

# BIOCLIMATIC HYBRIDS

THE NEW CHAUTAUQUA INSTITUTE  
NEW ORLEANS CHAPTER

Jeeeon Lee | Mingbo Peng | Shinyi Kwan

"In New Orleans, music is in the air we breathe in." - Allen Toussaint, 2001  
In consideration of New Orleans' music heritage and festival atmosphere, the New Chautauqua Institute is a development corporation based on hypothetical research, and focuses on achieving renewable economy.

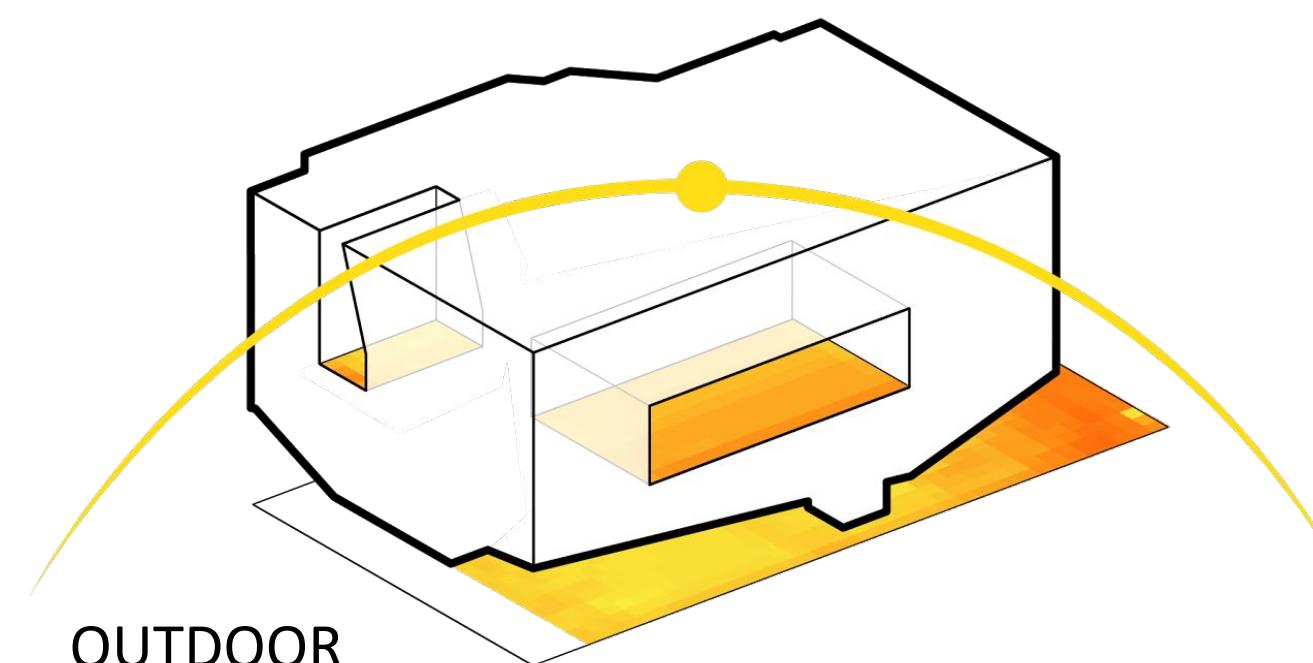
This project introduces the street characteristics of French Quarter to buildings in the neighborhood, and aims to provide comfortable outdoor conditions for all-year-round festival events.

Vertical Street Feelings of French Quarter

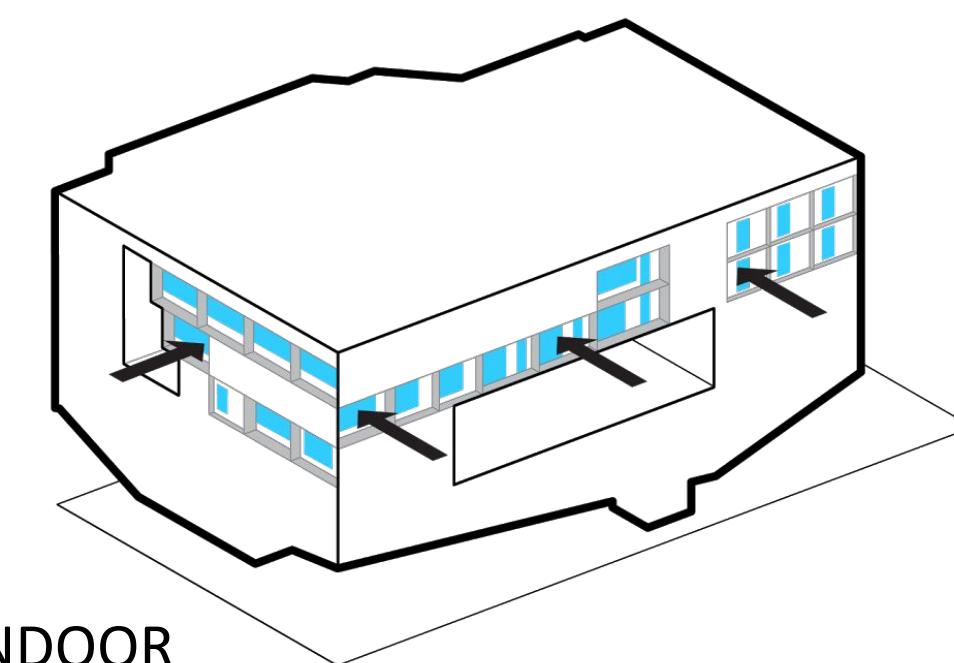
In public zones such as building's first floor and roof, café, retail stores and bars can be seen. The usage of second to fourth floor includes flexible offices for innovators to run businesses. As for fifth to seventh floor, residential area with balconies and skylight is planned, and the design style resembles the open street spaces of French Quarter.

Comfortable Outdoor Environment

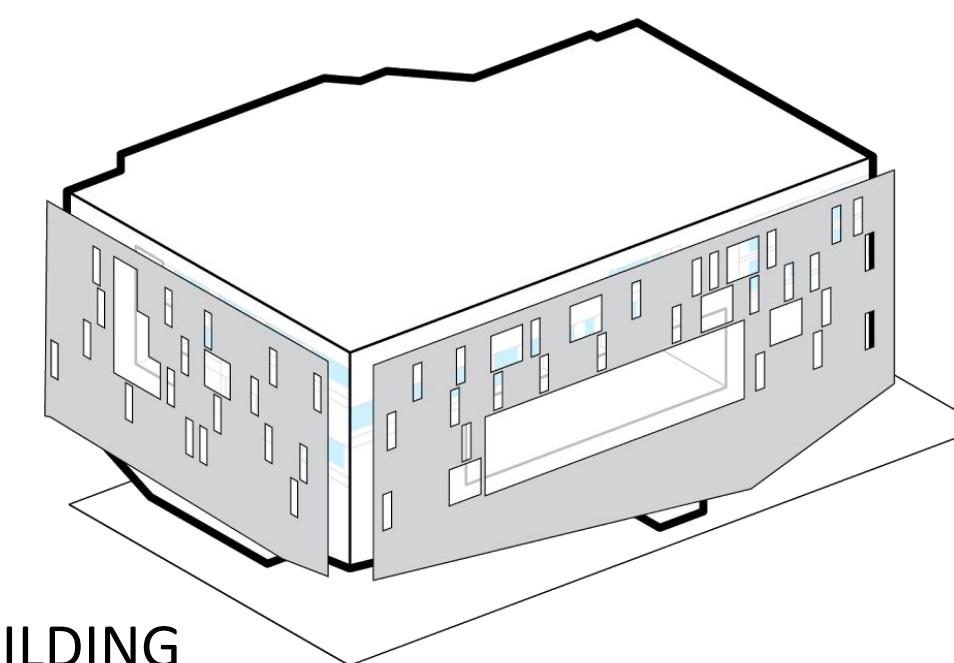
There are three main outdoor areas. The one on the first floor is for people to gather and hold festival events. The second is on the fourth floor, where people can look out and see French Quarter. Lastly, the outdoor roof garden serves as a thermal mass that balances temperature. The conditions of outdoor spaces and atria are optimized with outdoor comfortness simulation.



