

# THE VILLAGE LINK

In the busy downtown Financial District, The Village Link introduces a new community that envisions a self-determined community that fuses "NATURE and ARCHITECTURE." The tower encourages social sustainability through its three major functional zones: GROWING, LIVING, and SOCIAL/ACTIVITY. Along with those major zones, the Village tower introduces Co-living to the downtown area which provides more affordable living units. Within those three zones, generous community spaces are being provided. In the Growing zone, VERTICAL GARDENS are used for food production. Sport and leisure activities are provided for all residents at multiple activity and social clusters. With such a setting, the building offers a high degree of potential for community by encouraging neighbors to interact with one another and redefines the border between the public and the private. With the rotating floor planes, panorama views are provided which utilizes the 360 degree views that the site provides. This rotation also provides a series of planted terraces created on every floor. Through this rotation, the façade is also being tilted to face true south, hence increase the surface area of high solar exposure, allowing more PV panels to act more efficiently and serve the building's need for energy through renewable, sustainable means.

Another shading skin surrounds those rotating floor plans on the northwest and south east sides, providing communal spaces, economical means for vertical and horizontal circulation, and add another layer of sustainable strategies to the project, making sustainability wrap the building as if the units are growing out of the 3 aspects of sustainable design: Social, Environmental, and Economical.

A special glazing system was also provided to keep all the façade facing true coordinates. The façade works to provide privacy and shading through its louver system, and allow natural ventilation through its operable portions. The glazing facing south is all translucent and transparent PV's.

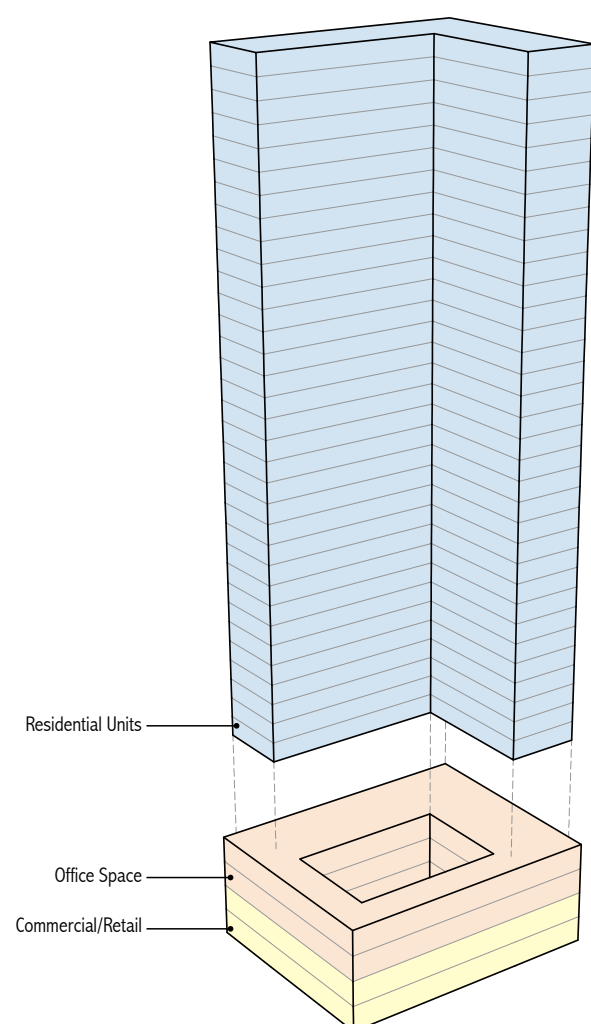
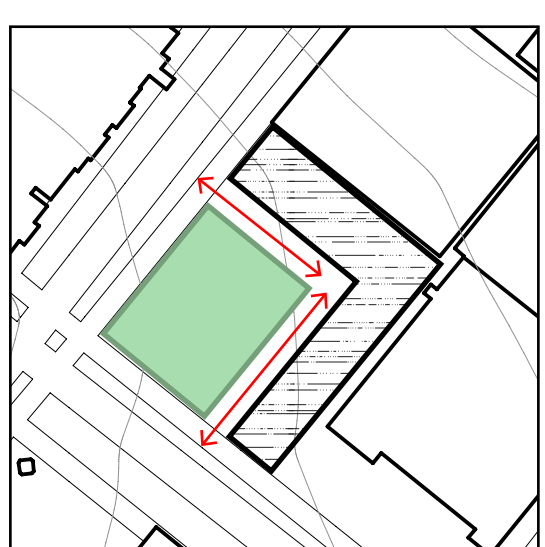
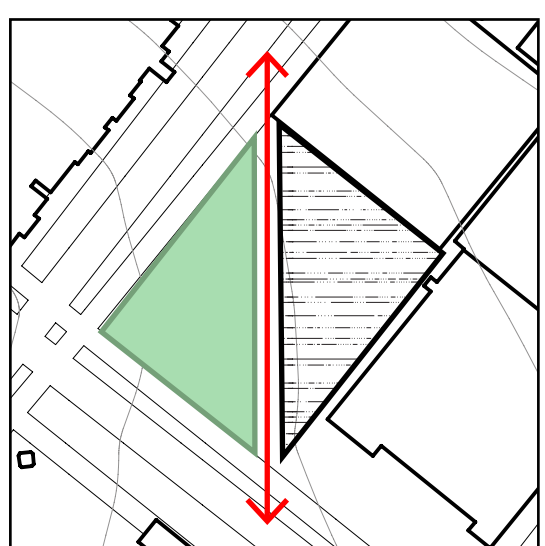
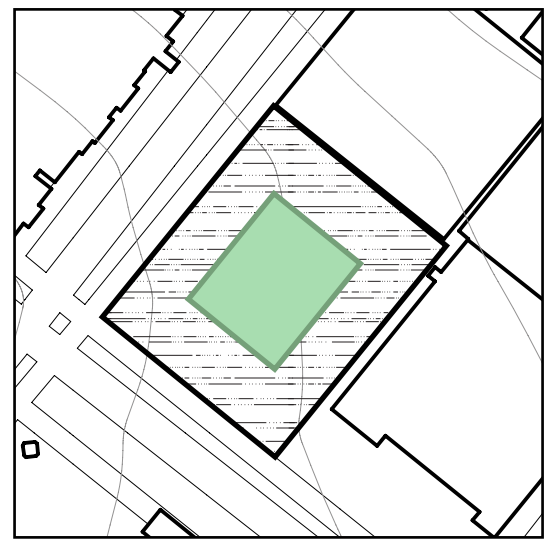


FIGURE GROUND



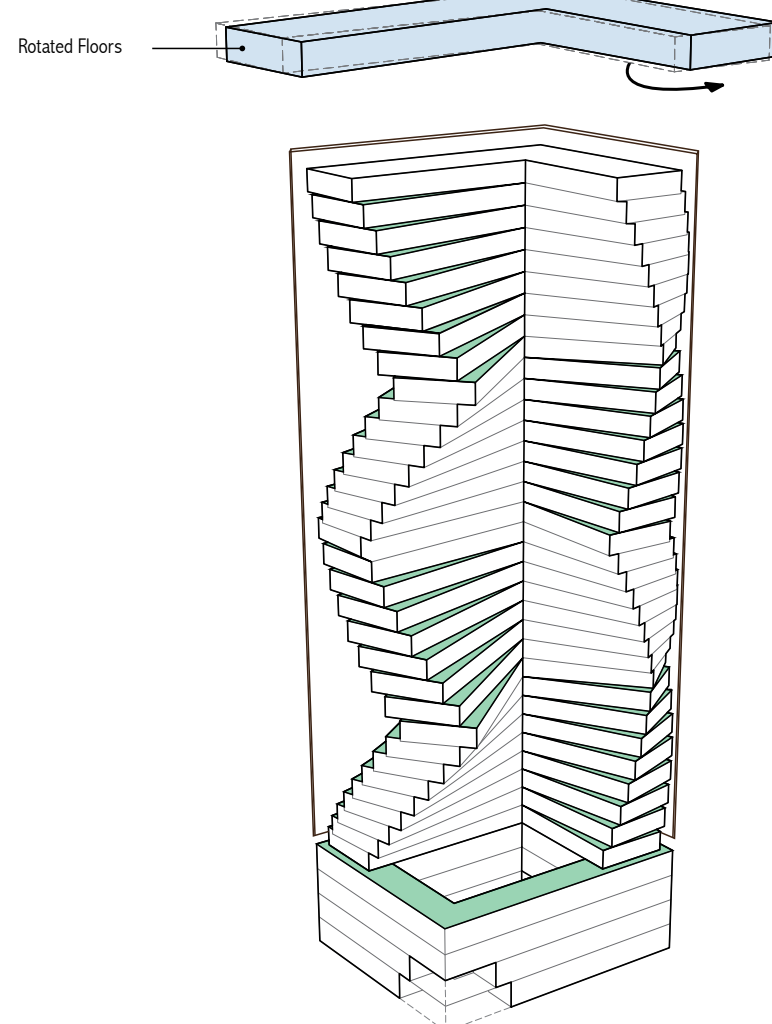
SITE PLAN  
SCALE: 1/64" = 1'00"

