CURRICULUM VITAE

Claire Miller, B.E.Sc., P.Eng.

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EXPERT SUMMARY

Ms. Claire Miller is Practice Lead of the Building & Fire Code discipline at 30 Forensic Engineering. She graduated from the University of Western Ontario with a Bachelor of Engineering Science in Civil Engineering, with a Structural option. Claire started her career in the building forensics and rehabilitation industry, performing many field investigations, failure analyses, and repair specifications for existing buildings. Since joining 30 Forensic Engineering, Claire has conducted investigations involving compliance with building and fire codes and other construction standards, as well as building failures. Claire has been qualified as an expert witness in matters relating to the field of Civil/Structural engineering and Building Codes in the Ontario Superior Court of Justice and the Supreme Court of Nova Scotia.

SPECIALIZED PROFESSIONAL COMPETENCIES

- Building and Fire Code Compliance Assessments
- Civil and Structural Engineering
- Building Fire Damage Assessments and Construction Failures
- Repair and Restoration of Buildings
- Building Condition Assessments

ACADEMIC BACKGROUND

Bachelor of Engineering Science in Civil Engineering (Structural Option), University of Western Ontario, 2015

ADDITIONAL COURSES AND TRAINING

- OBOA: Inspectors Technique Suite – Soft Skills, Footings, and Foundations, 2025
- OBOA: Inspectors Technique Suite – Framing and Fire Separations, 2025
- OBOA: Inspectors Technique Suite – Insulation, Air, and Vapour Barriers, 2025
- OBOA: Inspectors Technique Suite – Occupancy and Final, 2025
- FCIA: Introduction to Firestop Systems, 2025
- OBOA: Introduction to Plan Examination – Part 3, 2024

- OBOA: Introduction to Plan Examination – Part 9, 2024
- George Brown: Part 3 Fire Protection, 2022
- George Brown: Part 9 The House Building Envelope, 2020
- Amendments to Part 9 of Ontario Building Code, 2019
- Amendments to Stairs, Guards, and Handrails in Ontario Building Code, 2019
- George Brown: Part 9 The House Health and Safety, 2019
- George Brown: General Legal Process and Powers and Duties, 2018

PROFESSIONAL EXPERIENCE

30 Forensic Engineering

Practice Lead, Building & Fire Code
2025 – Present, Toronto, ON

- Leadership of the Building & Fire Code team, including training, mentoring, and managing forensic engineering associates
- Building and fire code compliance assessments
- Construction failure analysis and building damage assessments
- Evaluation of building department inspection records and plans examination
- Drawing review and building permit submissions

Senior Associate, Civil & Structural Engineering, Building & Fire Code
2024 – 2025, Toronto, ON

Associate, Civil & Structural Engineering, Building & Fire Code
2018 – 2024, Toronto, ON

Carvajal Structural Engineers Inc.

Structural Designer
2015 – 2018, Toronto, ON

- Field investigations assessing building conditions
- Preparation of written technical reports and procedures in response to investigations of existing structures
- Structural engineering design, including preparation of technical drawings, calculations, specifications and procedures
- Coordination of the tendering process, including the analysis of bids and providing bid recommendations

Bluescape Construction Management Inc.

Assistant to Project Manager
2014 – 2014, Toronto, ON

- Provided project support to multiple project managers, including evaluation and preparation of tender and contract documents and scheduling meetings with contractors and consultants
- Attended and coordinated office and on-site meetings, documenting key actions in meeting minutes

PROFESSIONAL SOCIETIES AND ASSOCIATIONS

- Professional Engineers Ontario (PEO), Member
- Association of Professional Engineers and Geoscientists of Alberta (APEGA), Member
- Professional Engineers and Geoscientists of British Columbia (EGBC), Member
- Professional Engineers and Geoscientists of Manitoba, Member
- Association of Professional Engineers of Nova Scotia, Member

COURT AND OTHER APPEARANCES

- Qualified as an expert witness in the Ontario Superior Court of Justice in matters relating to the field of Civil/Structural engineering and Building Codes
- Qualified as an expert witness in the Supreme Court of Nova Scotia in matters relating to the field of Civil/Structural engineering and Building Codes

SPEAKING ENGAGEMENTS

- “Construction with an Insurance Mindset,” On Side Restoration, October 2024
- “Post-Loss Remediation: Technical Pitfalls Leading to Cost Escalation,” On Side Restoration, November 2022
- “Multidisciplinary Assessments of Personal Injury Claims in the Barrier Free Environment,” 30 Forensic Engineering Webinar, July 2022
- “Multidisciplinary Assessments of Personal Injury Claims on Stairways,” Lindsay LLP, July 2021
- “Multidisciplinary Assessments of Personal Injury Claims on Stairways,” 30 Forensic Engineering Webinar, May 2021
- Sessional Lecturer, “Forensic Biomechanics: Personal Injury: Stairway Falls”, Undergraduate Course KIN 326, University of Waterloo, Waterloo, ON, 2020 – 2021