

# Welcome

Since 1951 Lockwood have designed and built quality, warm, dry and healthy homes for New Zealanders. Our proven history means choosing Lockwood is an easy first step to achieving your new home dream. When you work with Lockwood, every care and accuracy throughout the process ensures the highest quality in the outcome - your brand new home!

Our Designed for Good 21st Edition Plan book is a curation of concept plans and inspiration, and showcases beautifully crafted design and build homes completed for clients all over the country.

At Lockwood, we strive to ensure your new home perfect for you. Every design featured in this book can be adapted to suit your site and lifestyle, or our team can work with your ideas, sketches, or architectural plans to bring your dream home to life.

Designing and building may feel like an overwhelming task, but the time spent planning is worth it when you can create something that's perfect for you and your family.

Get in touch with our team to take the next steps in your home building journey.

Phone 0508 562 596 | lockwood.co.nz









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# **The Design Process**

### 1. Your Building Site

The Lockwood design process usually starts with information about your site. We will discuss with you your requirements for the design and get an understanding of the lay of the land and existing features such as the best aspect for sun, views and vehicle access.

### 2. Design Brief

Once we have some basic information on your site and your requirements, a thorough design brief will be created which our architectural designer can work with to create concept plans.

### 3. Concept Plans

These initial plans will help answer questions such as the positioning and orientation of your home on the site, and the layout and general appearance of the proposed design. We will work closely with you to refine these plans which will assist us in providing an estimate of the build price.

### 4. Cost Estimate

Once you are happy with the concept plans we will prepare a cost estimate. This may include allowances for work or materials, based on standard specifications, that will be finalised by you at a later date.

### 5. Final Plans

When you have approved our cost estimate for your project, we will commence with working drawings. These plans include the finer details such as kitchen and bathroom layouts, electrical and heating services. Construction details will be incorporated and, if required, engineering specific to your project will be completed.





# Design and Build Projects

Your dream home can become a reality with Lockwood. The following pages explore design and build projects we have completed for families all over New Zealand. Take inspiration from their journeys to start your own project, whether you adapt an existing design or bring your ideas and sketches to our team to develop a home that perfectly fits your site and your lifestyle.











Length 16.02m Width 14.74m Area 142m<sup>2</sup>

3 Bedrooms 2 Living Areas

2 Bathrooms + WC Separate Laundry





## Mullan Family Holiday Home

The Mullans had a blank canvas to design and build their dream holiday home once the existing bach was removed from their coromandel property. The family took their time with the design process, working closely with their local Lockwood contractors to arrive at the final design.

The Mullans knew they wanted to keep the size of the home at around 140m² and include three bedrooms and two bathrooms. A café style kitchen and separate media room / lounge were also must-haves as well as plenty of space for covered

outdoor entertaining. They wanted a relaxed, pared back, beachy look and stuck with colours inspired by nature.

For the exterior, they settled on VG pine cladding stained in striking black. The two gable ends of the home, with their floor to ceiling windows, offer stunning street appeal and a sense of symmetry to the design.

Covered outdoor spaces and decks connecting the front and back of the home provide the perfect place to relax.

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We love sitting on the back deck under the enormous gable, completely protected from the elements but feeling completely immersed in the outdoors. We are totally rapt with every room in that house – there is nothing we would change. The building team were phenomenal – clearly amazing at their craft and the workmanship was perfect. We would do it again in a heartbeat.

- Mullan Family

"





### Tony and Sue's Pavilion Home

Tony and Sue wanted to settle close to family when they moved back to New Zealand after years abroad. They purchased a sloping site in Wanaka and originally worked with an architect to create a concept design. They eventually discarded the concepts as they did not work for their budget or their lifestyle. They came to Lockwood with their ideas for a light filled home with open and connected spaces.

The Lockwood Pavilion, originally designed by Architect Pete Bossley, featured a soaring wing with stunning cantilevered laminated beams. Tony and Sue felt this architectural styling perfectly captured the natural connection they desired with their environment. Working with their local Lockwood team, Tony and Sue made changes to the plan to best suit their needs, incorporating covered outdoor living and entertainment areas and passive house features to make the most of their north-facing views.

They created an office off the open living area and made the

second bedroom into a media room. A large feature barn door closes off the spaces when required.

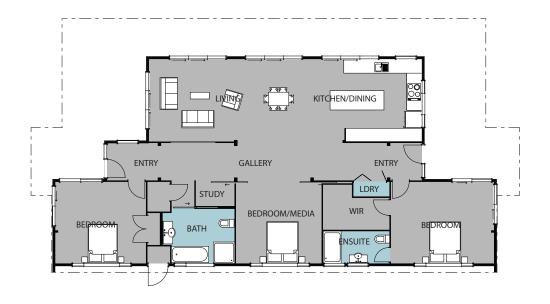
The interior fit out of the home showcases Sue's design flair and the special items they have gathered throughout their travels around the world. They supported Wanaka based industry where they could, purchasing sustainably sourced redwood tabletops, serving bench and bench seats through a local timber craftsman. The schist for the pillars came from Cluden Stone Quarry, and the incredible stained glass window was commissioned from local leadlight artist Jennifer Robertson.