## PROCESS



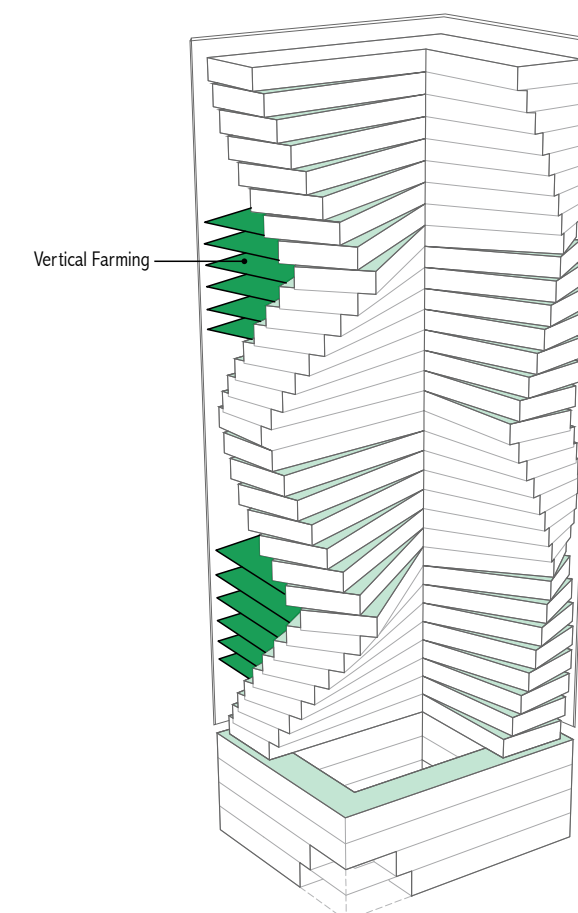
### 1 ZONING AND MASSING

The basic form is made of a courtyard setting on the first four floors, then the courtyard setting is broken into L-shaped planes to provide views for all units in all sides, hence utilize the site's strategic position.



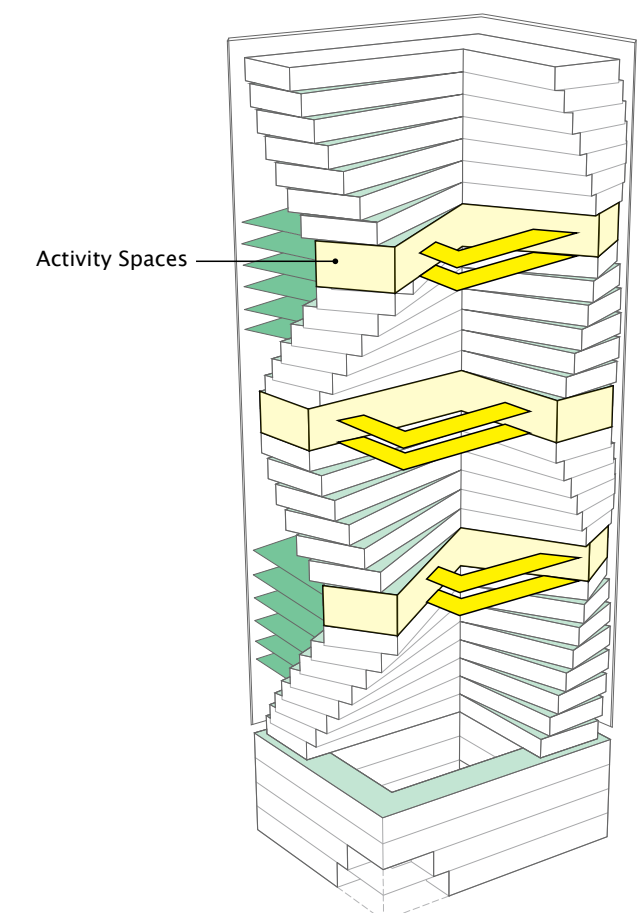
### 2 ROTATION

The L-shaped Residential floors are then being rotated 3 degrees each till they reach true south north orientation and then they rotate back again.



### 3 INTEGRATION

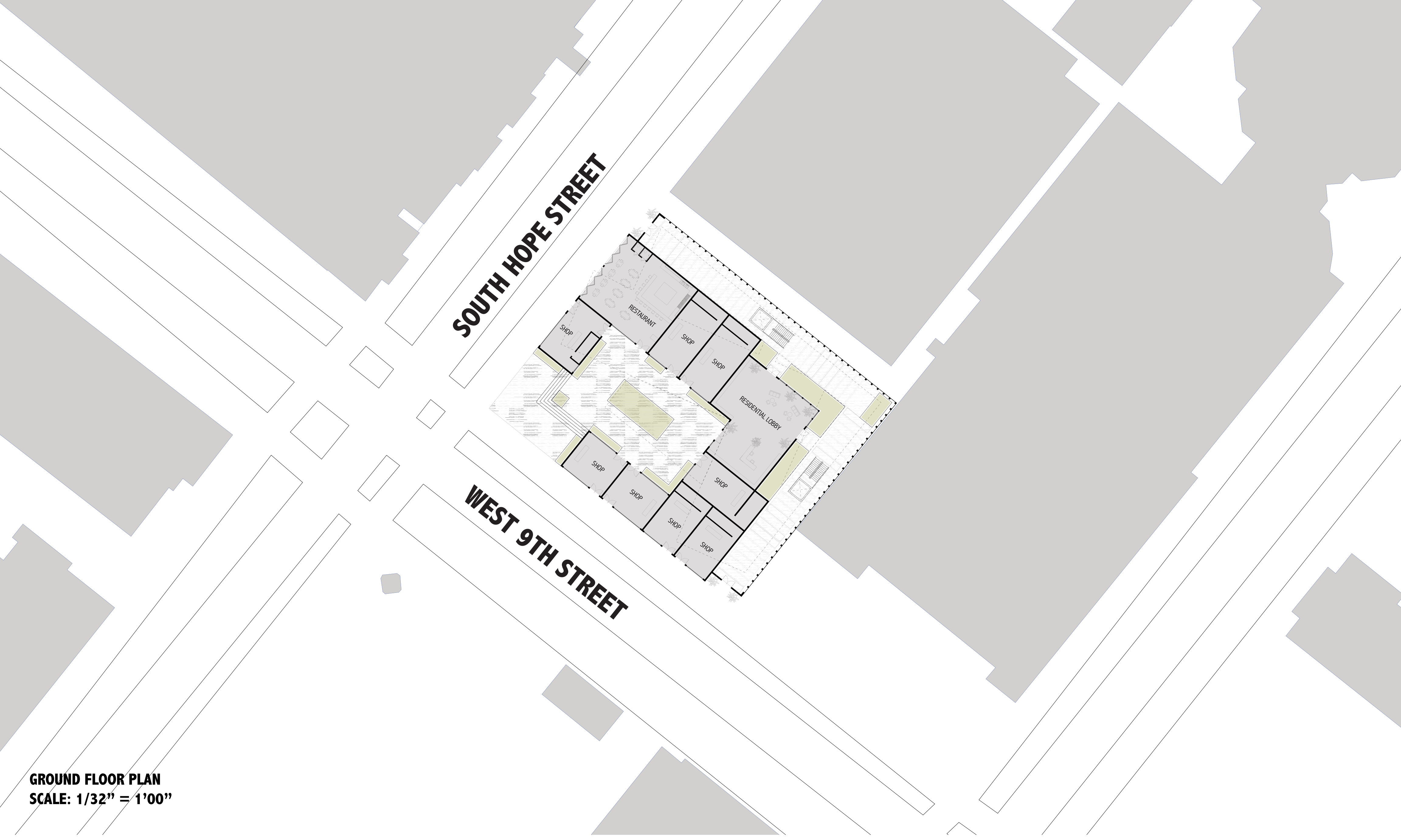
The original orthogonal skin is maintained in position to become a shading skin on the south-east facade and act a visual boundary between the INTEGRATED vertical farming garden and the adjacent buildings.



### 4 ADDITION

Following the original orthogonal, communal activity spaces are ADDED as a social sustainability aspect of the project, set into three separate zones each with a specific theme or function.

