



W A B i

SIMPLER. SMARTER. STRONGER

Australian Owned

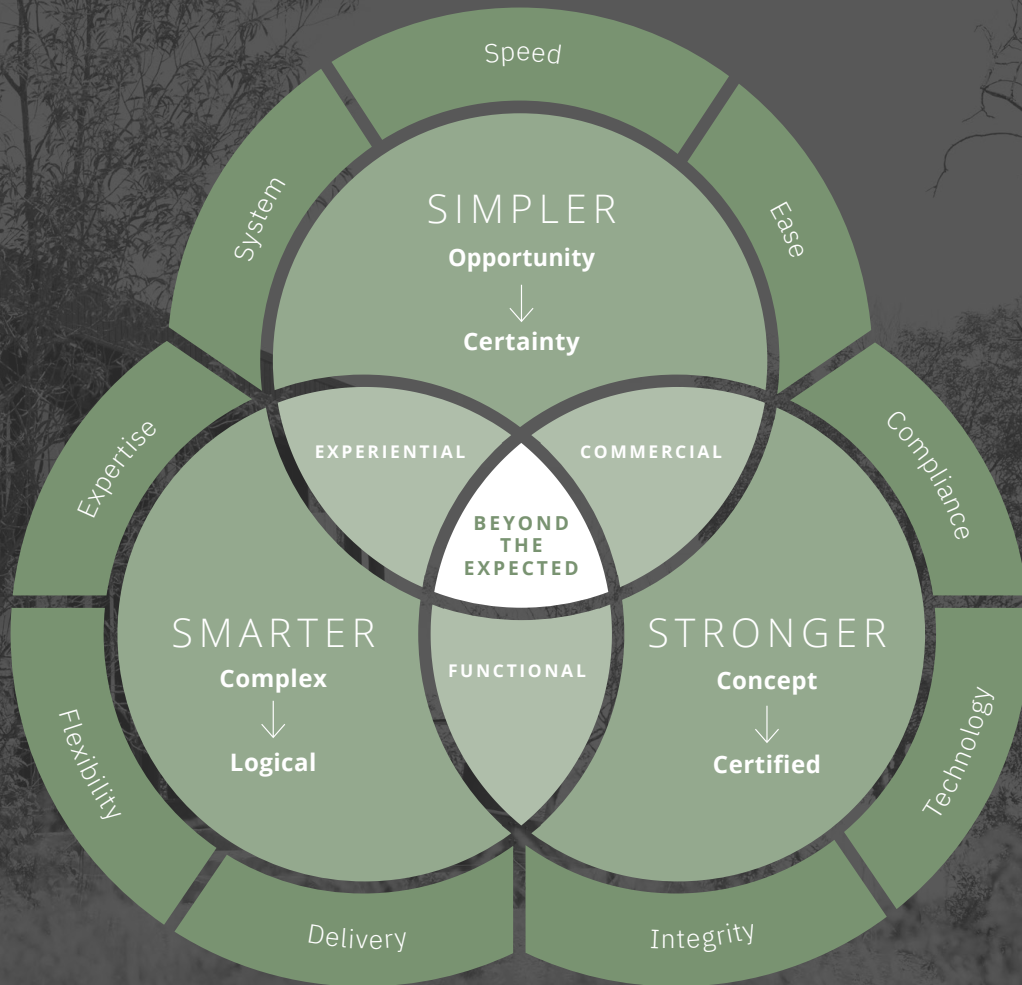
120 Day Fast Delivery

Up to x3 Faster than traditional construction

GUY HENDERSON

FOUL BAY

wabisystems.com.au



WABi Systems' foundation is based on finding a **simpler**, **stronger**, and **smarter** method to the typical construction approach. It incorporates several key values; to retain the local site ecology, achieve high thermal resistance, stimulate local jobs, and be effortlessly constructed with minimal tools and time.

Assembling a WABi is much like a building a flat-pack, every element has been meticulously engineered to work in unison, from our thermally insulated panels, eco anchors footings, doors and windows.

Local community members can piece structure(s) together at remarkable speed using our customised installation assembly drawings and our teams' assistance.

With efficient designs, patented systems and construction techniques the WABi System is an emerging, global leader in sustainability and eco-friendly housing.

WABi Systems' welcomes the opportunity to present the design, manufacturing and supply of sustainable tourism accommodation to serve your location.

For over 30 years, WABi has been manufacturing sustainable tourism solutions designed around the parameters of quality, simplicity, affordability, environment practices and rapid assembly. Our patented system and technology positions us as leaders within the prefabricated flat pack construction market which by design allows for huge scalability and growth.

Our design and system will achieve the desired goals and identified conformance requirements.

