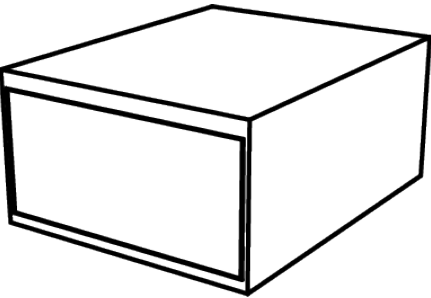


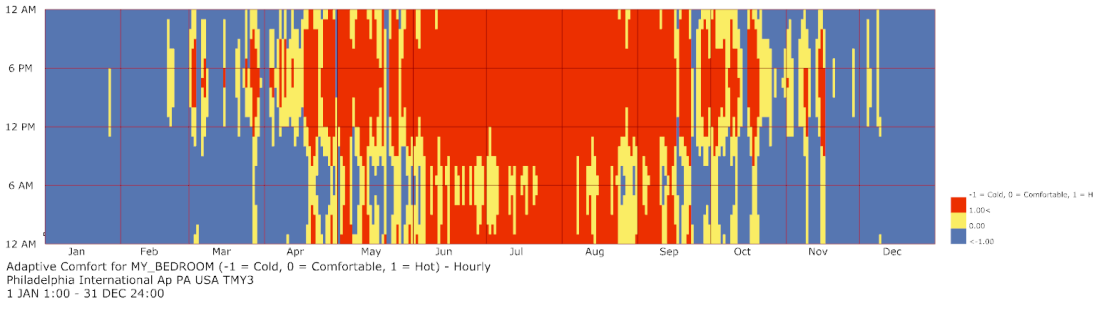
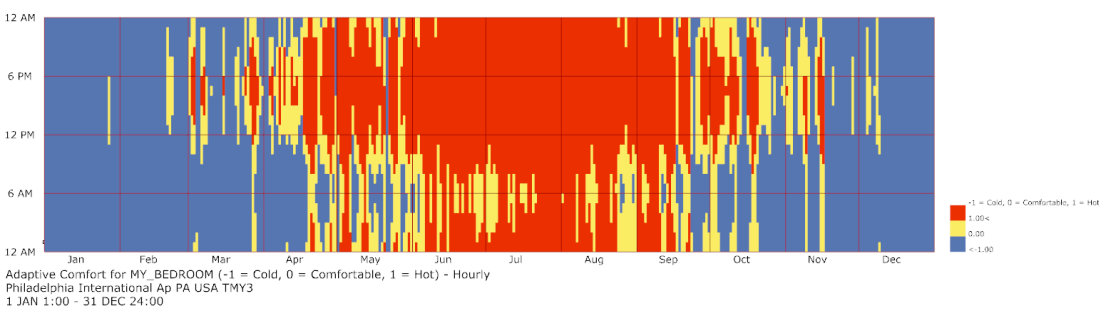
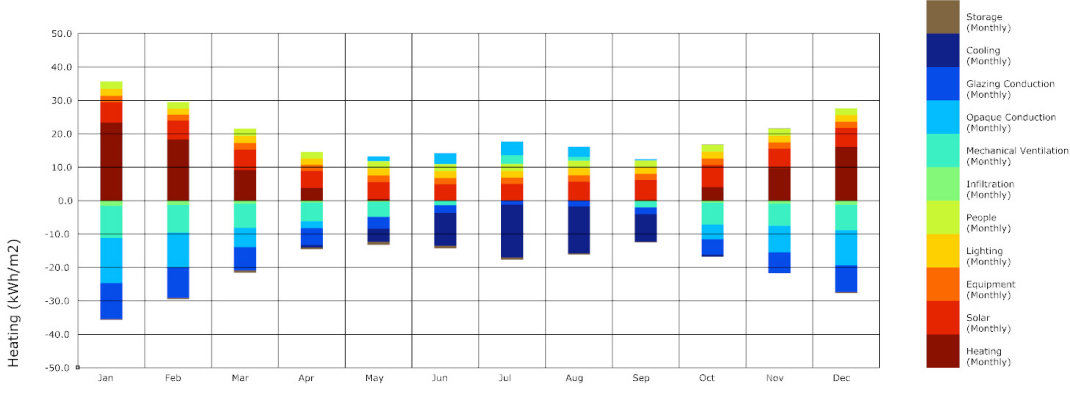
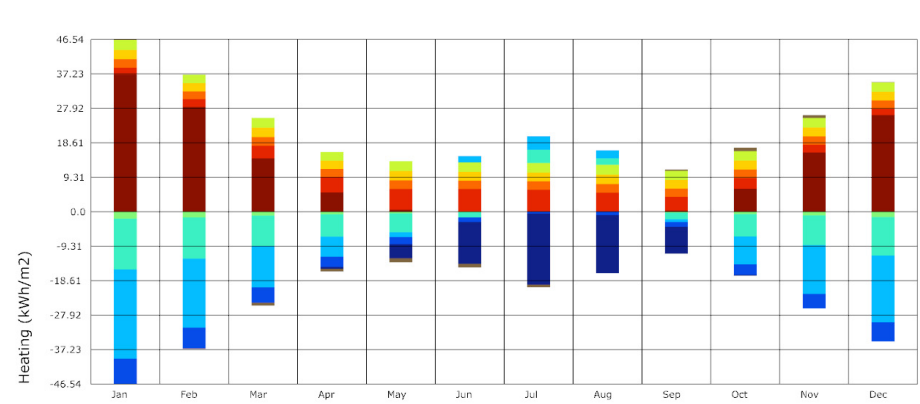
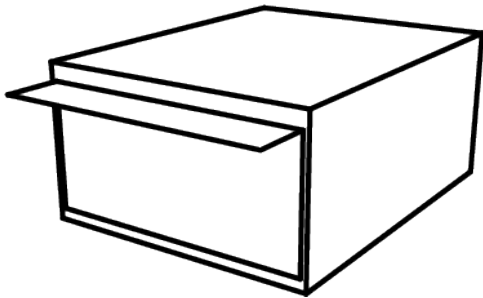
ENERGY MODEL MODEIFIED FOR THE BEDROOM