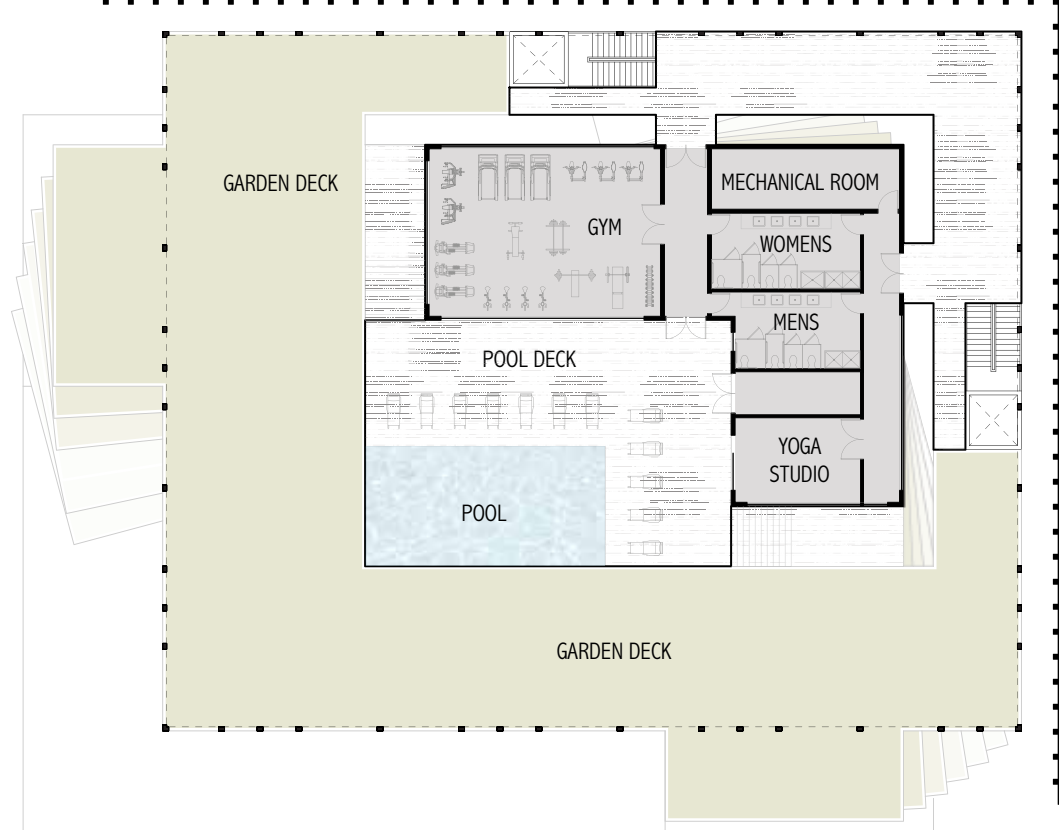




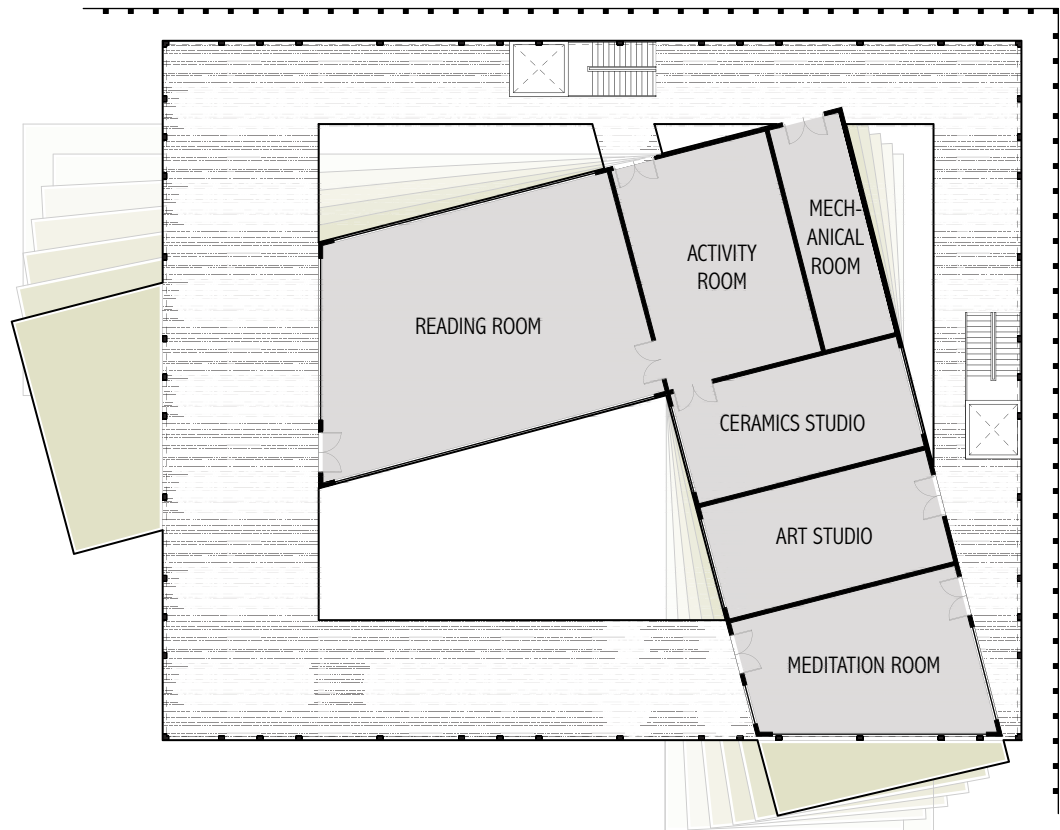
**GROUND FLOOR PLAN**  
SCALE: 1/32" = 1'00"



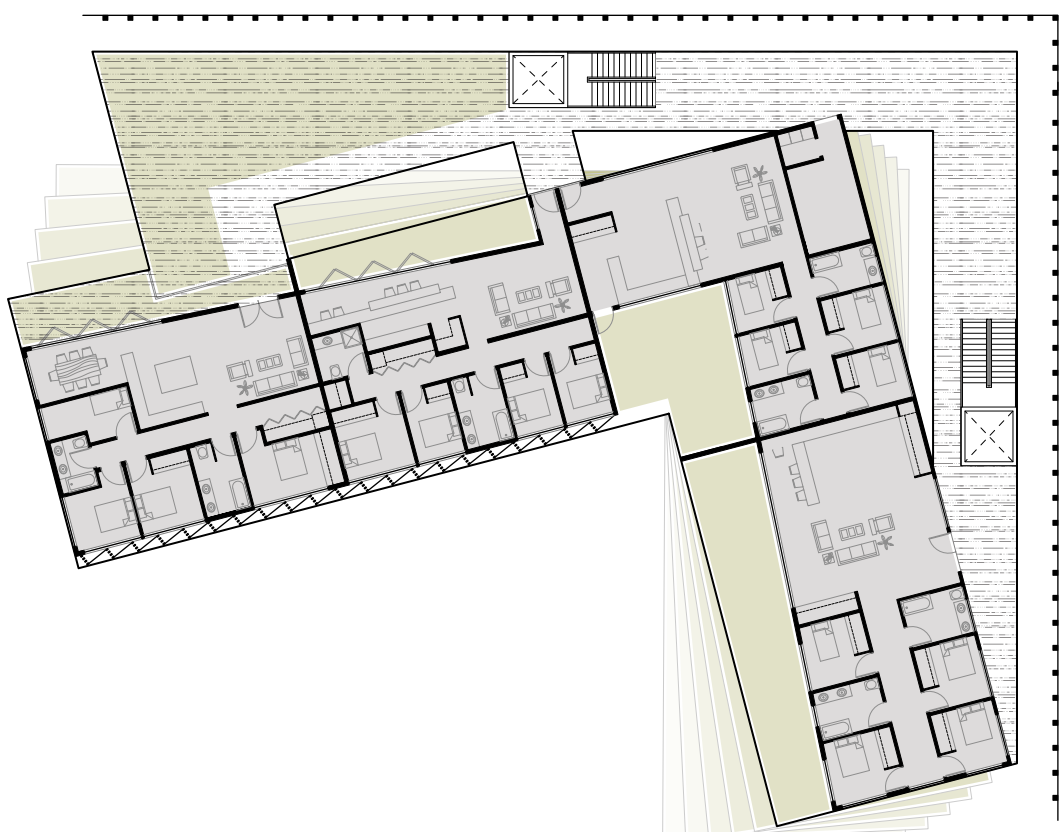
**COMMUNAL FIN**  
SCALE: 1/32" = 1'00"