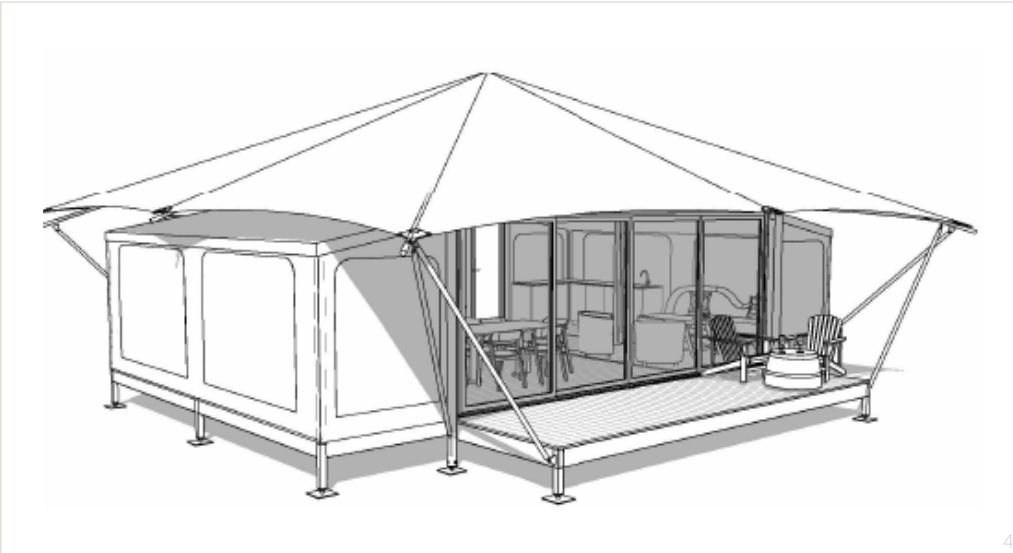
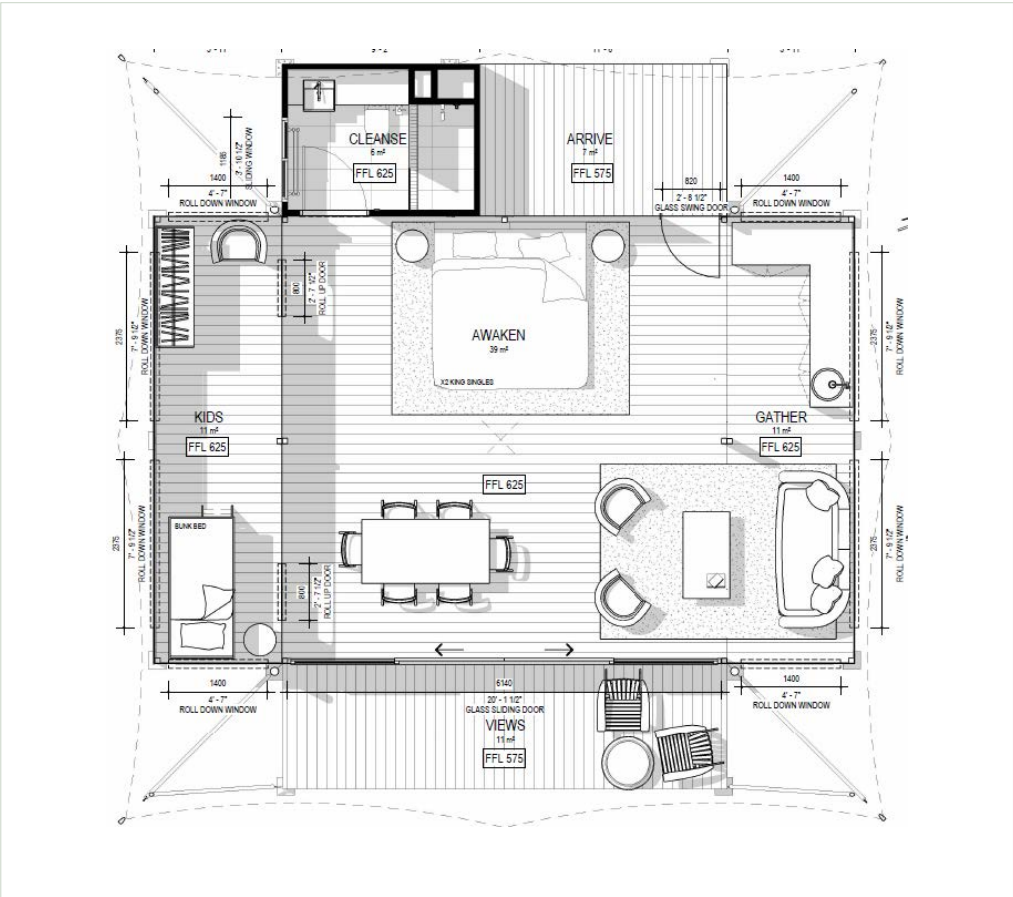
Warm regards,
The WABi System Team.

6.3M OPTION 49

76m2

SUPPLY FROM	
\$136,620	
PRICING	
ITEM	AUD (\$)
Steps	INCLUDED
Eco Anchors	INCLUDED
Bathroom Pod	INCLUDED
Vinyl	INCLUDED
Freight	INCLUDED
TOTAL SUPPLY + CONSTRUCT EST	\$172,000
Marine Upgraded Purlins	\$5,720
Rear Access Ramp	\$2,700
FULL TURN KEY EST	\$245,000

PLEASE NOTE
 *Subject to engineering and BAL/Wind requirements.
 Cost of supply valid for 30 days
 All prices are in AUD, and exclude GST and sales tax.



