

Performance Home / Home Performance / Building Performance

Home performance is a new term for many. It involves evaluating the home as a system. Some of the Key elements of a high performance home are:

Tight envelope- This prevents uncontrolled air movement through the building cavity, which carries with it unwanted air pollutants and moisture that can condense in the walls leading to mold and building deterioration. In addition it controls air exchange that results in high energy use. Blower door tests and thermography are ways the we can test the performance of your homes envelope.

Properly performing insulation- Insulation that performs is extremely important in regards to comfort and energy loss. Although insulation does not prevent heat from escaping through air leaks, it does provides a thermal barrier lessening the amount of heat conducted through the building envelope. Even a small section of improperly installed insulation can affect the comfort of an entire room. With our infrared thermography equipment you will be able to see for yourself if your insulation is working effectively.

Properly sized mechanical equipment- Most homes come with oversized heat pumps, furnaces or boilers to compensate for the deficiencies in other aspects of the house. These oversized systems not only waste tremendous amounts of energy but they can lead to an unhealthy indoor environment. For example; oversized air conditioning systems short cycle producing excess moisture in summer months and often move improper amounts of air through out the house. The condition and proper size of your heating and cooling equipment is calculate as part of our assessment.

Tight ductwork- Duct leakage not only heats and cools the neighborhood, but also distributes air from the basement, crawlspace and attic into ever room in the house, introducing many pollutants into the living space. The integrity of you duct work is tested by our technician to identify the location of leaks and explain ways to fix them.

Ventilation- Every home needs fresh air. Fresh air does not include air that has passed through cracks and crevices of the building shell. Fresh air means FRESH AIR that is filtered before it enters the home from a controlled source. We can establish where your replacement air is coming from and ways to improve air quality in your home.