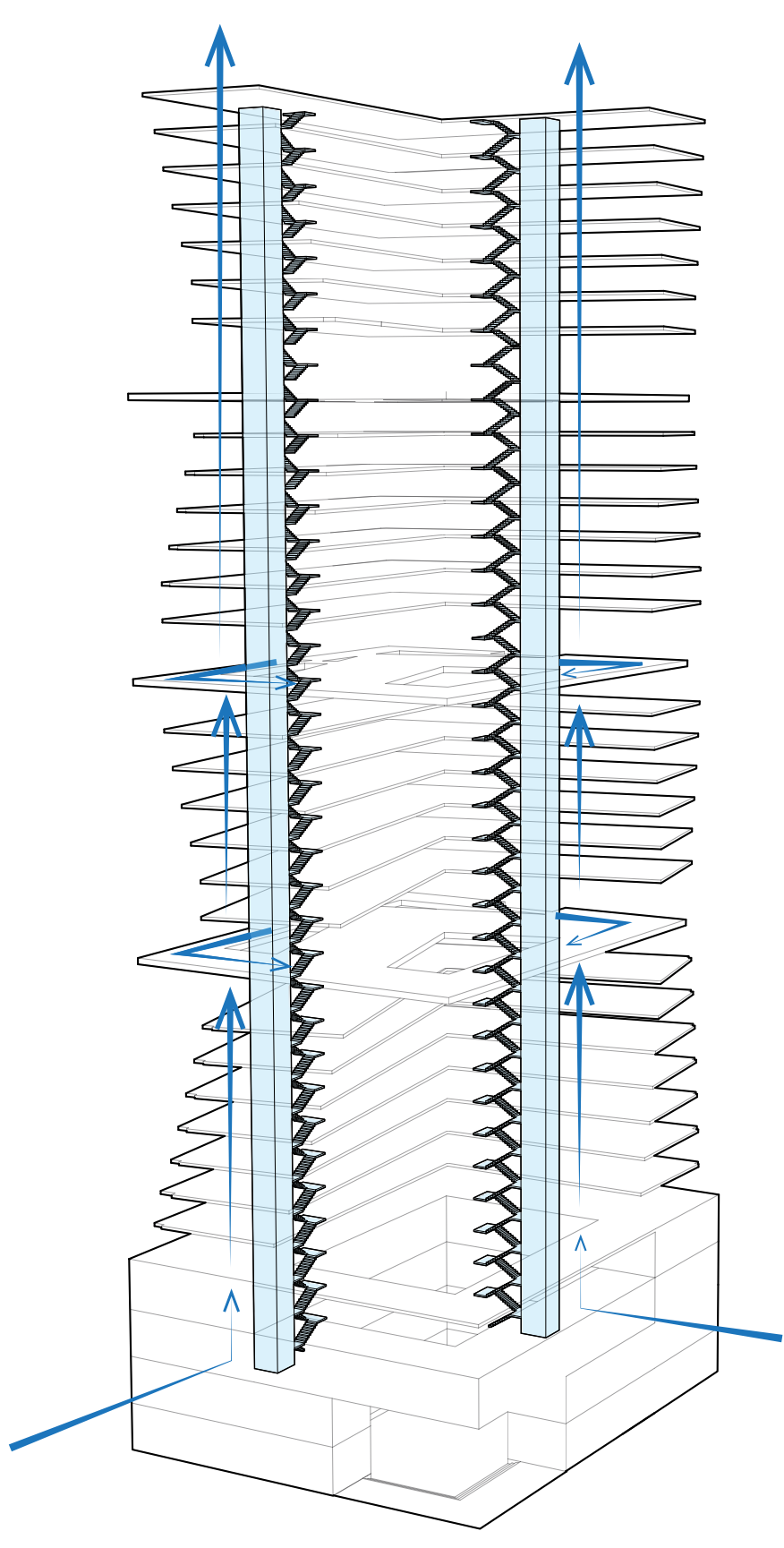
**HEALTH FIN**  
SCALE: 1/32" = 1'00"



