Job Title: BIM Coordinator/BIM Modeler (MEP)

Location: Ottawa, ON
Employment Type: Full-Time
Experience Level: Skilled

About the Company

Alliance Engineering & Construction has been delivering exceptional mechanical and electrical design and construction services in the National Capital Region for over a decade. With a management team boasting over 100 years of combined industry experience, we have successfully contributed to a wide range of projects, including new commercial developments, retrofits, and system replacements. Committed to fostering a collaborative work environment, we host various corporate events such as summer barbecues, Friday lunches, and team-building activities, creating a culture that values teamwork and connection.

About the Role

Are you passionate about Building Information Modeling (BIM) and ready to advance your career in the MEP industry? We are seeking a motivated BIM Coordinator/Modeler with a strong foundation in Mechanical, Electrical, and Plumbing (MEP) systems, proficiency in Revit, and a commitment to professional growth. Reporting to the BIM Manager, this role provides an excellent opportunity to collaborate with experienced professionals, contribute to innovative projects, and grow within a supportive and dynamic environment.

Key Responsibilities

- Develop and manage MEP BIM models using Autodesk Revit, ensuring accuracy and compliance with project requirements.
- Coordinate with architects, engineers, and other stakeholders to resolve design conflicts and achieve project goals.
- Conduct clash detection between electrical/mechanical systems and building components and resolve issues using tools like Navisworks or similar software. Perform 3D coordination to ensure integration with other trades and disciplines.
- Prepare and deliver detailed shop drawings, schedules, and other construction documents.
- Prepare as-built documentation and Trimble point layouts.
- Design and modify parametric Revit families to meet project requirements.
- Produce detailed spool drawings and fabrication sheets for pre-construction purposes.
- Develop Revit models and drawings from sketches, annotations, and mechanical/electrical system designs.
- Collaborate with project teams to meet drafting and modeling requirements.
- Design mechanical system layouts in coordination with electrical, structural, and architectural elements.
- Create and manage Revit worksets while maintaining a strong understanding of the work-sharing process.

Qualifications and Requirements

Educational Background:

- Degree or diploma in Engineering, Architecture or a related discipline.
- Postgraduate Certification in Building Information Modeling (BIM) is highly desirable.
- Proven experience in BIM modeling and MEP system coordination is advantageous.

Experience:

- At least 2 years of hands-on experience with Revit and AutoCAD.
- Advanced proficiency in Autodesk Revit and other BIM-related tools such as Navisworks, AutoCAD, and Trimble SysQue.

Software Proficiency:

- Advanced knowledge of Revit, including the ability to create and manipulate families, views, sheets, schedules, filters, and more.
- Proficiency in Autodesk Navisworks, Autodesk Design Review, and 3D layout and design tools.
- Working knowledge of MS Word, Excel, Bluebeam, and other relevant applications.
- Proficient in utilizing additional tools such as Bluebeam, BIM 360, Dynamo, and Revizto.

Required Skills:

- Ability to read and interpret 2D plans, both digitally and on hard copy.
- Experience with plotters, printers, and reproduction systems used in-house or on-site.
- Solid understanding of MEP design principles, construction standards, and building codes.
- Strong problem-solving, organizational, and communication skills (verbal and written).
- Excellent time management with the capacity to handle multiple projects simultaneously.
- Strong interpersonal skills and the ability to collaborate effectively within a team.
- Capability to take verbal and written instructions and translate them into detailed design documents.

Benefits:

- Permanent/Full-time
- Salary range: $65,000 to $85,000 annually
- Extra-Long Summer Weekends
- Health & Dental Coverage
- RRSP/DPSP plan
- Young & Dynamic Environment
- Inviting New Office Space
- Free parking
- Vehicle KM reimbursement

How to Apply:

If you are enthusiastic about utilizing BIM technology to deliver impactful designs and excel in a dynamic work environment, we would love to hear from you. Please submit your resume along with a concise portfolio to hr@allianceme.ca