



Rear View - LivelyUp Café



After renovations [2012]

## LIVELYUP CAFÉ



**This rural home, located in McDonalds Corners Ontario, is both a private residence and vegetarian café. It is a retrofit/addition of a 1930s farmhouse and is Certified LEED® for Homes Gold.**

Building assemblies include R-45 walls, R-60 roofs, R-30 slab-on-grade and foundation, R-10 below-grade slabs and airtightness <1.0 ACH50, achieving EnerGuide 90 before renewables, and ERS 94 once PV and solar thermal are added.

A high-efficiency wood gasification boiler with geothermal backup in the adjacent strawbale office / studio provides heat to a thermal storage tank, which is then distributed throughout both buildings via radiant floor and wall panels. The renewable biomass fuel for the boiler is sourced on-site from the 5 acre sugarbush.

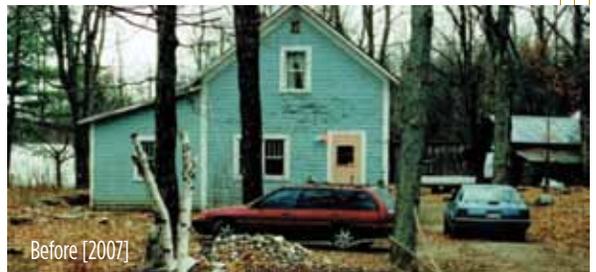
The materials for the building were chosen due to their beauty, durability, fire resistance and low maintenance. The curved walls of the café use true R-40 ICFs for mass and continuous insulation, while other areas employ advanced framing with FSC certified wood.

The existing house and side addition were clad with cement board siding, while the café's walls have a granite facing that was locally sourced. Metal roofing was chosen as a long lasting material that is fully recyclable at the end of its lifespan, with unvented soffits for enhanced fire safety.

The project was designed by Linda Chapman Architect and built by Ross Elliott, President of Homesol Building Solutions Inc., Ontario's leading provider of environmental building and energy design consulting services.

A Certified Passive House Consultant and LEED-AP with over 30 years of experience as an energy auditor, licensed carpenter and custom homebuilder, Ross and his team of consultants work with homeowners, designers, and builders, providing cost-effective energy design solutions.

Twice awarded the EnerQuality Evaluator of the Year award [2007, 2011], Ross received the EnerQuality Hall of Fame award in 2014 for making a lasting impact on energy efficiency and green building.



Before [2007]



Strawbale Home Office / Studio

### LEED FOR HOMES GOLD SCORE CARD:

Innovation & Design Process	1.5/11
Location & Linkages	3/10
Sustainable Sites	11/22
Water Efficiency	5/15
Energy & Atmosphere	26/38
Materials & Resources	10/16
Indoor Environmental Quality	17/21
Awareness & Education	1/3
<b>TOTAL</b>	<b>74.5/136</b>