BECOR
Building Envelope Council Ottawa Region

Stephen Thwaites: Le Groupe Fenestra, DalmenPro
BRAG: Window Hardware Rehab To Avoid Window Replacement

The project: 2003 High-Rise Condo
The problem: shrunken weatherstripping, water leakage, sagging, not closing, hardware not locking, restrictors disconnected
Replacement ~$2500/window
The solution: new silicone weatherstripping, re-shimmed glass, replaced original primitive multi-pt lock system with, custom modern sequential multi-pt lock system
Rehab $650/window Everybody wins...

Pouravalen (Valen) Goinden: Senior Structural Engineer, Patterson Group
BRAG: An Engineering Journey Across Borders

- will discuss Professional journey from Mauritius to Canada, with engineering experience across Africa and North America.
- Adaptation to new codes, regulations, and construction cultures (Eurocodes, African and Canadian standards).
- Key challenges: licensing, credibility, and differing engineering practices.
- Lessons learned that shaped a practical, solution-oriented engineering mindset.
- How these experiences have enabled a rather smooth integration as Sr structural engineer at Paterson Group and support effective contribution across all departments.

Sean Gormley: Building Science Consultant, Stantec
BRAG: Water Penetration Testing of All Window Assemblies on a New Building

The presentation will highlight the importance of water penetration testing on a specific building due to the nature of its detailing and construction, and how Stantec is assisting the client as their BECx Consultant during construction.

Jordan McNally: Ph D. student, Carleton University – CABER, NRCAN
BRAG: Investigation into Hygrothermal Performance of 4 Retrofit Panel Designs Installed Over Masonry Veneer Facade

As the industry pivots to prefabricated exterior over cladding, the risk of "trapping" moisture within existing masonry cladding remains a critical failure point. This presentation details an in-situ investigation into the hygrothermal performance of four retrofit panel designs installed over a brick veneer facade. Through a combination of in-situ monitoring, numerical modelling, and physical forensic teardown after one year, this study investigates the relationship between existing cladding moisture levels, panel vapor permeability, and mold growth.
The findings offer a preliminary framework for determining 'how wet is too wet' for overcladding masonry, providing initial relationships on panel permeance and initial moisture content. The variability of material properties and their mold sensitivities are also discussed with physical validation and thresholds for mold sensitivity classes.