



HOUSING

B - Series = Single Storey
BT = Twin Storey



Make Your dreams come True



ETAP HOUSING

INDEX

B - Series

B = single storey

BT = Twin storey

page

1	front page
2	index
3	ETAP intro
4	company overview
5	building details
6	our mission
7	building advantages
8	unwelded structure
9	fiber cement details
10	software
11	start
12	BT132 Two storey Villa 132m2
13	B 147 Single storey Villa 147 m2
14	B 129
15	B 113
16	B109+14
17	B 111+11
18	B 113+8
19	B 104+13
20	B 108+5
21	B 108+2
22	B 94+4
23	B 89+7
24	B 83+10
25	B 86
26	B 70+14
27	B 79+3
28	B 70+11
29	B 70+8
30	B 69+8
31	B 75
32	B 68+4
33	B 73
34	B 61+7
35	B 55+7
36	B 47+6
37	B 42+7
38	B 49
39	B 40+5
40	B 35+5

ETAP HOUSING

**PREFABRICATED
BUILDINGS**

*** The Ultimate Sign for Quality**

*** Since 1970 , we are in building and construction.**

- * The New developed Houses respect the actual environment demand from 2020,
and fullfill all EUpopeen norming concerning insulation,
- * zero environment and power demand
- * zero energy loss



*We developed more than 50 single and double standard villas and houses, who give you an economic advantage , far away from our competitors . (from 28 - 159 m2 living space)
EtapHousing means: LifeLong Quality , Green Investment, Your best choice for living.*

EtapHousing - a Mic Company , Be - 9980 St Laureins Belgium

Be : Tel +32 9 348 48 48 Fax: +32 9 348 95 16 Email : housing@etapyachting.com

NI - Axel :+31,115,788 118 PI - Kolo : +48,918,871 044 Lu : +35,22,7860 237 In -Cherthala/Kerala 91,478 2812528



Since 1970 , a sign for quality in Sailing and Building Construction,

You find our respected customers anywhere in the world ,

or Worldwide Sailing , or Living the Etap-Way .

EtapYachting.com



The worlds only Unsinkable and High Quality Sailing Yachts

A full range from 21 up to 48 foot Sailing Yachts
(7 - 15 m)

Etap - Gtc Containers

*EASY TRANSPORTATION AND
INSTALLATION*

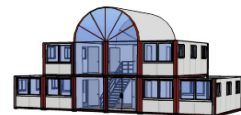


Dubai construction area
From Flat-Pack to full-unlimited container constructions

Office and Housing Containers

* 2,4x6

* 3x6



* All Possible connected constructions

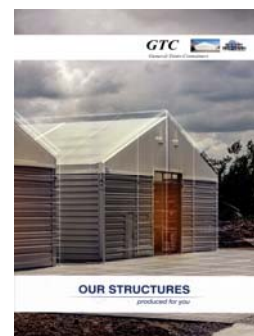
Complete unlimited Offices and
Container Housing

Etap - Gtc Tents and Storage

Constructions and Tents for : * Storage * Production * Tennis * Swimming Pools
* Maneges(Horse) * Garages * Parties * etc



- * 6 - 40 m free span width
- * 2,5 - 6 m side height
- * Unlimited length
- * Siimple pvc versions up to fully insulated



Etap Housing

The new way for Housing and Building Constructions



*Single and Double Storey Housing in unlimited
variants;*

Life Time Construction
Fast ,easy and economic construction
Insulation and aesthetic unmatched



*Etap -Yachting, -Housing , -Gtc , are registered trademarks from Mic
facilities in Belgium - Netherlands - Germany - Poland - India - China*



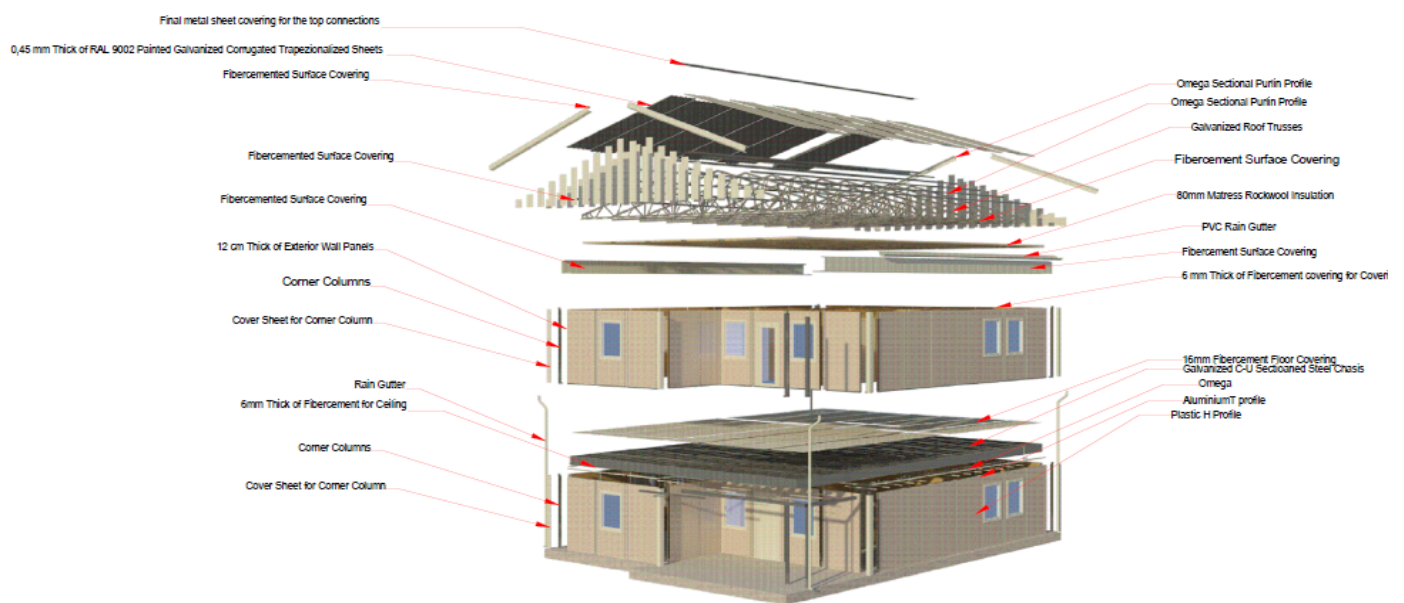
Technically very advanced Life-Time Construction

