



Example of Electrical Designer Job Description

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Our company is growing rapidly and is hiring for an electrical designer. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for electrical designer

- Implementation of standard schematic design and documentation
- DCS panel, PLC panel, junction box, and control layout and schematics
- AC and DC interconnects conduit and cable schedules for same
- Instrument loop diagrams as required using ISA figures 1 thru 6
- Safe installation of vendor supplied systems such as security and water treatment
- Specification of low voltage transformers and distribution boards
- Heat tracing distribution and layout
- Advise, assist, and occasionally direct drafting personnel in performance of their assigned duties
- Review own work to ensure accuracy (rather than depend on peer review)
- Associates Degree in a technical discipline with at least 5 years experience as an Electrical Designer in an industrial plant environment

Qualifications for electrical designer

- 1-4 years experience in electrical engineering design (Previous experience in mining, forestry, or industrial process or power generation/distribution industries is a definite asset)
- Experience taking drawings from conceptual design through construction documents
- Good understanding of electrical components and configuration in data centers (Generators, Switchgear, UPS, ect)
- Experience in the establishment and management electronic drawing filing

- Excellent organization skills in archival & maintenance operations of project documents
- Organized and have the ability to set priorities and meet deadlines