



Walton, Ontario

Owner | Chris & Judy Lee

ARCHITECT | Blakestyle Design & Drafting

CONTRACTOR | DJ Henry Homes and Renovations Inc.

BUILDING ENVELOPE | Build SMART E-Wall

You can Build SMART, just about anywhere...

Located in the center of a 10-acre plot which consists of 1 acre of reforested uplands, 5 acres of wetlands and 4 acres of naturalized wildflower meadow recently retired from agricultural production, [the Lee residence is a dream come true!](#) With the Build SMART E-Wall System complete with windows and doors installed, arriving May 2018 and completely constructed less than a month later the dream could not have been realized as quickly and efficiently under classical construction methods.

BUILD BETTER. BUILD FASTER. BUILD SMART.

PERFORMANCE TARGET | None

COST/SF | \$199

SIZE | Two Stories 2,160 square feet

COMPLETION DATE | November 2018

AIR TIGHTNESS | 0.43 ACH₅₀

EXTERIOR WALLS | E-Wall: 7.5" EPS + 2x4 w/ 3.5" blown fiberglass, R-48, U = 0.118 W/m²K (0.02 Btu/h.sf.F), Thickness = 14.3 in (364 mm) incl GWB and service cavity minus exterior cladding.

VENTILATION | CERV2 by Buildequinox

HVAC | AMVIC Earthtube, CERV2 heat pump energy recovery and conditioning, Duct heater Electro Industries 5000W inline

PHOTOVOLTAICS | 100-kWac Solar Array System

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LEAF RESIDENCE