



CURRICULUM VITAE

RICHARD TREMPE, ARCH., M.Sc.

Richard Trempe is an architect and senior consultant in the building envelope area, he has more than twenty years of experience.

Richard is the Vice-President, Consulting at CLEB, a firm regrouping engineers, architects and other professionals offering specialized consulting services in building science, which the offices are located in Montreal, Quebec City, Ottawa, Truro and New York.

He is an active member of the Quebec Order of Architects (OAQ) since 1993 and has served on various committees. His main fields of activity are building envelope assessments, the forensic services and investigation of building envelope problems related to water infiltration, condensation and deterioration of the various components of wall assemblies, as well as knowledge transfer services.

EDUCATION

Master's Degree in Architecture (2016)

Université Laval, Quebec, Quebec

Bachelor's Degree in Architecture (1990)

Université de Montréal, Montreal, Quebec

College Degree in Pure and Applied Science (1986)

Collège François-Xavier-Garneau, Quebec, Quebec

PROFESSIONAL AFFILIATIONS

Quebec Order of Architects (OAQ)

Building Envelope Council of Quebec (BEQC)

Member of the Quebec Roofers Association (AMCQ)

EXPERIENCE

2005 – PRESENT CLEB BUILDING SCIENCE

Vice-President, Consulting

Richard Trempe is a building sciences and forensics expert of the building envelope (walls, roofing systems, material properties, durability and compatibility of materials and systems).

His interest for knowledge transfer services has resulted in the development and delivery of technical training programs in the field of building sciences.



Richard's professional services are retained by managers, professionals, entrepreneurs or directly by the Courts where he also acted as referee. Richard focuses his practice in the following areas:

- Specific Safety Expertise: obsolescence of existing buildings including the development of remediation strategies;
- Consultations with other architectural firms during the preparation of plans and specifications;
- Research on construction technology and building materials;
- Development of non-traditional methods of technical investigations;
- Intervention programs, preparation of plans and specifications, site reviews in the context of project rehabilitation or envelope rehabilitation.

2008 – PRESENT

QUEBEC ORDER OF ARCHITECTS (OAQ)

As requested by the Order, Richard developed and teaches a course focused on building envelope details.

2006 – PRESENT

CONTECH

Richard is a Lecturer responsible for activities related to the building envelope, including the development and installation of three courses, regularly given in Montreal and Quebec City with architects, engineers and other construction professionals:

- Building Envelope – Basics;
- Building Waterproofing: Causes, Consequences and Prevention;
- Walls and Exterior Cladding Systems.

1994 – 2005

TREMPE ET ASSOCIÉS INC.

As President (1998-2005), Richard was involved in the same areas of activity as described above for Patenaude Trempe Van Dalen Inc.

2002 – 2005

COLLÈGE NOTRE-DAME-DE-FOY

Richard initially acted as a Consultant for the College. He was in charge of the corpus when creating a new specialization in building inspection. His work was later edited and given as a first 35 hours course of general introduction to the shell as well as a specialized 85 hours course on the various components of the building envelope (AEC level students – College Degree). He also taught the Construction I and II regular courses included in the degree program.

1992 – 1994

GROUPE CONSEIL JLA

As an architect and Project Manager, Richard was involved, among other things, in the development of standards and preparation plans (Data CAD and Autocad), in technical investigations and the design and supervision of modular offices for the Beauharnois Complex of Hydro-Quebec.



- 1991 - 1992 JEAN MARTEL, ARCHITECTE
- Richard Trempe as his main functions, the preparation of CAD plans for several industrial projects such as Canadair, CIL and the National Defence, as well as the development of management plans for Chaussegros-de-Léry Complex in Montreal.
- 1990 – 1991 MOLSON
- As a Project Manager in a multidisciplinary team, Richard participated in the restructuring of the Montreal plant: design, transfer to plan & supervision of work, following the Molson - O'Keefe fusion.
- 1989 – 1991 CLINIQUE D'ARCHITECTURE DE MONTRÉAL
- Richard was involved in the implementation of various renovation projects during his student years at the Université de Montréal.
- Job Description. Speaking of yourself in the 3rd person singular.

