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TECHLAM

PRE-ENGINEERED GLULAM TRUSSES

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.

STREAMLINED COMPLIANCE

Working in partnership with PTL Structural & Fire consultants, Techlam has developed building code-compliant truss solutions that dovetail with primary structure engineering to enable reduced project lead times.

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.

DESIGN-TO-DELIVERY PACKAGES

The pre-engineered approach streamlines projects from design through to completion, delivering rapid outcomes. Each truss design is supplied with clearly stated engineering assumptions and a PS1.

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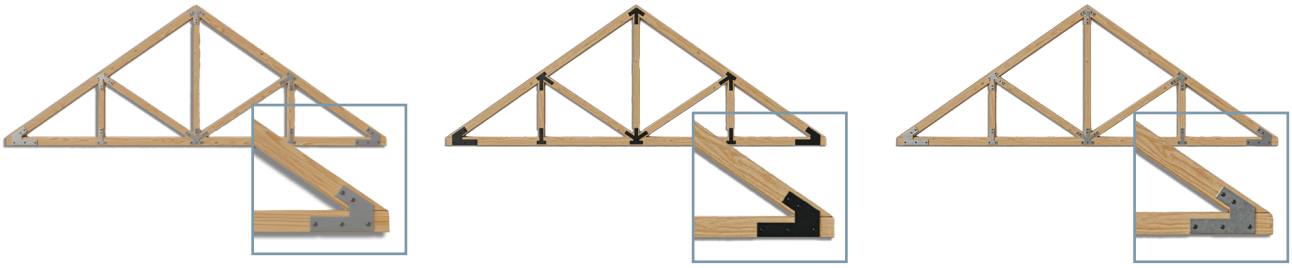
OUR TRUSSES, YOUR PROJECTS.

Techlam pre-engineered glulam trusses 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 with glulam from the species of your choice and with stainless steel, 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.

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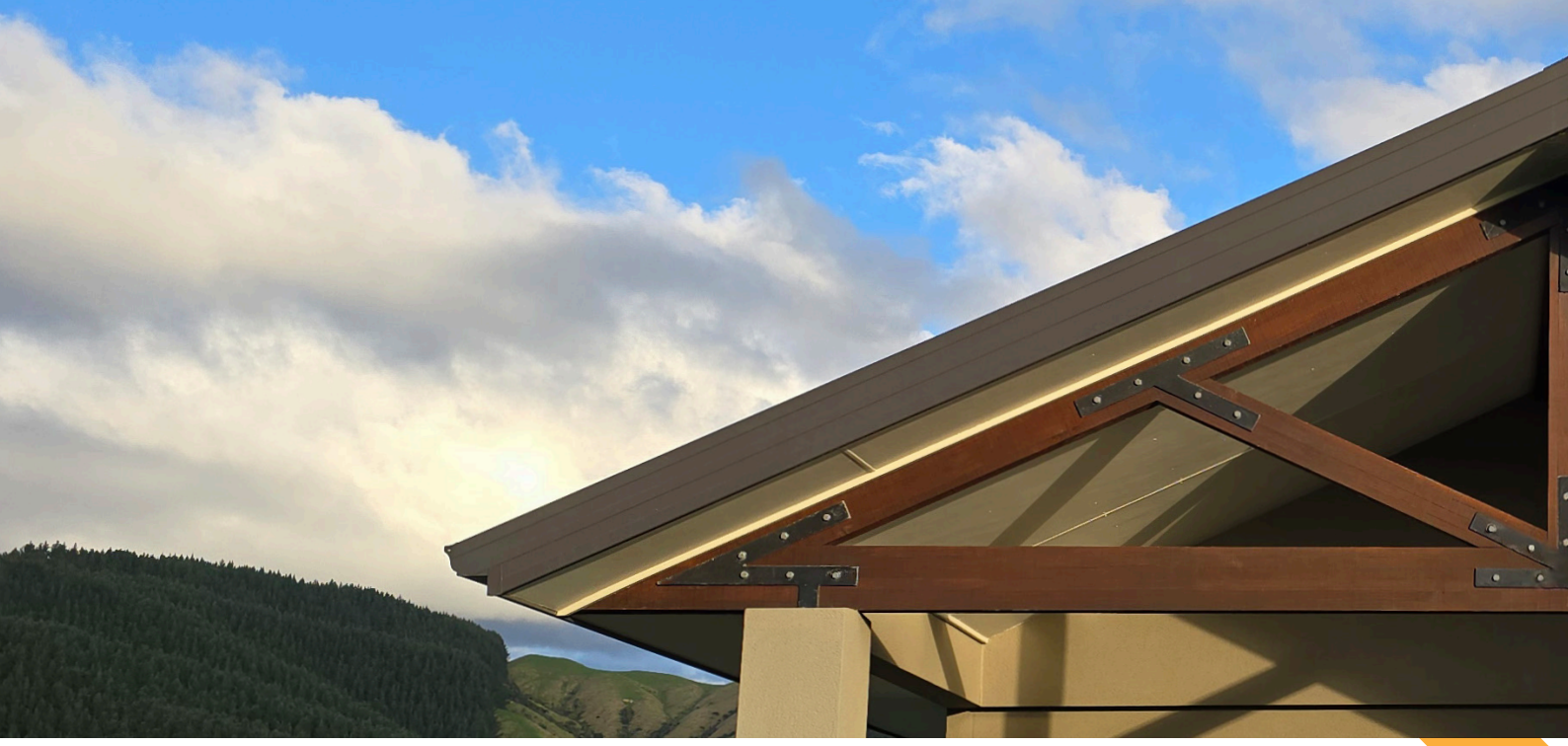

