



# Example of Electrical Designer Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of electrical designer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for electrical designer

- Perform basic electrical calculations and translate design requirements into specific configurations
- Review all applicable documentation and company procedural manuals to determine critical attributes of design
- Retrieve and review all customer specification documents, vendor quotes, drawings and diagrams for creating a high-quality electrical design for customer
- Knowledge of electrical equipment and systems 13.8KV and below, including Motor Control Centers and Substations
- Knowledge and familiarity with National Electric Code
- Computer proficiency with engineering software to perform basic engineering calculations
- Develops electrical drawings and wiring schematics for use in assembly
- Completing drawing sets for natural gas pipeline power and controls projects
- Execution of project work
- Prototype designs are sometimes requested

## Qualifications for electrical designer

- Must have work experience in Microstation, AutoCad drafting related softwares
- 4+ years' experience using Revit to design and coordinate large projects

- Understanding LEAN Engineering
- Working experience on Smart plant electrical and 3D modelling, PDS, PDMS, Smart Plant 3D, is an added advantage
- Registration or eligibility to as a CET