

Timber Systems Designer (Trainee) - Advertisement

Traineeship, Timber Systems Designer in Frame & Truss

Our Frame and Truss business in (City/Suburb) is seeking a Trainee to join our **Timber Systems Design Team**, to gain the knowledge of becoming a **Timber Systems Designer** in Roof and Floor Truss Systems along with prefabricated wall frames.

This 2-year traineeship will give you the knowledge foundation for a successful career path in this industry.

An understanding of the following is an advantage but not a pre-requisite for this position, what you do need is an enthusiasm to learn and achieve, with an outgoing personality.

- Read and interpret building plans
- Knowledge of relevant Australian Standards and codes
- Building and construction knowledge
- Drafting
- Communication skills
- Basic computer skills

Your time in this traineeship is to become adverse with building construction knowledge, gaining an understanding of the many components within a building structure and their interaction with each other creating a construction system. You will become a **Timber Systems Designer** who responsible for the most important part of a house being the framework for which the rest of the house hangs off or supported by.

You will not only get paid for doing this but gain a great deal of satisfaction for your achievements.

If you think you have, or would like to learn the skills and have the commitment required to undertake this full-time career path, send your resume to:

Timber Systems Designer (Trainee) - Job Description

With this 2-year Traineeship in **Timber Systems Designer** will provide the guidance and knowledge for you to successfully become a **Timber Systems Designer** as set out below.

Timber System Designers use manual and computer aided methods of providing costs for systems, from which the client can construct their project. These systems include designing members and components to work together using engineering design software, other building components require to be taken off manually.

A **Timber Systems Designer** is a person who accurately takes off quantities of building materials according to the relevant standards and codes.

What does a **Timber Systems Designer** do?

- Read and interpret building plans
- Assist in the design process of the building
- Manually calculate components such as, beams, posts, bolts, and miscellaneous products required
- Sets out the position and location of roof trusses to suit the plan
- Calculate the design and quantities of truss connections, tie down and bracing, requirements for a building
- Design all the members to suit a plan
- Takes into consideration the effects of the truss designs on other parts of the building structure
- Takes into consideration of the effects of the frame design on other parts of the building
- Solve design problems
- Communicate with builders, architects, engineers and others
- Produce quotations for customers

Timber Systems Designer Requirements:

- Have a sound knowledge of all the codes and standards relating to the industry
- Be able to read all plans (architectural & engineering) and gather all the required information
- Be able to calculate all measurements/angles/areas
- Know each member name, position and what it does
- Be able to design all the members to all loadings
- Accuracy
- Sit for extended periods of time
- Use of hand/s to operate a computer
- Extensive knowledge of the company's preferred software
- Make decisions based on designs
- Strong communications skills
- Ability to collaborate with others and solve problems

Timber Systems Designer Responsibilities:

- Use software to generate Roof, Floor & Wall Systems and have the knowledge to identify all the different components within the system
- To be able to communicate with people at their level of understanding
- To be able to work out quantities of material in all forms (sq.mtr, cub.mtr, lineal mtr,) extend the costs and use trigonometry to calculate length & angle values
- Basic Building Construction Knowledge – to be able to understand how a building works, all its members, the load paths and how it connects
- Timber Knowledge – to be able to select the best available piece of timber to do a given job
- Plan Reading Skills – to understand all the different types of drawings, where to find certain information and interpret that information to create the building
- Roof Truss Set Out Skill and Knowledge – to be able to correctly position all truss types and set out all other trusses accordingly
- Truss Erection and Production Knowledge – to understand how a trussed roof is assembled and produced to give the best possible outcome for both the builder and your company
- Truss and Material Take Off Skills – to be able to accurately take of truss quantities and all ancillaries required for the job
- Design Table Reading Skills - to able to look-up the relevant tables to design the buildings members to the required loadings
- Understand Engineering terminology
- Keep up to date on industry and engineering standards and codes
- Collaborate with others to establish timelines and budgets, as well as solve problems
- Ability to analyse data and situation and come up with a creative solution