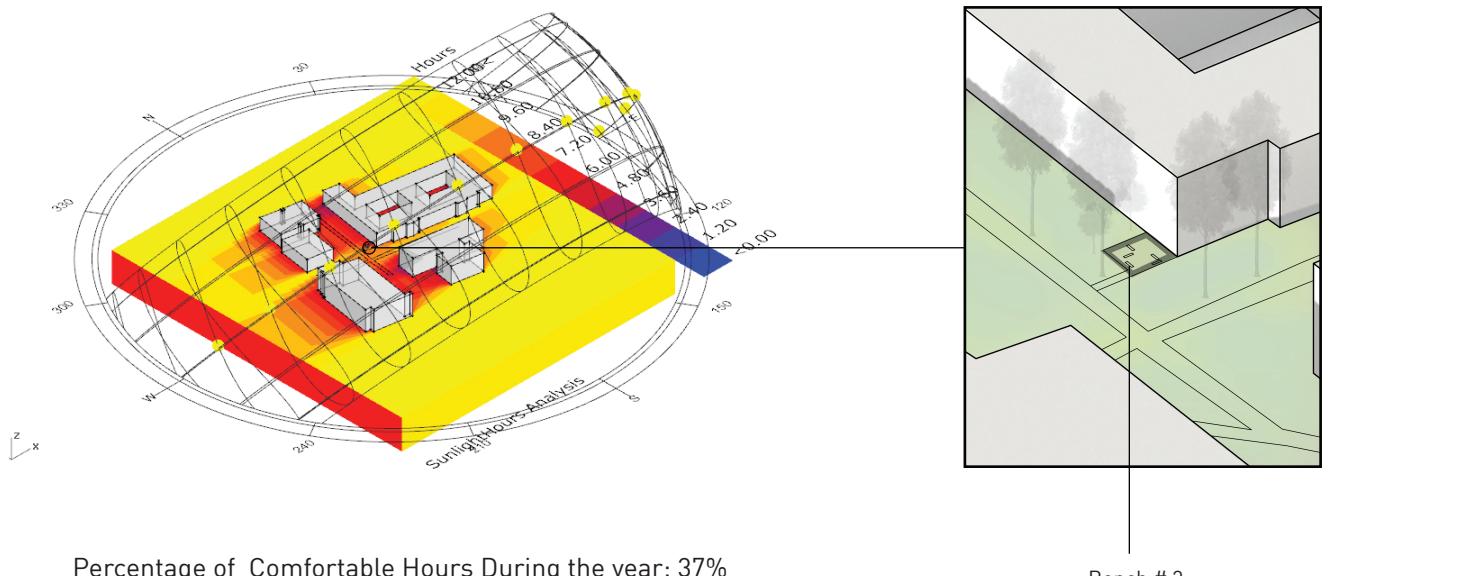


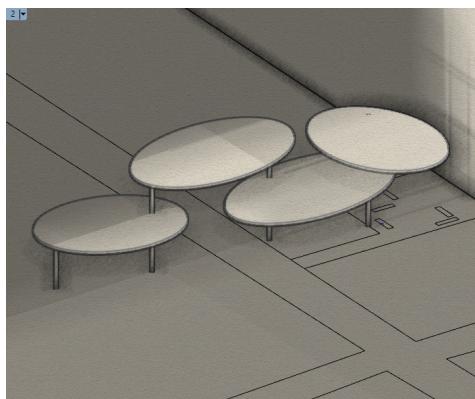
Outdoor Comfort Calculation Assignment

Carla Bonilla

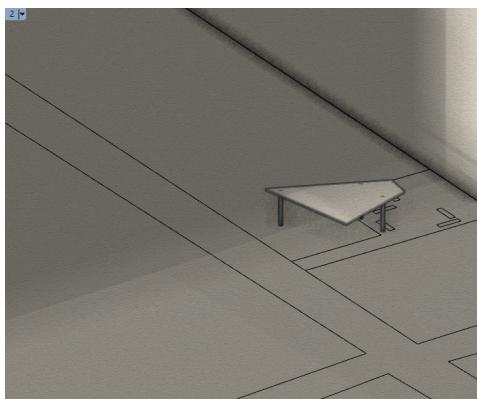
Location: School of Engineering, southwest corner



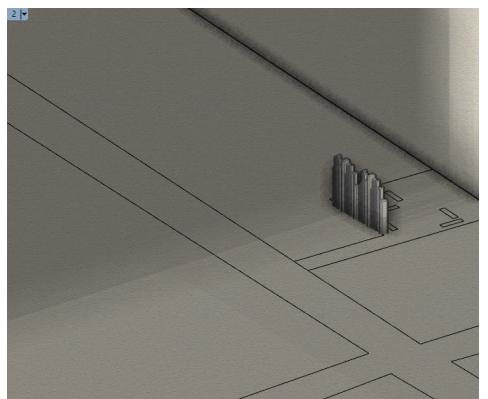
Shading design options:



Design Option 1
Percentage of Comfortable Hours: 41%



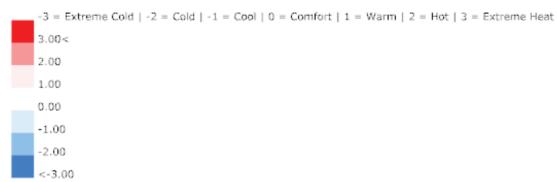
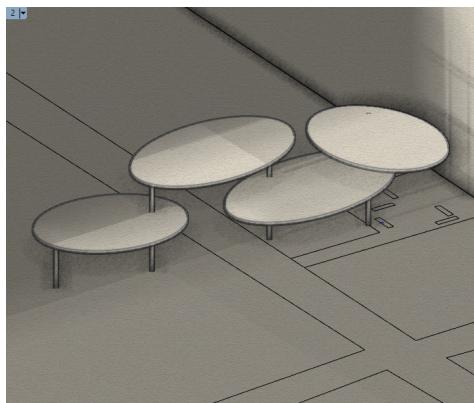
Design Option 2
Percentage of Comfortable Hours: 39%



