



TECHLAM PRE-ENGINEERED GLULAM TRUSSES

NOW UP TO EXTRA WIND ZONE AND 2 kPa GROUND SNOW LOAD!



PERFORMANCE & QUALITY ASSURED SOLUTIONS FOR YOUR BUILDING PROJECT.

Techlam's pre-engineered glulam trusses provide a cost-effective solution for applications across commercial, industrial and residential construction.

PRE-ENGINEERED

Performance is assured through proven engineering principles combined with factory-controlled manufacturing processes that eliminate on-site variables and potential delays.

DESIGN-TO-DELIVERY PACKAGES

The pre-engineered approach streamlines the process from design through to delivery to site providing the choice of a pre-fabricated truss, kitset truss or blank members ready for on-site carpentry.

Your time frame, your price point, your skills - we have the delivery solution.

STREAMLINED COMPLIANCE

The range of pre-engineered trusses are suitable for use within the scope of NZS3604:2011. Where this does not apply, we supply the applicable loads that must be applied.

By completing the sheet's fillable form a project specific PS1 signed by PTL Structural & Fire is created.

Simple, effective and code compliant.

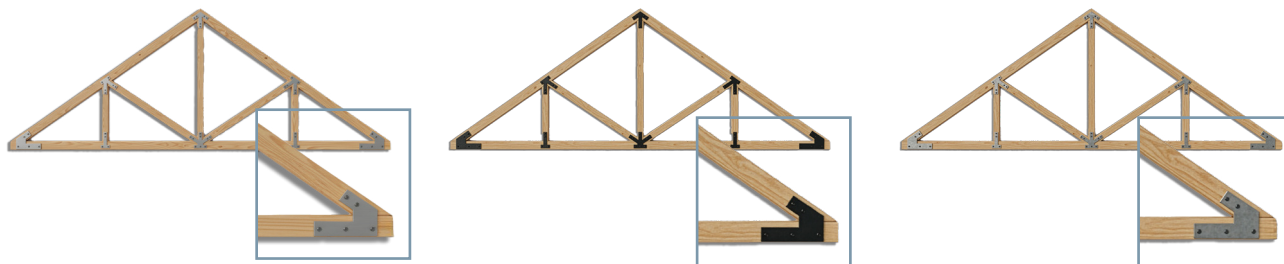




OUR TRUSSES, YOUR PROJECTS.

Techlam pre-engineered glulam trusses can be used up to an Extra High wind zone and a ground snow load of 2 kPa. They are supplied in three maximum spans and with different treatment options. Each span option is available in a range of pitches (20-26° and 26.1-35°) and in different timber species, such as Radiata Pine or Sprucelam, with no reduction in structural performance or delays in delivery.

Crafted using glulam from your chosen species, paired with stainless steel, zinc arc sprayed and powder-coated, or HDG bolts and plates. This provides you with the option of leaving the trusses exposed.



We offer a range of surface finishes:

- Sanded (S): Smooth finish suitable for exposed applications
- Bandsawn (BS): Textured finish for architectural applications
- Planer Gauged (PG): Functional grade for industrial applications
- Utility (U): Standard dimensional accuracy for concealed use



Our range addresses the most common span and loading requirements across a wide variety of applications.


techlam®



FLEXIBLE DELIVERY OPTIONS: PRE-ASSEMBLED OR ASSEMBLED ON SITE

Depending on site requirements, time constraints, or budget, we have the best delivered-to-site options.

Techlam pre-engineered glulam trusses may be delivered to site as:

- **Prefabricated, pre-assembled and ready to install** - complete trusses delivered fully constructed for immediate installation.
- **A kitset comprising fully prefabricated glulam components and fixings** - ready for the on-site construction team.
- **Glulam members only** - ready for the on-site construction team to cut, drill, and assemble.

This flexible approach ensures optimal project efficiency while maintaining our exacting quality standards.



Whether you need rapid installation with minimal site labour or prefer maximum on-site construction control, Techlam offers the solution that best fits your project requirements and construction methodology.





EASY TO SPECIFY SYSTEMS.

Each Techlam truss solution is tailored to the type of building project and is available across a full range of spans and pitches.

Techlam's pre-engineered truss sheet provide an all-in-one specification, covering site-specific PS1s, material requirements, and structural connections. Should the truss scope fall outside NZS 3604:2011, design loads are provided to assist the project engineer with finalising connections to the primary structure.

