

Shepard Industrial Park

Calgary, Alberta, Canada



Side-by-side buildings show Advantage ICF System® saves 50 percent on construction time

Shepard Industrial Park in southeast Calgary is a light industrial center by Shepard Development Corporation, the development arm of Calgary-based CANA Construction. The park contains five buildings ranging from 18,000 to 32,000 sq. ft. that house as many as 12 tenants each.

Three of the buildings use the Advantage ICF System®, while the other two buildings were constructed with concrete masonry block. According to Shepard's Vice President Christie Simpson, the Advantage Insulating Concrete Form (ICF) System was specified to enhance energy efficiency and speed up construction.

"We chose to use ICFs because of the construction efficiency while building—you are pouring forms that end up as part of the finished wall," said Simpson. "The energy efficiency for end user is also a great marketing feature; and you get the insulating and sound dampening capabilities as well."

The Advantage ICF System delivers a continuous layer of expanded polystyrene insulation with an effective R-value of R-23.5, significantly higher than most block-fill insulation products. Reduced air leakage also has a big impact on energy efficiency, as well as improving occupant comfort by eliminating drafts and cold spots.



The Advantage ICF System can be assembled much quicker than concrete block construction, translating to major cost savings for the developer.

"We put up the ICF building about twice as fast," said Kerry Aymont, the Superintendent on the project. "With block construction, not only do you have less insulation, but moisture can penetrate the block wall, which doesn't happen with the ICFs."

"Plasti-Fab has been extremely responsive, very customer-focused, and willing to come up with solutions that work for the contractor and building owner," said Simpson.