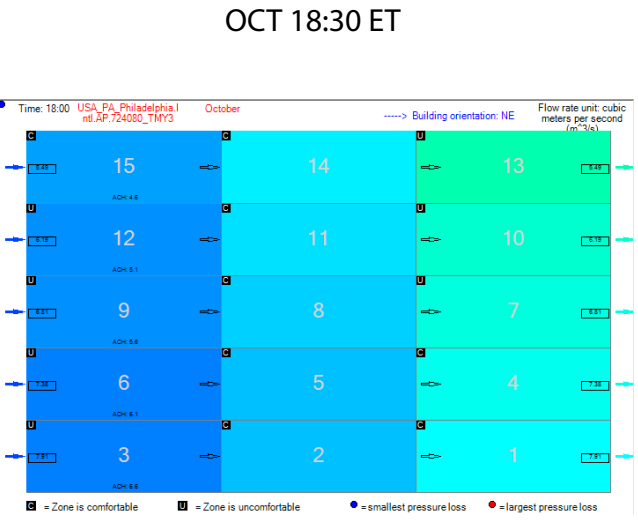
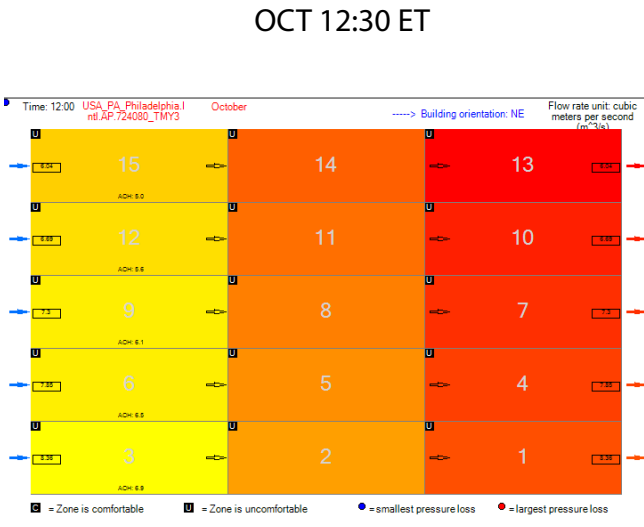
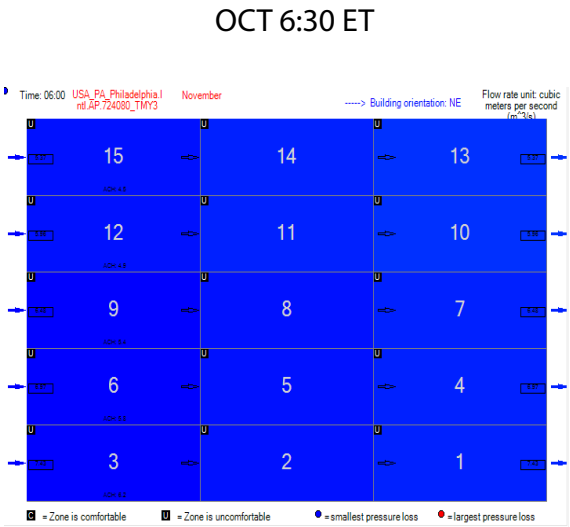
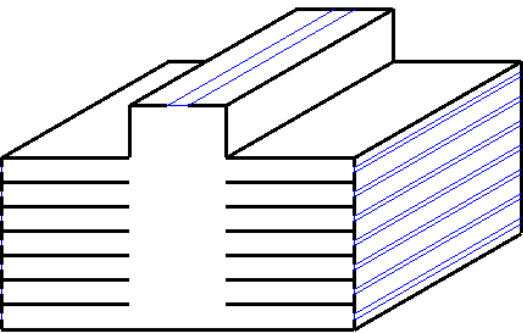


Cross Ventilation - Meyerson Hall

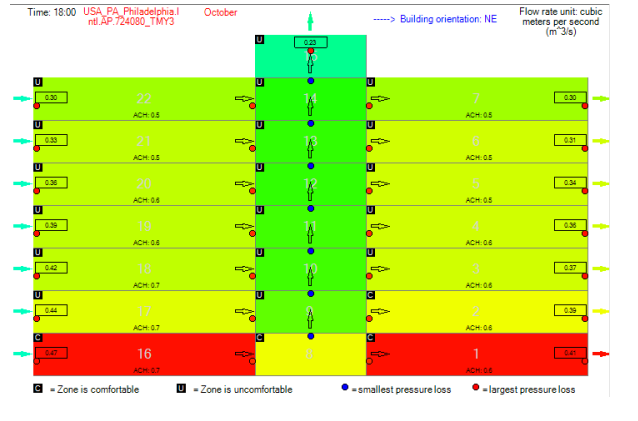
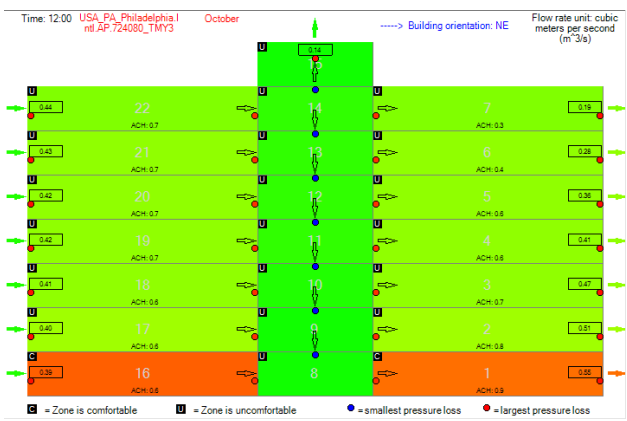
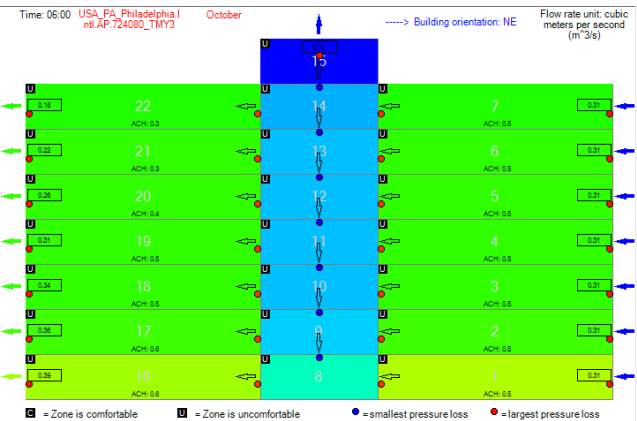