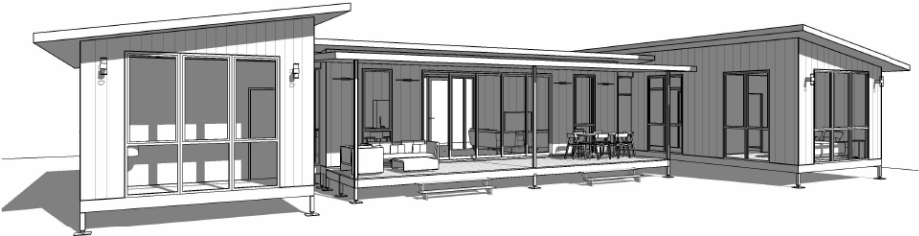
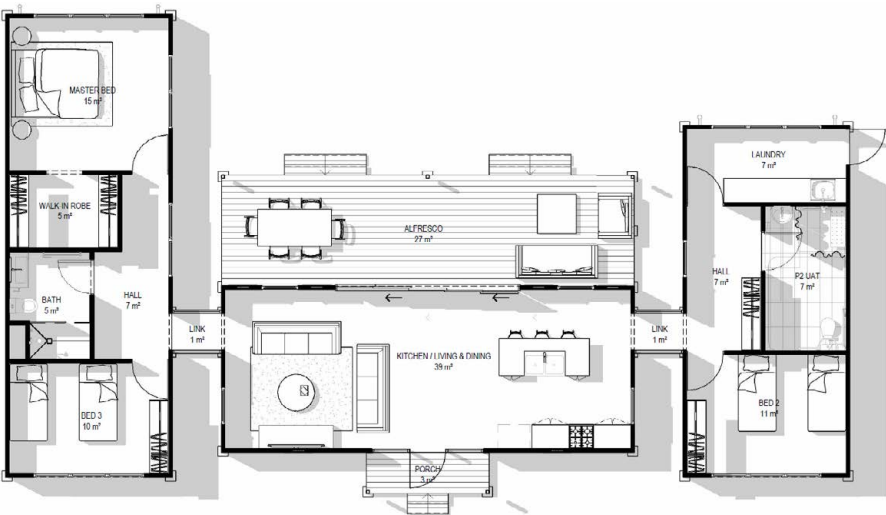
3X2 WABI HOUSE

125m2

SUPPLY FROM	
\$280,000	
PRICING	
ITEM	AUD (\$)
Steps	INCLUDED
Eco Anchors	INCLUDED
Bathroom Pod (UAT)	INCLUDED
Vinyl	INCLUDED
Freight	INCLUDED
TOTAL SUPPLY + CONSTRUCT EST	\$432,000
Custom Design + Engineering	\$2,000
Rear + Front Access Ramp	\$4,500
K2 Kitchenette Supply	\$7,150
Marine Grade Purlin Upgrade	\$8,645
Sub Floor Insulation	\$10,400
FULL TURN KEY EST	\$520,500

- Plumbers: \$10,000 for each model
- Sparkies: \$10,000 for each model
- Food, accommodation (if required)
- Mobilization
- Plus builders license 20% on project value if required

PLEASE NOTE
 *Subject to engineering and BAL/Wind requirements.
 Cost of supply valid for 30 days
 All prices are in AUD, and exclude GST and sales tax.



INCLUSIONS:

*Subject to site specific engineering and BAL/Wind requirements.

A standard WABi Kit includes all the materials required to build the shell of a home. All structural elements, walls, roofing, external cladding, deck, doors and glazing. It does not include labour.

UPGRADES:

Cyclonic Upgrade- 7% Added to Standard kit price

Marine Upgrade- 5% Added to Standard kit price

BAL Upgrade- Quote

Snow Upgrade- Quote

FOUNDATIONS:

Eco Anchor- WABi's recommended footing option, to reduce the cost of traditional footings. Not included in the kit price, until a sales agent has confirmed they are suitable for your site.

Concrete Slab- Not included in the price, would require a quote from a local contractor. We recommend using Eco Anchors where rock isn't present.

EXCLUSIONS:

Labour, Electrical Components, Plumbing Components, Paint, Internal Wall Feature Cladding, Kitchens, Bathrooms and Wardrobes (unless added in orders +5) as well as any additional items not listed in the "Inclusions".

SPECIFICATIONS TO CHOOSE:

- Roof Cladding Type & Colour- COLORBOND® Trimdek
- Wall Cladding Type & Colour- COLORBOND® Trimdek
- Composite Deck Colour
- Glazing Colour
- *Optional* Vinyl Colour- MiPlank

WABI KIT:

EXTERIOR- ROOF

Standard

- Structural steel frame
- Skillion 5 degree pitch w/ Exposed eaves
- COLORBOND® Trimdek roof cladding with flashing as required
- Roofing blanket

EXTERIOR- WALLS

Standard

- Structural steel frame
- 2400H WABi wall panels
- COLORBOND® Trimdek wall cladding

INTERIOR- WALLS

Standard

- 2400H WABi wall panels (*client to batten, flush, paint or internally clad*)
- 10mm plasterboard ceiling (*client to batten, flush or paint*)
- Ceiling insulation
- Square timber cornice mold
- Square timber skirting mold

