



Wescan Construction Services
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Job Description

Construction Surveyor / CAD Technician

Company Overview

Wescan Construction Services has been a leader in the construction industry since 1978, renowned for delivering the highest quality building services. Our commitment to innovation is reflected in our use of cutting-edge technologies such as 3D and BIM modeling, precision surveying equipment, and prefabrication techniques.

Position Overview

Wescan is hiring a self-motivated individual to join our construction technology team. The successful candidate will have field experience in construction and surveying, also office experience with CAD drafting and 3D modelling. This is a multifunctional position supporting our field teams as well as our planning department. An understanding of electrical, mechanical and structural systems is an asset. Reporting to the VDC manager, the candidate will provide site layouts, progress/quality reports, model development, accuracy checks, participate in team meetings and handle their workload with a professional approach.

Responsibilities

- Design – Ensure modeling and spooling methodologies are understood and incorporated into design documents
- Review all work for accuracy before handing off
- Clash Detection and Prevention – Analyze the design and identify any clashes. Produce and manage a clash register. Coordinate and run clash detection with consultant and sub trade models.
- Quantity take off – Oversee extraction of key data from the project model to produce a schedule of material quantities to support accurate estimating and production tracking.
- Working with detailers to make their layouts a reality
- Electrical distribution, panels, conduit and cable modeling
- Mechanical pipe modeling
- Basic element creation
- Measuring, dimensioning and rules
- Exporting data



- Complete as-built drawings from RFI's, PCN's and red marked drawings from construction to develop "conformed to construction records"
- Model electrical components using vendor submittals and electrical designs

Requirements

- Ability to translate 2D drawings into 3D **B**uilding **I**nformation **M**odel
- Drafting / 3D modeling experience including AutoCAD, Revit Suite, MEP, eVolve Electrical, BIM360, Trimble Field Points, Navisworks and Revizito.
- Intermediate working knowledge of Microsoft Office (Word, Excel, Outlook) and BlueBeam / Adobe Acrobat
- Read and understand schedules and scope of work
- Understanding of current construction practices and sequences
- Demonstrated ability to take initiative and proactively address challenges and/or gaps in the VDC process
- Ability to succeed under and meet strict timelines
- Great attention to detail and the ability to creatively solve problems
- Ability to be flexible and work in a fast-paced environment
- Excellent communication, multi-tasking and leadership skills
- Effective English language verbal, written, reading and interpersonal communication skills
- Eligible for Canadian Security Clearance
- Proficient with Autodesk suite (AutoCAD, REvit, Navisworks)
- Field experience with Trimble RTS, GNSS, Field Link or comparable equipment
- Proficient with Windows computers, Microsoft suite (Excel, Outlook, Word)
- Valid Class 5 Drivers license

Skills & Characteristics

- Construction technology
- Understanding of survey fundamentals
- Experience with positioning instruments and manual layout tools
- 3D modelling of building systems (Mechanical and Electrical)
- Understanding of BIM workflows
- Construction industry experience
- Job site experience
- Great verbal communication (English)
- Great written communication (English)
- Physically capable of carrying 50lbs over great distances
- Takes direction, applies knowledge to tasks, willing to learn, trustworthy



- Adaptable to working in changing conditions and harsh environments
- Excels in a team environment
- Driven to provide value through work ethic

NOTE: The Job Description is not all-inclusive. Employee may perform other related duties as negotiated and assigned to meet the ongoing needs of the organization.
