

Mackenzie Residence

Edmonton, Alberta, Canada



Effect Home Builders earns prestigious EnviroHome designation with the help of Advantage ICF System®

Les Wold of Effect Home Builders is one of only a handful of builders in Alberta to receive the EnviroHome designation from the Canadian Home Builders' Association, a program that selects the best-of-the-best green homes across Canada. The certification recognized the Mackenzie residence, an extremely sustainable 2,423 sq. ft. craftsman style home in Edmonton, Alberta.

"One of the joys of the home was it allowed for a traditional look and feel, but with the hidden technology that made it very energy efficient and environmentally friendly," said Wold.

Using a whole house design strategy, Wold focused on cutting energy use by creating an airtight building envelope with the Advantage Insulating Concrete Form (ICF) System®. Purchased from Totem Building Supplies, the Advantage ICF System creates a solid wall with a monolithic layer of expanded polystyrene insulation that virtually eliminates heat loss.

"ICFs are the best way of building an airtight home," he said.

"They are one of the fundamental components and we try to build everything around them."

Wold completed the building envelope with triple-pane argon-filled windows and cellulose attic insulation with recycled content.



A passive solar design collects sunlight through the home's south facing windows and air-locked entrances further reduce heat loss. The home received an EnerGuide rating of 82, qualifying the homeowner for a \$3,000 rebate from the Government of Alberta.

"This is an amazing home and a great model for the future of green construction in Alberta," said Plasti-Fab Representative Doug Dyck. "I'm glad that Plasti-Fab had the opportunity to be part of it."

"Our experience with Plasti-Fab has been excellent," said Wold. "We've worked with different blocks in the past and we've found that the Advantage ICF System is the easiest to work with and the service and support are always there if required. The quality is there, the service is there, and it's a superior block."