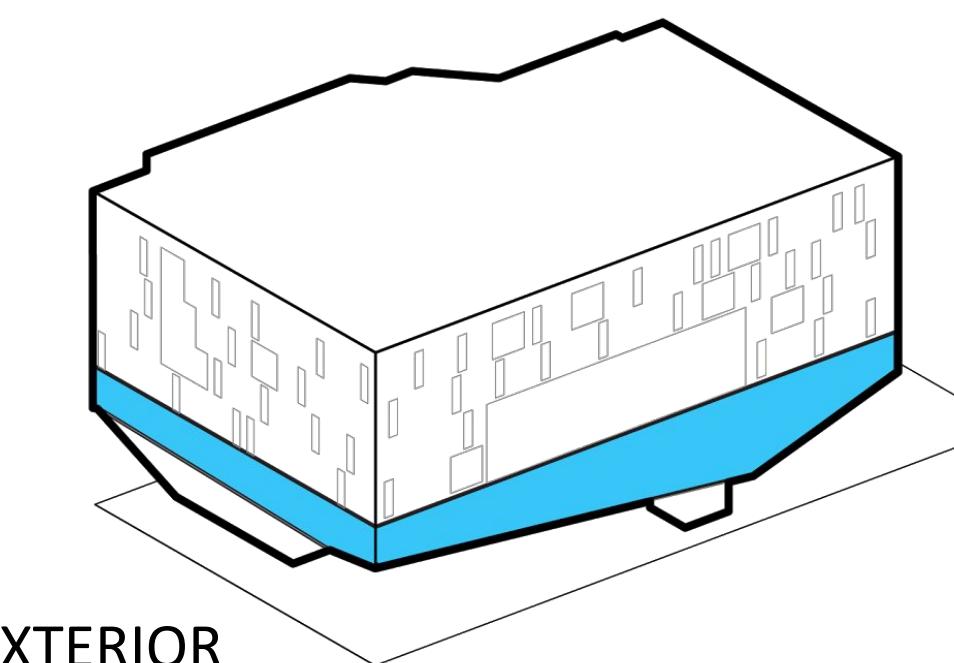
OUTDOOR SELF-SHADING



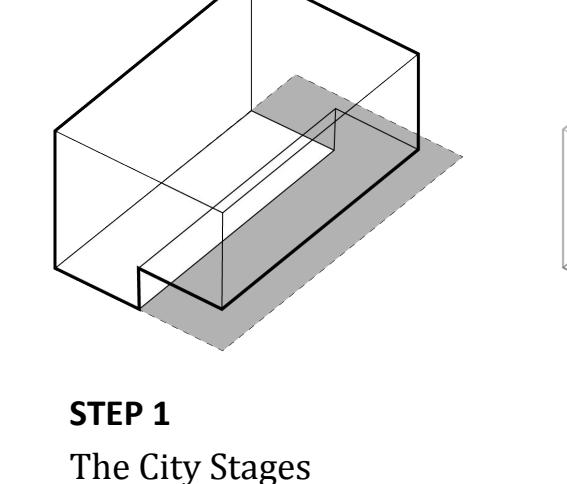
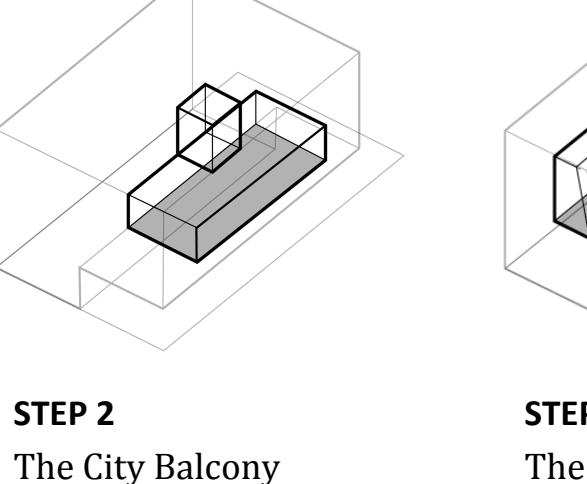
