




Timeless Connections

Genova, Italia

Bryan Alfonso
Shannon Bishop

An aerial photograph of a city square, likely Piazza Dante in Genoa. The square is paved with light-colored stone and features a large, dark, rectangular structure, possibly a fountain or a large planter, in the center. The surrounding area is filled with buildings, trees, and a mix of green spaces. The image is slightly blurred, giving it a sense of movement or a wide-angle shot.

Piazza Dante will be improved with an engaging multi-purpose space that ties into Genoa's culture of walkable urban spaces. Genoa is a city of stone walkways and narrow allies that lies between the water and the mountains. The connection between the people and their sources of food is one of primal importance and highest cultural values. A open food court is one method for exposing/celebrating regional food culture. Piazza Dante will be improved with an engaging multi-purpose space that ties into Genoa's culture of walkable urban spaces and vibrant food culture. Humans have an innate instinct to be connected to nature. This psychosocial mannerism is what drove the addition of green roofs and planters into the project. People may choose to sight-see from these areas, enjoy a picnic, or engage with others. They can serve as an escape from the productive and busy ground level and surrounding streets.

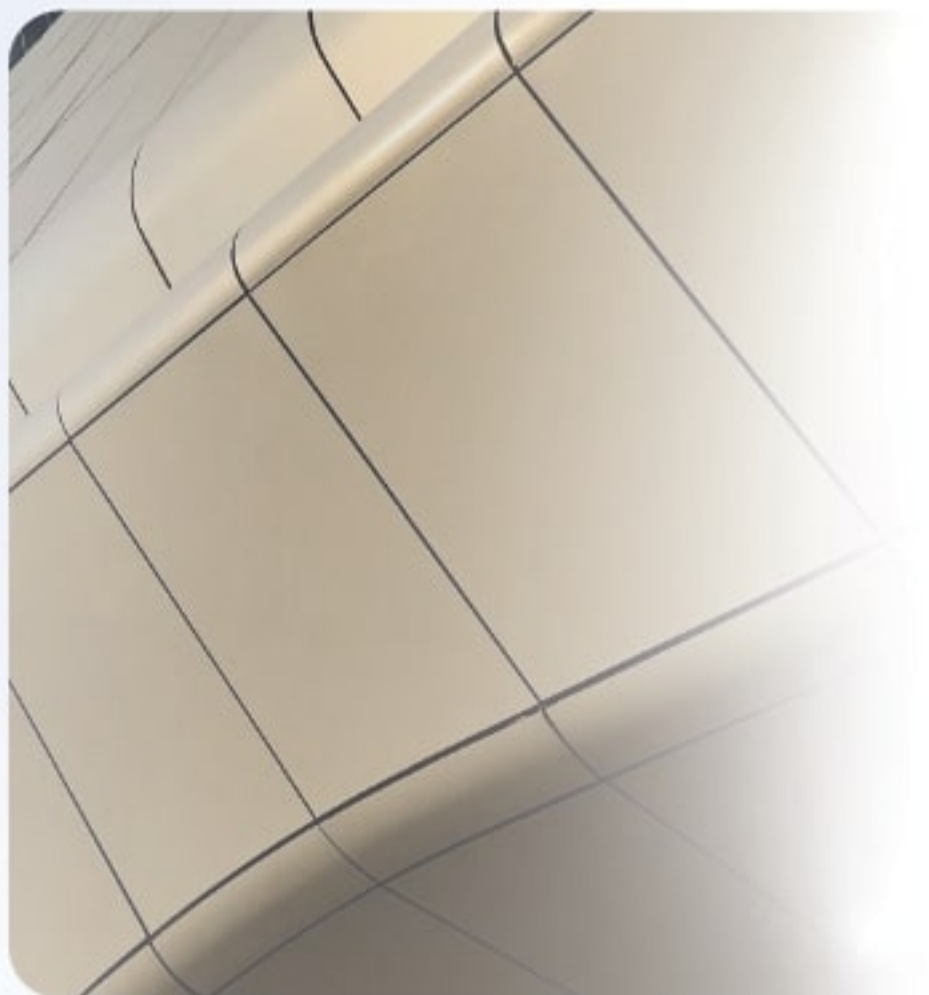
CityLife_Shopping District

_Zaha Hadid
_Bryan Alfonso

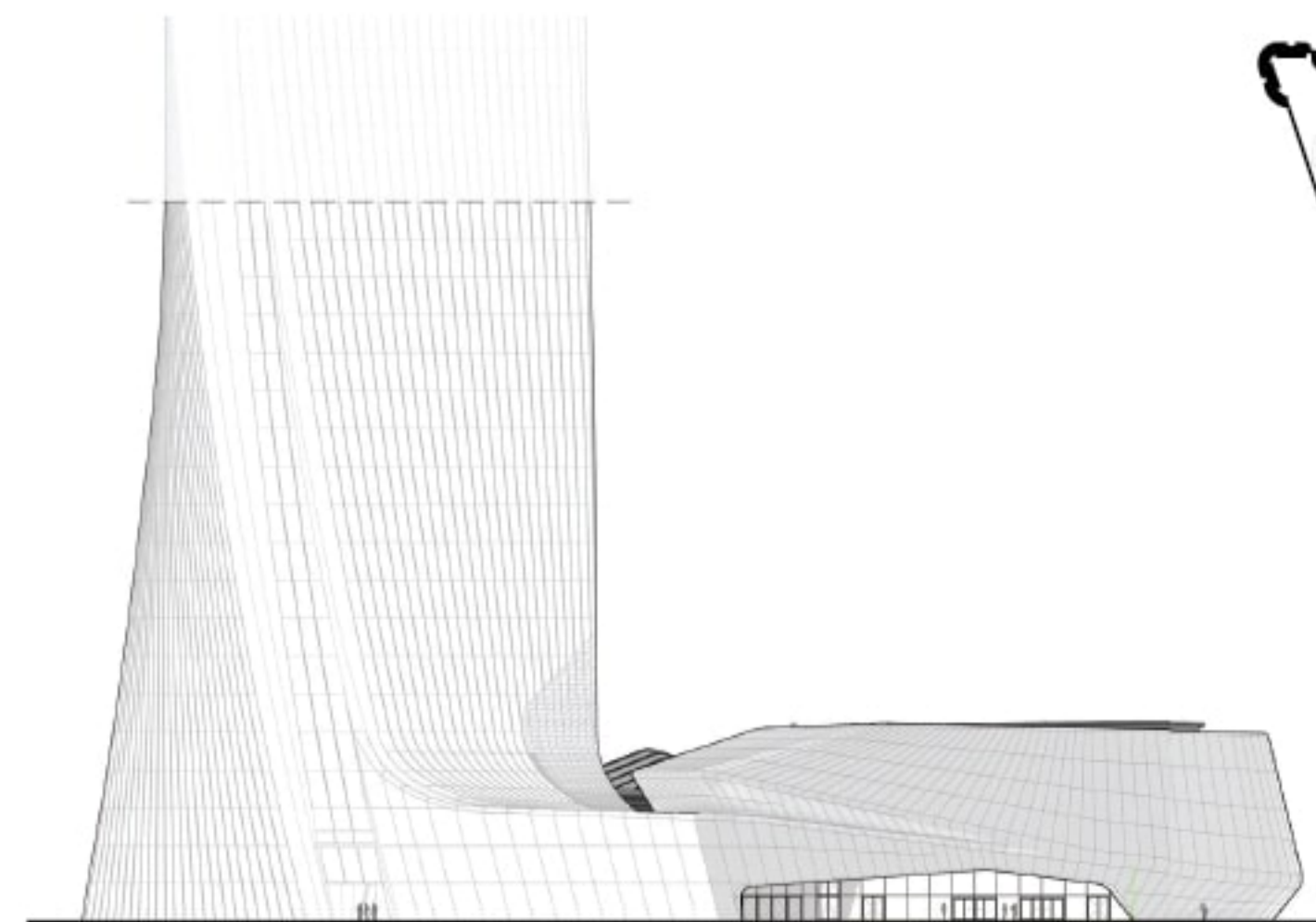
This Shopping District is one part of Milano's largest redevelopment project. It contains several amenities, which are integrated with a public park and are located above the Tre Torri station of the M5 metro transit line. The forms are created by three axes that penetrate the entire City Life District and are carried upward through the twisting tower which slowly orientates each floor as you go higher to face il Duomo. The exterior is composed of a regular glass system and an irregular metal cladding system which scale itself to adjust to the formal geometry. The interior is made mostly from bamboo, chosen for its "warmth and tactility, engineered bamboo is durable and can be produced in large quantities for sustainable sources." This Project was designed and constructed to reduce energy consumption and emissions and has received LEED Gold certification from the USGBC.



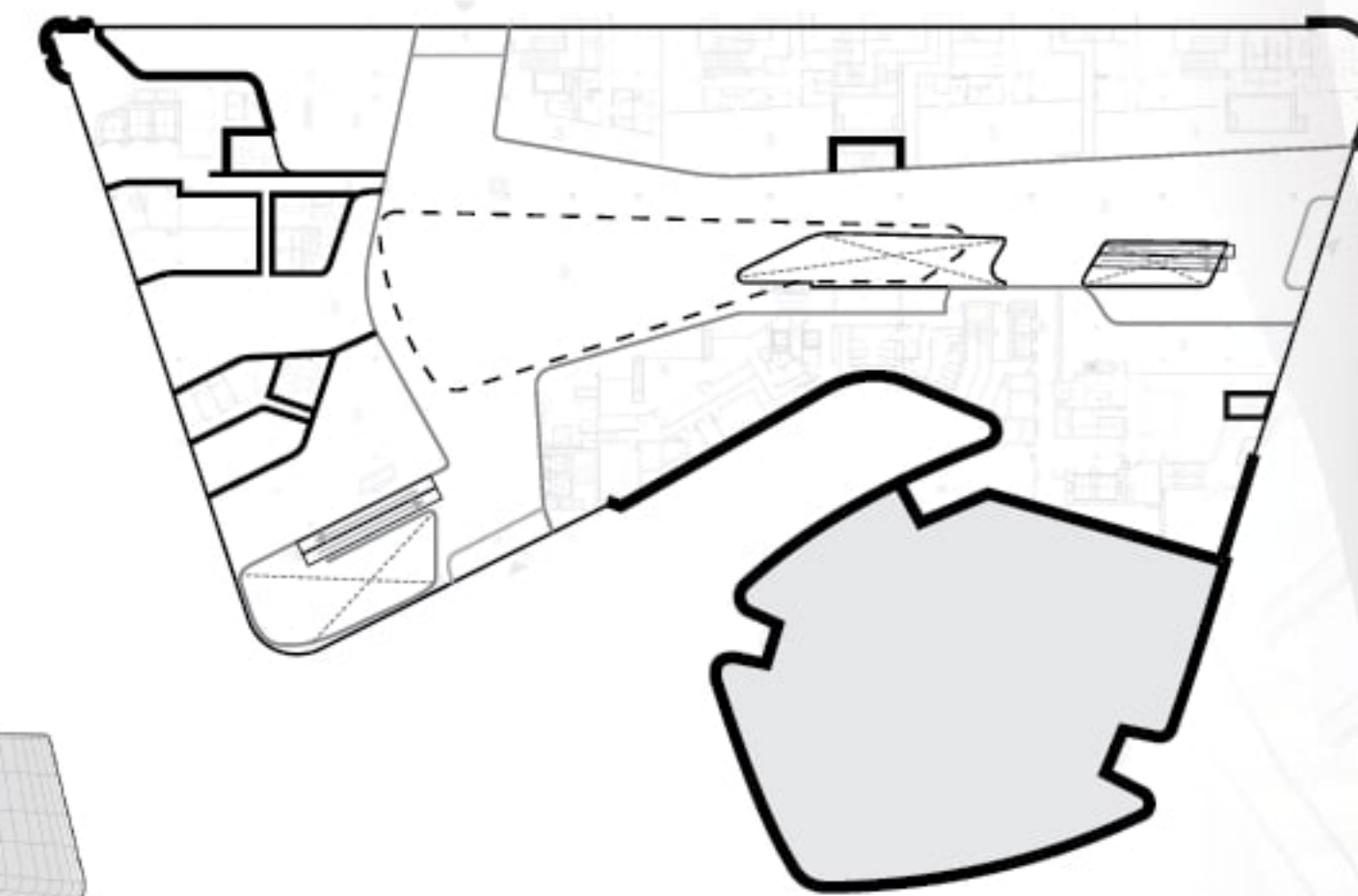
Interior Detail



Exterior Detail

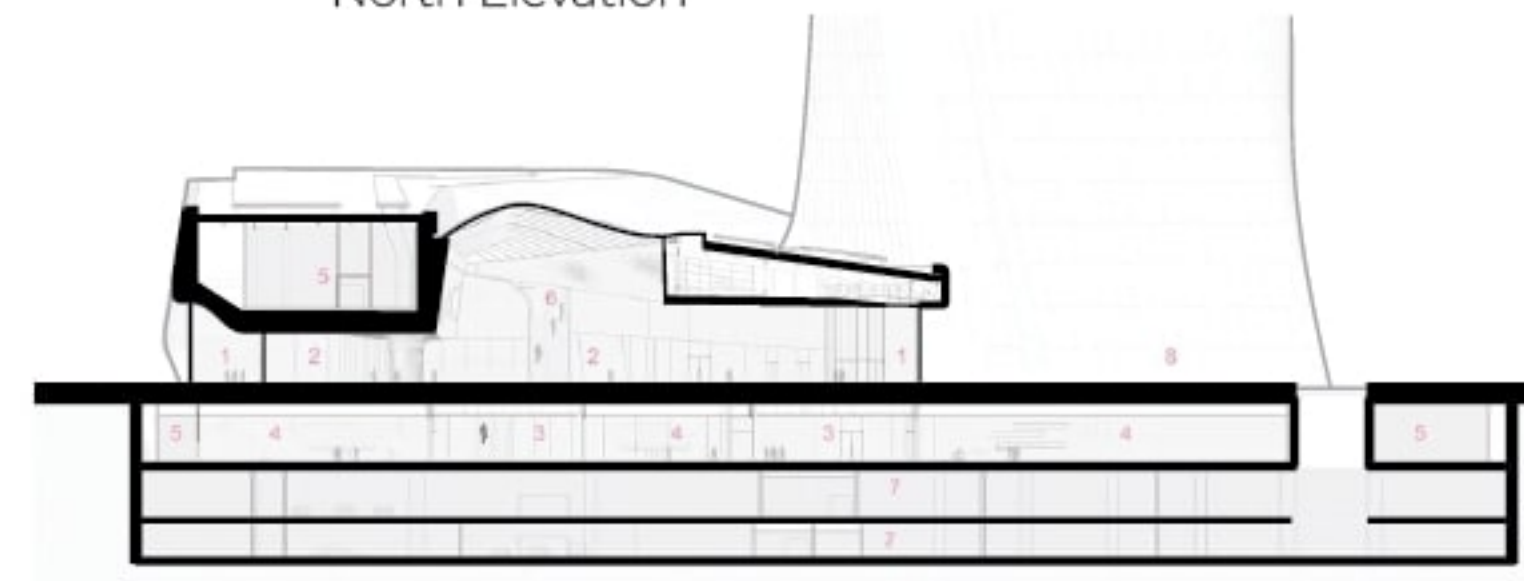
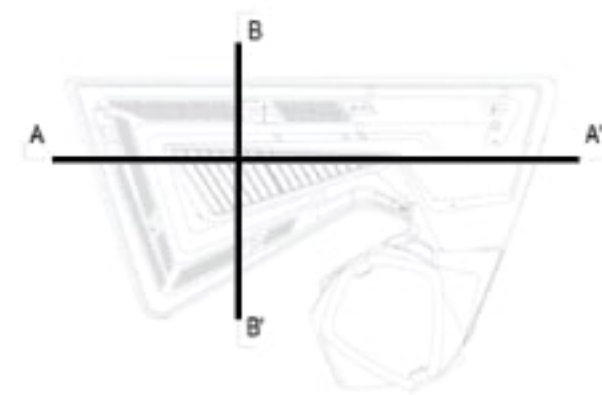


