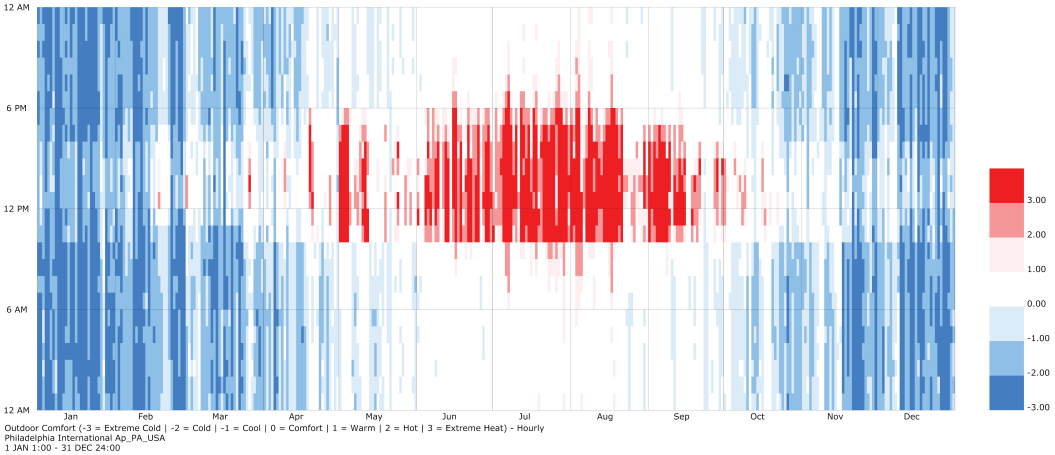


ARCH 633: Outdoor Comfort Calculation

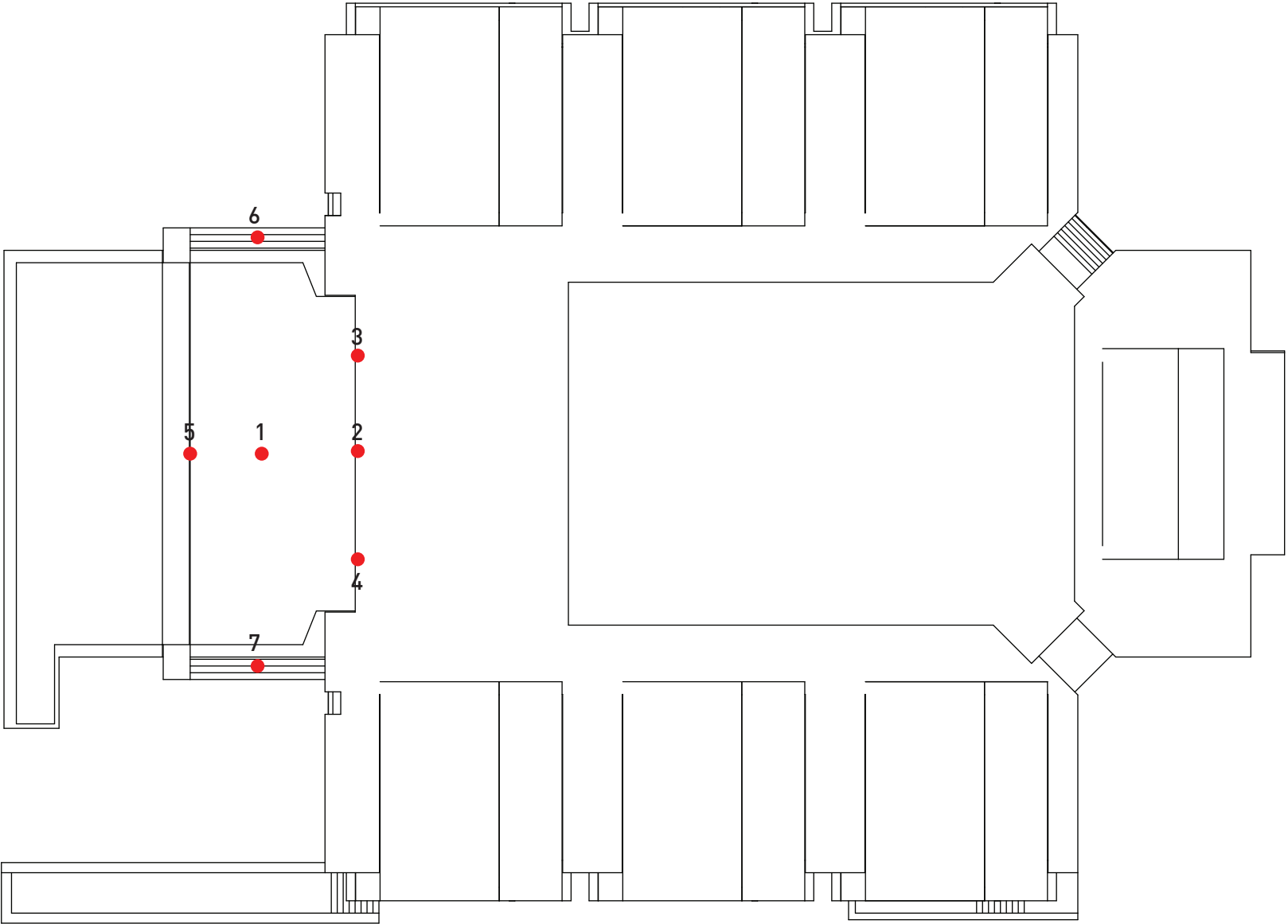
Zheng Yang Zhu
2017.10.07



Original

Comfortable: 40.40%, Short Period Comfort: 21.24%, Heat Stress: 3.63%, Cold Stress: 34.73 %

	Comfort	Short-Period Comfort	Heat Stress	Cold Stress
1.	38.56%	19.55%	8.52%	33.57%
2.	39.22%	19.90%	7.26%	33.62%
3.	39.22%	19.91%	7.41%	33.46%
4.	39.59%	19.91%	6.72%	33.78%
5.	38.08%	19.16%	9.53%	33.23%
6.	39.21%	19.63%	7.93%	33.22%
7.	39.21%	19.70%	7.89%	33.20%



Questions:

1. The thinking process behind these locations are that these locations are usually where people hang out on this site.
2. Tthe difference between the best and worst location is not much. The difference in comfort level is 1.51% and the difference in short-period comfort is 0.75%
3. The shade provides by the building is the the most important factor that made it the best location
4. The limitation of this method of study is that there is noway of incorporating materiality of the building and surrounding context into the calculation. Different material will abosrd and release heat at different rate which may result in change how comfortable a place feel.