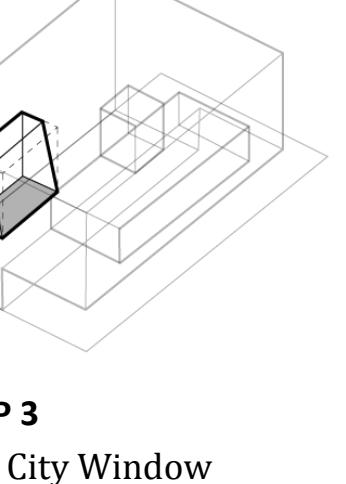
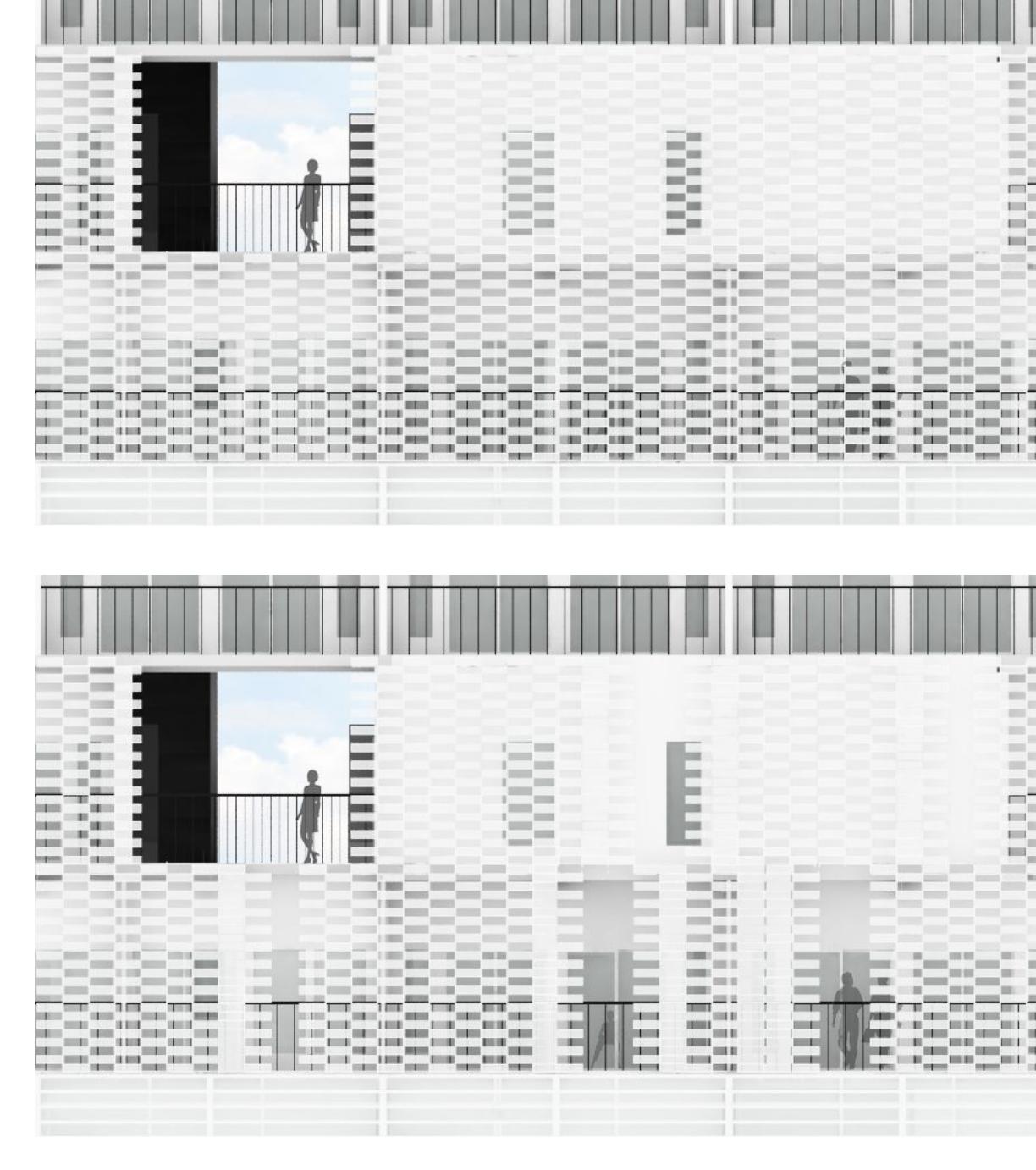
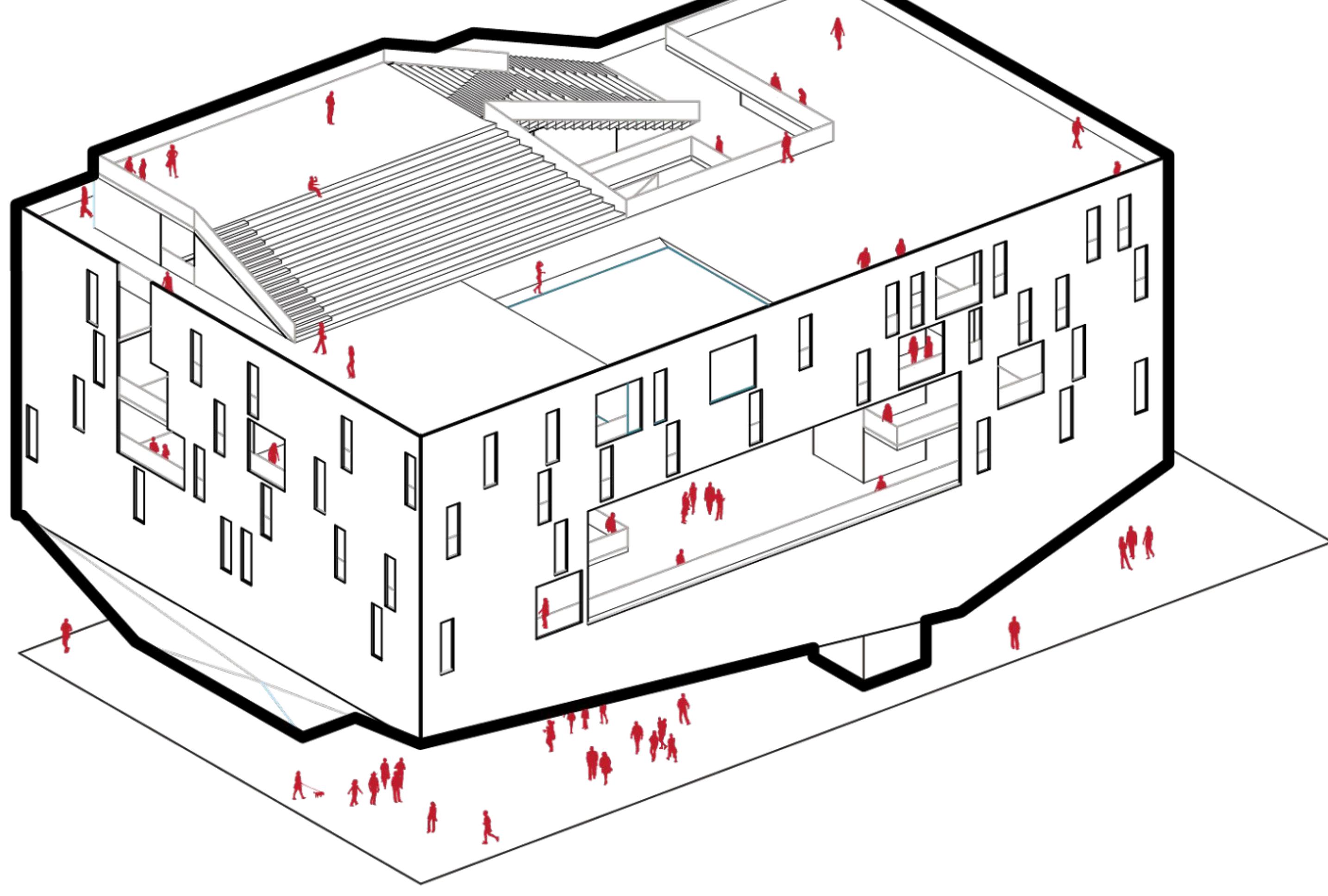