North Elevation



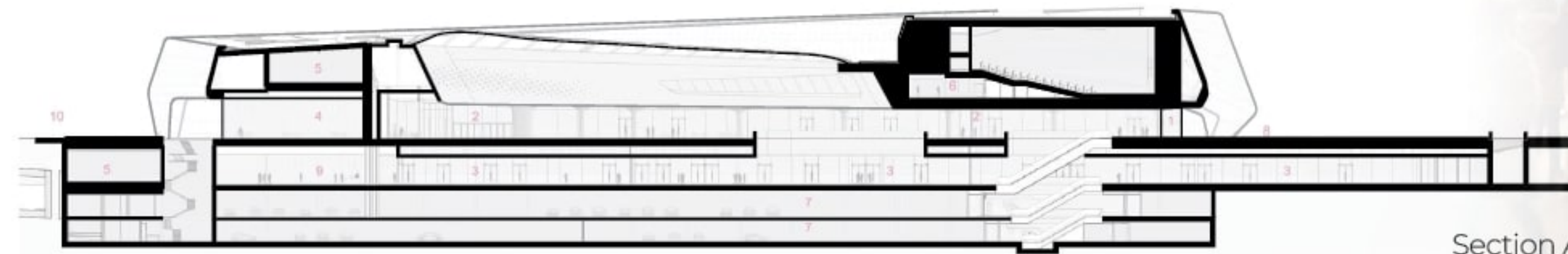
Ground Floor Plan

1 5 10 20 50
Ground Floor
CityLife_Shopping District



Section B

1 5 10 20 50
Section B-B'
CityLife_Shopping District



Section A

1 5 10 20 50
Section A-A'
CityLife_Shopping District



Daniel Libeskind, Michele Nastasi · CityLife Residencies

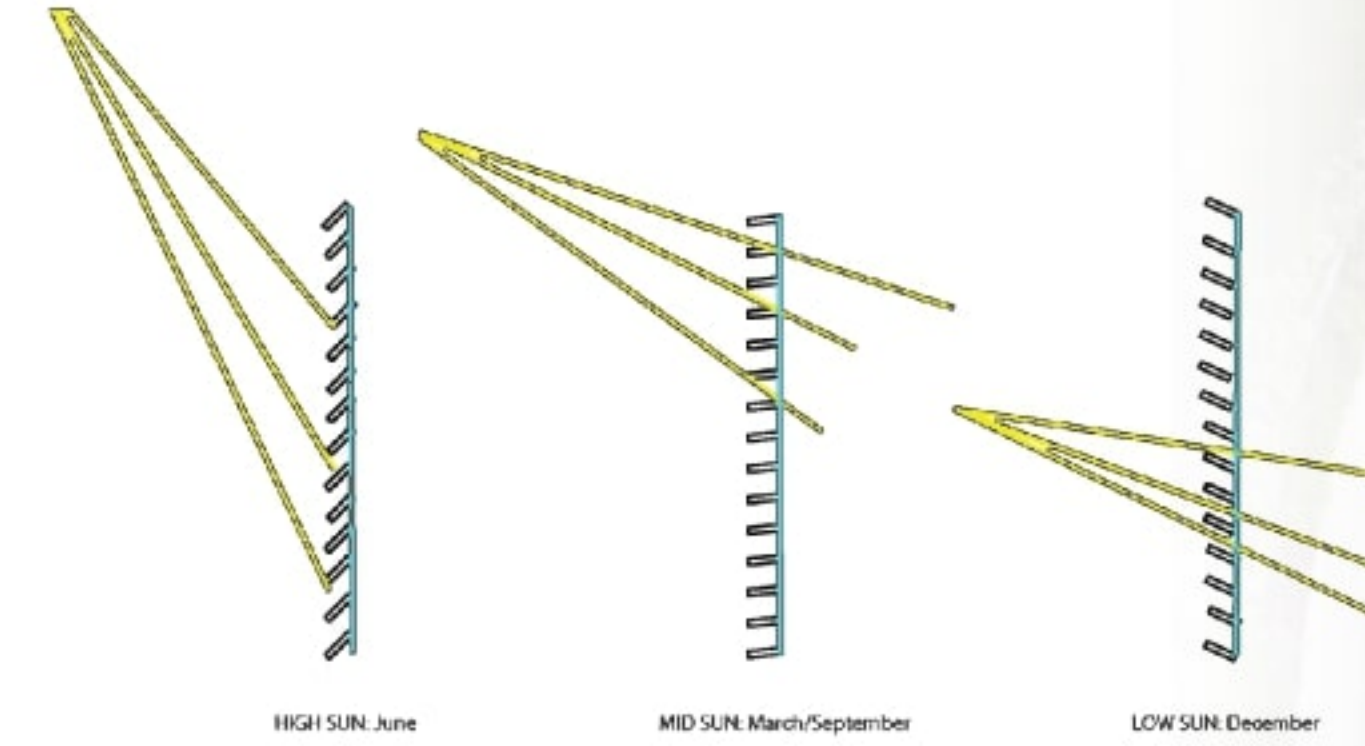
Studio Libeskind -- 2004 -- Milan, Italy



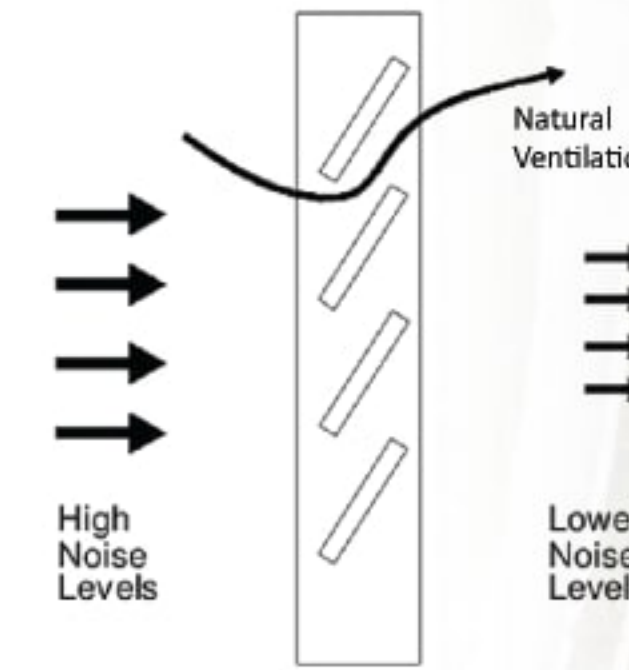
In 2004 Studio Libeskind, in conjunction with Zaha Hadid Architects and Arata Isozaki & Associates, won the competition for a master plan to develop and reconnect the existing city fabric of Milan to an abandoned 61-acre site, formerly home to the Fiera Milano, the city's historic fairgrounds. The Libeskind residences employ the classical courtyard configuration and naturalistic materials of an historic Milanese neighborhood, while presenting an asymmetrical layering of the façade. Each building is topped off by double-height penthouses with generous terraces. Each of these "sky villas" has a completely unique geometry that accentuates the tops of the buildings.



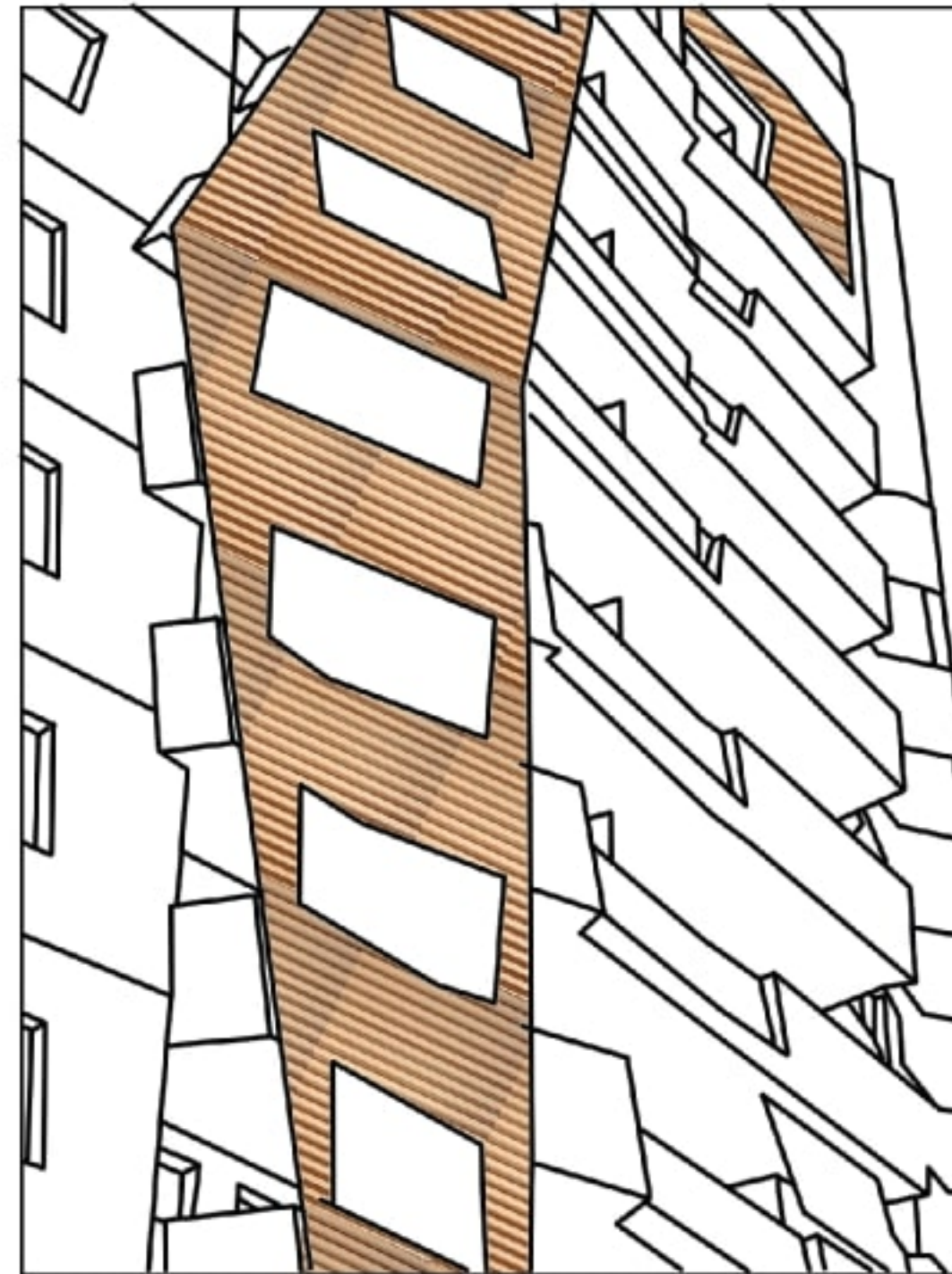
The Residences utilize state-of-the-art design and are certified by the Italian Building Energy Consumption. Sustainable features include, thermally regulated radiant ceilings, high-tech insulation, sustainable tiles, composite wood brise soleils, and photo-voltaic-cells on the roof to generate and store electrical energy, and more.



Brise-soleil is an architectural feature of a building that reduces heat gain within that building by deflecting sunlight. Using this building's sustainable systems as inspiration for our building design in piazza Dante, the main take away that we choose to implement is the use of these louvers to reduce heat gain and regulate air flow on balconies and the building's surface.

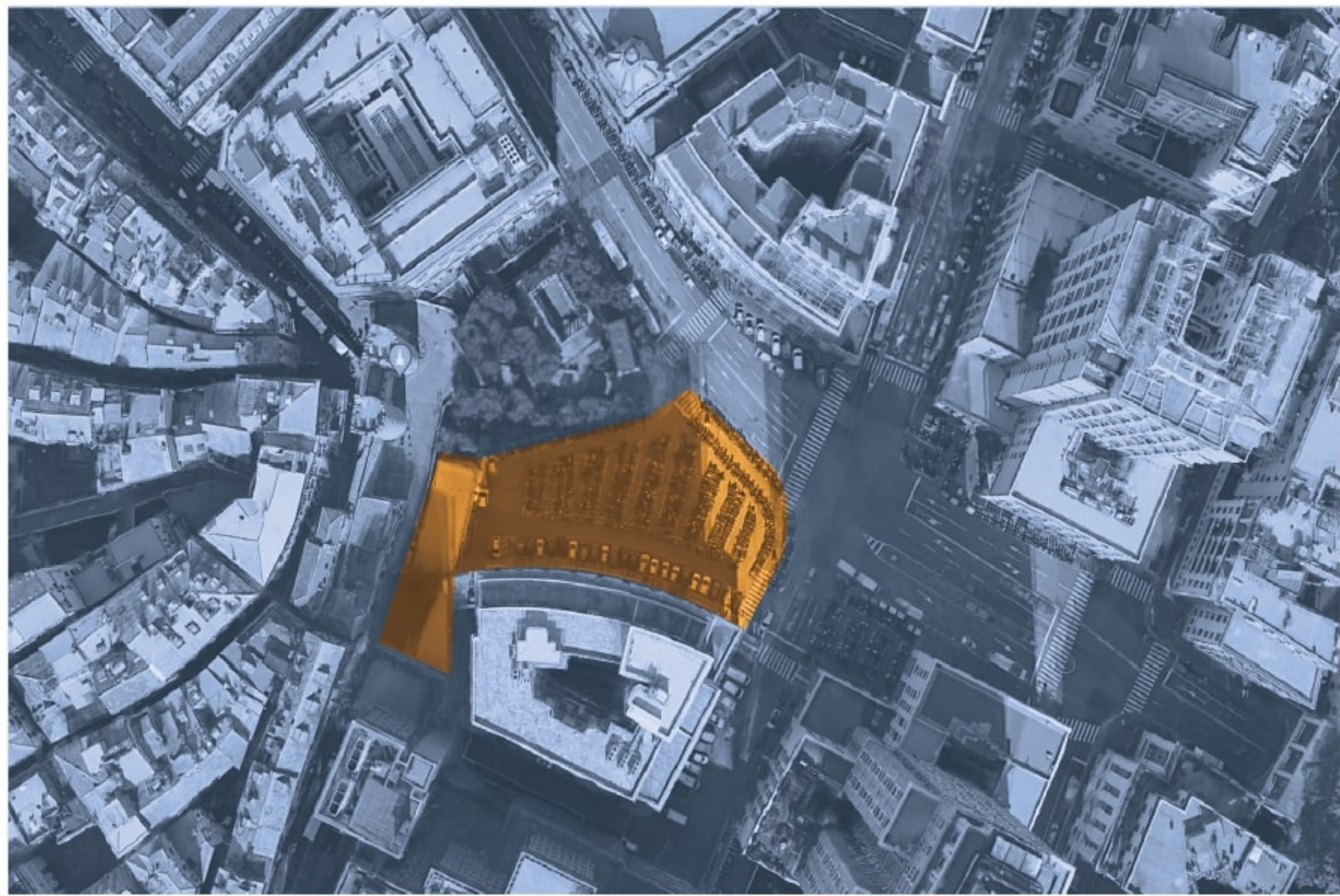


Our design will use these louvers as a contrast with materiality on the building as well as a natural host for flowering vines to grow as complimentary natural beauty to enhance the look of the project.