ADDITIONAL TECHNICAL EDUCATION

- 2010 ADVANCED COURSE
- Building Science Corporation (BSC), Boston
- 2010 ADVANCED COURSE
- Building Regulations, Quebec Order of Architects (OAQ), Montreal
- 2009 WORKSHOP
- 12th Canadian Conference on Building Science and Technology, Montreal
- 2007 ADVANCED COURSE
- Designing and Hosting a Training Course, Montreal
- 2007 ADVANCED COURSE
- Mecanical Building, Quebec
- 2006-2008 COURSE
- Professional Responsibility, Quebec Order of Architects (OAQ), Montreal
- 2002 TRAINING COURSE
- Stone Masonry Conservation, Université de Montréal
- 2001-2005 COURSE
- Building Regulations, Collège de Saint-Hyacinthe
- 2001 PARTICIPATION TO THE ICBEST-2001
- Conference (Building International Conference) on Envelope Systems and Technologies

2016



- 2000 TRAINING COURSE
Contracts, Litigations and Claims, Montreal
- 1993 – 1994 ADVANCED COURSE
DAO, Collège de Saint-Hyacinthe
- 1993 COURSE
Building Regulations, Quebec Order of Architects (OAQ)

SPECIFIC IMPLICATIONS

Voting Member of ASTM International - Technical committee E06 on Performance of Buildings, Standard E2270-05 «Standard Practice for Periodic Inspection of Building Facades for Unsafe Conditions» (2011)

Debater and speaker as part of a personal research project «The Building Envelope: In Quest of a Story to Tell», invited to CEBQ and DCC in Montreal and Quebec City (2010)

Speaker retained as part of the 12th CCBST Montreal Conference, animator and co-host of the 3D workshop on construction details "«The Good, the Bad and the Ugly» (2009)

Co-Chair of Technical Committee and Sustainable Buildings of the Quebec Order of Architects (OAQ) (2003-2007)

Member of Materials and Technical Committee of the Quebec Order of Architects (OAQ) (2000-2003)

Guest speaker for various organizations on topics dealing with research and building technology including:

- Construction Specifications Canada (Montreal, Quebec):
 - «Water leaks in the walls: causes, disorders and prevention» (2005);
- Quebec Building Envelope Council (QBEC) (Montreal):
 - «Ice Dams» (1999);
 - «Service Performance of Conventional Roofing» (2004);
 - «Exterior Walls Systems» - Case Studies (2006);
 - «Correct This» - Workshop on Correcting Construction Details (2007);
- Quebec Home Corporation (CHQ):
 - «Building Preventive Maintenance» (2010);
- Quebec Master Roofers Association (AMCQ):
 - «Roof Performance in operation and maintenance» (2003).
- Quebec Home Builders Association (APCHQ):
 - «Building inspection» Parts 1, 2 and 3 (2005);
 - «Windows, Types, Standards and Work» (2006);
 - «Building Reinsulation: Critical Areas, Thermal Bridges and Others» (2007);
 - «Flashings» (2007);
 - «Building Envelope: Disorders and Other Singularities» (2009);
- Property Managers and Owners Association - Annual Conference (AGPI):
 - «Building Rehabilitation: From Chaos to Order» (2008);
- School Boards Federation - Annual Conference:
 - Preventive Maintenance for Buildings (2010);



- Quebec City (Foremen and “Arrondissements” Direction):
 - «Service Performance of the Building Envelope: Fundamentals and Disorder Detection» (2004);
 - «Introduction to Building Inspection» (2004);
 - «Envelope: Inspection and Maintenance» (2006);
 - «Envelope: the Behavior of In-Service Materials in Service» (2009).

Short technical presentations on specific topics in the Building science field - services retained by a Montreal architectural firm for its technical staff (60 professionals)

Presentation and conduct of conferences and debates - «Green Tuesdays» of the Quebec Architects Order (OAQ) (2007)

Representative of the Quebec Order of Architects (OAQ) at the Parliamentary Commission on Sustainable Development (2006)

Regular participation in various National Conferences and Seminars on the Building Envelope

Member of the part 5 review committee of the 1995 edition of the National Code of Canada (User Guide)

PUBLICATIONS

R. Trempe, G. Desmarais «Rehabilitation of Building Envelope with Large Intra-mural Cavities: Theory, Diagnostic and Implementation», 12th Canadian Conference on Building Science and Technology, Montreal, Canada, 2009.

G. Desmarais, R. Trempe, M. Gonçalves «Why do green building enclosures fail and what can be done about it? », Performance of building Conference, ASHRAE, Clearwater, USA, 2010.

R. Trempe, technical document for Quebec Master Roofers Association and the Roof Consultant Institute concerning the behavior of the bituminous waterproofing roofs, 2007.

R. Trempe, «Entretien préventif des bâtiments », technical guide on Building Maintenance and Prevention for Public Works and Government Services Canada, 1995.

Patenaude Trempe Van Dalen Inc., «Règles de l’art en science du bâtiment durable», 2012.