

QUAIN COURTYARD

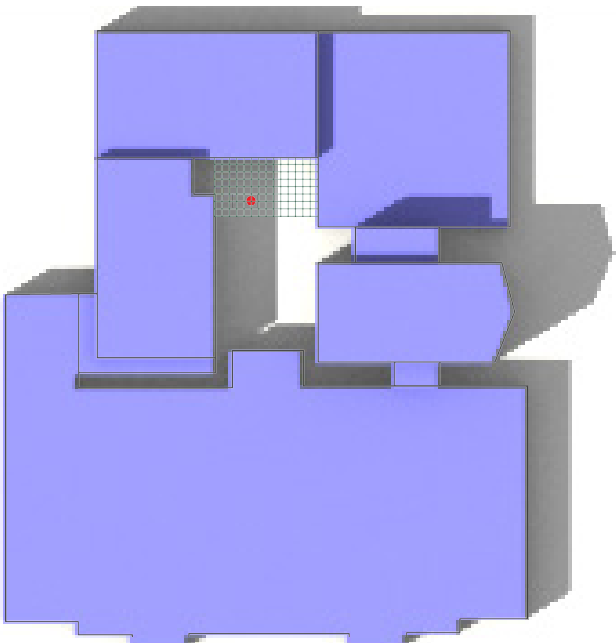
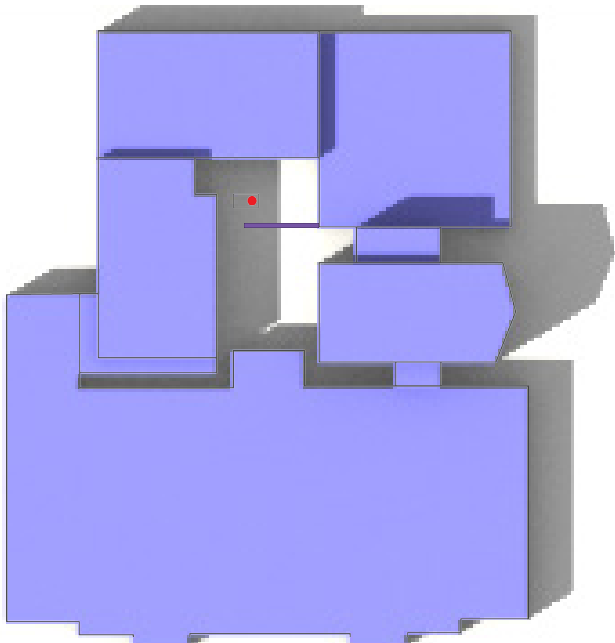
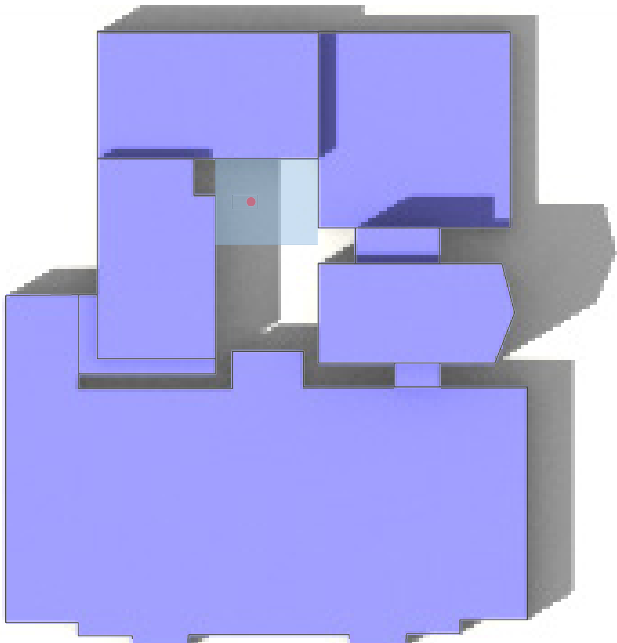
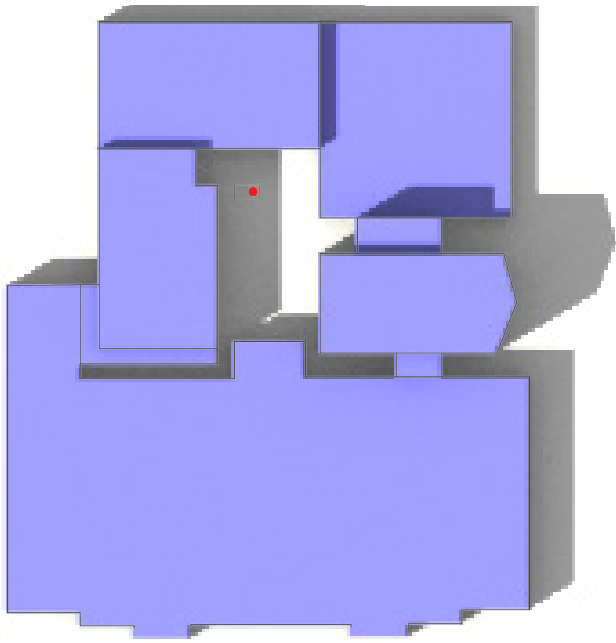
OUTDOOR COMFORT MAP

