



Position Description

Position Title:	Electrical Systems Drafter
Position Status:	Permanent Full Time
Position Location:	North Vancouver, BC
Reports To:	Engineering Manager

Position Overview

As part of Canal's electrical engineering team, the incumbent will analyze information (such as sketches, datasheets, measurements, and descriptions) provided by engineers, naval architects, and designers and translate it into technical illustrations for complex equipment and systems, such as power, communication, navigation, monitoring, control, and propulsion wiring as well as physical layouts and arrangements of components and equipment.

The incumbent will ensure design processes continually improve to meet the needs of upstream and downstream stakeholders.

Position Responsibilities

The Electrical Systems Drafter is responsible for:

- Developing and maintaining CAD drawing templates
- Developing, maintaining, and improving design libraries, tools and processes, including those required for the efficient transfer of data between models and other databases and reports
- Developing and maintaining quality control and assurance procedures for drawings
- Preparing electrical wiring drawings such as cable diagrams and termination drawings
- Developing component and equipment layout and arrangement CAD drawings
- Collaborating with internal and external engineering personnel to receive instructions, provide feedback and resolve design issues
- Liaising with production personnel to clarify design details and receive feedback for improvements
- Providing material such as technical illustrations for documentation and manuals
- Mentoring and supporting less experienced drafters and others who use drafting software less frequently

Position Location

The incumbent will work out of CANAL's North Vancouver office and be available for collaboration and meetings during normal office hours. There are minimal travel requirements for this position with less than 5% of working hours away from the office.

Position Requirements

Education & Experience:

- Diploma in Electrical or Mechanical Engineering Technology
- Proficiency with AutoCAD
- Proficiency with Cadmatic, Navisworks and/or other CAD software is an asset
- Experience with electrical single line and schematic drawings
- Experience with databases is essential

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- Working knowledge of electrical circuitry and design is an asset

Skills:

- Analytical problem solving and decision-making
- Ability to work effectively within a team environment and across multiple projects
- Ability to manage a diverse workload while prioritizing time and resources
- Effective communication, interpersonal, and customer relation skills
- Proficient at the intermediate level in the use of MS Office products, including Word, Excel and Outlook