



BOULDER CREEK BUILDERS

STEEL RANCH ENERGY STAR & GREEN BUILDING

At Boulder Creek Life and Home, a principle element of our building culture is protecting our environment, as well as making your home as efficient as possible. Energy Star and Green Building technology provides both of these components. All our homes at Steel Ranch are built with these considerations. Below is a list of Energy Star and Green Building components featured in every Steel Ranch home.

ENERGY STAR FEATURE

WHAT THIS MEANS TO YOU

Third Party Insulation Inspections:

Energy Star Compliance adds piece of mind to the construction of your home through an independent review.

Free Blown Fiberglass Insulation:

Formaldehyde free fiberglass insulation fits each cavity perfectly minimizing insulation air gaps thus substantially reducing heat loss/gain.



Advanced Insulation Package: R-23 Wall Cavities R-49 Ceiling Insulation R-11 Garage Wall Cavities

Increases our level of insulation, beyond building code, to provide a more comfortable home resulting in lower energy costs.

Lower Level Wall Insulation:

Foundation walls are insulated to provide for more comfort in the home.

Insulated Headers Above Window & Doors:

Adds to the overall energy efficiency of the home.

Insulated Exterior Doors & Garage Doors:

Doubles the exterior door insulation value.

Low-E Windows with Argon Gas:

Protects fabrics and flooring by reducing UV penetration. Includes lower level windows. Low-E Argon gas filled windows also provide higher insulation values than traditional double pane window resulting in significant savings on energy costs.

Windows Installed with Foam Seal:

Reduces air infiltration and provides more comfort.

Energy-Star Rating:

Inspection includes a Blower Door Test to insure the proper air sealing measures were taken to prevent air leakage. This rating also includes the following appliances:

- **Furnace:** 92% efficient Furnace, Sealed Combustible Air
- **Programmable Thermostat:** Control temperatures saving on energy consumption
- **Dishwasher:** More efficient use providing a savings on fuel cost
- **Range Hood:** Vented to the outside for proper air circulation
- **Air Conditioning:** 13 SEER (seasonal energy efficiency rating)



Return Air Ducts in All Bedrooms:

Allows for efficient air flow between rooms resulting in a more efficient operating furnace and consistent temperatures.

Lower Level Sub-Floor Ventilation:

Allows for air flow below structural concrete floor to minimize moisture build-up.

Advanced Sealing Package:

Seals the total thermal envelope thus reducing air penetration for maximum energy efficiency and maximum comfort in your home:

- Top and bottom plates, Attic Penetrations, Weather Strip Attic Hatch,
- All Mechanical Penetrations & All Window and Doors are sealed

GREEN BUILDING FEATURE

WHAT THIS MEANS TO YOU

Engineered Lumber:

More efficient use of lumber with less waste:

- Roof trusses
- Web-truss floor systems
- Engineered structural beams
- Creates more livable spaces



Ceramic Tile Installed with Low-Toxic Adhesives:

Reduces exposure to toxins.

Advanced Roof Flashing Techniques:

Sheds water away from structure and reduces the likelihood of water penetration resulting in less maintenance and a longer life of the home.

Proper Flashing and Water Management:

Maximizes the durability of the exterior sheathing to properly deflect any water penetrations.

Down-Spout Extensions:

Allows rainwater to flow more efficiently to drainage centers and away from foundations

Aluminum Foundation Forms:

More durable than wood forms thus allowing more usage, and less waste of natural resources.



Composite Decking Materials:

Made of recycled material, better for our climate and reduces use of natural resources, also requires much less homeowner maintenance.

Low-Toxic Mastic Sealed Duct Joints:

Improves air quality and allows efficiency in air flow with no loss of air at the joints. Also minimized noise from air flow.



Carpet - CRI Green Label Plus:

Rigorous testing insuring Low-VOC emitting carpet and adhesives

Carpet Pad Made of 100% Recycled Materials:

Reduces use of natural resources and reduces material going to our landfills.



Certified Composite Wood Trim Materials:

Reduces use of natural resources.

Tankless Water Heater:

On demand tankless water heater provides continuous hot water, longer life span, less CO₂ and NO_x emissions and more than 40% energy savings.

EPA Water Sense H.E.T. (High Efficiency Toilets):

Environmental Protection Agency program utilizing a third party certification process insuring superior performance while using 20% less water and saving the homeowner money.

Advanced Landscaping Techniques & Irrigation System:

Allows the soils to be more responsive with less water use. Irrigation efficiency uses less water, thus saving water and money.