

# CALIBRE SERIES

ROOF SUPPORT SYSTEM



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# A LITTLE BIT ABOUT US

Revolutionising façade support framing is our mission. We specialise in providing a fast and efficient façade support system that's designed and engineered to meet your unique building requirements.

We do this by working collaboratively with your team and involving our design and engineer team from start to finish. It takes an experienced team, face-to-face meetings, and technical discussions to receive solid results.

Most important of all, we believe in the power of the team.



# WHAT IS CALIBRE SERIES?



## ROOF SUPPORT SYSTEM

Frame-Tek's light-structural roof support system. Is a bespoke, designed and engineered solution for complex projects, made from our proprietary heavy gauge steel sections.

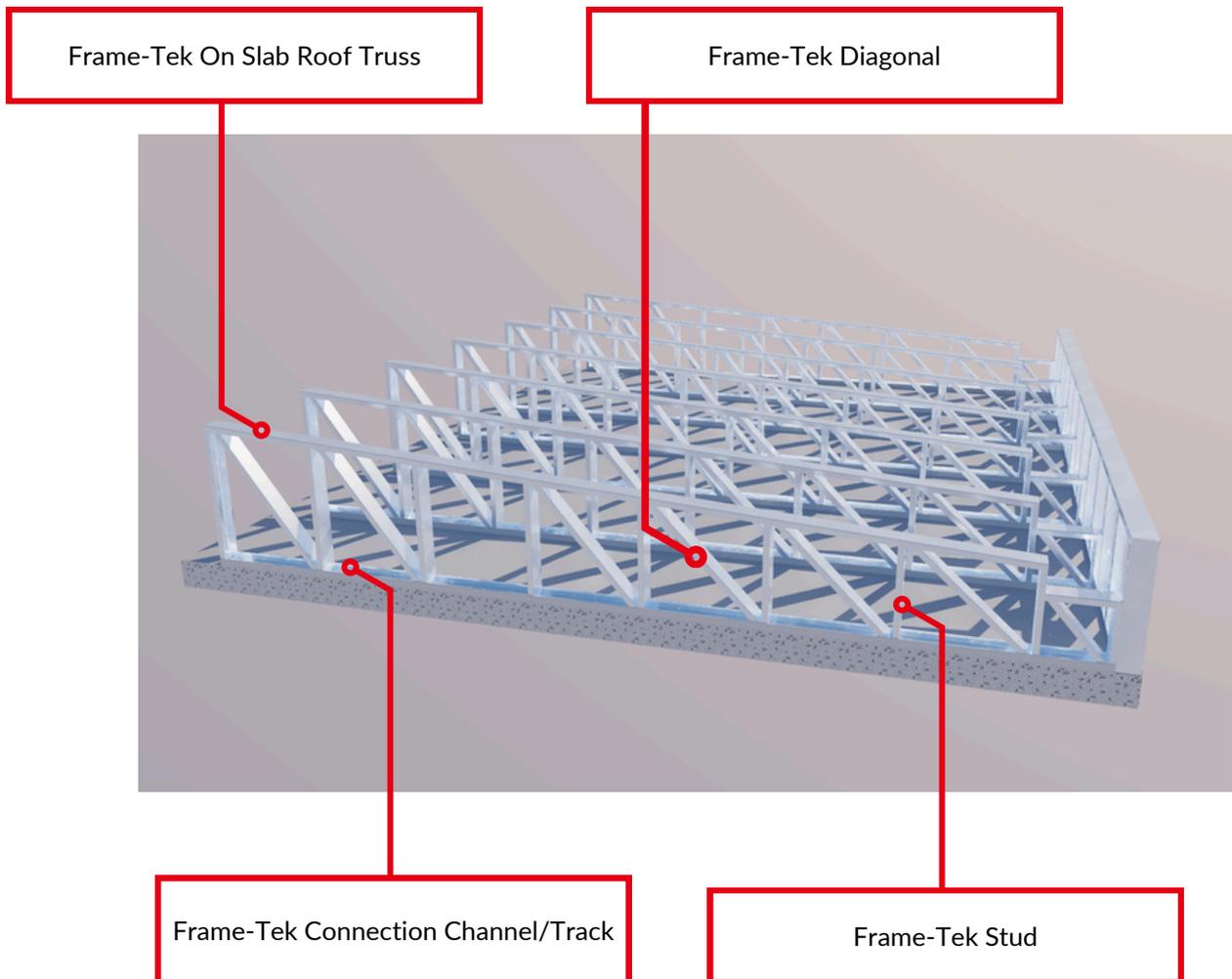
Calibre Series is a complete roof system, comprising of parallel chord and raked chord truss systems, purlins, roof battens, and bracing. Designed and engineered to handle large spans, high wind loads and regular roofing applications.