In this assignment, I modified the energy model. I checked different plans for the bedroom. Originally, my bedroom has a window facing north. and in order to get enough day lighting, I enlarged my window in the previous assignments. This time, I tried to adjust the size of shade and add window on the south wall. According to my analysis, I found it would be most efficient for the comfortable ratio when my bedroom only has window on the northwall. But when I have windows on the south wall and have some proper shading, the energy balance would be more efficient.

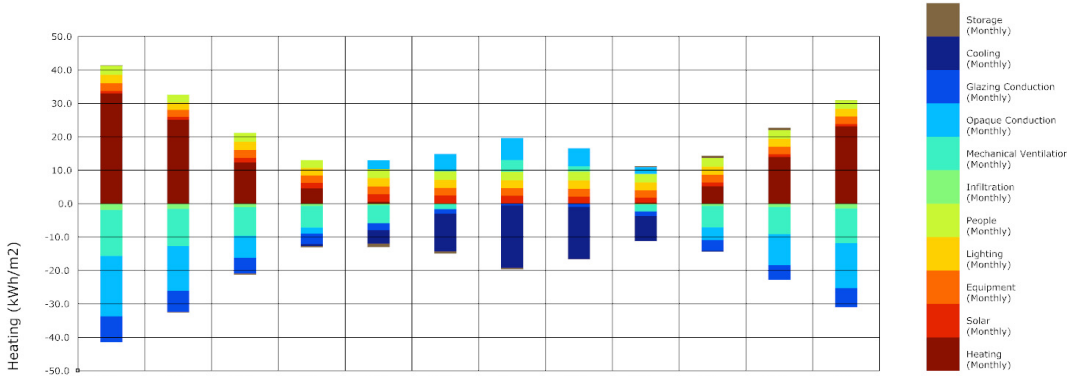
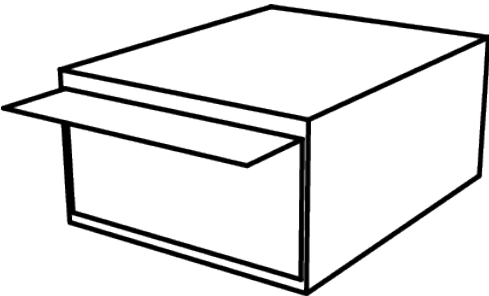
Window: North
Shading: No shading
Comfortable Ratio: 16.8%