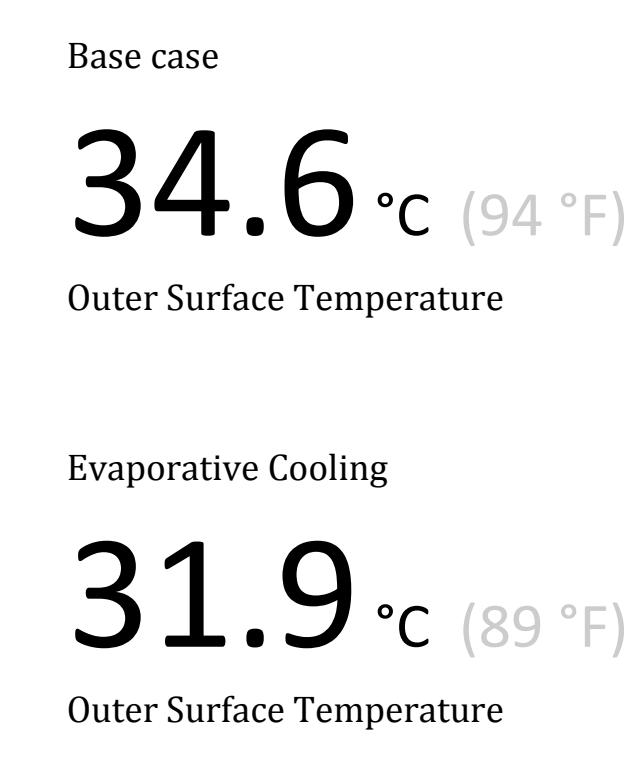
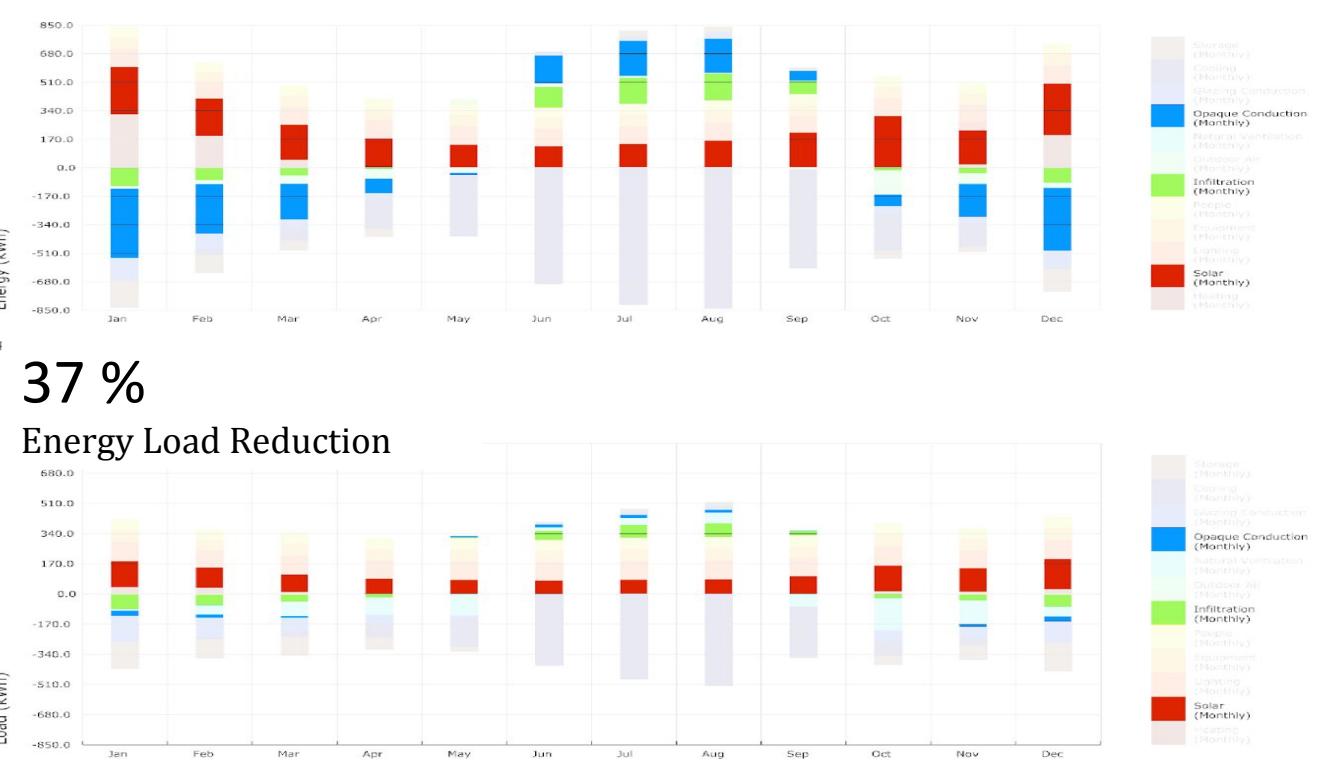
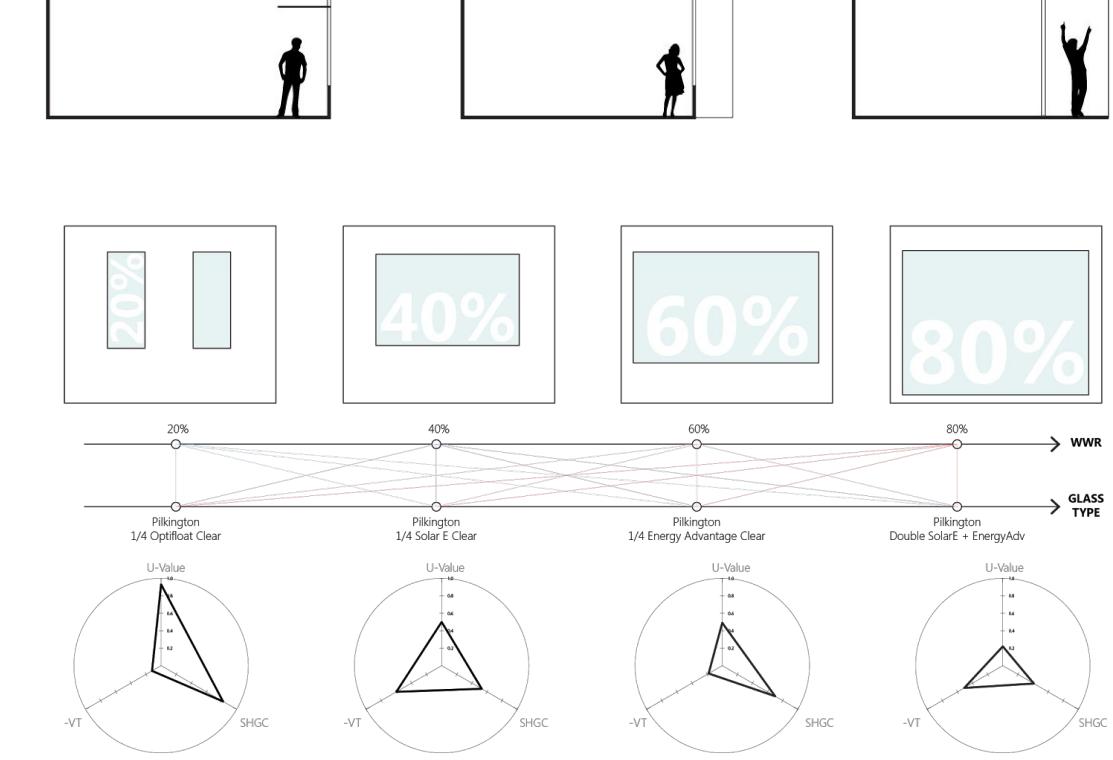
INDOOR BALCONIES



