



Energy Star Program



We are one of the few custom builders building homes to the level of the Energy Star program. Qualifying under this program means we are building a home that is 20% more energy efficient than a home built under the IRC Code. Prior to commencement of the home, the plan is analyzed based on our construction specifications to make sure it should pass Energy Star standards. Some of the specifications they look at include HVAC system details, the type of windows we will use, whether we use Techshield on the roof decking, and the insulation we will use.

We will have an Energy Star inspector come out twice to make sure we have constructed your home in accordance with their recommendations. The first inspection is prior to sheetrock. In this inspection they will look to make sure we have constructed a tight building envelope around your home. They will also examine the insulation to make sure there are no voids, and they will examine the HVAC system to make sure its connection is properly sealed (FYI - the average home's HVAC system leaks 20-40%. Our goal is less than 10%).

The second inspection comes when the home is completed. The inspectors will perform a blower door test on the home to quantify its tightness. They will also do a pressure test on each HVAC system to see how much it leaks. Based on these tests and the actual construction specifications they will determine that your home meets Energy Star requirements.

Significant items in your home that will make it an Energy Star home include:

- A. Approx. 14 SEER variable speed HVAC systems that use R-6 flex duct and mastic on all joints and connections.
- B. Insulated Low E glass for your windows and doors.
- C. Techshield roof decking.
- D. Heavy insulation.
- E. Properly framed draft/fire stop.
- F. Foam gaskets at bottom plates.

For more information on Energy Star, visit them on-line at <http://www.EnergyStar.gov>.