



BASIC RIGGING – STEEL ERECTION

Aims and Outcomes

This course is designed for participants to gain the necessary skills to plan, prepare and safely carry out steel erection activities. On completion of this course, participants will be able to safely operate load shifting and positioning devices, understand steel erection terminology, interpret plans/ specifications, install and operate materials hoists, carry out placement and positioning of pre-cast concrete sections.



Prerequisite

Candidates must have completed an approved Rigger and Slinger course

Course Content

The Basic Rigging Steel Erection Plan is based on competencies within the Australian Qualification Framework (AQF):

- Legislation in the Workplace - HSE Acts and regulations; Specific regulations dealing with load shifting and steel erection
- Plan Work - Crane type and capacity requirements; Site requirements and rules; site hazards; priorities; emergency procedures; signals in accordance recognised Standards
- Fibre Rope - Tag lines; Bends & Hitches; Slings - inspections; W.L.L - breaking strain
- Steel Erection - Columns; beams; braces; Trusses/Rafters; Structural bolts; nuts & washers; Erection plan reading
- Material hoists cantilevered - Erection & Dismantling procedure in-line with manufacturer's specifications
- Placement of Pre - cast concrete - Relevant procedures and techniques
- Movement of Plant & Equipment - Use of chain blocks; chain pullers; wire rope pullers; Knowledge of skids; skates; turnbuckles; purchases; winches; block and tackle; Calculation of loads in a purchase & rope storage; using appropriate formula
- Practical Training - Erect steel frame building using prepared plan; tools & equipment and demonstrate safe work at heights; Rig Purchase System using F.S.W.R. & Tirfor, Rig Tackle Block & I.D. Components

Certification

On successful completion of the training, candidates will be awarded a Futuro Skills Certificate in Basic Rigging – Steel Erection.

Duration

4 days

Maximum Candidates

10 persons