Fibre Cement Boards, Etex type , available in many patterns

Fully Galvanised base steel construction for fast and lifetime durance.

A wide range of standard houses, to make Your choice more easy.

DOUBLE STOREY BUILDING DETAILS



Advanced Technology for your comfort

Our Commitments ,

Vision

Mission

Aims

Quality Policy

Services

Vision
To change the construction culture (construction system)

Mission
Meet all people' housing requirements by creating reliable, aesthetic, economical, ready and habitable places, offer a life.

Aims
To meet all the customers with our products in maximum level to increase the number of ready-construction showrooms at inboard and abroad for raising the portion of our company in the market, developing new products by using the lastversion and high technology in prefabricated construction sector, supplying high qualified products with our best and fast services to ensure customer pleasure.

Quality Policy
'Prolonged development' and 'customer focused' are our company principles within its aims and strategical policy line.

Services
• Planning and design, • Building and container manufacturing facility, • Loading, • Logistic • Assembly, • Electrical and sanitary installation process inside the building, • Painting facility, • De-mounting and mounting facility, • Post - sale services,

Our Mission



Our Advantages,

The Advantages of EtapHousing - Villas and Houses

Super High Etap Quality - Insulation - Estetique - Life Time - Economic



All our products are manufactured by using unwelded structure technology.



Prefabricated buildings can be assembled and disassembled many times.



Facade covering material of our products is fibercement.



Prefabricated buildings can be manufactured in required dimensions and design as two or three storeys also.



Our products are designed as a result of architectural and statical calculations



Prefabricated buildings can be delivered as electrical, sanitary installation, paint and glazing included or if required without them.



The biggest advantage of buildings is being earthquake resistant and lightweight due to steel construction.



Transportation can be by means of trucks, ship, train or cargo aircrafts.



Pregabicated buildings are manufactured in a very short time and enable to fast assembly.



All materials used have ISO 9001. Raw materials are in the norm of TSE and EN.

For Your security and help ,

Find out Your advantage



A world in transformation ,



Unwelded structure technology

*Your Villa of Dreams, all ready in minimum of time , in most cases 1 week
ask for detailed information , and look our quality*

Our ready constructed buildings that have 60-300 mm wall thickness are designed by taking the climatic data into consideration. Being resistant to earthquake, fast manufacturing, easy assembling, economy and being preferable by customers.



A Mix for world best materials,

Galvanised Steel

Fiber Cement Boards



Extremely Strong and Nature Friendly



Fibercement

Fibercement, a product of Etex Hoboken (Be) , is one of the strongest materials ,

Main advantages:

- * No water absorption
- * Class A anti burning
- * Time resistant

- * a green product
- * anti noise qualities
- * easy handling
- * available in many patterns

Fibercement (Natural Cement Board) technology

The idea of finding solutions for exterior and interior surface coverings of buildings has encouraged mankind to develop different products. Production of asbestos based boards used widely before 1990, was terminated since asbestos was prohibited. Producers searched alternative products. 2 main product groups arised as a result of the attempt one of which is synthetic fiber based cement boards and the other one is fibercement boards. Fibercement products consisting of natural cellulose fiber, cement and ground silica instead of synthetic fiber that has not been determined yet by scientists whether has detrimental effects on people even if it is asbestos free, are preferred especially because of usage as exterior and interior plain facade covering. Synthetic based fiber products are used mainly for pressed roof materials.



Ask our separate Catalogue , with all different Patterns



Wood Pattern Board

Boards with wood appearance can be used in all places desired as they have wood appearance with more tree-like surface. It can be used safely in humid environments as it does not harbor mold. It can be painted in desired colors to bring various aesthetic environments. It is not affected by any acids or alkali (resistant to acid and alkali) and is non-toxic to fish as well.

Surface appearance	Wood Pattern
Board Dimensions	17 1/2 x 1 5/8 in.
Thickness	8 - 32 - 12 mm
Recyclability Class	A1



Natural Stone Pattern Board

Natural Stone Pattern Fiber Cement Boards

These natural stone patterned boards are resistant to fire and insects because of their high resistance value. They are easy to cut and apply as they are lighter compared to alternating stone products. They can be installed in the similar measurements as other stone materials by being ordered in the required dimensions and they can be painted with all kinds of water-based enamel paint.

