



Stephen R. Côté, P.Eng.

Senior Structural Engineer

Licensed Professional Engineer in Ontario, Alberta, and British Columbia

Contact

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Professional Summary:

Stephen Côté is a Senior Structural Engineer with over 17 years of experience in structural engineering, specializing in forensic investigation, failure analysis, and post-loss assessment of buildings and structures.

His work focuses on determining the cause and extent of structural damage arising from design deficiencies, construction errors, material failures, and environmental loading events. He is routinely engaged to provide engineering opinions for insurance claims, civil litigation, and dispute resolution matters.

Mr. Côté's assessments are based on site investigation, document review, and engineering analysis, with application of the Ontario Building Code and other relevant standards. He regularly provides repair versus replacement recommendations and prepares technical reports intended for legal and insurance use.

Areas of Expertise:

- Structural failure investigation and root cause determination
- Assessment of design and construction deficiencies
- Building code compliance (Ontario Building Code and applicable standards)
- Repair versus rebuild analysis and scope development
- Post-loss structural assessment (fire, impact, snow, wind, water, vibration)
- Forensic site inspections and documentation
- Preparation of expert engineering reports for litigation and insurance claims
- Structural analysis of wood, concrete, steel, and low-rise building systems

Education:

McMASTER UNIVERSITY

2005

Bachelor of Engineering, Civil Engineering

Core Courses included: Structural Mechanics, Steel Structures, Reinforced Concrete Design, Bridges and Structural Systems, Design of Low-Rise Buildings (Wood and Masonry), Geotechnical Engineering I and II, Mechanics of Materials, Geometric Highway Design, and Pavement Materials Design, Surveying and Measurement, Fluid Mechanics, Municipal Hydraulics, and Engineering Hydrology.



Experience:

ROAR ENGINEERING

2021 – PRESENT

Senior Structural Engineer

Specializing in structural design for new construction and retrofit of buildings, building science engineering, including moisture management; and environmental remediation for mould and designated substances such as asbestos or lead. Design of fire safety access/egress and fire separations for residential and low-rise buildings.

Primary services include structural analysis of building damage or failures as a result of fire, tree/vehicle impacts, environmental loading (wind/snow) and deficient design/construction. Also prepares any required specifications and drawings for demolition, reconstruction or retrofit to address any loss related structural damages.

Preparation of expert reports for in support of civil litigation or arbitration for structural/building damage claims, including assessment of probable cause of damages and contributing factors, supported by site investigation evidence, document review, design assessment/analysis, as needed.

Design and engineering relating to municipal engineering evaluation and assessment relating to municipal and site servicing systems including stormwater collection and management, earthworks and site grading.

Assess property damage related to fire, explosion, vibration, ground movement, wind load, snow load, flooding, vehicle impact and water (moisture) infiltration; and prepare detailed structural scopes of repair on computer assisted drawings (CAD) complete with specifications and guidelines that reflect present standards and codes.

Provide assessments of property damage and personal injury related to violations of the Ontario Building Code and Occupational Health and Safety Act and Regulations for Construction Projects.

MICHAEL FLYNN & ASSOCIATE LIMITED

2016 – 2021

Senior Structural Engineer

FATHOM ENGINEERING

2012 – 2015

Senior Structural Engineer/ Owner

ROCHON ENGINEERING

2009 – 2012

Structural Engineer

Memberships

- Professional Engineers of Ontario, registered as Professional Engineer (P. Eng.)
- Association of Professional Engineers and Geoscientists of Alberta (P.Eng.)
- Engineers & Geoscientists British Columbia, (P.Eng.)
- National Association of Mould Professionals (NAMP)
- Mould Inspection and Remediation Certification, January 2010