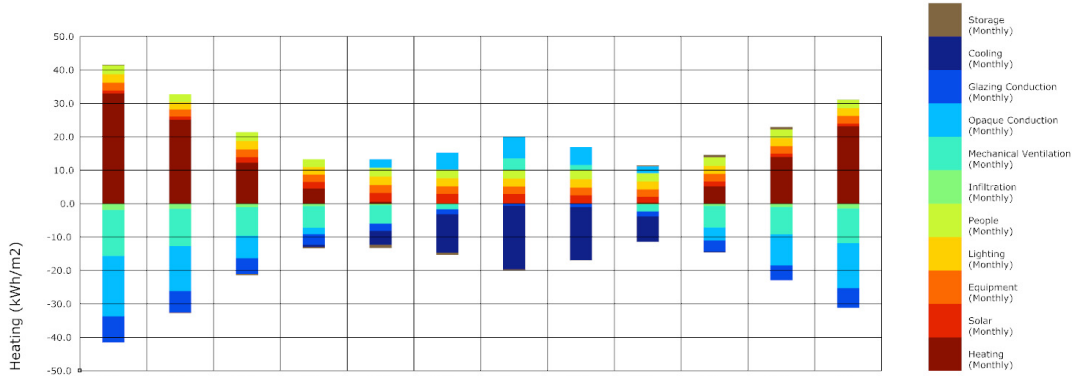
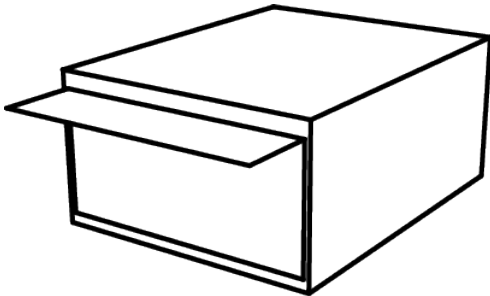
Window: North
Shading: 0.6m
Comfortable Ratio: 17.1%



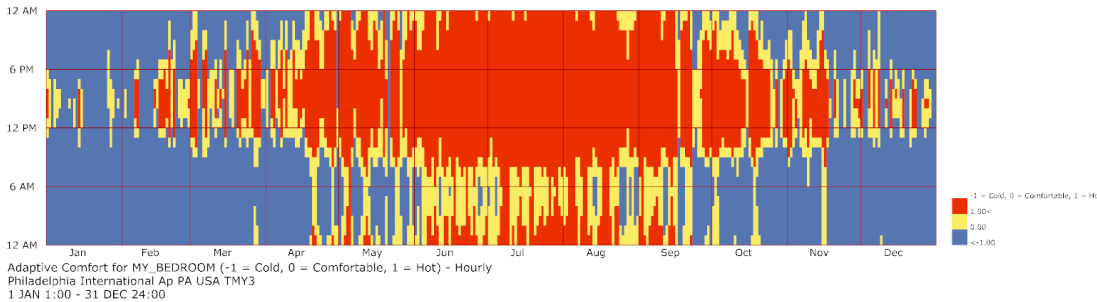
Window: North
Shading: 1.6m
Comfortable Ratio: 17.2%