Surface appearance	Natural Stone Pattern Plate
Board Dimension	1250*2500 mm, 1250*3000 mm
Thickness	30 - 42 mm



Brick Pattern Board

These 113 MAP current boards underwent an online survey when their approximate 15th birthday was reached. They should be strong candidates and not affected from general media and chemical education that is the key materials in their structure and for

Surface Appearance	Dark Pattern
Board Dimensions	1,215×2,590 mm, 1,215×3,000 mm
Thickness	5G 1.2 mm



Stone Masonry Patterned Board

Stone Masonry Patterned Fiber Cement Boards

These are boards produced in full thickness where stone masonry appearance is needed.

Surface appearance	Stone Masonry Pattern
Board Dimensions	1250x2620 mm, 1250x3000 mm
Thickness	10 - 12 mm
Acoustical Class	A1



Patchwork Stone Pattern Board

Patchwork Stone Pattern Fiber Cement Boards

These are boards with a combination of different sized stone-like pieces produced to be applied in the required places where the appearance of a wall clad with stone looks in different sizes is expected. It provides significant saving in material as well as reducing application time, just as all fiber cement products.

Surface appearance	Polymesh Stone Pattern
Board Dimensions	1225x2620 mm, 1250x3000 mm
Thickness	10 - 17 mm



Block Stone Pattern Board

These are boards in 1200x2500x12mm standard dimensions produced on special machinery designed to ensure finished and The standard measurements of these boards produced in arabic and large sizes patterns are (82.5x190-83.5x200) and (191x-61.5x700)

Surface appearance	Black Stone Pattern
Board Dimensions	(62.5±3%) × (6.5±240 mm, (1.01±0.03) × (6.5±240 mm
Thickness	3.2 mm
Flammability Class	B1

Technical Specifications	
Material of Construction	Plastic and stainless 316L & 316Ti, 304, 316, 3040, 3080 mm
Size/Weight	Plastic 40 x 20 mm, 160 g (max) / stainless 300 mm, 1.5 kg
Length / Width / Thickness	Plastic 40 x 4 x 2.5 mm
Thermal Transmittance (in closed window)	Value 0.50 W/m ² K (reference) - Value 0.70 W/m ² K
Thermal Expansion	1.7 mm/m
Temperature of the Tubes	5.0 x 10 ⁻² x (Δ T) mm/m
Range Accuracy	Range 0.1 mm/m
Stability	± 0.004 mm/m
Very-Short Response Time	τ = 10 s
Repeatability	± 0.01 mm/m
Repeatability (Repeatability)	± 0.01 mm/m (unperturbed) / ± 0.01 mm/m (perturbed)
Power Resistance	Precise resistance 100 W (reference) / 120 W (max)
Power Immunity	Immune to noise & voltage up to 250 V (max)
Power Immunity	Immune to 100 kHz (radio) and 100 kHz (radio) (max)
Automatic Control	Yes (no control available) (4.50 mm)
Pressure of the Fluid (Maximum Pressure)	No elements of resistance (maximum) in grams
Use of the Fluid	0.0001 mm/m
Coefficient of Fluid Transmittance	α = 0.20 W/m ² K
Modulus of Elasticity	0.0001 mm/m (unperturbed) / 0.0001 mm/m (perturbed)
Young's Modulus	α = 0.1
Repeatability Rate of Results in Static	0.001 (reference) / atmospheric (reference)
Water Effect	0.001 (reference) / 0.001 (reference)
Thermal Expansion Coefficient	0.001 (reference) / 0.001 (reference)



Our Software for your Comfort and Economy

Architectural design and software technology

Our company uses X-steel, ArchiCAD, StruCAD, AutoCAD, Sap 2000 (v 14) and Revit in order to manufacture high Standart, technological, everlasting and aesthetic products especially these days when software programs are used in many sectors.

Different processes as conceptual and architectural design, presentation, engineering calculations, sections, 3D modelling, photorealistic pictures, animations, nodal point calculations, listing of materials used to manufacture a building, coverting project drawings into numeric datas that computer based production line (CLP) needed, are implemented using high technology.

Xsteel® | ARCHICAD | StruCad® | AutoCAD® | Sap2000® | Revit | CFS | Sta4Cad



Find out in the next pages, what is possible ,



Houses of your DREAMS



For Your reference , pls ask our twin stage villa range if wanted.

