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January 18, 2017 at 12:00 PM EST

SEISMIC RESTRAINT: NON-STRUCTURAL COMPONENTS

Seismic design is a fundamental aspect of delivering high-performance, functional and safe buildings. While seismic design of structural components – despite its complexity – is often covered in detail by building codes and fairly well understood by designers, requirements for seismic restraint for non-structural components (or operational and functional components) is a more obscure and less well-defined issue. This presentation will attempt to shed some light onto the basics of seismic restraint as it pertains to non-structural components and the implications for Contract Documents and the professionals who prepare them.

At the end of this presentation participants should be able to:

- Understand what earthquakes are and why earthquakes occur;
- Understand the difference between structural and non-structural components in buildings;
- Understand the importance of seismic restraint for non-structural components in buildings;
- Understand the requirements for seismic restraints as they pertain to the National Building Code of Canada

Presenters: Juste Fanou, Jm|F Services and Trevor Caldwell - Tecoustics

Registration: **CSC Member fee is $25 plus GST/HST**
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Please email the registration to info@csc-dcc.ca or fax to 416-777-2197 (Toronto) 1-800-668-5684 (Canada) prior to January 17, 2017. You will receive the information as to joining the webinar the week of January 16, 2017.

Presenters

Juste Fanou, B.Tech (Eng), Dipl. Tech (Arch), CAPM, LEED AP BD+C

As a bilingual Specification Writer, Juste has had a key role in many healthcare, correctional, commercial and other projects. His primary responsibilities include the development of front-end and technical specifications based on research, discussion and analysis of current industry practices. He is also involved in the contract administration of projects where his expertise is often solicited in the evaluation of material substitution proposals, and the interpretation of technical standards.

Juste has a background in both architecture (Sheridan College) and civil engineering technology (McMaster University) and is passionate about high-performance, sustainable buildings. He is currently enrolled in the Building Science Certificate at the University of Toronto, School of Continuing Studies. Juste is also an active member of Construction Specifications Canada and has served in a number of roles and committees with the Toronto Chapter over the years.

Trevor Caldwell, P.Eng

Trevor Caldwell is a Project Leader with Tecoustics Limited. He is responsible for on-site coordination with project site managers, engineers, contractors and consultants on design pertaining to their scope of work. Moreover, Trevor works with mechanical, process, electrical, data, HVAC and similar trades to provide seismic restraint systems to the extent required to meet or exceed all applicable Building Code requirements. His typical projects range from large scale institutional, waste water and water treatment, data centers and high rise residential. Recent seismic projects of note would be Humber River Regional Hospital (Mechanical / Electrical / Med Gas) in Toronto, Niagara Health System Hospital (Electrical / Med Gas) in Niagara, and the CHUM Hospital (Mechanical, Electrical, Special Equipment) in Montreal.

Trevor holds a Bachelor's Degree in Mechanical Engineering Management from McMaster University and is a registered professional engineer (P.Eng) with the PEO. Trevor regularly attends and participates in committees and seminars related to Seismic Restraint in both Canada and the US and has over a decade of experience solving complex engineering problems.