

**CITIZENS FIRST THROUGH SERVICE EXCELLENCE**

*We have an exciting **Temporary Unionized** opportunity in the **Building Standards Department** for an experienced and motivated individual*

**Building Engineer – Mechanical/Complex Buildings  
3 Year Contract  
(JOB # J0917-0697)**

As one of Southern Ontario's fastest growing cities, with its mix of urban and rural areas, Vaughan is an in-demand place to live and work. Vaughan is considered one of Canada's most family friendly cities with a dynamic and diverse population of over 300,000. With one of the top performing economies, a growing tourism industry and an enviable portfolio of recreational and cultural venues, this is the place where you want to be.

Responsible for the coordination of workflows and processes of the Plans Examiner/Mechanical & Plumbing positions. Conducts comprehensive review and analysis of specialized, complex and innovative high-rise building design drawings, specifications, calculations and reports for compliance with and enforcement of the Building Code Act and Building Code, construction standards, good engineering practices and applicable laws for the purposes of issuing building permits. Systems subject to review include HVAC (heating, ventilation and air-conditioning), emergency life safety, fire alarm, laboratory and infection isolation installations and other specialized systems found complex buildings such as a state of the art hospital.

Provides expertise to internal and external parties on energy efficiency, life safety, health and other specialized mechanical engineering issues. Performs joint site inspections as directed, researches and prepares engineering reports as required, including those associated with alternative solution proposals for innovative designs and special and unusual structures. Calculates building permit, site services and related plumbing fees. Represent the City of Vaughan as a subject matter expert at Building Commission Hearing, inquests and legal proceedings as required.

Able to meet unique demands of complex design-build projects that include frequent and complex design changes requiring immediate response and problem solving ability. Works on-site under adverse environmental conditions and with minimal supervision. Impact of errors and omissions may result in the City being subject to legal action, and/or the public and building occupants exposed to health and safety hazards including those that could lead to loss of life.

*Qualifications and experience:*

- University Degree in Mechanical, Fire Protection or Building Science or suitable equivalent.
- Master Degree in Mechanical, Fire Protection or Building Science or suitable equivalent (preferred).
- Minimum seven (7) years related experience in a municipal building division or construction environment, including five (5) years providing technical guidance to others.
- Successful completion of a combination of the following provincial mandated examination program administered and authorized by the Ministry of Municipal Affairs relating to the Building Code Act and the Building Code in the categories of qualifications set out in the regulation as follows:
  - General Legal/Process
  - Powers and Duties of CBO
  - Small Buildings
  - Large Buildings
  - Complex Buildings
  - HVAC-House
  - Detection, Lighting and Power
  - Building Services
  - Plumbing-House
  - Plumbing-All Buildings
  - Fire Protection
- Eligibility for or full membership in the Association of Professional Engineers of Ontario.
- Eligibility for attaining the Standing of a Certified Building Code Official (CBCO) and remain certified.

- Thorough working knowledge of pertinent legislations and regulations, including but not limited to requirements of the Building Code Act or Building Code, as amended, and Applicable Laws, National Building Code, Model National Energy Code of Canada for Buildings, Ontario Fire Code, National Fire Codes, National Fire Protection Association (NFPA) Codes, Standards, Recommended Practices and Guides, ASHRAE Standards and Handbooks, specialized standards related to hospital construction (CSA Z32 Electrical Safety and Essential Electrical Systems in Health Care Facilities, CSA Z7396 Medical Gas Piping, CSA Z8000 Canadian Health Care Facilities, CSA Z317.2 “Special Requirements for HVAC Systems in Health Care Facilities”, CSA Z317.1 Special Requirements for Plumbing Installations in Health Care Facilities, CSA Z8001 Commissioning of Health Care Facilities, CSA Z317.13 Infection Control During Construction, Renovation and Maintenance of Health Care Facilities) and any other applicable Laws, Acts or Statutes. Fundamental knowledge of design requirements as related to mechanical building systems and services, as well as controls and instrumentation principles and processes.
- Completion of additional Ministry of Municipal Affairs and other technical courses delivered by recognized institutions will be considered base on their merit.
- Competent computer skills/application, records management skills and a thorough working knowledge of database and word processing software applications.
- Excellent analytical, report writing and verbal communication skills, along with the ability to deal effectively and courteously with the public and staff.
- A solid knowledge and understanding of Health and Safety legislation.
- Possesses a valid Ontario Class "G" Driver's license in good standing with access to a reliable vehicle to use on corporate business or the ability to travel safely and efficiently as required on City of Vaughan business.

*Preferred technical or professional qualifications or certifications/designations:*

- Formal training in advanced ventilation and process exhaust system's design, energy modelling, SB – 10 and SB – 12, ASHRAE 90.1 and other building energy efficiency design techniques are required.
- Designation as Project Management Professional, Certified Energy Advisor or LEED Professional, CBCO will be considered an asset.
- Designation as a Certified Fire Protection Specialist (CFPS), Certified Fire Plan Examiner (CFPE) or Certified Fire Inspector (CFI) through NFPA will be considered an asset. ASHRAE, HRAI, NFPA membership will be considered an asset.
- Ability to work outside normal business hours as required and in accordance with the Collective Agreement.

In addition to offering a competitive compensation package, we have a strong focus on health and wellness, including fitness facilities and family-focused benefits.

If you are an energetic person who is interested in bringing your knowledge and passion to the City of Vaughan, please [click here](#) to apply online by **Wednesday, October 4, 2017**.

Please note that only candidates selected for interviews will be contacted.

*The City of Vaughan is committed to diversity and inclusivity in employment and welcomes applications from qualified individuals of diverse backgrounds. The City of Vaughan is also committed to providing accommodations for people with disabilities. If you require an accommodation, we will work with you to meet your needs.*