

# Graham Clarke, M.Sc., P.Eng., RHI, BSS

180 Station Street, Unit 33, Ajax, ON – graham@clarke.engineer

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Graham Clarke holds degrees in both Mechanical Engineering and Structural and Foundation Engineering and is a Consulting Engineer with 30 years' experience in the inspection of homes and buildings. Mr. Clarke's areas of expertise include standard of care issues in the fields of inspection and construction, as well as the analysis and diagnosis of construction and building failures. Mr. Clarke is also an experienced technical trainer.

## Experience

### **Owner/Consulting Engineer**

Clarke Engineering, Ajax, ON

*June 2014 – Present*

- Operates a consulting engineering practice focused on building inspection, training, and litigation support for construction and home inspection issues.
- Provides inspection services related to mechanical, building envelope, and structural systems.
- Prepares Expert Witness reports related to construction deficiency and professional liability issues.
- Provides technical and soft-skill training for corporate needs and at regional and national building inspection conferences.
- Consults on structural design issues, including helical pile installations.
- Provides thermal imaging inspections with a focus on building envelope performance and leakage issues.
- Qualified as an Expert Witness in Ontario Superior Court and Ontario Small Claims Court

### **Vice President, Engineering**

Carson, Dunlop & Associates Ltd., Consulting Engineers, Toronto, ON

*May 1989 – May 2014*

- Operated the home inspection division of Canada's largest independent home inspection company with day-to-day, P&L, and strategic responsibilities.
- Managed Carson, Dunlop, Rohmann & Associates, the commercial roofing inspection and consulting division of Carson Dunlop.
- Hired, trained, supervised and mentored a technical staff of 12 to 18, including Professional Engineers.
- Performed thousands of building inspections.
- Prepared Expert Witness reports related to construction deficiency and professional liability issues.
- Participated in the development and maintenance of report-writing systems, software and technical resource materials.
- Taught and facilitated numerous training sessions and seminars at regional and national home inspection conferences, Realtor educational sessions, and other events.



CLARKE ENGINEERING

**Instructor**

Seneca College of Applied Arts and Technology, Toronto, ON  
Faculty of Continuing Education and Training  
*September 2001 – December 2019*

- Taught various courses in the Home Inspection Certificate Program, including Plumbing Inspection, Roofing Inspection, etc.
- Worked with educational designers as a Subject Matter Expert to design classroom, online, and correspondence courses.

**Engineering Intern**

Thermaco Engineering Services (1986) Ltd., Mississauga, ON  
*May 1988 – August 1988*

- Performed commercial roofing inspections.
- Assisted thermal imaging surveys of roofing and electrical systems.

**Education****Master of Science – Structural and Foundation Engineering**

Heriot-Watt University, Edinburgh, UK  
*2021*

**Bachelor of Applied Science – Mechanical Engineering**

University of Toronto, Toronto, ON  
*1989*

**Building Science Certificate**

University of Toronto, Toronto, ON  
*2004*

**Ontario Building Code – Part 9: Building Envelope****Ontario Building Code – Part 9: Structural Requirements**

Seneca College, Toronto, ON  
*2015*

**Volunteer/  
Industry****Ontario Association of Home Inspectors**

President (2001 – 2002)

**Canadian Association of Home & Property Inspectors**

Director (2004 – 2009, 2015); President (2015 – 2019); Past President (2019 – )  
Recipient of the Stephen Greenford Award (2009)

**National Certification Authority for Home Inspectors**

Founding Chair (2005 – 2007)

**Canadian Standards Association**

Technical Subcommittee Member (2009 – )

- CSA Standard CAN/CSA-C22.6 No.1, “*Electrical inspection code for existing residential occupancies.*”
- CSA Standard CAN/CSA-A770-16 “*Home Inspection.*”



**Tarion Warranty Corporation**

Consumer Advisory Council – Council Member (2021 – )

**Home Construction Regulatory Authority**

Appeals Committee – Vice Chair (2021 – 2023)

Discipline Committee – Vice Chair (2023 – )

**Real Estate Council of Ontario**

Industry Advisory Group Member (2017 – 2019)

**Ontario Ministry of Consumer and Government Services**

Home Inspector Panel Member (2013 – 2018)

**Credentials**

**Professional Engineer**

Professional Engineers Ontario

**Consulting Engineer**

Professional Engineers Ontario

**National Certificate Holder**

Canadian Association of Home & Property Inspectors

**Registered Home Inspector**

Canadian Association of Home & Property Inspectors

**New Construction Inspector**

Canadian Association of Home & Property Inspectors

**Registered Home Inspector**

Ontario Association of Home Inspectors

**ASHI Certified Inspector**

American Society of Home Inspectors

**Building Science Specialist**

Building Science Specialist Board of Canada

**Ontario Building Code BCIN: Building Structural**

Ontario Ministry of Housing

**Other**

**Ontario Society of Professional Engineers**

Professional Member

**Ontario Building Envelope Council**

Member

**Certified Commercial Property Inspectors Association**

Member

