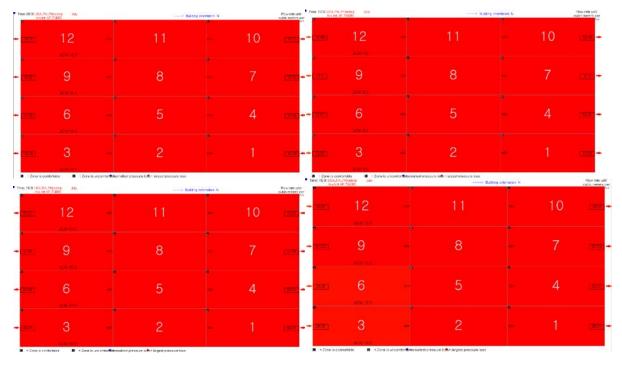
Meyerson Hall Natural Ventilation Study

Tae Hyung Lee

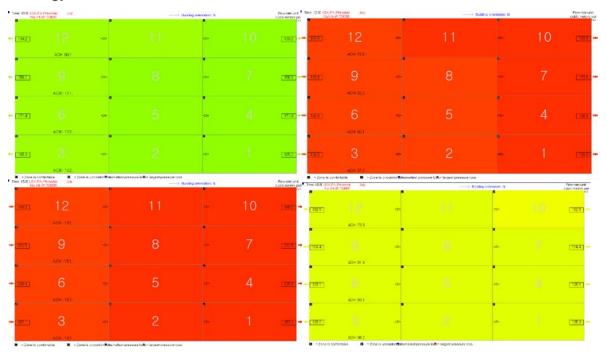
Original State



Thermal Comfort Graph 9:30 to 18:30 (Red:30'C Blue:20'C)

Set as cross ventilation with minimal opening

Strategy 1. Cross Ventilation



Thermal Comfort Graph 9:30 to 18:30 (Red:30'C Blue:20'C)

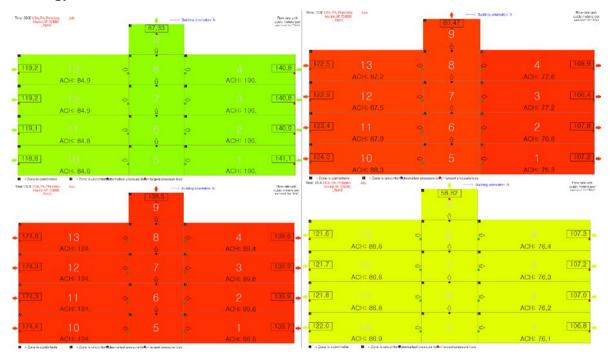
Cross Ventilation with 96.2m^2 opening

Result:

The building is thermally discomfort mostly because humidity is too high.

The temperature of the building does not exceed 30°C.

Strategy 2. Central Atrium



Thermal Comfort Graph 9:30 to 18:30 (Red:30'C Blue:20'C)

Central Atrium with 96.2m^2 opening

Result:

The building is thermally discomfort mostly because humidity is too high.

The temperature of the building does not exceed 30°C.