In Meyerson, with Cross Ventilation format, it retains 6 floors with 32\*35m floors.

Applying 2010 Ashrae natural ventilation space and slab thermal mass, it has a general comfortable area in the evening around 18:00-20:00.

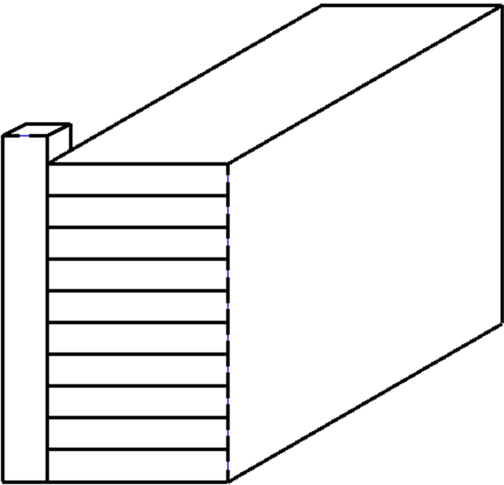


Central Atrium - Design I

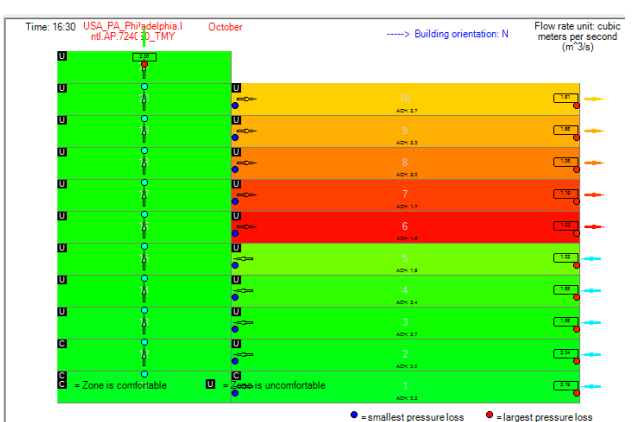
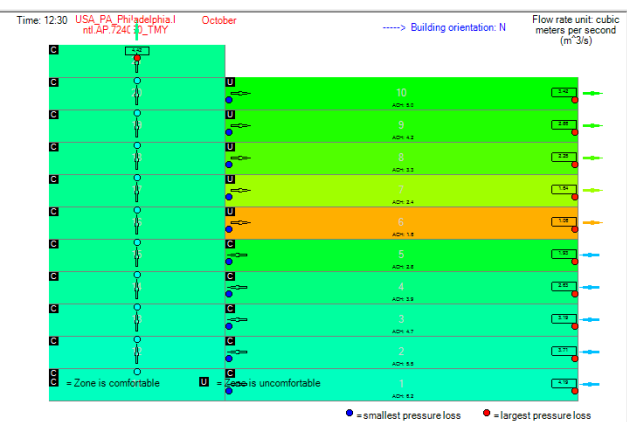
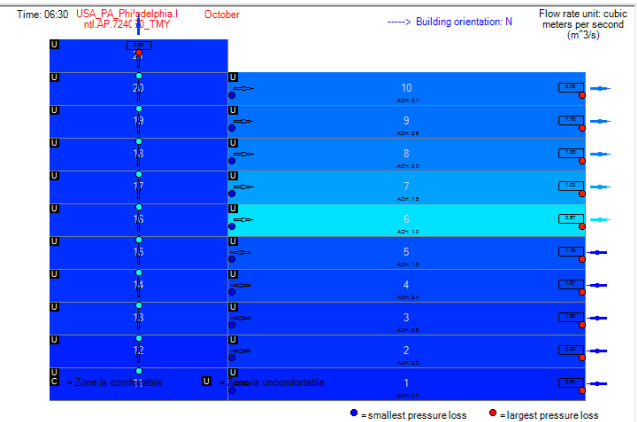


The first design approach was Central Atrium with 7 floors and 30\*20m floor plans. The chimney in particular is 15m width with 8m height at the top.

The design, however, retains a comfortable zone at the 1st and 2nd floor level in the evening around 18:00-21:00. The building operates with 10cm thermal mass and night cooling.



Ventilation Shaft- Design II



The second design approach was Ventilation shaft format with 10 floors with 35\*20m floor plans. The shaft has 5m width, 3m height, and 3m length.

The design, has a good comfort area in the afternoon at the shaft area and the 1st to 6th floor levels with the help of hybrid mechanical-natural ventilation and night cooling.