

Ignacio Camperchioli

Architect

ARCHITECTURAL PORTFOLIO

SELECTED WORKS.

2017 - 2024.



ABOUT ME.

IGNACIO CAMPERCHIOLI



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Academic Background.

2017 - 2022 **Torcuato Di Tella University - School of Architecture and Urban Studies.**
6-year Professional Degree Program with a specialization in project design.
Buenos Aires, Argentina.

2000 - 2016 **Mater Ter Admirabilis School**

Bachelor's degree with orientation in Economic and Social Sciences.
Buenos Aires, Argentina.

Languages.

2014 - 2016 **Spanish as native language.**

English

CEFR Level C1 - Advanced Level English Course at St. Giles International College.
Level C1 - Advanced English formation at Mater Ter Admirabilis College, Bs.As.
CEFR Level B2 - First Certificate in English Diploma, University of Cambridge.
CEFR Level B1.2 - Certification at Trinity College London, UK.

2010 - 2016 **German**

Level A2 - Basic German training at Mater Ter Admirabilis School, Buenos Aires.

Experience.

2023 - 2024 **SASI Studio (Remote work - London, UK)**
Architectural Assistant - Part I / June 2023 - Jan 2024

2022 **Internship at ABIBOO Studio (Remote work)**
Architect Designer / Feb 2022 - Mar 2022

2018 **Workshop at Torcuato Di Tella University**
Mar 2018 - by Jesse Reiser about "Opaque Architecture"
Jun 2018 - by Camilo Restrepo about "Mies understandings from canonic to hybrid towers"

Software Skills.

Rhinoceros 3D Software



Grasshopper Software



Twinmotion Software



V-Ray Render for Rhinoceros



Adobe In Design



Adobe Photoshop



Adobe Illustrator



Corona Renderer



Autodesk AutoCAD



Autodesk 3DsMax

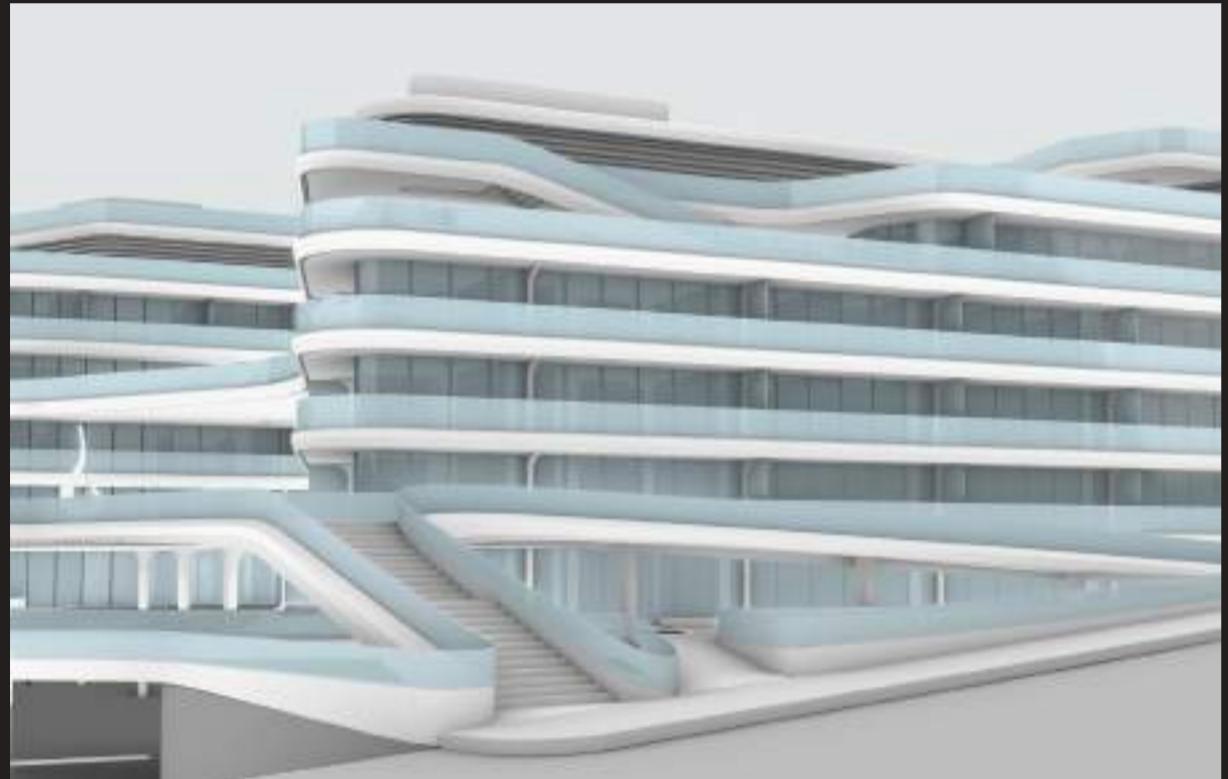


Autodesk Revit



CONTENT.

01 | **Glen Cove Villa Development**
New York, USA.



02 | **Hyatt Re-Development**
Michigan, USA.



03 | **Re - Describing the Olivetti Tower**
Buenos Aires, Argentina.



04 | **Corporative Boxes**
Buenos Aires, Argentina.



05 | **Urban Hydroproliferations**
Buenos Aires, Argentina.



06 | **Bluegrass Club & Gallery**
Pune, India.