ETAP BT-132



We design following Your wish ,



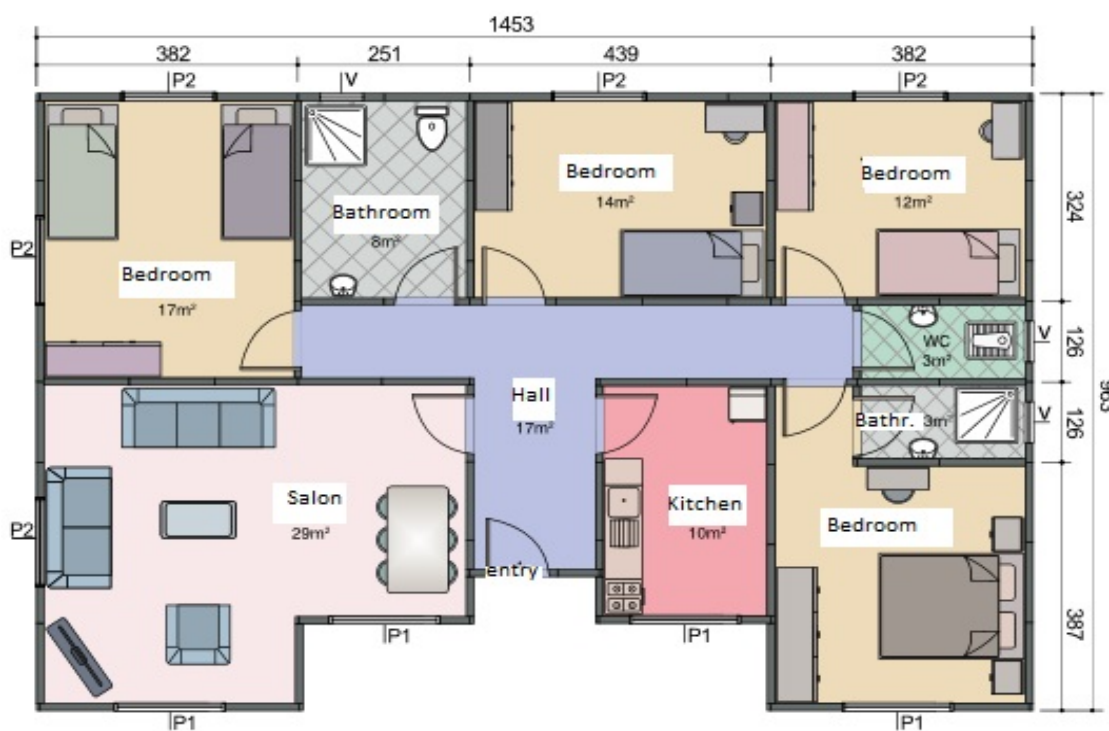
B147+19



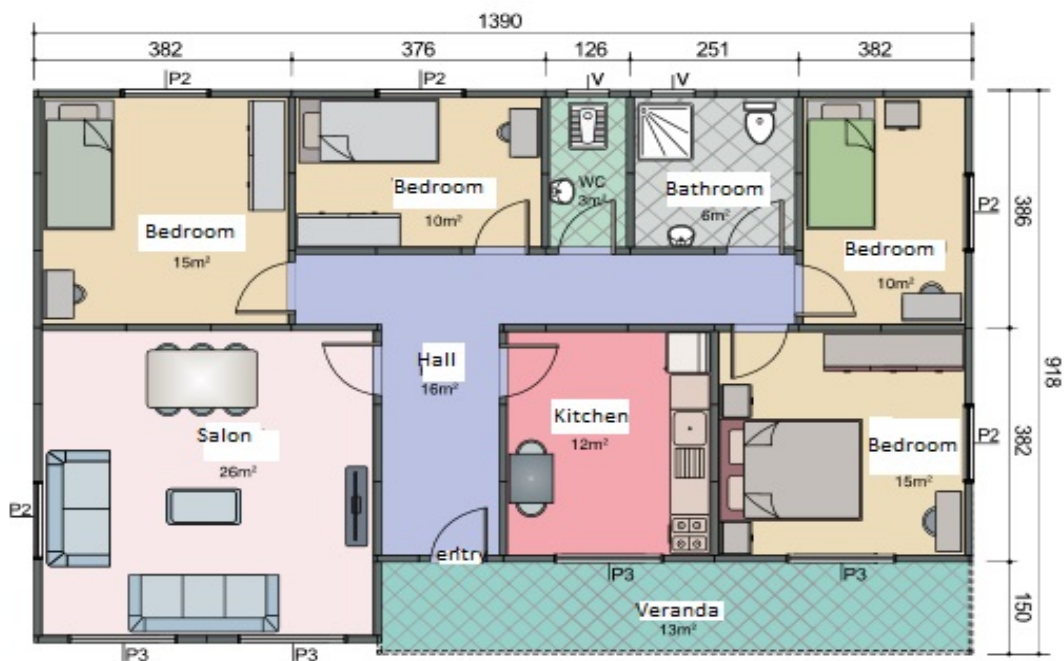
166m²