Tony and Sue are thrilled with their home, which won the 2020 Lockwood House of the Year.









Length 20.57m Width 9.50m Area 164m<sup>2</sup>

\_\_\_\_

3 Bedrooms 2 Living Areas 2 Bathrooms

Separate Laundry Walk in Pantry









### Crombie Family Home

Although they had taken on extensive renovations in the past, this stunning Lockwood home is the first time the Crombie's had embarked on a design and build journey.

The section the Crombies had purchased was conservation zoned meaning it came with some challenges, including large protected native trees, which reduced the platform the home could be built on. A unique design was required to ensure a three-bedroom home would fit within the small available space.

The Crombies had some idea of what they wanted but no set design in mind. They needed a self-contained guest suite, two additional bedrooms, a scullery, and separate laundry. They worked with local Lockwood contractors, Tuohy homes, and in-house designer Ross Kerry to design and build this one-of-a-kind home which won the Lockwood 2021 House of the Year.

This clever design has an open plan kitchen, living, and dining space. The angled shape of the home and furniture placement, including the built-in entertainment cabinet, break up the area and create cosy, more intimate zones within. The guest suite has been placed on one side of the home and includes small kitchenette and lounge. The additional bedrooms placed at the other end of the home offer privacy for guests.

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Just wanted to say many thanks to the whole Tuohy team for the professionalism and focus on us as client through the whole process. All the way through the challenging RMA, the design, the detailed work on layout and fittings. The house is just what we wanted and is great to live in. It's a real testament to the quality of Lockwood but also your team and your contractors.

- F. Crombie

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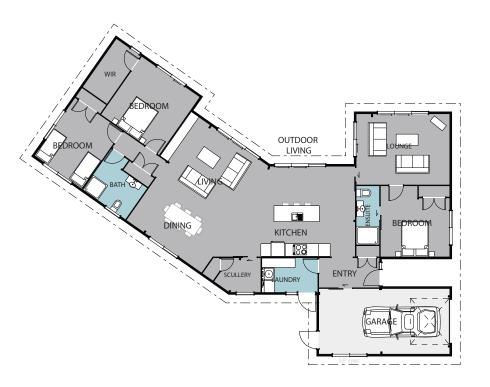








3 Bedrooms 2 Living Areas 2 Bathrooms
Single Garage Separate Laundry Walk in Pantry



Length 12.60m Width 22.00m Area 210m<sup>2</sup>



### Two-Storey Beauty

Beautifully proportioned, this 259m² two-storey Lockwood fits perfectly on its sloping urban site. The mix of VG Pine and low maintenance aluminium cladding break up the look of the exterior. The addition of Schist stone features and black corners add texture and contrast.

The upper floor of this home contains the main living areas, kitchen and four bedrooms. Downstairs is a double garage, large rumpus room and bathroom, a perfect retreat for teenagers.

Clerestory windows throughout the living space and bedrooms add a sense of luxury to the home's interior while offering an abundance of natural light.

The real showstopper in this home is the large kitchen and cleverly included scullery, open yet tucked in behind high cabinetry. The statement black finish feels warm and luxurious with the addition of textured splashbacks and gold handles.

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I've always loved Lockwood homes; I remember regularly holidaying in a 1970s Lockwood home in Taupo as a child and have such fond memories of that bach. Our home now evokes those same feelings and memories of my childhood – homeliness, familiarity and safety, although with a modern twist.

- P. Markham-Barrett











Length 17.01m Width 11.04m Area 259m<sup>2</sup>





### Pugh's Beach House

When the Pugh family first arrived in New Zealand from England nearly 30 years ago, the stunning Papamoa Beach coastline captured their hearts. After 10 years they purchased a site less than 100m from the beach.

In 2020, the family decided to decommission the relocatable cabins on the site they had been using for many summer holidays. They had a dream to finally take advantage of the long-awaited sea views that an elevated, two storey home would offer.

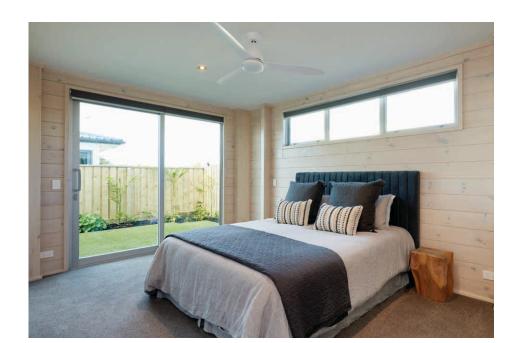
Deciding to have their living space on the top floor to make the most of the 180-degree sea views was one of the key design features for Jo and her husband, Steve. They also wanted the top floor to be completely open plan allowing the extended family to be able to gather. A purpose-built bunk room for the grandchildren was included in the design brief with a rumpus room downstairs for kids to play or for adults to enjoy some quiet time.

The Pughs wanted a house that would last for generations, and they knew a Lockwood would stand the test of time. Jo says the house has exceeded their expectations, and the process of building with Lockwood and Seaside Homes was exceptional.



We wanted a fun house where we can all come together, where the grandkids can play and where we don't have to worry about sandy feet! Lockwood met that brief – with aluminium on the exterior and blonded wood inside, we will never have to spend our time painting. Instead, we can enjoy the house for what it's intended for; to relax together as a family and enjoy the stunning home and views. Thanks to our wonderful team at Lockwood, they have created the legacy that we set out to achieve and a home that will be enjoyed for many years to come.

