

Job Title Junior Electrical Design Engineer
Department Technical / Engineering
Reporting to Senior Design Engineer / Senior Application Engineer

Position Description

Purpose of the position

The *Electrical Design Engineer* will illustrate electrical systems from specifications, source control drawings, sketches, models, prototypes and instructions.

Duties and Responsibilities

The Electrical Design Engineer will prepare electrical construction drawings which include:

- Instrumentation diagrams
- Electrical single line diagrams
- Detailed electrical schematic diagrams
- Cable and cable tray layout
- MCC, PLC and I/O panel drawings
- Generate bill of materials, wire and cable schedule

Qualifications

- Degree in Drafting or Electrical Engineering
- Drafting skills with good understanding of P&ID's, Electrical symbols, Electrical drawings, MCC, PLC and Control panel layout.
- Proficient in using drafting software such as:
 - AutoCAD
 - AutoCAD Electrical
 - Eplan
 - E3 or any electrical drawing software
- Can effectively communicate in verbal and written in English language
- Resourceful
- Can work with minimal supervision
- Keen attention to detail
- Knowledge in Electrical system and design is an advantage
- At least 2 years relevant drafting experience