**ZEN FIN**  
SCALE: 1/32" = 1'00"



**TYPICAL FLOOR PLAN**  
SCALE: 1/32" = 1'00"



**CIRCULATION**



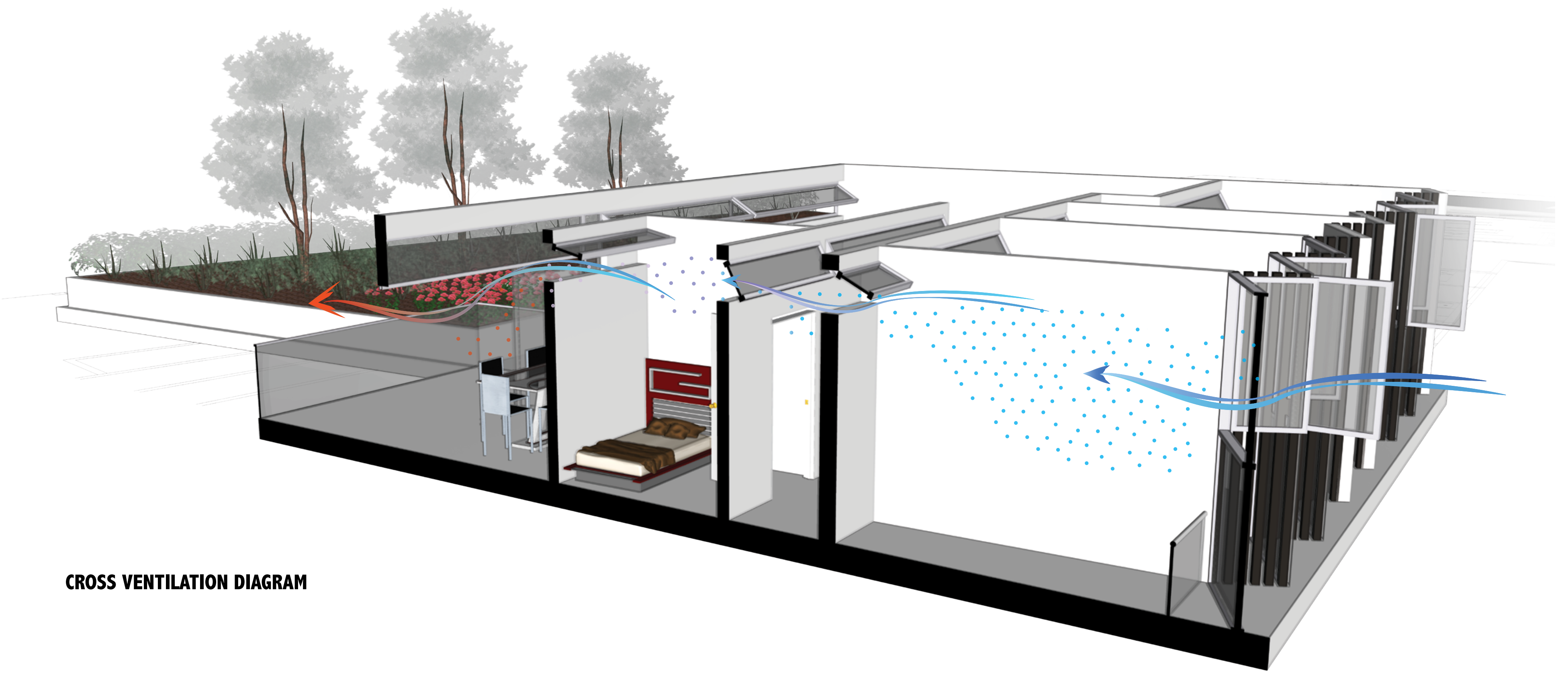
**HEALTH FIN**



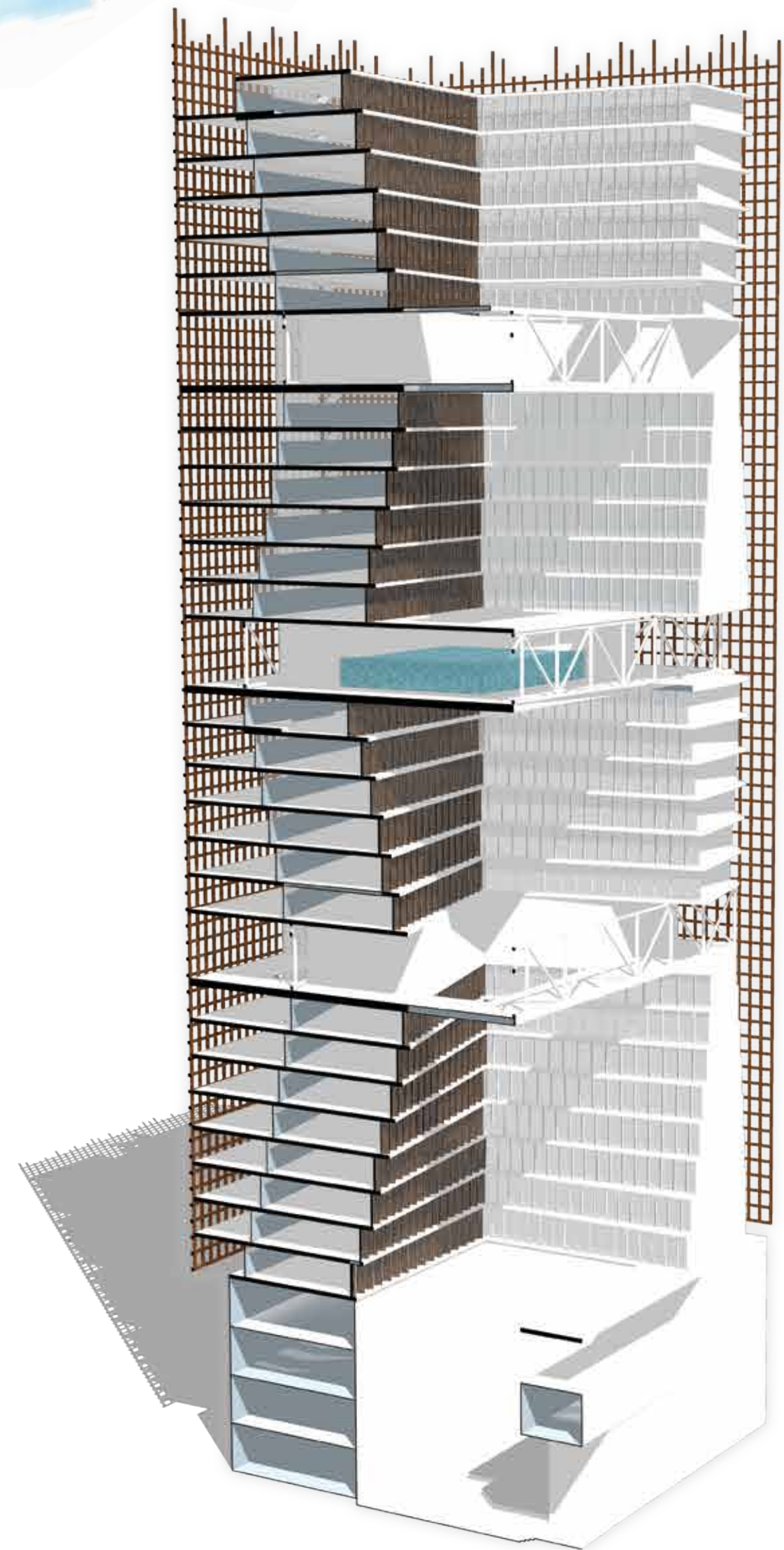
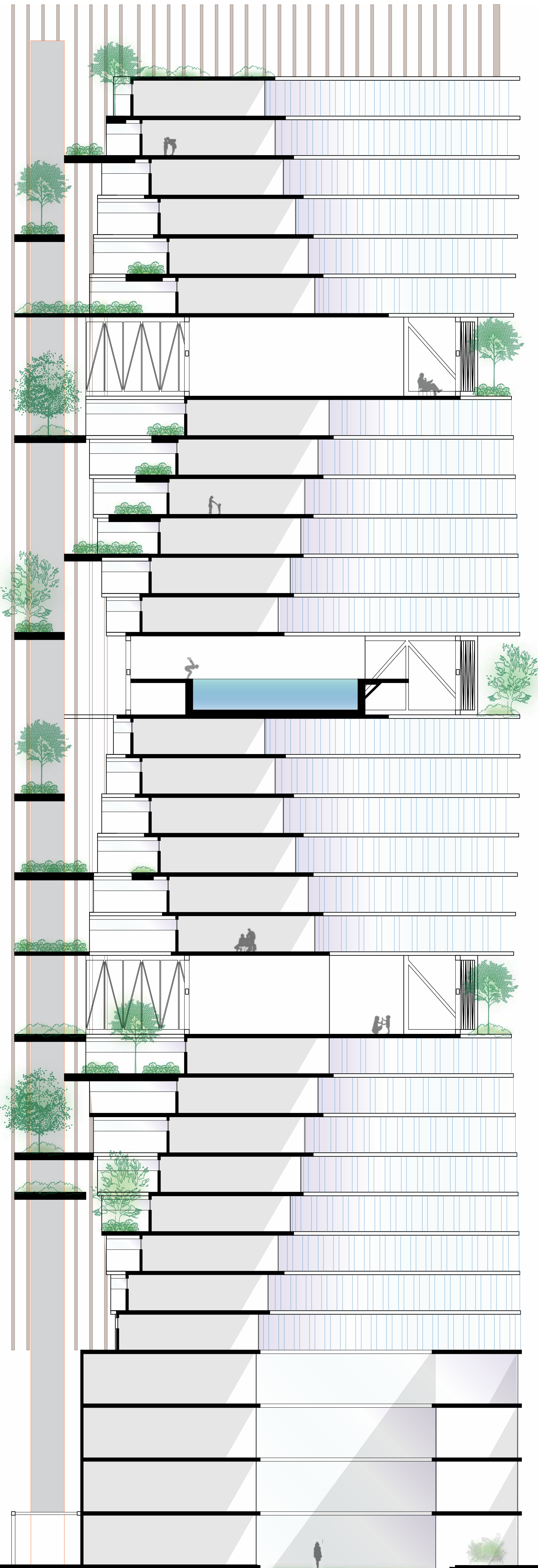
**GROUND FLOOR**