COMPOSITE DECKING

Standard

- Composite Decking
- Structural Steel Frame

Add Ons

- Balustrade

GLAZING

Standard

- Powder Coated Aluminum
- Fly Screen
- Standard Handles
- Key Lock

Add Ons

- Double Glazing
- Low E Glazing
- Security Mesh
- BAL Upgrade Screens

BATHKIT

Standard

- Vinyl flooring
- Full height clad shower walls
- Shower base
- Fixed Shower glass
- Wall faced toilet
- 750 Wide Free standing Vanity with Open Shelf and 2 Soft Close Drawers
- Chrome, matte or brushed nickel tapware and shower system
- Hanging wall mirror
- Chrome, matte or brushed nickel double towel rail and toilet roll holder

We are unable to change BathKit fixtures, fittings & materials

Requirements for BAL12.5

Subfloor Supports - No special construction requirement

Floors - No special construction requirement

External Walls - Parts less than 400mm above ground or decks etc to be of noncombustible material,

External Windows 4mm Grade A Safety Glass glass

External Doors - screened with steel or aluminum mesh. Or glazed with 5mm toughened glass.

Upgrade All Screen Mesh" to Stainless Steel Security (No Mid Rail). (\$500 sqm); 16mX 2.4m = \$19200

Roofs - Non- combustible covering. Roof/ wall junction sealed. Openings fitted with non-combustible ember guards. Roof to be fully sarked. - Builder

Verandas Decks Etc - Decking to be noncombustible or bushfire resistant within 300mm horizontally and 400mm vertically from a glazed element.

Flame fighter decking upgrade - \$17 sqm (20 sqm deck plus 10sqm ramp) - \$510

KEY IMPACT AREAS

W A B I

Affordable Price
Point



Promoting Skills
Growth through
local labour



Quality
Assurance

Biodiversity
Protection



Waste
Minimisation

Carbon
Footprint
Reduction



Sustainable
Design

X3 FASTER

than traditional construction

WABi



= <12 MONTHS

TRADITIONAL



CONSTRUCTION

+1.5 YEARS

= +2.5
YEARS

+ SOCIAL RETURNS

over modular construction



Able to be installed by locals, community members, semi-trained handymen, etc.

WABi

= High social returns & community engagement

TIME

400 HRS

JOB

SATISFACTION

LOCAL JOB

STIMULATION

TRADITIONAL

= Low community engagement

TIME

JOB

SATISFACTION

LOCAL

BUSINESS AID

A modern building with large glass windows and a raised platform, situated in a natural landscape with a pond and trees. The building is illuminated from within, and the surrounding area is dark, suggesting dusk or dawn. The text "PORTFOLIO" is written in large, bold, white capital letters, and "Tried, tested, proven." is written in a smaller, white, sans-serif font below it.

PORTFOLIO

Tried, tested, proven.

ZAMBEZI LODGE

Location: Margaret River, WA

Sitting in the heart of the Margaret River wine region the Zambezi Lodge reflects excellence in sustainability and smart build principles. The lodge was originally designed as an Eco Tent and later upgraded to the WABi Tourism System prototype for a project on the Zambezi River in Africa, reflecting safari-style spacious living. Perched above a private rocky outcrop, with its own 'watering hole' lake and sweeping sunset views, Zambezi Lodge captures the essence of the south-west, in an inspired safari-style setting.

We always like to challenge and prove our new design concepts, before sharing them with the world – and hope you enjoy the new adventure of Zambezi Lodge and our adjacent WABi Tourism System, next door.



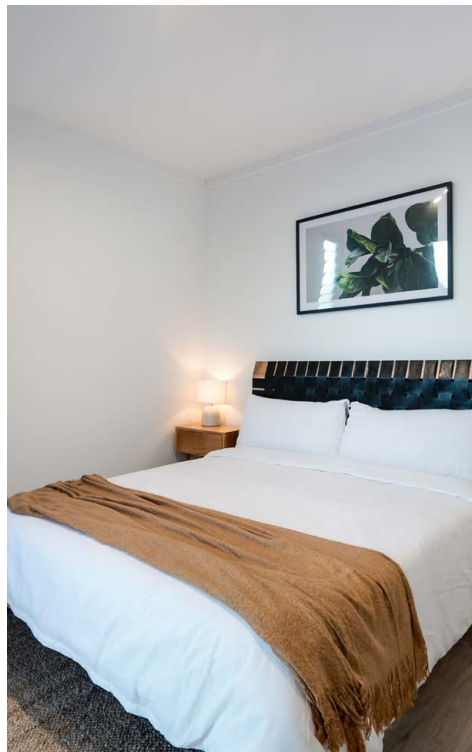
STAFF ACCOMMODATION

Location: Fremantle, WA

As the world has begun to reach post-pandemic normality, the rental market has soared. We found ourselves in the land of staff accommodation. So we set ourselves a little project, to design comfortable and affordable staff accommodation.

From Line Staff to Executive managers, we developed a large variety of floor plans for different levels of staff. This project was built in our yard in Western Australia in only 15 working days, approximately 300 hours.

The revolutionary future of remote and regional businesses to reduce staff turnover by providing creature comforts to your staff.



WANDER CABINS

Location: QLD

Providing short-stay accommodation in some of Australia's most spectacular locations, Wander has a variety of retreats with a focus on eco-living. In one of their latest projects, they collaborated with our team on some luxurious module designs. Each WABi Tourism System had luxury in mind, with floor-to-ceiling windows to allow the guests to truly immerse themselves in nature.



