



BUILDING ENGINEER (MECHANICAL)

Job ID: 46021

Job Category: Engineering & Technical

Division & Section: Toronto Building, Scarborough Plan Review

Work Location: 150 Borough Drive (Scarborough Civic Centre)

Job Type & Duration: Full-time, Permanent

Salary: \$112, 280 - \$149, 247, Wage Grade 7.5

Shift Information: Monday to Friday, 35 hours per week.

Affiliation: Non-Union

Number of Positions Open: 1

Posting Period: 02-MAY-24 to 16-May-24

Reporting to the Manager Plan Review, the Building Engineer (Mechanical) examines mechanical, fire protection, architectural and electrical plans and specifications for projects submitted by applicants for building and demolition permits for compliance with Ontario Building Code requirements, other By-Laws and standards, and for structural adequacy, and to carry out duties in accordance with the Professional Engineers Ontario Code of Ethics and the Professional Engineers Act.

Major Responsibilities:

- Examines electrical and mechanical drawings including architectural, fire alarm, detection and suppression systems to determine compliance with Ontario Building Code requirements, and evaluates alternative proposals, including consultant's reports.
- Interprets the requirements of the Ontario Building Code in the area of expertise using good engineering practice and judgements. Provides technical assistance on code interpretations and degree of compliance indicated by documents, and provides solutions to problems.
- Manages and prioritizes large projects and assignments to ensure effective delivery of services.
- Provides supervision to project staff, as required.
- Conducts regular meetings with all internal and external stakeholders to provide technical advice on code interpretation to building plans, resolve conflict and provide solutions to ensure compliance.
- Liaises with Fire Services, Toronto Water, Planning, Engineering and Construction Services Divisions, Plan Examiners and Building Inspectors to interpret requirements of the Ontario Building Code, Fire Code, and applicable Standards and City By-laws, and decide on the degree of compliance indicated by plans and specifications, and to provide guidance and expertise.
- Evaluates reports on alternative solutions to present building regulations submitted by architects, engineers or fire protection consultants in order to determine whether the proposal provides the level of performance required by the Ontario Building Code, based on merit and engineering principles.
- Responds verbally and/or in writing to all inquiries from internal and external stakeholders regarding building requirements of the Ontario Building Code.
- Conducts site inspections with Building, Heating, Plumbing and Toronto Fire Inspectors to evaluate, investigate and resolve problems of complex technical nature including mechanical failures on site.
- Provides technical advice, and prepares expert witness reports to City Lawyers.
- Appears and gives evidence in court on Building Code and other building regulatory matters, and gives presentations at the Building Code Commission in matters of disputes over Building Code interpretation.

- Prepares written reports as necessary.
- Participates on interview panels as required.
- Develops and implements detailed plans, and recommends policies regarding program specific requirements.
- Manages assigned projects, ensuring effective teamwork and communication, high standards of work quality and organizational performance and continuous learning.
- Evaluates, makes recommendations, and prepares reports on unusual site conditions affecting building systems and design.
- Conducts research into specific topics, ensuring that such research takes into account developments within the field, corporate policies and practices, legislation and initiatives by other levels of government.
- Provides advice to district and divisional management team, as requested.
- Assists Plan Review Manager with large and complex projects, and assists in preparation of Conditional Permits, as required.

Key Qualifications:

Your application must describe your qualifications as they relate to:

- Status of a qualified Engineer as defined by Professional Engineers Ontario, and registration with Professional Engineers of Ontario, or possession of a license as a professional engineer in good standing in another Canadian engineering association, with ability to obtain license with Professional Engineers Ontario (P.Eng.).
- Considerable experience as a Building Engineer/Plan Examiner or in mechanical design.
- Considerable experience applying Ontario Building Code requirements pertaining to one or more of the following disciplines: mechanical, plumbing, or fire protection.
- Possession or ability to pass the tests for the following Ministry of Municipal Affairs BCIN qualification requirements for building officials: General Legal, Building Services, and Plumbing All Buildings.
- Proficiency in computer applications such as Microsoft Office Suite (i.e., Microsoft Word, Excel and PowerPoint), Outlook, Amanda and other engineering or architectural software.
- Knowledge and understanding of all aspects of mechanical analysis and design, building construction, building sciences and related legislation.
- Knowledge and ability to apply the Ontario Occupational Health and Safety Act and Regulations relevant to building construction.
- Proficiency with electronic markup and review software such as Adobe Acrobat Pro/Standard or Bluebeam Revu.
- Excellent verbal and written communication skills.
- Good interpersonal, problem-solving and conflict management skills.
- Effective teamwork and communication skills, high standards of work quality and organizational performance, and a commitment to continuous learning and mentorship.
- Ability to plan, organize and manage work with minimal supervision, and complete assigned duties accurately and within timelines.
- Ability to handle confidential and sensitive information with discretion and tact.
- Ability to support the Toronto Public Service values to ensure a culture that champions equity, diversity and respectful workplaces.

Certificate of Certified Building Code Official from the Ontario Building Officials Association is an asset.

Toronto is home to more than 2.9 million people whose diversity and experiences make this great city Canada's leading economic engine and one of the world's most diverse and livable cities. As the fourth largest city in North America, Toronto is a global leader in technology, finance, film, music, culture, and innovation, and consistently places at the top of international rankings due to investments championed by its government, residents and businesses. For more information, visit jobs.toronto.ca or follow us on Twitter at [Twitter.com/CityTOjobs](https://twitter.com/CityTOjobs), on LinkedIn at [Linkedin.com/company/city-of-toronto](https://linkedin.com/company/city-of-toronto) or on Facebook at [Facebook.com/CityTOjobs](https://facebook.com/CityTOjobs).

How to Apply:

For more information on this and other opportunities with the City of Toronto, visit us online at <https://jobs.toronto.ca/jobsatcity/>. To apply online, submit your resume, quoting **Job ID 46021**, by **Thursday, May 16, 2024**.

Equity, Diversity and Inclusion

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Accommodation

The City of Toronto is committed to creating an accessible and inclusive organization. We are committed to providing barrier-free and accessible employment practices in compliance with the Accessibility for Ontarians with Disabilities Act (AODA).

Should you require Code-protected accommodation through any stage of the recruitment process, please make them known when contacted and we will work with you to meet your needs. [Disability-related accommodation during the application process is available upon request](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US). Learn more about the City's [Hiring Policies and Accommodation Process](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US) < https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US >