

# Just look at these money-saving, comfort-enhancing, health-promoting, Earth-saving reasons for owning a David Weekley EnergySaver home.

## High-performance Air Conditioning and Hard-cast Sealed Ductwork

Our very efficient 14 SEER air conditioning system cools your home with less electricity. Less electricity means less money out of your pocket and reduced power company emissions. Also, to avoid unnecessary cooling of your attic, we've reduced ductwork leakage.

## Recycled Materials

Excess building materials that are re-engineered into stronger, superior products help save a little bit of the environment and deliver a better home. By recycling previously used wood components, then orienting for structural integrity, we better utilize our natural resources.

## Improved Thermal Envelope System

The thermal envelope can be defined as the sum total of the parts of a building separating the exterior environment from the interior. Within this envelope, windows are one of the biggest energy drains. David Weekley Homes minimizes this loss with Low-E energy-efficient glass. Insulation plays an integral role in protecting you from outside temperature extremes. A R-4 block wall and R-13 second floor wood frame wall insulation, along with R-38 ceilings, help you maintain control of your indoor temperature. Sill Seal foam gaskets between the framing and concrete foundation complete the envelope for a well-designed EnergySaver home.

## Bigger is No Longer Better in Air Conditioning

Leaky walls and bad windows once meant huge air conditioning systems. The superior David Weekley Homes building envelope and more efficient ductwork require a smaller air conditioning system. The two main goals of air conditioning are to cool and to dehumidify air for optimum comfort. Our air conditioning systems are sized right and carefully designed using ASHRAE Manual J standards to avoid "short-cycling," meaning they won't shut off before drying the air. You're more comfortable and able to control energy usage better by cooling with a smaller system.



## Water Management

Managing clean, potable water is a crucial part of our EnergySaver home program. By using water-saving shower heads, faucets, and high-performance commodes, we give you the ability to reduce internal water usage and help conserve our most precious resource.

## Cement Board Tile Backer and Anti-fracture Coatings

Mold likes paper as food. Drywall (a paper-backed product) is commonly used behind tile in shower and bath areas. We use cement-based products instead of drywall. We also fill the cement board seams with a rubber-like product called anti-fracture membrane to reduce the prospect of water damage when tile is no longer "water tight."

## Jump Ducts and Air Pressure Balancing

A jump duct is a flexible duct that connects a bedroom or closed room to an open space in the home. This allows the air coming into this closed room to be pushed through the jump ducts (by air pressure) into common areas. This "air blending" helps even out temperatures in your home and also helps the air conditioning system operate more efficiently. You can close your bedroom doors and stay comfortable in a David Weekley EnergySaver home. We think that's a lot better than those large gaps between the door and the floor that other builders are using.

## Third-party Inspections

The more eyes, the better. We perform unbiased inspections on your wall insulation, thermal envelope and HVAC ductwork prior to drywall installation. As part of the inspection process, your home will receive an *Environments For Living* energy audit which utilizes a thermal bypass inspection, a duct blaster and blower door test. The duct blaster test is performed on your HVAC's ductwork before drywall is installed to verify duct leakage is equal to or less than 3%, one of the key components ensuring your home qualifies for *Environments For Living* Energy-Efficient Certification. A blower door test is done after drywall is installed to check the tightness of the home.