa van Rensburg Type of building: Private house Physical address: 27 Ashley Road, Pietermaritzburg. No. of buildings: 1 Size of project: SCA Project Type of building: 3-storey low-cost housing Physical address: No. of buildings: 3. Name of project: Pongola Housing Type of building: Low-cost house Physical address: No. of buildings: Size of buildings:	Manufacturing: Address:		
14	Walling and Building System	Compressed Earth Block Building System	Use-it	Chris Whyte (CEO) Didier d'Hotman (PM)	Landline: 031 765 2349 Cell: 082 415 8138 or 072 292 0240	ChrisWhyte@use-it.co.za did	Type of approval: Agrément Date of approval: July 2011 Certificate no.: 2011/397 Status: Active 2016	The Compressed Earth Block Building System follow the conventional building methodology as blocks and bricks. The blocks are manufactured from clay bearing soil, compressed at high pressure using a hydraulic equipment and stabilised with cement. The blocks are bonded using a slurry mix instead of the conventional mortar mix. The slurry consists of refined soil, water and cement. The walls can be plastered and painted or protected with a recommended breathable coating system. The blocks are manufactured in the following sizes 356 x 256 x 87mm, 356 x 180 x 87mm and 356 x 140 x 87mm.	1. Chris Whyte, 031 765 2349 or 082 415 8138 (Called them: At Marianhill house there is always someone. At Utuzuma E, past Bride City no person will take a chance should you just go and hope someone is there)	1. Name of project: Swallows Nest Type of building: Demo low-income housing Physical address: 110 Stockville Road, Marianhill, Giba Group, Marianhill, KZN No. of buildings: 1 Size of buildings: 52m² 2. Name of project: Ethekwini Alternative Housing Tender Type of building: Low income housing Physical address: Utuzuma Unit E, KZN GPS: S29° 43,556' E030° 55,393' No. of buildings: 1 Size of buildings: 42m²	1. Chris Whyte, 031 765 2349 or 082 415 8138	Name of project: Ethekwini Alternative Housing Project Type: Low income Housing Location: Ethekwini (Please provide street address or gps) No. of buildings: Not finalised Size of buildings: 42m2 and 52m2	Manufacturing: Local plant Address: 110 Stockville Road, Giba Industrial, KZN		

15	Walling and building system	Sanjo Fabtech Sterling (Pty) Ltd	Sanjo Fabtech Sterling	Jonathan Peel	Landline: 086 11 72656 Cell: 071 868 7925	jonathan@sanjo.co.za	Type of approval: Agrément Certificate number: 2014/463 Date of approval: 23 October 2014	The Sanjo Fabtech Sterling building system is for single and multi-storey structures for residential, commercial, schools and clinics. It is a permanent formwork system, where in two fibre-cement boards (FCB) of 6mm thickness are used. It uses HMI (High Impact Molded Inserts) bonded between two sheets of FCB in-situ and erected to produce a straight-to-finish wall. Filling the entire structure with concrete then creates a monolithic structure. Additional load capacity can be obtained by providing extra reinforcing bars and/or increasing the grade of the concrete. From structural concrete walls to thermally insulated walls especially designed for hot and cold climates, this patented technology can meet every need.	Jonathan Peel, Cell 0718687925 (Can call Jonathan for House in Freestate and showhouse. Call Mrs Tyola for house in Tembisa (NHBC project) at 078172 9020 or 083 479 0036)	1. Name of project: 40 m² unit Type of building: RDP housing Physical address: Turnhole Township, Parys, FREESTATE No. of buildings: 1 Size of buildings: 40 m² 2. Name of project: Show house Type of building: Sample Physical address: 5 Commerce Place, Eastgate ext 12, Sandton, GAUTENG No. of buildings: 1 Size of buildings: 50 m² 3. Name of project: House Tyola Type of building: Affordable House Physical address: 416 Madagascar Crescent Tembisa, Esiphethweni, GAUTENG No. of buildings: 1 Size of buildings: 50 m²	Jonathan Peel, Cell 071 868 7925	Projects ongoing internationally. We have undertaken a JV in conjunction with the NHBC to build a house in Tembisa 1. Name of project: House Tyola Type of building: Affordable house Physical address: 416 Madagascar Crescent, Esiphethweni, Tembisa No. of buildings: 1 Size of buildings: 45m²	Manufacturing: Local plant Address: 5 Commerce Place, Eastgate ext 12, Sandton	
