Adjusting window sizes and maximizing southern exposure greatly improves solar gain during the colder months.

Solar gain is maximized when buildings are orientated at 172°.

Advanced framing is also known as Optimum Value Engineering. This stick framing technique uses more efficient design to minimize the use of wood and increase the amount of insulation, resulting in a more energy efficient house.

Advanced framing is also known as Optimum Value Engineering. This stick framing technique uses smarter, more efficient design to minimize the use of wood and increase the amount of insulation, resulting in a more energy efficient house.

Geothermal heating and cooling systems — also called ground source heat pumps, earth source heat pumps, or geothermal heat pumps — move the heat from the ground into your home using the same technology your refrigerator uses to remove heat from food. It is also able to remove heat from your home using an inverse cycle, making it workable for both heating and cooling your home. This makes it a very efficient method. The unit looks very similar to a traditional furnace/heat, unlike a traditional heat exchanger. It does not consume any gas and only requires the use of an electrical pump to circulate the ground fluid and air.

Exhaust air is run through a heat exchanger with incoming fresh air allowing the exhaust air to transfer or absorb energy from the incoming fresh air. This piece of equipment would be installed easily on any system using forced air.

Recovers up to 80% of heating and cooling energy.

Heats the water as you need it instead of continually heating water stored in a tank. On average achieves a 25-30% monthly savings on your energy bill compared to a conventional storage water heater.

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Utilizing whole home automation by Life Ware® inhabitants can control every facet of their experience within the home. They have the ability to set ‘scenes’ which automatically adjust blinds, lights and HVAC settings.

All houses are also equipped with an iCCTV and in-ceiling speakers which they can use to adjust settings, monitor their energy consumption, as well as enjoy their favorite movies or music.