ETAP



B113+13

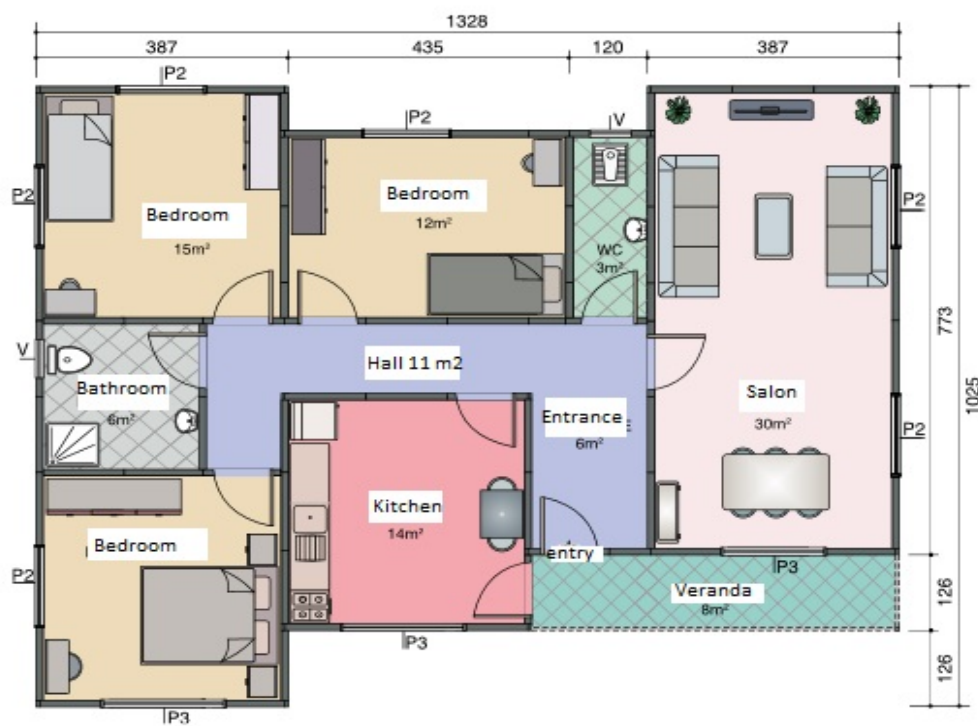
126m²



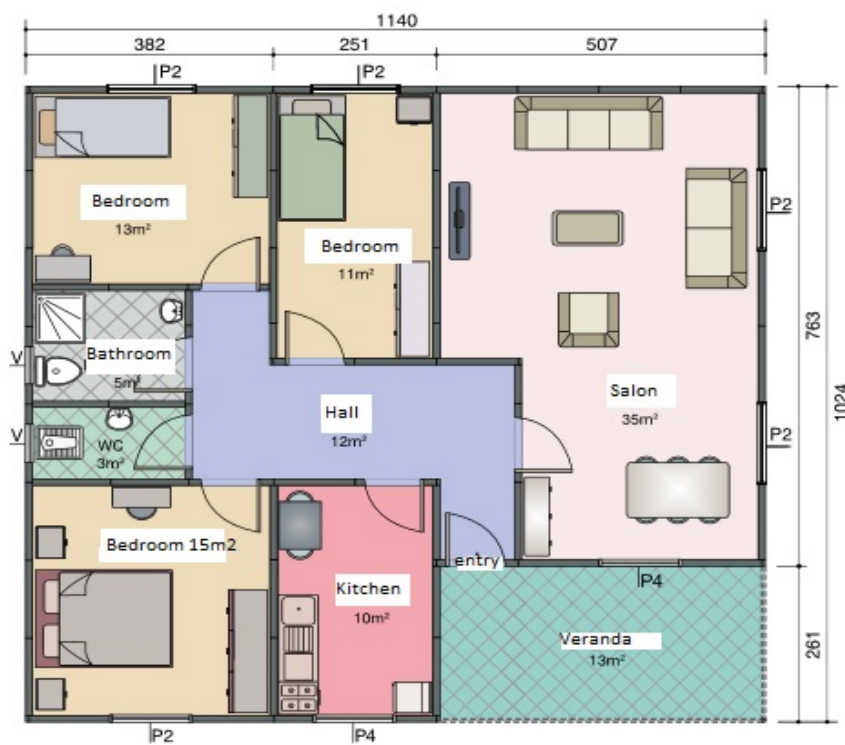
B111+11

122m²