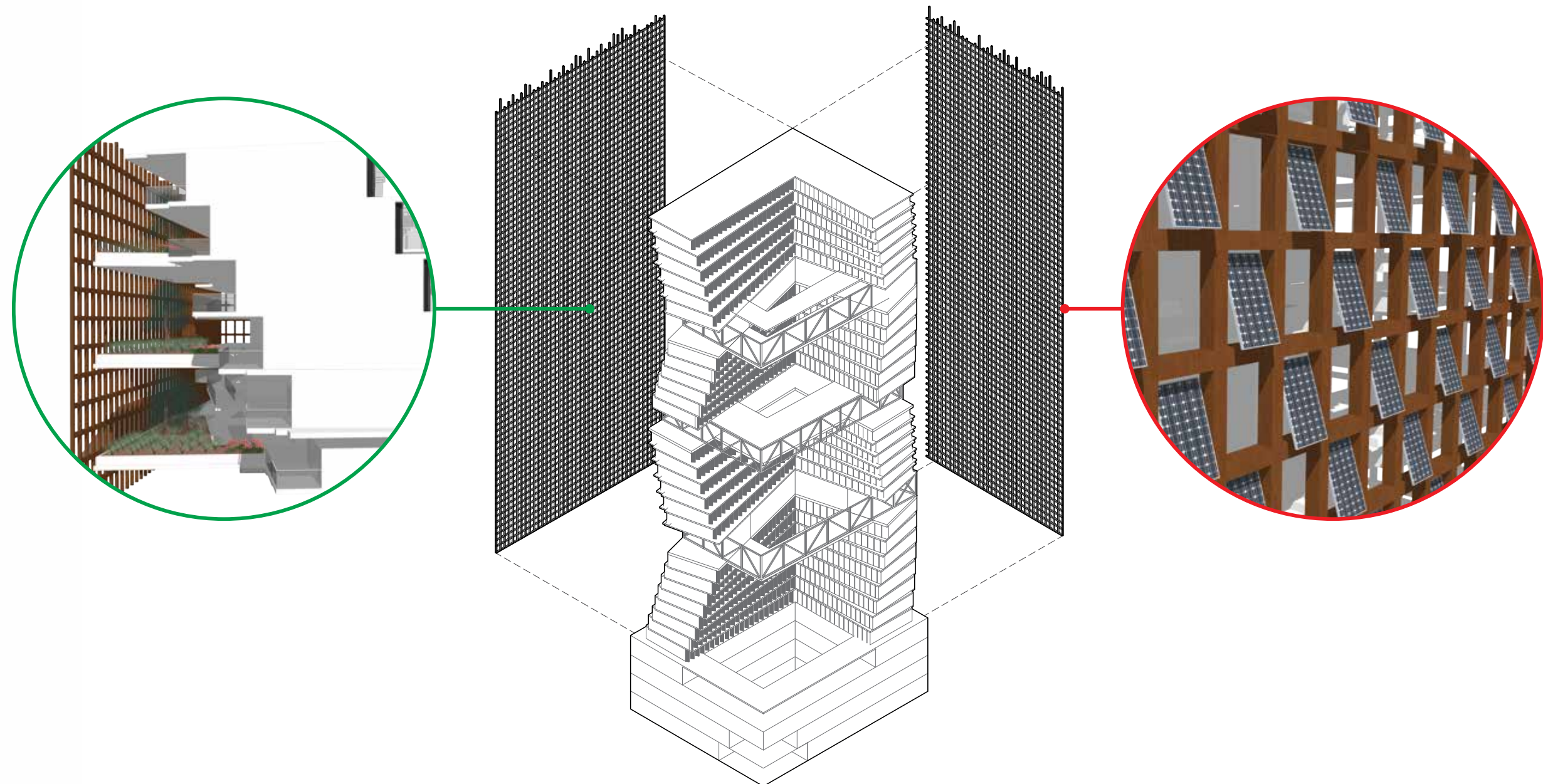




**CROSS VENTILATION DIAGRAM**

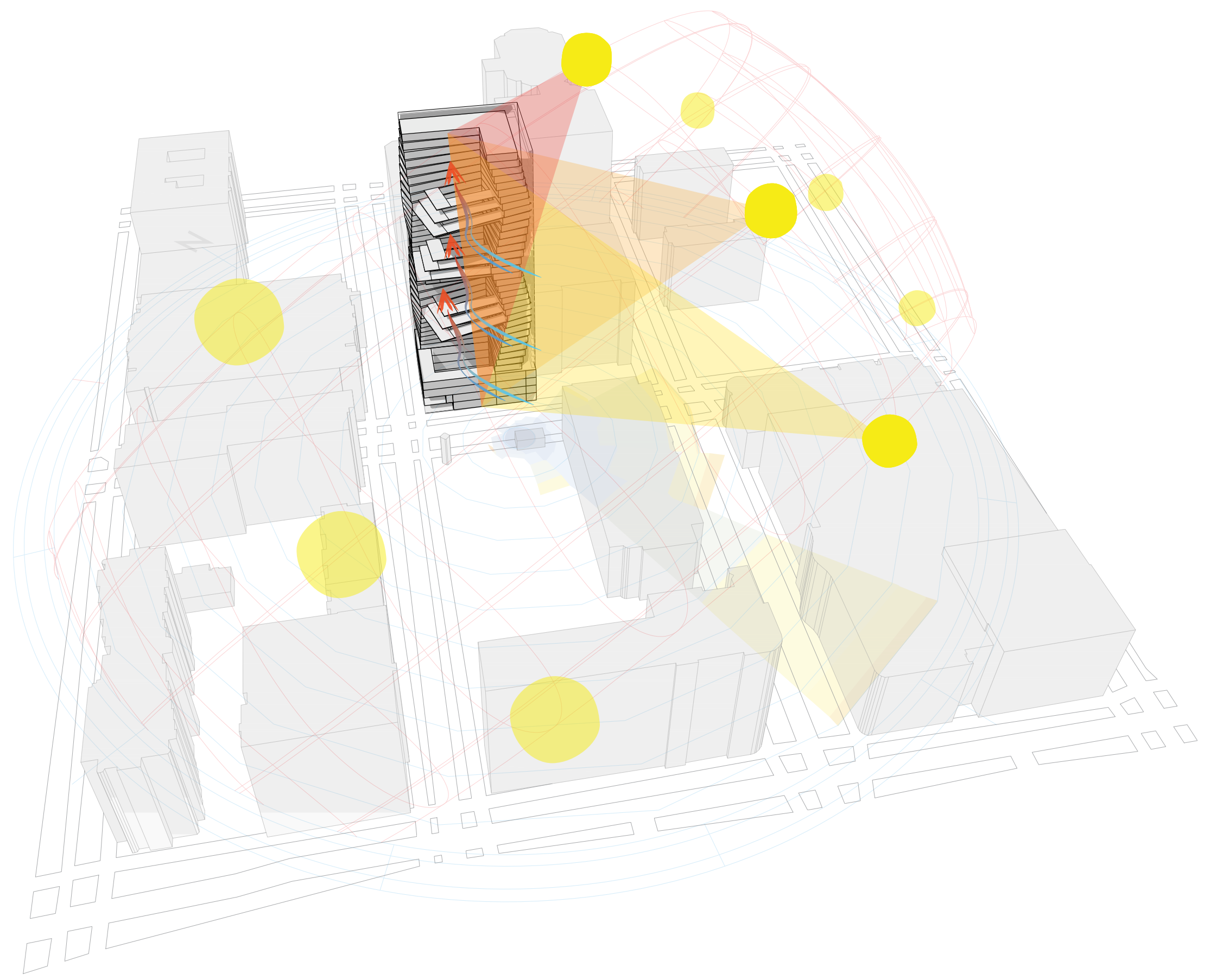
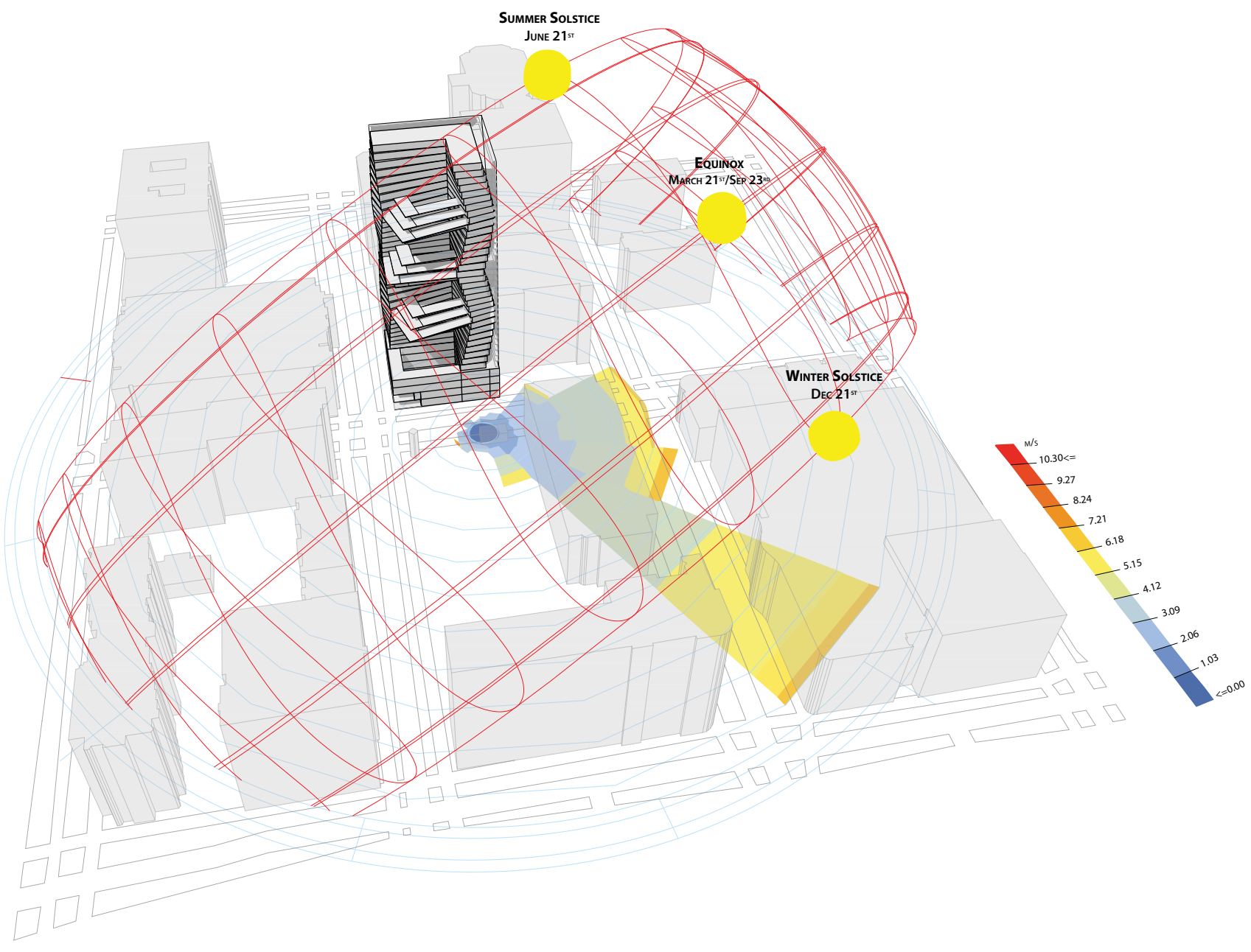


