

Building Engineer

If you are a professional engineer with extensive experience examining plans and specifications for compliance, considering applying your design and construction knowledge as a subject matter expert with the City of Toronto's Toronto Building Division.

Reporting to the Manager, Plan Review, you will examine architectural, structural, mechanical and electrical plans and specifications for projects submitted by applicants for building and demolition permits. Checking for compliance with Ontario Building Code requirements, other By-Laws and standards, and the structural adequacy to carry out duties, you will work in accordance with the Professional Engineers Ontario Code of Ethics and the Professional Engineers Act.

MAJOR RESPONSIBILITIES

Your primary responsibilities as a Building Engineer will be varied, but you will be expected to:

- Receive and register plans, documents, and specifications, and review same for completeness as to specifications, soil reports and approvals from TTC, Works and Emergency Services Division, Provincial Ministry of Health, and other agencies
- Interpret requirements of the Ontario Building Code in regard to the types of fire alarms, detection and suppression systems, as required
- Interpret the requirements of the Ontario Building Code in the area of expertise using good engineering practice and judgements
- Provide technical assistance on code interpretations and degree of compliance indicated by documents, and provide solutions to problems
- Examine architectural, structural, electrical and mechanical drawings to determine compliance with Ontario Building Code requirements, and evaluate alternative proposals, including consultants' reports
- Manage large projects and priority assignments to ensure effective delivery of services
- Provide supervision to project staff, as required
- Conduct regular meetings with owners, agents, architects, engineers, contractors and the public to provide technical advice on code interpretation and applicability to building plans; resolve conflicts and provide solutions to ensure compliance
- Liaise with Fire Services Division, plan examiners and building inspectors to interpret requirements of the Ontario Building Code and decide on the degree of compliance indicated by plans and specifications, and provide guidance, and expertise
- Evaluate 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
- Respond verbally and/or in writing to telephone and written inquiries from architects, engineers and the public regarding building requirements of the Ontario Building Code
- Conduct emergency site inspections with Building, Heating, Plumbing and Fire Department inspectors to evaluate, investigate and resolve problems of complex technical nature; investigate structural failures with recommendations for remedial measures
- Advise City lawyers in preparation of cases by providing technical expertise on construction practices relative to the Ontario Building Code and permit related matters, and represent the City in court and at Building Code Commission hearings as an expert witness
- Prepare written reports, as necessary
- Determine permit fees and other levies/charges, as required
- Participate on interview panels and provide input on performance reviews of plan examiners
- Develop and implement detailed plans, and recommend policies regarding program specific requirements
- Manage assigned projects, ensuring effective teamwork and communication, high standards of work quality and organizational performance, and continuous learning
- Manage large projects and priority assignments to ensure effective delivery of services

- Prepare reports and evaluations, and make recommendations/decisions on unusual site conditions affecting building structure and design
- Conduct research into assigned area, ensuring that such research takes into account developments within the field, corporate policies and practices, and legislation and initiatives by other levels of government
- Provide advice to senior divisional management.

KEY QUALIFICATIONS:

Your application for the role of **Building Engineer** must describe your qualifications as they relate to:

1. Must be a qualified Engineer as defined by the Professional Engineers of Ontario.
2. Extensive experience as a Building Engineer/Plans Examiner, or related design or construction experience in the engineering environment and experience applying the Ontario Building Code.
3. Extensive experience applying Ontario Building Code requirements as they pertain to one or more of the following disciplines: structural, mechanical, plumbing, fire code or architectural.
4. Holding, or being in the process of obtaining, all courses necessary in the following categories per the Ontario Ministry of Municipal Affairs: General Legal, House, Small Buildings, Large Buildings, Complex Buildings, and Buildings Structural.
5. A valid Ontario Class "G" Driver's Licence and access to a properly insured vehicle.
6. Ability to use Microsoft Office Suite (i.e. Microsoft Word, PowerPoint, Excel Outlook), and other software packages.
7. Excellent verbal and written communication skills.
8. Excellent interpersonal skills with the ability to interact and communicate effectively at all levels of the organization and within a team environment.
9. Knowledge and understanding of all aspects of building construction, building sciences and related legislation.
10. Knowledge and ability to apply the Ontario Occupational Health and Safety Act, and regulations relevant to building construction.

A Certified Building Code Official certificate from the Ontario Building Officials Association is an asset.

Salary Range: \$100,773.40 - \$118,409.20 per year

Work for the City you love

Toronto is Canada's largest city, the fourth largest in North America, and home to a diverse population of about 2.8 million people. Consistently ranked one of the world's most livable cities, we are a global centre for business, finance, arts and culture, and are proud to be the Host City for the 2017 Invictus Games. Join the award-winning Toronto Public Service as a Building Engineer within our Toronto Building Division.

How to Apply:

For more information on these and other opportunities with the City of Toronto, visit us online at www.toronto.ca/jobs. To apply online, submit your resume, quoting **File #2272684 X**, by **June 2, 2017**.

Please note that all applicants are encouraged to provide a valid email address for communication purposes. Applicants may receive written correspondence regarding this job posting directly to the email address provided on their resume or to the one used to set up their Candidate Profile if applying on TalentFlow. As an applicant, it is your responsibility to ensure that you check your email regularly.

The City of Toronto is committed to fostering a positive and progressive workforce that is representative of the citizens we serve. We will provide equitable treatment and accommodation to ensure barrier-free employment. In accordance with the Ontario *Human Rights Code*, the *Accessibility for Ontarians with Disabilities Act* and the [City of Toronto's Accommodation Policy](#), a request for accommodation will be accepted as part of the City's hiring process.

If you are invited to participate in an assessment process, kindly provide your accommodation needs in advance. Please be advised that you may be requested to provide medical/other documentation to Human Resources to ensure that appropriate accommodation is provided to you throughout the hiring process.