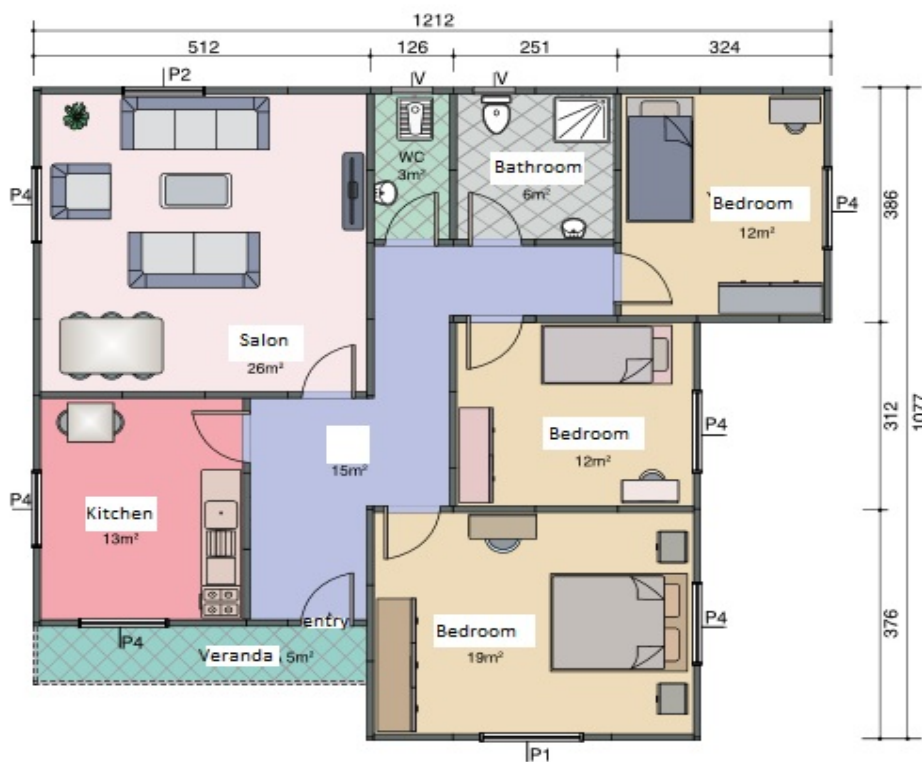
ETAP



B104+13

117m²

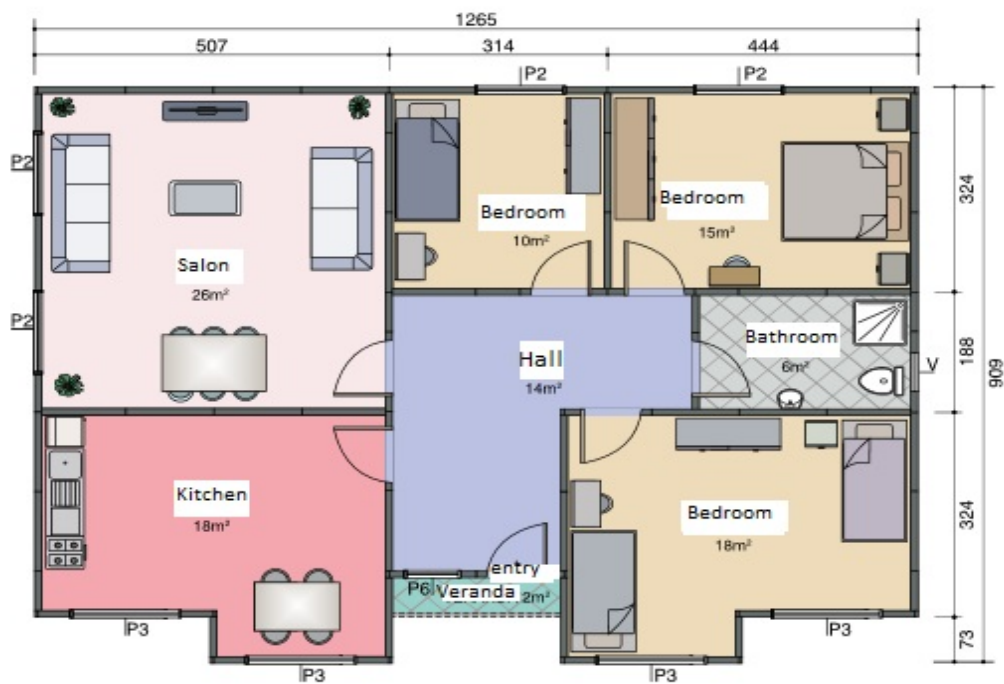
ETAP



B108+2



110m²



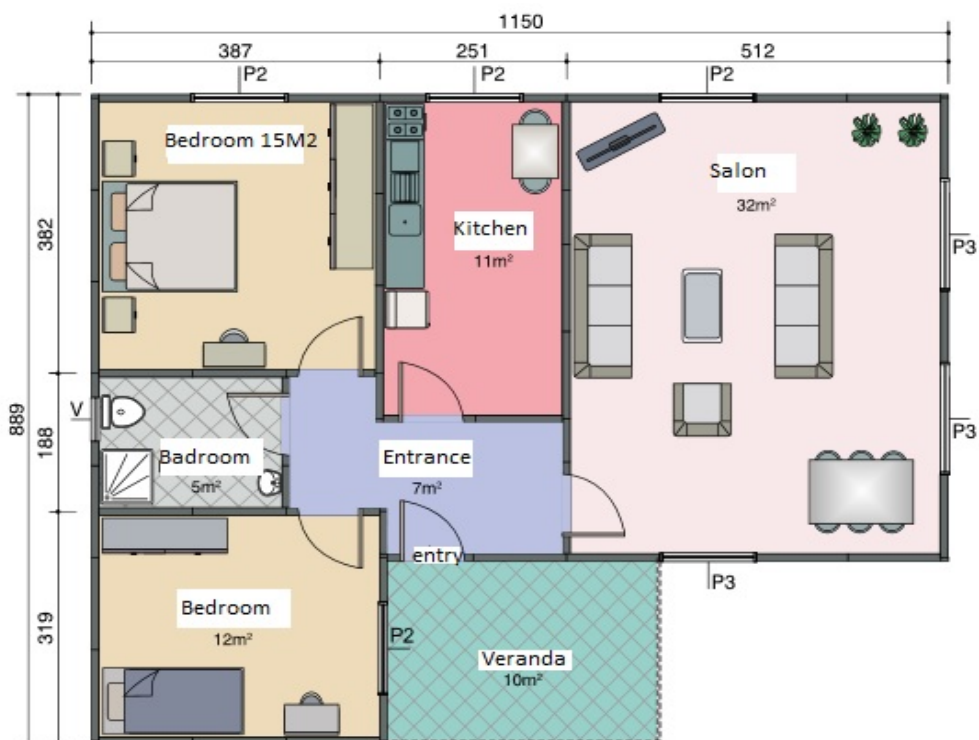


