



BIM MANAGER (MEP)

Alliance Engineering & Construction • Ottawa, ON

Employment Type: Full-Time | Level: Senior /
Management | Clearance: Reliability

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 an experienced BIM leader ready to drive digital delivery and virtual construction across high-profile MEP projects? We are seeking an accomplished, forward-thinking BIM Manager to lead our Virtual Design and Construction (VDC/BIM) department. Reporting directly to executive leadership, you will oversee modeling and coordination teams, establish and enforce company-wide BIM standards, implement cutting-edge workflows, and ensure the seamless execution of MEP projects from pre-construction through prefabrication and turnover.

KEY RESPONSIBILITIES

- **Strategy & Standards Leadership:** Develop, implement, and maintain company-wide BIM/VDC standards, Revit templates, parametric family libraries, and standard operating procedures (SOPs).
- **BIM Execution Planning:** Author, implement, and manage project-specific BIM Execution Plans (BEPs) aligned with owner, general contractor, and consultant mandates.
- **Coordination & Clash Resolution Oversight:** Lead multi-trade 3D coordination and clash detection processes using Navisworks and Revizto; chair coordination meetings to drive rapid, constructible conflict resolution.
- **Team Leadership & Mentorship:** Direct, mentor, and supervise BIM Coordinators and Modelers; establish upskilling and continuous training programs in advanced Revit, SysQue, and computational modeling tools.
- **Prefabrication & Digital Layout Integration:** Oversee the generation of MEP fabrication spool sheets, bills of materials (BOM), and digital field layout points (Trimble Field Points/RTS) to optimize off-site prefabrication and site installation.
- **Cloud & Common Data Environment Administration:** Administer Autodesk Construction Cloud (ACC) and BIM 360 platforms, overseeing project onboarding, user permissions, model synchronization, model publishing, and workset structures.
- **Process Automation & Technology Evaluation:** Identify opportunities for digital workflow optimization; introduce computational scripts (Dynamo, Revit API/Python) to streamline modeling tasks and automate QA/QC audits.
- **Cross-Functional Project Delivery:** Collaborate closely with Project Managers, Estimating, Prefabrication, and Field Operations to align BIM milestones with project procurement, budget, and construction schedules.

QUALIFICATIONS AND REQUIREMENTS

Educational Background & Certifications

- Bachelor's Degree or Advanced Diploma in Mechanical/Electrical Engineering, Architecture, Construction Management, or a related discipline.
- Professional BIM Certification (e.g., CanBIM Professional Level, Autodesk Certified Professional, or Postgraduate BIM Management Certification) is highly desirable.

Experience

- Minimum 6–8+ years of progressive BIM/VDC experience in the AEC industry, with at least 2–3 years in a BIM lead, coordination lead, or management capacity.
- Comprehensive knowledge of Mechanical, Electrical, and Plumbing (MEP) systems, building codes, and constructability standards.
- Proven track record leading multi-trade coordination meetings and delivering complex commercial/institutional projects from tender to handover.

Software & Technical Proficiency

- Core Modeling & Detailing: Advanced expert proficiency in Autodesk Revit (MEP), AutoCAD, and MEP detailing tools (e.g., Trimble SysQue or Fabrication CADmep).
- Coordination & QA/QC: Expert mastery of Autodesk Navisworks Manage, Revizto, and Bluebeam Revu.
- Cloud Collaboration: Solid administrative experience with Autodesk Construction Cloud (ACC) and BIM 360.
- Automation & Layout: Proficiency with Dynamo visual scripting; working knowledge of Trimble Field Points and Robotic Total Stations (RTS).
- Strong understanding of model auditing, work-sharing workflows, and digital construction document delivery.

Core Competencies & Security

- Demonstrated leadership, team-building, and conflict-resolution capabilities.
- Exceptional verbal and written communication skills with the ability to articulate technical BIM workflows to non-technical stakeholders, clients, and field teams.
- Strong organizational and project management acumen, capable of balancing resources across multiple concurrent projects.
- Security Requirement: Must be eligible to obtain and maintain a Government of Canada Reliability Security Clearance.

COMPENSATION, BENEFITS & HOW TO APPLY

What We Offer:

- Permanent, Full-Time Executive Position
- Competitive Salary: \$105,000 – \$130,000+ (commensurate with experience)
- Extended Health & Dental Coverage
- Group RRSP / DPSP Matching Plan
- Extra-Long Summer Weekends
- Professional Development & Training Allowance
- Inviting New Office Space with Free Parking
- Vehicle KM Reimbursement

How to Apply:

If you are an experienced BIM leader looking to drive innovation and shape the future of virtual design and construction in the National Capital Region, we would love to hear from you.

Please submit your resume along with a portfolio or project overview to:

hr@allianceme.ca