

Structural Design Engineer

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Company: Quest Global Technologies Ltd

Location: Sharjah

Category: healthcare-practitioners-and-technical

Job Title: Structural Design Engineer

Job location: Sharjah, UAE

Job type: Permanent

Roles & Responsibilities :-

- 1) Must be able to design and analyze Steel Structure elements of buildings and other steel structures.
- 2) Must be able to develop detailed design calculations for the steel structures , all steel to steel and steel to concrete connections and get approval from contractor, client and consultants.
- 3) Must be able to review shop drawings prepared in Tekla and Autocad and manage the modelling and detailing team.
- 4) Must be able to do connection design of complex steel structures for buildings, warehouses, industrial projects using connection software such as idea statica or RAM/LIMCON or be able to generate own excel spreadsheets for connection design.
- 5) Can do quantity take off for steel structures from the Tender/IFC drawings provided.
- 6) Create detailed technical drawings and specifications for construction projects.
- 7) Collaborate with architects, contractors, and other professionals to develop structural designs.

- 8) Conduct site visits and inspections to assess existing structures and identify potential issues.
- 9) Perform calculations and simulations to determine the strength and stability of structures.
- 10) Review and approve design changes and modifications based on project requirements.
- 11) Provide guidance and support to junior engineers and drafters.
- 12) Stay updated on industry standards, codes, and regulations related to structural design.
- 13) Coordinate with project teams to ensure timely completion of design deliverables.
- 14) Communicate and present design concepts and proposals to clients and stakeholders.

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Desired Qualifications:

- 1) Minimum of a Bachelors degree in Civil Engineering or a related field.
- 2) Must be well versed in STADD PRO/ETABS software for Steel structure Design.
- 3) Must be familiar with American and British Steel Design Codes.
- 4) Professional Engineer (P.E.) license is preferred.
- 5) At least 5 years of experience in structural design engineering.
- 6) Experience working on large-scale construction projects is highly desirable.
- 7) Strong knowledge of building codes and regulations.
- 8) Proficiency in structural design software such as AutoCAD, Revit, or SAP
- 9) Excellent problem-solving and analytical skills.
- 10) Effective communication and interpersonal skills.
- 11) Ability to work collaboratively in a team environment.
- 12) Attention to detail and strong organizational skills.

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