B89+7



96m²

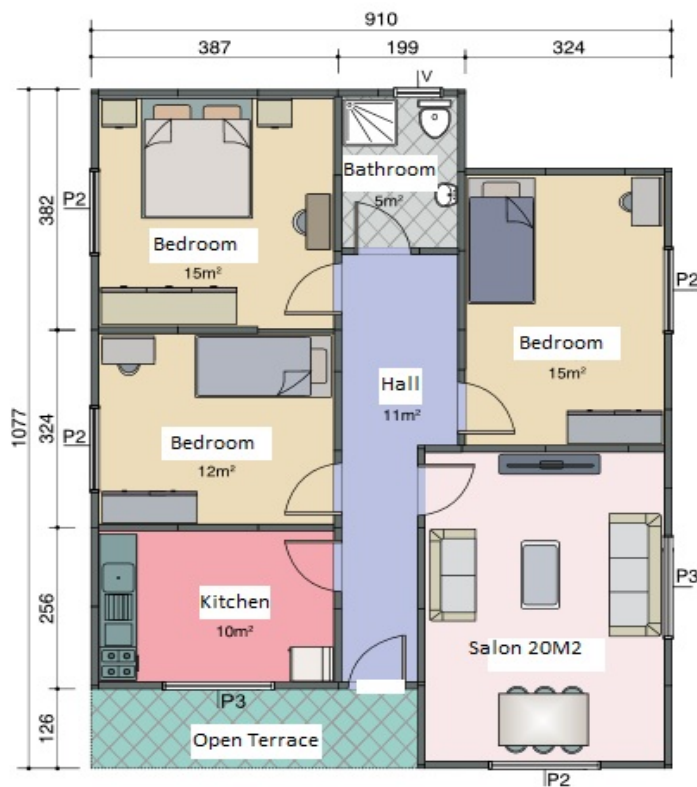


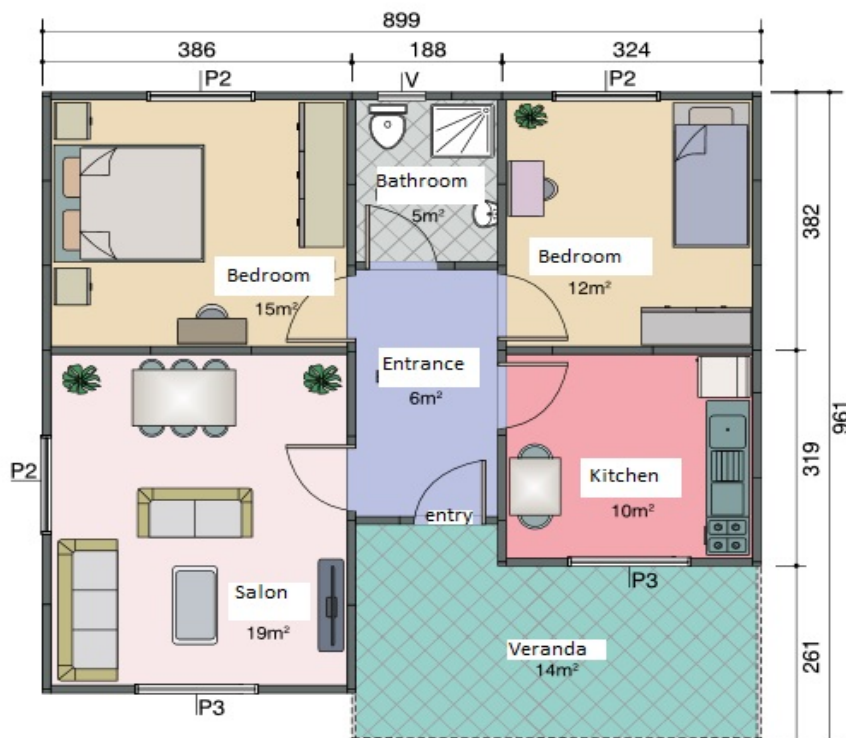


B86-1



86m²

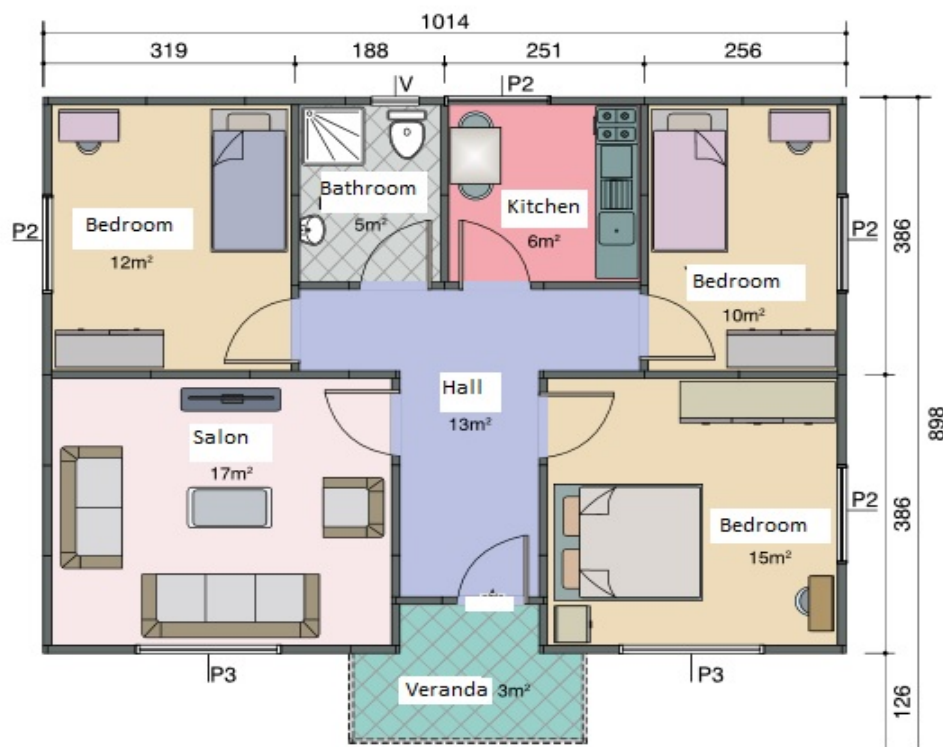