FLEXIBLE DELIVERY OPTIONS: PRE-ASSEMBLED OR ASSEMBLED ON SITE

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.

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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.

To ensure as many configurations as possible, we have created a suite of pre-engineered trusses, with each option on a single sheet that provides all the information you require. These specification sheets include structural details, connection requirements, material specifications and compliance documentation - eliminating the need to source information from multiple documents.

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

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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 very high wind zone
- Up to and including seismic zone 3
- Sub-alpine regions
- Good ground

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

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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 plan with suggested structural connection specifications and detailed drawings.

ENCLOSED BUILDINGS

Techlam pre-engineered trusses can be simply integrated into a mix of construction types including conventional framed construction methods. Our engineered connection details and drawings facilitate the integration of mechanical and electrical services where required.

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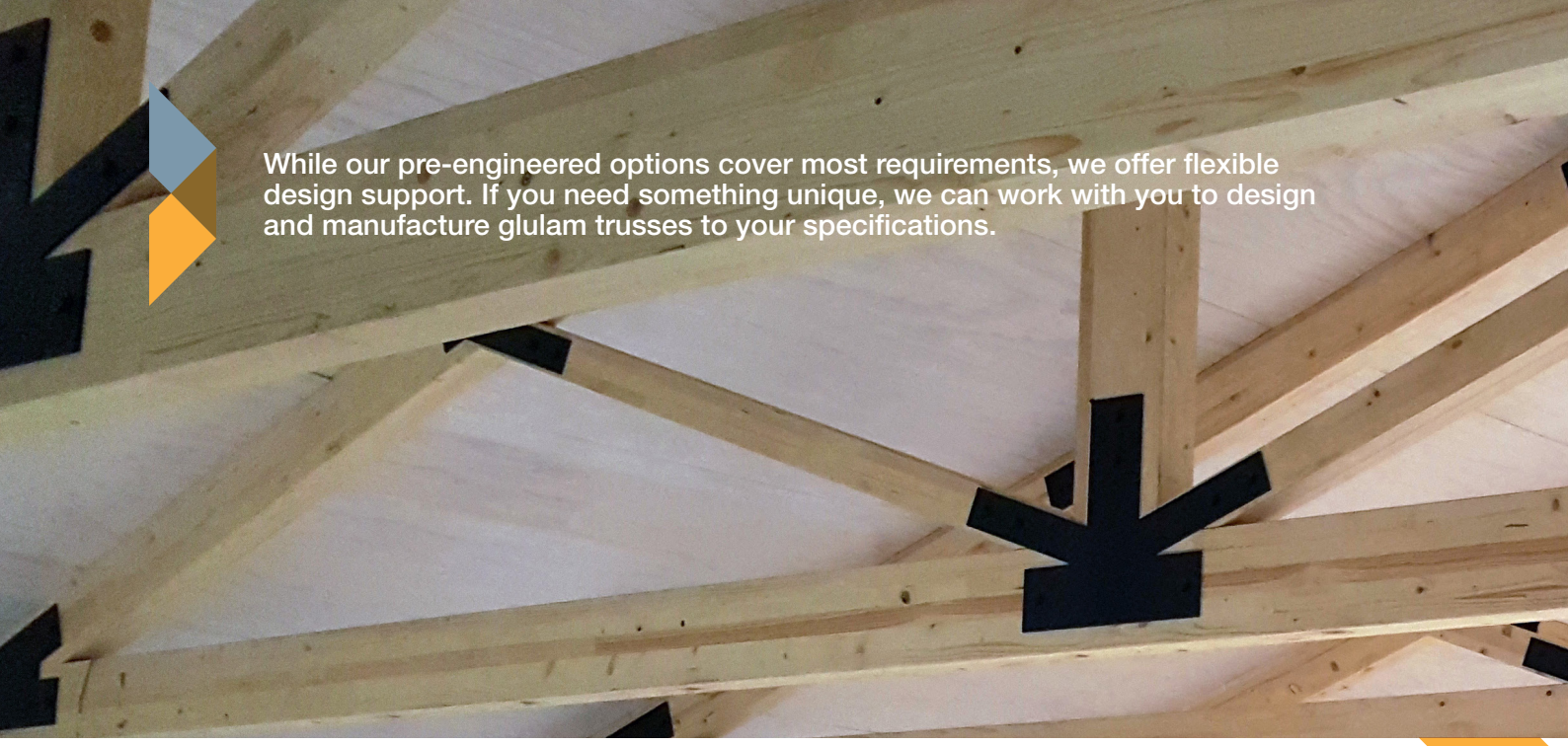
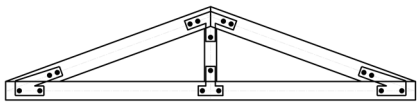