15	Walling and Building System	Besta Board Building System	Fast Track Contracting (Pty) Ltd	Collin Wee	Landline Phone: +27 31 556 2032 Cellphone: +27 81 862 8509	collin@wellnoble.com	Type of approval: Agrément Certificate number: 2015/482	Besta Board Building System is a single-storey structure that utilizes factory produced Fibrous Magnesium Oxide boards and a light-weight steel superstructure that is sub-supported with a hot-dipped galvanised light-gauge steel frame designed and erected in accordance with SANS 517. The steel is hot-rolled and complies with the requirements of SANS 3575/ISO 3575 or SANS 4998/ISO 4998, and has a coating equivalent in corrosion resistance and robustness to galvanizing (Z275). The Magnesium Oxide boards are reinforced with fibre glass mesh and are 2400 mm x 1200 mm x 10/12 mm in size. The light-weight steel superstructure has minimum yield strength of 300 MPa. The external walls are made up of a light-gauge steel frame clad on either side with 12 mm thick MgO boards and the cavity is filled with 100 mm thick (24 kg/m³) mineral fibre insulation. Internal walls are made up of a light-gauge steel frame clad on either side with 10 mm thick Magnesium Oxide boards and the cavity is filled with 60 mm thick (24 kg/m³) mineral fibre insulation. The steel frame consists of studs spaced at 400 mm centres with bracings.	Collin Wee, Cell 081 862 8509 (Cannot get hold of owner. They could be from overseas and not easy to get hold of)	Name of the Project: Nkandla Project Address of the Project: The T junction road dividing Nkandla and Esetwe, to turn right on Road P15, KZN Type of the building: Single storey No. of buildings: 1 House Size of the buildings: 50 m² Coordinates: 28°49'50.7"S 31°08'04.8"E	Collin Wee, Cell 081 862 8509	Name of project: Bethal Development Project, Bethal	Imported	
16	Walling and Building System	Abacus EzeSpace Building System	Waco Africa (Pty) Ltd via Abacus Space Solutions	KP Dippenaar	Landline: 011 397 8150 Cell: 079 500 1117	kp.dippenaar@abacuspace.co.za	Type of approval: Agrément Certificate Date of approval: August 2015 Certificate no.: 2015/490	The building has a steel exo skeleton, Ply floor covered with vinyl. The walls consist of 60mm polystyrene Chromadeck sandwich panels clad with 12mm MGO board on the inside. The internal walls is covered with 12mm MGO boards on both sides. The MGO wall boards are finished with Rhino Glide and paint. The ceiling is a 85 mm Chromadeck sandwich panel. The roof is light frame steel trusses with Chromadeck roof sheets	1. Jan du Preez, Tel (041)453 8996, Cell 082 943 3279 (Called Jan and said access is easy, there is someone and is fine to inspect)	1. Name of project: Sanitech office Type of building: 12m x 12m Office Physical address: Sanitech Coega Business Park, Port Elizabeth, EASTERN CAPE No. of buildings: 1 Size of buildings: 144m²	Not applicable	Not applicable	Manufacturing: Assembly plant Address: 1 Fonda Place Jet Park Boksburg Products manufactured: Wall panels manufactured locally by Isowall in Pretoria. Steel Exco Skeleton manufactured by Waco in Elandsfontein	
