



AUSTRALIAN STEEL INSTITUTE

CAREERS IN STEEL DETAILER OR CONSTRUCTION MODELLER

Steel detailers specialise in preparing shop drawings for the manufacture and erection of the steel framework used in the construction of buildings, bridges and other structures. To do this, they use 2D and 3D computer-aided drafting (CAD) software. Steel detailers are also referred to as construction modellers.



WHAT DOES A DETAILER OR CONSTRUCTION MODELLER DO?

- ✓ Extracts information needed by the steel fabricator from the engineer's drawings
- ✓ Creates shop drawings with material dimensions, welding, bolting and surface treatments
- ✓ Creates layout guidelines to ensure the seamless installation and erection of steelwork
- ✓ Determines the type of material suited for each task based on design plans and codes
- ✓ Coordinates with team members to schedule material delivery and construction activities
- ✓ Develops detailed 2D and 3D models to detect clashes and track design changes

WHAT QUALIFICATIONS DO I NEED?

A cadetship is an excellent way of earning while you learn to become a detailer. A diploma can be undertaken after Year 12, with studies in maths preferable.

Examples of TAFE courses:

- Certificate III in Computer Aided Drafting
- Certificate III in Drafting Trades
- Certificate IV in Drafting Trade (Structural Design)
- Diploma in Engineering (Computer Aided Drafting)
- Diploma of Engineering Technology



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CAREER PATHWAYS

Steel detailers can move into various roles, such as structural designers or project managers. They can also advance to senior designer and design manager positions, overseeing the creation of steel structures

WHAT SKILLS DO I NEED?

- ✔ Teamwork and communication skills
- ✔ Problem solving and critical thinking
- ✔ An aptitude for working with computers
- ✔ Good spatial visualisation and logic
- ✔ Ability to read plans and drawings
- ✔ Attention to detail and precision

AVERAGE SALARY

A typical entry level position starts from \$70,000 per year and with more experience and expertise can increase to \$130,000 + per year.*

*Salary or wage variations may depend on region and state, industry sector or the amount of overtime worked.

ABOUT THE ASI

A member-based organisation, the Australian Steel Institute (ASI) is the nation's peak body representing the entire steel supply chain from the manufacturing mills right through to end users in building and construction, heavy engineering and manufacturing. With over 5,000 members, we support more than 600 companies.

CONTACT US

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