While our pre-engineered options cover most requirements, we offer flexible design support. If you need something unique, we can work with you to design and manufacture glulam trusses to your specifications.

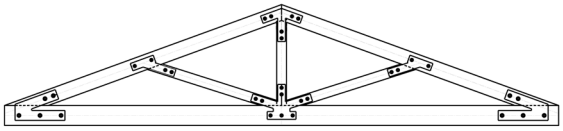
PRE-ENGINEERED TRUSS // PITCH 20° - 26°

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



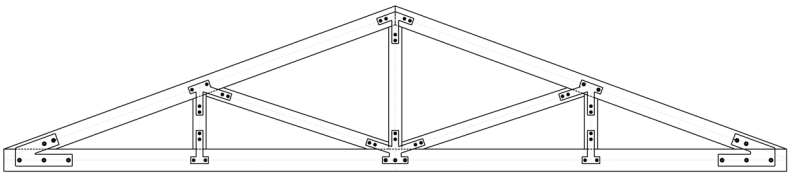
Short Span Truss

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

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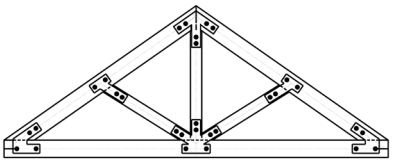
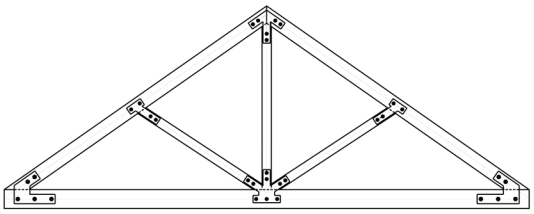
PRE-ENGINEERED TRUSS // PITCH 26.1° - 35°

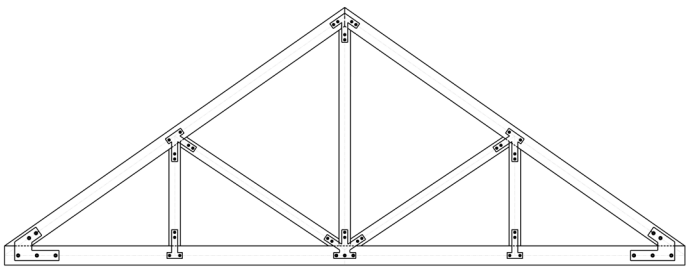
For open-sided uses the truss options are provided with specified posts and fixings.
For enclosed uses, specification of the supporting structure is required.



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

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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.

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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.

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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.

35-39 Tiro Tiro Road, Levin 5510
P.O. Box 1013, Levin 5540

0800 TECHLAM (832 452)
06 367 6324
sales@techlam.co.nz

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timber redefined

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