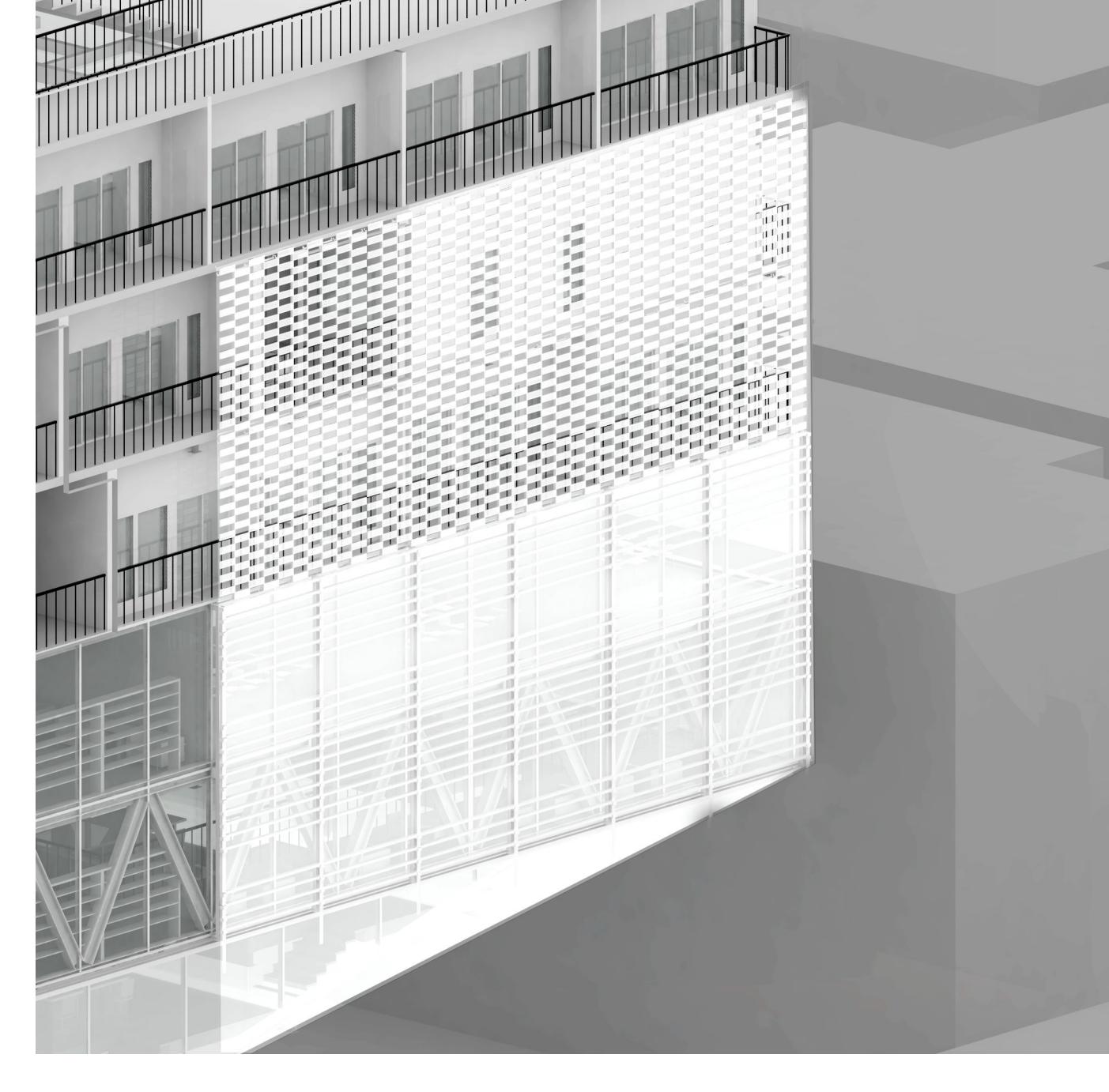
BUILDING SCREEN



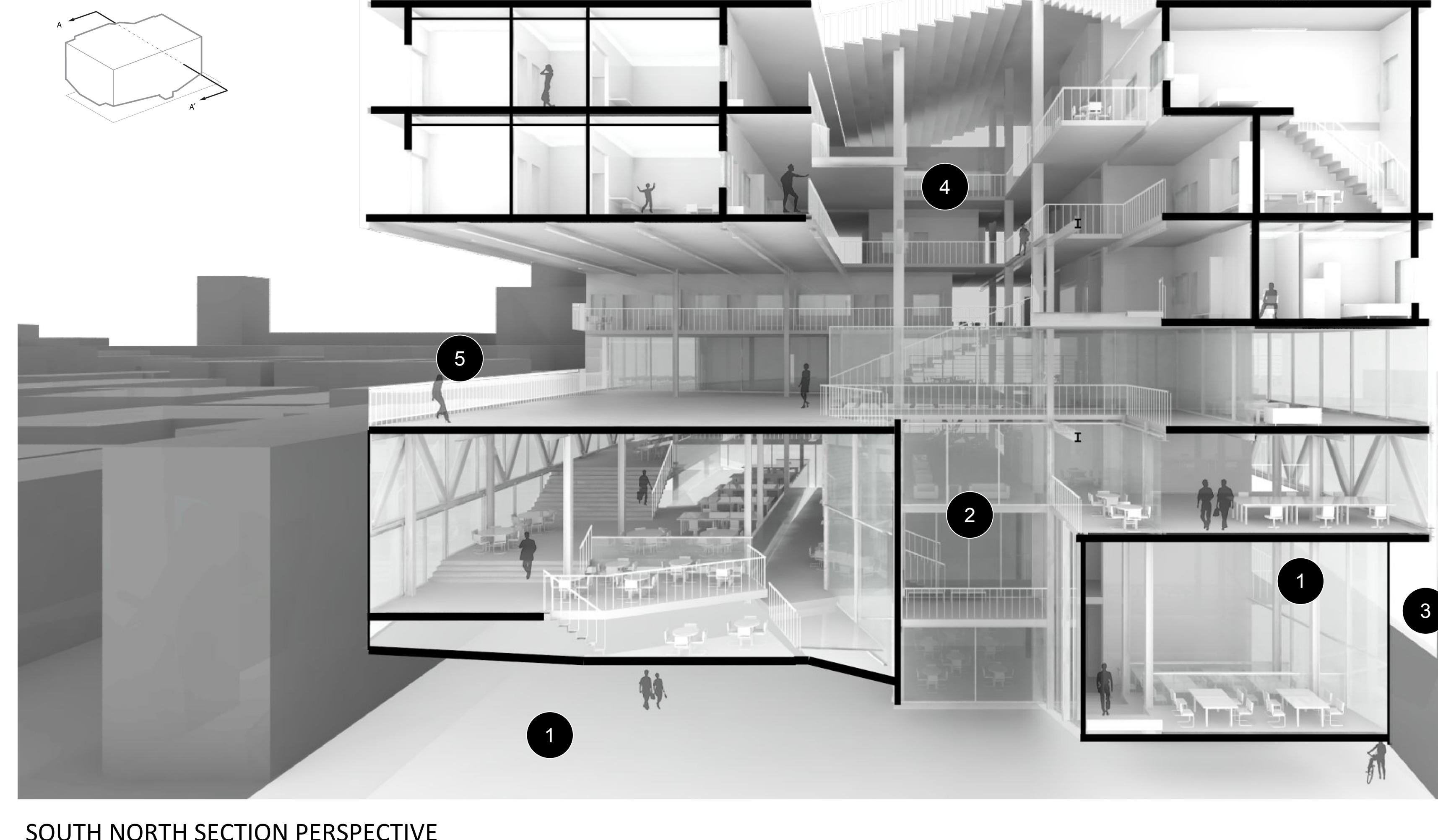
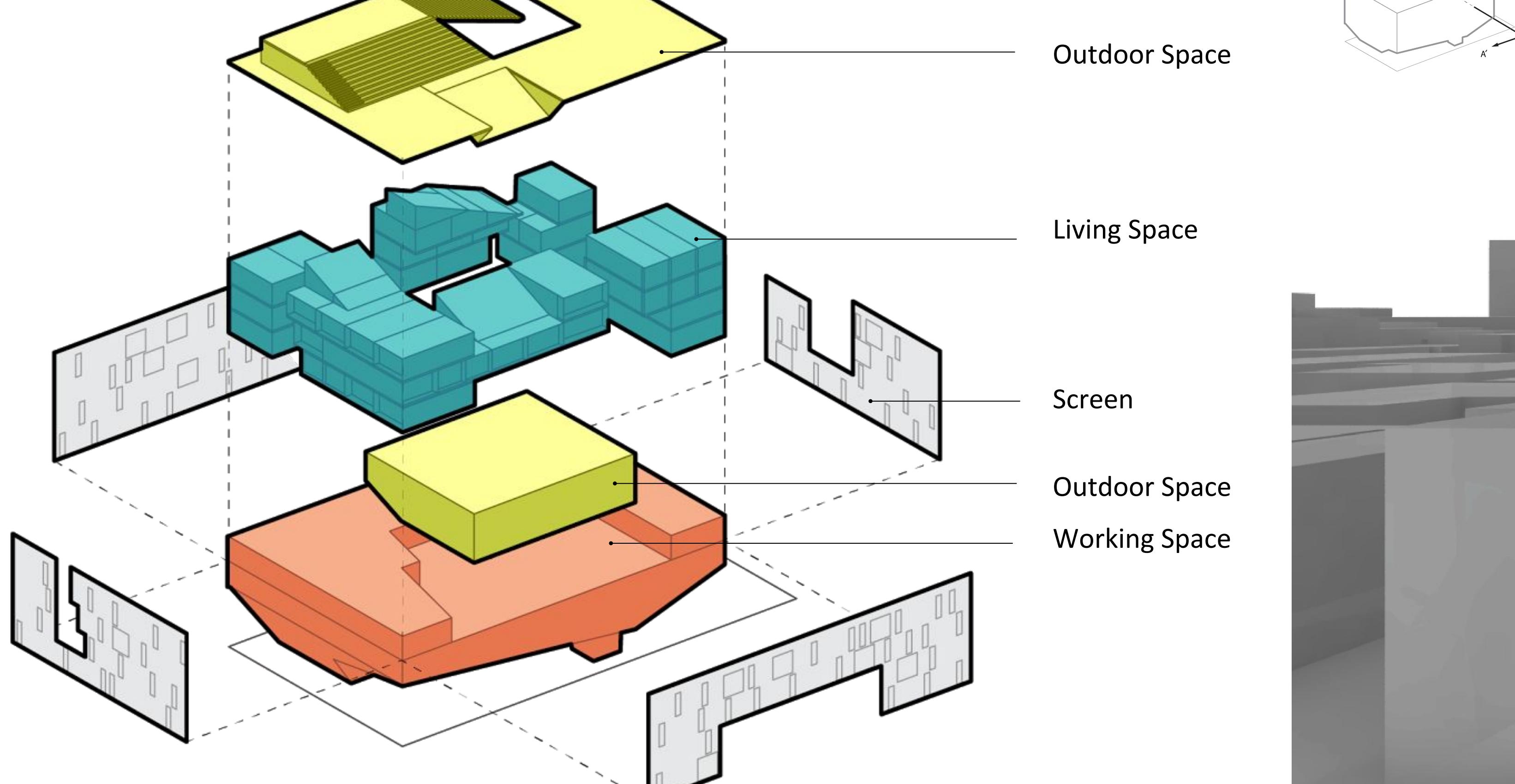
EXTERIOR EVAPORATIVE COOLING