17	Walling and Building System	MDA Housing System	Mankhoe Dyson and Associates (PTY) Ltd	Tsietse Mankhoe	Cell: 082 669 6288	mdasa.ecohousin@gmail.com	Type of approval: Agrément Certificate Certificate no.: 1997/49; MDA Housing System, NHBC 1-39000251	The building system comprises fibre-reinforced 35MPa precast concrete wall panels typically 2500 high x 450 wide x 100 thick. The panels have a 30mm outer face, 50mm of insulation and 20mm inner face, with an outer rim and 2 intermediate beams of solid concrete 100mm x 50mm. Foundations can be surface beds with thickened edge beams. Panels are joined together with specially designed and patented HDPE sockets and ties, made in South Africa. A continuous mild steel channel wallplate clips over the top of the panels and is bolted to the panels. Internal walls can be built with further panels, brickwork or partition construction. Roof structures are anchored with steel angle cleats welded to the capping channel.	1. Tsietse Mankhoe, Cell 082 669 6288 2. Michael Dyson, Cell 084 409 9976 (Called Michael and he was involved in the Diepsloot project and Plettenberg project. He will send email with more info. Tsietse will assist with other projects at Union Buildings, Parys)	1. Name of project: SAPS Guard house Type of building: Union Buildings, Pretoria, GAUTENG (issetse) No. of buildings: 1 Size of buildings: 1 2. Name of project: Low-income houses Type of building: Low-income houses Physical address: Parys, Ivory Park, FREESTATE No. of buildings: 40 houses Size of buildings: 40 m² 3. Name of project: Houses Type of building: Schools Physical address: Plettenberg Bay, EASTERN CAPE No. of buildings: 2 Schools Size of buildings: School Type of building: Classrooms Physical address: Diepsloot, GAUTENG No. of buildings: 1 Size of buildings: 40m² house	Tsietse Mankhoe, Cell 082 669 6288	1. Name of project: Affordable house Type of building: Residential Physical address: Calp Mega City in Merafong City No. of buildings: 1 Size of buildings: 50m² Showhouse 2. Name of project: Low-income house Type of building: Residential Physical address: Savannah City No. of buildings: 1 Size of buildings: 40m² house	Manufacturing: Local plant Address: Masehaba street, Kagiso, Mogale City	
18	All types of residential and commercial buildings	Sany Building System	Sany Construction Industry Development Africa (Pty) Ltd	Simon Zhu	Cell: 084 574 8762	simon.zhu@sanygroup.com	Type of approval: Agrément Certificate Certificate no.: 2017/538 Date of approval: August 2015, Status: Active	SANY Building System currently is referred to as SANY precast concrete technology. It would require establishing a local factory close to the project site to manufacture concrete slabs which are then transported to site and assembled. The factory can create 100+ permanent jobs and all manufacturing materials are sourced from local products. Sany's PC system is a greener technology through its 50% water saving in the building process while delivery speed could also be improved by up to 80%. Sany Building System is capable of constructing one storey building right up to 100m high buildings.	1. Frank Wang, Cell 082 663 7680 (Called Frank. Show house is accessible. Inspector needs to contact Frank and let him know as to how the keys, he also requires an email to confirm who the inspector is and his cell, what our objective is at frankwang2000@gmail.com)	1. Name of project: Carnival Green Type of building: House Physical address: Owaha St, Salfra, Bakingsburg, 1459, GAUTENG No. of buildings: 1 Size of buildings: 55 m²	Not applicable	Not applicable	Will be locally manufactured once established	
