



## DUECK HOMES

**Dueck homes began with a mission to bring affordable green Homes to Winnipeg. Their very first house was built to Manitoba Hydro's Gold power smart standard, and they have never looked back.**

Shortly after they built their first homes, they registered to be R2000 builders. Then, when a client asked them to build a LEED registered home, they were more than ready to proceed. According to Dueck, they had already been building most of their homes to a LEED standard. Now it was just a matter of documenting the process and verifying the LEED eligibility of the various components.

The Parker house was designed to reach the Gold LEED standard. However, since the geothermal was not installed as of the test date the house was awarded Silver. The Geothermal field was installed but not connected until a few years after certification.

Many of the standard features in a Dueck Home were employed in the LEED home. For example, the insulating materials used are Cellulose and Polyiso. The Cellulose was "dense packed" into 2x 6 "smart framed" walls and used to a depth of R60 in the attic. Three inches of Polyiso was used under the basement floor, resulting in an R18 rating. An inch and a half of Polyiso was also used on the outside walls so that they ended up with an R32 rating. The Polyiso also provided a complete thermal break for the house by connecting to the foam on the ICF basement walls.

Other energy saving features include large south facing 2 low E windows, grey water recycling, grey water heat recovery, energy efficient HRV, and LED and florescent lighting. As in all Dueck Homes, no OSB was used inside. The main floors areas are covered with engineered elm rescued from the local city dump and treated with a zero VOC finish.

A home built to LEED standards results in a happier, healthier home. Make your next home a Dueck Home!



**Dueck Homes Inc.**  
**Intelligent Homes!**  
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