



Offsite Design

Cadwork CAD/CAM Technician

Offsite Design Ltd are experts in off-site manufacture of timber buildings offering unique design, engineering, and drafting services to prefabricators, contractors, and developers to help materialise the timber buildings of tomorrow. From tiny house, family homes to medium-rise, residential and commercial projects. Domestic and overseas clients.

Our specialist services include: DfMA (Design for Manufacture and Assembly), 3D fabrication modelling, 2D shop drawings, and file-to-factory export to drive CNC equipment and the factory.

Background: Timber construction and prefabrication are experiencing strong interest in New Zealand, Australia and beyond, e.g. CAD/CAM integrated fabrication processes are being introduced, panelised prefabrication is taken up by small and large companies, cross- and parallel-laminated timber (CLT and PLT) are produced locally at scale.

A massive housing shortage in Auckland, and general productivity, affordability, and sustainability issues in the industry demand an alternative approach to construction. Prefabrication and timber buildings are increasingly seen as solutions to these challenges.

Offsite Design Ltd are actively involved in these trends and we are keen to hire more CAD/prefabrication detailers from October 2020.

Responsibilities

- Production of 3D models and 2D construction drawings (using Cadwork) supporting the prefabrication and construction of a wide variety of timber buildings, from small family home to medium rise/multi-storey.
- Modelling of light timber frame (LTF) panelised and engineered mass timber structures for fabrication, incl. services.
- 2D drafting/detailing of factory and assembly documentation.

Your experience and skills

- Strong experience in modelling and drafting timber buildings, e.g. as architectural, structural, or truss and frame detailer.
- In depth knowledge and experience of at least two of the following:
 - Hands-on experience of construction or prefabrication of timber buildings.
 - Design and detailing of light timber framed buildings (NZS3604).
 - Design, detailing, construction of heavy timber structures (glulam, LVL, CLT, etc).
- Advanced experience using CADWORK (or other CAD/CAM/BIM packages).
- Self-starter, with energy, passion, and genuine interest and exposure to timber construction.
- Attention to detail and pride in your work.

We offer

- A wide variety of projects across the whole range of engineered timber products and building typologies; from tiny house to multi-storey engineered timber structure.
- Work at the leading edge of timber prefabrication and offsite manufacture in this part of the world, including involvement in R&D projects moving the industry forward.
- A diverse and friendly team of individuals with a passion for building with wood, raising the quality of our built environment and the productivity of our industry.
- Remuneration according to your skill set and experience.
- Christchurch-based

Contact

Interested? Please send your application letter and CV (in English) to:

Johann Betz - johann@offsitedesign.co.nz