19	Walling and Building System	Greenlite Concrete	Greenlite Concrete	Hilton Cowie	Landline: 021 704 0707 Cell: 060 7969272	hilton@greenliteconcrete.co.za	Type of approval: NHBCRC approvational design Date of approval: 2 February 2016	Greenlite Concrete Jumbo Blocks are pre-grooved and are supplied with keys to interlock the blocks together in position and to interlock the next row above. The blocks are laid in conventional stretcher bond pattern whereby the first course is laid on 50% porcelain tile adhesive and conventional mortar and the rest of the courses using the tile adhesive as mortar. Once the blocks are laid, the mortar joint must always be between 5 mm to 8 mm thick. Before plastering the walls, a standard slush mixture of cement, bonding agent, sand and water must be applied on the Greenlite Jumbo Block walls, which improves plaster adhesion. Then a final layer of a 12 mm to 15 mm thick plaster must be applied on both sides of the walls.	2. Nicol du Plessis, Cell 0837880449 (Not answering) 3. Yvan Torannini (Licensee, Cell 082 2925267 (Call Lizelle his assistant at Tel 021 5650104) - House in Constantia will be completed end of June 2018) (Called Yvan and he will assist inspector for access, but call Lizelle first. The house in Constantia will be completed end of June 2018)	1. Name of project: House Valckenier Type of building: Residential Physical address: 22 Charles Hoffe Avenue, Melkbosstrand, CAPE TOWN No. of buildings: 1 Size of buildings: 400m² 2. Name of project: Nicol Du Plessis House Type of building: Residential house Physical address: Security estate, Olyfboom Hamlet, no.4. Paarl, CAPE TOWN No. of buildings: 1 Size of buildings: 400m² 3. Name of project: House Type of building: Residential house Physical address: 14 Avery Avenue, Constantia, CAPE TOWN No. of buildings: 1 Size of buildings: 1	Not applicable	1. Name of project: House Potts Type of building: Residential Physical address: Noordhoek No. of buildings: 2 Size of buildings: 2. Etc.	Manufacturing: Local plant Address: 6 Menue Street, Ottery, Cape Town. Products manufactured: Lightweight recycled polystyrene concrete blocks	
20	Walling and Building System	Afripanel Modular Building system	Aboard Group via Afripanel	Malcolm McGregor	Cell: 0814015088	malcolm@afripannels.co.za	Type of Approval: Agrément Certificate No.: 2016/511	Afripanel Modular Building System is a single-storey structure that utilises factory produced wall and roof panels. The design and approval of the foundation are always the responsibility of a registered professional competent engineer. The external wall panels are typically 2 435 mm x 1 185 mm x 75 mm thick with tongue and groove edges clad with 0.5 mm galvanised chromadek sheeting encapsulating expanded polystyrene (EPS) with a density of 16 kg/m³ and a 12.5 mm inner skin of magnesium oxide board (MgO). Internal walls are made of the same material as the external walls but clad with MgO on both sides. Roof panels are made of 75 mm thick expanded polystyrene sandwiched between 0.5 mm chromadek IFR roof sheets. The panels are delivered on site with factory-fitted window and door frames (steel, aluminium or Agrément approved) and are purposely made to suite the design of the building system. Plumbing and electrical conduits can be pre-fixed or surface mounted onto the composite panels.	1. Tel: (012) 710 1810 or Cell: 083 593 1571 2. Tel: 769 693 153	1. Name of project: Mofibosane primary Type of building: Gap housing Physical address: Molefe Makinta, Strikwater, GPS coordinates: 25.3911°, 28.1779° No. of buildings: 2 Size of buildings: 50m² 2. Name of project: Gauteng Department of Education, Sekarapanning Primary School Type of Building: Grade R classrooms x 2 and 1 x 3 classroom Physical address: 155 Lucas Mangope Rd, Temba Rural, Tembisa, 0407 No. of buildings: 3 Size of buildings: 1 @ 222m²; 2 @ 148m²	Not applicable	Not applicable	Manufacturing: Local plant Address: 349 Dacosta Drive Bredell AH, Johannesburg Products manufactured: Complete building system	