STEP 1  
The City StagesSTEP 2  
The City BalconySTEP 3  
The City Window

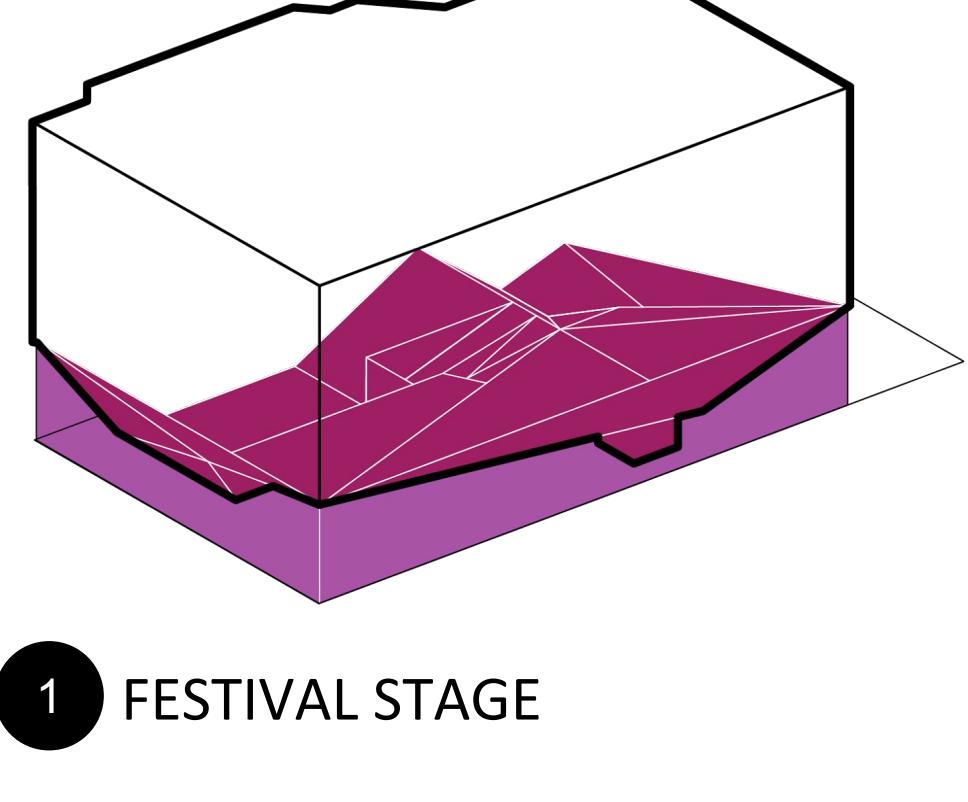
SLIDING SCREEN



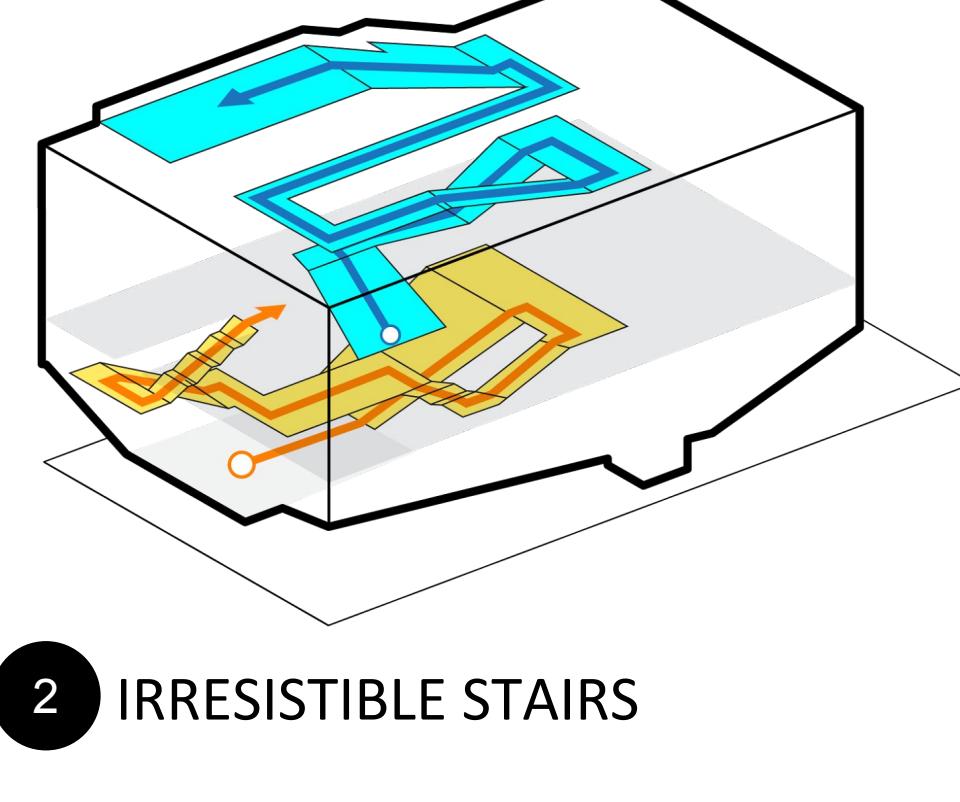
SOUTH EAST SCREEN PERSPECTIVE