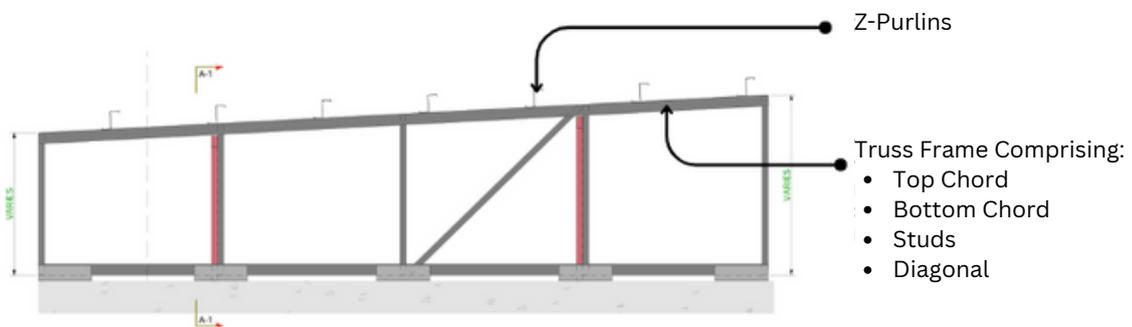
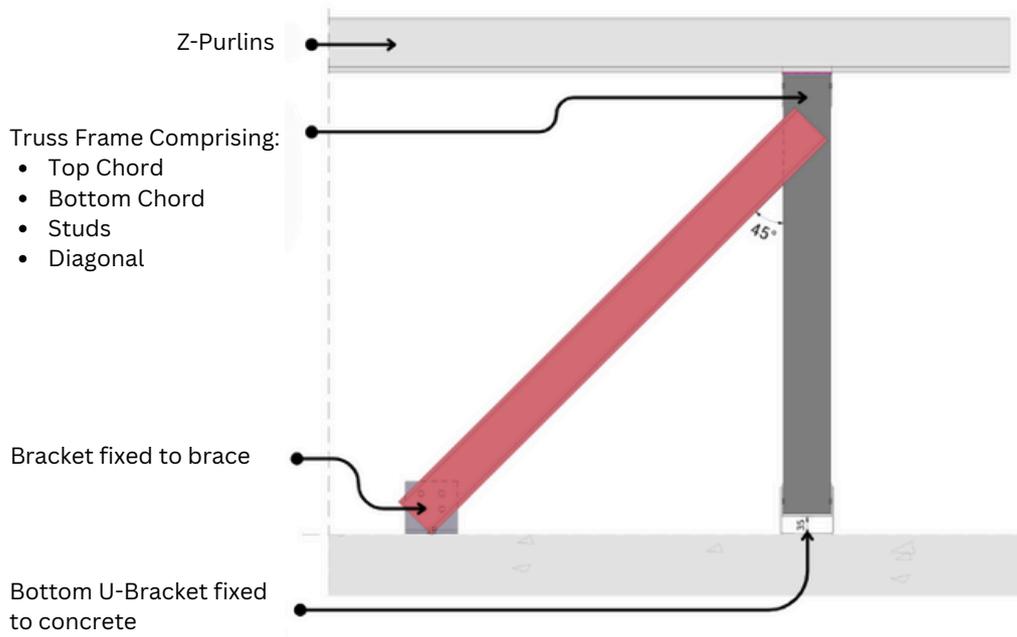
# THE KEY BENEFITS OF CALIBRE SERIES

- 01 Complete Service**  
Includes full design, engineering certification, and shop drawings.
- 02 Simplified Construction**  
Simplifies roof construction and has the potential to eliminate a trade due to a simplified installation process that can be taken on by the roofer.
- 03 Quick Installation**  
Fast to install with minimal onsite work, reducing crane time and streamlining construction.
- 04 Cost Efficient**  
Affordable construction method that can reduce material and labour costs.
- 05 Safety Compliance**  
Can be designed for all arrest loads, supporting safe work practices and regulatory requirements.
- 06 Adjustable Connections**  
Adjustable and variable height connection systems.
- 07 Integrated Framing Systems**  
Can include a parapet system that integrates with the roof frame and supports light structural framing—potentially removing the need for structural steel in some applications.
- 08 Quality & Reliability**  
ISO 9001:2015 certification for consistent performance.