21	Walling and Building System	Bravomax Building Technology	Bravomax (Pty) Ltd	Donald Ramoshaba	Landline: 012 Cell: 082 959 2400	donald.rams@gmail.com	Type of approval: Agreement Certificate number: 2016/506 Date of approval: 5 January 2016 Status:	The exterior and interior wall panels are 90mm thick comprising of Vermiculite lightweight foam concrete with steel frame surrounds. The panels are fixed to a light weight galvanised steel bottom track anchored to raft foundations. A galvanised steel ring beam is fixed to the top of the wall panels. Roofs are hipped shaped constructed from galvanised steel or timber trusses to SANS 517 and 10162.	1. Lupisi Clinic - Department of Public Works - Mpumalanga	1. Name of project: Lupisi Clinic Type of building: Clinic housing Physical address: Lupisi Village, Piensaar Nelspruit, Mpumalanga No. of buildings: 1 Size of buildings: 200 m ² 2. Name of project: Nuzuma RDP show house Type of building: RDP Physical address: Nuzuma Ward 38 - KZN No. of buildings: 1 Size of buildings: 40 m ² 3. Name of project: Tim Tomes Type of building: Residential Physical address: 27 Pietersburg Str, Polokwane No. of buildings: 1 Size of buildings: 40 m ²	Nuzuma RDP - Nombi Ndaba	1. Name of project: Nuzuma IBT Housing Type of building: RDP Physical address: Nuzuma Ward 38 and 45 No. of buildings: 150 Size of buildings: 40 sqm	Manufacturing: Local plant Address: Factory Unit 24/1, Uridum Street, Ekaindustria 1, Bronkorspruit (Products manufactured: All Local)		
22	Walling and Building System	GHS ClipPlus® Wall Technology	Trusted Builders Network	Nicholas Mulligan	Landline: 0715052560 Cell: nicholasm@tbn-housing.com	nicholasm@tbn-housing.com	Type of approval: Agreement South Africa innovative construction product assessments Date of approval: November 2017 Certificate no.: 2017/553	The GHS Clip Wall Technology Building System are constructed of interlocking UV-resistant Polyvinyl-chloride (PVC) modules incorporating vertical and horizontal cavities in which reinforcement steel, as specified by the engineer, are installed and filled with concrete of 15 to 20 Mpa. The PVC modules provide permanent shuttering. The modules are 80mm wide for both external and internal walls. There are nine different profile types for walls, each with a specific function. The basic profile is the CP80 W300, which is connected to the CP80 H100 profile in order to form a wall. Walls are anchored to the concrete floor slab using vertical steel reinforcement starter bars spaced at 800mm centres. The starter bars are 650 long, with 150mm embedded into the foundation using epoxy adhesive anchors. Reinforcement is also placed at window and door openings, and at wall junctions. Occupancy dividing walls are 160mm thick comprising two 80mm thick walls.	1. Nicholas Mulligan 071 505 2560	1. Name of project: Nelson Mandela day Type of building: Gap housing Physical address: Institute Status Acres Combined school, Cnr Rail way street and Quarry road, Germiston. No. of buildings: 1 Size of buildings: 50m ²	Not applicable	Not applicable	Manufacturing: In the process of local production. Factory will commence March 2019 Address: Jet park - Isando Products manufactured: Wall panels manufactured		
23	Walling and Building System	Magstruct	PLI Construction and Civil Works (PTY) LTD	Chris van Jaarsveld	Landline: 011 880 0408 Cell: 082 413 1706	Chris.vanjaarsveld@plicc.co.za	Type of approval: Agreement Certificate number: 2016/5364 Date of approval: December 2016	The Magstruct home is based on a magnesium oxide sandwich panel which is as the strongest natural form in nature. Fully insulated, this system is fire, impact, water and wind tight. This Magstruct system is ideal for all low cost housing opportunities. It uses high quality A1 fire rated insulation to ensure residents are kept cool in the summer months and warm in the winter months. It can also be built within 3 days - fully installed ensuring we meet the demand of our clients! The Magstruct Panel system is international recognised and used and approved in Australia and China. This system can be constructed in multi story structures from domestic, commercial and general building.	