

HIGH RISE TRAINING SERIES

Understanding the Effects of Energy Conservation for Multi-Residential Buildings (Ontario Building Code's SB-10 Requirements for Part 3 Buildings)

Thursday February 27, 2014
8:30AM - 12:00PM

Do you understand the impact on Multi-Residential Construction caused by SB-10 & the requirements of the new model National Energy Code for Buildings (mNECB) (2011)?

This Seminar will introduce builders to the prescriptive requirements (ASHRAE 90.1-2010, ASHRAE 189.1-2009 and other SB-10 revisions) now in effect under SB-10 & provide a glimpse into the future of the effect of complying with the mNECB (2011).

The Ontario Government, through the introduction of SB-10 in January 2012 has telegraphed its intent to develop Ontario into a leader in building energy efficiency. To that end SB-10 now requires new buildings to exceed the mNECB (1997) by 25%. Prescriptive paths are required for those not using energy modelling to achieve these performance levels.

For this seminar particular emphasis will be placed on:

- Common wall systems (e.g. window walls, curtain walls) which are no longer code compliant together with examples of code compliant design options.
- Thermal bridging and the prominence the new code places on continuous insulation in wall systems.
- Fenestration system performance and new code requirements.
- Envelope performance trade-off paths.
- An overview of mechanical and electrical requirements.



Facilitator:

Steve Kemp, PEng, MASC, LEED® AP BD+C



Steve is a sustainable design consultant with MMM Group and the manager of their Building-Sustainability division. His career has been highly varied, starting in energy modeling of low energy cooling where he developed algorithms for desiccant and evaporative cooling processes. He later developed the energy modeling algorithms for a number of software programs modeling HVAC, fenestration and solar systems.

Steve has been a CaGBC faculty member since 2007 and since 1999 has been developing and delivering continuing education workshops to building designers for Natural Resources Canada, Architecture Canada, and numerous other industry organizations. The topics have included renewable energy systems, retrofitting existing buildings, high performance HVAC systems and sustainable design.

When: Thursday February 27, 2014 from 8:30AM to 12:00PM

Where: Thornhill Golf & Country Club

Cost: **\$175+HST** for RESCON / OAA Members, **\$225+HST** for Regular Registrations

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