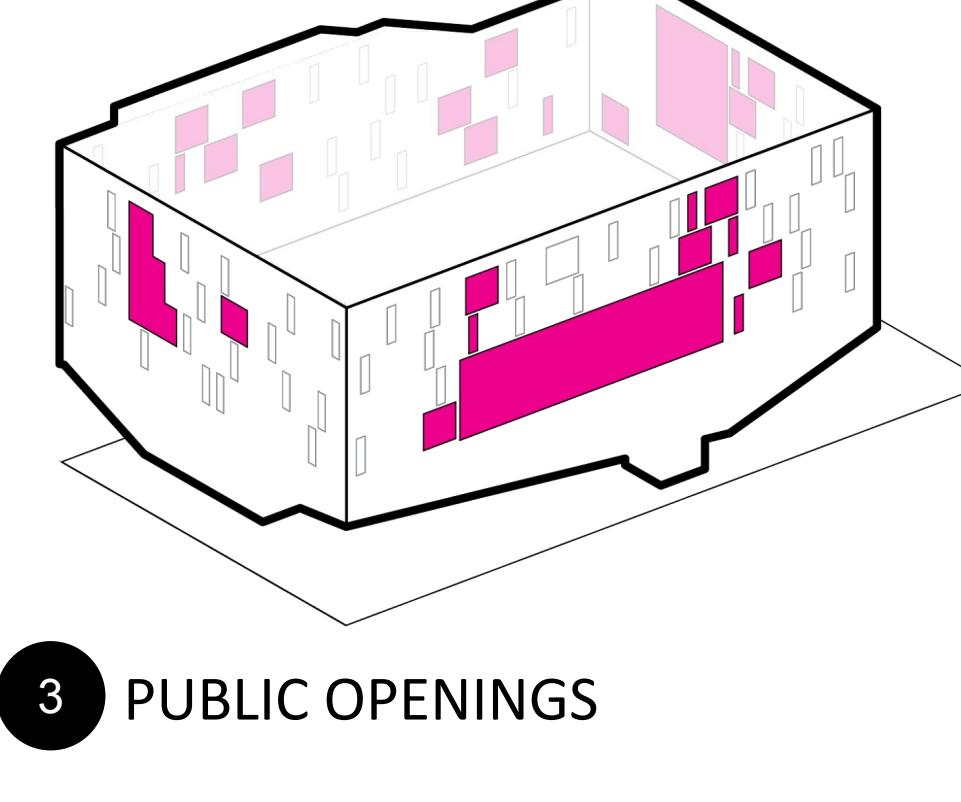
SOUTH NORTH SECTION PERSPECTIVE



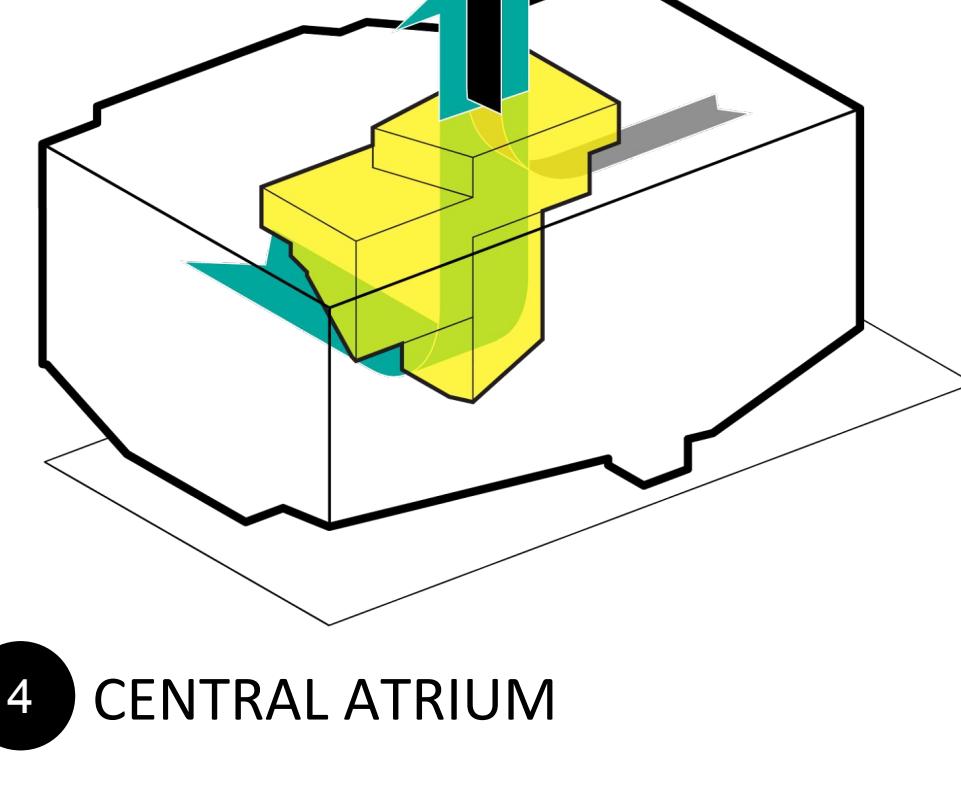
1 FESTIVAL STAGE



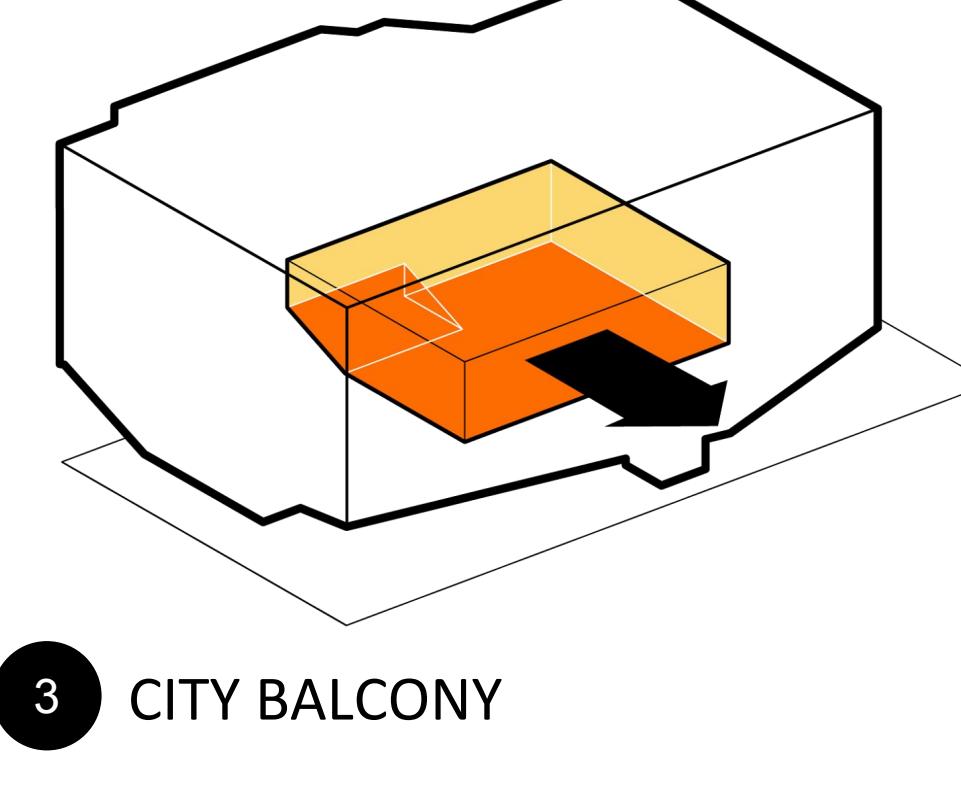
2 IRRESISTIBLE STAIRS