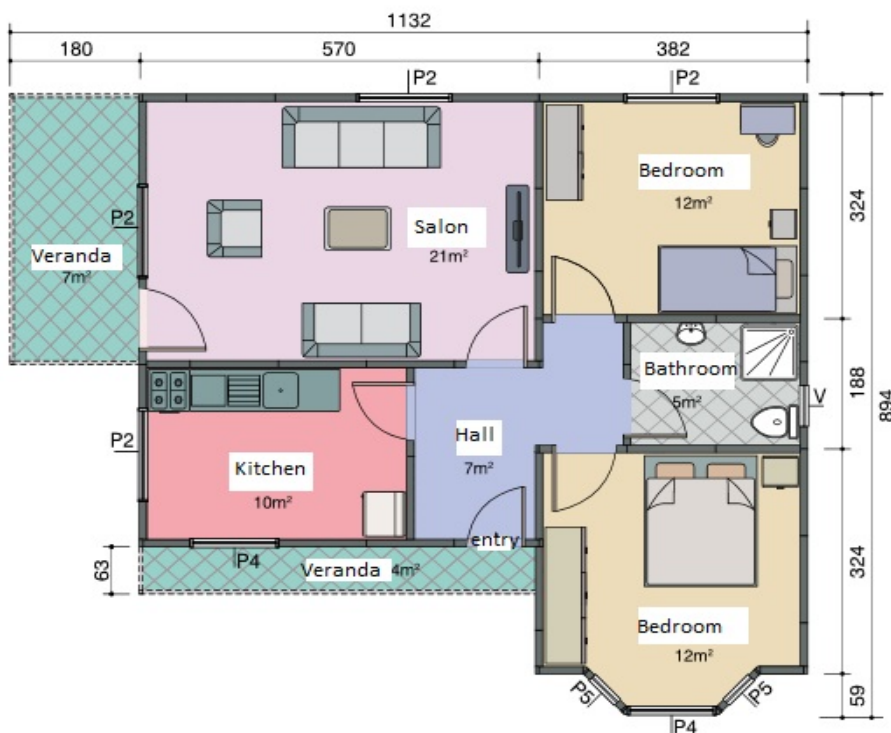


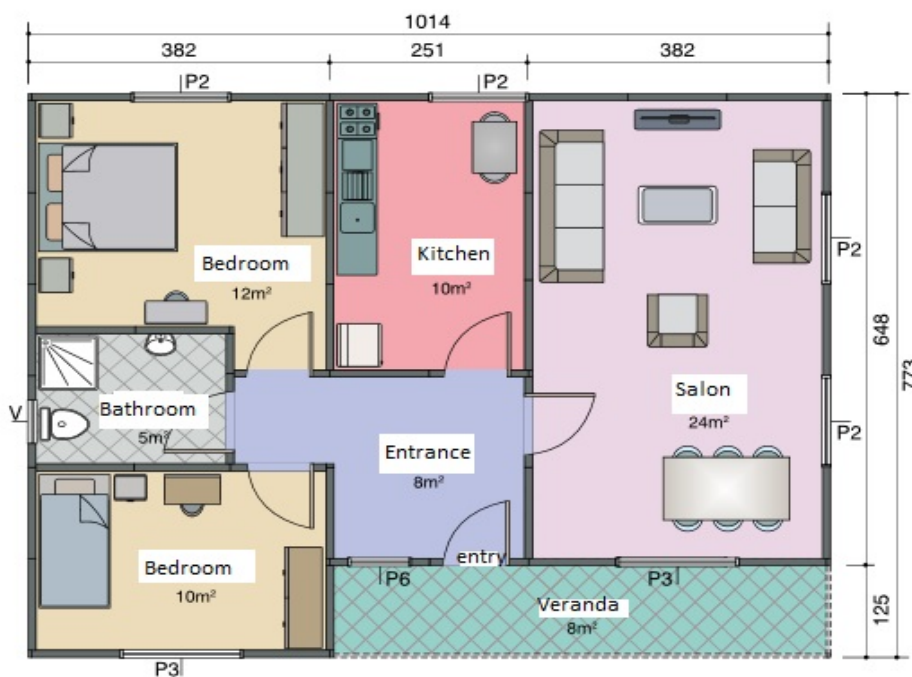
B79+3



82m²







B69+8



77m²



B75-1

