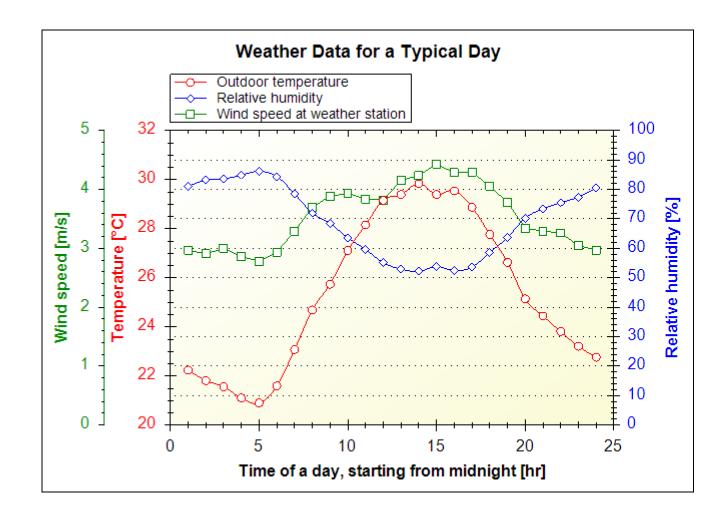
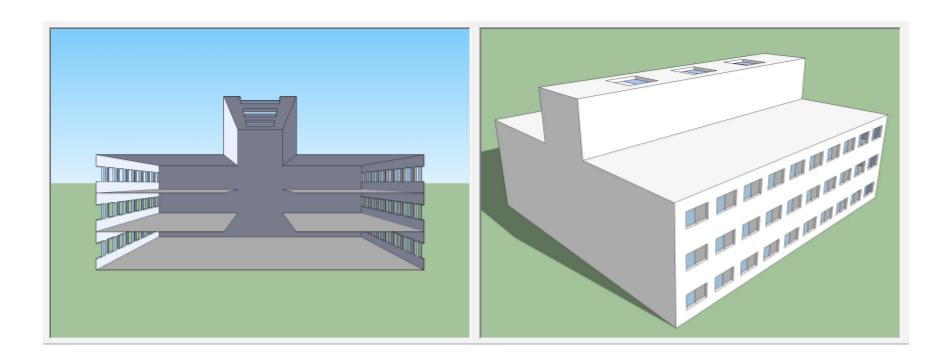
City: Philadelphia

