

Keyword Buildings

Strong Solid Wood Construction

Pre Fabricated

Fast Assembly



New Zealand Renewable Pine

Durable Treated Wood

PRECISION ENGINEERED TIMBER
Keyword



FLUID WOOD PRODUCTS have developed accommodation units to meet the growing demand for durable easily assembled, cost effective and environmentally friendly portable accommodation solutions. Our pre-fabricated timber units are extremely hard wearing, and low cost, we have engineered a unique design using pre-assembled structural frames. These units can be used to provide a solution for accommodation or as an office set-up.

This unique design incorporates a solid interlocking wood panel unit supported by a sturdy structural skeletal pinewood frame, the result is a versatile, renewable construction that is extremely energy efficient and cost effective.

As a result of our disaster relief work in Asia after the 2004 tsunami Fluid Wood Products and UniLog Buildings have invested an enormous amount into research and development designing a complete renewable solution for portable accommodation.

With our in-house design and engineering capabilities, we can also meet any customizing your project may require, if you require a 28 person accommodation unit, or you need it to be transportable, built onto a transportable trailer unit, or you wish to have it designed in a kitset form, the we can build it .

We will use the same unique structural components and building techniques, and the design requirements can be tailored to meet your needs.

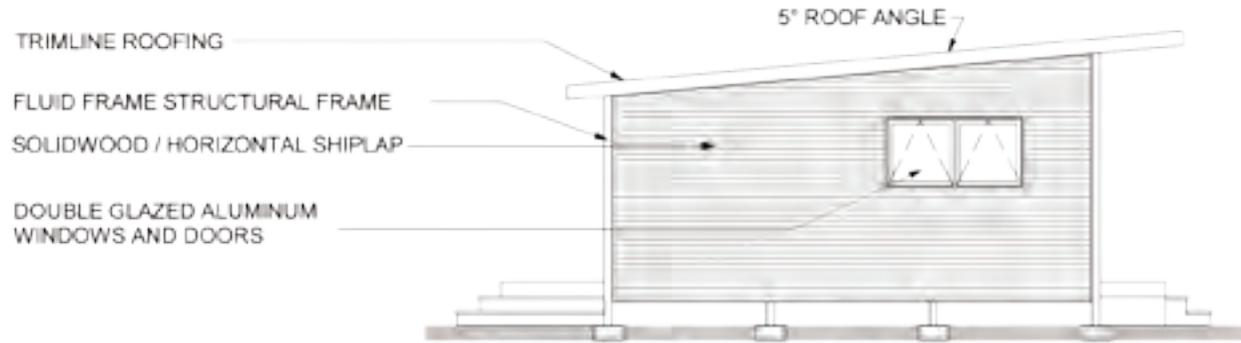
The units are built with a layout of 2 rooms and a bathroom and kitchenette if required. There are 2 or 3 windows at the front (depending on your internal layout requirements), 1 window at the rear and 1 window on each side.

The standard layout for accommodation will house 2 beds in each room, comprising four people to each level.

Each unit comes standard with a space designed for an air conditioning unit at each side of the unit, and this enables the most efficient and effective air temperature maintenance, although this may change depending on your internal layout requirements.