TACTIC: NONE

TACTIC: SUN SHADE

TACTIC: WIND WALL

TACTIC: TRELLIS

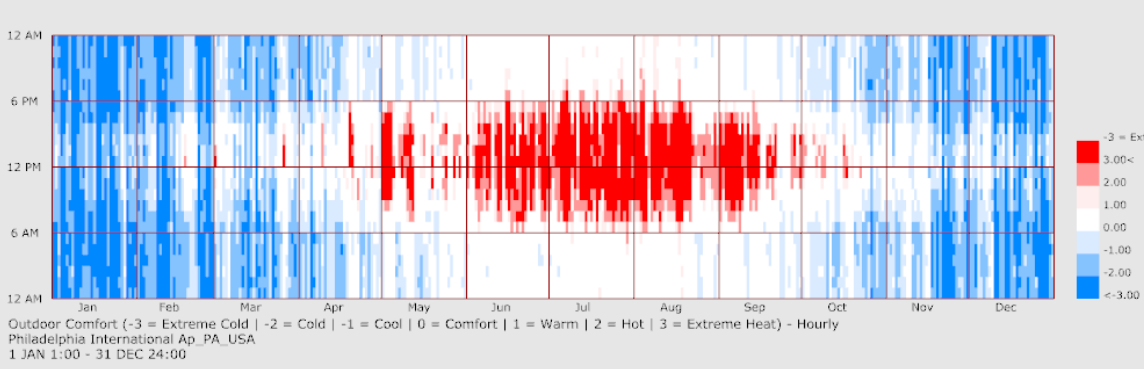


PERCENTAGE OF COMFORTABLE HOURS:
37.34
PERCENTAGE COMFORTABLE SHORT PERIOD:
18.50
HEAT STRESS:
12.51
COLD STRESS:
31.64

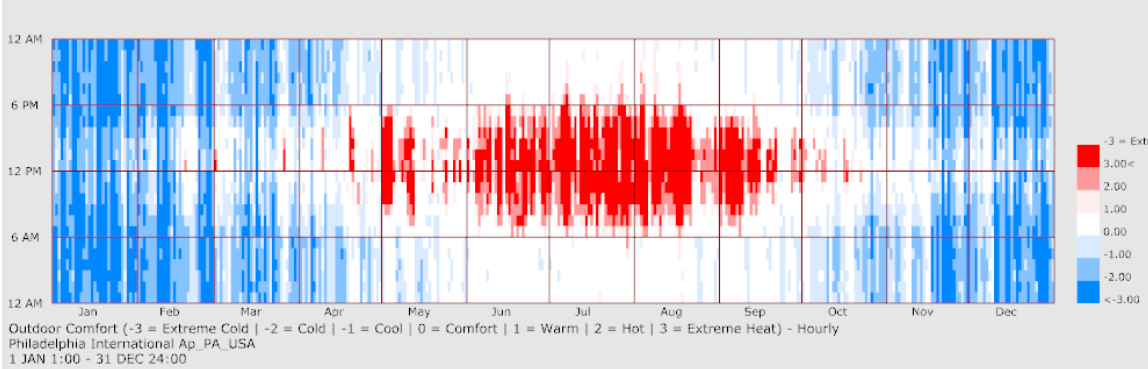
PERCENTAGE OF COMFORTABLE HOURS:
37.52
PERCENTAGE COMFORTABLE SHORT PERIOD:
18.56
HEAT STRESS:
12.11
COLD STRESS:
31.80

