



BLOWER DOOR TEST

Why test and measure your home?

IN THIS ISSUE

Measured Home Performance?

When you have a contractor that is specialized in Home Performance, you are starting off the remodel process with Health and Safety as the first concerns. Testing is the best way to determine the right course of actions to be taken and how the remodel process will continue from there.

Combustion Appliance Safety (CAS) Test

This test is a very important first step in the home performance testing process. With a CAS test, the contractor can test all combustion appliances and tell if there are any safety hazards to be addressed immediately.

Blower Door Test

Once we have determined health and safety concerns, we can then move on to the important three step process of the Blower Door, Duct Blaster and Infrared Camera. The Blower Door will tell us how tight the airflow is in the building, therefore giving us an accurate measure of air leakage.

Duct Blaster Test

The second step is the Duct Blaster. This is a crucial test that will show the duct tightness that distributes the quality of the air throughout the home. This is where we get

to see how the life line of the air in your home is flowing.

Infrared Camera Test

The third step in this all important testing is the Infrared Camera. Once we have determined the tightness, and leakage of air, we can then see the temperature differences with the heat detecting camera. The old saying "pictures tell a thousand words" have never been more true than this step.

Water Evaluation Test

Water is not a mandatory step, but all the same, a very important step. We in California understand the importance of water how it is without a doubt, our life line. We highly suggest having a water audit performed on your home. This can show you ways to save water as well as other incentives that are available.

The Building Envelope

In closing, we will give you a report based on our findings. All the testing is performed with the home considered as a Building Envelope. Your home should perform as one unit, not separated sections, this is how you save energy and money.



Blower Door

The Blower Door is a machine to physically measure the air leakage in the building envelope.



Infrared Camera

The Infrared Camera is a thermal image scan that detects heat and shows the difference in temperatures.

DUCT BLASTER TESTING

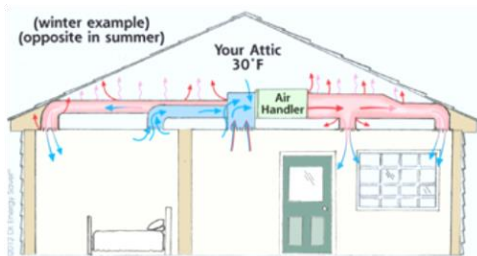
DUCT BLASTER TEST



Duct Blasters show us how leaky the duct systems are. Then we take the necessary measures to correct those issues as well.

Duct Blaster Test

Why is a Duct Blaster Test so important?



Example of leaky duct work

This example shows how your duct work runs throughout the house's attic and how the leaks occur.

FAST FACTS

10%

Green Labeled Homes, sell for an estimated 10% increase over non labeled homes.

22%

Green Labeled Homes sell for an estimated 22% faster than traditional homes.

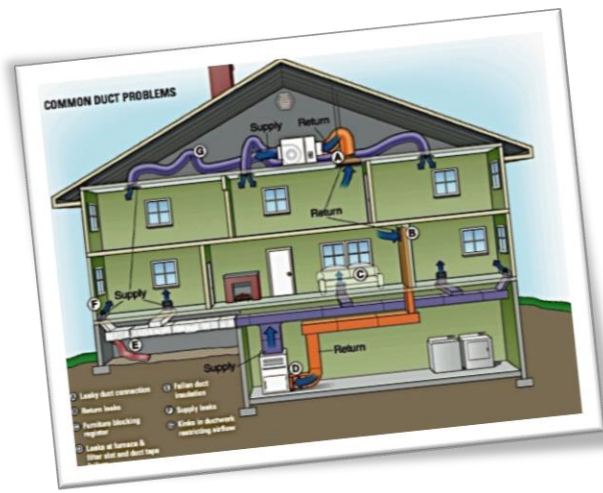
FOR MORE INFORMATION

To understand how "Greening your home" helps sell your home.

VISIT:

<http://greenpointrated.com/buy-sell-green/>

<http://www.quickenloans.com/blog/energy-efficient-upgrades-sell-home-faster>



Common Duct Problems:
Leaky duct connections
Return leaks
Fallen duct insulation
Supply leaks
Kinks in duct work stopping airflow

Why you need to TEST - INVEST

The building as a whole-working as an integrated system-is what provides better comfort, combustion safety and high quality indoor air at much less energy cost than what the home used before the project. Savings of 40% - 60% are typical, even after adding ventilation air in the building, which is before. Those savings are usually enough to make the project self-funding. In other words, after the project is complete, the homeowner's monthly expense is lower, even with the cost of the loan to finance the project.