- Jo Pugh





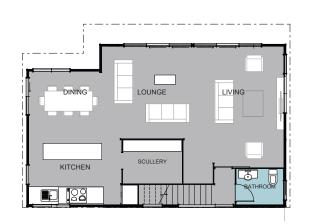


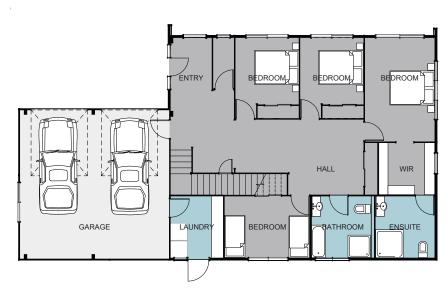






Length 19.67m Width 10.91m Area 277m<sup>2</sup>





# **Rural Lifestyle with Views**

Length 21.14m Width 25.92m Area 283m<sup>2</sup>





## Rural Lifestyle with Views

The homeowners of this rural site North of Tauranga first built with Lockwood over 20 years ago. Although they loved the home they wanted to modernise, and have all the thermal performance benefits that a modern home offers. There was a big advantage to living on the property for so long; the homeowners understood the sunlight, the wind, contours, and views the property offered throughout various seasons.

The time spent living on the site afforded the homeowners plenty of time to plan how they would use the home, until they had a clear vision of what they wanted in the build. They worked through the design process with their local Lockwood Contractor, Seaside Homes, to refine the floorplan. The result is a stunning 283m² home, full of carefully planned details with a design that captures the light and surrounding rural vistas.

The dining and lounge area extends into an al-fresco living space with a large, covered deck, leading to the landscaped garden and providing access to the block basement with a wine cellar and sauna.

Pops of colour in the kitchen and scullery contrasts beautifully with the natural timber tones. The study is a multi-purpose space, with a Tiltaway bed cleverly hidden in the wall for when extra guests come to stay.

The homeowners are delighted with their home which won Gold in the 2021 Regional Master Builders awards.

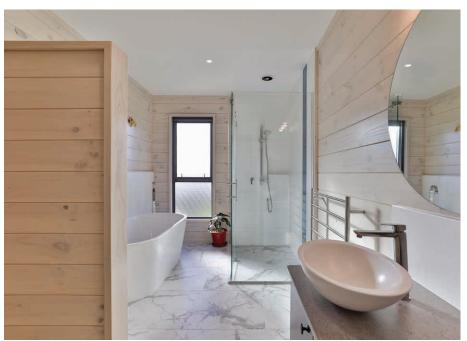
66

"This is actually our third Lockwood home, we've always loved them, however this time we opted for a bespoke design and build option to ensure the design fitted exactly with our needs and to ensure we took advantage of our commanding view."

- N. Niederer, Tauranga

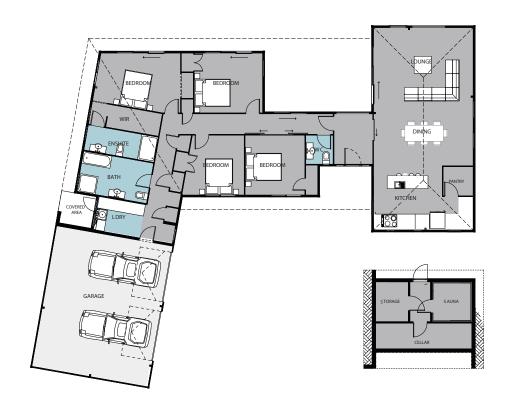
22







Length 21.14m Width 25.92m Area 283m<sup>2</sup>















### Webster Family Home

This was the first Lockwood home the Websters built, though they had dreamed of doing so for a long time. Inspiration for the design of the home came from an existing Lockwood plan which they modified to suit their needs and make the most of their outstanding outlook over the Coromandel coastline.

Making the most of the panoramic views was important, but boundary restrictions required careful planning. The Websters also had antique furniture and worked closely with their Lockwood Contractors, Coastwood Homes, to plan where these items would fit before the design was finalised.

The result is a floor plan that fits within an arrangement of four intersecting rectangles. Gable rooflines add form to the exterior and allow for signature Lockwood raking ceilings and gable-end windows above the living and master bedroom wings.

A sizable al-fresco space with a Louvretec roof, barbeque, and outdoor fireplace offer outdoor entertaining that the Websters have already enjoyed all year round. Plenty of storage was also included in the design along with an office for the Websters, who are busy dairy farmers.





