ABOUT US

Based in Picton and now with our new branch in Christchurch, The Silver Frames Company is a progressive light weight steel manufacturer specializing in detailing and manufacturing of wall frames, roof trusses, floor joists and façade panels throughout New Zealand. Our frames will work for residential housing, commercial buildings, tiny houses, cabins, garages, schools, storage facilities and apartment duplexes. Using the latest 89mm and 150mm FRAMECAD Roll former machines along with a state-of-the-art FRAMECAD Structure design software, The Silver Frames Company team can produce up to 400m of framing per hour making us one of the most advanced and efficient frame and truss suppliers in New Zealand.

WHY CHOOSE OUR LIGHT GAUGE STEEL FRAMING?

COMMERCIAL

Our frames are perfect for commercial fit-outs. They can be delivered as sticks to building sites where access is usually very restricted and can be assembled on-site in no time. Our design software allows us to create “pockets” giving us the ability to get around any existing beams, posts, pipes and so on, making it easy for builders to erect without wasting any time cutting and/or adding material.

RESIDENTIAL

Residential builders will love the fact that our frames come pre-assembled and can be easily handled on-site. Our team of experienced detailers with years of building knowledge, will design frames to suit all cladding specs and make sure that builders have fixing points all around the structure and pre-punch services holes for plumbers and electricians, reducing a lot of on-site labor.

TINY HOUSES

Our steel frames are up to 75% lighter than wood frames, giving our clients the possibility to build large tiny homes, keeping the overall weight of the structure under the maximum 3.5 Ton allowance.

Peace of Mind: 50-Year durability Statement

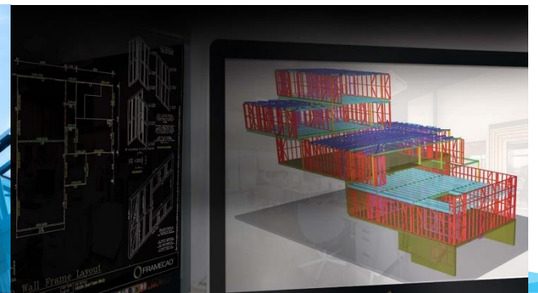
We use Axxis® steel, that has been developed and tested by New Zealand Steel, for New Zealand conditions. Galvanised with a 100% zinc coating for protection, it is backed by a 50-year Durability Statement, so you can trust that Axxis® steel will stand the test of time. Please contact us for a copy of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

A healthy home

Axxis® steel is non-allergenic and has been recognised as a 'Sensitive Choice' product. 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.

Axxis® STEEL FOR FRAMING

SENSITIVE CHOICE



STRUCTURAL STRENGTH

Steel has a high strength-to-weight ratio and is strong enough to support large loads and gives it excellent spanning capability, providing more design freedom to cost-effectively create wide, open spaces whilst being lighter than timber for easy handling on-site It’s light enough to reduce the load of on foundations and the strength component of steel is what makes it the ideal choice for multi-storey commercial and residential buildings.

FIRE PROTECTION BENEFITS

The benefits of light steel construction in relation to fire safety are:

- Steel is non-combustible and does not add to the fire load of the building.
- Fire will not spread through ceiling spaces or internal voids as there is not fuel to burn there.
- Fire resistance periods of up to 120 minutes are readily achievable in light steel framing.
- The amount of combustible material in a light steel framed building is much lower than in other forms of construction
- Light steel floors, walls and modules are easily repairable after small fires.
- The fire risk during construction is much lower for light steel framing than for other forms of construction.

LOWER COSTS/HIGHER RETURN ON INVESTMENTS

Cold-formed steel has the highest strength-to-weight ratio of any building system, resulting in a lighter structural frame that can carry the same building loads. Lighter buildings allow the designer to reduce the mass at the foundation, cutting costs for concrete, formwork and equipment.

The predictability and accuracy of steel components speeds up the process and allows follow-on trades to get to work sooner. This delivers time savings compared to other systems. Shorter construction cycles leads to savings in site preliminaries, earlier return on investment and reduced interest charges. Time-related savings can easily amount to between 3% and 5% of the overall project value, reducing the building owner’s requirements for working capital and improving cash flow.

Because steel is an inorganic material, it will not expand or contract with changes in moisture content and consequently remains dimensionally stable. Unintended structural movement with wood framing, such as warping, twisting and shrinking, can have expensive and potentially disastrous consequences on structural, mechanical, and finish systems. Additionally, with the increased emphasis on energy conservation, the long-term effects of shrinkage on the building envelope and building energy and maintenance costs must be considered.

DID YOU KNOW?

New Zealand's ongoing use of toxic agents to treat its residential and horticultural timber supplies and its inability to recycle the treated wood means some 400,000 of tonnes of noxious waste is being dumped in the nation's landfills each year, according to the Ministry for the Environment. This equates to approximately 175,000, 10-meter-high pine trees going to waste annually. The root of the problem stems from the timber industry's reliance on using Chromated Copper Arsenate (CCA) to treat timber. Harmful to touch and classed as hazardous waste on disposal by the Environmental Protection Authority, CCA-treated timber contains several chemicals, including the carcinogenic compound arsenic that is used to protect it from dry rot, fungal and insect infestations.

Steel frame is the solution! Now we can offset our carbon emissions!

HOW CARBON OFFSETING WORKS - Carbon credits come from the growth of new forests and the protection of existing forests from logging. Businesses and individuals buy carbon credits to offset their carbon emissions. This funds forest conservation efforts that create measured, reported and verified carbon benefits. This includes the costs of planting and maintaining a forest, as well as lost income for the landowner that would have come from farming or logging the same land.

The outcomes are:

- **Environmental benefits from sustainable land management, waterways protection, and biodiversity conservation.**
- **Self-sustaining income for landowning communities.**
- **Businesses who are investing in a regenerative future.**

eKOS INVESTING IN NATURE

Gary Knofflock – Managing

Owner of The Silver Frames Company, Gary Knofflock, has been building homes since he was a teenager…in 2014 he learnt of steel framing and upon researching it further, he was sold, and he threw in timber framing once and for all. After meeting with FRAMECAD in Auckland, he gained their upmost respect with his knowledge and genuine interest in the product, to which he then bought a machine and hasn't looked back.

If you're looking for a trusted, honest and knowledgeable team to take on your build, look no further, Contact us today. We'll build it.

hello@silverframes.

8 York Street.

Picton, New Zealand

54 Greywacke Road.

Christchurch, New

John – Branch Manager

+64 21 214 9602

Gary – Managing Director

+64 21 533 461

OUR CREDENTIALS AND SUPPLIERS

www.silverframes.nz

THE SILVER FRAMES COMPANY

STEELING THE FUTURE OF HOUSE FRAMING

NEW ZEALAND'S FRAME AND TRUSS MANUFACTURER

- RESIDENTIAL
- COMMERCIAL
- STORAGE FACILITIES
- SCHOOLS
- GARAGES
- TINY HOMES
- CABINS
- APARTMENT DUPLEXES

TIMBER SHORTAGE BRINGING YOU DOWN? THERE IS NO-SHORTAGE OF STEEL AND THE BENEFITS OF USING STEEL FRAMING WILL BLOW YOUR MIND!!

www.silverframes.nz