A photograph of a modern, single-story house with large glass windows and a dark metal frame. The house is situated in a wooded area with a rocky hillside in the foreground. A tall, thin chimney is visible on the roof, and solar panels are installed on the roofline. The interior of the house is visible through the glass, showing a dining area with a round table and chairs. The entire image is overlaid with a semi-transparent green filter.

TOTAL INTEGRATION

Reliable, efficient system.

SUM OF PARTS

Flat pack permanent construction

We like to think of our system like a flat pack. Using prefabricated components that are manufactured and transported separately and **built together on site**; using our customised installation assembly drawings.



C BRACKET*



L BRACKET*



JOIST BRACKET*



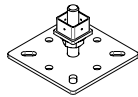
ECO ANCHOR BRACKET*



ECO ANCHOR*



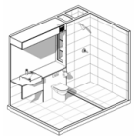
WABi PANEL*



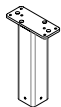
BASE PLATE*



C & Z PURLINS



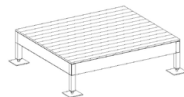
BATHPOD/
BATHKIT



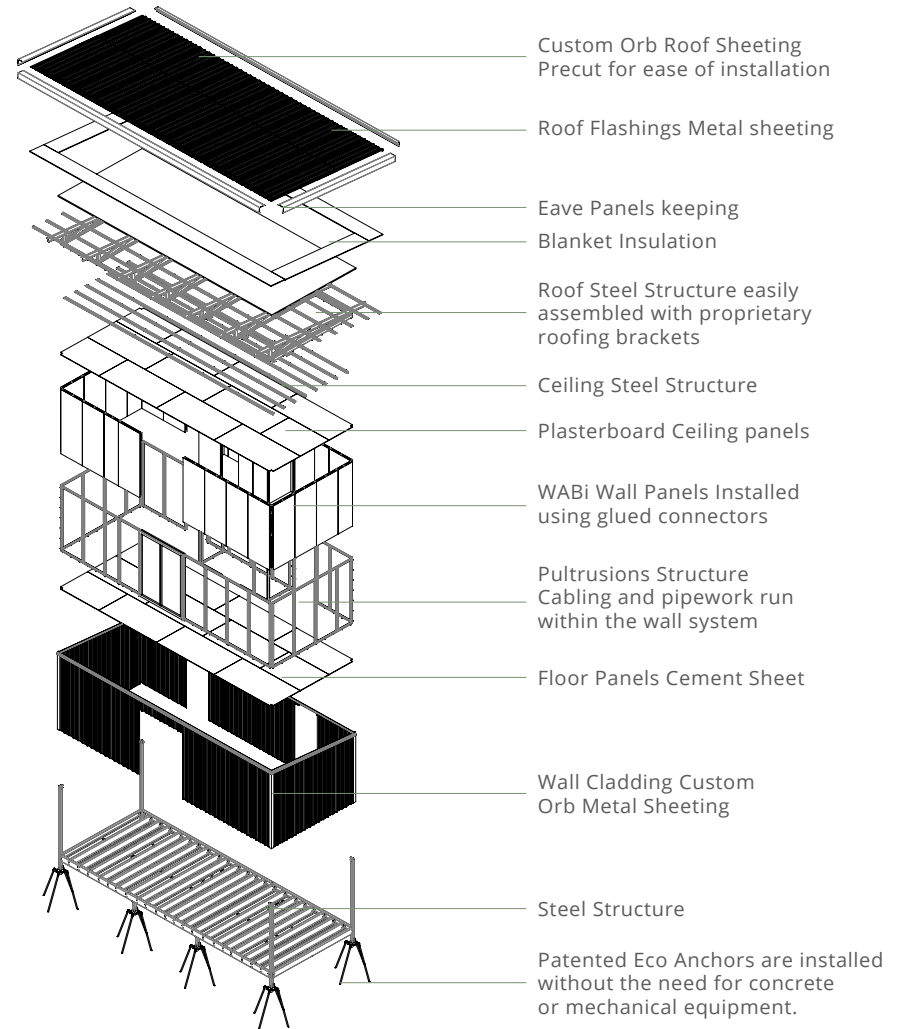
STUMP



DOORS &
WINDOWS



1.8m or 2.7m
DECK



*Patented System

**Example project not specific to project.

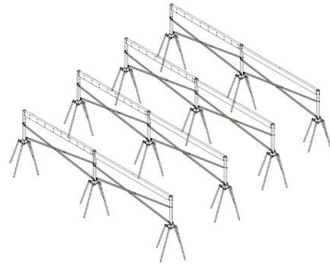
BUILD SEQUENCE

Uniting Every Component for the
World's Fastest Modular Home

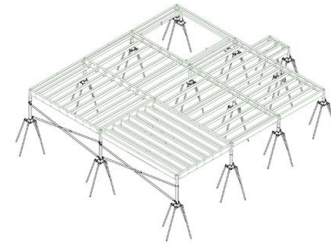
Click to view
Build Sequence



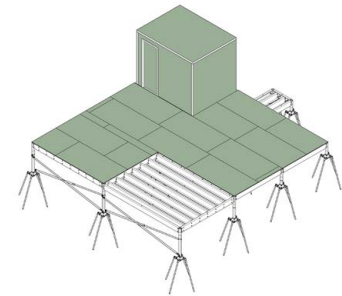
1. Concrete free footings



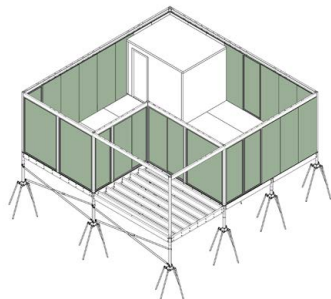
2. Lift Kit (Optional)