07 | **Arch Tower**
Buenos Aires, Argentina.



08 | **BA Riverside Park**
Buenos Aires, Argentina.



01

GLEN COVE VILLA DEVELOPMENT

TOPIC: Concept & Project design.

TYPOLOGY: Mixed-use complex.

SITE: New York, USA.

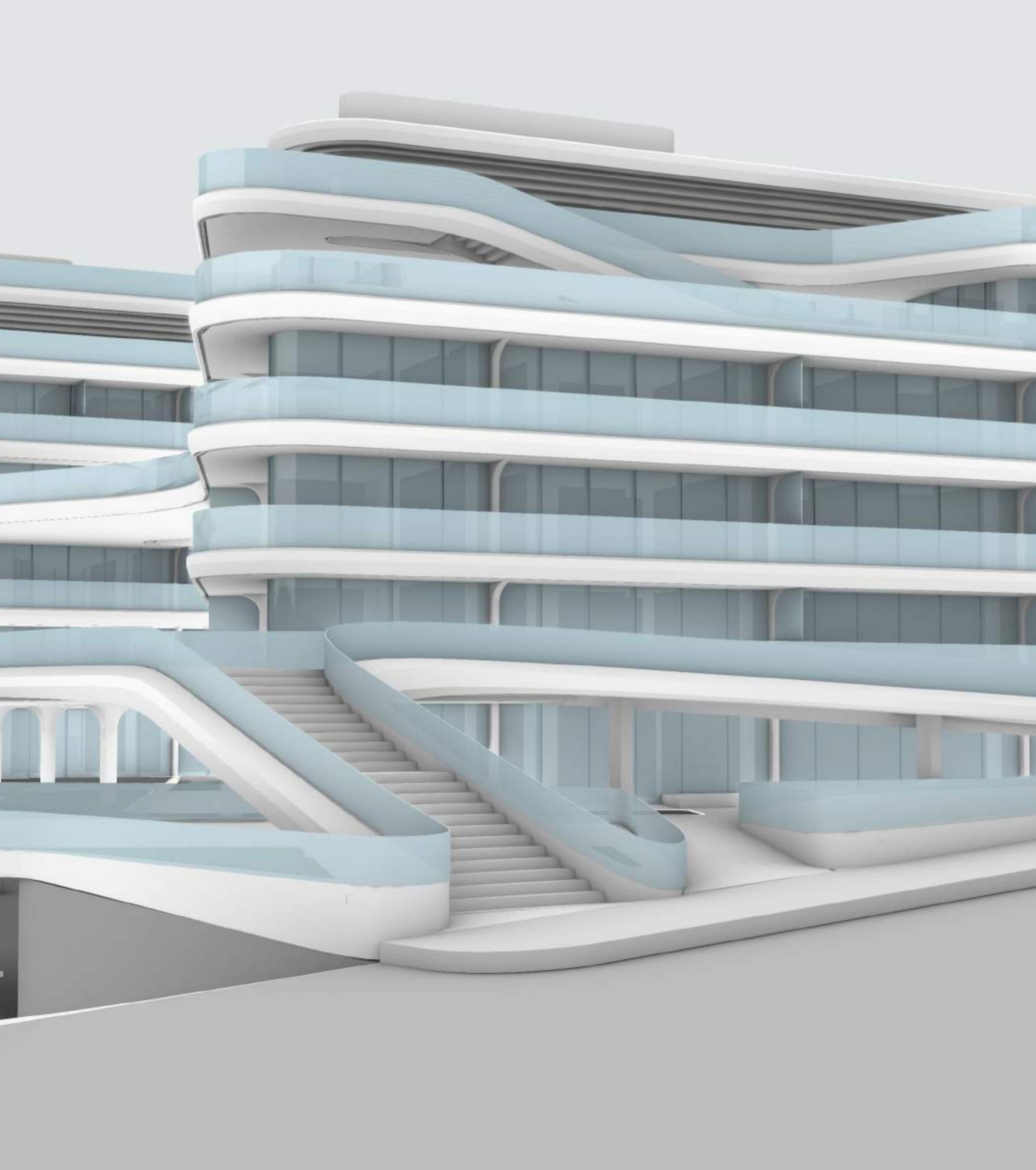
YEAR: 2023.

