



Building Envelope Council Ottawa Region

On-line Webinar – Wednesday, January 26, 11:00 am to 12:30 pm

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## The Brag Sessions

### *A Review of Some Cool Projects*

With the pandemic dragging on, the cold weather upon on us, and many people putting winter travel plans on hold, we could use some ‘happy time’. So, January’s session is dedicated to allowing building envelope professionals to brag about a cool project they have completed. Not only that, to ensure that ‘happy time’, all presentations will show the good in building envelope projects, without dwelling on design or construction flaws.

So, join us next week for to enjoy good presentations about cool projects, and of course (since it’s BECOR), let’s learn some new stuff while we are at it. Presentations include:

- 79-foot Long Low-slope Metal Roof System (by Garland Canada)
- Window Refurbishment is a Cost Effective Option (by Groupe Fenstra)
- 10 Years After: Congress Centre Transformed into Shaw Centre (by Paterson Group).

| Seminar fees  | Premium & Premium Plus Corporate | Individual and Corporate Members | Non-Members            |
|---|----------------------------------|----------------------------------|------------------------|
| <b>Please Register by 12 Noon on Tuesday, January 25, 2022.</b> | Free                             | \$20.00 (includes HST)           | \$40.00 (includes HST) |

**Email [admin@goldenplanners.ca](mailto:admin@goldenplanners.ca) to register for this event**

This seminar is Eligible for 1.0 hour of Core ConEd Credits for OAA Members

**Whether a BECOR member or not, you must register to attend this seminar.**

**We respectfully request that you register for this seminar no later than**

**Tuesday, January 25, 2022, at 12 noon.**

**Please note that no refunds will be provided after this date.**



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## The Brag Sessions

### Designing a 79' Long Metal Roof (Garland Canada)

#### Matt McNeely

As a Building Envelope Specialist, Matt has the knowledge and experience to help develop proper specifications and details for each particular project. Since joining Garland in 2011, Matthew has remained committed to his clients, providing them with superior customer service not only during the project but through the life of the building. He continues to educate himself with industry training that will help translate to better overall service to his customers.



#### Jeremy Vezina

Currently, Jeremy is Garland Canada's Territory Manager for Eastern Ontario. He has an extensive background in the construction industry with numerous roles while a member of the Carpenters Union. Throughout the past two decades, Jeremy has been involved in several large projects, all through Northern and Eastern Ontario. His determination to excel in every aspect of the building envelope is what drew him to Garland. Jeremy joined Garland in 2011.



Matt & Jeremy's presentation will highlight a recent 2021 project Designed by **Hobin Architecture**, Managed by **Warlyn Construction** and the metal roof installed by **Forever Green Roofing**. The Highland Park Cemetery project included a few critical design components that required the services of Garland Engineering:

- Low Slope – 2:12
- Low Sloped valley
- 79' run from Ridge to Eave
- Internal Gutter for water management
- Knee detail transitioning from roof to wall.
- Included a 30-year watertight warranty



## The Brag Sessions

### Window Refurbishment is a Cost Effective Option

#### (Le Groupe Fenestra)

##### Stephen Thwaites

Stephen's bio was not supplied in time to issue this full announcement, but Stephen is known as a very knowledgeable engineer with many years of experience with glazing, and with a penchant for developing unique solutions to difficult glazing issues, and an insistence on quality. Stephen spent many years with Thermotech Windows, and their affiliated companies, and Stephen is now a key senior team member of Le Groupe Fenestra.

Stephen will present a case study of a 25-year old condominium apartment building whose Board of Directors was planning to replace all windows, per a Reserve Fund Study recommendation. However, the building experienced no leaks and very few seal failures, with the building's main problems being hardware failure and difficulty opening/closing the windows. As such, the glazing conditions were suitable for performing rehabilitation instead of replacement. Rehabilitation costs were about one-third of replacement costs, with all glazing restored to good condition and an extended service life.



New window hardware, before & after



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### Ten Years After: Ottawa Congress Centre Transformation (Paterson Group Inc)

#### Steve Laviolette P.Eng

Steve grew up with a strong interest in architectural design of homes, then studies structural design before pursuing a career in Building Envelope Engineering. After developing into a Senior Engineer at his first firm, Steve started his own B.E. firm in 1996, and later merged his firm with Paterson Group in 2004. Currently, Steve is Paterson's Senior Building Envelope Engineer and Director of the Building Sciences Division. With 35 years in the field, Steve has amassed a wealth of experience with a wide variety of building envelope and clients; with services ranging from building assessments, performance investigations, rehab design/specs, site review and contract admin, and building envelope design consultations



Steve's presentation will provide a look back at one of Ottawa's most interesting building projects, when the old Ottawa Congress Centre was transformed into new Ottawa Convention Center, with a re-opening in 2011 (renamed Shaw Centre in 2014). While Ottawa has experienced an unprecedented run of major construction projects over the past 10+ years, the OCC transformation was at the beginning of this run, and the OCC redevelopment was the most prominent project at that time. Of particular note was the City's desire for an 'iconic' building, with the success of that 'iconic' status largely due to the distinctive Novum glazing which forms almost entire west elevation, facing Colonel By Drive and the Rideau Canal. While there are many interesting aspects of this project, Steve's presentation will focus on the unique building envelope design, and the efforts that went into it's construction, testing and inspection.