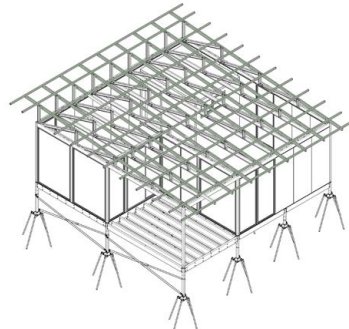
3. Structural Steel flooring



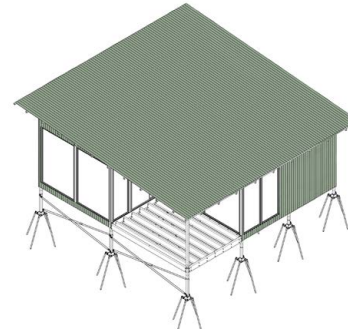
4. Bathpod Craned into position and cement sheet



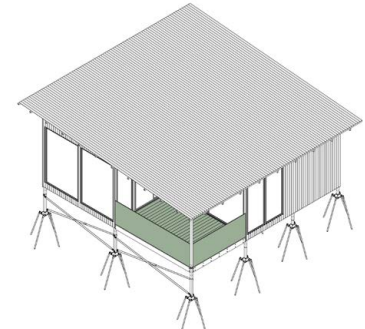
5. PIR WABi Panel + Glass windows + doors



6. Structural Steel Roof



7. Extra Insulation & External Cladding



8. Internal Fit out, Decking and Add-ons



**10 YEAR
WARRANTY**

WABi ECO ANCHOR

Concrete free foundation

The Eco Anchor system allows our cabins to be installed with ease in remote, undulating environments, without the use of concrete. It works by driving the four drive rods into the ground using a pneumatic hammer. The Eco Anchor system has the following advantages:

EASE OF INSTALLATION

Quick installation. No requirement for excavation plant or concrete materials.

GROUND SUITABILITY

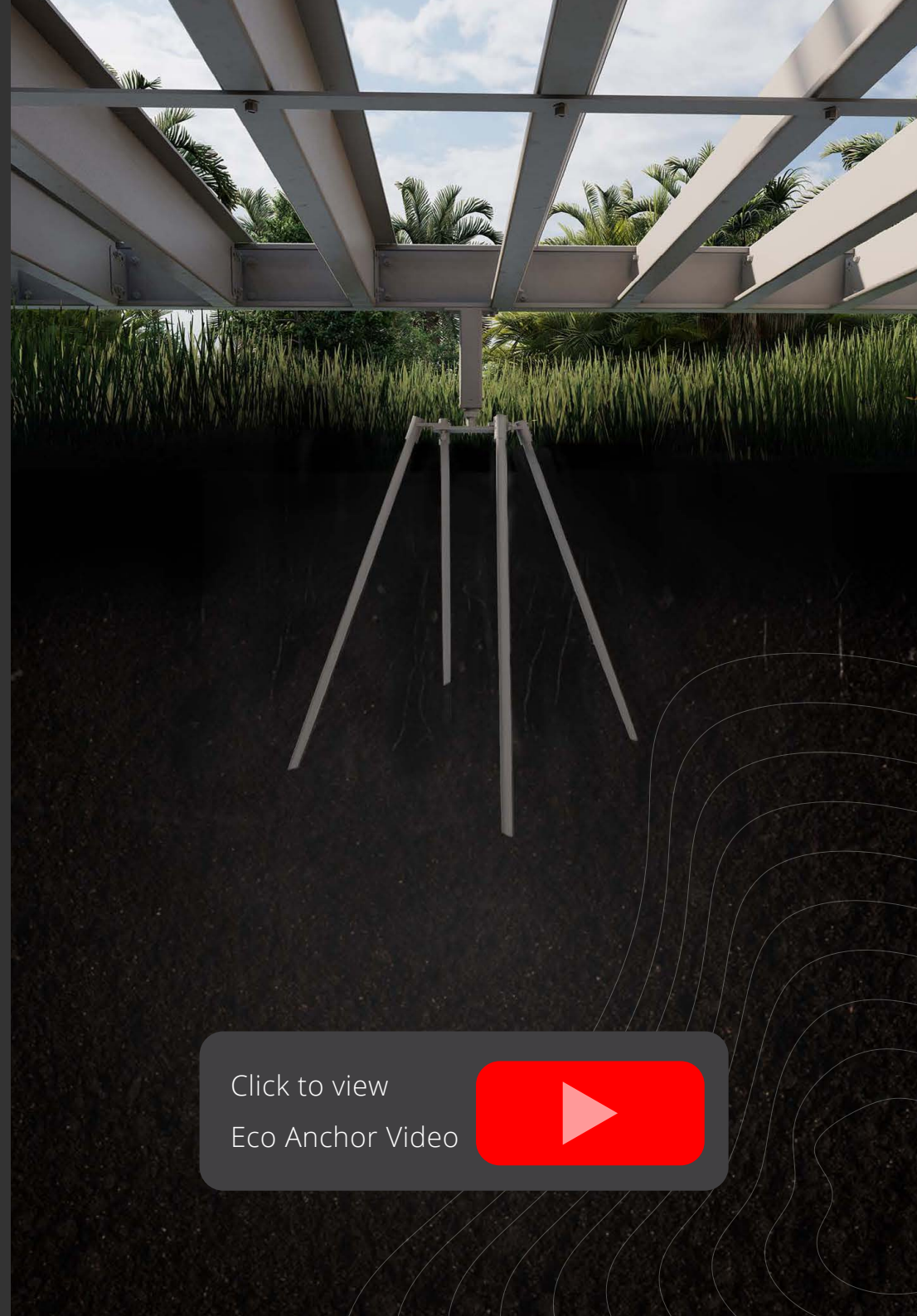
The Eco Anchor system can be installed in a range of ground conditions without ground leveling. Horizontal and vertical adjustment ensures buildings are installed level.