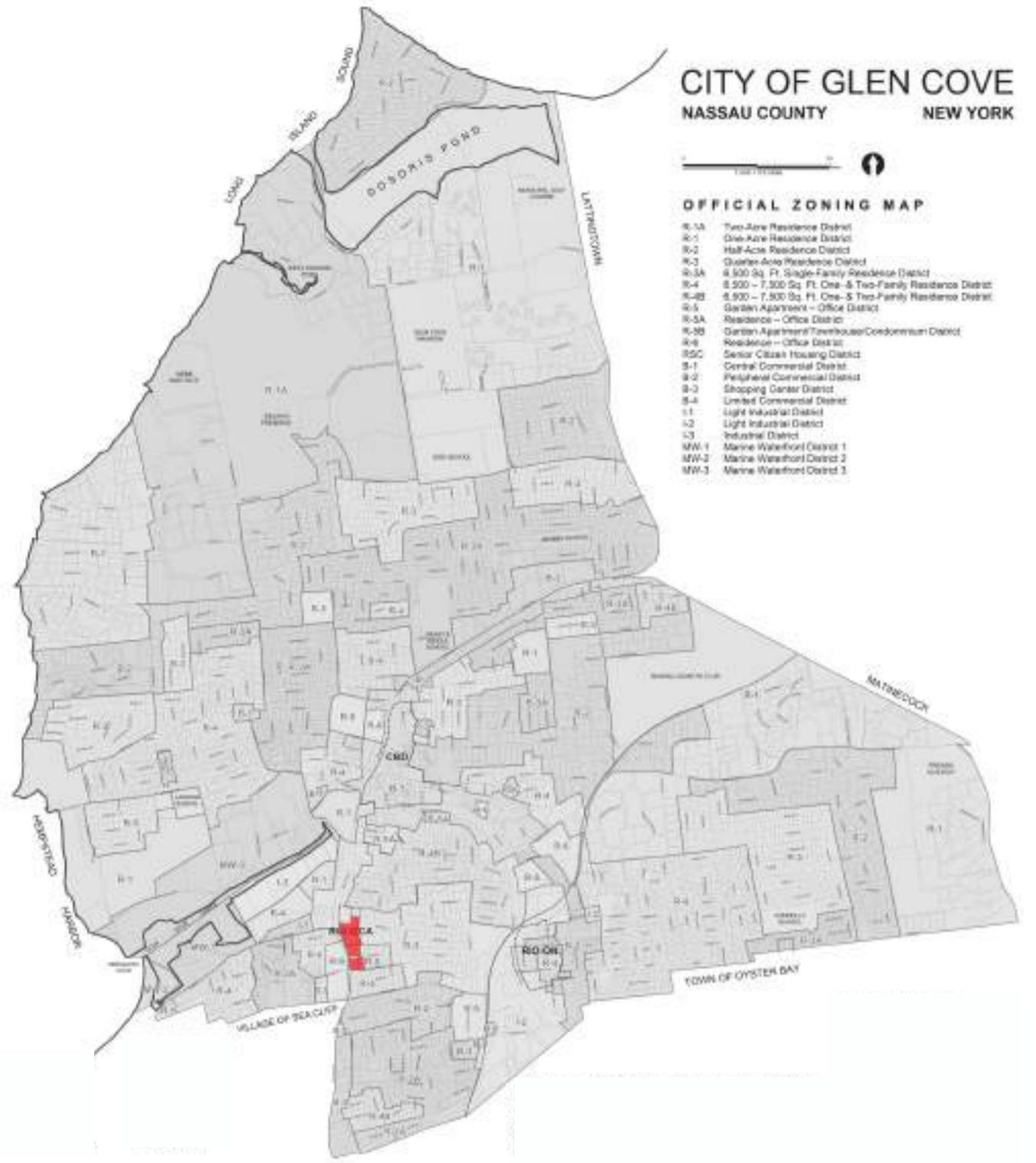
STUDIO MEMBER: SASI Studio.

TASKS: 3D Modelling, 2D Drawings, Concept Diagrams, Illustrations.

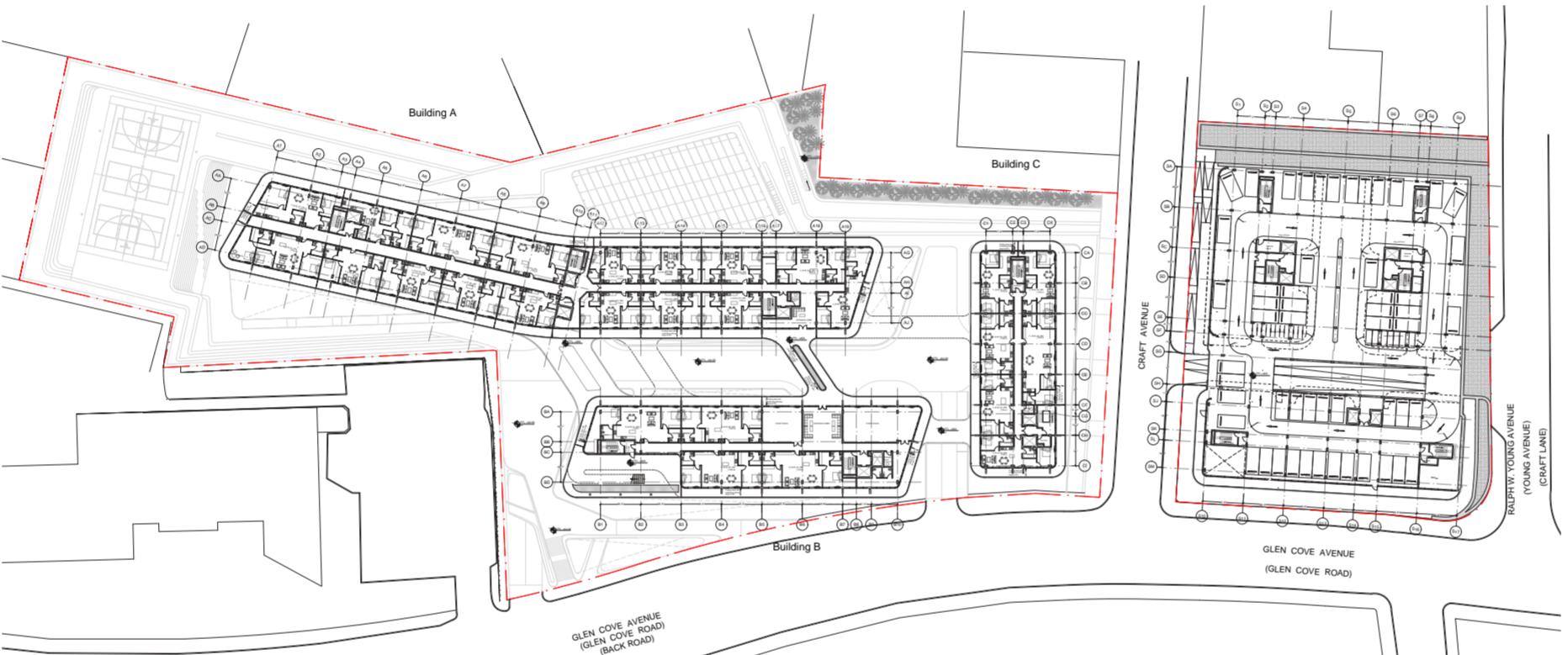
Glen Cove Villa consists of six residential buildings that embody a distinctive blend of residential units and community facilities. The project is located in Glen Cove a city in Nassau County, New York, United States. Crafts Avenue bisects the site getting as a result two plots: the north and south ones.