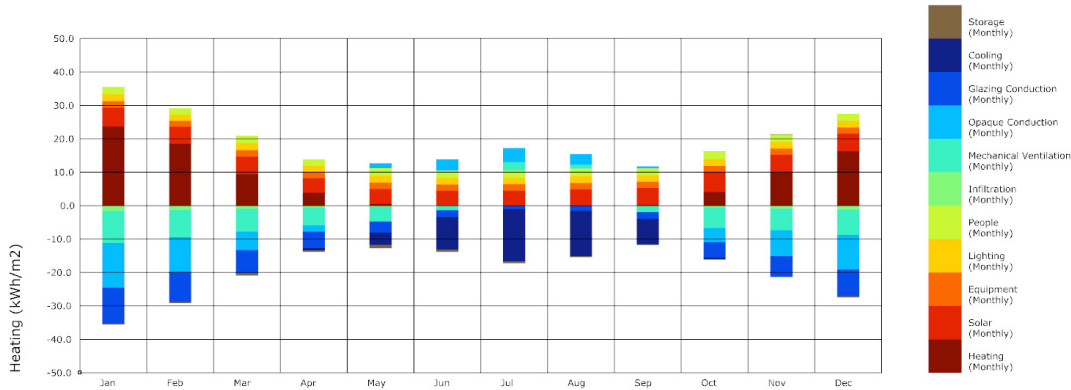
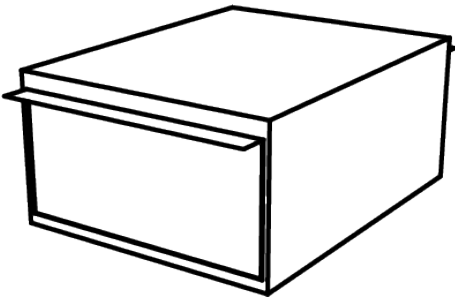
Window: North & South
Shading: South1.6m & North No shading
Comfortable Ratio: 19.3%



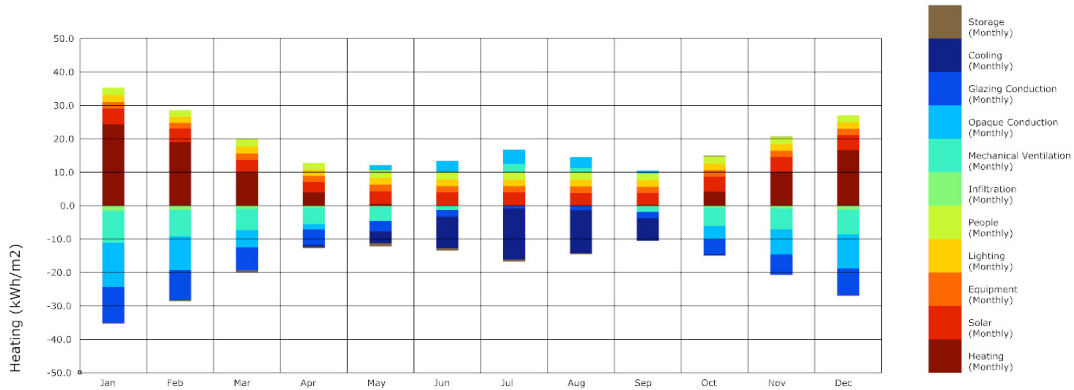
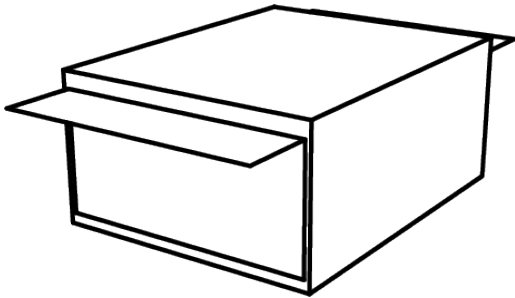
Window Smp



Window: North & South
Shading: North 0.6m & South 0.6m
Comfortable Ratio: 19.0%



Window: North & South
Shading: North North 1.6m & South 1.6m
Comfortable Ratio: 19.4%



Window Smp



Window: North & South
Shading: North 0.6m & South 0.6m
Comfortable Ratio: 19.0%