**SUSTAINABILITY DIAGRAM**

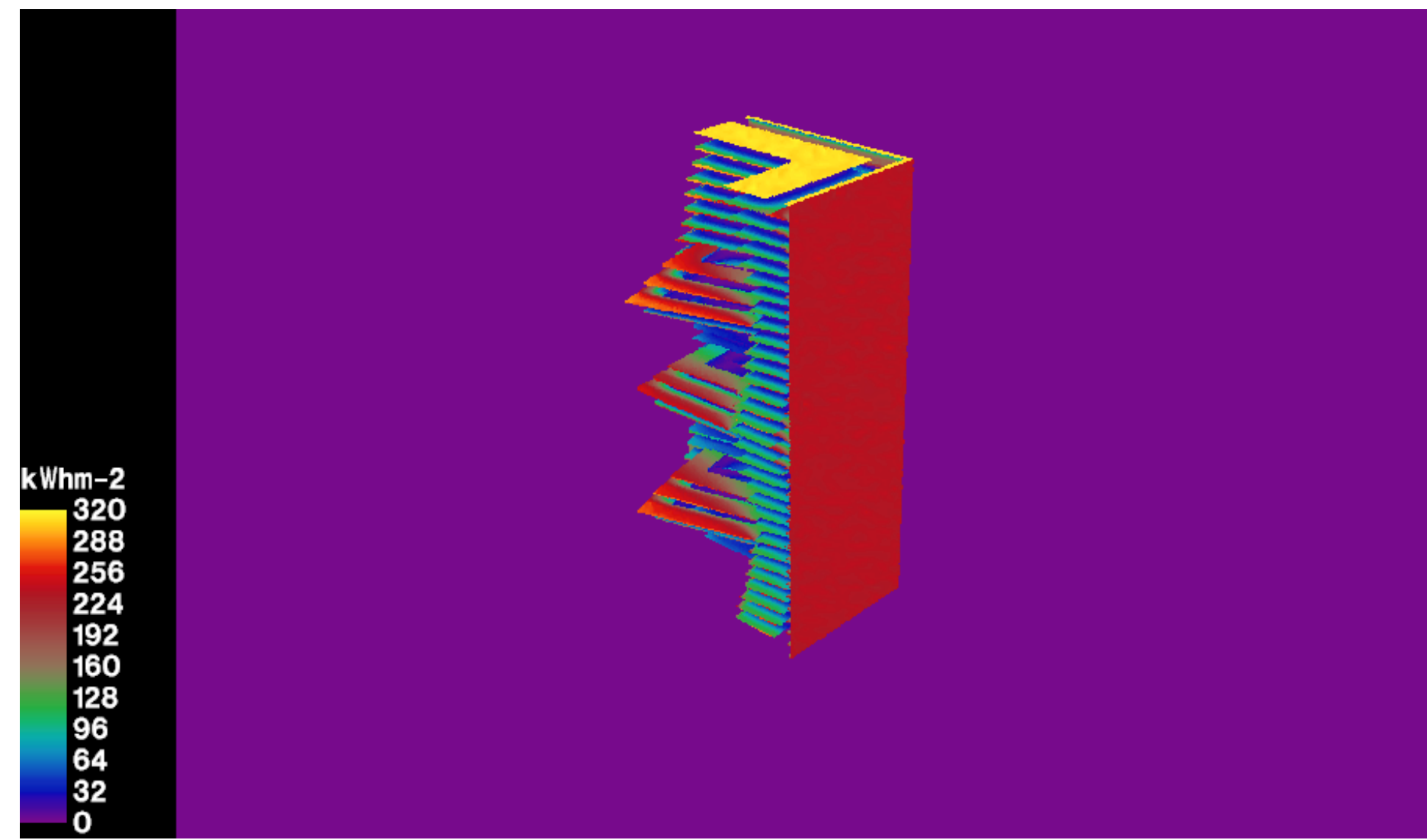
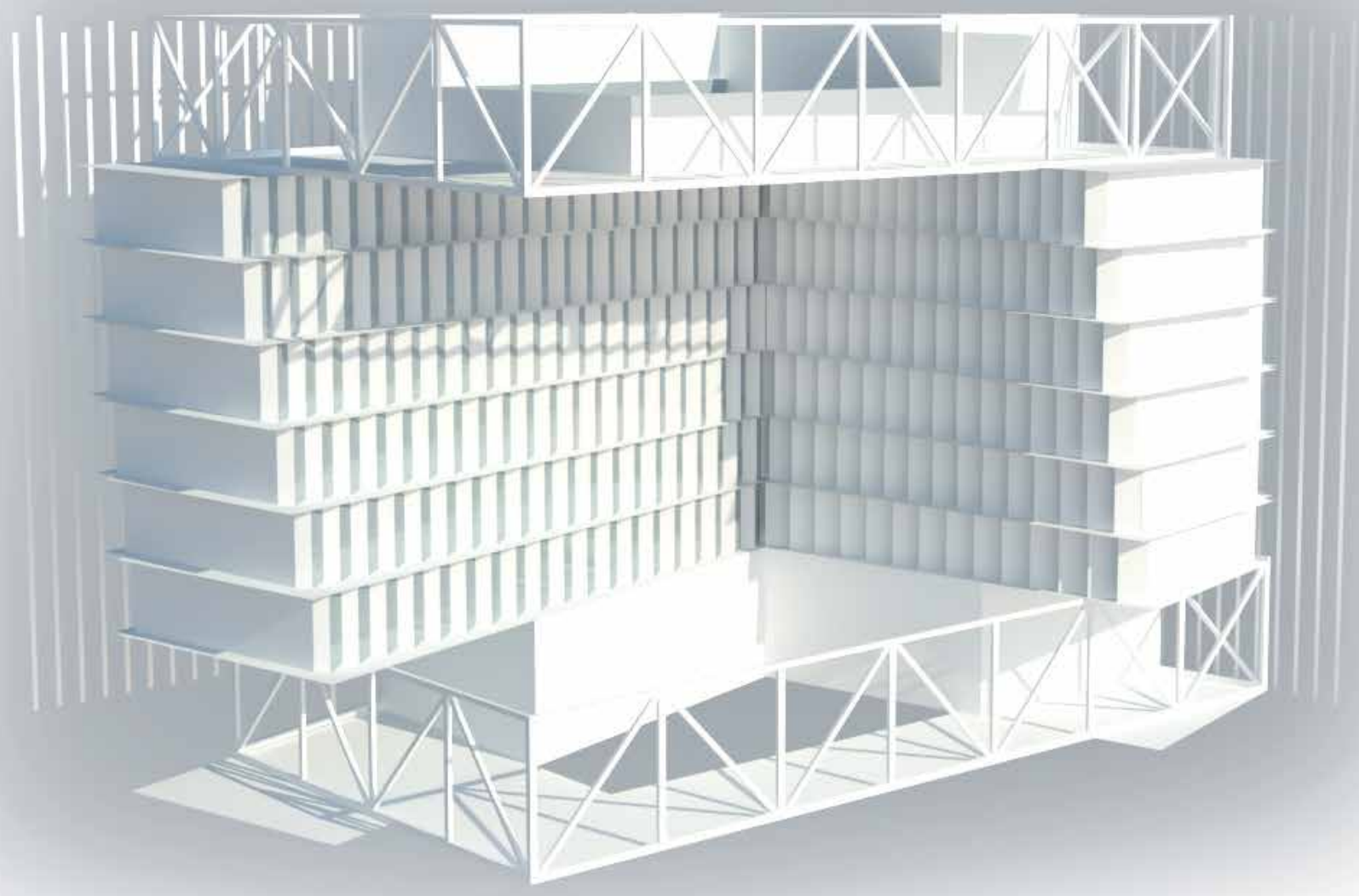


