



### Insulation diagram for $G = g$ case study.

The part of the house that is analyzed by the spreadsheet is marked in green. This is the attic floor above the second floor living space. These calculations use values from references derived from measuring the flow of heat through one square foot of assembly in a laboratory setting. The assembly tested simulates the house construction. Since heat flow is measured in terms of area it's planar rather than spatial. The heat flow is expressed in terms of U. One divided by U equals R or resistance to heat flow. The higher the R value the greater the resistance.