



Structural Engineer

Design & Drafting Department

Stage One is a unique, innovative and exciting company to work for. We undertake projects worldwide specialising in the architectural, construction, exhibition, and live event sectors. Our clients come to us for help solving complex design challenges, turning their exciting concepts and visions into a manufacturable reality.

The Design & Drafting department plays an important role helping to facilitate the successful delivery of complex projects. The team is made up of multi-disciplined engineers, designers and technical specialists, who collaborate with each other to provide coordinated engineering solutions that meets the defined objectives.



Salary: Dependent on experience

Hours of work: 08:00 - 17:00 Monday to Friday, with occasional overtime

Contract Type: Permanent

Based at: Tockwith, near York



Job Description

Structural Engineer Role:

We currently have an opportunity for an enthusiastic & highly motivated, Structural Engineer within our Design & Drafting department.

As a member of the Design & Drafting department, the role will be based at our Tockwith office, York, with primary focus on the design and engineering of projects spanning the architectural, construction, exhibition, and live event sectors. Whilst experience within these fields would be a distinct advantage, consideration will be given to candidates with exceptional skillsets from other sectors.

This role is ideal for an experienced Structural Engineer capable of guiding and advising a team of engineers and designers. You will have excellent communication skills and be able to work effectively in a team environment. The department is amid an exciting transformation programme, which will benefit candidates that can be flexible, resourceful and adaptable to change.

Key Responsibilities:

- Produce engineering solutions with supporting calculations and analysis.
- Carry out hand or computational calculations for checking and scheme purposes.
- Check engineering solutions and calculations.
- Check drawings by others, ensuring their fitness for purpose.
- Act as design lead on single and multi-disciplined projects as and when required.
- Liaise with other members of the project team to achieve a coordinated engineering solution that meets the defined objectives.
- Act as design representative at meetings with the internal project team and/or external clients, suppliers and project stakeholders.
- Project cost control and effective management of project resources.
- Ensure that quality and consistency of output (drawings, reports, calcs etc.) is always maintained.
- Assist in the development of processes to improve efficiency and project delivery.
- Mentor and develop junior team members.

The above list of duties is not exhaustive and is subject to change. The post holder may be required to undertake other duties within the scope and grading of the post.



Person Specification

ESSENTIAL / DESIRABLE	
Qualifications	
Degree in Structural Engineering (BEng or BSc)	Essential
Chartered Engineer Status	Desirable
Knowledge	
Understanding of the design process, and its associated documentation.	Essential
Extensive knowledge of British Standards and Eurocodes	Essential
Extensive knowledge of designing and detailing structural steel & timber	Essential
Knowledge of designing with other materials	Desirable
Skills, experience, abilities and competencies	
Structural calculations / methodical problem-solving ability	Essential
Structural analysis software (preferably Autodesk Robot & Autodesk Nastran)	Essential
Technical drawing to BS 8888 or other professional standards	Essential
Drafting and modelling in Autodesk Inventor (gained in a working environment)	Desirable
Checking the work of peers (designs, drawings, calcs, models etc.)	Desirable
Minimum of 5 years' experience designing steelwork (gained in the UK)	Essential
Ability to communicate effectively with a wide range of people	Essential
Autodesk Vault, and / or Revit, and / or AutoCAD (gained in a working environment)	Desirable
Previous supervisory experience and experience of leading a design team.	Desirable
Demonstrate commercial awareness	Desirable
Personal attributes	
Positive attitude to work.	Essential
Highly organised and able to work flexibly, under pressure and to tight deadlines.	Essential
Drive, enthusiasm and commitment.	Essential
Willingness to undertake relevant training as appropriate.	Essential
Enthusiasm to support other areas of the department as required.	Essential