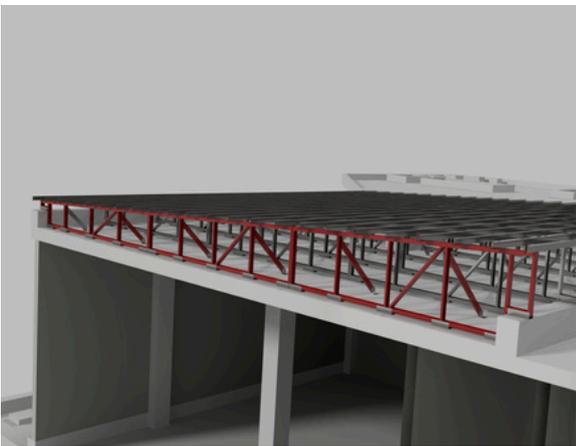
# TECHNICAL INFORMATION



# TECHNICAL INFORMATION



# 3D MODELLING



Our design team is engaged early  
Provide 3D modelling of our framing.  
Our connection details are engineered to suit  
the structure with the trusses supplied with  
holes ready for quick installation.





1. Connection Channel - Fixed to the slab.
2. Roof trusses are placed inside the connection channel and are fixed to the engineers requirements.
3. Brace installed on site and fixed to concrete.
4. Roof battens fix to the top of the truss.
5. Truss spacing as per engineers requirements.

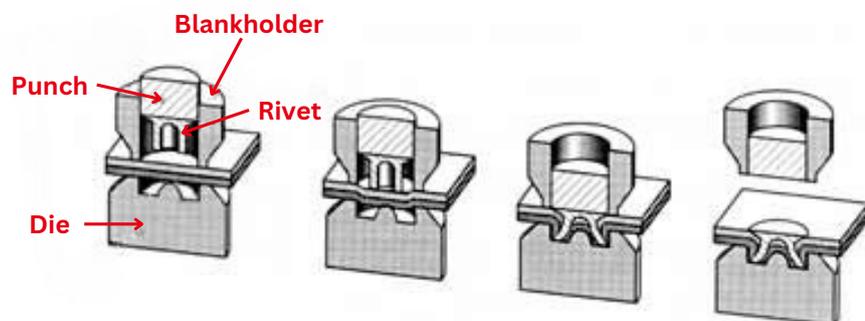
# SUPERIOR STRENGTH

Frame-Tek's rivet system

- Unique flush finish water-tight self-piercing clinch riveting system used to join cold roll formed sections.
- Does not damage pre-coated materials
- Very high strength

*'No ordinary rivet!'*

This fastening system combined with heavy duty cold roll formed steel sections, produces structural frames with a very high load bearing capacity.



# CASE STUDY 1

## GOSFORD HOSPITAL

Frame-Tek supplied a light-structural roof support system in modular, 2-man lift sections, allowing fast installation without heavy equipment.

It was coordinated with rope loads, gutter support, and engineered to withstand the unique forces of helicopter wash operations, ensuring reliable performance and seamless integration with services.



### SOLUTION

Modular, 2-man lift sections

Light-Structural Steel

Service Coordination

Engineered for helicopter forces

# CASE STUDY 2

## BLACKTOWN HOSPITAL

Frame-Tek worked alongside A W Edwards and Melvin to deliver a tailored roof framing solution for Blacktown Hospital using the Calibre Series.

The system was designed, engineered, and prefabricated to meet project-specific structural and service requirements.



### SOLUTION

Certified Design Package

Eliminate Structural Steel

Efficient Install

Prefabricated Modules

# CASE STUDY 3

## CONCORD HOSPITAL

Frame-Tek partnered with Roberts Co. to provide a prefabricated roof framing solution. Engineered to support plant platforms and included detailed shop drawings for smooth coordination.

The design incorporated roof battens and box gutter details, ensuring full integration with services and structural requirements.



### SOLUTION

- Prefabricated Framing
- Certified System
- Fully Integrated System
- Efficient Modular Delivery

# TESTIMONIALS

“We engaged Frame-Tek for the design and supply of our low-level roof structures at the recent Concord Hospital project. The flexibility and agility in Frame-Tek’s design when it came to meeting the challenges we had along the way, was second to none. They were always willing and able to assist.

The flexibility to have prefabricated units delivered as required was a key benefit as the site was very constrained. It also meant the number of workers and hours spent on high-risk roof works was mitigated which led to program efficiency. This flexible design and supply approach meant we were able to achieve our specific requirements all within the Frame-Tek system, leading to a fast and quality install by the roofing contractor.

It was a great experience all the way, from the team’s approach to design, right through to a quality product being delivered on time and in full. We will definitely be using Frame-Tek on the next project!”

**Project Engineer | ROBERTS CO.**

“Partnering with Frame-Tek on our project was a seamless and highly professional experience. Their team demonstrated a strong understanding of the technical requirements, maintained excellent communication, and consistently delivered high-quality work. We valued their reliability and expertise, and we look forward to working with them on future projects.”

**Contracts Administrator | A W EDWARDS**

ROOF FRAMING AT CONCORD HOSPITAL





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