Once you have selected the appropriate sheet and completed project-specific details, it can easily be included in your plan set, fitting directly into your existing drawings and documentation workflow.

The full list of pre-engineered truss sheets can be found at techlam.nz/products/pre-engineered-trusses.



Visit our website techlam.nz to access our documentation or contact our team to discuss specific project requirements, loading conditions, or customisation options for other applications.





FLEXIBLE SOLUTIONS FOR EVERY PROJECT.

Techlam's pre-engineered glulam trusses deliver exceptional structural performance across diverse applications and environmental conditions.

Our pre-engineered trusses are designed to perform reliably across New Zealand's varied climate and geographical zones within the following range of conditions, including:

- Light & heavy roof claddings
- Up to and including Extra High wind zone
- Up to and including seismic zone 3
- Sub-alpine regions up to a ground snow load of 2 kPa
- Good ground

This comprehensive suite of options ensures your structures meet Building Code requirements while delivering long-term reliability.





OPEN OR ENCLOSED: WE'VE GOT YOU COVERED.

Whether you're designing open-sided pavilions or fully enclosed buildings, our engineered solutions provide reliable, code-compliant performance.

OPEN-SIDED STRUCTURES

Carports, verandahs, porches, covered walkways and portico applications are easily accommodated within our pre-engineered truss solutions. Use our truss/post fully engineered specification, or use our truss-only option and incorporate it into your plans.



ENCLOSED BUILDINGS

Techlam pre-engineered trusses can be simply integrated into a mix of construction types including conventional framed construction methods.



TRUSTED SERVICE & SUPPORT

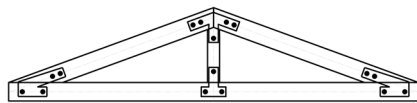
Techlam has a reputation for providing quality glulam products on time, with customer service that ensures a real person is always available at the end of the phone.



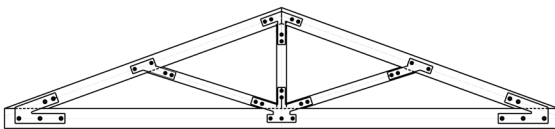
While our pre-engineered options cover most requirements, we offer flexible design support. If you need something unique, we can work with you to design and manufacture glulam trusses to your specifications.

PRE-ENGINEERED TRUSS / PITCH 20° - 26°

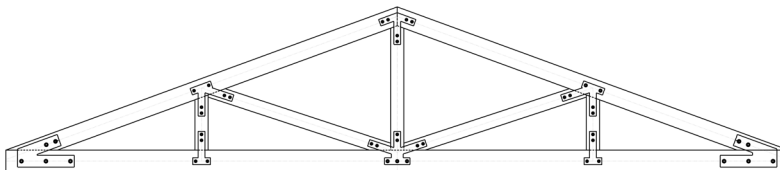
For open-sided (portico) uses the truss options are provided with specified posts and fixings.
For enclosed (interior) uses, specification of the supporting structure is required.



Short Span Truss
1.5m - 3.0m // 20° - 26°



Medium Span Truss
3.1m - 5.0m // 20° - 26°



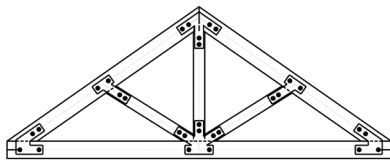
Large Span Truss
5.1m - 8.0m // 20° - 26°

Not to scale

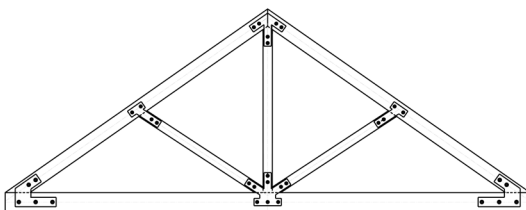


PRE-ENGINEERED TRUSS / PITCH 26.1° - 35°

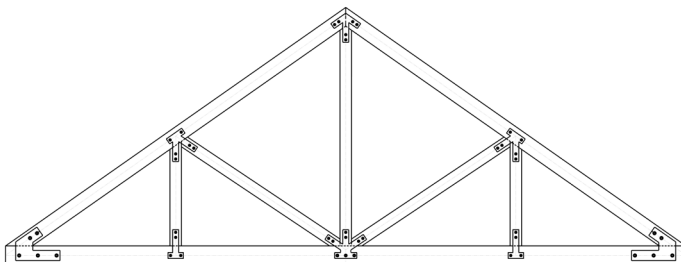
For open-sided (portico) uses the truss options are provided with specified posts and fixings.
For enclosed (interior) uses, specification of the supporting structure is required.