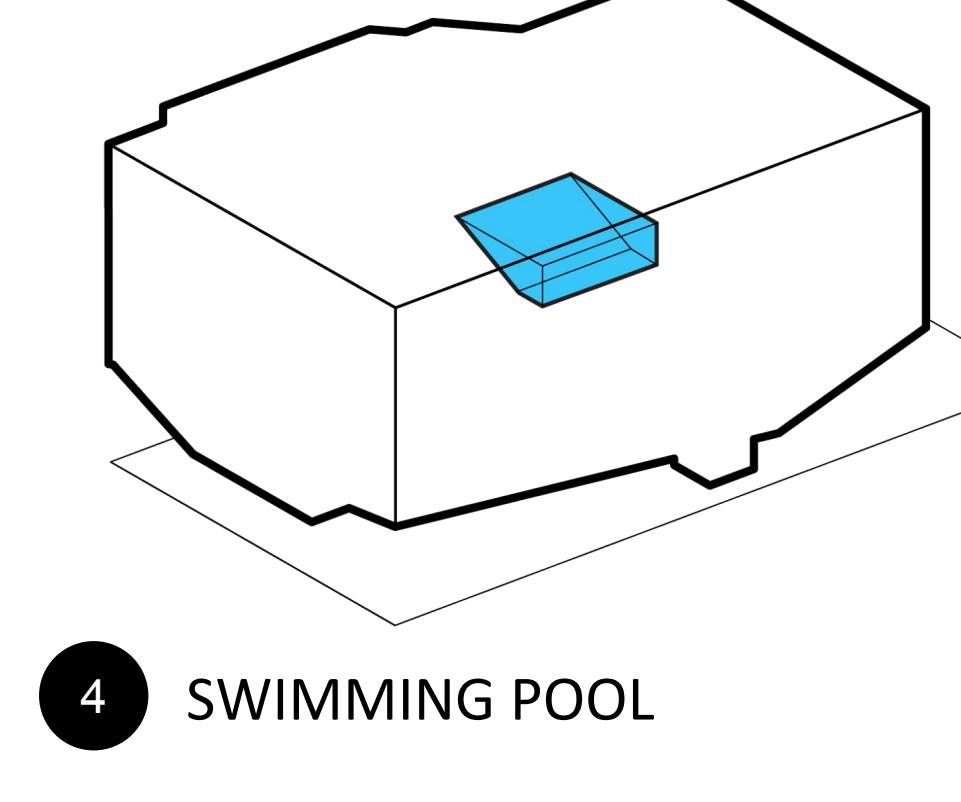
3 PUBLIC OPENINGS



4 CENTRAL ATRIUM



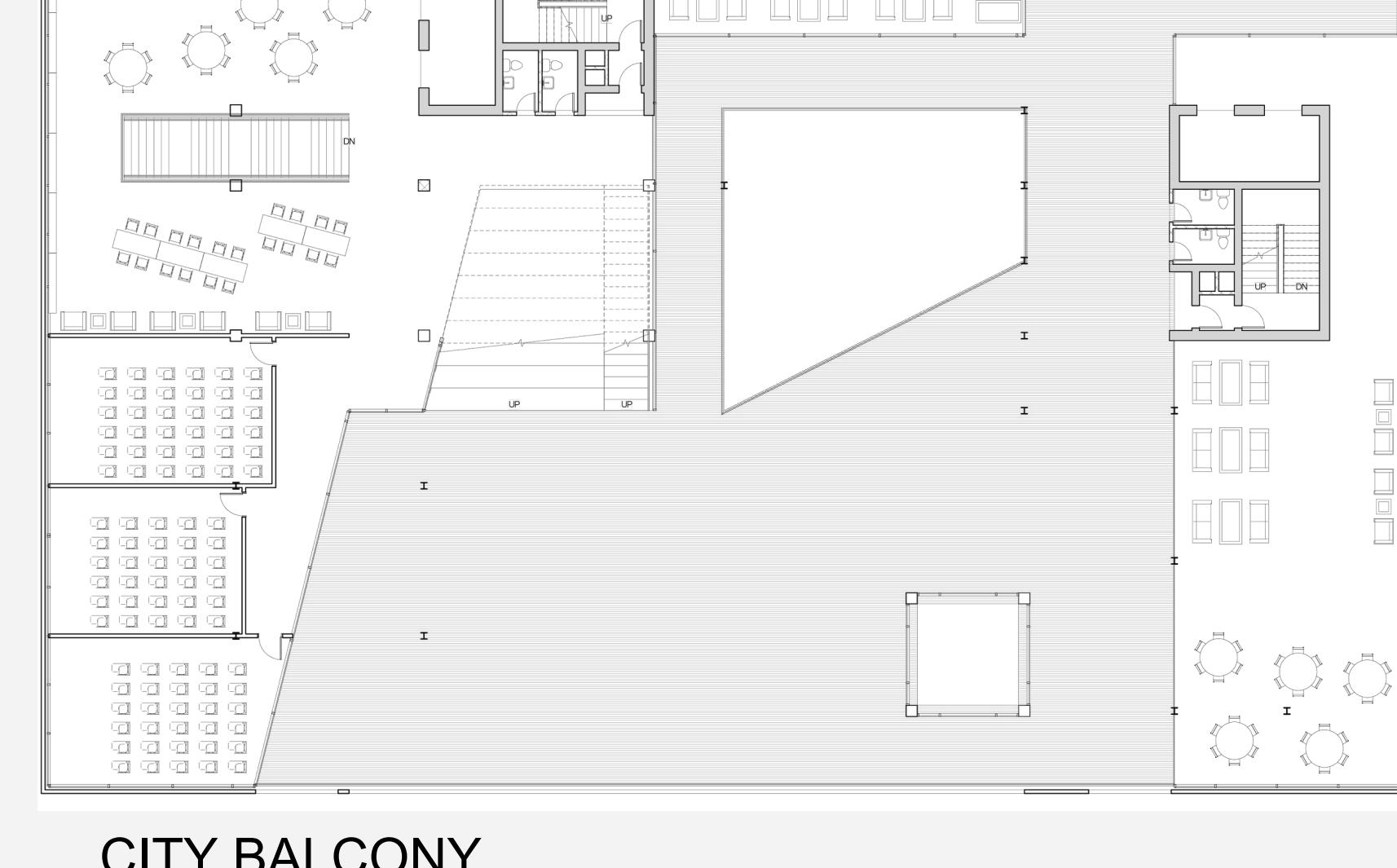
3 CITY BALCONY



4 SWIMMING POOL



OPEN-FLOOR OFFICE



CITY BALCONY



LIVING LEVEL