1. Jurie de Kock, Cell 082 6780500 2. Marius Venter, Cell 083 343 3401	1. Name of project: Bodim Street Type of building: Offices Physical address: 39 Bodim Street, Randhart, Alberton No. of buildings: 1 Size of buildings: 10m ² 2. Name of project: Waterval Office Park Type of building: Site Offices Physical address: Waterval Office Park, Midrand No. of buildings: 3 Size of buildings: 100m ² 3. Name of project: Type of building: Residential Physical address: Bedfordview No. of buildings: 1 Size of buildings: 200m ²	Marius Venter 0833433401	1 None at present.	Imported from China		
24	Raft Foundation System	Modulo	Geoplast South Africa (Pty) Ltd	Attilio Angelucci	Landline: +27 21 556 8488 Cell: +27 82 304 4445	attilio@geoplast.co.za; office@geoplast.co.za	Type of approval: Agreement Certificate number: 2015/485 Date of approval: August 2015	The Geoplast Modulo Foundation System is a reinforced concrete floor slab with permanent formwork (Modulo). The slab has edge and centre beams under load bearing walls to support loads and increase its stiffness as per project and site requirements. The permanent formwork creates a system of pillars and arches which support the ground floor slab. The system is designed such that the slab is supported by small columns formed at the formwork legs from the ground which creates voids beneath the slab. The design, including the thickness of concrete topping, beams and reinforcement sizes are always the responsibility of an approved competent person. The foundations are ventilated by creating openings of between 80 to 120 mm Ø using PVC or metallic pipes. The permanent formwork is made from recycled polypropylene (PP) and available in a range of heights from 30mm to 700mm	1. Jacques Ham, Cell 083 417 4197 2. Thandi Beja, Cell: 082 650 8185 3. Richard Giddy, Cell: 082 461 1349 4. Geri Strydom, Cell: 082 444 3005 5. Sarel Krizinger, Cell: 082 412 2575 6. Annique Buys, Cell: 078 295 8943 7. Frank George, Cell: Louis Kotze, Cell: 8. Fanie Joubert, Cell: 082 466 4661 9. Rudolph van Niekerk, Cell: 084 855 2976 10. 13. Rudolph van Niekerk, Cell: 084 855 2977 11. Gerrit Burger, Cell: 082 826 0948 12. Madeleine Willemsse, Cell: 079 852 8572	See full list	See full list	1. Manufacturing: Local plant Address: 23 Wide Road, Rosslyn, Pretoria, 0126. Products manufactured: Wall panels manufactured locally 2. Manufacturing: Imported Address: Grantorto, Italy Products Manufactured: Modulo Units			
25	Walling System	Green Crete Building System	Get Connected Holdings Pty Ltd	Simon Mpengesi	Landline: 082 321 8015 Cell: 082 321 8015	smpengesi@chippaholdings.co.za	Type of approval: Agreement Certificate number: 2015/477 Date of approval: May 2015 Status: Active	Green Crete Building System comprise walls made of prefabricated modules, conventional foundation and roof with insulated ceiling. The conventional concrete rafts with thickened edge beams and are always a responsibility of a registered professional competent engineer. The building modules are 1200 mm x 900 mm x 90 mm light-weight interlocking masonry which are made from a mixture of fly-ash, slag, waste polystyrene, cement and polymer binders and have a density of 375 kg/m ³ . Walls are clad with an alkali resistant glass fibre concrete before application of cement plaster and Gamazine coating. Roof consist of light-gauge galvanised steel channel sections and complies with SANS 517. Roof cladding is light- or heavy-weight and ceilings are 6.4 mm thick gypsum board and they must always be insulated. All other services are conventional	1. Lubabalo Bambeni, Cell 082 071 6835	1. Name of project: Kei-mouth Nyara Hagahaga Housing Project Type of building: RDP House Physical address: Nyara, Kei Mouth No. of buildings: 1 Size of buildings: 40m ² 2. Name of project: -Port St Johns Buthulo village Type of building: 1 Physical address: Buthulo Village No. of buildings: 1 Size of buildings: 40m ² 3. Name of project: B Khayelitsha CPT Type of building: RDP House Physical address: Jengga Street, Khayelitsha, Cape Town No. of buildings: 1 Size of buildings: 40m ²	1. Zwell Mathebula, Cell 073 634 3743	1. Name of project: -Gadu JSS Computer Laboratory Type of building: RDP Housing Physical address: Qadu Village No. of buildings: 1 Size of buildings: 80m ²	Manufacturing: Local plant Address: (Products manufactured: All Local)		
