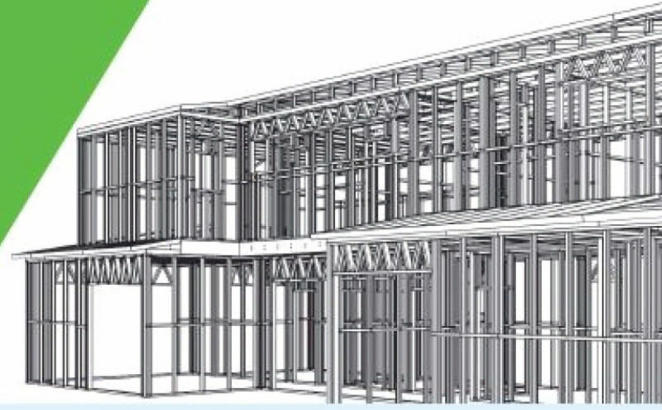




STEEL FRAME  
SOLUTIONS



## ABOUT US

**Steel Frame Solutions** designs and manufactures LGS (light gauge steel framing) for all Residential and Commercial projects based in Auckland. All the framing we produce comes with a 50-year durability statement. With Steel Frame Solutions using their Light Gauge Steel system, we offer a smart alternative solution to conventional timber framing. We fabricate using NZ designed roll formers along with the most advanced flexible design software system available in the world today. This combined with our vast onsite knowledge enables us to combine all these elements together to produce designer wall frames, roof trusses, floor joists, and facade panels quickly and accurately.

With our broad experience in residential and commercial construction, we offer innovative and affordable solutions to your challenges.

We manufacture for all segments of the building industry, including investment housing, low-cost housing, high-end bespoke homes, apartment multi-

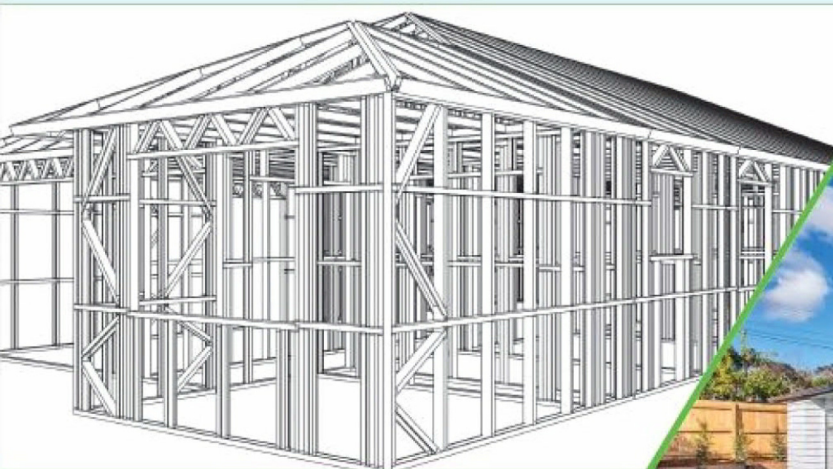
residential, kit homes, tiny homes, transportable homes and even commercial fit outs.

Residential builders appreciate the lightweight frames being faster and easier to erect. For example, a 7.5-meter wall frame can easily be carried and installed by two men, roof trusses can be lifted into place by hand.

Commercial builders love the reduced program times available by using Light Gauge Steel for their multi-story residential projects, with fewer trades on site and faster erection times.

Facade and cladding experts can expect extremely accurate frames and sub-assemblies in some pretty outrageous shapes.

Everyone recognizes the advantages of eliminating waste and mess on site, our product is 100% recyclable and NZ made, **A TRUE ALTERNATIVE SOLUTION TO TIMBER.**



[www.steelframesolutions.co.nz](http://www.steelframesolutions.co.nz)



# Peace of Mind: 50-Year Durability Statement

Axxis® steel has been developed and tested by New Zealand Steel, for New Zealand conditions. Galvanised with a 100% zinc coating for protection, it is backed by a 50-year Durability Statement, so you can trust that Axxis® steel will stand the test of time.



## Better Structural Strength

As steel has the highest strength to weight ratio of any building material available, it is by nature a superior construction material.

Steel is lighter, stronger and straighter resulting in dynamic designing and labour cost savings.

A steel framed home will always have straight walls and square corners. Over time there will be no aggravating nail pop ups or drywall cracks. Steel framing can take popular finishes like brick, stucco and stone among others.

## Better Fire Protection

The most frightening aspect of a house fire is the speed with which it can spread, a factor that's multiplied many times over with wood framing as fuel.

Steel will not contribute to a fire as fuel. If a fire does start in a steel-framed home, it's less likely to spread from the area of origin. Using steel can limit tragic loss from fire.

## A healthy home

Axxis® steel is non-allergenic and has been recognised by the Asthma Foundation of New Zealand as a 'Sensitive Choice'. Axxis® steel doesn't support mould growth or rot, and its stability gives it the potential to reduce cracks in claddings and linings. Axxis® steel does not contain additional preservative chemicals and won't give off gases or emit VOC's.

