

Eastbrook Energy Efficiency



Steps to E3 Energy Efficiency



Eastbrook is committed to building energy-efficient homes that deliver lasting comfort, lower utility costs, and long-term value through advanced materials, proven building practices, and high-performance products.

Even with the best modern construction techniques, your home still contains hundreds of cracks and seams. These small leaks can add up, creating an opening equivalent to a window left open all year long. Eastbrook believes that preventing air leaks is the first step toward an energy efficient home.

These techniques and processes combine to provide energy savings, sustainable building practices, and more home for the money.

To the right is a visual of the Energy Efficiency steps used in Eastbrook's home building process. Learn about Open Cell Foam Insulation as well as the installation of High-Efficiency, Sustainable, and Low VOC products from our responsible partners.



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1 R-38 Attic Insulation - Lowers Energy Costs

Used in conjunction with Open-Cell Foam Insulation for optimal effectiveness, traditional R-38 insulation serves as a further barrier to heat transfer.

2 Open-Cell Foam Insulation - Lowers Energy Costs and Reduces Noise

Spray foam insulation is your home's first line of defense. Applied as a liquid, Open-Cell Foam expands to form a continuous air barrier, sealing leaks and preventing both active and passive heat transfer. Open-Cell Foam Insulation also offers the added benefits of dampening noise, and improving indoor air quality by reducing infiltration of outdoor allergens.

3 High-Efficiency Light Bulbs - Increases Lighting Efficiency

Provide approximately 90% more lighting efficiency than incandescent bulbs. High-Efficiency bulbs use less electricity, remain cool, save on replacement costs, and provide more light.

4 Micro-Seal Caulking - Lowers Energy Costs

Applying caulking where Open-Cell Foam Insulation can't reach, completes the air barrier that helps maximize the effectiveness of the energy efficiency measures incorporated in your home.

5 HERS Scores

Once construction is complete, each homeowner receives a personalized Home Energy Rating System (HERS) score. This score helps us understand how well your home rates in energy efficiency.

6 Blower Door Testing

Upon completion of construction, a third-party provider performs blower door testing to measure your home's airtightness. This test verifies building performance by ensuring the home is properly sealed.

7 Smart Programmable Thermostat - Lowers Energy Costs

A Smart Programmable Thermostat improves comfort by matching your daily routine with a customized schedule. Combined with modern climate control and remote access, it helps optimize energy usage.

8 Energy Star Appliances - Lowers Energy Costs

Energy Star® appliances deliver the same performance while using less energy, helping lower utility bills and reduce environmental impact. Energy Guide labels make it easy to compare long-term operating costs when shopping.

9 Engineered Floor Joists & Beams from Sustainable Sources - Lowers Energy Costs and Reduces Noise

Boise Cascade® products are engineered for strength, performance, and efficiency. Sourced through Sustainable Forestry Initiative®-certified programs, they support responsible forestry practices, conservation efforts, and waste reduction.

10 Premium Anti-Microbial Paint with Low VOC - Clean and Healthier Home

Sherwin Williams® Scuff Tuff Latex Paint provides a durable, scuff-resistant finish that protects interior surfaces. This award-winning Green Builder Sustainable Product meets MPI and VOC standards for a safer, more efficient home.

11 Low-E Argon Gas Double Pane Windows - Lowers Energy Costs

Jeld-Wen® Low-E windows feature an invisible coating that reflects UV rays, while argon-filled double panes reduce heat transfer. Together, they help keep your home cooler in summer and warmer in winter.

12 L-Corner Framing

L-corner framing, also known as insulated corners, is a method of framing corners using only two or three studs instead of three or four. Reducing the number of studs used allows for more space for insulation and increases your home's energy efficiency.

13 High-Efficiency Furnace & Hot Water Heater - Lowers Energy Costs

Providing better performance while consuming less gas, water, and electricity. Sustainable Flooring with Low VOC - Clean, Healthier, and Greener Home One of our flooring partners, Shaw Floors® produces 85% of their products from recycled content and with responsible wood procurement. They have low VOC ratings and are committed to transparency and community engagement.

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