

ED V Structural Designer

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Company: Wood

Location: dubai

Category: other-general

Responsibilities Develops working drawings, within company and industry standards and codes, from equipment specifications and detailed drawings to support completion of engineering. **deliverables** Creates drawings involving plans, layouts, Sections, and bills of material for both Steel and Concrete Investigate & resolve unusual design and field engineering problems with new approaches or applying existing criteria in novel ways. Function as checker when required. Work with Lead Engineer in Layout planning. Assist in Technical supervision of Civil/Structural designers in the preparation of design drawings and MTO. Develops 3D models for complicated industrial Structures. Works on assignments involving a variety of design procedures and techniques. Performs layouts, design and checking work from the basic data supplied. Designs and makes detail drawings from rough sketches involving intricate calculations and the application of fundamental engineering principles. Establishes project drafting standards and monitors their conformance. Designs and constructs models, prototypes, processes, or equipment; compiles and evaluates data, makes recommendations, prepares reports. Prepares estimates of time, quantities, materials, and labor required for activities related to testing, installation, manufacture, design, or construction. Generates bill of materials from finished designs Ensures quality in design, technical accuracy in the preparation of drawings, material quantities, etc. including reviewing others work at more senior levels. Plans assigned work effectively and obtains / provides information liaising with the project team. and line manager, in time to control man - hours and achieve targets. Carries out site visits / surveys and provides inputs to site visit reports. **Qualifications** Diploma in Civil Engineering or equivalent. Bachelor's degree in

engineering is preferred. Minimum of 15 years of experience in design Competent user of 3D modelling software such as SP3D, PDS, Navisworks, Revit Structure. O&G / Industrial Building experiences preferred. An understanding of related engineering principles and practices, plus training and diversified experience in the field of activity is required. Capable of interpreting key documents including engineering standards, piping material specifications, P&IDs, and Line Lists Technically oriented, mechanically inclined, good at mathematics and talented at translating intangible concepts into hands - on project plans. Competent user of MicroStation and AutoCAD software

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