Short Span Truss
1.5m - 3.0m // 26.1° - 35°



Medium Span Truss
3.1m - 5.0m // 26.1° - 35°



Large Span Truss
5.1m - 8.0m // 26.1° - 35°

Not to scale



WORKING WITH TECHLAM

Choosing Techlam means you're partnering with New Zealand's premier manufacturer of structural glulam timber. We bring over 30 years of expertise, family values and engineering integrity to every project.

We provide integrated technical support from concept to assembly for accurate budgeting and build efficiency.

Our manufacturing capabilities stem from operating the country's largest glulam facility, featuring an advanced 6-axis CNC processing line that accurately handles members up to 1,200 mm wide and 500 mm thick, and of virtually unlimited lengths.

This precision supports our state-of-the-art pre-fabrication facilities and craftsmanship, ensuring 100% accuracy in pre-machined components. They arrive ready-to-assemble, which significantly reduces site time, labour and risk.

Our dedication to excellence, reinforced by a strict Quality Management system, environmental certifications and industry awards, guarantees you can build with confidence when partnering with Techlam.





INNOVATIVE PRODUCTS TO STRENGTHEN YOUR PROJECT

Beyond our trusses, Techlam manufactures a wide range of premium, structural glulam products to support your entire build. Techlam Glulam is known for its strength, dimensional stability, and aesthetic appeal in both structural and architectural applications.

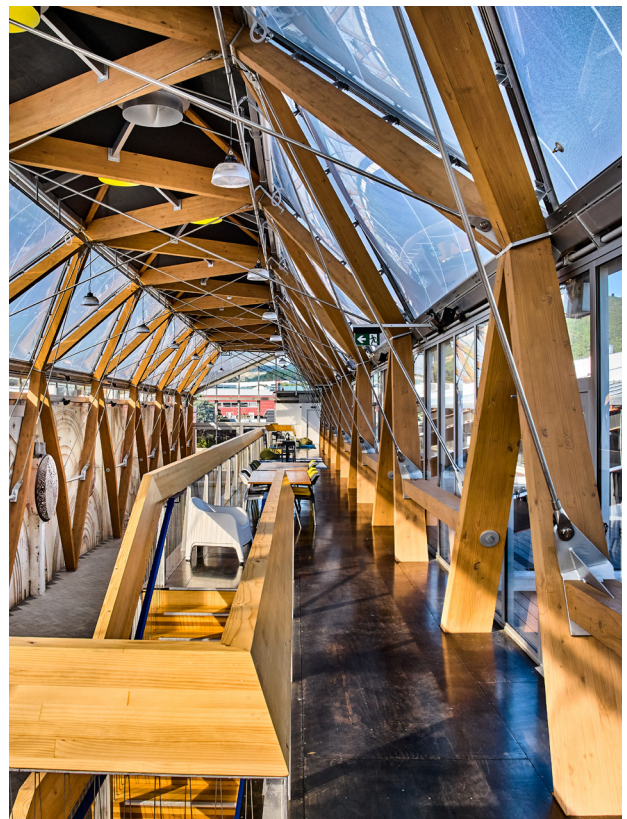
Our other core products include:

- Structural laminated posts and round poles.
- Structural laminated beams and rafters, including large columns and portals.
- Curved elements with complex shapes, including fascia, beams, framing plates, and more.
- Structural laminated flooring solutions.
- Parallel Laminated Timber (PLT) panels.

Our solutions range from standard and pre-engineered components to fully custom-designed solutions.

All products are available in visual and non-visual grades, complete with a selection of finish and coating options.

We provide the advantages of complete pre-fabrication and virtually infinite connection detail possibilities to ensure precision engineering and a smoother, faster build process.





More questions? Contact our team to discuss specific project requirements, loading conditions, or customisation options for applications that fall outside our standard suite of designs.

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