

# BUILT GREEN TECHNOLOGY

At Blue Vista, a principle element of our building culture is protecting our environment, as well as making your home as efficient as possible. Built Green technology provides both of these components as our wee-Cottages are built with these considerations. Below is a list of Built Green components in every wee-Cottage Home.

## BUILT GREEN FEATURE

## WHAT THIS MEANS TO YOU

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<b>Third Party Insulation Inspections:</b>	Built Green Compliance adds piece of mind to the construction of your home through an independent review. Homes are inspected before drywall and at completion.
<b>Blown-In Cellulose Insulation:</b>	Recycled blown-in insulation fits each cavity perfectly minimizing insulation air gaps, thus reducing heat loss/gain substantially.
<b>Advanced Insulation Package: R-21 Wall Cavities R-49 Ceiling Insulation</b>	Increases our level of insulation, beyond building code, to provide a more comfortable home resulting in lower energy costs.
<b>Raised Roof Truss Heels:</b>	Provides consistent R-Values throughout the attic with full depth insulation resulting in minimal heat loss and more comfort.
<b>Insulated Headers Above Window &amp; Doors:</b>	Add to the overall energy efficiency of the home. Headers are typically full of wood and not insulated.
<b>Insulated Exterior Doors:</b>	Doubles the insulation value of the doors.
<b>Carpet &amp; Pad from Recycled Materials:</b>	Reduces use of natural resources and minimizes materials going to our land-
<b>Fiber Cement Siding:</b>	More durable siding requires less maintenance, holds paint longer.
<b>Certified Composite Wood Trim Materials:</b>	Reduces use of natural resources.
<b>Low-E Windows with Argon Gas:</b>	Protects fabrics and flooring by reducing UV penetration. Low-E Argon gas filled windows also provide higher insulation values than traditional double pane window resulting in significant savings on energy costs.
<b>Energy Star Rating:</b>	Inspection includes a Blower Door Test to ensure the proper air sealing measures were taken to prevent air leakage. Average Blue Vista home HERS rating is 68, which means Blue Vista homes are 32% more efficient than code-built homes. The lower the score, the better.

**Blue Vista wee-Cottages are expected to score even better.**

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**Energy-Star Rating** also includes the following appliances:

- **Furnace** 92% efficient Furnace, Sealed Combustible Air-typical furnace is 80%.
- **Water Heater** Renai On-Demand saving on fuel consumption
- **Programmable Thermostat** Control temperatures saving on fuel consumption
- **Dishwasher** More efficient use providing a savings on fuel cost
- **Range Hood** Vented to outside for proper air circulation
- **Air Conditioning** 13 SEER (seasonal energy efficiency rating) optional
- **Refrigerator** Energy Star rated

**Advanced Framing Techniques:** Reduces waste sending less material to landfill & assures maximum insulation cavities.  
2X6 framing (which is better than 2X4) produces thicker walls.  
Studs are 24" apart, not just 16" means less breaks in insulation.

**Engineered Lumber:** More efficient use of lumber with less waste. Engineered products to not use large or old trees.

- Roof trusses
- Engineered I-Joists floor systems
- Engineered structural beams
- Creates more livable spaces

**Advanced Sealing Package:** Seals the total thermal envelope thus reducing air penetration for maximum energy efficiency and comfort.

- Top and bottom plates are sealed
- Attic penetrations are sealed
- Weather stripped attic hatch is sealed
- All mechanical penetrations are sealed
- All windows and doors are sealed

**Properly Sized Mechanical Systems:** Produces a system that runs more efficiently and appropriately for the size of the home.

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<b>Low-Toxic Mastic Sealed Duct Joints:</b>	Improves air quality and allow efficiency in air flow with no loss of air at the joints. Also minimizes noise from air flow.
<b>Pressure Relief Transfer Grills:</b>	Allows for efficient air flow between rooms resulting in a more efficient operating furnace and consistent temperatures.
<b>Advanced Roof Flashing Techniques:</b>	Sheds water away from the structure and reduces the likelihood of water penetration resulting in less maintenance and a longer life of the home.
<b>Ceramic Tile Installed with Low-Toxic Adhesives:</b>	Reduces exposure to toxins.
<b>Proper Flashing and Water Management:</b>	Maximizes the durability of the exterior sheathing to properly deflect any water penetrations.
<b>Aluminum Foundation Forms:</b>	More durable than wood forms allowing more usage & less waste of natural resources.
<b>High Efficiency Low Usage Toilets:</b>	Use 1.6 gallons, reducing water usage and saving money.
<b>Advanced Irrigation Systems:</b>	Drip irrigation and mulching uses less water, thus saving water and money.
<b>Advanced Landscape Techniques:</b>	Climate appropriate plants do not require excessive amounts of water. This allows the soils to be more responsive with less water use.

***For More Information Contact the Blue Vista Sales Office 303 485-5500***