

SchaadGREEN[®] ENERGY EFFICIENT RENOVATIONS

Skyrocketing energy costs and increasing consumer demand for energy performance are driving the development of new energy efficiency and green building programs across the nation. SchaadGREEN

helps home owners meet high levels of energy performance that will reduce energy consumption. For more information visit www.schaadcompanies.com

Energy Efficient Renovations Include:

1 Additional Insulation

- Additional insulation in the attic prevents heat loss. Blown fiberglass and/or batt fiberglass installed in attics, knee walls, and crawl spaces reduces energy usage.
- Optionally, polyurethane spray foam provides both thermal insulation and air barrier.
- Insulating and sealing the envelope of your house will reduce heating and cooling costs.

2 Duct Sealing/Re-Insulating

- Sealing ductwork prevents conditioned air from leaking and increases the system's efficiency.
- Existing ductwork can be re-insulated or ducts completely replaced. This will help retain efficiency of conditioned air delivery.

3 Air Sealing at House Envelope

- Reducing infiltration increases comfort and reduces energy bills. The reduction is accomplished by using expandable foam or pre-made gaskets to seal around outlets, switches, can lights, and the entire thermal envelope of house.
- Access points are reduced where pollen, dust, and insects can enter the house.

4 Install Weatherstripping at Exterior Doors and Attic Pull-down Stair

- Inspecting for air leakage and then installing gasketed weatherstripping at exterior doors, will reduce energy usage.
- Installing insulated and sealed box above pull-down stair access to attic will reduce energy usage.

5 Install sealed and/or Conditioned Crawl Space

- Crawl space can be insulated at walls with polyurethane spray foam, that provides a thermal barrier and air barrier. Installing a heavy mil ground cover as a vapor barrier also provides dust control.
- If HVAC unit is located in crawl space, there is an option to introduce conditioned air to the crawl space. This will increase the life and efficiency of AC unit.

6 Install Programmable HVAC Thermostats

- Inspecting existing controls, and replacing with programmable controls so that settings can be adjusted, monitored and locked, will ensure the best seasonal and daily-cycle energy savings.

7 Inspect and Service Mechanical Equipment

- Inspecting all HVAC equipment and performing maintenance service will maximize efficiency and life of existing units. Maintenance increases energy efficiency.
- Optionally, installing new HVAC equipment with higher-efficiency units saves energy.

- Inspecting existing water heater and installing insulation wrap reduces heat loss. Optionally, replacing a water heater with a higher-efficiency or installing a tankless water heater saves energy.
- Water heater can represent up to 14% of a total home energy bill.**

8 Perform Blower-door and Duct-blasting tests

- Performing a blower-door test, putting negative air pressure on the entire house, locates and quantifies the amount of leakage.
- Performing a duct-blasting test puts positive air pressure on the entire duct system and identifies leak locations and provides quantitative measurements.
- Data is input into Home Energy Rating System (HERS) software to show before and after air leakage levels. If desired, a Certified HERS Score can be provided, which could be valuable for re-sale purposes.



* Dept. of Energy, Energy Star program data
** TVA Energy Right program data



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SchaadGREEN®

ENERGY EFFICIENT RENOVATIONS

a Subsidiary of **Schaad** Companies

Range of Services for Energy Efficient Renovation

- Perform blower-door and duct-blaster air testing
- Perform ductwork sealing and insulating
- Install blown-in insulation at attics
- Install polyurethane foam insulation
- Perform air sealing for house
- Install weather stripping at exterior doors and attic pull-downs
- Install sealed crawl spaces with ground cover
- Perform HVAC equipment analysis
- Install new HVAC equipment
- Install geothermal HVAC systems
- Install programmable HVAC thermostats
- Perform water heater analysis
- Install new water heaters
- Install solar water heater
- Perform analysis of windows
- Install UV protective window film
- Provide and install new high efficiency windows
- Perform lighting efficiency analysis
- Install photo-voltaic electric systems
- Review/service mechanical equipment
- Provide information on tax incentives/financing
- Provide baseline and follow-up HERS scores

** Financing available through a variety of sources.
Please call for more information.*

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