**SECOND SKIN DIAGRAM**



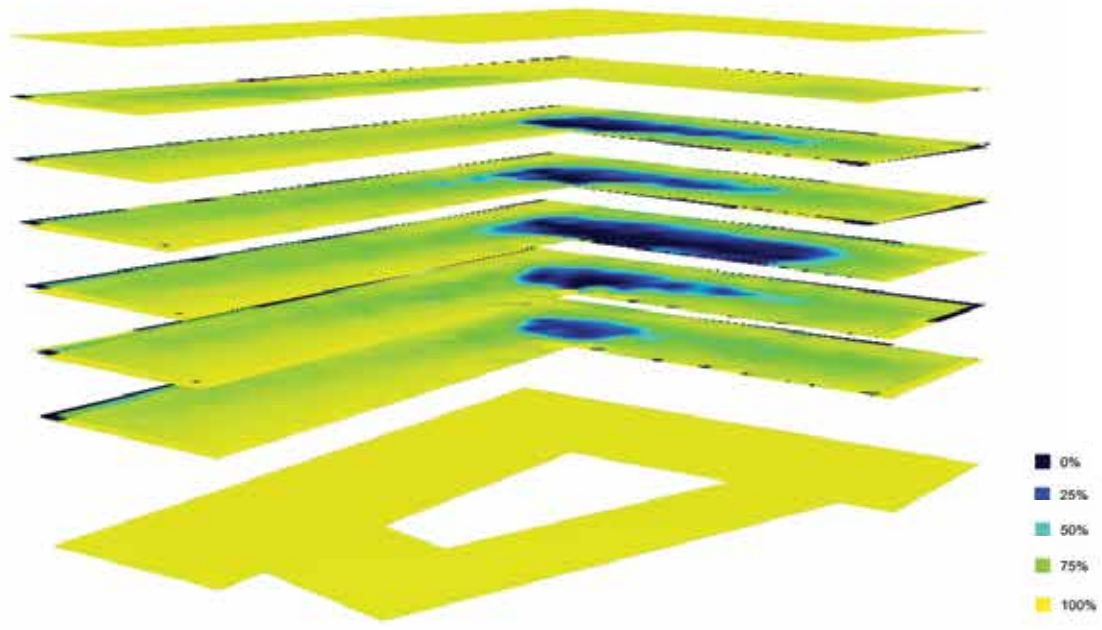


# Sefaira Daylight Analysis

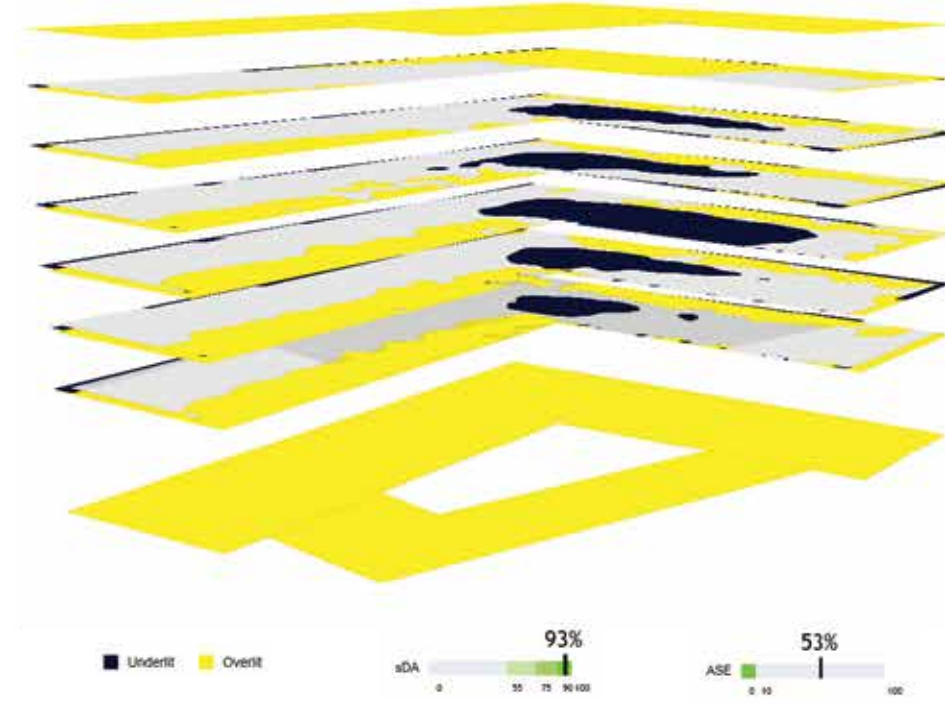


RADIATION ANALYSIS

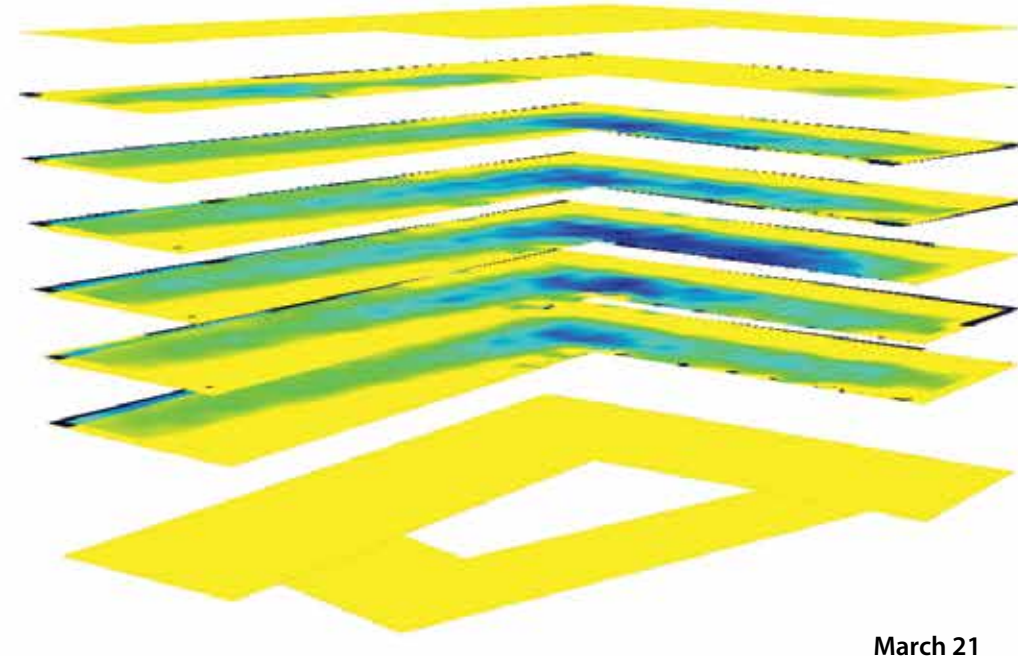
Annual Illuminance of at least 28 FC



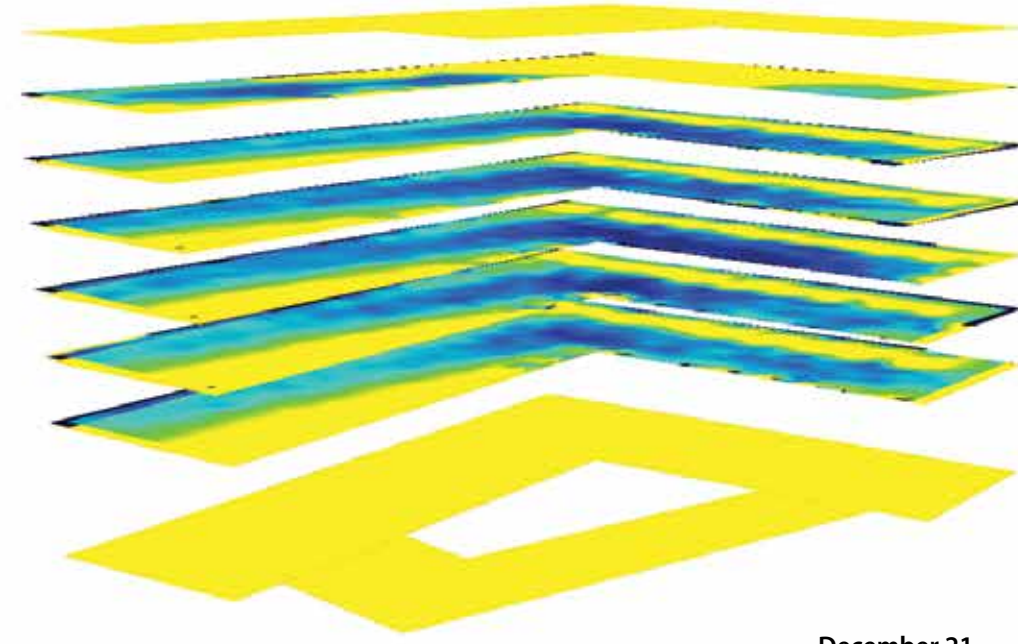
Overlit - Underlit Spaces



Footcandle Levels at 9 am at 2.79 feet from floor

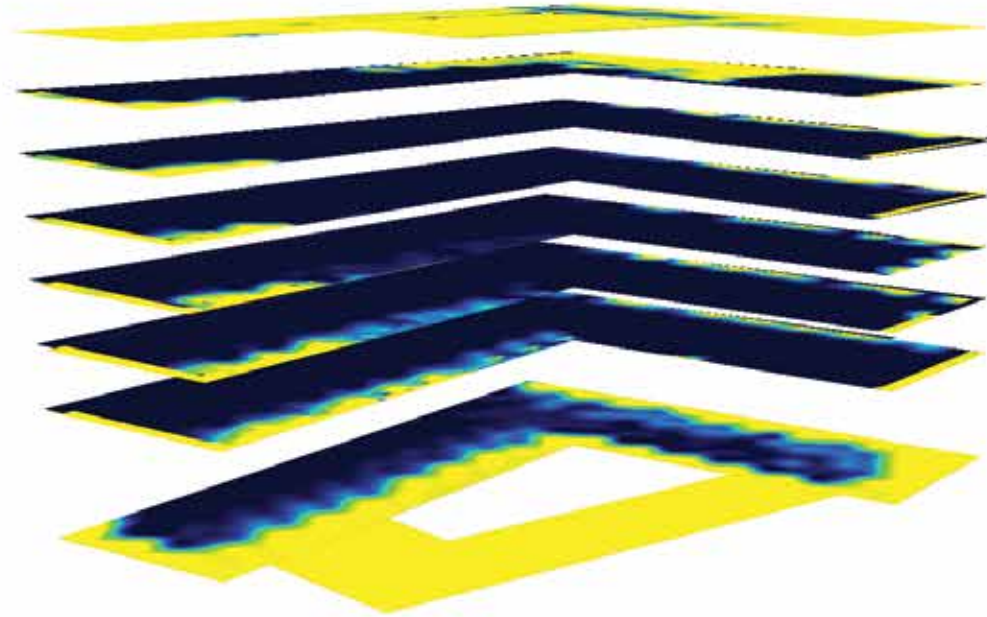


March 21

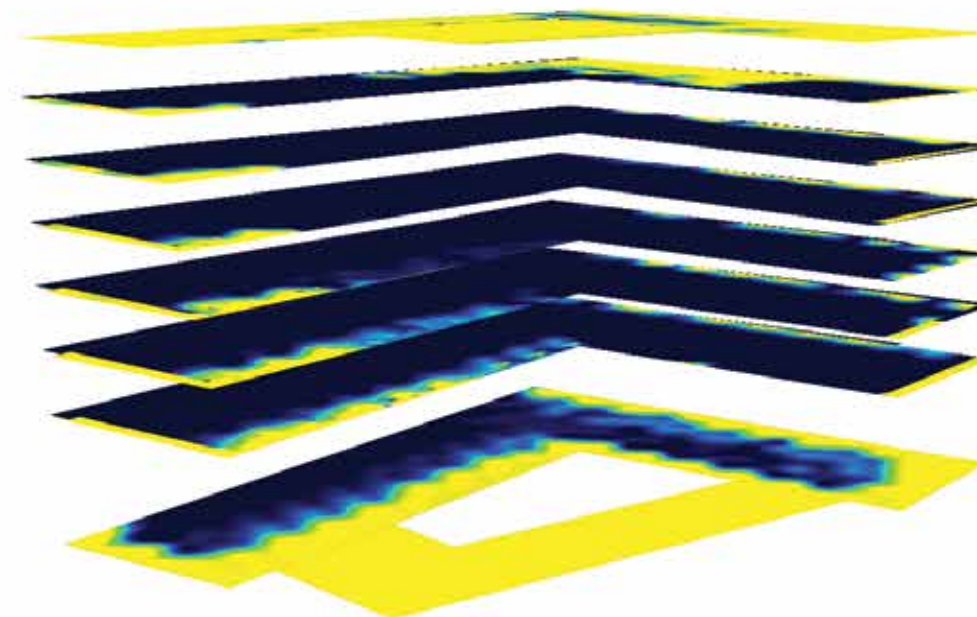


December 21

Percent of Direct Sunlight for more that 3 hours within spaces (between 9 am and 3 pm)



Summer (June to September)



Winter (October to May)



## TOWARDS A CARBON NEUTRAL DESIGN

EUI: 7 KBTU

CUI: 2.8 LBS CO2E/SF-YR