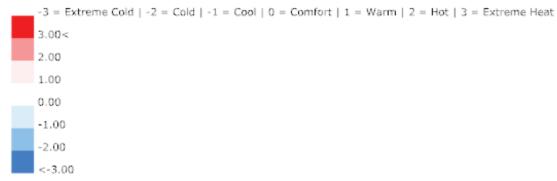
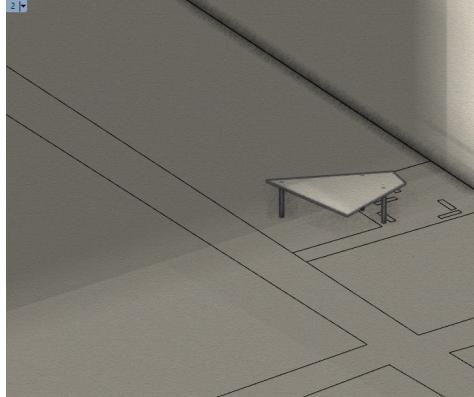
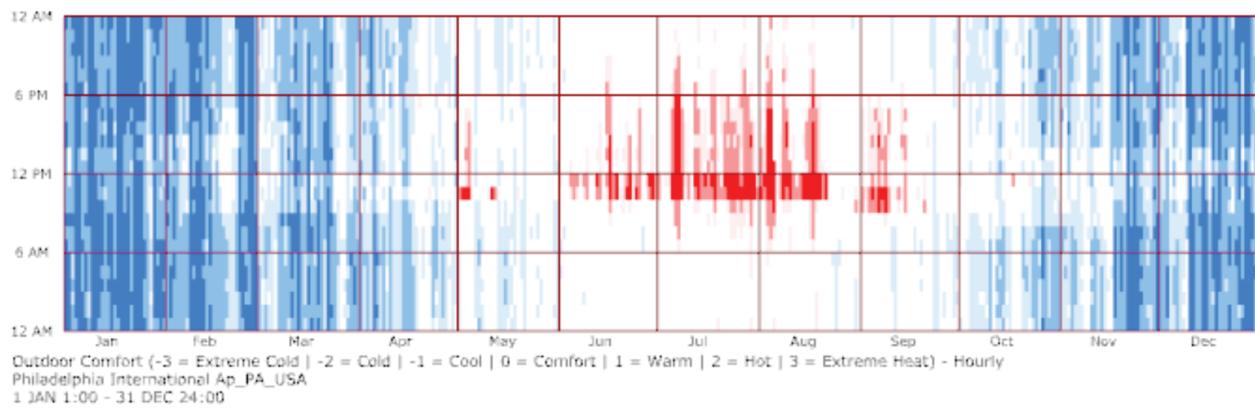
Design Option 3
Percentage of Comfortable Hours: 40%

Most of the discomfort is created by cold stress, so shading does not create a significant change in the overall comfort percentage. The highest percentage possible is 41%

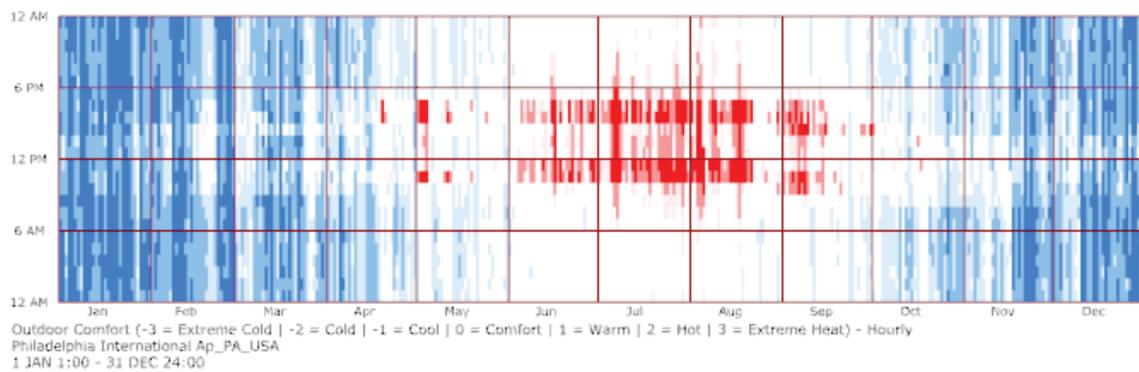
The elements that the grasshopper script misses are wind, trees and different comfort perceptions.

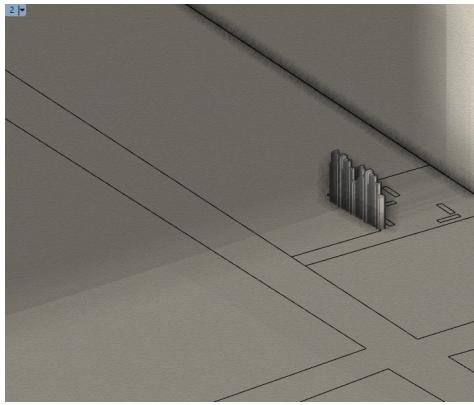


Design Option 1
Percentage of Comfortable Hours: 41%



Design Option 2
Percentage of Comfortable Hours: 39%





Design Option 3
Percentage of Comfortable Hours: 40%

