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Title:

Electrical Draftsman Position Description

OVERVIEW

An Electrical Draftsman, under direction from Electrical Engineers, will create detailed electrical schematics for the electrical control systems of automated systems developed by V&N.

RESPONSIBILITIES

1. Create electrical schematics per Electrical & Mechanical Engineering directions.
2. Sustain expert level capability in using Auto CAD Electrical symbols and PLC symbols
3. Sustain working knowledge of model/layout space and dimensioning components
4. Be able to create/generate reports from the electrical schematics.
5. Familiarity with ANSI/ASME Y14.1 drawing standards and ISO 9001 standards related to drawing configuration.
6. Proficiency with Microsoft (MS) Word, MS Excel, MS database, and LISP programming.

TASKS

1. Creating electrical schematics and control rack, panel, enclosure layout drawings per Electrical & Mechanical Engineering directions.
2. Creating and modifying electrical symbols and panel layout blocks using AutoCAD Electrical
3. Creating drawing component layouts in 3D
4. Creating/generating reports from the electrical schematics. i.e. drawing index, PLC, wire, and cable from/to lists.
5. Working in and modifying project BOM's to aid engineers in procurement process.
6. Communicating with suppliers to obtain and confirm information on products necessary to complete electrical schematics and layouts.

EXPERIENCE/TRAITS

- 5+ Years of experience with Auto CAD Electrical and at least two years using the intelligent features within the CAD program. Familiarity with AutoCAD Electrical 2010 or higher.
- Ability to work as a team member in a dynamic environment with rapidly changes.

EDUCATION

Associates Degree in Drafting or Equivalent Training and Experience