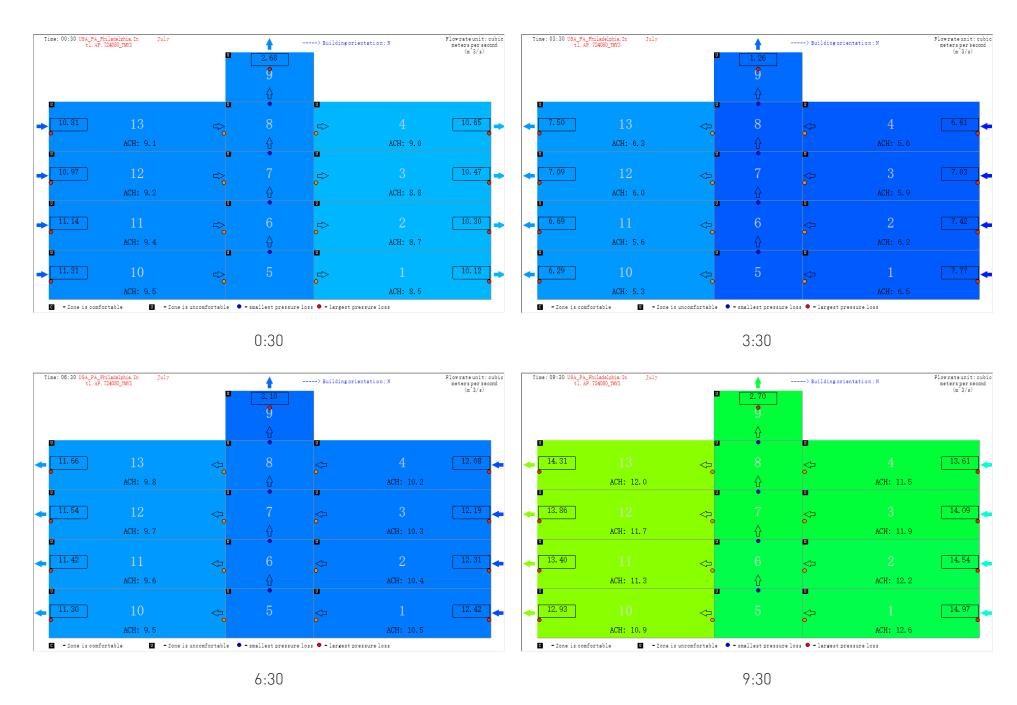
Building: Meyerson Hall

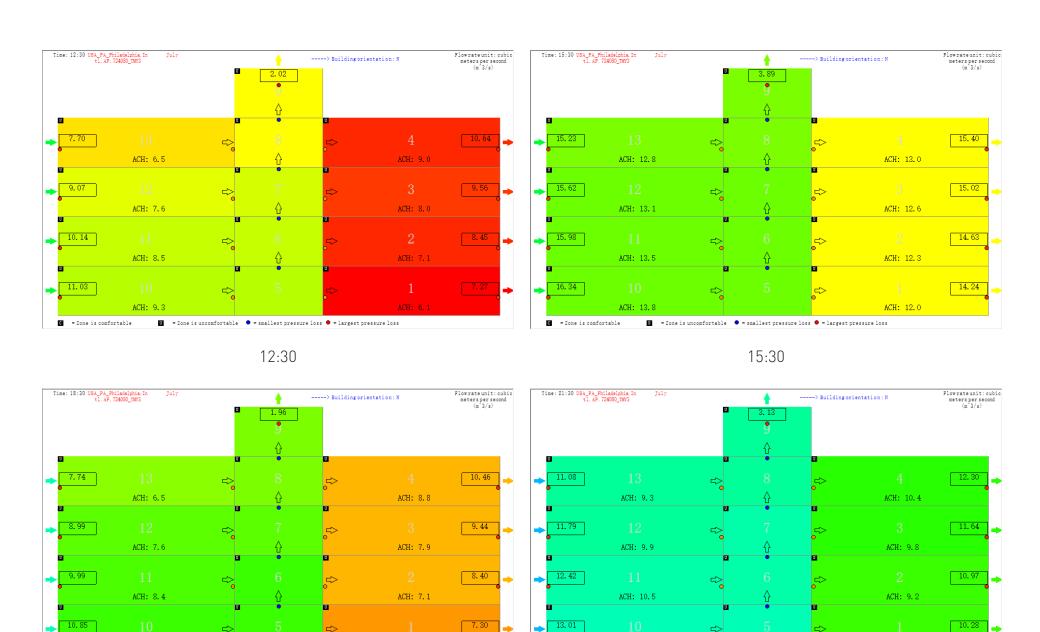
Month: July



Central Atrium







18:30 21:30

ACH: 10.9

- Zone is comfortable

ACH: 6.1

C - Zone is comfortable

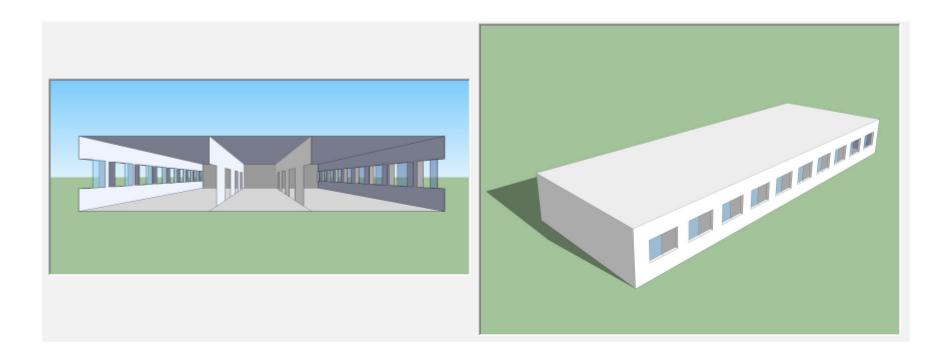
ACH: 9.1

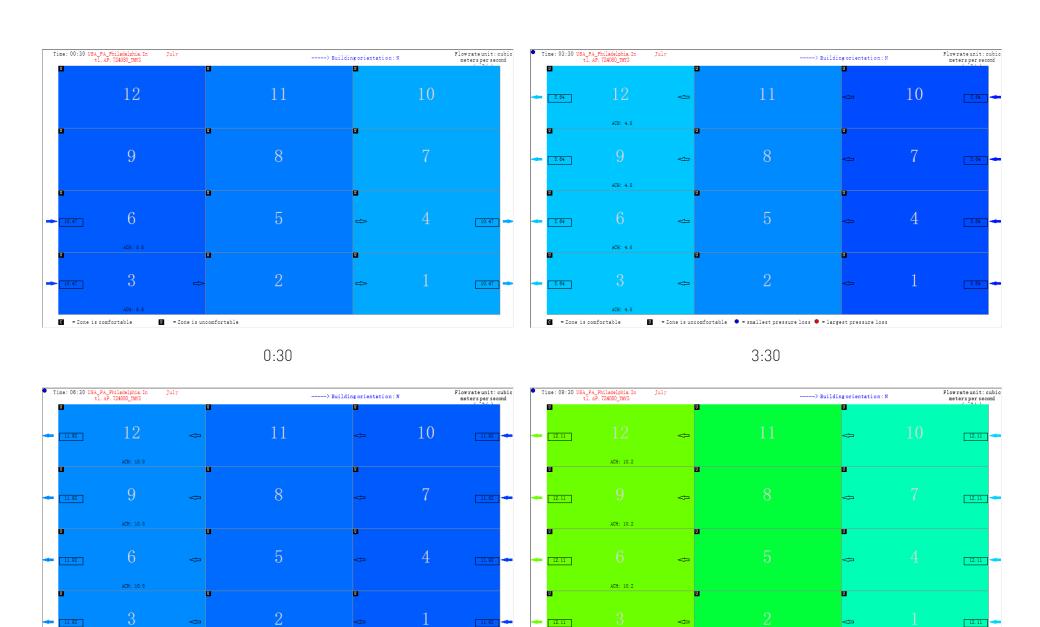
■ - Zone is uncomfortable • - smallest pressure loss • - largest pressure loss

■ - Zone is uncomfortable • - smallest pressure loss • - largest pressure loss

ACH: 8.7

Cross Ventilation





6:30 9:30