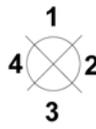
ELEVATION 1
SCALE 1:100

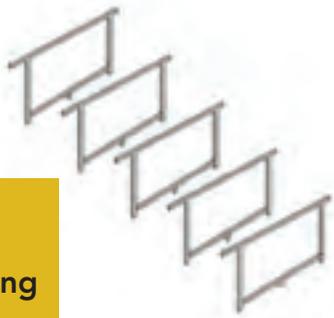


ELEVATION 2
SCALE 1:100



ELEVATION 3
SCALE 1:100

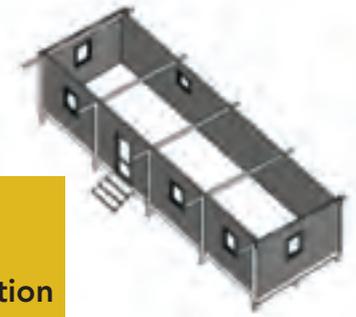




Step One:
Structural Framing



Step Two:
Sub Floor and Framing



Step Three:
Interlock Panel Installation

Assembly





As per two bedroom unit

Component	Detail	Comment
Size	1200 x 3600mm	
Height	2650mm (total)	
Area	42.85m ²	
Structural Frame	150 x 100 structural frames H5 Treated. Pre- Assembled	Stiff, lightweight frame that is easily assembled and dis-assembled.
Sub Floor	200 x 50 Rough Sawn H3.2 Timber	Pre-Fabricated for 'drop-in' construction.
Floor R = 1.5	48mm solid Radiata Pine TG & V flooring. H3 Treated with Bats insulation.	
Wall Panels	140 x 68mm Solid Wood Interlocking Wall Boards.	High insulations value, durable and breathable.
Ceiling	19mm Radiata Pine TG & V Saking. Urathane Coat finish	
Roof R = 3.6	Profiled long run steel roofing on 1150 x 50 Ceiling Purlins. Double layer of Bats Insulation.	
Stairs	1 set 1200mm Timber stairs with 220 treat. H3 Treated.	
Windows	6 x 600 x 900 1 x 600 x 600	Aluminium double glazed windows. Various colors.
Door	1 x 810 x 2100	Aluminium double glazed door. Various colors.
Roof Pitch	5 degrees	
Overhang	400mm	Front and back of building
Overall Insulation	Insulation to standards required by NZS 3604	



Photo Gallery



PRECISION ENGINEERED TIMBER
Keyword

Disaster Relief

Temporary Housing

Mobile Option

Office

Holiday Home/Bach

Military Barracks

Fluid Wood Products was founded to market and export New Zealand's renewable pine timber. We specialize in:

- Engineered timber designs
- Timber fabrication e.g. pre-fabricated frames and trusses
- Kit set housing (Disaster Relief, Resort Development, Portable Accommodation)
- Bulk timber supply
- Logistical management and support
- Project management

We concentrate on filling orders efficiently whilst making sure everything supplied is suitable for the required end use. Our structural grade timber is machine stress-tested and verified in order to meet specific engineering requirements and the stringent New Zealand Building Standards. As a result, our customers receive cost efficient designs and high quality timber products.

Using the latest CAD software and engineering expertise, we optimise designs for all our prefabricated products to ensure our customers are not only supplied with the best value for money, but also that components are easily handled and assembled to suit the varied skills of the labour force at the final destination.

