



Energy Savings

Arlington Designer Homes is an Energy Efficient Green firm. As a Green Builder we believe in creating a healthier, more comfortable and cost efficient home for our clients. We base our Green building practices on Energy Efficiency and third party raters. We use our Energy partners to help us create and certify a more sustainable home for our clients.

- A HERS rating is a 'miles per gallon' for houses. It is a way to assess how efficient your house is in relation to other code built houses.
- A HERS score goes from 0-100. A code build house, a house built to the minimum acceptable standard has a HERS rating of 100.
- Our base line for homes is 50. This means we build homes that use half as much energy as a code built home.
- Having tracked energy efficiency with past clients I have heard clients tell me that their new ADHC home which is twice as big operates at half the cost of their past home.
- We have a third party test all of our houses. They not only verify that what we installed was installed per manufacturer's specifications but just as importantly they verify that the actual field conditions under which they are operating are as expected and as designed.
- If a house does not have a third party inspection you are just taking the installers word for it that it operates as designed.
- We concrete on four main areas in order to achieve our exceptional ratings:
 - ✓ Proper design and specifications
 - We design appropriate systems for the home. We want to make sure that the HAVC is neither over nor under sized
 - We use mechanical ventilation such as an Energy Recovery Ventilator, to assure that we are exchanging fresh air with stale air in an energy efficient manner.
 - ✓ Air sealing
 - We use an air sealing package to prevent air infiltration. We do this by using spray foam insulation and sealants to seal up all penetrations.
 - This has the added value of keeping moisture and pest out of your home.
 - ✓ Insulation
 - We have developed an advanced insulation system that is not only efficient but is also cost effective.
 - We use different types of insulation in different areas because each areas insulation can be optimized based upon conditions.
 - ✓ Windows and doors
 - Windows and doors are necessarily a part of the conversation in all of the above mentioned. You hope never to have to replace your windows and doors. These are integral part of the systems of the house. As such we choose units that have great factors is: air sealing; insulation and design elements.

- Energy efficiency needs to have a whole system approach. If you approach the project in its totality you will find that there are huge efficiencies that will be gained in other areas of the home. To name a few things such as durability, health and comfort. All of these elements are part of the project as a whole.