# Future Direction

The future plan for the HVAC Model Designer is to design a house, set the wall properties, simulate heat flow and auto-generate a ventilation system.

## House Design

The house designer is mostly complete. Being able to set ceilings and floors for rooms would be a nice addition.

## Wall Properties

The wall properties are somewhat working. AJ’s button opens the wall properties but modifying them doesn’t currently set properties for any of the walls. Putting that into its own editor and allowing the user to select a wall and set the wall properties will complete the planned direction for wall properties.

## Simulator

The simulator is working except it doesn’t actually use wall properties. It uses a constant wall transfer rate. After wall properties are completed, a heat transfer rate for every wall needs calculated and used in the simulation.

## Generating Ventilation

You can place vents but the whole goal of this project is to have the system auto-generate the best possible vent system while allowing the user to also edit it.