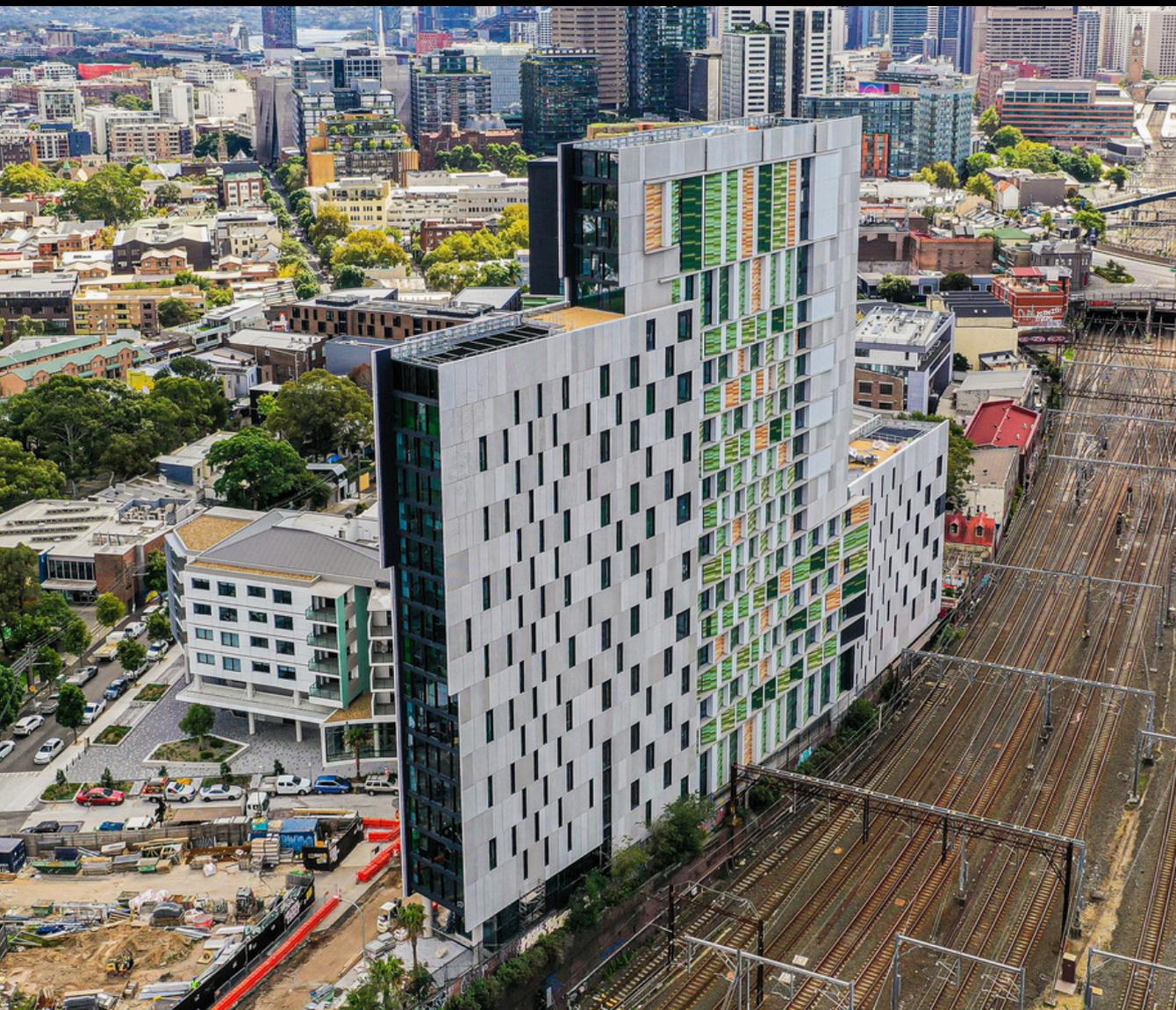


ZENITH SERIES

SLAB TO SLAB FRAMING



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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 ZENITH SERIES?