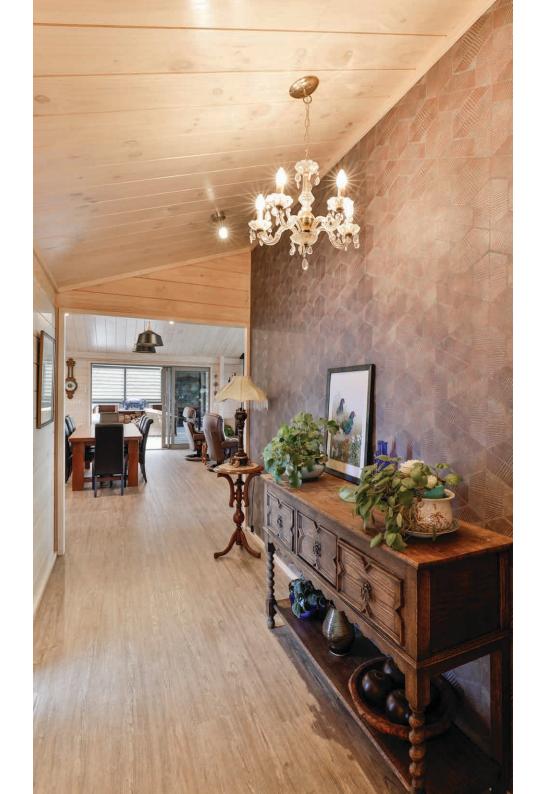
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"We love our Lockwood. The view out the bedroom is different from anywhere in the house; it's lovely to wake up to in the mornings"

- B Webster

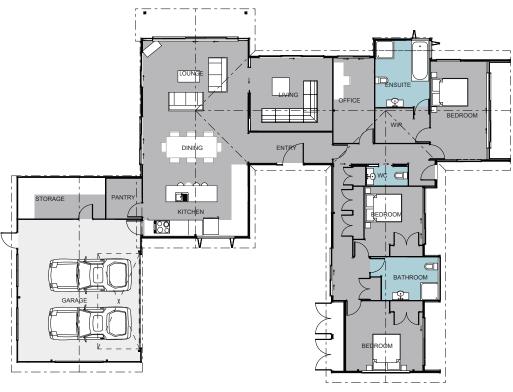








Length 28.24m Width 18.56m Area 302m<sup>2</sup>

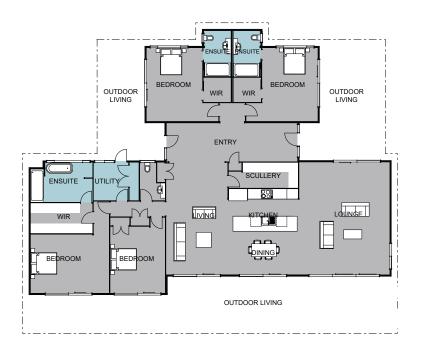












Length 25.90m Width 18.92m Area 321m<sup>2</sup>

4 Bedrooms 2 Living Areas

3 Bathrooms + WC



## Peka Peka Holiday Home

These high-end design conscious clients had a vision of achieving sophisticated yet understated luxury for their holiday home. Bountiful use of natural schist stone, polished concrete floors and the inclusion of multiple skylights, all blend seamlessly with blonded Lockwood timber and high clerestory windows, this 321m² home is undoubtedly a testament to their vision realised.

As well as being glamorous and welcoming within, this home sits beautifully on the land on its Peka Peka site and nestles in to

the landscape. There are three elements to this plan; a master bedroom with walk in robe, ensuite and a large study connecting through to the utility, kitchen, scullery, living and lounge areas.

With inspirational interior features in every room, and design that perfectly frames the magnificent vistas on the horizon, the finished product is truly a sight to behold.





"We are thrilled with our new home and very thankful to the Tuohy Homes team for such a pleasant, considerate and professional experience."











### Crang Family Home

The Crang family had worked with an Architectural Designer, Jenny Walter, to develop a floorplan that made the most of their site, had room for large family gettogethers, and more private spaces for adults and children to spend time apart. They brought their architectural plans to their local Lockwood Contractor, Coastwood Homes who took them through the consent process and built the family holiday home on the waterways.

As you enter the home, you can see right through to the waterways beyond, hinting at the superb indoor-outdoor flow this design achieves. Sliding stacker doors from the second living space, bedroom, and hallway open on to a large, covered al-fresco area for all-weather entertaining. There is plenty of room for family and friends with two bedrooms and a bunkroom sleeping eight downstairs. The home's upper floor with bedroom, ensuite, and office is a private oasis away from bustling family life.

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Coastwood Homes were fantastic to deal with. Ours was probably not the most straight forward of homes but nothing was ever a problem – communication was top notch & we ended up with a home better than we could have imagined. We recommend Lockwood Homes & Coastwood Homes to anyone wanting to build. We'd do it all again in a heartbeat.



Length 17.62m Width 23.09m Area 328m<sup>2</sup>

4 Bedrooms 2 Living Areas 3 Bathrooms

3 Car Garage Walk in Pantry





# Accessible quality living











#### Accessibly designed for quality living

Ken and Faye's home building journey started by visiting a Lockwood show home. They demolished a rental property on their Cambridge site to make way for thier bespoke design and build. They needed the home to be accessible for Ken, a wheelchair user. Having a stylish home, which did not compromise on design aesthetics or represent a "disability home" yet still deliver low maintenance and durability, were key drivers for their decision to build with Lockwood.

