

Lunch and Learn Technical Seminar

Wednesday, June 12, 2019

12:00 (noon) – 2:30 pm

Amadeo Room,

Sala San Marco, 215 Preston Street, Ottawa, Ontario

Thinking Outside the Box *Alternative Options for Sustainable Design*



Foundation Thermal Storage Battery Lagoon and Digester.

SHEbuild, a regional home builder and innovation group led by Bradley Robinson, has been around for a few decades in Wakefield, Quebec just north of Ottawa. Their aim has been to design, develop and build sustainable homes with innovative technologies that employ holistic approaches to reduce the carbon footprint.

WEB Block Structural System.

To that end, they have developed the Whole Earth Building (**WEB**) Block structural system that addresses the reuse of surplus materials destined for landfill sites. Considerable testing has gone into its development along with design analysis for sustainable design flexibility. The structural system is combined with a warm thermal storage anaerobic digester water system and a cold layer of filtered water storage beneath



the living spaces to provide sustainable water utilization within the entire structure. Waste water is digested to produce heat and gray water recycled. Purified water is used to feed exterior buffer zones filled with year round garden activity along with household activities. Exterior buffer zones also provide environmental separation for living spaces to the exterior and serve as year round spaces for garden activities.

Andrew and Bradley will discuss the WEB Block structural system, the integrated water and thermal storage systems. The focus will be on how their innovative solutions provide a holistic approach to reducing the cost of residential projects along with the carbon footprint in both the initial construction and the entire life cycle of the structure. They will present a wide variety of different projects along with details of new projects in the works.



Presenters:

Andrew McKay

Builder, Sustainable Home Environment

Andrew McKay is a professional builder, living and working around Wakefield Quebec since 2002. He has invoiced over 18,000 hours in residential construction projects, consultation, research, development, design, and education. Inspired by Permaculture, he intends to help evolve a healthy sustainable culture.

Bradley Robinson

Founder, Builder, Mathematician, Sustainable Home Environment

Building innovative structures since the early 90's Bradley has gradually built a comprehensive knowledge of what *true sustainability* looks like in the built environment. Addressing the big issues such as waste and climate change, Brad has merged these issues into a cost effective structure that provides a smart technology platform for the 21st century.

Seminar fees		
Premium Corporate	Individual and Corporate Members	Non-Members
Free	\$30.97 + \$4.03 (HST) = \$35.00	\$53.10 + \$6.90 (HST) = \$60.00

[Click here to register on-line for this event](#)

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

Monday June 0th, 2019 at 12pm (noon).

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

This seminar is Eligible for 1 hour of Structured ConEd Credits for OAA Members