SLAB-TO-SLAB FRAMING

Frame-Tek's Zenith Series is a prefabricated façade framing system engineered to span the full height between concrete slabs. Using our proprietary heavy-gauge sections, it's designed to withstand high wind loads, accommodate large window openings, and eliminate the need for structural steel along the façade line.

This system is fast, efficient, and easy to install—streamlining construction while maintaining structural integrity.

An optional pre-backpan provides early weatherproofing, allowing internal trades to commence sooner.



THE KEY BENEFITS OF ZENITH SERIES

- 01 Complete Service**
Includes full design, engineering certification, and shop drawings.
- 02 Flexible Structural Integration**
Accommodates diverse structural designs thanks to the flexibility of proprietary materials.
- 03 Pre-Clad Rain Screen Option**
Rain screens can be prefixed to frames for early weatherproofing, allowing internal trades to begin sooner.
- 04 Fast & Efficient Installation**
Prefabricated, light-structural system designed for quick, accurate, and streamlined site assembly.
- 05 Suits Large Floor-to-Floor Measurements**
Engineered to suit generous slab-to-slab measurements and large window openings.
- 06 Supports All Cladding Types**
Engineered to integrate seamlessly with any chosen façade finish.
- 07 Quality & Reliability**
ISO 9001:2015 certification for consistent performance.
- 08 Enhanced Site Safety**
Reduced onsite cutting and handling improves safety outcomes.

HOW ZENITH SERIES IS INSTALLED ON-SITE



Prepare and Install DHTs

Step 1

Receive the Frame-Tek frame pack at the designated level. Mark out, position, and secure the DHTs using suitable concrete screw anchors.



Identify and Position Full-Height Frames

Step 2

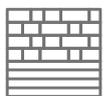
Locate full-height frames using panel markings and slide them into the DHT, ensuring correct alignment.



Fix Frames to Concrete

Step 3

Anchor frames to the concrete through pre-drilled holes and check alignment against Frame-Tek drawings.



Install Infill (Head and Sill) Frames

Step 4

Install head and sill frames above and below windows as shown on the marking plans. Fix to full-height frames with 12- or 14-gauge Tek screws.



Waterproof and Complete the Façade

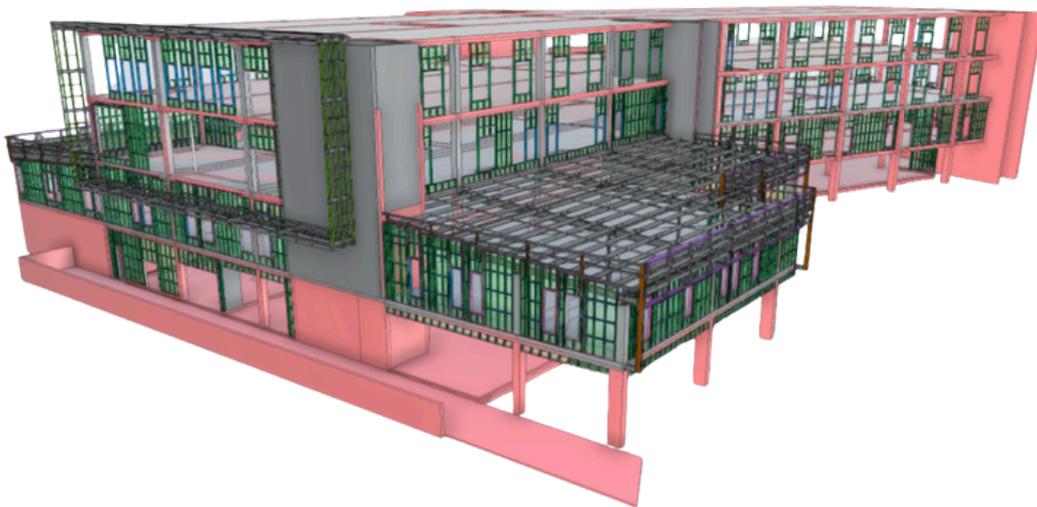
Step 5

The Framing is now installed and ready for other trades to continue.