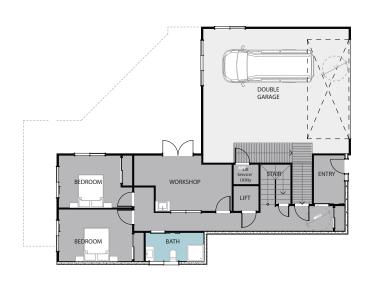
The lower level of the home contains a therapy room, a spacious level entry bathroom, a bedroom, and an all-important workshop for Ken.

Both levels are accessed with a lift, making for easy mobility between the open plan living area upstairs and connecting seamlessly with the level entry and gardens below.

The Lockwood architectural designer captured Ken and Faye's vision and specific living requirements and also brought design flair which exceeded their expectations. Faye says that when people come to visit them or view their home they are extremely complimentary, saying "we could live here" – which in their opinion, says it all.







Length 18.15m

Width 24.90m

Area 357m<sup>2</sup>



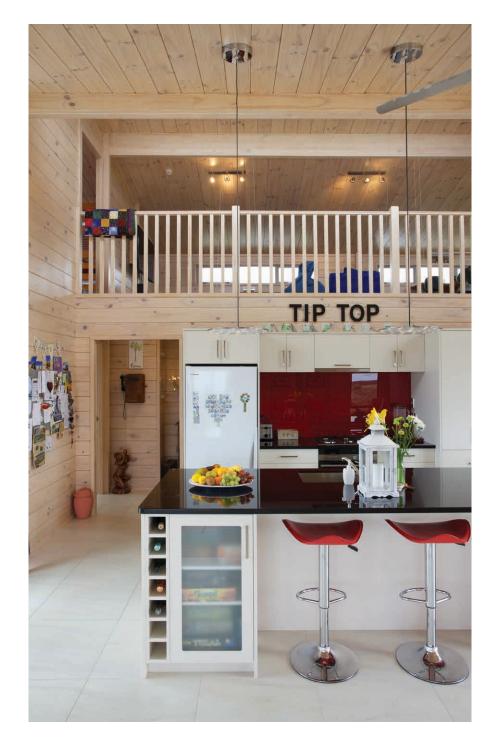




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# Concept Plans

The following pages showcase some of our popular concept plans including some of our timeless classics. The plans are an excellent starting point for the design of your dream home. Each of the plans can be modified to suit your site and individual requirements. Perhaps you need an additional bedroom, a second living space or to add storage, or change the aspect of rooms to suit the view. Anything is possible when you build with Lockwood.



#### Lakeview

This 70m<sup>2</sup> home offers a lot on a small footprint. A high raking ceiling and extra high joinery provide an open, airy living space filled with light. The Lakeview has two double bedrooms, both with built-in wardrobes, and would be perfect for a downsized retirement living, a second dwelling or a holiday cottage that gives visitors a luxurious, private space.

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"Thanks for all of your support throughout the building of my lovely wee Lakeview home. It feels as though we've been here forever and we love it."

- N Van-Boven



2 Bedrooms





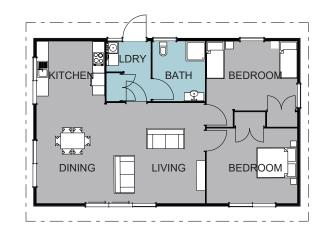
🖞 1 Living Area

Separate Laundry

Length 6.64m

Width 10.54m

Area 70m<sup>2</sup>









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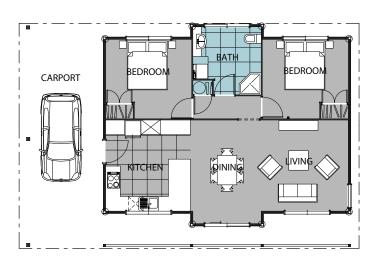


#### Pukeko

Split into two halves, the compact Pukeko is an excellent option for a second dwelling or a small getaway pad. An open plan kitchen, dining and living area with sliding stacker doors and ranch sliders create excellent indoor-outdoor flow. A small hallway offers privacy for the two double bedrooms and access to a generous bathroom. High sarked ceilings enhance the feeling of space in this home.

Length 10.13m Width 7.23m Area 73m<sup>2</sup>

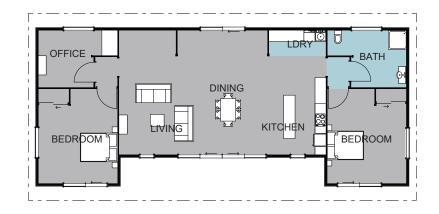






#### Vacationer

The compact Vacationer is simple yet functional. This design wastes no space, with two double bedrooms and a single bedroom or office separated by an open plan living area. The smaller third bedroom or office could be changed to a second bathroom, and the laundry area could become a scullery, which would make an ideal holiday cottage.



Length 15.60m

Width 6.60m

Area 99m<sup>2</sup>







1 Living Area









#### Motiti

Innovative and stylish, the Motiti fulfils the role of a leisurely holiday home or a design suited to everyday family life. A very generous main bedroom includes a walk in robe and ensuite. The practical open-plan living, dining and kitchen features bi-fold doors giving the home excellent indoor-outdoor flow.