- ⇒ Lower utility bills
- ⇒ Health and safety
- ⇒ Better comfort
- ⇒ Added investment
- ⇒ Durability of appliances

Added investment to your Home

When thinking of investing money into your home, you often think of the return on investment (ROI). This is a large factor in deciding what to remodel and the comfort as well as the esthetics it will provide.

Home Performance Contracting will provide you with a home that is not only beautiful, but comfortable with less energy cost. This approach will also give you a better investment than almost any other remodel can provide over the course of time. A home that has been labeled "Green" is estimated to sell 22% faster, with a 10% increase in selling price over the neighboring homes.

When thinking of your remodel and factoring in your investment, you should consider a Buildings Performance Contractor. This contractor should provide you with documented proof of energy savings with little cost to maintain.

What most people don't know

Testing your home gives us a wealth of knowledge, that otherwise, we would not be able to understand. The HVAC system and attached duct work is one of the most important components in your home. Think of this as the heart and arteries of the home. Today's technology tells us that most heating and air conditioning units installed today are running at 56% capacity. We know that with the right installation, we are able to provide systems that run at 85% or in most cases better. The duct work is also a major factor in the system's capacity. Most duct work is leaky and poorly installed, under sized and not sealed.

To give you the best productivity with the best deliverance of better air quality and balanced air, we have to size and install correctly for the house you live in.

We use software designed to give you the right appliances, with the right size duct work and the lowest usage of energy. This is why Buildings Performance Contracting works for you.



Energy Cost today vs tomorrow

We all understand that utility costs are high and you want to pay less, but do you know that energy prices are going to continue to climb?

It is projected that energy cost will climb 40% - 50% higher in the next 4-5 years, and the tier system will continue to change, which will result in higher monthly costs.

The building envelope is an approach of looking at the house as a system, that runs as one unit. Think of this as a heart that pumps to all the main organs. When one part of this system fails, it in return fails other parts of the system, everything needs to run smoothly to maintain energy efficiency.

This whole house system approach recognizes the relations of all components, windows in relation to doors or mechanical equipment in relation to attic space within the home. With this approach we can apply appropriate technology and advanced systems that will provide you with better indoor air quality, better comfort and reduced energy costs.

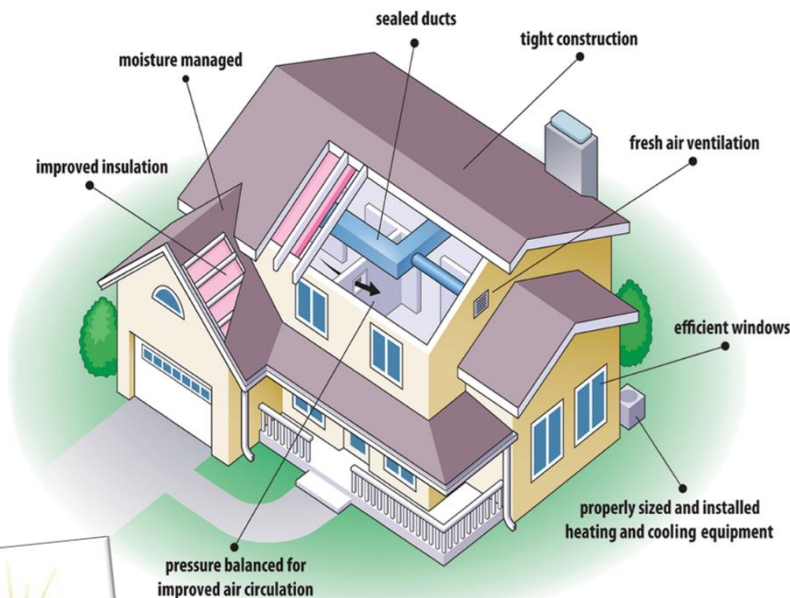
An energy efficient home is a more marketable home that can provide proven reduced energy costs, in return will sell faster for a bigger profit.

Energy efficient homes not only save you money but reduce the stress on the environment. There are programs provided by your local utilities that will give you rebates and incentives to update and upgrade your home.

Remodeling is a big decision with potentially large cost. Providing comfort and safety all while reducing energy cost is today's kind of remodel. We need to reduce before we produce, when talking about energy use.



The Building Envelope



FOR MORE INFORMATION

714-330-4500 / 714-330-3944

www.BESTTechsContracting.com

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