## Better for the Environment

An average sized wood framed home requires at least 40 trees to be cut for framing. The framing for a typical steel framed home can be made from just a handful of recycled cars. The use of steel framing saves our nation's forests and has a positive impact on the environment.

Because steel-framing is unaffected by temperature or humidity changes, a steel framed structure is more energy-efficient, thus saving on fuel costs. The lower energy consumption helps to further conserve our natural resources.



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# WHY STEEL

If you're involved in the residential home construction industry, you will know what impact down-time and custom changes have. You know that down-time due to poor weather and lost time caused by the need for custom modifications will affect your budget, delivery – and your reputation.

Imagine though if you could reduce the impact of these events, use termite-proof framework, and build more easily on sloping sites – for every home you build. The good news is that now you can, with steel framing from Steel Frame Solutions.

Build in framing made from lightweight steel saves:

- time – as the custom built panels come pre-constructed and work can continue even in bad weather.
- labour – as fewer tools are required on site to assemble the custom built steel frame panels.

## **Saving on both of these saves you money.**

Sloping sites can bring with them a host of challenges that in the past have required a lot of expensive and time-consuming on-site custom work. But because our steel frames are lightweight and built to specification, they are increasingly chosen as the ideal option for those building on sloping blocks.

## Why Choose Steel Frame Solutions?

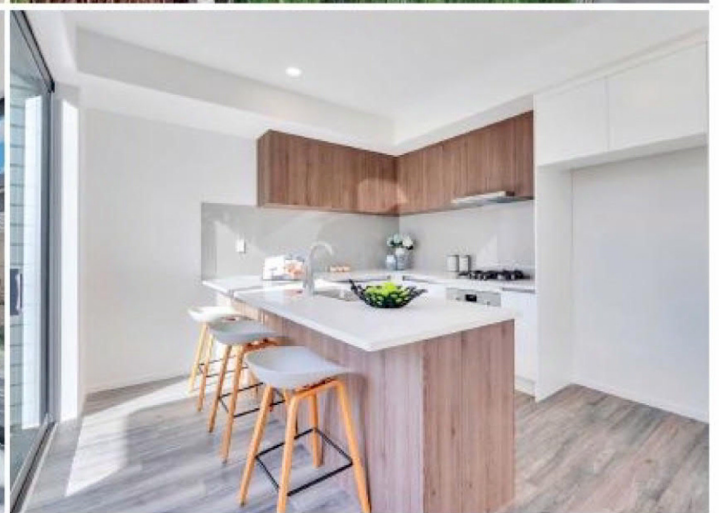
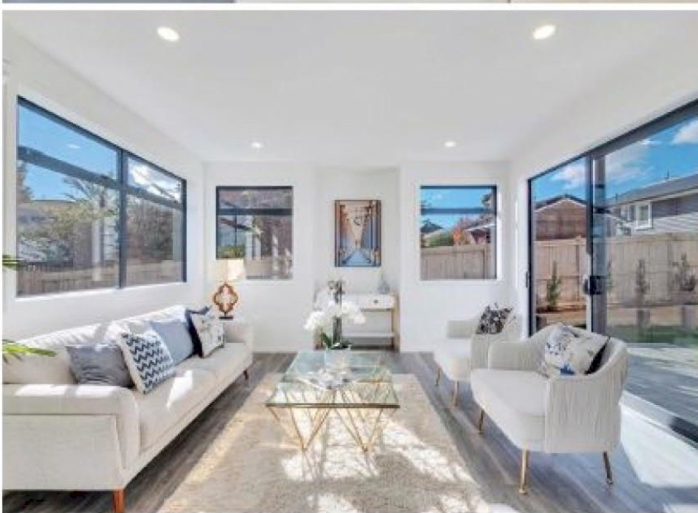
- Our steel framing allows for faster build times and more accurate construction. Faster and easier construction means happier customers, sooner.
- A major cause of down-time in any building project is bad weather and the use of steel framing means construction can continue even in inclement weather
- Forget about nail guns, and lugging timber.
- Steel trusses and steel roofing panels reduce labour costs because they have straightforward assembly – only requiring a battery operated screw driver.
- Steel frames are termite proof!
- Being lightweight and pre-constructed into panels means steel trusses can be used in projects such as kit homes because they can be flat-packed and shipped. This allows the steel framing advantages to extend into many more residential home building projects, all across the country.
- Steel Frame Solutions delivers durable, strong, lightweight quality New Zealand-made steel frames for both residential (modular, medium density, or stand alone) and commercial building projects.
- We work closely with our structural engineer Consultant. All our framings are designed and inspected by professional engineers to ensure Building Code compliance in all aspects. Every project of Steel Frame Solutions are covered by third party engineer's producer statements PS1 and PS4.
- We can provide architects and engineers who specialise in light gauge steel framing which **SIMPLIFIES THE BUILDING CONSENT PROCESS.**

### 5 GREEN Facts About Our STEEL

- Less transportation and construction time = reduced carbon emissions
- Fewer materials are needed because steel has the highest strength to weight ratio
- 650 million metric tons of steel are recycled every year
- Steel has a potentially never-ending life cycle that reduces production waste
- Design flexibility makes adding efficient insulation and solar panels easy



This is what Light Steel Frame Homes look like



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