

## Retro Barn



### PROJECT OVERVIEW

Project Name:	<b>Retro Barn</b>
Project Type:	<b>Specialty Applications</b>
Location:	<b>New Hamburg, Ontario CA</b>
Size (sq.ft.)	<b>10,206 sq. ft.</b>
Floors:	<b>1 storey</b>
Distributor:	<b>IsoMatrixx Building Supply</b>
Product(s) Used:	<b>Amvic™ ICF &amp; Ampex Panel</b>

### Q+A:

**Q.** What was the major benefit of using Amvic™ ICF over traditional construction methods? Describe how this project maximizes the advantages of ICF construction.

**A.** "This project fully leverages the benefits of Insulated Concrete Form (ICF) construction through its exceptional energy efficiency, durability, and thermal performance. The continuous insulation and airtight concrete core create a high-performance building envelope that minimizes thermal bridging and drastically reduces energy loss. Sustainable design principles were integrated throughout, including high-efficiency HVAC systems & low-flow fixtures.

The structure incorporates spray foam and additional insulation at critical junctions to enhance air tightness, while strategically placed overhangs and high-performance windows optimize passive solar gain and natural lighting. Photovoltaic panels were installed to offset electrical consumption, contributing to its Net Zero Ready status. Energy testing confirmed an impressive airtightness rating, with average monthly heating and cooling costs significantly lower than conventional builds—demonstrating how ICF construction, combined with modern sustainable technologies, delivers superior comfort, resilience, and long-term energy savings."



### Alleguard Advantage

- Rigid continuous insulation
- Speed and ease of installation
- Energy-efficient and sustainable
- Lightweight, durable and easy to handle
- Innovative insulation solutions

Distributor Quote

*“The contractor was selected based on their proven experience and long-standing expertise in building with Insulated Concrete Forms (ICF), specifically Amvic products. Having worked extensively with Amvic’s R30 block on numerous successful projects, the contractor’s familiarity with the system and strong relationship with the brand made them the ideal choice. The decision to use Amvic ICF was driven by its superior energy efficiency, structural strength, and ease of installation, aligning perfectly with the project’s performance and sustainability goals.”*

*IsoMatrixx Building Supply  
Distributor*