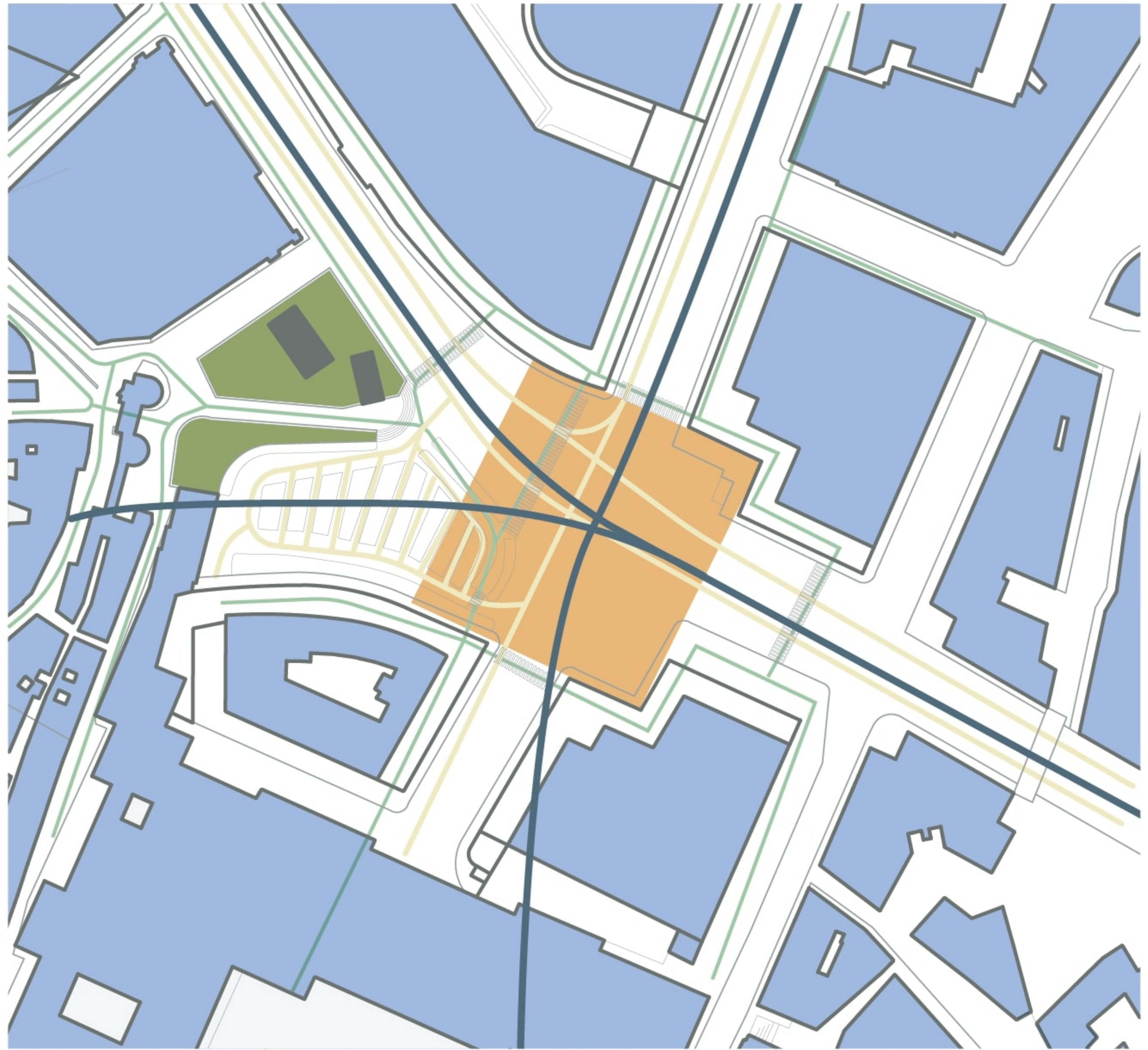




Greater Site, Geova, Italia



Zoomed in site plus context ■ Site Boundries



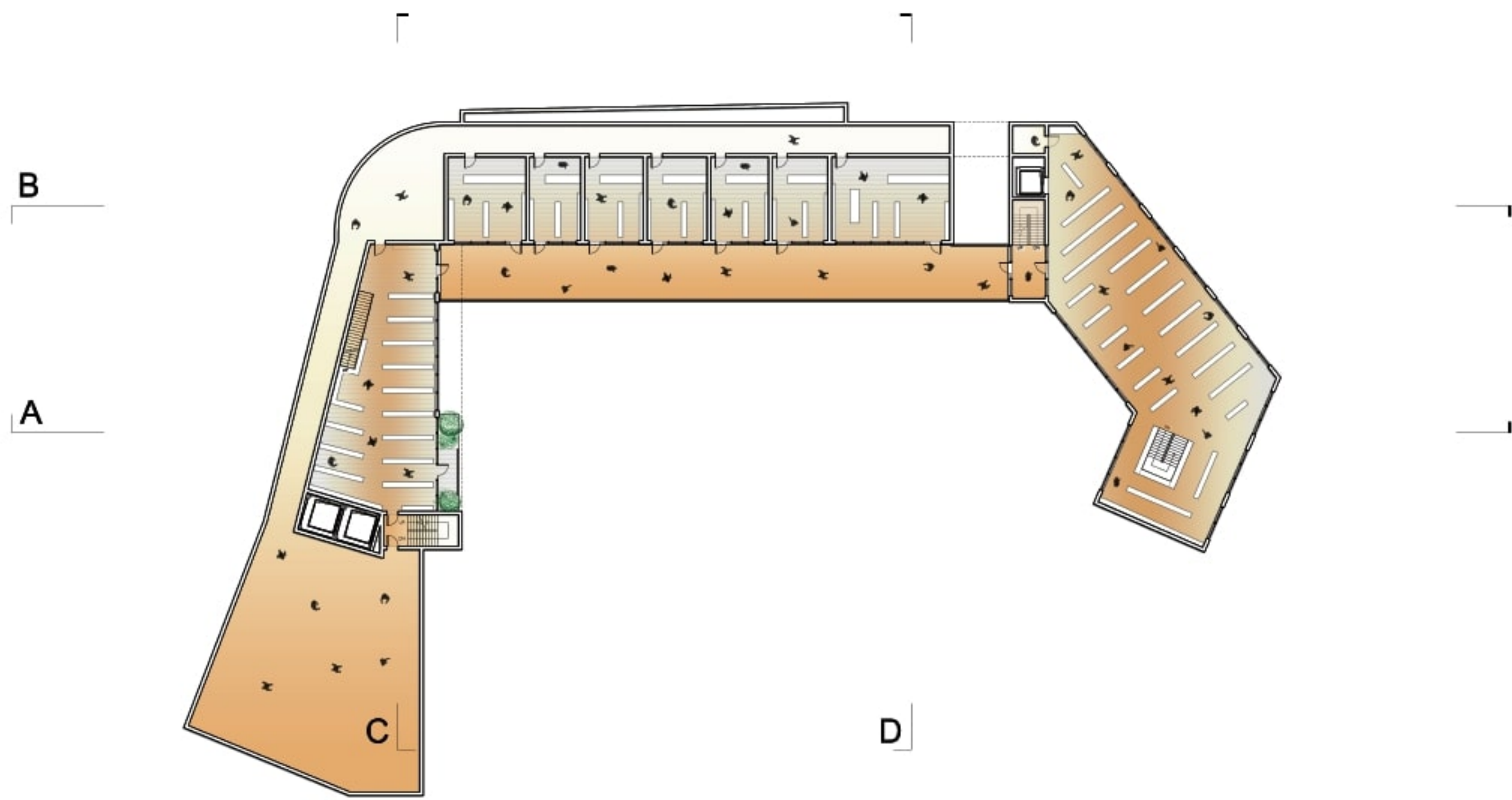
Site Scheme and Existing Circulation ■ Pedestrian ■ Motorbikes/Cars ■ Major Axis



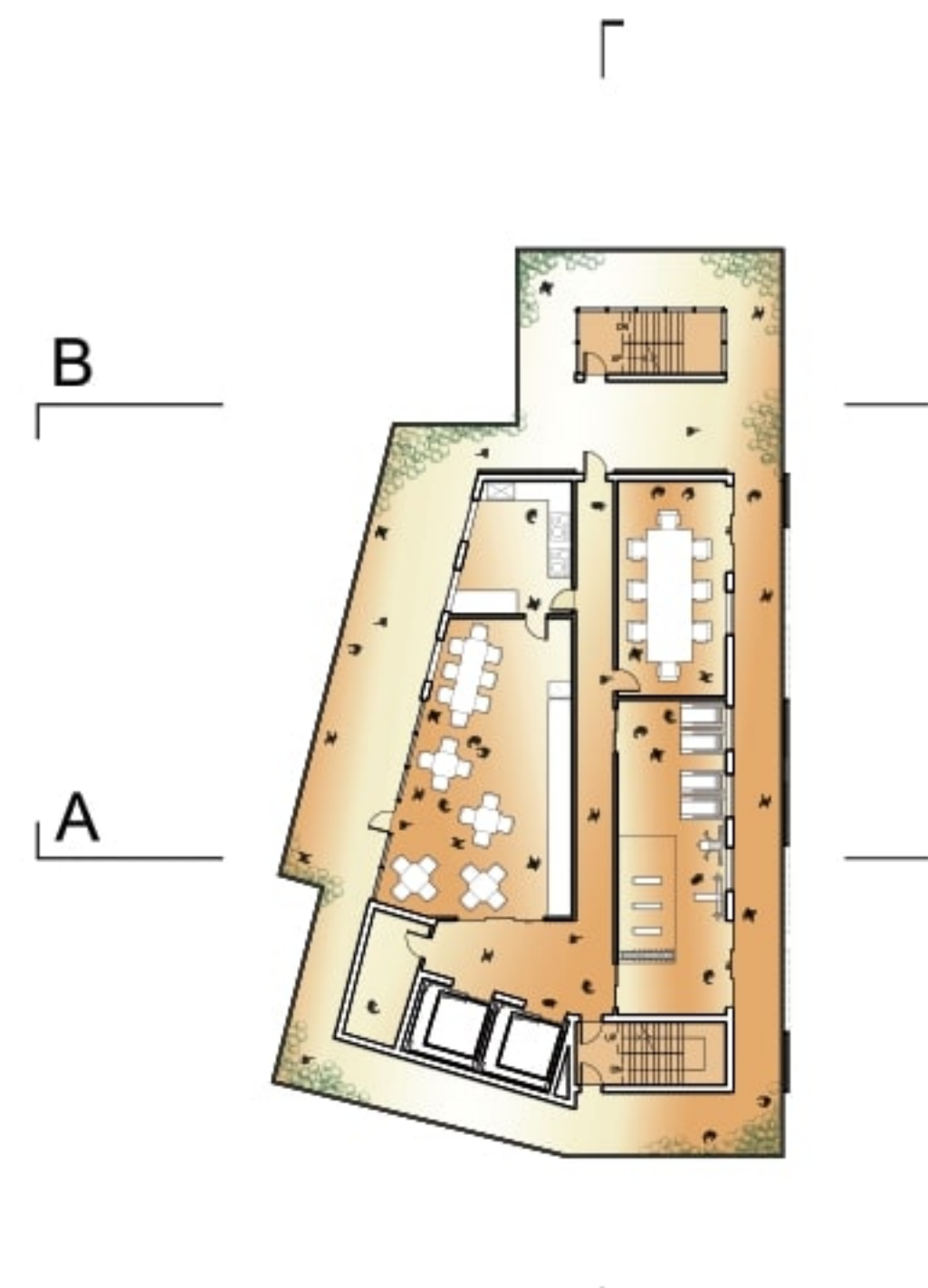
Developed between mountains and the sea this city center struggles to preserve its history and developing new projects. This struggle can be seen in an aerial of the city with the historic center (left) devoid of any green space. Public green spaces start to populate the cityscape once you leave this historic perimeter. In attempting to increase the availability of green space to the public near the city center we propose the expansion of Piazza Dante's current inaccessible green Space.