About its services, car parking consists of one basement level on the north site and two basement levels on the south site, served by lifts. Also, the development strategically creates community amenities such as a spa, winery, co-working spaces, indoor and outdoor swimming pools, game room, clubhouse, fitness centre and outdoor sports facilities at the plaza level to ensure seamless accessibility. An upper level is located the podium which brings car drop-off access and different pedestrian entrances too. Residential units are predominantly three to four storeys within the buildings. A network of open-air bridges were proposed to connect the buildings at different levels, facilitating internal connectivity as well as providing public outdoor spaces for residents. Mechanical, electrical and plumbing (MEP) spaces are strategically located on the terrace and basement levels. Lastly, all the buildings boast rooftops designed with green spaces, providing residents and the public with recreational areas.

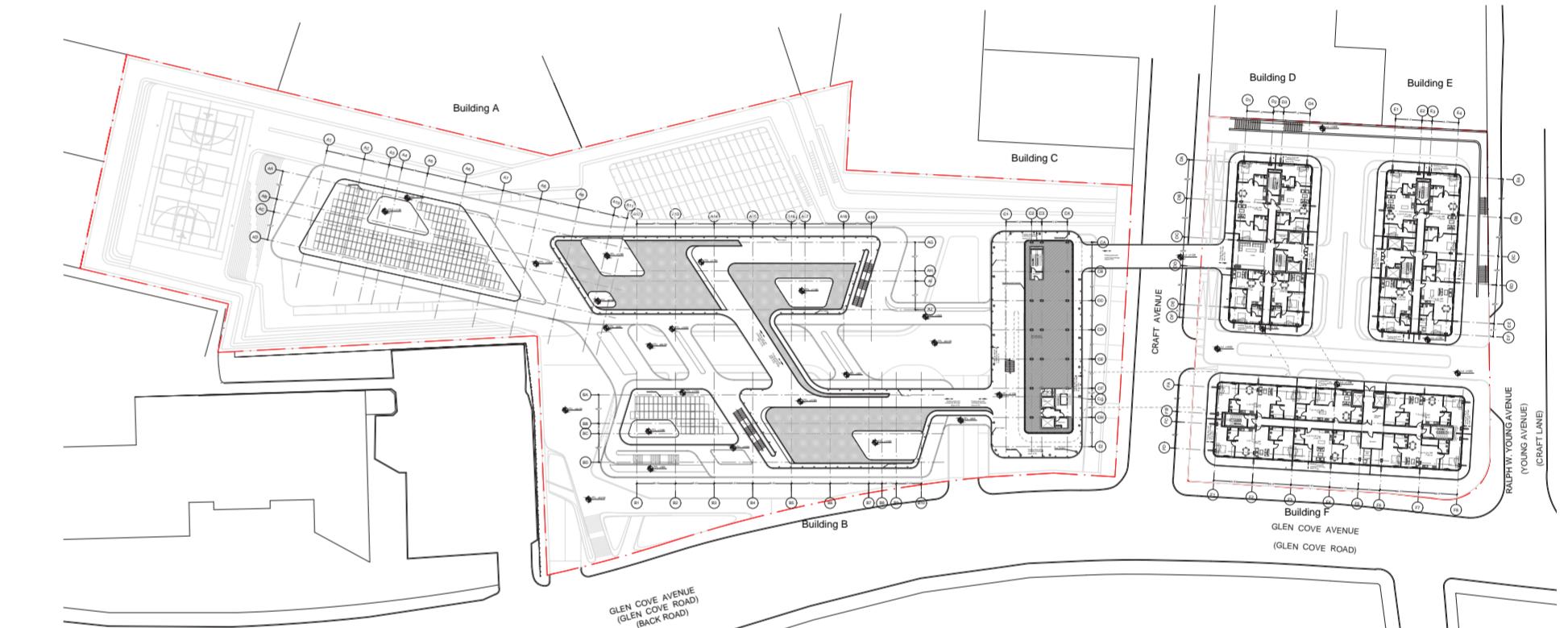




