

Campbell Cottage

LOCATION	East Bay, NS
SIZE	1563 sqft.
# BEDROOMS	3
ESTIMATED HEATING	\$291
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FOUNDATION	R-34 Slab-on-grade
WALLS	R-55 TJI double wall
ROOF	R-110 Wood truss
HEATING	Electric Baseboard with programmed thermostats
VENTILATION	96% efficiency ERV with ground loop preheat for supply air
COOLING	Passive nighttime cooling
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DESIGN	Passive House E-Design
ENERGY CONSULTING	Passive House E-Design
BUILDER	Owner Passive House E-Design support

- The simple forms of an efficient Passive House can be enlivened by making great "outdoor rooms"; in this case a dramatic clerestory window and wood burning fireplace on the veranda.
- As a future retirement home, the design incorporates Lifetime for Homes guidelines for accessibility, allowing the owners to stay in their home as they age.
- The site was perfect for Passive House, and allowed us to take full advantage of great lake views and ample solar access.
- One solar thermal hot water panel supports domestic hot water for this large family.

We knew very little about the practicalities of building an energy efficient home when we started our project with Natalie. It became clear very quickly that she has a unique combination of skills - listening, vision, technical, practical and construction management among them.

We are thrilled with the way our home/cottage in Ben Eoin has combined lake views, natural light, family spaces and the utmost in efficient energy usage, under Natalie's guidance." ~ Peter Campbell

