

FIRE PROTECTION ENGINEERING AND CODE CONSULTING



RJ Bartlett Engineering Ltd has a thorough knowledge of fire safety requirements in building codes, fire codes, and their referenced standards.

Involvement in committees dedicated to the development of these codes and standards provide staff with an understanding of the origin and intent of these provisions.

Experience on projects in many jurisdictions provides **RJ Bartlett Engineering Ltd** with a comprehensive background on the correct application of code requirements.

RJ Bartlett Engineering Ltd can assist in the assessment and selection of building designs. Building code and fire code provisions, as well as additional requirements of authorities having jurisdiction, all have an impact on any design. Staff can explain these requirements and indicate the many options pertinent to each design.

Both new and existing buildings can provide a unique challenge to any designer in meeting code requirements. Where these requirements would normally impose impractical requirements on a design or could not feasibly be incorporated into a design, alternative solutions can be developed.

An alternative solution is an approach to meeting code requirements which provides a level of life safety that meets the intent of the code and is acceptable to the authority having jurisdiction.

Typical projects include:

- Working with owners and architects during concept design stages providing advice on all avenues available for complying with code requirements.
- Evaluating existing buildings and developing options for fire safety is accomplished through such means as performance-based analysis to satisfy prescriptive code requirements. Other means include application of numeric evaluation tools such as the Canadian Hospital Fire Safety Evaluation System.
- Preparing “code summaries” where applicable requirements from codes are documented in a brief report, which is used by the designers and authorities throughout the project.
- Negotiating approvals for building features that do not satisfy the prescriptive code requirements but satisfy the intent of the code requirements. This allows for flexible, practical and innovative building features.
- Providing fire safety advice for owners, designers, and contractors.



RJ Bartlett Engineering Ltd.

FIRE PROTECTION IS OUR BUSINESS

RJ Bartlett Engineering Ltd has been providing fire protection engineering solutions since 1987.

Services are provided for clients and projects throughout Canada, several US States, Bermuda, the Caribbean, and Europe from its offices in Fredericton, NB and Halifax, NS.

RJ Bartlett Engineering Ltd specializes in fire protection engineering, building code consulting, and investigative engineering. Capabilities include design of fire protection systems, building and fire code consulting, development of alternative solutions, fire hazard analysis, fire safety planning, commissioning, and investigative engineering.

The goal of **RJ Bartlett Engineering Ltd** on any project is to ensure that the overall design meets both the fire protection and life safety objectives of the Codes and Standards as well as the requirements of the client/owner from both an economic and design standpoint.

Our Quality Management System (QMS) for all levels of the organization enables our commitment to a program of continuous

improvement. This commitment to quality supports our goal of remaining an industry leader in providing quality fire protection engineering and building code consulting services.

Please refer to our website at www.rjbartlett.com for more information.

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"RJ Bartlett Engineering Ltd can quickly determine the problems and propose solutions to satisfy the building department and often save our clients money. It is always a pleasure to consult with their staff who are practical, professional and diligent at maintaining deadlines, which are sometimes very tight."

—Nigel Thompson, WalterFedy