2 Bathrooms

Separate Laundry

Walk in Pantry



Length 16.30m Width 7.84m Area 120m<sup>2</sup>















#### Al-Fresco

The Al-fresco is perfect for contemporary living. Skylights fill this interior with light and enhance the sense of wellbeing this modern home delivers. The clever inclusion of the al-fresco outdoor dining area is well positioned to the kitchen for entertaining. The main bedroom suite is situated at one end of the home giving peace and privacy from the additional two bedrooms. A dedicated entry, separate laundry and toilet make this a comfortable family home.

Length 19.97m Width 7.06m Area 126m<sup>2</sup>





2 Bathrooms + WC Separate Laundry













#### Verandah

You will find plenty of space for living in this roomy three bedroom, two bathroom home.

Sliding stacker doors open all three bedrooms and the living area to the outdoors, with wing walls adding shelter and privacy to the long frontage of this design. Additional sliding stackers at the back of the living area create a pleasing sense of indoor-outdoor flow throughout the home.



3 Bedrooms

1 Living Area

2 Bathrooms

Separate Laundry

Length 20.60m Width 7.90m Area 127m<sup>2</sup>





#### Waiheke

The Waiheke design was developed with holiday living in mind. The monopitched roofline allows for high windows across the front of the home, maximising light into the living area. Ranchsliders off the living room and two bedrooms open onto covered patio areas and offer the outdoor living space essential for any kiwi bach.

Length 14.44m Width 11.64m Area 131m<sup>2</sup>









## Lifestyler

The Lifestyler is one of our most popular homes, bringing together in perfect harmony an abundance of natural light, indoor-outdoor flow and warm comforting spaces.

Length 20.30m Width 6.64m Area 131m<sup>2</sup>







#### Riverview

The Riverview is a great example of a modern family home, with everything you need for comfortable living. The simple exterior of the Riverview design makes it a cost-effective option and only hints at the interior layout, which packs a lot into the  $142m^2$  footprint. Four bedrooms, two bathrooms, a large scullery, separate toilet and a generous laundry make the Riverview an ideal design for family living.





Length 20.34m Width 7.36m Area 142m<sup>2</sup>

4 Bedrooms 1 Living Area 2 Bathrooms + WC

Separate Laundry Walk in Pantry









#### Acacia

The Acacia is a contemporary home featuring two distinct halves. A dedicated entry home provides access to two generous bedrooms, a bathroom and laundry and through to the open plan kitchen with separate scullery, dining and living spaces. A mono-pitch roofline allows for high clerestory windows bringing in plenty of natural light. The main suite is found at the end of the home with a surprisingly large ensuite tucked behind the walk-through wardrobe.

Length 18.4m

Width 8.5m

Area 148m<sup>2</sup>

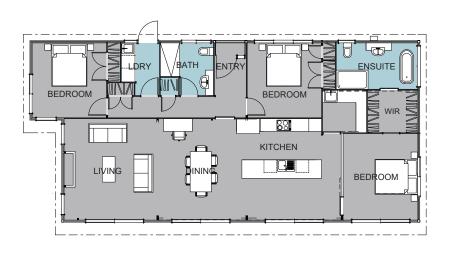




1 Living Area



Separate Laundry







### Madrid

The Madrid is a welcoming family home designed for entertaining. The sense of space in the central kitchen and dining and living area is enhanced by the high vaulted ceilings above. A second family room can be closed off to use as a media room or a children's play area making the home ideal for families while the main bedroom with ensuite and walk-in robe offers a welcome retreat after a hectic day.





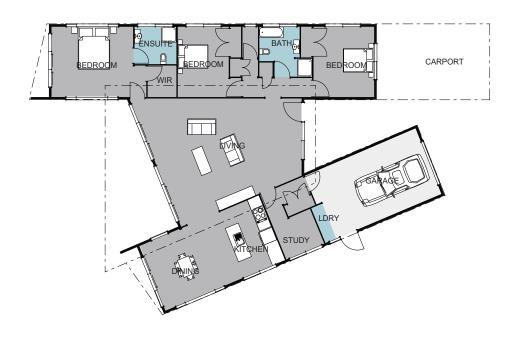


### Vista

The Vista is an iconic concept home immediately recognisable from its soaring central roofline and two splay wings. Based on the "Canopy", a design in collaboration with Architect Pete Bossley, the living area is the heart of this home. One wing contains the bedrooms while the other a kitchen and study, garage, and laundry. Many iterations of the Vista have been built for clients, often choosing to turn the garage into a fourth bedroom or rumpus room.



Length 23.82m Width 14.85m Area 165m<sup>2</sup>









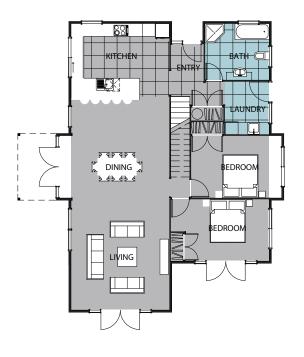
1 Car Garage

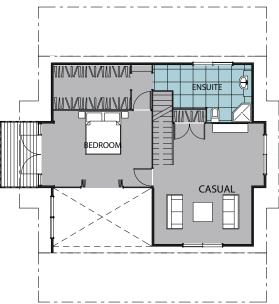


2 Bathrooms









## Wanaka

Likely the most classic of Lockwood plans, the Wanaka is still a popular choice for many clients. The impressive mezzanine floor offers a private space as the main bedroom suite. A steeply pitched roof and dormer windows add character, while floor to ceiling windows flood the living space with light. Wide eaves offer shelter from the weather and create protected outdoor areas.



