

Environmental Systems

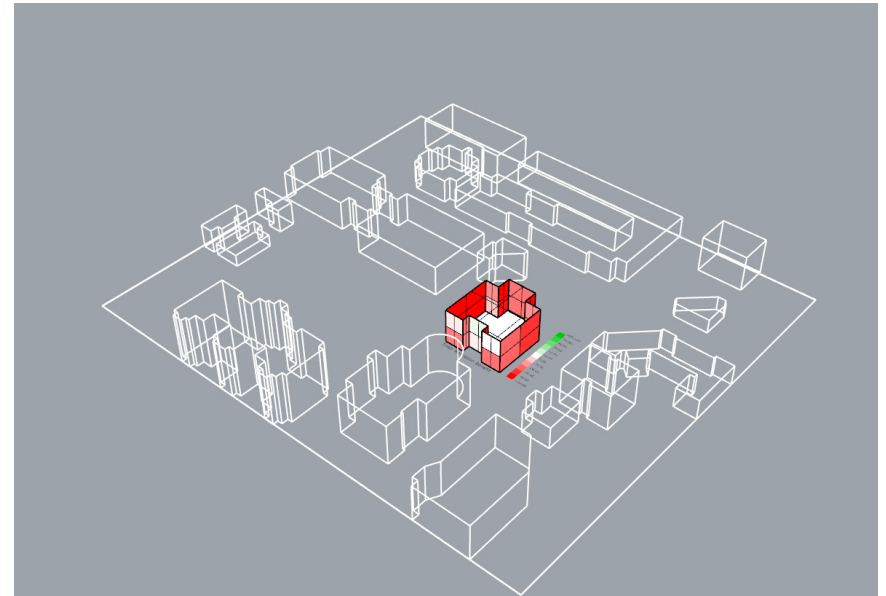
Project 6

Fall 2017
ARCH 633

Solar Benefit

Meyerson in its current location and design has a low solar benefit that is actually considered to be -734 due to its orientation and the way the building is designed in its current state.

By just moving the orientation of the building and closing some facades and opening others while having shading devices can create a big difference with the net solar benefit value



Another massing has been created in which the space on the sides was maximized to allow for the better sun to get in and the harsh sun was blocked with shading devices that extended beyond the edge of the building to block most of the harsh sun away. The net value for the current massing that is slightly smaller than Meyerson is +77.

Improving by about 811 in total net value.