Level 2



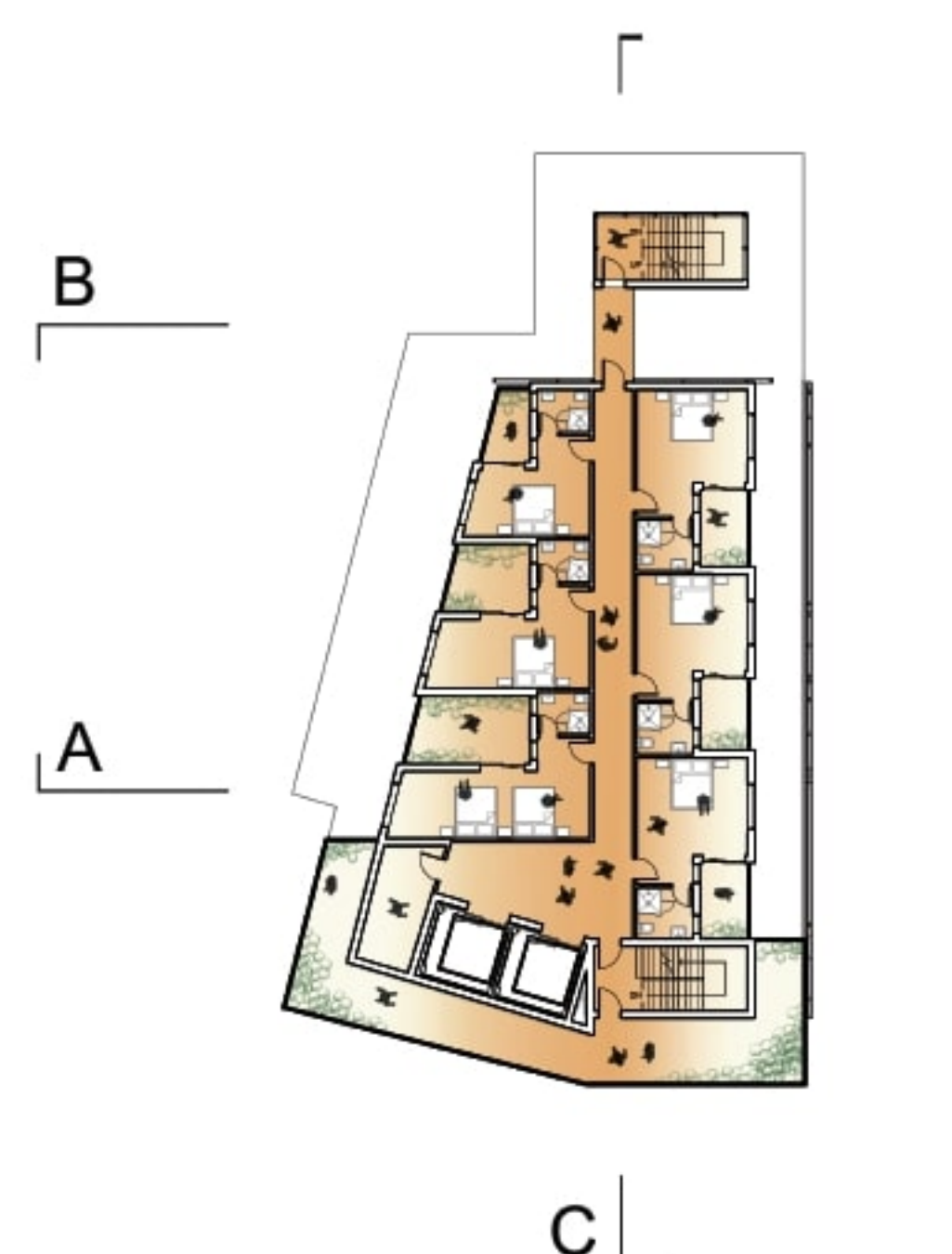
Level 4



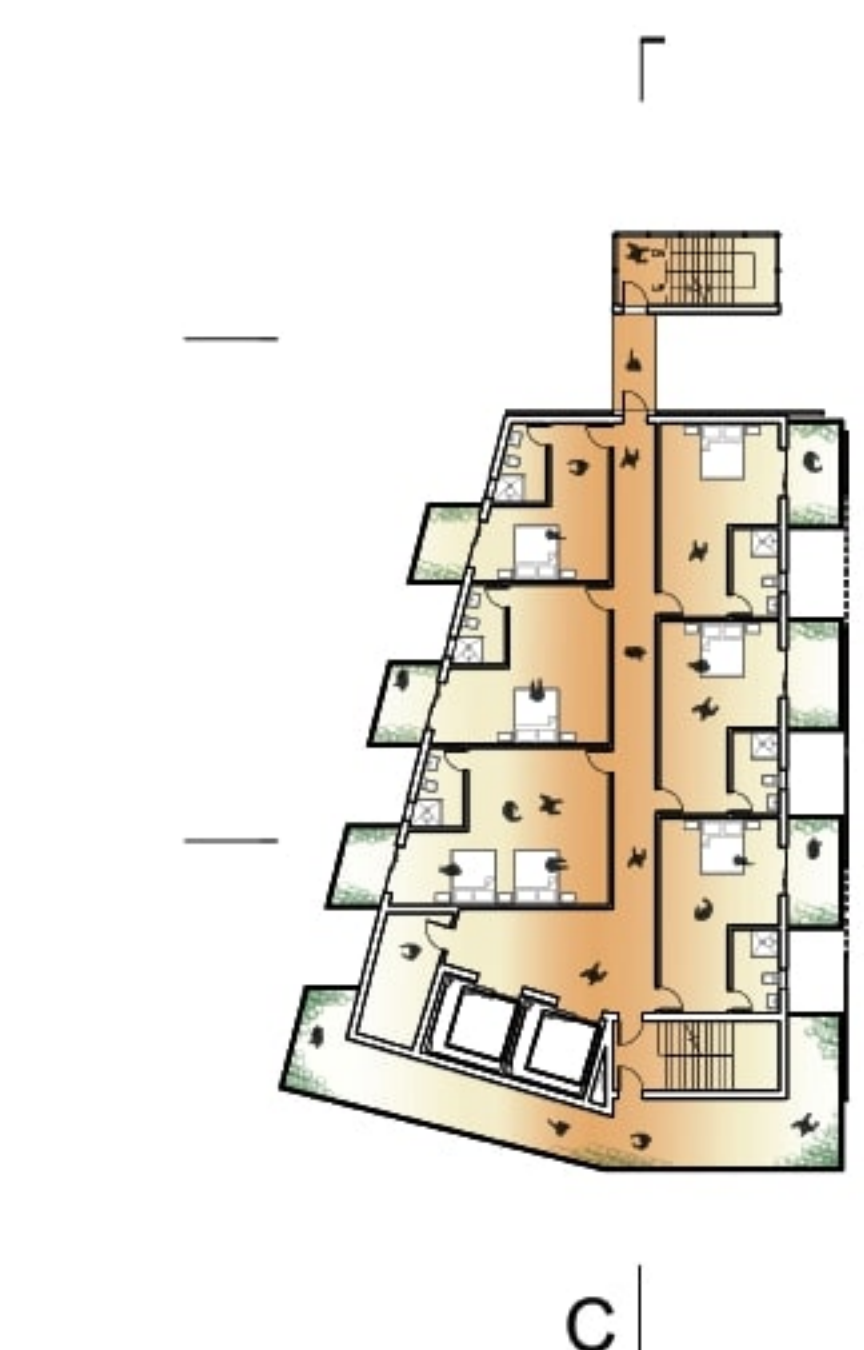
Room Detail



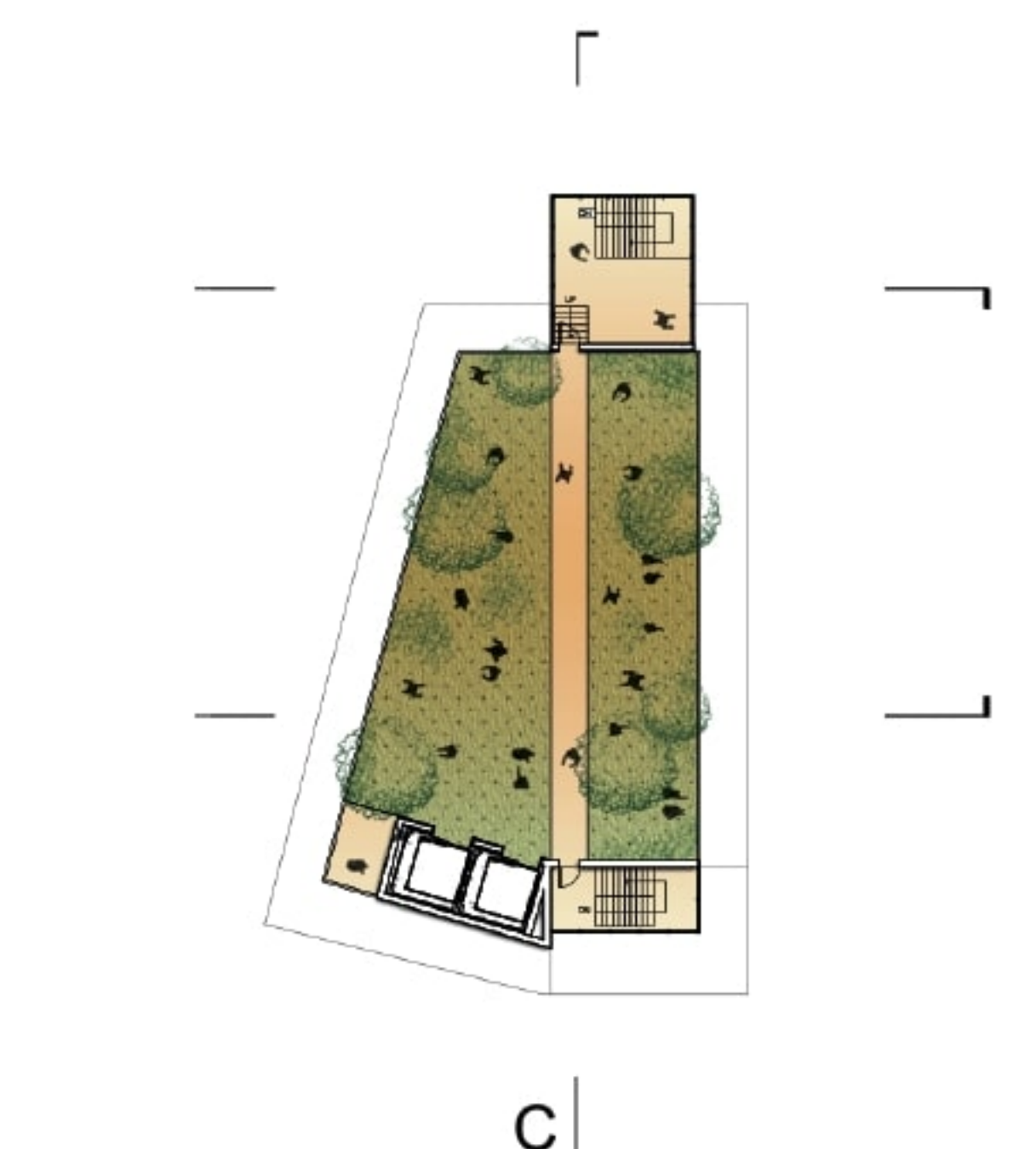
Level 3



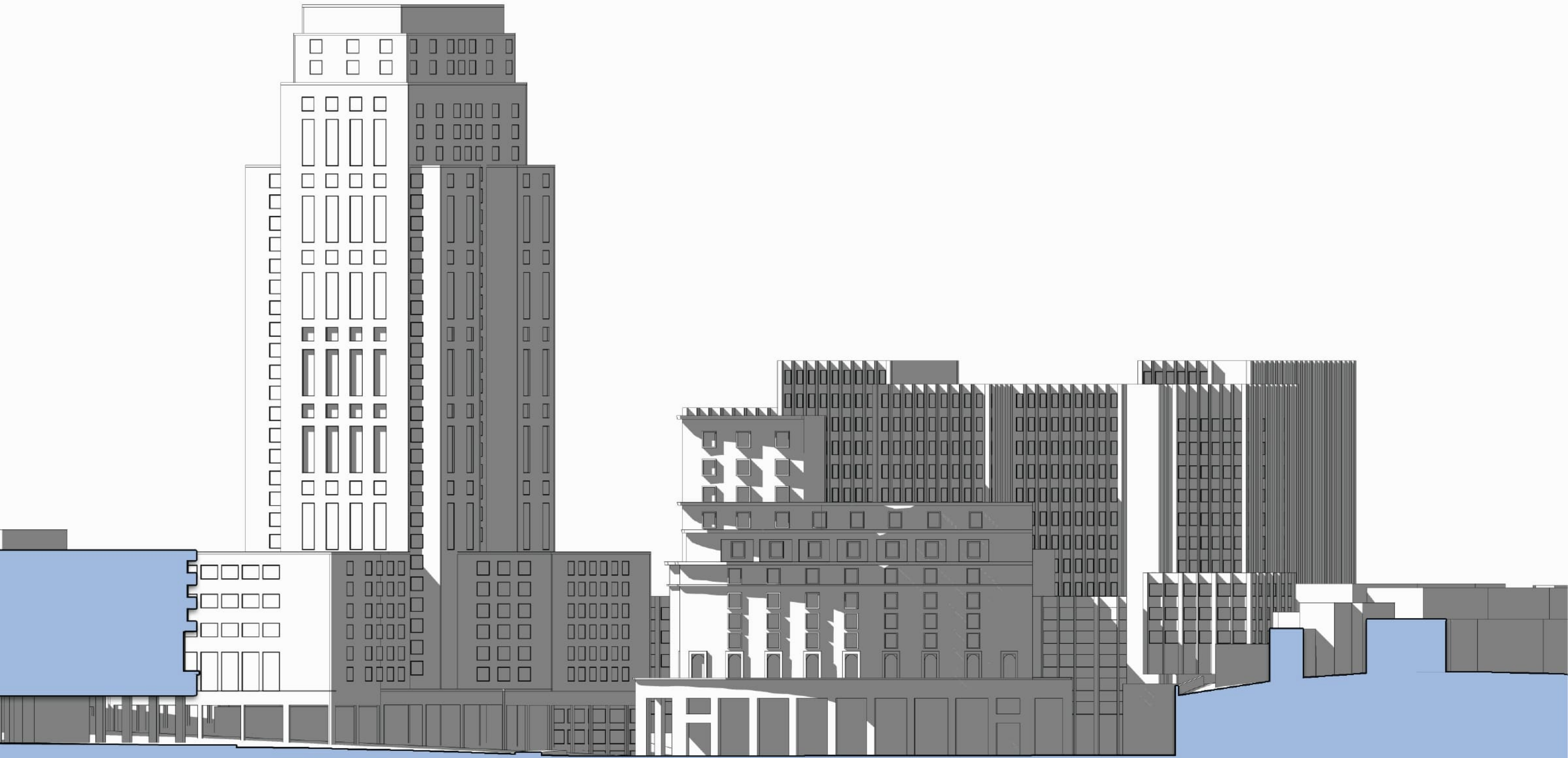
Level 5



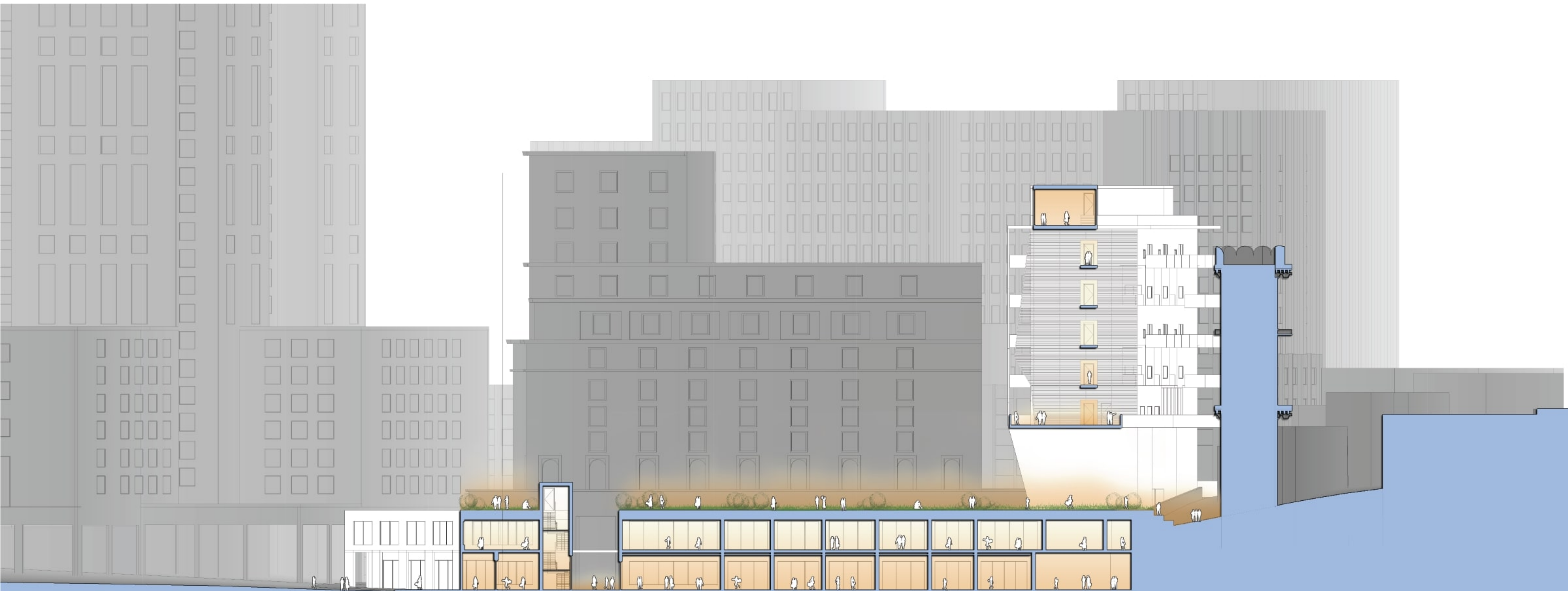
Level 6



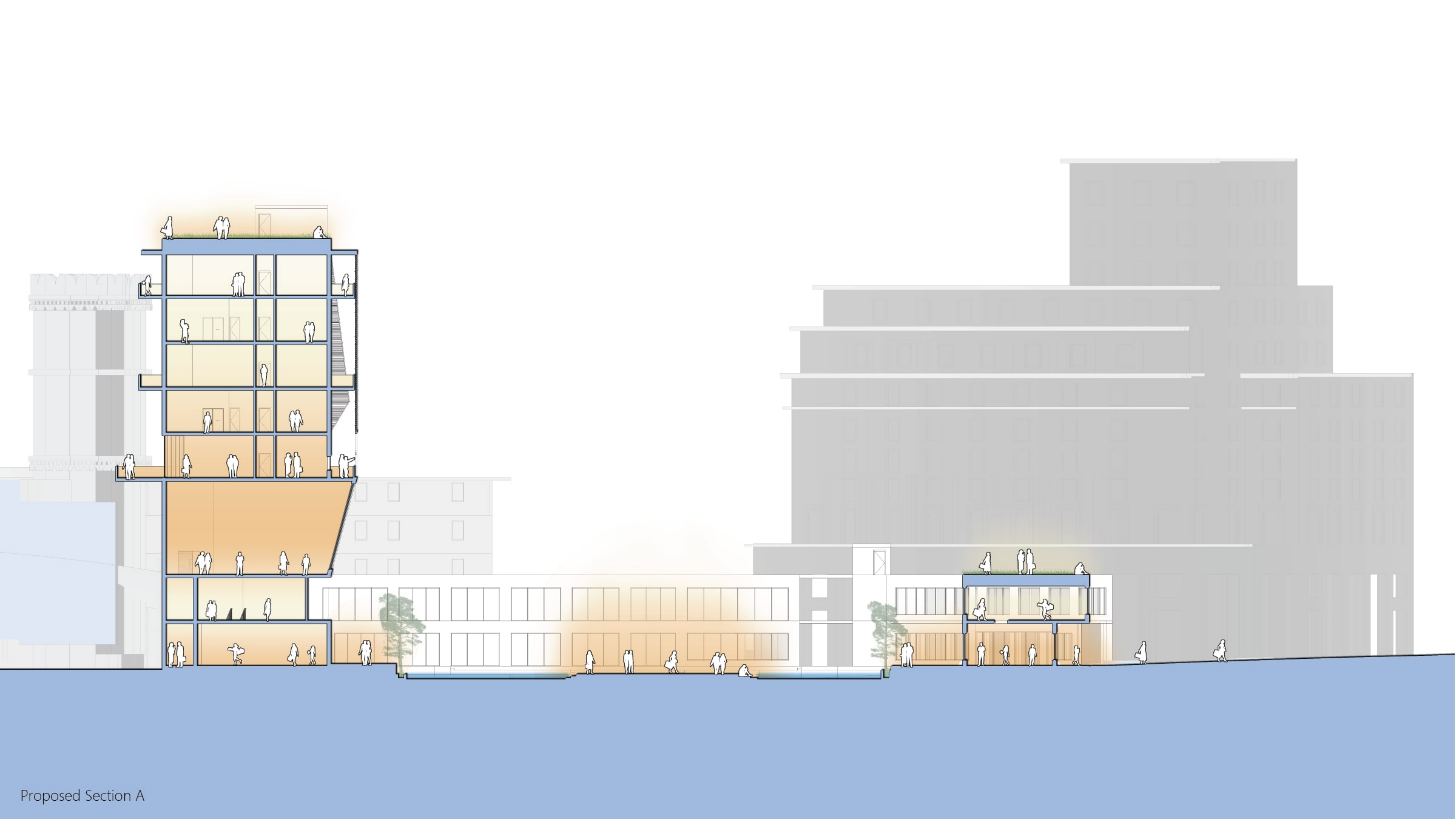
Level 9



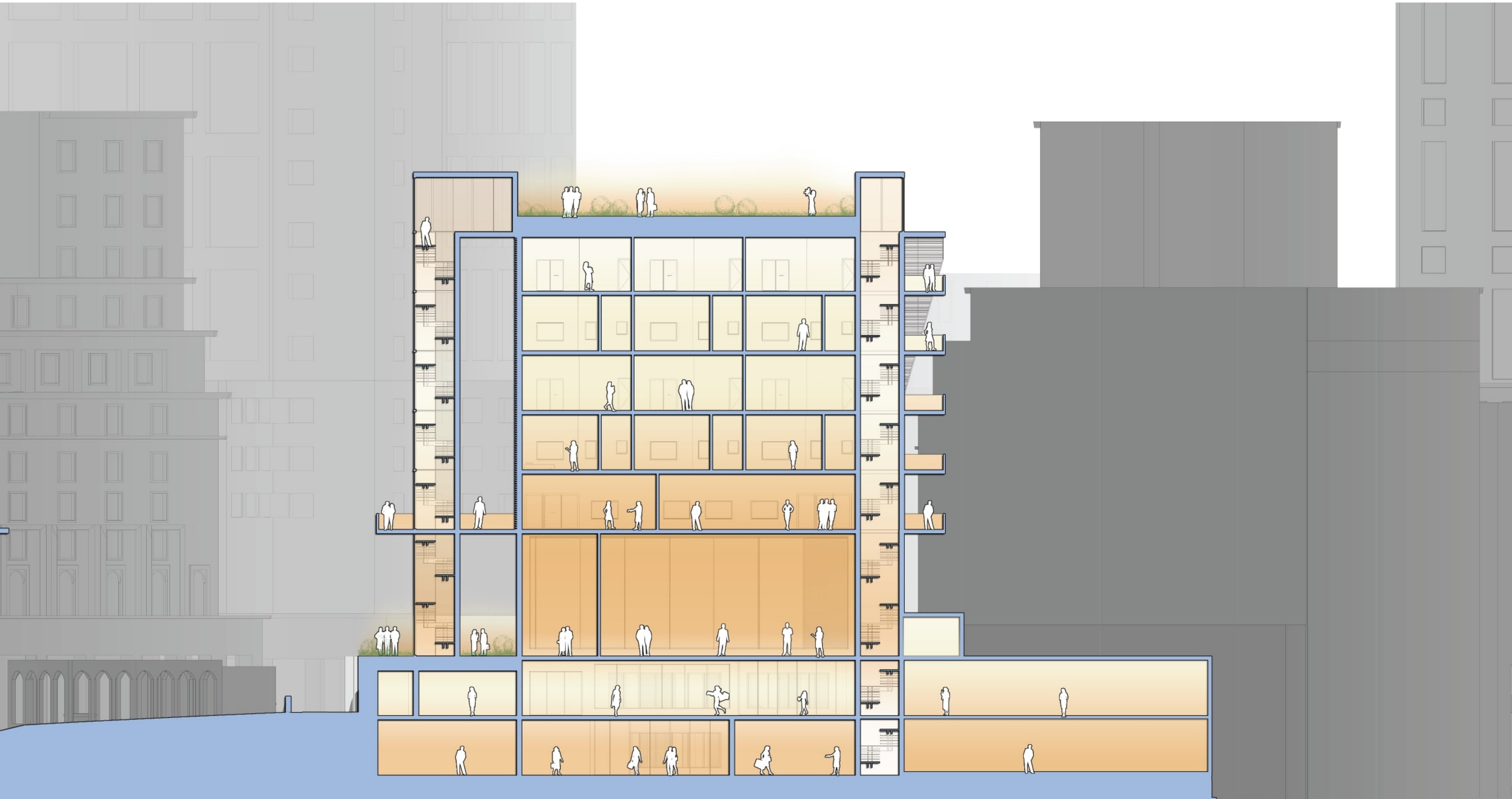
Pre-Existing Site Section