Length 13.55m Width 9.44m Area 184m<sup>2</sup>



### Phoenix

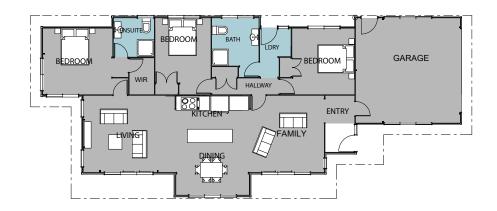
The compact Phoenix design is ideal for smaller urban sites. It combines best of contemporary, minimalist design with outstanding indoor/outdoor flow from the two living areas and main bedroom. Three generous bedrooms, two bathrooms and separate laundry ensures comfortable living for families or when extended family and friends come to stay.



Length 17.61m

Width 10.27m

Area 188m<sup>2</sup>





3 Bedrooms



1 Living Area



2 Bathrooms

Separate Laundry

# Ruapehu



## Ruapehu

The Ruapehu is an entertainer's delight. Sliding stacker doors open out onto the wrap around decks from the kitchen, living and dining spaces. A fireplace in the living room has the option to be double sided, offering warmth for outdoor entertaining. This comfortable family home includes a separate laundry, dedicated entry, and study. Clients have often extended this well-designed plan to include a scullery, fourth bedroom and media room.









3 Bedrooms



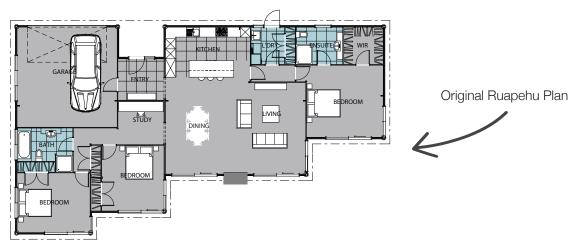


Separate Laundry

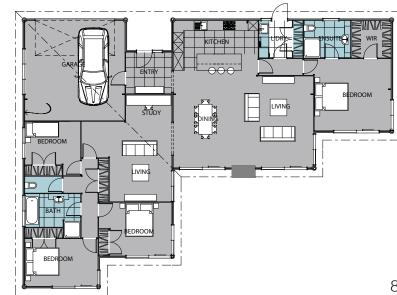
Length 12.60m

Width 22.00m

Area 210m<sup>2</sup>







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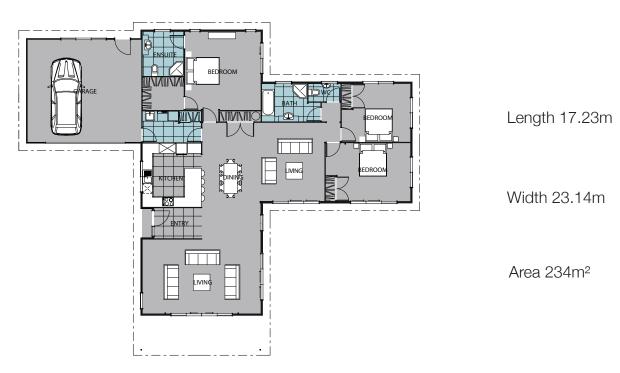




#### Endeavour

Cosy and charming, the traditional floorplan of the Endeavour delivers generous room sizes in a T-shape layout. If your site has views, the Endeavor could be a great option as it can be positioned so the living areas and bedrooms all enjoy the outlook.



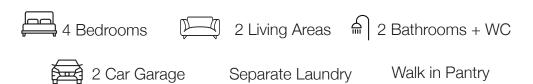






#### Waimana

With the main bedroom suite at one end of the house and family bedrooms at the opposite end, the Waimana could be the perfect solution for a family of tweens and teenagers. There is also the added bonus of a second living area or media room, separate toilet, laundry and dedicated entry.





Length 16.13m Width 26.90m Area 249m<sup>2</sup>

# Carribean

Length 18.15m Width 24.90m

Area 254m<sup>2</sup>







#### Carribean

Another Lockwood Classic. The Carribean celebrates traditional Lockwood design with lofty timber ceilings and stunning interior beam details. This home lends itself to wide open sites, creating a delightful, sunfilled haven with maximum indoor-outdoor flow. This luxuriously sprawling home has plenty of room for everyone to stay with four bedrooms and two living areas. Modified designs have included a separate laundry and extended living spaces.







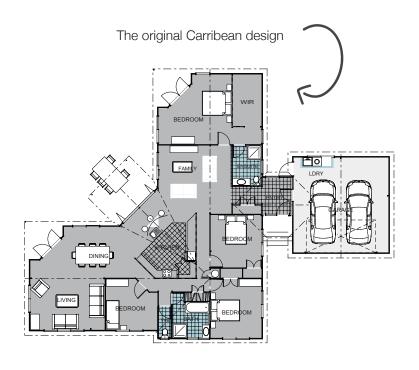


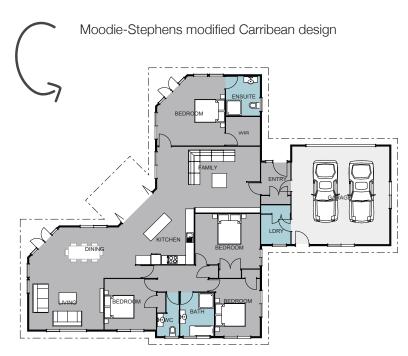


2 Car Garage

Separate Laundry

Length 18.15m Width 24.90m Area 254m<sup>2</sup>







## Rooflines

The shape of a home's roof plays a major role in defining the overall look and style of a house.

