



## **BUILDING ENGINEER (MECHANICAL)**

**Job ID:** 30145

**Job Category:** Engineering & Technical

**Division & Section:** Toronto Building, Tor Bldg Scarborough District

**Work Location:** Scarborough Civic Centre, 150 Borough Drive

**Job Type & Duration:** Full-Time, Temporary (12 months)

**Salary:** \$104,340.60 - \$122,595.20, TM0677, Wage Grade 7.5

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

**Affiliation:** Non-Union

**Number of Positions Open:** 1

**Posting Period:** 20-Jul-2022 to 10-Aug-2022

**Additional vacancies are anticipated at various locations across the City of Toronto, including:**

- Etobicoke Civic Centre, 2 Civic Centre Court
- City Hall, 100 Queen Street West

### **Job Summary:**

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 structural adequacy, and carries 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 alarms, detection and suppression systems, to determine compliance with Ontario Building Code requirements, and evaluate 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, and Engineering & Construction Services divisions, Plan Examiners and Building Inspectors to interpret requirements of the Ontario Building Code, Fire Code, applicable standards and City By-laws, decide on the degree of compliance indicated by plans and specifications, and provides 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 a complex technical nature, including mechanical
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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 the district and divisional management team, as requested
- Assists the Plan Review Manager with large and complex projects, and assists in preparation of Conditional Permits, as required

## KEY QUALIFICATIONS

1. Must be a qualified Engineer as defined by Professional Engineers Ontario, and must be registered with Professional Engineers Ontario, or licensed as a professional engineer in good standing in another Canadian engineering association, with ability to obtain licence with Professional Engineers Ontario (P.Eng.).
  2. Considerable experience as a Building Engineer/Plan Examiner or in mechanical design.
  3. Considerable experience applying Ontario Building Code requirements pertaining to one or more of the following disciplines: mechanical, plumbing, or fire protection.
  4. Must possess or be able 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.
  5. Proficiency in computer applications such as Microsoft Office Suite (i.e. Microsoft Word, Excel & PowerPoint), Outlook, Amanda and other engineering or architectural software.
  6. Knowledge and understanding of all aspects of mechanical analysis and design, building construction, building sciences and related legislation.
  7. Knowledge of, and ability to apply, the Ontario Occupational Health and Safety Act and Regulations relevant to building construction.
  8. Proficiency with electronic markup and review software such as Adobe Acrobat Pro/Standard, or Bluebeam Revu.
  9. Excellent verbal and written communication skills.
  10. Good interpersonal, problem-solving and conflict management skills.
  11. Effective teamwork and communication skills, high standards of work quality and organizational performance, and a commitment to continuous learning and mentorship.
  12. Ability to plan, organize and manage work with minimal supervision, and complete assigned duties accurately and within timelines.
  13. Ability to handle confidential and sensitive information with discretion and tact.
  14. 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.

**NOTE:** All City of Toronto employees are required to be fully vaccinated as a condition of hire in accordance with the City's [Mandatory Vaccination Policy](https://www.toronto.ca/city-government/accountability-operations-customer-service/city-administration/corporate-policies/people-equity-policies/covid-19-mandatory-vaccination-policy/) < <https://www.toronto.ca/city-government/accountability-operations-customer-service/city-administration/corporate-policies/people-equity-policies/covid-19-mandatory-vaccination-policy/> >. Candidates will be required to show proof of vaccination during the recruitment process.

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### **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 30145**, by **Wednesday, August 10, 2022**.

### **Equity, Diversity and Inclusion**

The City is an equal opportunity employer, dedicated to creating a workplace culture of inclusiveness that reflects the diverse residents that we serve. Learn more about the City's commitment to [employment equity](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](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US) >.

### **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](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US) >.

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