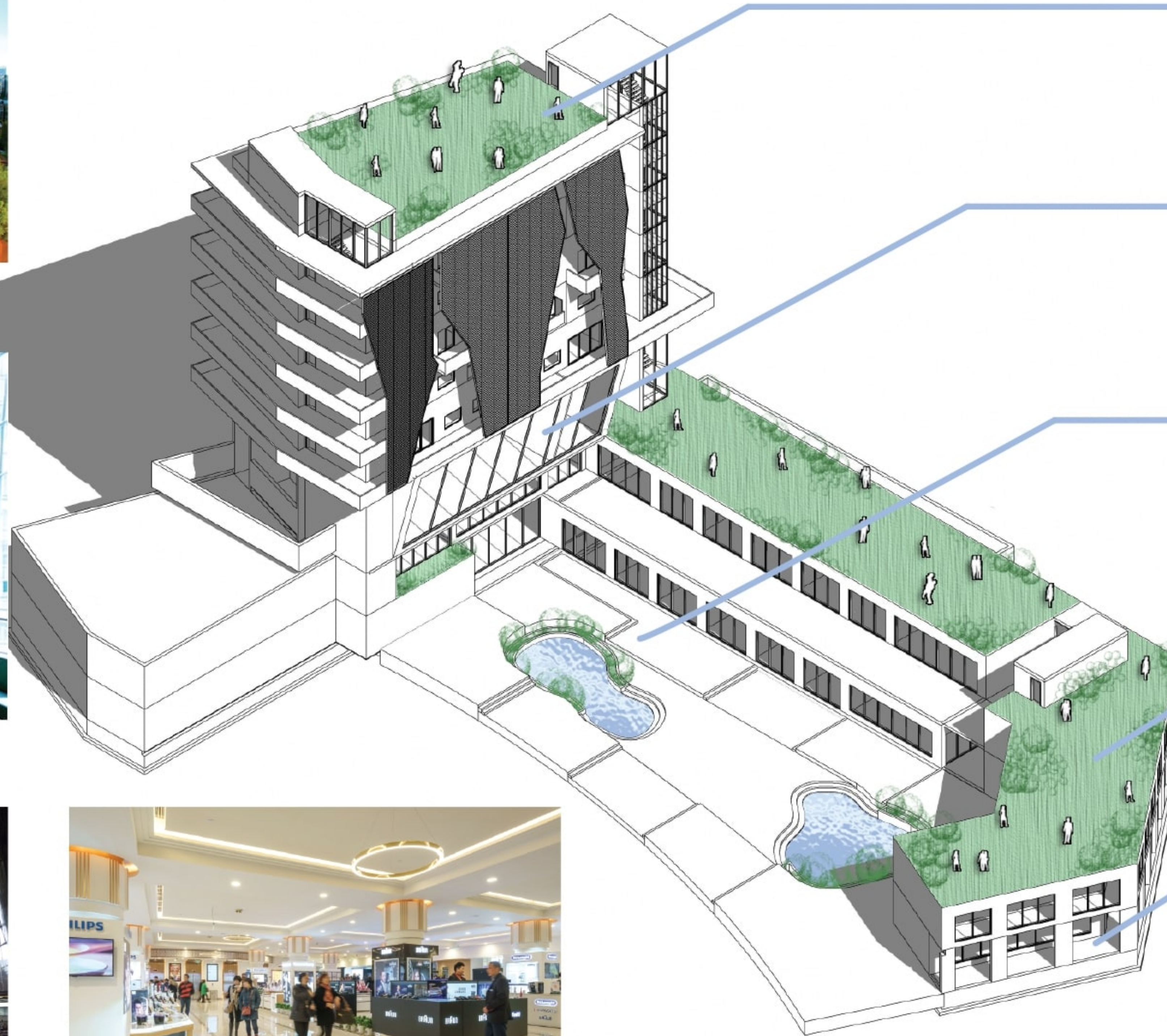
Proposed Section B



Proposed Section A



Proposed Section C



Rooftop Garden

Accessible only to hotel guest, with great view of both the historic and newer parts of the city.

Hotel Lobby

Accessible through the 3rd level, this location provides a stunning view over the new piazza, while also allowing direct access through the elevators that take you to the lower lobby on the 1st level .