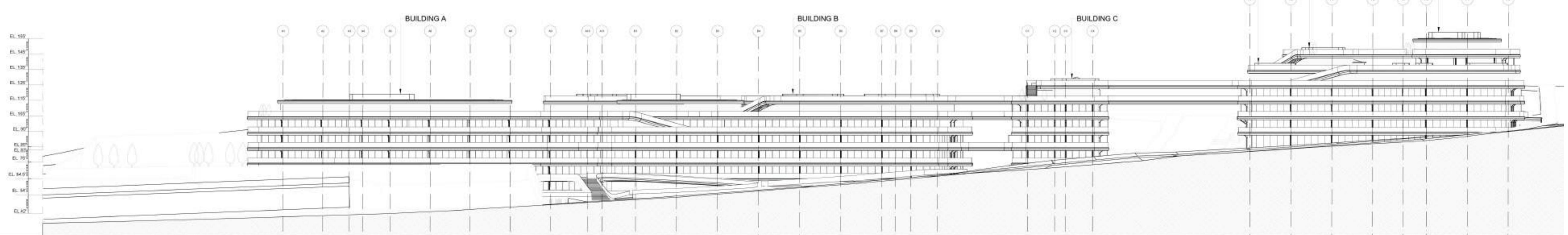
Plaza Level Plan - 54ft LvL



North Plot Typical Floor Plan - 95ft LvL



South Plot Typical Floor Plan - 115ft LvL

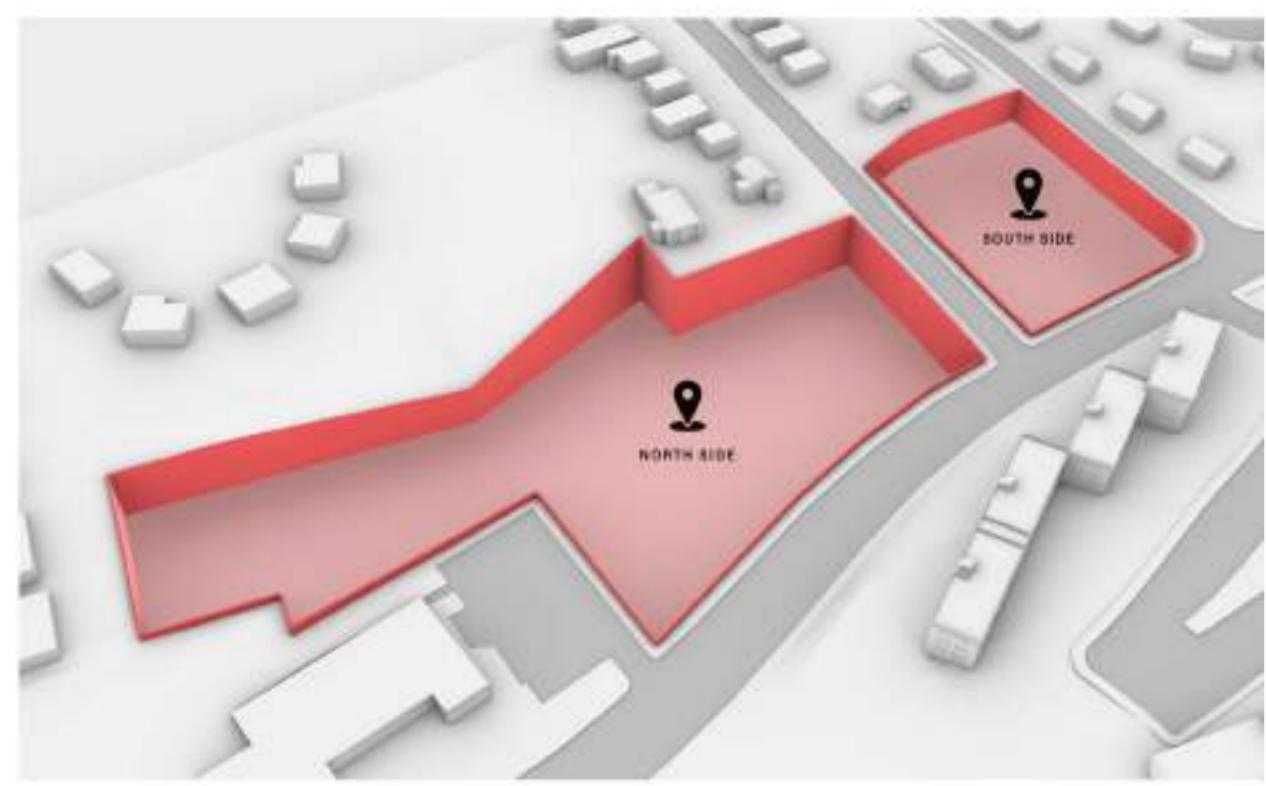


West Elevation

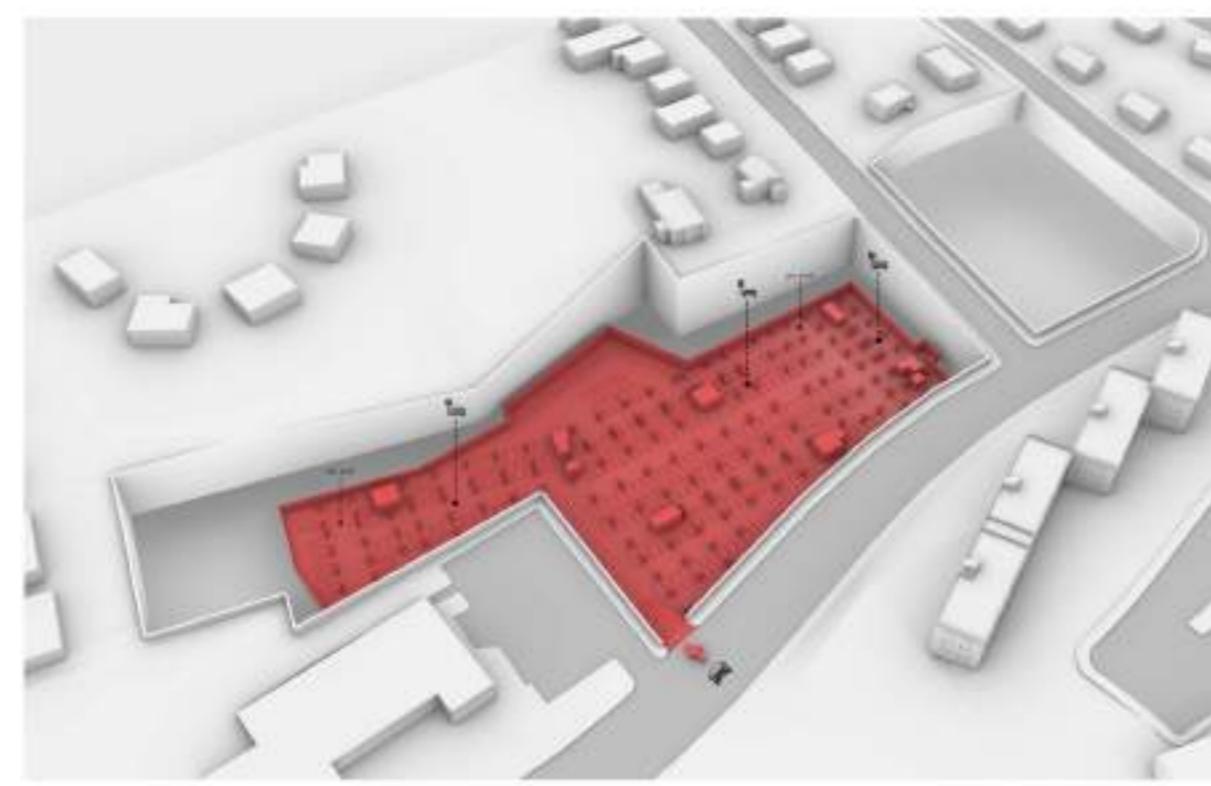
Email: ignaciocamperchioli@gmail.com

Concept Design Process

Masterplan Diagram - Site Location