ENVIRONMENTALLY FRIENDLY

Minimal impact to the ground surface combined with a relatively small footprint makes this an environmentally friendly foundation system.

COST EFFECTIVE

Eco anchors can be installed at a fraction of the cost of conventional footings.



Click to view
Eco Anchor Video



WABi PANEL

Insulated PIR Wall Panel



Superior air and water resistance



Highest performing proprietary structural insulated panels on the market.



PIR Insulation Core



Use any external and internal cladding to finish



Extremely lightweight for easy installation

WABi
SIMPLER. SMARTER. STRONGER

Structural, thermally efficient and endlessly adaptable.

THERMAL EFFICIENCY

Insulation rating R3.543.

STRUCTURAL INTEGRITY

Panels are fully bonded for the highest cyclone rating in the world (Cyclonic Region D).

ELECTRICAL & PLUMBING

Cabling and pipework runs between the panels, alleviating the need for complex and messy chasing or the installation of conduits.

SAFE

- Require less maintenance
- Minimise additional insulation costs
- Fire resistance
- Hypoallergenic
- Moisture resistant

EASE OF ASSEMBLY

Panels can be easily lifted into position by a small team. Joints are glued, with no requirements for mechanical fixings.

INTERNAL & EXTERNAL FINISHES

Suitable for any finish, internal and external, including the fixing of alternative sheeting such as Colorbond or Hardiplank.

COST EFFECTIVE

An investment saving clients on additional thermal insulation and heating and cooling expenses.

INDUSTRY LEADING

This single product is a significant advancement and innovation in the building construction industry.

PANEL PERFORMANCE

Designed to withstand Region D
Cyclonic winds

WABi Panels have such a high thermal performance, it requires only half the thickness of other mineral-based insulation products. They have extremely low thermal conductivity and a high strength-to-weight ratio. Vapor & water cannot penetrate the WABi core; thus allowing the WABi R-value to stabilise at a higher value.

FIRE TESTING

WABi Panels have been fire tested to BS 476. It is a highly rated non-combustible panel suitable for all standard construction and BAL Ratings. When a Fire resistant level (FRL) is required for party or boundary walls, various fire rated solutions can be provided when requested. Fire test reports can be supplied on request.

STRENGTH TESTING

WABi Panels have been pressure load tested to meet the requirements of AS4055-2012. Engineer test reports can be supplied on request.

- **Wind Classification:** C3
- **Limit State Wind Pressure:** 5.91 kPa
- **Serviceability Wind Pressure:** 1.79 kPa
- **Serviceability Deflection Limit:** Span / 150
- For Region D we provide extra strength and support within the panel.

THERMAL EFFICIENCY

	AUS RSI	USA RSI
75mm WABi Wall Panel	R 3.3	R 18.7
Insulbreak 65 - Wall Wrap	R 0.2	R 1.1
Reflective Sarking - Vapor Barrier	R 1.0	R 5.7
Foil Faced Roofing / Builders Blanket	R 3.5	R 19.9
175mm Ceiling Batts (Earthwool)	R 3.5	R 19.9
195mm Ceiling Batts	R 4.0	R 22.7
75mm Wall Batts (Earthwool)	R 1.5	R 8.5
90mm Wall Batts (Earthwool)	R 2.0	R 11.4
90mm Underfloor Insulation (Bradfords Optimo)	R 2.5	R 14.2

THERMAL EFFICIENCY

WABI WALL SYSTEM	Wall Structure - 75mm WABi Wall Panel	R 3.3	R 18.7
	External Insulation - Reflective Sarking - Vapour Barrier	R 1.0	R 5.7
	Total Wall System	R 4.3	R 24.4
WABI CEILING SYSTEM	Ceiling Structure - Plasterboard	R 0.1	R 0.4
	Insulation - 175mm Ceiling Batts (Earthwool)	R 3.5	R 19.9
	Total Ceiling System	R 3.6	R 20.3
WABI ROOF SYSTEM	Roof Structure - Colourbond	R 0.0	R 0.0
	Roofing Insulation - Foil Faced Roofing / Builders Blanket	R 3.5	R 19.9
	Total Roof System	R 3.5	R 19.9
WABI FLOOR SYSTEM	Floor Structure - Compressed Fibre Cement	R 0.1	R 0.4
	External Insulation - Foil Faced Solid Foam Boards	R 2.4	R 13.6
	Total Floor System	R 2.5	R 14.0



**10 YEAR
WARRANTY**

GALVANISED STEEL

WABi uses a galvanised steel framework, making it extremely robust and naturally termite, mold, rust, rodent and mildew resistant. The steel frame is endlessly recyclable and 100% non-toxic.