Piazza Dante

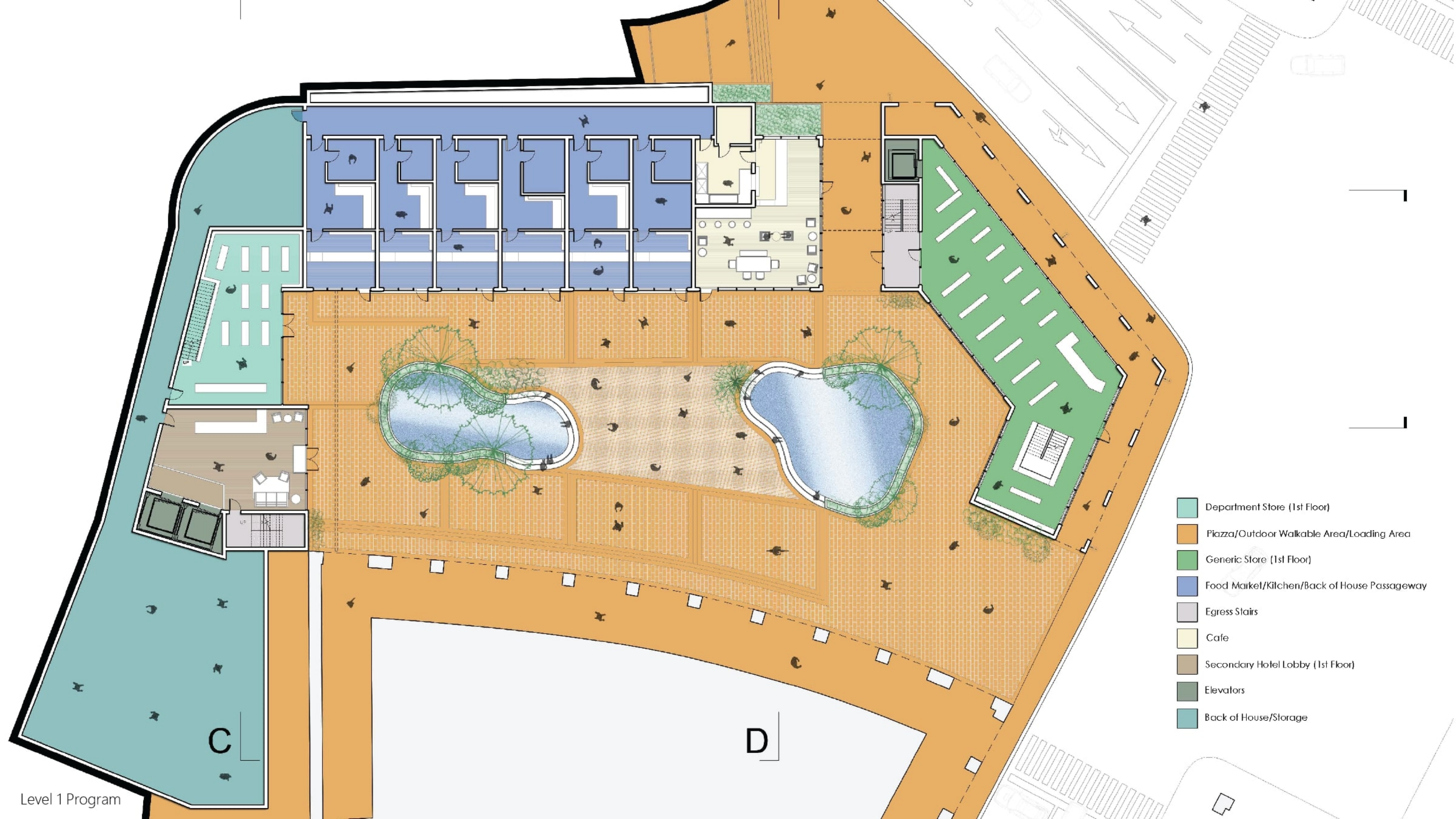
The new and improved piazza forgoes the messy, claustrophobic motor vehicle parking, for a new popular spot to eat, shop, and hang out with friends and family. There is an exterior foodcourt like Il Mercato Centrale (located in milan) on the lower floor. Boutique shopping stores on the second floor.

Public Park

Accessible to anyone, located on the 3rd level of the project, this space serves as a small area to have a leisure walk or meet-up space with friends and family.

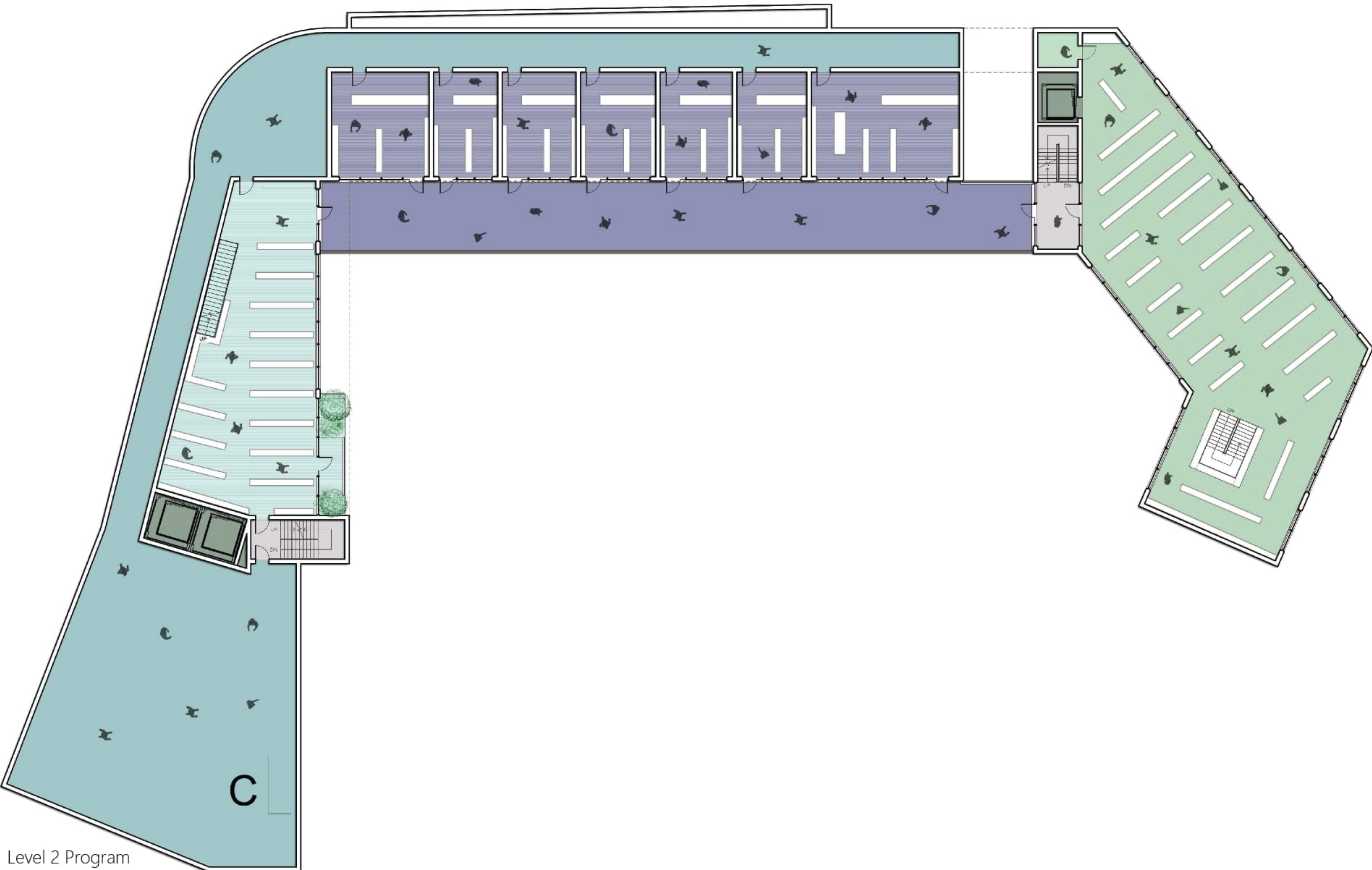
Generic Store

Consisting of two floors this store provides nearby residents quick access to almost anything they might need. The store also contains a stair and elevator that connect the piazza to the Park



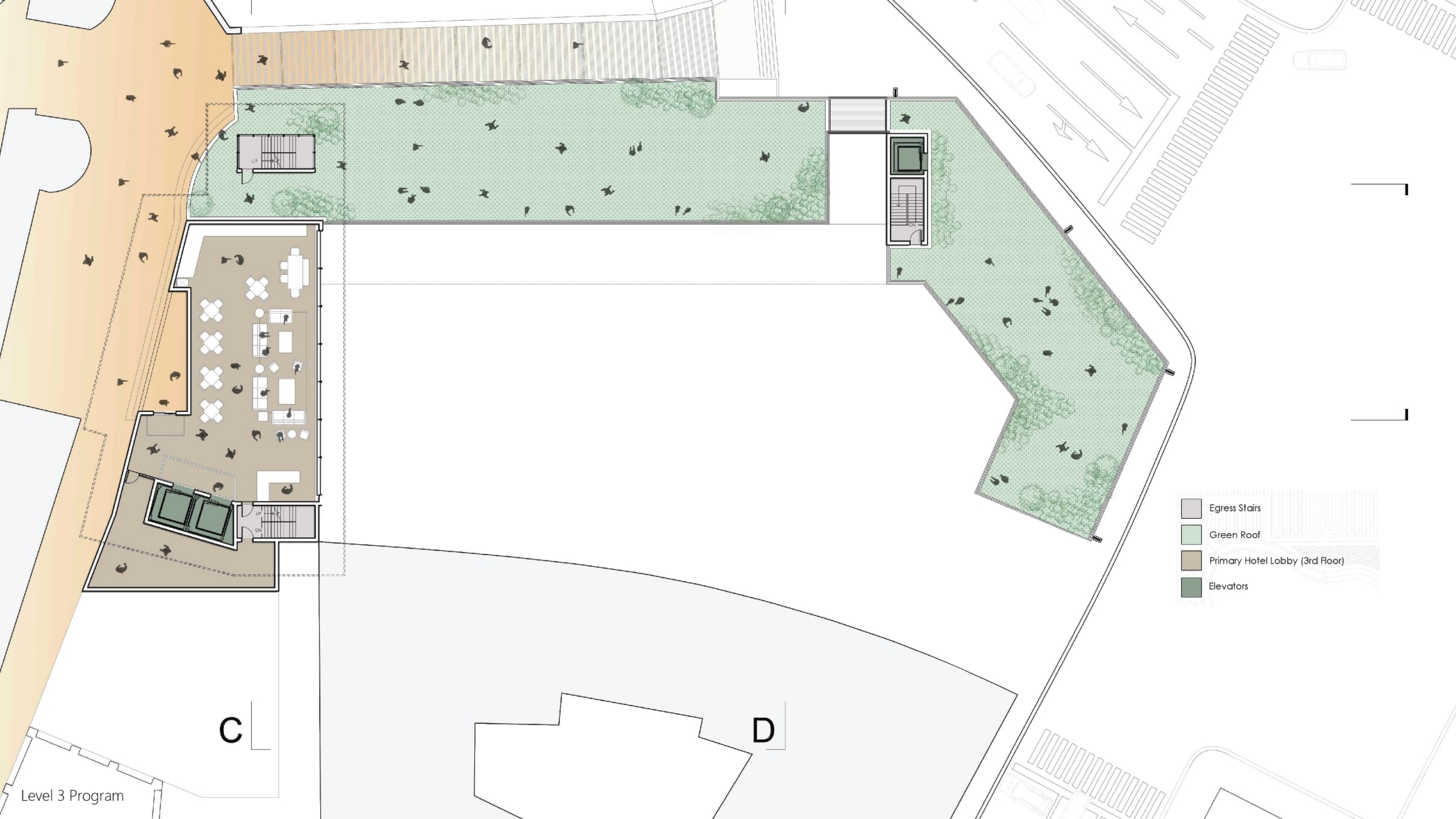
- Department Store (1st Floor)
- Plaza/Outdoor Walkable Area/Loading Area
- Generic Store (1st Floor)
- Food Market/Kitchen/Back of House Passageway
- Egress Stairs
- Cafe
- Secondary Hotel Lobby (1st Floor)
- Elevators
- Back of House/Storage

Level 1 Program



- Generic Store (2nd Floor)
- Boutique Stores/Outdoor Passageway
- Egress Stairs
- Department Store (2nd Floor)
- Elevators
- Back of House/Storage

Level 2 Program

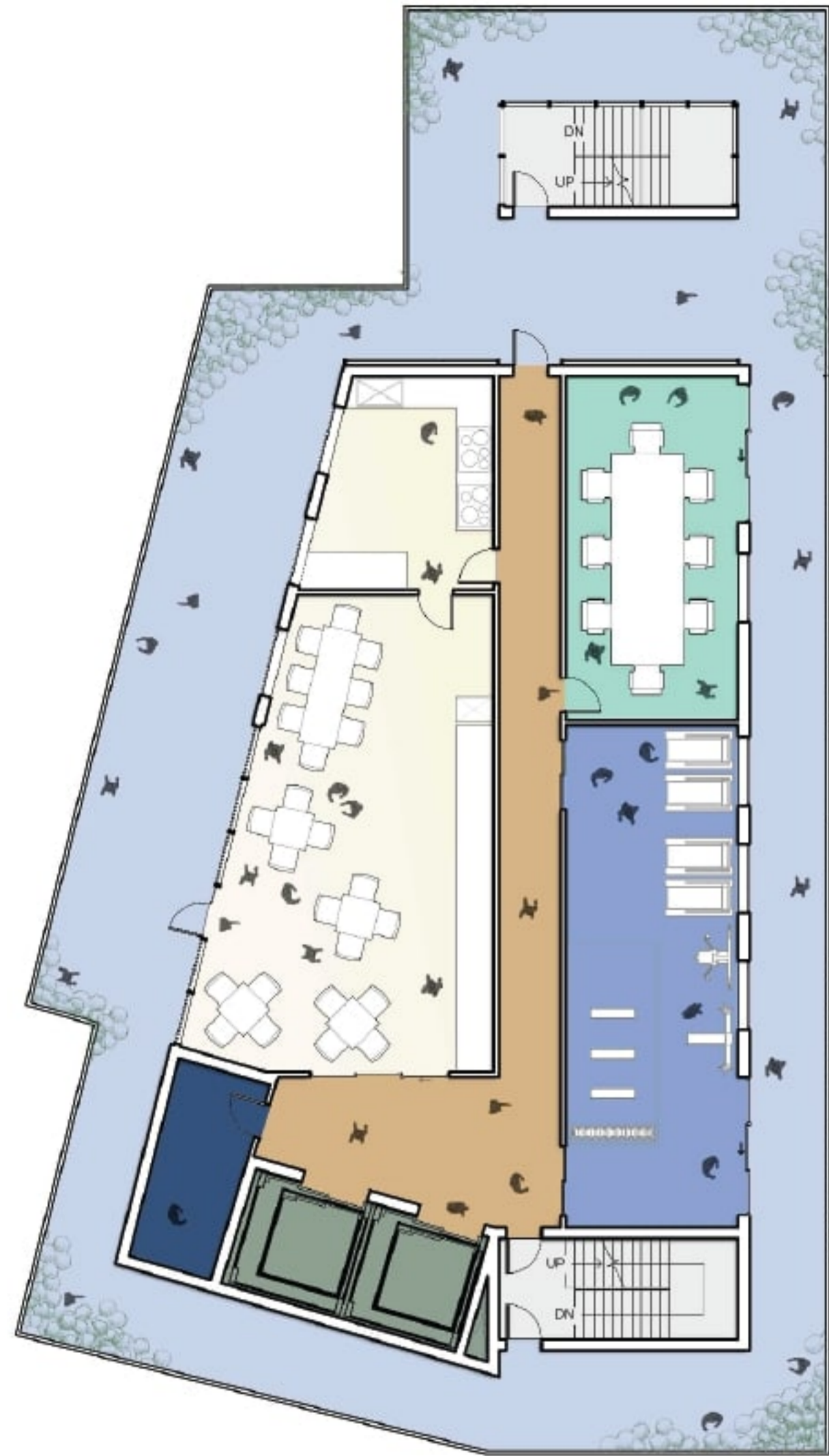


- Egress Stairs
- Green Roof
- Primary Hotel Lobby (3rd Floor)
- Elevators

Level 3 Program

C

D



- | | |
|------------------|-------------------------|
| Egress Stairs | Gym |
| Conference Room | Breakfast Room/Kitchen |
| Elevators | Hallway |
| Maintenance Room | Outdoor Seating/Terrace |