Although there are numerous types of roof design, the three most common shapes in New Zealand homes are the hip roofline, the gable roofline, and the mono-pitch. Each has their advantages and each design will also impact the interior look of the home. A hip roofline is the most cost effective. A gable roofline allows for gable end windows to bring additional light into the interior, while a mono-pitch design may have clerestory windows that do the same.

To show how different rooflines can dramatically change the aesthetics of your home, look at the examples below. Both the Clarence and the Middlemarch have similar floorplans but look completely different from the exterior. Similarly, the Te Rakau with a mono-pitch roofline, looks much more dramatic than with a hip roofline, yet has the exact same floorplan.













# **Our Story**

Our story started in 1951 when founders Jo La Grouw Snr and John van Loghem developed the first solid wood character homes. Their patented Lockwood Building System soon revolutionised the building industry, locking timber boards together with aluminium x-profiles.

From day one, structural integrity and aspirational design went into every Lockwood, establishing our lasting reputation for homes of outstanding quality.

Over the years our company has continually refined our products with technical innovations and contemporary architectural design. That's why Lockwood homes are built quickly and efficiently, and are CodeMark certified. The Lockwood name has become synonymous with quality high-performance buildings. We've built our reputation by creating homes and commercial structures on a simple foundation: Lockwood is designed for good. Engineered from locally sourced timber, every Lockwood with every is thoughtfully designed and meticulously engineered right here in New Zealand.

Lockwood is still proudly family owned with Jo's grandson Andrew La Grouw at the helm. With more than 50,000 homes delivered locally and internationally, our unique construction system has certainly passed the test of time.

## The Lockwood Building System



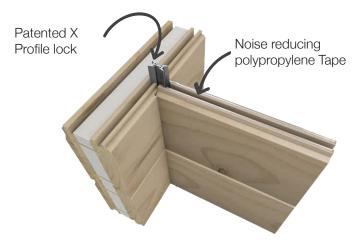
#### External Insulated Board

The Lockwood 107mm external insulated wall system has been rated with an R-Value of 2.1, well above the requirement for solid timber buildings in New Zealand. This rating is achieved with the use of a foam insulation which has been pressed between solid timber wall components.

With minimal connection between the internal and external elements, there is little heat loss in the building envelope.

#### Patented X-Profile

The Lockwood building system is unique. Solid timber boards and aluminium profiles are locked together by our patented x-profiles rather than nails. The result is a strong versatile building system.



#### Vertical Tie Rod

Lockwood homes are braced against extreme weather events and earthquakes by tie rods. The steel tie rods are installed into the pre-drilled internal and external walls.



#### Low Maintenance, High Durability



Our advanced extruded aluminium sheathing is coated with coloured polyester resin which provides a long-lasting finish. Mechanically pressed onto the engineered profile of the exterior boards, the aluminium cladding looks good for years, and means Lockwood buildings don't need frequent painting.







# Good for our planet

Lockwood homes are built from sustainable radiata pine, a natural, renewable, and biodegradable product. Wood is the Earth's most renewable raw material and the only major building material that helps tackle climate change challenges. The production and processing of wood also uses much less energy than most other building materials, giving Lockwood solid timber homes a significantly lower carbon footprint. Since 1951 we have sourced local products and raw materials wherever possible minimising transport emissions.





## **Thermal Performance**

To ensure New Zealand homes are fit for purpose, they must have adequate insulation for their location. The requirements vary for different parts of the country and are governed by the New Zealand Building Code.

Lockwood's exterior wall system comprises a tight sandwich of solid timber and foam insulation which offers excellent thermal performance. Buildings that use conventional timber framing and insulation have areas of high thermal bridging, inconsistencies and weak points that allow heat to escape. The Lockwood system minimises thermal leakage with solid corners and insulation in every part of the exterior wall.

Thermal mass is another important factor in ensuring your home stays warm and dry. Homes built with materials with high thermal mass require less energy to heat, cool and ventilate. Solid timber homes, such as Lockwood have higher thermal mass than conventional timber framed homes. Unlike concrete or plasterboard, timber also has the ability to "breathe", absorbing moisture and regulating temperature. This ensures a Lockwood home is naturally easier to heat, cool, and ventilate.

Updates to the NZ building code will require higher insulation values for walls, floors, and ceilings from November 2022. The Lockwood exterior wall system already exceeds these requirements, and we are easily able to accommodate the additional ceiling insulation and thermally broken joinery required for the updated regulations.

We are committed to the continuous improvement of our building system to deliver high-performance homes. You can be assured that your Lockwood home will always be designed and built to meet, and often to exceed, the minimum building code requirements for thermal performance.







# Contact us to start your home building journey today!

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