C - Zone is comfortable

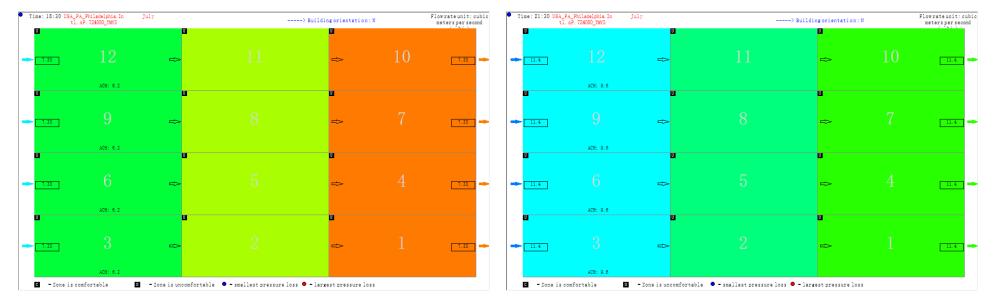
- Zone is comfortable

■ - Zone is uncomfortable • - smallest pressure loss • - largest pressure loss

■ - Zone is uncomfortable • - smallest pressure loss • - largest pressure loss



12:30 15:30



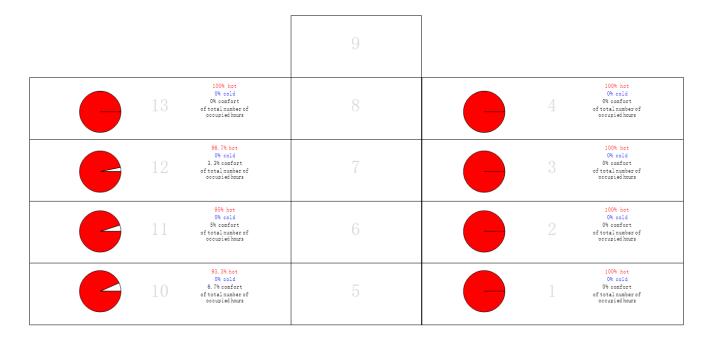
18:30 21:30

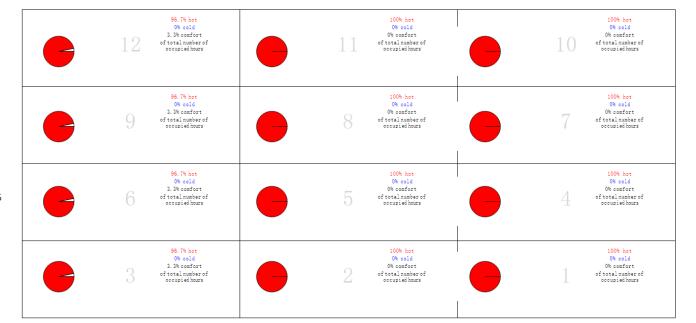
Assignment 08 | Natural Ventilation

Comparison

Central Atrium

Max Flow: 16m³/s Min Flow: 1.2m³/s





Cross Ventilation

Max Flow: 15.2m³/s Min Flow: 5.4m³/s