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.



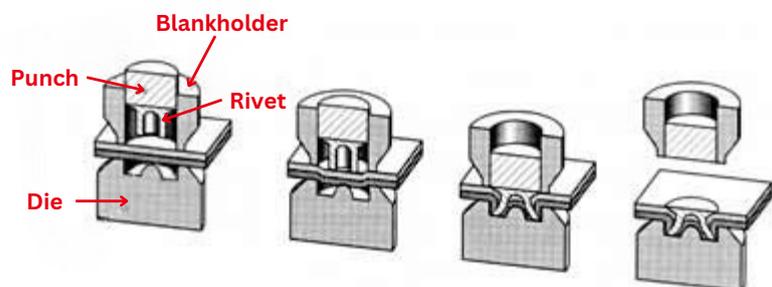
SUPERIOR STRENGTH

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.



TECHNICAL INFORMATION

SILL FRAME

A frame forming a window sill. Fixed to the frames beside and the slab below. Large sill frames will often require stiffening plates called powerspan brackets for extra support

POWERSPAN

A powerspan bracket is a folded plate that supports sill frames and some types of head frames. The bracket is placed inside the frame to the bottom track at every stud. Powerspan brackets prevent the frame from twisting.

TECHNICAL INFORMATION

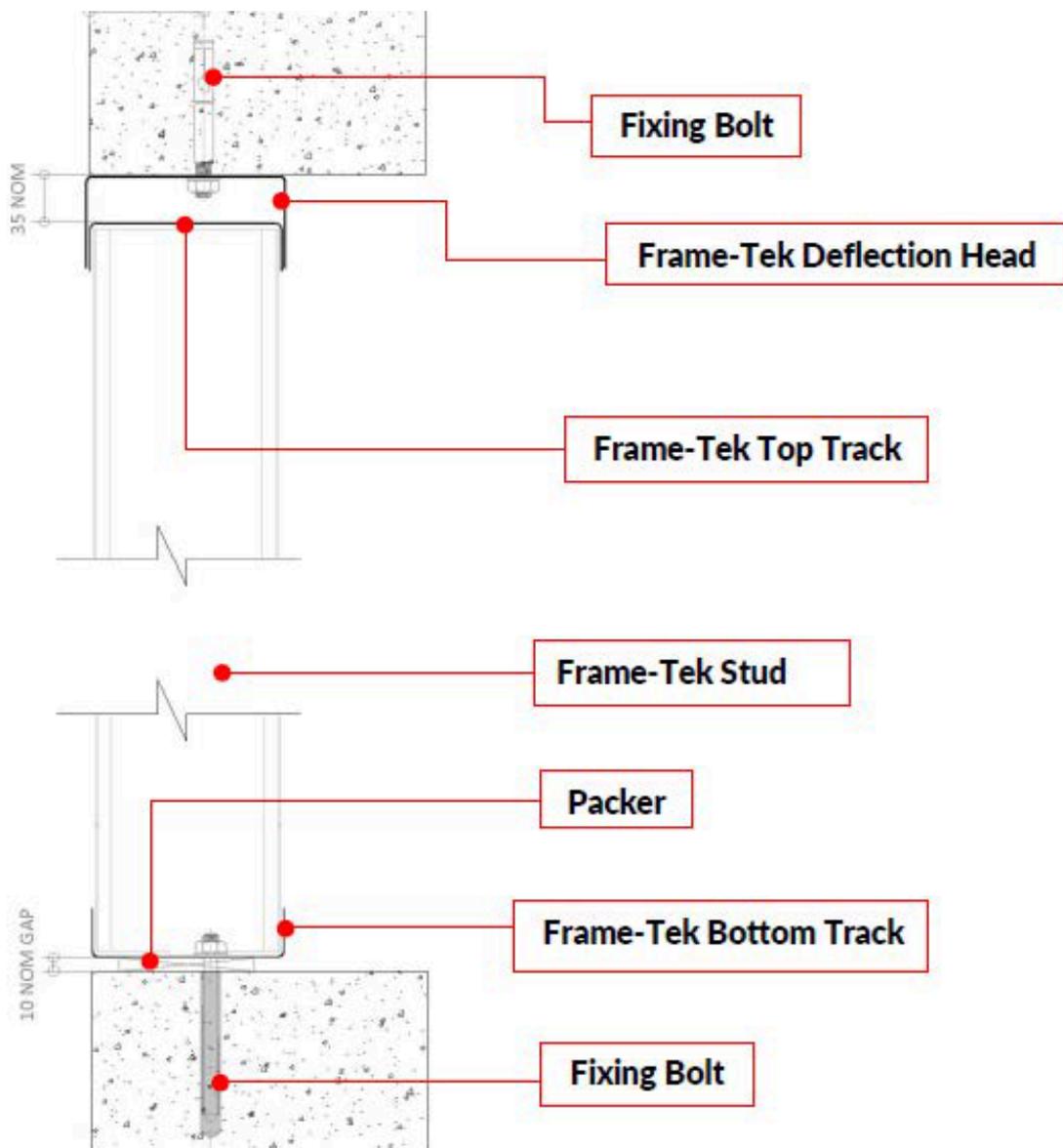
HEAD FRAME

This is the framing acting as window and door lintels. There are different types of head frames. Types include frames that span across small openings from frame to frame and frames over long openings that are support from the structure above and to utilise stiffening braces.

JAMB STUD

A jamb stud is part of a full height frame. Jamb studs are stronger vertical members that is used directly beside windows or doors. Jamb studs are needed to support the heavy windows and the head frames spanning above.

TECHNICAL INFORMATION



CASE STUDY 1

HARBOUR MILLS

Frame-Tek took inspiration from the industrial heritage of The Mills and incorporated it into the framing's aesthetic. The framing was engineered to be strong and durable, ensuring that the exterior will stand the test of time.

Additionally, the framing was designed for easy installation, reducing the time and cost associated with construction.



SOLUTION

Industrial Inspiration

Strength and Durability

Efficient Installation

Cost and Time Savings

CASE STUDY 2

THE PEMULWUY PROJECT

