

Energy-Efficient Home: Windows Are a Key Factor

Economic realities and environmentally friendly living space can co-exist in to deliver amazing value in new home building and renovations. Using quality materials and products along with carefully considered energy - efficiency strategies can maximize the homes sustainable performance and windows are a key component.

Energy Efficiency Essentials

Starting with a continuous air barrier that's created by a concrete foundation, combined with high-quality sheathing on above-grade exterior walls and on the roofing system. Using thermal break studs instead of traditional ones creates an insulating air barrier between the exterior and interior walls.

Next, proper placement of the mechanicals is key. With proper sheathing and the vapor control provided by specialized adhesive tape, the HVAC system can be maximized requiring less energy to do its job.

Finally, energy-efficient windows are the finishing touch.

Windows Make the Difference

Here's the interesting part. Triple pane window technologies provide superior energy efficiency, durability and low maintenance. At the same time providing the home with a truly impressive level of airtightness.

The right glass is also important for maximizing energy efficiency. It should be selected specifically for the homesite's weather conditions to help maintain a comfortable interior temperature. Having glass that reflects heat in warmer months and helps insulate the interior in cooler months means lower energy bills for the homeowner. Glass can be chosen that filters out UV rays or actually absorb solar energy.

Economy and Quality

When working within a specific budget, it's true enough that the more you spend on the building envelope — including the windows — the less money you'll have available to spend on the mechanicals. However, it's also a fact that if you design the building envelope right, you won't need to spend as much on the mechanicals. A well-constructed envelope yields energy savings and sustainability benefits throughout the lifetime of the home, making it a better choice for the environment and for the prospective buyer.

In particular, experts like All Weather Windows, Durabuilt Windows & Doors, Jeld-Wen Windows & Doors, Quality Glass & Aluminum and Gentek Building Products can provide the right solution.

You can find these exceptional window experts at reginahomebuilders.com or [click here](#).

