How is it Beneficial?

Improved Comfort:
When ducts are properly sealed and insulated, they deliver conditioned air more effectively to all rooms, helping to ensure a more constant temperature throughout the home.
How is it Beneficial?

Lower Utility Bills:
Heating and cooling make up the largest percentage of a homeowner’s utility costs each year. Tightly sealed and well insulated ducts found in energy efficient homes can reduce heating and cooling costs by 25% or more.
Tight Construction and Ducts:

How is it Beneficial?

Improved Air Quality: Leaky ducts located in attics, unfinished basements, crawl spaces, and garages can allow dirt, dust, moisture, pollen, pests, and fumes to enter the home. Sealing these ducts improves indoor air quality.
1. Tight Construction and Ducts:

How is it Beneficial?

Lower Equipment Costs:
When ducts are leaky, the heating and cooling system has to work harder. Airtight duct systems with proper insulation, along with other efficiency improvements, allow the heating and cooling system to operate more efficiently.
Effective Insulation Systems: How is it Beneficial?

Lower Utility Bills:
As much as half of the energy used in your home goes to heating and cooling. Insulation, properly installed and independently inspected, will minimize heat loss during winter and heat gain during summer.
Effective Insulation Systems:

How is it Beneficial?

Enhanced Comfort:
Properly installed insulation helps ensure consistent room temperature no matter what the season.
Effective Insulation Systems:

How is it Beneficial?

Improved Durability:
When insulation is properly installed, the potential for moisture build-up which can lead to decay of building materials is reduced. This feature improves the durability of your home.
Effective Insulation Systems: How is it Beneficial?

Better Resale Position: The improved comfort, lower utility bills, and enhanced durability of a properly installed insulation system that meets grade 1 specifications can translate into a higher resale value for your home.
Efficient Heating and Cooling Systems:

How is it Beneficial?

Energy Savings:
Checking for high efficiency practices, an independent Home Energy Rater verifies that properly sized heating and cooling equipment is installed in your home. Proper equipment sizing and duct installation ensures heating and cooling systems work efficiently to make you more comfortable and lower your utility bill.
Efficient Heating and Cooling Systems:

How is it Beneficial?

Improved Comfort:
When properly sized and installed, an energy efficient heating and cooling system provides improved dehumidification and temperature control compared to an oversized unit. As a result, your home will be more comfortable and you’ll save energy.
Increased Durability:
The combination of properly sized systems and tightly sealed ducts results in fewer pollutants entering into the internal elements of the system. As a result, the equipment will last longer and have fewer warranty issues.
Efficient Heating and Cooling Systems:

How is it Beneficial?

Better Indoor Air Quality:
Indoor air can be many times more polluted than outdoor air, and the average American spends 90% of the day inside. High efficiency homes account for proper indoor ventilation to help control allergens, pollutants and moisture as well as introduce a controlled amount of fresh air into the home.
How is it Beneficial?

Energy Savings:

High efficiency windows and skylights feature advanced technologies such as invisible glass coatings, vacuum-sealed panes with inert gas, and improved framing materials. Additionally, better weather stripping and warm edge spacers reduce undesirable heat gain and loss.
High Performance Windows:

How is it Beneficial?

**Improved Comfort:**

High efficiency windows block 70% or more of incoming solar heat gain in the summer and have improved insulation values to help year round. As a result, they help keep occupants warmer in the winter and cooler in the summer.
High Performance Windows:

How is it Beneficial?

Protection of Your Home’s Interior: Photographs, furniture, flooring, and window treatments can fade or become discolored after repeated exposure to sunlight. High efficiency windows with special Low-E coatings can reduce fading by up to 75%.
High Performance Windows:

How is it Beneficial?

Reduced Condensation:
Inefficient windows or window frames can get too cold, causing condensation on the interior surfaces. Over time this can damage window sills, cause paint to crack, and encourage the growth of mold. Advanced frames and glazing technologies improve the insulation value of high efficiency windows, reducing the potential for moisture build-up.
Efficient Products:

How is it Beneficial?

Lower Utility Bills:
Appliances account for nearly 20% of the average household’s energy use. A comprehensive package of energy efficient appliances, such as ENERGY STAR qualified products, can save significant energy costs compared to standard household appliances.
Efficient Products:

5.

How is it Beneficial?

Improved Quality and Durability:
Energy efficient appliances usually include higher quality components than those found in standard appliances, meaning fewer mechanical problems, quieter performance, and longer equipment life.
Efficient Products:

5

How is it Beneficial?

Cost Savings:

Energy efficient light bulbs such as Compact Fluorescent Lamps (CFLs) and LEDs use about 75% less energy than comparable incandescent bulbs. Replacing a 60-watt incandescent with a 15-watt CFL can save over $30 in energy costs over the bulb’s life.
Efficient Products:

How is it Beneficial?

Enhanced Comfort:
Compared to standard incandescent bulbs, qualified CFLs and LEDs generate about 75% less heat. This means they are cool to the touch, help reduce cooling costs, and keep homes more comfortable.
Independent Testing:

How is it Beneficial?

A Smart Purchase:
Money-savings, durability, and increased comfort are all features of this ENERGY STAR home. The real value in your purchase comes with the peace-of-mind of knowing an independent Home Energy Rater has inspected your home to help ensure you benefit from these features.
Independent Testing: 6

How is it Beneficial?

Climate-Specific Recommendations:
An energy efficient home built in Florida would not necessarily perform well if it were built in Michigan. Home Energy Raters are trained in climate-specific energy saving techniques, and their knowledge and field experience help ENERGY STAR builders construct high-quality, energy efficient homes.
Independent Testing: How is it Beneficial?

Additional Inspections for Quality:

Homes that earn the ENERGY STAR label undergo more inspections and testing than code-built homes. As a result, independent inspection and testing reinforce a high construction standard and help improve the quality and efficiency of a home.
Independent Testing:

6.

How is it Beneficial?

The HERS® Index:

The HERS® Index has been established by the Residential Energy Service Network to measure a home’s energy efficiency, much like a miles-per-gallon rating on a car. The HERS® Index indicates a home’s average energy use --the lower the score, the better.

Note: The score on the HERS® Index graphic above is not indicative of this particular home.