PERCENTAGE OF COMFORTABLE HOURS:
37.39
PERCENTAGE COMFORTABLE SHORT PERIOD:
18.41
HEAT STRESS:
12.39
COLD STRESS:
31.79

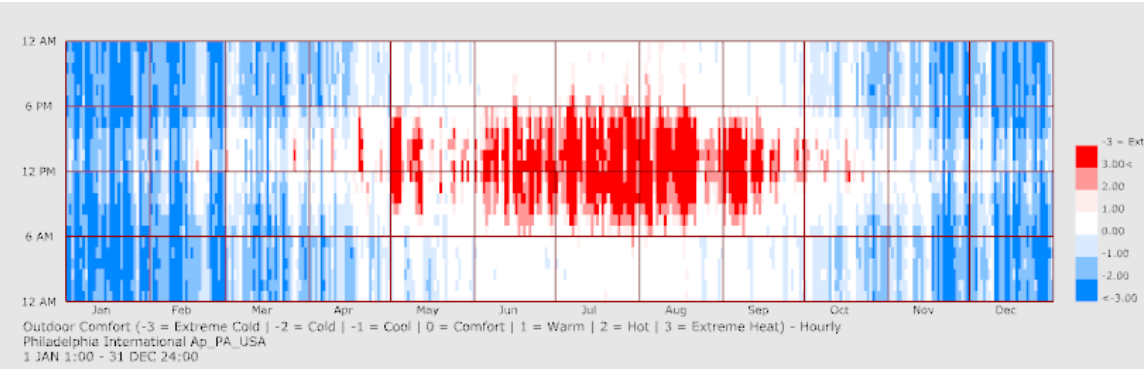
PERCENTAGE OF COMFORTABLE HOURS:
37.42
PERCENTAGE COMFORTABLE SHORT PERIOD:
18.50
HEAT STRESS:
12.26
COLD STRESS:
31.81



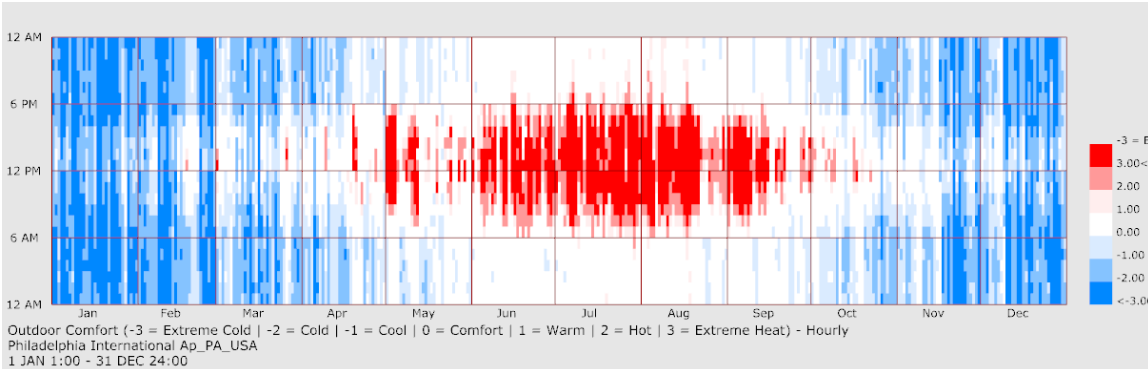
NONE



WIND WALL



SUN SHADE



TRELLIS

I tried very hard to achieve 100% comfort, however I found it very difficult to get past 37%, as is evident by my results. I think that this is largely the case because the corner of the plaza that I selected has a lot of shade (as does the site in general), so the additional shading really didn't improve the situation. I think this is also an explanation for why the cold stress is almost triple the heat stress. I think that pursuing passive design strategies that bring heat to the area would be a better tactic. For example, perhaps a fire pit, adding a material to the ground of the plaza to increase the absorption of heat, and adding mirrors tactfully to reflect the sunlight back to the plaza after it has passed.

