The New CSA-A440.4 Window, Door and Skylight Installation Standard

The third edition of CSA A440.4 will be released later this year. A team of industry experts, led by the speaker, has extensively rewritten the standard to include up-to-date installation materials and techniques for new construction and existing fenestration product replacement, in low-rise buildings in Canada. Like previous editions, the new CSA-A440.4-07(R2017) Window, Door and Skylight Installation standard is a blend prescriptive requirements where special attention is required to avoid problems that may not become apparent until long after the installation is complete and performance requirements where flexibility is needed to adapt to the wide variety of existing installation practices and different wall and roof construction techniques across the country and to provide guidance for conditions not addressed in the standard.

Changes in include revised installed product tolerances, simplified existing shimming and anchoring diagrams and new diagrams to address combination windows and window and door assemblies, updated requirements for anchorage through mounting flanges, and a simplified method for selecting when sub-sill flashing/rain screen treatment of the rough opening gap is required. New requirements are included for bay and bow windows, windows and doors installed in walls with exterior/continuous insulation, and windows and doors installed into steel stud framed walls. The presentation will include a review and explanation of these and other changes to the standard.

George is a Building Science Specialist in the Ottawa office of MH’s Building Specialty Services team and a member of the MH Façade Engineering team.

He has 30 years of experience in building enclosure design, construction, performance assessment, failure investigation and rehabilitation, with a focus on glazing systems, in buildings of all types.

He is President of the Building Envelope Council Ottawa Region (BECOR), Technical Advisor to the Siding and Window Dealers Association of Canada (SAWDAC), and a member of the Advisory Committee for the Bachelor of Building Science Program at Algonquin College in Ottawa, Ontario.

George Torok, C.E.T., BSSO
Principal, Building Science Specialist
Morrison Hershfield
www.morrisonhershfield.com
gtorok@morrisonhershfield.com