This project was an example of how Frame-Tek's Zenith series framing works alongside our Accent Series feature framing.

The GRC panels were easily installed onto the Zenith framing, while the Accent feature framing added the finishing touch to the building's aesthetic appeal.

This combination of framing systems allowed for a more efficient and cost-effective construction process.



SOLUTION

System Integration

Easy Panel Installation

Enhanced Aesthetic

Efficiency and Cost Savings

CASE STUDY 3

WYONG HOSPITAL

Frame-Tek collaborated with Interior Works to design and engineer a façade solution for the high slab-to-slab dimension. The integration of high strength sections into the design supported the cladding and allowed for a more efficient installation process, resulting in a successful outcome.



SOLUTION

Collaborative Design

Engineered for Height

High-Strength Support

Efficient Installation

TESTIMONIALS

“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

“Using Frame-Tek was a great solution for our façade secondary framing design and construct responsibilities. We were able to greatly reduce structural steel installations by using the Frame-Tek system and their ability to design and fabricate in house was a real advantage that helped solve several time, budget and safety challenges on our project.”

Project Director | TAYLOR AU

“The system Frame-Tek provide from design to supply is second to none and helps with the progress of works onsite as panels are prefabricated off site making the install process onsite quicker and more cost effective.”

Site Manager | PRECISION WALLS & CEILINGS

“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.



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