

CITY OF HAMILTON

UPDATED: JANUARY 2023

PLANNING & ECONOMIC DEVELOPMENT DEPARTMENT

(BUILDING DIVISION – BUILDING ENGINEERING – LOCATION – 71 MAIN ST. W., 3rd FLOOR)

BUILDING ENGINEER

SUMMARY OF DUTIES

Reporting to the Manager of Building Engineering, and under the supervision of the Supervisor of Building Engineering, assists in ensuring and providing a living environment free of safety, health and fire hazards through plan examination, site inspection and advising professionals on regulatory requirements.

GENERAL DUTIES

Examines and reviews permit plans and specifications for compliance with Ontario Building Code, Zoning bylaw, Building bylaw and other applicable laws.

Examines and analyzes structural systems, life support systems, including smoke control measure, building services and fire suppression system.

Determines adequacy of submitted specifications and details to ensure safety of occupants, including suitability of used materials.

Comments on acceptance or rejection of alternative solutions.

Advises and assists design professionals in design of buildings by engaging in preliminary design discussions to provide technical design information, materials evaluation and code interpretation.

Attends Provincial Bylaw Court or Ontario Supreme Court to give evidence on Building Code infractions and engineering analysis.

Provides evidence to Provincial Professional Association to assist in interpretation of Code of Ethics.

Researches and prepares technical comments to various civic committees. Attends various committees in representation of written comments for the department.

Witnesses and certifies test of life support systems including fire alarms, sprinklers, etc.

Performs site inspections to assess or determine unsafe conditions.

Prepares site inspection reports and recommendations.

Provides verbal and written technical advice to public and staff on site conditions.

Assists the building inspection and plans examination staff in interpreting regulatory requirements.

Works in accordance with the provisions of all applicable Health and Safety legislation and all City of Hamilton corporate and departmental policies and procedures related to Occupational Health and Safety.

Performs other duties as assigned which are directly related to the responsibilities of the position.

QUALIFICATIONS

1. Bachelor of Engineering from a recognized university and eligible for designation as a Professional Engineer in Ontario, and related work experience.
2. Qualified under Ministry of Municipal Affairs and Housing qualification and registration program under the Ontario Building Code Act as a “Qualified Inspector” with the following categories:
 - General Legal/Process
 - Small Buildings
 - Complex Buildings
 - Building Services
 - Building Structural
 - Plumbing All Buildings
 - On-Site Sewage Systems.
3. Significant knowledge of building regulations and construction procedures.
4. Must possess construction background in field techniques and modern construction practices and/or formal building design experience.
5. Frequent up-to-date training/seminars on an ongoing basis to maintain technical expertise in construction techniques.
6. Demonstrated ability to organize and prioritize workloads.
7. Excellent written and verbal communication skills combined with the ability to work with diverse groups to reach solutions.
8. Must demonstrate a commitment to customer service and public safety.
9. Must be familiar with Microsoft suite of computer applications (Excel and Word) and the Windows Operating System.
10. Good knowledge of AMANDA permit system is an asset.
11. Good knowledge of the City of Hamilton is an asset.