



Building Engineer, Mechanical

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Posted: Tuesday, June 28, 2022

Job Number: PN-22-23

Job Type: Permanent Full-time, Non-Union

Position Closing Date: Tuesday, July 19, 2022

Choose Barrie

The City of Barrie is a vibrant, progressive, and growing community with deep connections to our heritage, to nature and to the opportunities surrounding us.

Our community values quality of life; the ability to play year-round with 300 hectares of park space, our beautiful waterfront, our lively downtown core and the nearby hills, wetlands, and forests. We also value connections; to our neighbours and the community, to our road and rail network, and to the opportunity Barrie provides to enjoy life.

Everything Barrie has to offer, from the water we drink to the roads we travel on, has one thing in common - municipal workers. Joining a municipality is one of the most rewarding, engaging, and exciting careers you could choose. It is a career you can take pride in knowing that every day you make a positive impact on an entire community. We are one team, with one goal and we all work together to continue making our community great.

The Opportunity

The Building Department is part of the Infrastructure and Growth Management Division. The Building Department is responsible for administering and enforcing the Ontario Building Code to ensure the safety of the City's residents. This includes processing permits for construction of dwelling units, and industrial, commercial and institutional buildings, as well as conducting site inspections, and responding to complaints/enquiries that relate to building construction and grading.

Reporting to the Supervisor of Building Services, Plans Exam, the Building Engineer, Mechanical is responsible for conducting comprehensive review and analysis of specialized, complex and innovative 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, 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. Represent the City of Barrie 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.

Our Culture and Qualifications of the Job

Corporate Culture

- Your workplace values align with our corporate values of ***Strive, Share and Care*** and you want to join us in providing exceptional services and programs to build a prosperous, growing and sustainable community

Education (degree/diploma/certifications)

- Four (4) year University Degree in Mechanical, Fire Protection or Building Science or suitable equivalent
- Completion of Professional Engineer (P.Eng) Licence from the Professional Engineers of Ontario (PEO) Professional Engineer acquired upon hire
- Eligibility for and willingness to obtain Registered Building Official with the Ministry of Municipal Affairs and Housing (MMAH) Successful completion of a combination of the following provincial mandated examination program administered and authorized by the Ministry of Municipal Affairs. • 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 within 180 Days
- Eligibility for and willingness to obtain Building Code Identification Number Valid Building Code Identification Number (BCIN) from the Ministry of Municipal Affairs and Housing (MMAH) Upon Hire

Experience

- Five (5) years of experience performing duties related to the above mentioned major responsibilities

Knowledge/Skill/Ability

- Working knowledge of the following legislation, regulations, or requirements: Ontario Building Code Act and Ontario Building Code with expert knowledge of specialized HVAC system requirements
- Thorough knowledge of the following legislation, regulations, or requirements: 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. Fundamental knowledge of design requirements as related to mechanical building systems and services, as well as controls and instrumentation principles and processes.
- General knowledge of the following principles and standards: Municipal government services and
- Working knowledge of the following principles and standards: Building design and construction principles; building construction methods to evaluate the construction of mechanical systems and specialize systems and current traditional and/or contemporary building industry issues, trends and best practices with expert and specialized knowledge with regards

- Demonstrated Ability to:
 - exercise discretion and judgment when handling confidential, sensitive, and/or controversial information
 - maintain a high standard of public relations at all times
 - perform in a manner which is consistent with corporate goals, vision, mission, and values
 - interact effectively and courteously with all levels of staff and contacts in a political and community/client service environment
 - develop, promote and maintain relationships with internal and external stakeholders
 - exercise discretion and judgment in order to make sound decisions
 - communicate information and ideas in writing in a manner that can be understood by others
 - verbally communicate information and ideas in a manner that can be understood by others
 - work under pressure to meet deadlines and/or peak period workloads
 - exert effort to lift, push, pull, or carry objects for short periods of time
 - read and interpret building plans with respect to plumbing systems, heating systems, backflow and cross connection requirements and on site sewage systems
 - conduct inspections to assess and evaluate the construction of mechanical and plumbing systems
- Intermediate skills include: Analytical; Customer Service; Decision Making; Interpersonal; Mediation; Multitasking; Organizational; Prioritization; Problem Solving; Project Management; Public Relations; Record-keeping; Research; Time Management; Verbal Communication; Written Communication
- Basic computer literacy using the following systems and software: Microsoft Office Suite (Access, Outlook, Word) and the Internet. Bluebeam by Revu.
- Intermediate computer literacy using the following systems and software: Permit and inspection tracking software (Accela or other)
- Availability to accommodate deadlines or peak period workloads that may extend beyond designated normal workday hours or normal hours per week

Conditions of Employment

- Full membership in Association of Professional Engineers of Ontario
- Satisfactory Criminal Record Check*

Please note that this is a requirement of the position for any new employees to the City of Barrie in accordance with the **Police Record Check Procedure. Existing employees will be grandparented from this requirement.*

Other Important Information

Location: City Hall, 70 Collier Street, Barrie, Ontario*

Please note the City has recently launched a **Hybrid Work Program Procedure and pilot program for 2022 that may allow a hybrid work arrangement for employees who meet the eligibility requirements.*

Hours: The normal hours of work are 40 hours per week; however, some non-standard hours may apply.

Wage: This a permanent full-time non-union position with the following pay level and 2022 pay range:

- *Pay Level:* Level 13
- *Yearly Salary:* \$102,627.20 to \$130,977.60 per year
- *Hourly Pay Rate:* \$49.34 to \$62.97 per hour

Benefits: This position includes a comprehensive non-union benefit plan, including but not limited to extended health and dental coverage, life and accident insurance, paid vacation and sick days, short/long term disability plans, OMERS pension plan, discounted rate for City Fitness Memberships and much more.

Don't meet the credentials as outlined but have years of directly related experience? Please see the City's **Education Equivalency Procedure** to determine if you may qualify for equivalency. Further information is

available at www.barrie.ca/JobOpps.

- Position Equivalency Code: F

Please note that verification of educational credentials will be required from the preferred candidate prior to an employment offer.

The City of Barrie is an equal opportunity employer, dedicated to creating a workplace culture of inclusiveness and welcomes applications from qualified individuals of diverse backgrounds. We are committed to providing barrier-free and accessible employment practices and we will accommodate the needs of applicants under the Ontario Human Rights Code and the Accessibility for Ontarians with Disabilities Act (AODA) throughout all stages of the recruitment and selection process. If contacted for an employment opportunity, please advise if you require Code-protected accommodation and we will work with you to meet your needs.

Disclaimer: The job posting has been designed to indicate the general nature and essential duties and responsibilities of work performed by employees within this position title. It may not contain a comprehensive inventory of all duties and responsibilities required of employees to do this position. For full position details, please request a copy of the Job Description by emailing HR.Recruitment@Barrie.ca.

We thank all applicants and advise that only those selected for an interview will be contacted.

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