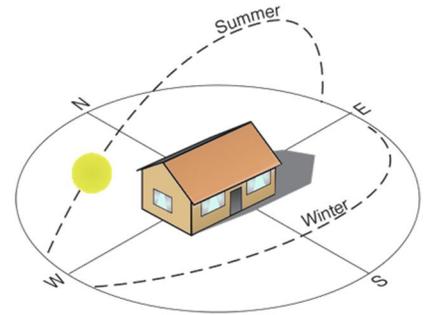


Things to Think About When Building Green New Construction

There Are Many Opportunities to "Go Green" When Building New !

Site Orientation

Site orientation & design is the first step when thinking about building new construction. The way your home sits on the lot is extremely important. Where your house sits compared to the sun can drastically reduce heating and cooling costs, give you more light, and Increase the marketability and resale of your home. If you are looking for a lot located in a denser area, you want to pick one that would allow you to have the roofline of your house face south to capture maximum sunlight.



Building Envelope and Energy Efficiency

Having a tight envelope directly impacts your energy costs. The building envelope separates the indoor and outdoor environments, including those below grade. Your homes building envelope requires the largest quantity of materials compared to any other part of the structure. When building new construction, you have the opportunity to use building techniques such as advanced framing which reduces lumber needed to frame a structure, and allows deeper insulation to fill the walls and reduce thermal bridging. Thermal bridging occurs in a home where materials used had poor insulating properties.

Interior Systems

Interior systems are a critical element in green home design. It is common for people to believe that you don't want a tight home because it needs to breathe. But if you make it tight, you have to insulate right. A tight building envelope requires a ventilation system for indoor air quality and moisture control. If you do advanced framing and deeper insulation, you will likely not even need an additional heat source because your body heat and movement along with the fact that no air is leaking from the



One such system is called an HRV, (Heat Recovery Ventilation System) it is designed to bring fresh air into a building & improve climate control. The job of an HRV system is to keep heat in and move stale air out. They normally have two fans, one to take out household air and the other to bring in fresh air. This is done in the heat exchange core. It takes the heat from the air leaving the house and transfers it to the fresh air coming into the house. The air streams never mix but the heat is transferred and comes into your house at the temperature you have it.

Change the way you live, change the world!