Levels 4 Program



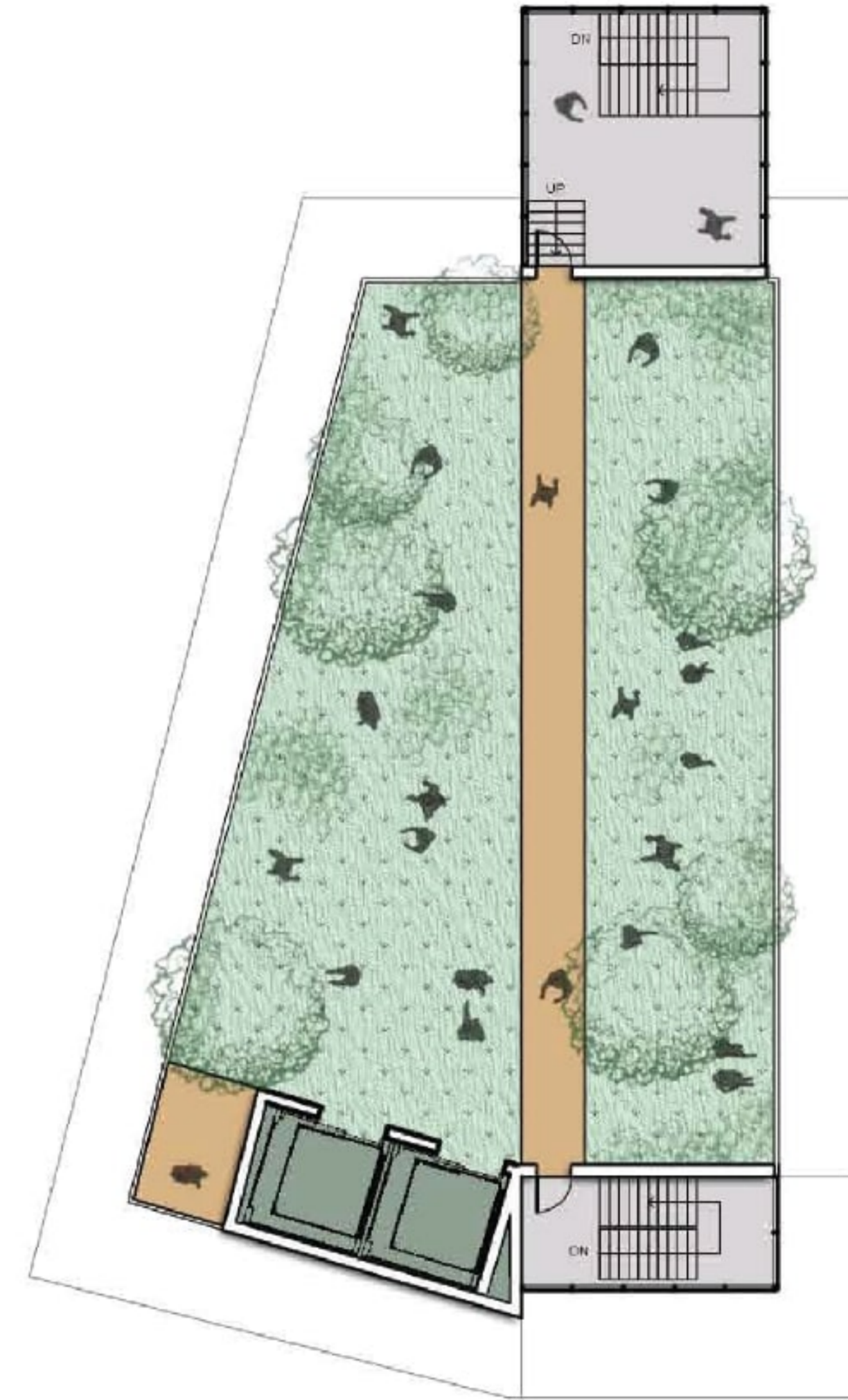
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| Egress Stairs | Outdoor Terrace |
| Elevators | Hallway |
| Maintenance Room | Hotel Rooms/Bathrooms/Balconies |

Levels 5 Program



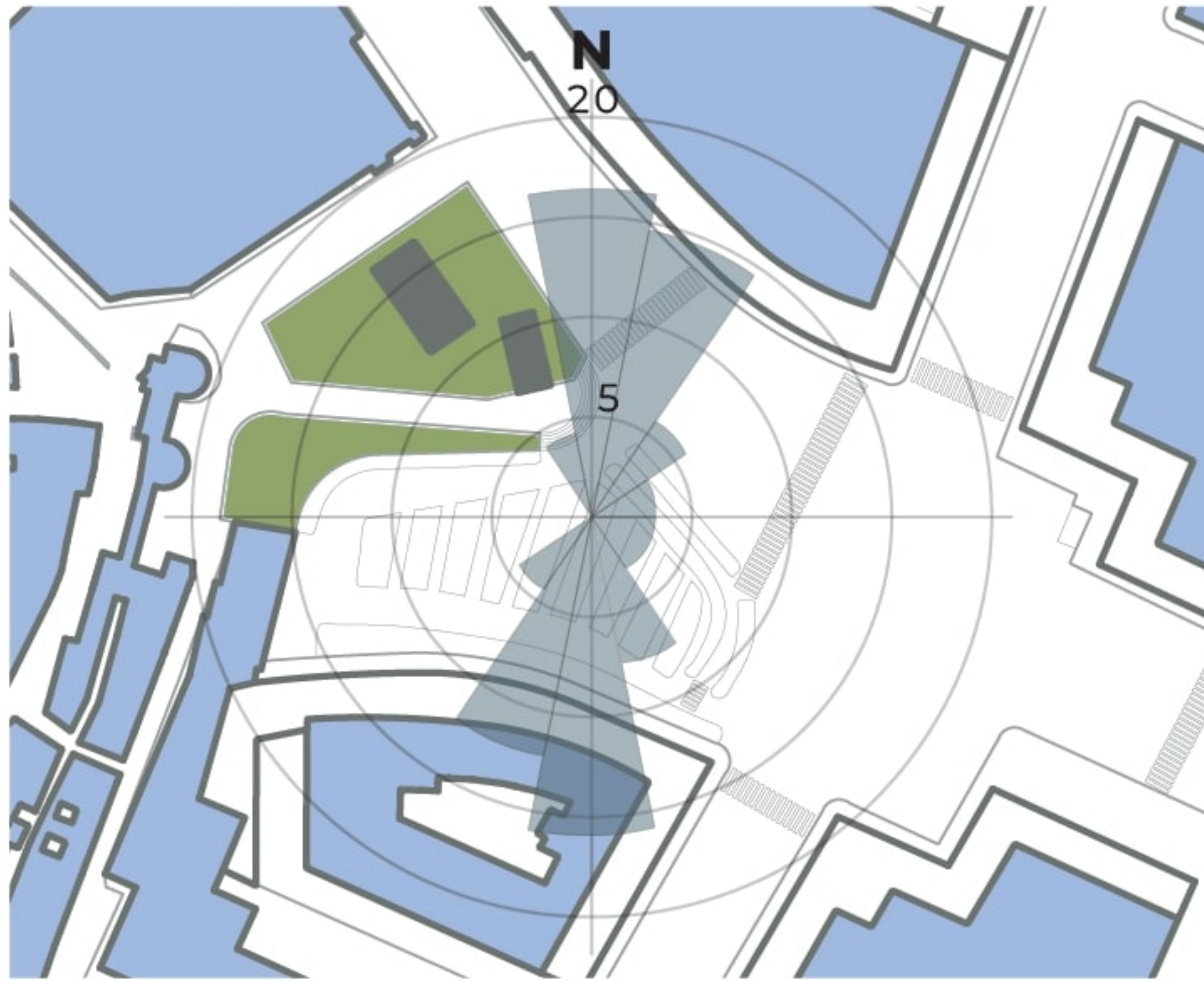
- | | |
|------------------|---------------------------------|
| Egress Stairs | Outdoor Terrace |
| Elevators | Hallway |
| Maintenance Room | Hotel Rooms/Bathrooms/Balconies |

Levels 6 Program



- | | |
|---------------|---------------------------------|
| Egress Stairs | Hallway |
| Elevators | Hotel Rooms/Bathrooms/Balconies |

Levels 9 Program



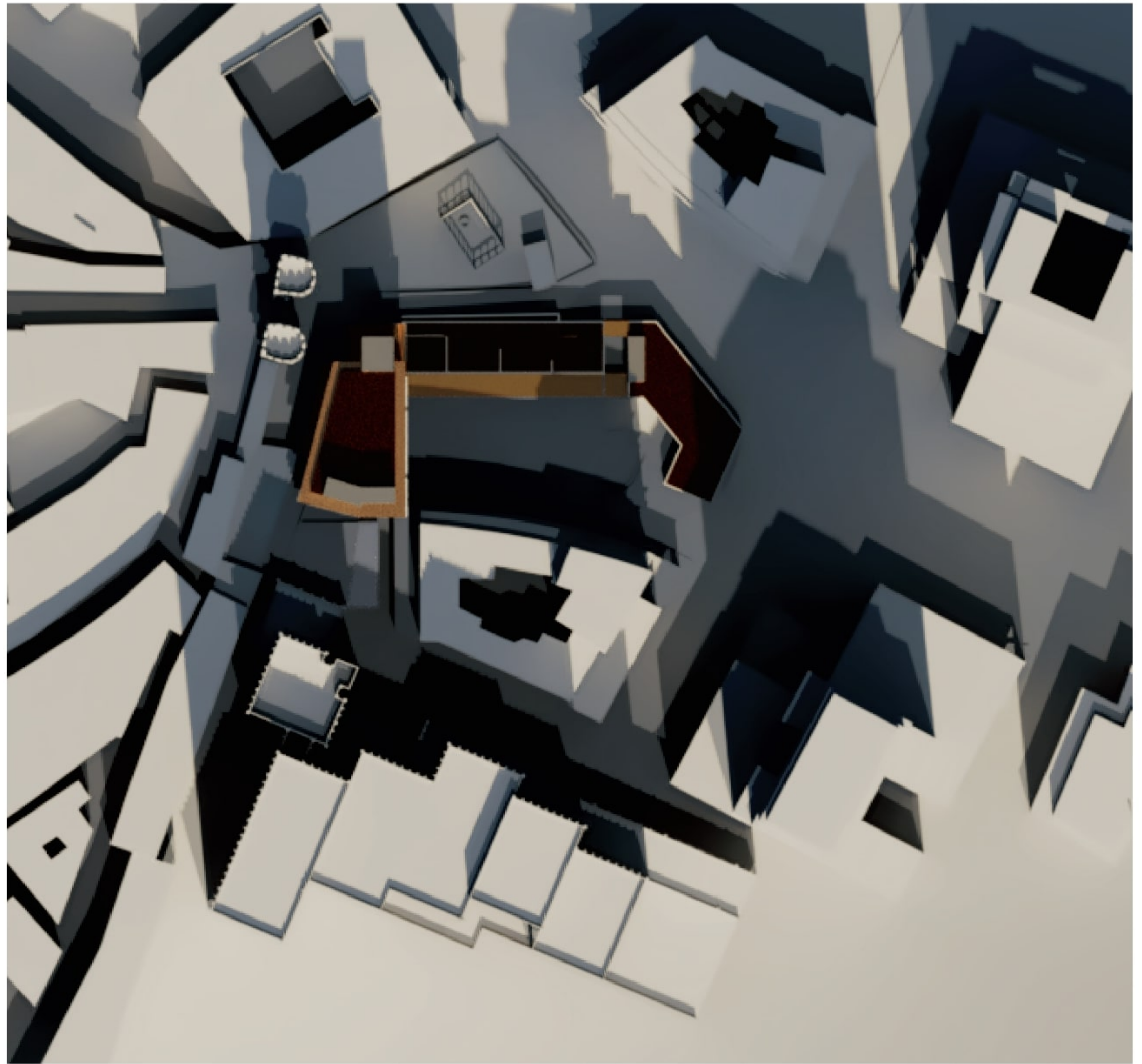
Typical Summer Wind Condition

When accounting for wind conditions, reducing cold bursts of wind during winter and allowing for passive cooling of the piazza during summer is vital. We plan on achieving this through a partition separating the piazza from direct exterior wind conditions.

