BECOR
Building Envelope Council Ottawa Region

On-line Webinar

Wednesday, February 16, 2022

Noon – 1:00 pm

Canada's First Community Housing for Veterans — Built to the Passive House Standard

MHI Veterans' House: The Andy Carswell Building is Canada's first community housing project specifically designed for veterans. Located on the former Rockcliffe Air Base, this three-storey, 40-unit apartment building provides safe, healthy, and affordable housing for veterans. Sustainable architecture firm, CSV Architects, designed the residence to meet the Passive House Standard to improve occupant health and well-being, and reduce its environmental impact. Energy modeling shows that the building has a 43% energy use reduction and 57% carbon reduction relative to the National Energy Code of Canada for Buildings 2015 reference model. This was achieved through super-insulated and sealed building envelope, optimization of mechanical systems, and thorough commissioning. The unique building envelope features 11 7/8" deep Larsen trusses filled with blown cellulose insulation. High-durability materials were also used throughout to reduce life-cycle costs and maintenance.

This presentation will cover the Passive Housing Standard for Cold climates, "back to the future" Larson truss assemblies, the benefits of working with an engaged Construction Manager, and other lessons learned from building MHI Veterans' House.

Seminar fees	Premium Corporate	Individual and Corporate Members	Non-Members
	Free	$20.00 (includes HST)	$40.00 (includes HST)

Email admin@goldenplanners.ca to register on-line for this event

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Presenters

Stephen has a comprehensive understanding of whole building performance arising from his work at Natural Resources Canada (NRCan). As a researcher in sustainability for buildings, his tasks included: operations energy modelling; embodied effects modelling; building enclosure thermal & moisture modelling, and design facilitation for high-performance buildings. Any of these skills can be brought to a new project should the need arise.

Stephen is a longstanding member of the architectural and sustainability community. He has an eighteen-year relationship with the ATHENA Sustainable Materials Institute, serving as Chair of the Board of Directors for the last ten years. He has participated on the public advisory committee of the Algonquin College Bachelor of Science in Building Science program since 2013. Stephen participated on the Ontario Association of Architects Subcommittee on Building Codes and Regulations for fifteen years, ending in 2020. While at Natural Resources Canada, he joined the ASHRAE Technical Committee 7.1 leading to co-authorship of the 2019 ASHRAE HVAC Applications Handbook chapter on integrated building design and integrated project delivery. As a representative of Natural Resources Canada, or the Ontario Association of Architects he has delivered over 100 professional development lectures on building energy performance and sustainability since 2001.

Jessie Smith is a Principal Architect with a wide range of experience delivering sustainably designed spaces. Jessie has developed a specialty in delivering multi-unit, affordable, and supportive housing projects. Other key projects include daycare centres, community centres, and office spaces. Jessie is an advocate for efficiency in all aspects of design and project management. She is passionate about sustainable design as a way to improve occupant comfort and well-being. Jessie is a LEED® Accredited Professional and a Green Globes Professional.

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
Monday, February 14, 2022, at 12 noon.

No refunds will be provided after this date.