



Single Family Residence

This 4,400 sq. ft. two-story home with attached 1,450 sq.ft. heated garage was built with the lower 3,600 sq. ft. floor as a LEGALETT Foundation. In the lower level, a mix of ceramic tile and hardwood were installed, along with bare concrete (in the garage) all of which are warm and comfortable to the feet, year round, without any dampness.

The lower 3,600 sq. ft floor foundation is divided into five heating zones. Room-by-room temperature control is available, and each furnace in the living areas serves areas in the home where the floor is directly heated by the incoming sun in the winter. This allows the free solar heat to be shared throughout the house, transferred from a passively solar heated area to the rest of the floor via the air moving through the LEGALETT System, along with the tremendous heat storage capacity of the LEGALETT System. It is typical for the heating system to turn off during the day in the winter.

With effective use of passive solar energy, a highly efficient hot water tank, and a very well insulated envelope, this home is heated for less than \$100/month on average.