26	Smart House	Fortis Building System	A V Light Steel Pty (Ltd)	Lebogang Zulu	Landline: (018) 294 5650 Cell: 079 808 9981	lebo@avlightsteel.co.za	Type of approval: Agreement Certificate number: 2019/596 Date of approval: 24 July 2019 Status: Active	The walls of the Fortis Building System are constructed of 0.5 mm thick profiled expanded metal sheets. The zig-zag expanded metal is available in standard widths of 430 mm and heights ranging from 2300 mm to 3000 mm. The metal sheets are reinforced with Y10 bars horizontally at a 200mm spacings, the metal sheets are encapsulated with Ref:100 welded reinforcing mesh on both sided. Structural mortar is then gainted both sided of the metal sheets, through the welded reinforced with mesh to form walls. Corners of all openings are further reinforced with mesh cut to fit or with Y-10 steel reinforcing binded diagonally. Walls are fixed to the foundation slab with anchor bolts or concrete nails as specified and approved by competent person.	1. Matthews Mahasele 081 344 2690 2. Sphwe Dlamini 081 474 7307	1. Name of project: - House Paul Somane Type of building: Subsidy housing Physical address: 10112 Sesobe Village No. of buildings: 1 Size of buildings: 50m ²	Ernest Nyathi: 081 718 4839	1. Name of project: - House Tobane Type of building: Smart House Physical address: 1576 Pholoholo Street, Huluhul, Vryburg No. of buildings: 1 Size of buildings: 50m ² 2. Name of project: House Labakeng Type of building: Smart House Physical address: 762 Matlangwang, Steynsrus No. of buildings: 1 Size of buildings: 45m ² 3. Name of project: House Mashini Type of building: Smart House Physical address: 6624 phomolotg Section, Ext 08, Frankfort No. of buildings: 1 Size of buildings: 45 m ²	Manufacturing: Local Manufacturing Facility Address: 6 Grobler Street, Potchindustria, Potchefstroom, 2525		
27	Building and Roofing System	Shouguang Prefabricated Building System	Boshoeshoe Construction	Rose Nthabiseng Ts'ense	Landline: 0792558242 Cell: rose@boshoeshoe.co.za	rose@boshoeshoe.co.za	Type of approval: Agreement Date of approval: 19th August 2019 Certificate no.: 2015/486 Certificate Holder: Shouguang Sunrise Construction Engineering Co., LTD. Licence: Boshoeshoe Construction	The external and internal wall panels are 2800 mm x 600 mm x 90 mm thick with tongue and groove steel edges consisting of 6 mm fibre cement boards on both sides encapsulating foam cement with a density of 517 kg/m ³ . A galvanised square tubing of 30 mm x 30 mm x 2.5 mm is fixed to the surface bed using 10 mm Ø x 100 mm bolts at 600 mm centres. The wall panels are then slot into the square tubing commencing from the corner. Panel to panel connection consist of male/female joints with three hook lockers connected to 60 mm wide hook holes. Once completed an acrylic firestop sealant is applied to all joints.		1. Name of project: Agreement Test House Type of building: to be built later Physical address: Eric Moloka Campus No. of buildings: 1 Size of buildings: 50m ² 2. Name of project: Type of building: Physical address: No. of buildings: Size of buildings:		1. Name of project: None at the moment Type of Building: Physical address: No. of buildings: Size of buildings: 2. Etc.	Manufacturing: China based plant Address: 23 Wide Road, Rosslyn, Pretoria, 0126. Products manufactured: Wall panels.	