



Example of Electrical Designer Job Description

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Our growing company is looking for an electrical designer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for electrical designer

- Assist Senior Electrical Engineer with reviewing scope of work documents for electrical related design work and producing conceptual layouts
- Provide design support for low and medium voltage electrical systems (50/60 Hz) for power generation, transmission and distribution systems
- Creating electrical buildings system design plans from engineering concepts
- Developing construction drawings utilizing AutoCAD and REVIT (as needed)
- Plant grounding and lightning protection
- Single lines and power distribution
- Cable sizing for medium and low voltage
- Cable tray layout and sizing for medium, low voltage, and instrumentation
- Field inspection of plant sites and equipment
- 24VDC schematics for power, control and shutdown circuits

Qualifications for electrical designer

- Experience with AutoCAD, Microstation V8i, SmartPlant, Bentley Raceway and Cable Management
- Recent plant modification package development and/or field experience on power plant or industrial projects is a plus
- 4 years CAD experience in the area of electrical building design & services
- Experience using Revit to design and coordinate large electrical projects
- Working knowledge of building engineering and construction technology