Streamlining assembly with computer controlled engineering

DURABILITY

All the steel components used are fully hot dip galvanised, giving our structures an unbeatable durability. Purlins are coated to Z350 w and upgraded to Z450 in marine locations.

SUM OF PARTS

Our patented parts are transported separately and stitched together on site; using our customised installation assembly drawings.

MINIMAL WASTE

There's no waste because all components are cut to length with computer controlled engineering & all fixings provided in the kit.

STRUCTURAL INTEGRITY

All of our products are manufactured to comply with the Building Code of Australia (BCA) standards and engineered to be capable of meeting the maximum cyclonic wind rating of Australia for any structure (Region D), and BAL 40 Flame Zone. This makes them the strongest structural system components currently available on the market.

WARRANTY

Structural hot dipped galvanised steelworks: 10-year limited warranty, with an estimated life of at least 25 to 50 years Floor joist and bearers: Blue Scope Lysaght 200C: 10-year limited warranty with an estimated life of 20 years.



LIFT AND BRACE KITS

WABi telescopic lift kits are available in 1, 2 and 3m!

The WABi Lift & Brace kits are designed to provide strong, safe and levels bracing for the WABi structures, independent of the site profile.

With the help of these kits, the WABi system allows the client to customise their living experience, taking in previously unattainable views and expanding on their living space, regardless of the landscape limitations to conventional construction.

SIZES

Our telescopic braces are available in three standard length of 1, 2 and 3m, which are further adapted and cut to the exact size required to fit the ground profile and to provide the desired elevation

PROFILES

The Lift kits are available for square (BS), round (BR) and square & round (BSR) poles.

PROTECTION

Lift and bracing kits are popular for those living in a flood zone. It protects the home from severe weather conditions, natural disasters and improper drainage.

EXPANSION

House raising is an excellent way to not only build more space into your house but also provide a space for you to stay cool during the hot summer months.



BATHPODS

Bath Pods are prefabricated with impeccable detail throughout, from tiled floors, full height tiled walls and in a light, mid or dark tone colour variation. We provide 3 floor plans, our P1, P2- UAT & P4.



EASY INSTALL + MAINTENANCE

Bath Pods are installed with a service duct allowing for easy maintenance.



COST EFFECTIVE FIXED PRICE

A fixed price on every bathpod and finishes so there will be no surprises.



LESS WORK ON SITE

The project manager is able to deal with only one contractor instead of the traditional 10+ suppliers and sub contractors.



TIME SAVING

Using pods reduces the overall build program of the project and allows for fast installation on site.



WORLDWIDE SHIPPING

Using pods reduces the overall build program of the project and allows for fast installation on site.



TYPICAL PROCESS

To help realize the vision of the project, we have created a timeline to guide you through the process. The following table is indicative and time variations may occur outside of WABi Systems control.

1

Identify full project scope

You are here! From this document chose a plan and get in touch with our sales team!

2

Initial quote developed & supplied

To ensure you have a good understanding of the process, inclusions, time frame & budget

3

Engage an architect or use our internal architects

Go through the process of DA Planning and Building Approvals

4

Formal quote developed & supplied

Sign the manufacturing supply contract
Engage a local builder

5

10% Deposit

Final Specifications and drawings signed

6

40% Progress Payment

120 days in Manufacturing

7

40% Progress Payment

Manufacturing Completed
4-6 weeks shipping to site**
Dependant on location

8

Pre Construction Meeting

Our internal team will meet with you and your preferred builder to have a preconstruction handover meeting

9

10% Final Payment

Your project is almost at your site! Payment due when goods arrive at nearest port to site.

10

Materials Land on Site

Provided you have all the correct approvals you are now ready to build!

GLOBAL DELIVERY

Flat pack delivery in 120 days

We have a highly efficient packing systems to ensure that multiple modular structures can be packed into a standard size sea container. WABi wall components will arrive flat packed in a stacked form and typically each structure and components are strapped and packed to a recycled wooden pallet so it can conveniently be forked lifted into position.

Please note each and every order will have specific requirements subject to size, location and logistics, our team ensure an efficient, safe and punctual delivery.

The delivery process could not be more simple we have 30 years' experience shipping internationally using trusted Marine Freight companies.

CASE STUDY: 4X 60M2 CABIN

COMPETITORS *(prebuilt modules)*

8 Wide Load Trucks &
3 Normal Load Trucks

VS

WABI SYSTEMS *(flat pack system)*

4 Normal Load Trucks

=

FREIGHT SAVED = 80%



x3's WABi 60m2 Cabins



Flat pack steel in container



Remote island port delivery

W A B i

SIMPLER. SMARTER. STRONGER

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A company of The WABi Group



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