

State License #0009965

Poirier Homes



Custom Homes & Designs

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Energy and green features 23 Stockbridge and Advantages of an Energy Star home

The Homes Poirier Homes build are Energy Star Homes, certified by a Home Energy Rater (HER), an Energy Star certified independent agent. The homes are given an energy rating (HERS index) by the agent, and designed to be energy efficient from the planning stages and tested to certify they meet the standard. ENERGY STAR qualified products and practices help you save money and reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. EPA and U.S. DOE. The ENERGY STAR label also designates superior energy performance in homes and buildings. **This home exceeds Energy Star standards by 40%**, and this house will use 49% less energy than a comparable house built to code with fiberglass insulation.

- Windows- Aluminum clad Jeldwin windows energy saver plus insulated dual low e annealed glass preserve film and argon filled. They have a u value of .27.
- Insulation- Closed cell foam insulation sprayed on basement walls and rim joists. Open cell foam insulation sprayed on first and second floor exterior walls, sloped roof sections to collar ties. R-40 fiberglass insulation on attic floor, R-19 fiberglass insulation on garage exterior walls, R-30 open cell installed on garage ceiling. Sound proofing for first floor interior walls with bathrooms, second floor interior walls for all bathrooms, and laundry room. All windows, doors and penetrations on exterior walls will be foamed with low expansion foam
- HVAC- 87% efficient hydro air natural gas modulating boiler. 90% efficient natural gas indirect water heater, and 14.5 sear air conditioning condensers. A energy recovery ventilation unit located in the attic brings fresh air into the house. Sheet metal trunk lines sealed with mastic wrapped with R-7 insulation
- Green features-The siding is fiber cement siding which come prefinished from Certain teed, the manufacturer. The raw materials are low in toxicity – wood pulp, cement, sand and water (recycled up to 4 times). The siding and paint finish are extremely durable:

Longer lasting materials not only require fewer resources for replacement but also reduce maintenance and repair costs. Using prefinished materials reduced the need for painting onsite, and the Unique Colormax manufacturing process bakes on paint in the factory delivers a high quality, consistent finish, and reduces contaminants during exterior painting. A 15-year finish warranty ensures reduced need for repainting in the future.

- The floor joists are Boise Alljoists, a product in compliance with the Sustainable Forestry Initiative (SFI). Boise joists are 50% stronger than dimension lumber with half the wood fiber. Subfloor material is Huber Advantech (another SFI product) and Huber Zip System (SFI) wall sheathing with all taped joints on exterior walls for air and moisture resistance to promote a well sealed building envelope.
- This home has 2x6 exterior walls which gives increased overall structural strength to the house, and increases the space for insulation
- Poirier Homes will continue to monitor new developments in energy conservation and is committed to incorporating them in all of our future homes.