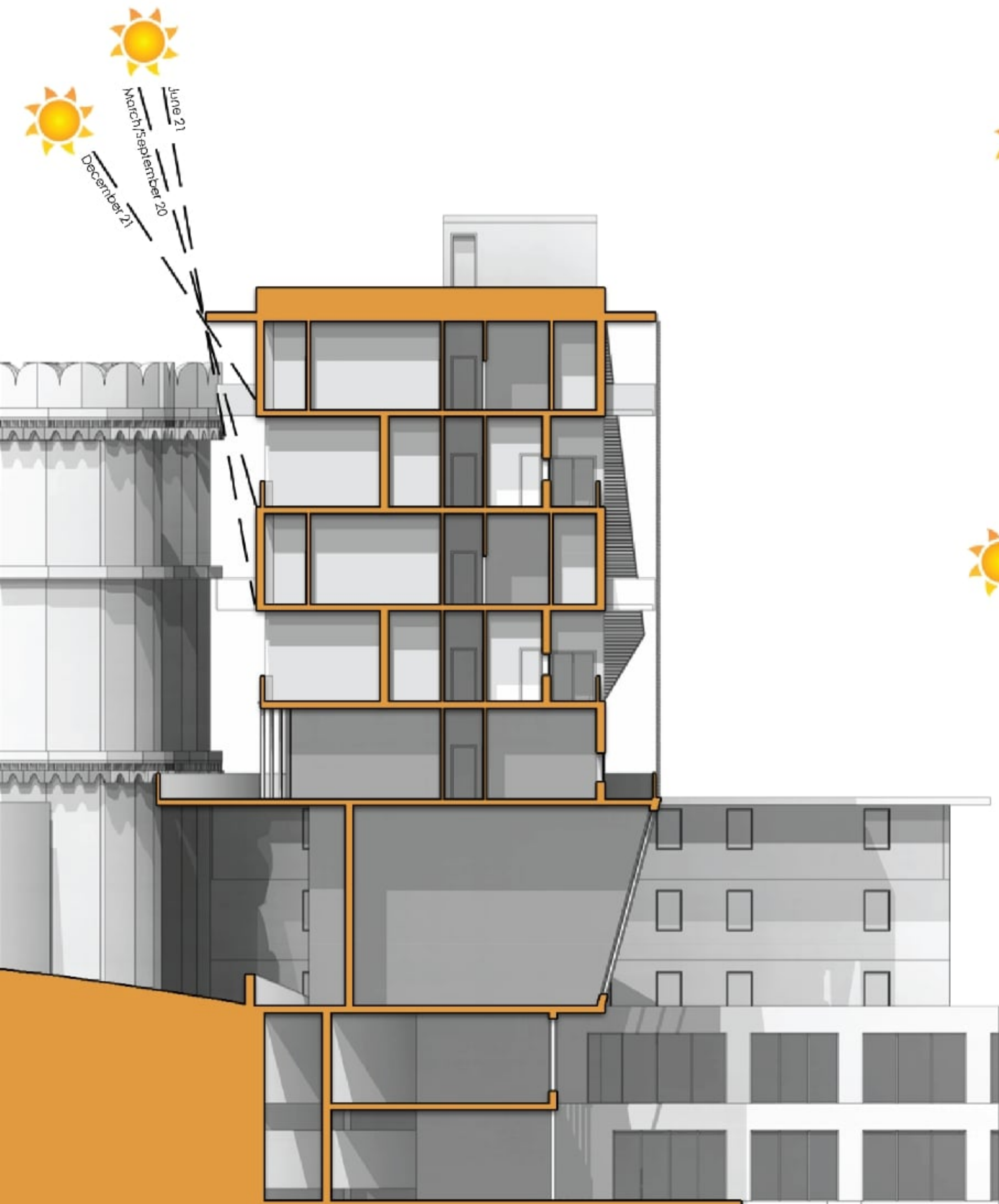


Typical Winter Wind Condition

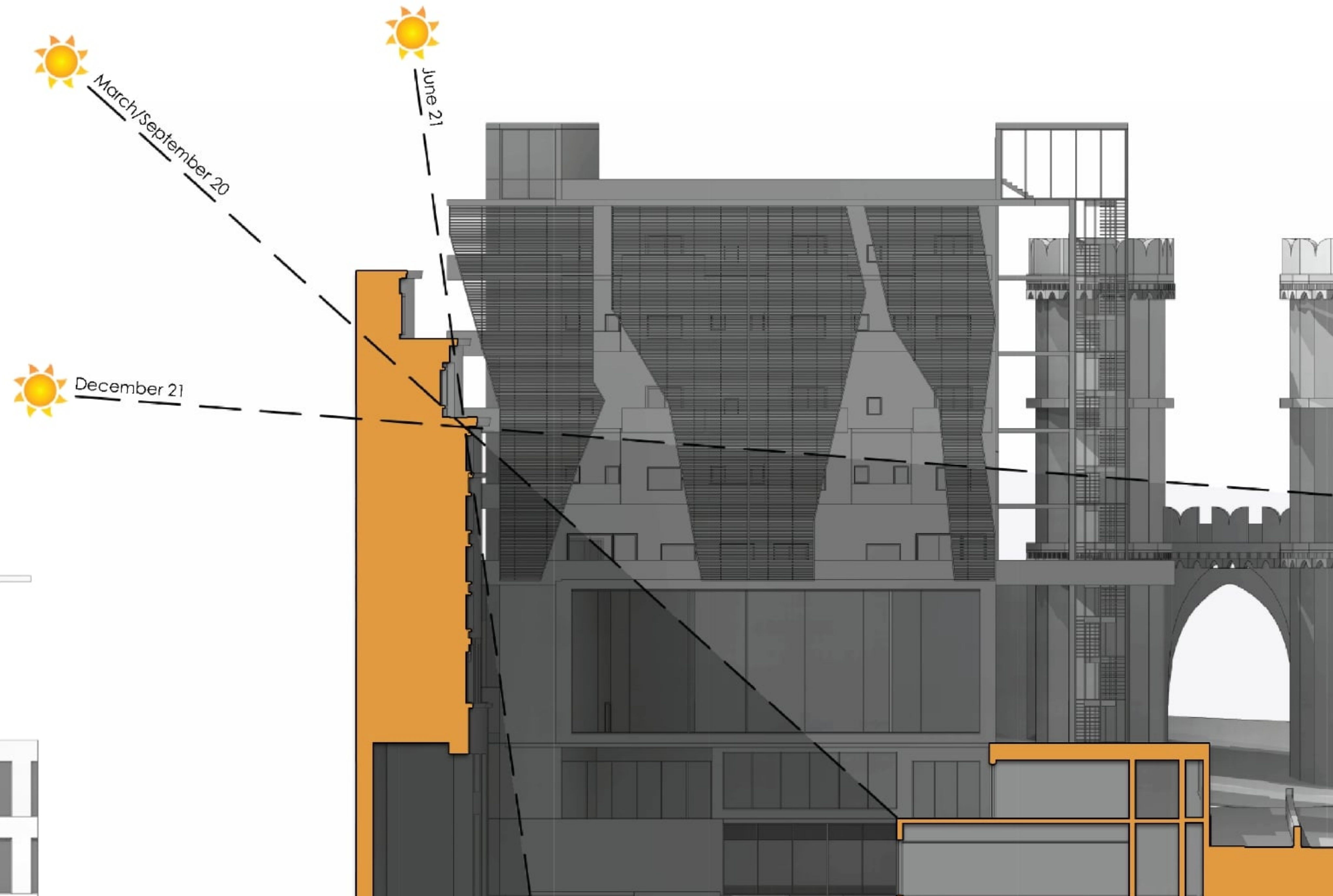
When running solar analysis within the site, we noticed the northern part of the site is susceptible to more solar heat gain than the rest of the site. We plan on taking advantage of this by incorporating the egress fire escape stairs as a passive heat pump that will help channel hot air into the atrium — while cool air enters the site.



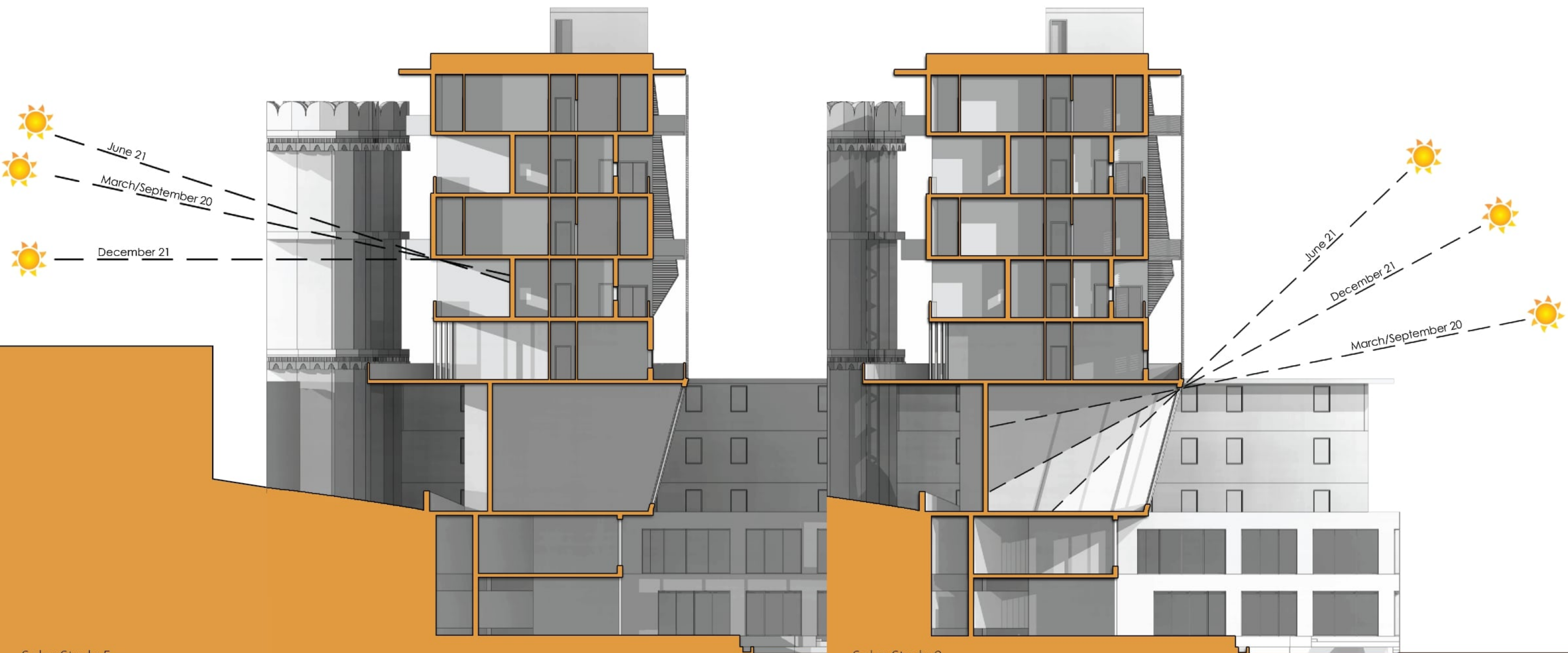
Typical Midday Solar Condition



Solar Study 1 PM (Section A)



Solar Study 1 PM (Section D)

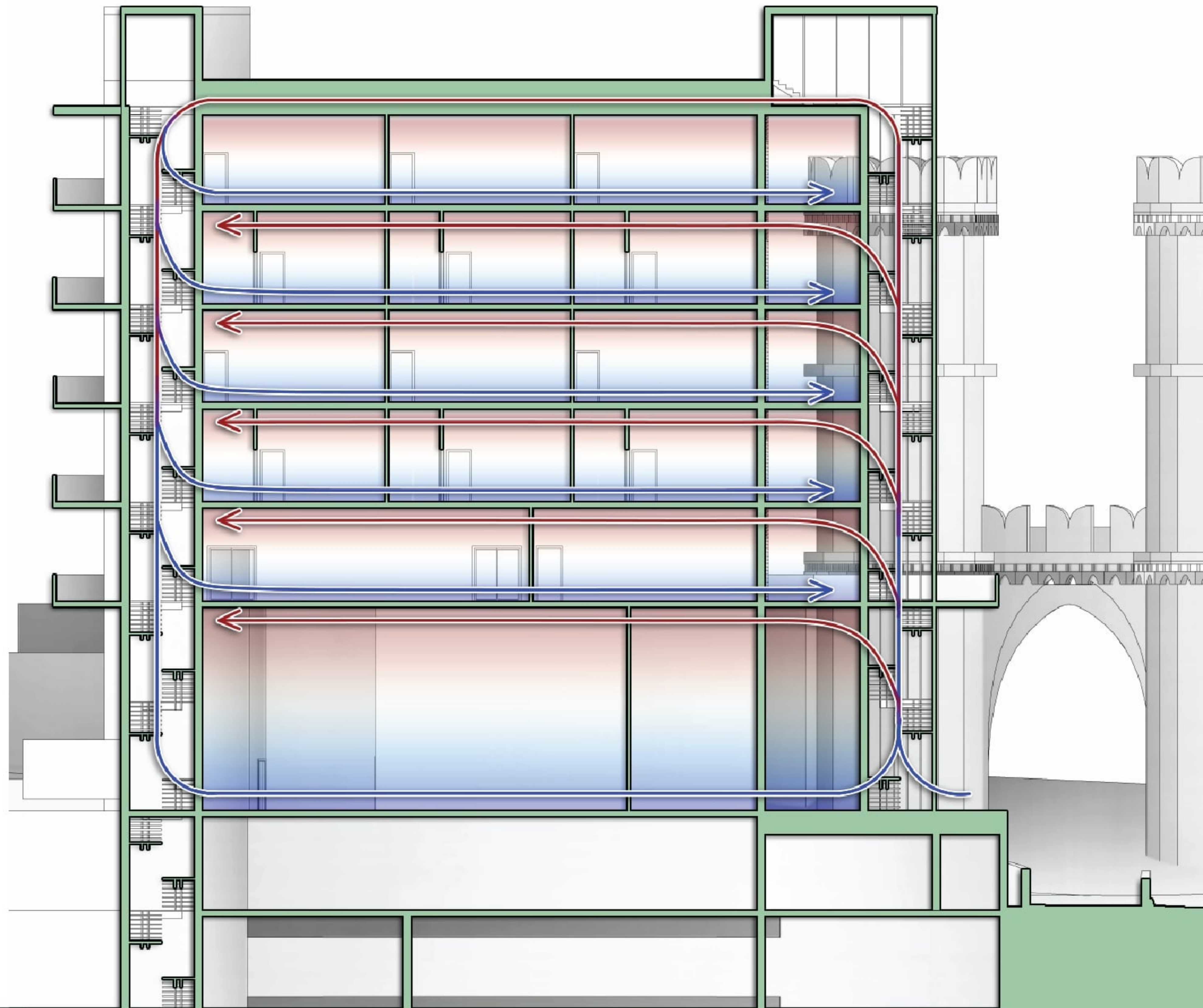


Solar Study 5 PM (Section A)

Solar Study 9 AM (Section A)



Visualization of Average Wind flow



Visualization of Passive Wind flow



