



EDMONTON SECTION

Canadian Society for Civil Engineering

CSCE DINNER PRESENTATION NOTICE

October 18, 2018

University of Alberta Faculty Club, 11435 Saskatchewan Drive

Alberta Gaming & Liquor Commission Center

Michael Swanson, M.Eng., P.Eng., MBA

Benjamin McNab, B.Sc. (Mathematics), B.Sc. (Civil Engineering), M.Eng., P.Eng

BPTEC

Abstract

The new Alberta Gaming and Liquor Commission (AGLC) Liquor Distribution Centre will be the primary facility in AGLC's warehouse network, handling all fast moving product and serving as the central hub for order assembly and shipment. The warehouse, located in St. Albert, is 543,000 square feet, with 470,000 square feet dedicated solely to warehouse space. The warehouse is roughly the size of eight football fields and has the storage capacity of over 70,000 pallets of product.

The structural challenges of the project involved unfavorable geotechnical conditions, necessitating a structural slab supporting 40 foot high, reconfigurable racking that still had to meet a "very flat" floor specification. Over 2800 continuous flight auger piles and 7,000,000 pounds of structural steel were required to meet the demands of this \$142 million facility.

Speaker Bios

Michael Swanson, M.Eng., P.Eng., MBA is a partner with BPTEC Engineering specializing in building structural engineering. His design and construction experience over the last 14 years spans a diverse range of infrastructure, institutional, and private sector projects. Recent projects include the AGLC Warehouse and the Edmonton New Remand Centre.

Benjamin McNab, B.Sc. (Mathematics), B.Sc. (Civil Engineering), M.Eng., P.Eng is a structural engineer with BPTEC Engineering with an unusual background. A journeyman rodbuster with a degree in mathematics, he settled between the two in structural engineering, and provides an academic approach while minding practical sensibilities. Recent projects include the AGLC Warehouse, Elk Island Catholic School Central Learning Services Office and Shop, and the Wye School Replacement.



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DINNER PRESENTATION DETAILS

Date: October 18, 2018

Location: University of Alberta Faculty Club, 11435 Saskatchewan Drive

Cocktails Registration – 5:30pm
Dinner – 6:30pm
Presentation – 7:30pm
Closing Remarks – 8:30pm

Student Members - \$15.00
Student Non-Members - \$20.00
CSCE Members - \$30.00
Non-members - \$40.00

Please assist us in forecasting attendance by registering at least two days in advance via website at www.csceedmonton.ca. An additional \$5 drop-in fee will be applied to individuals not pre-registered.

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