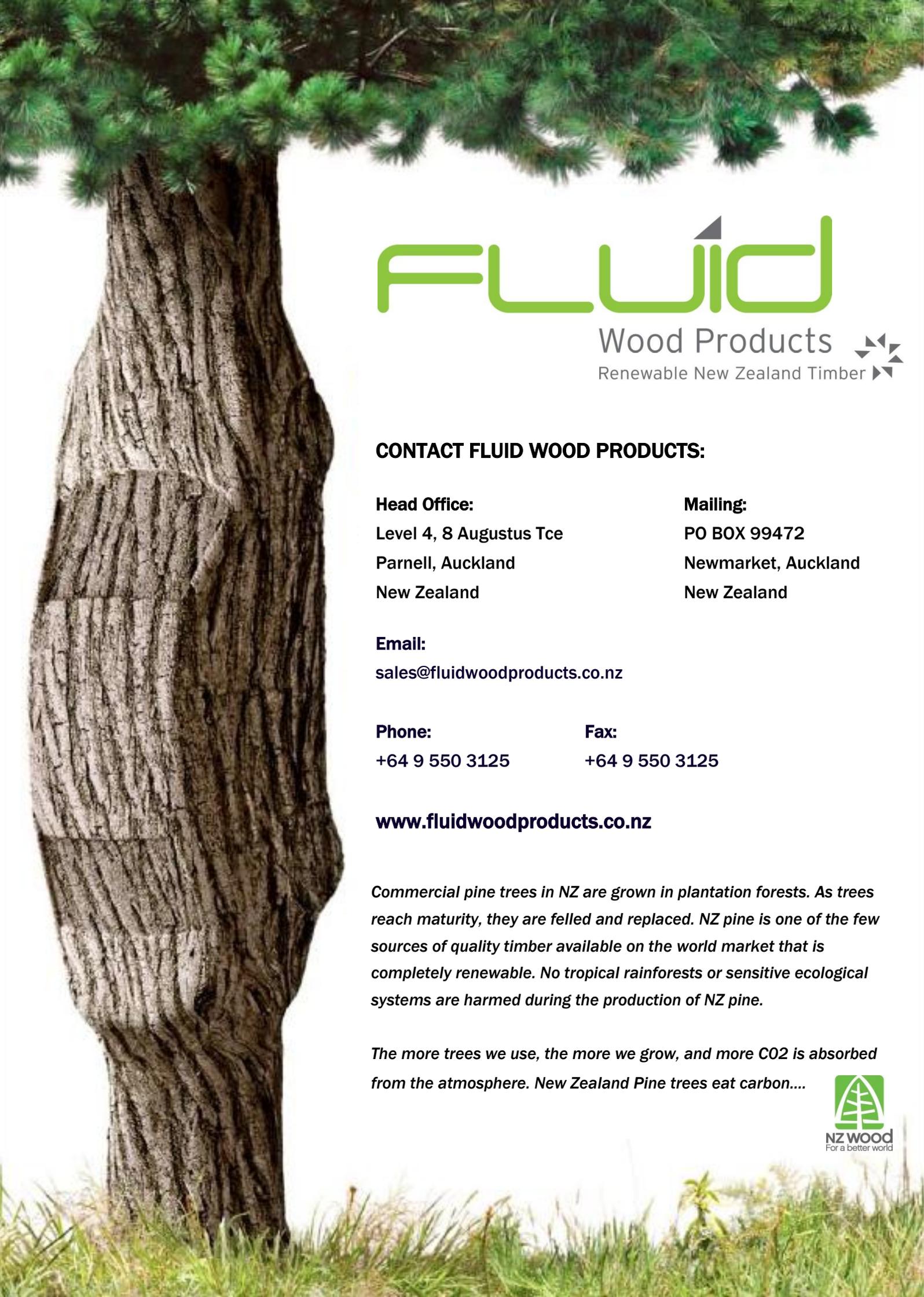
Fluid Wood Products has a large base of experience in disaster relief projects and has the ability to meet tight timelines for supply, as well as engineer products to provide ease of assembly for even the most unskilled of work forces. Our support is available from the initial planning and design phase, right through to your project completion.

We also supply a large variety of bulk timber options ranging from moulded finishing timbers through to un-sawn logs. We constantly source product from the large number of New Zealand's wood processing plants, bringing the whole spectrum of New Zealand's wood industry to your doorstep, through a single point of contact.

All of our processed bulk timber is available in a wide range of chemical treatments to suit specific end applications, and we also offer stress-graded timber in standard sizes. Custom milling/treatments are also available.

Fluid Wood Products can meet ALL of your timber needs.





FLUID

Wood Products 
Renewable New Zealand Timber 

CONTACT FLUID WOOD PRODUCTS:

Head Office:

Level 4, 8 Augustus Tce
Parnell, Auckland
New Zealand

Mailing:

PO BOX 99472
Newmarket, Auckland
New Zealand

Email:

sales@fluidwoodproducts.co.nz

Phone:

+64 9 550 3125

Fax:

+64 9 550 3125

www.fluidwoodproducts.co.nz

Commercial pine trees in NZ are grown in plantation forests. As trees reach maturity, they are felled and replaced. NZ pine is one of the few sources of quality timber available on the world market that is completely renewable. No tropical rainforests or sensitive ecological systems are harmed during the production of NZ pine.

The more trees we use, the more we grow, and more CO2 is absorbed from the atmosphere. New Zealand Pine trees eat carbon....