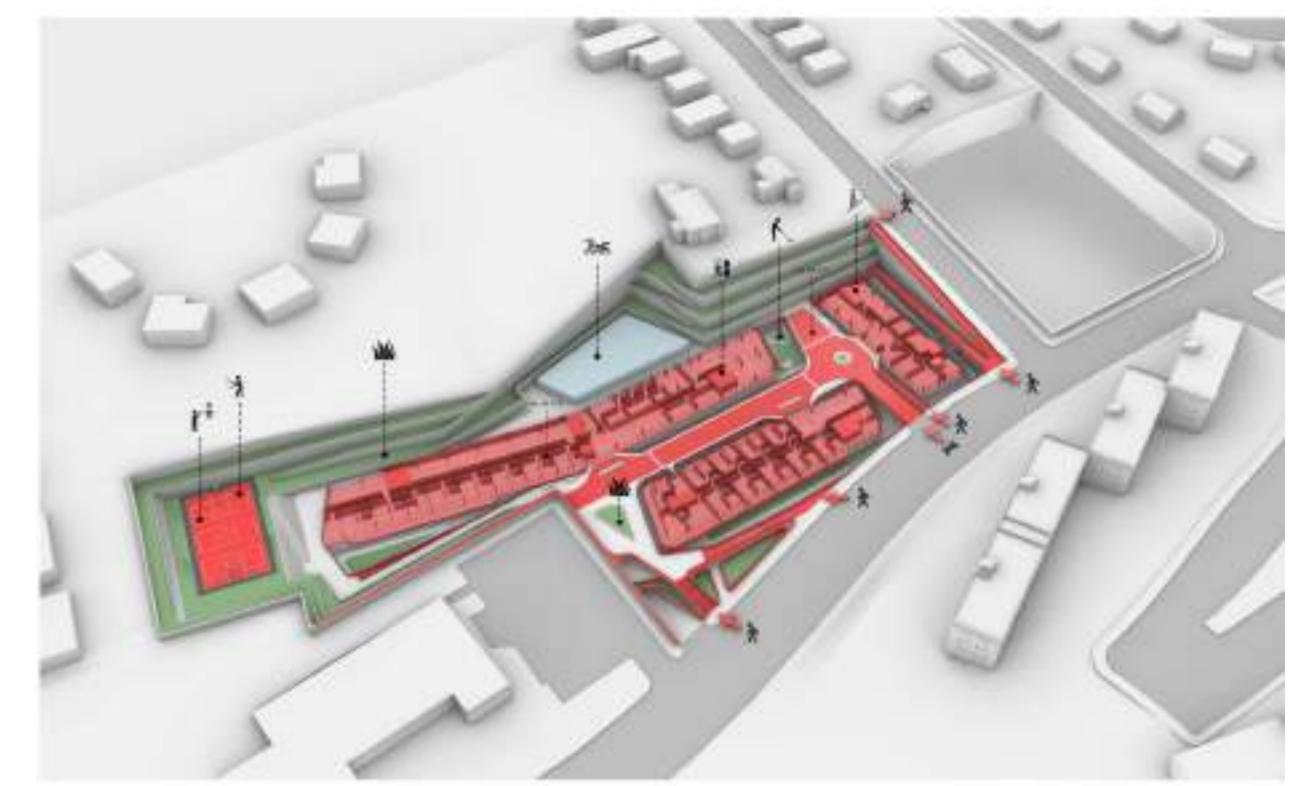
Masterplan Diagram - Level 42' ft



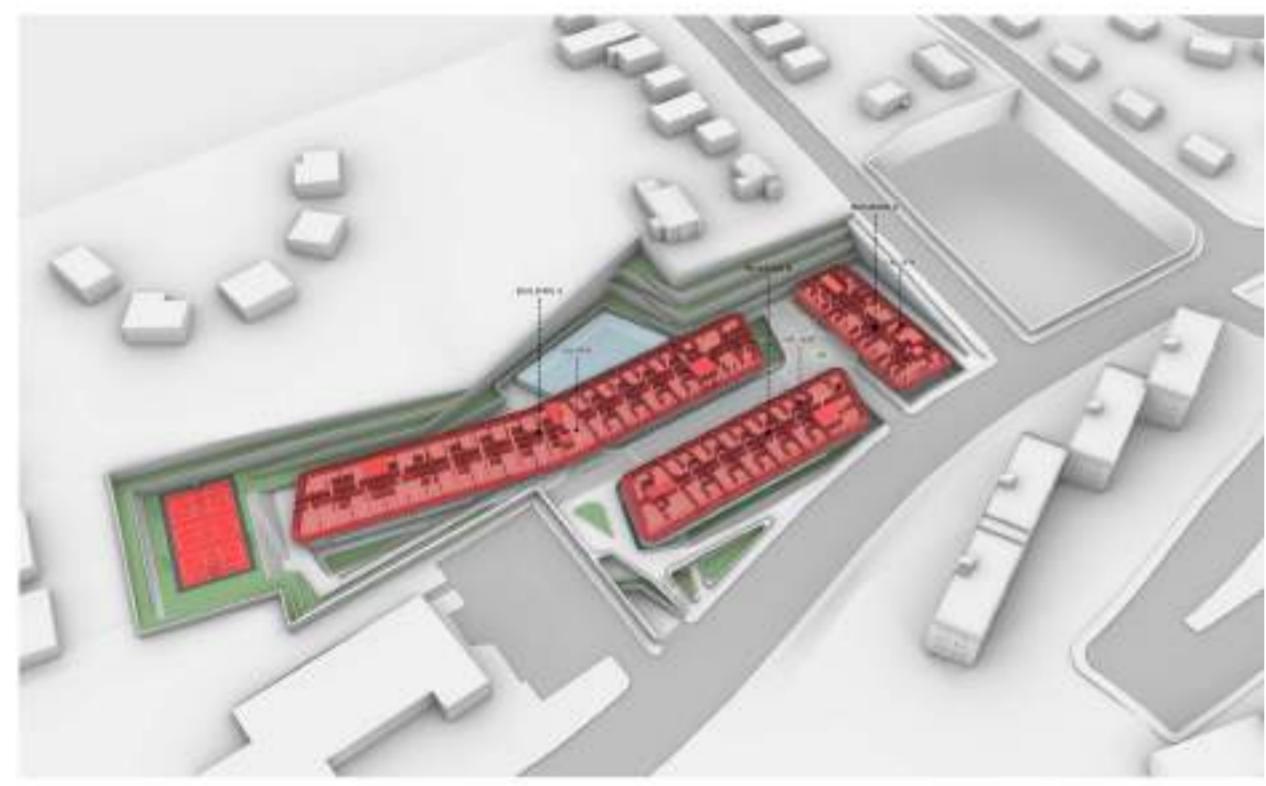
Masterplan Diagram - Level 54' ft



Masterplan Diagram - Level 64.5' ft



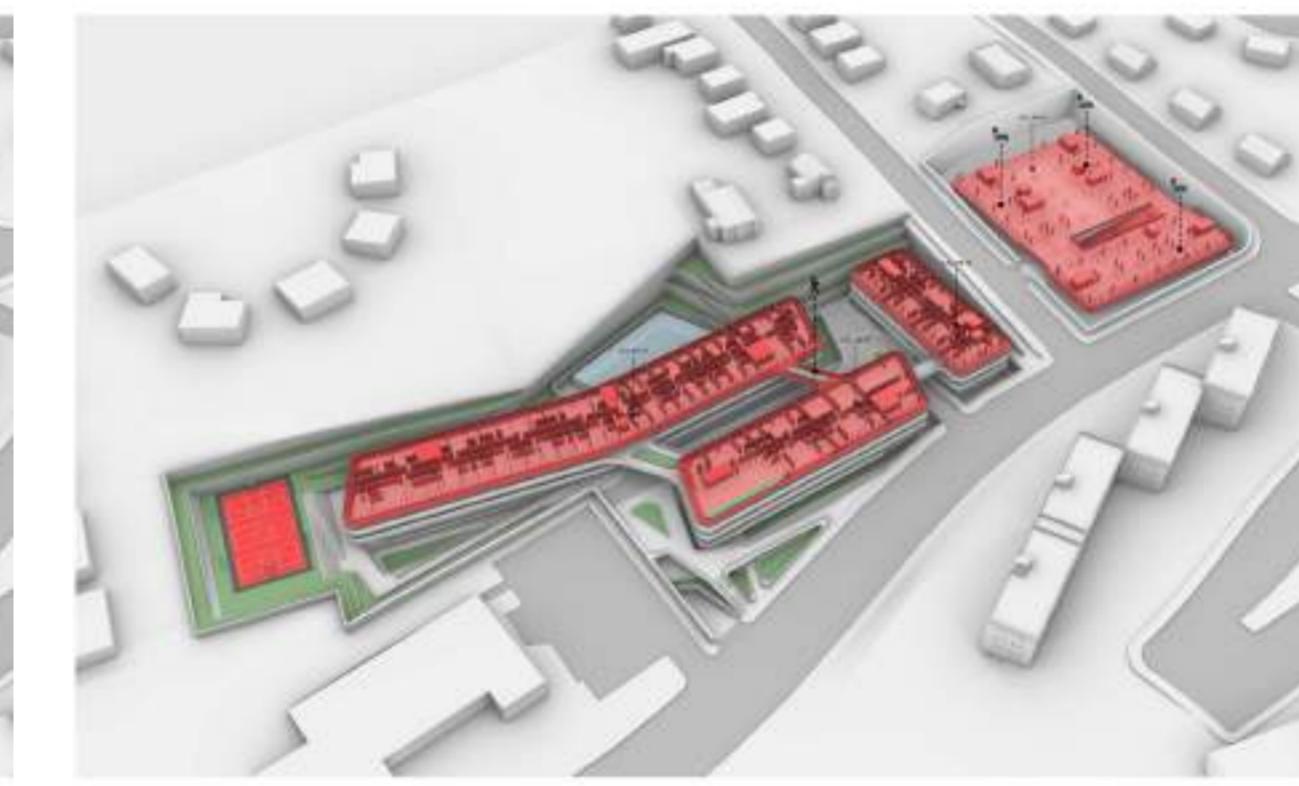
Masterplan Diagram - Level 75' ft



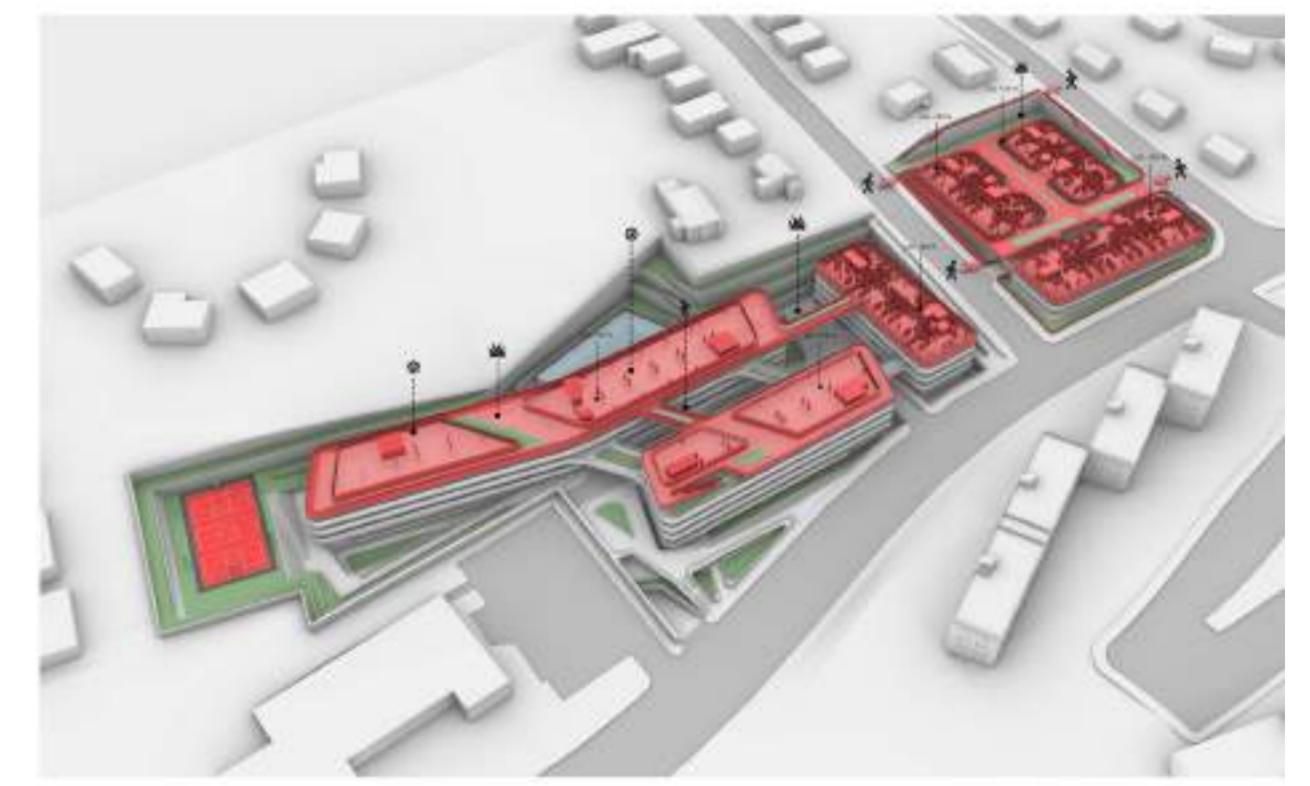
Masterplan Diagram - Level 83' ft & 85' ft



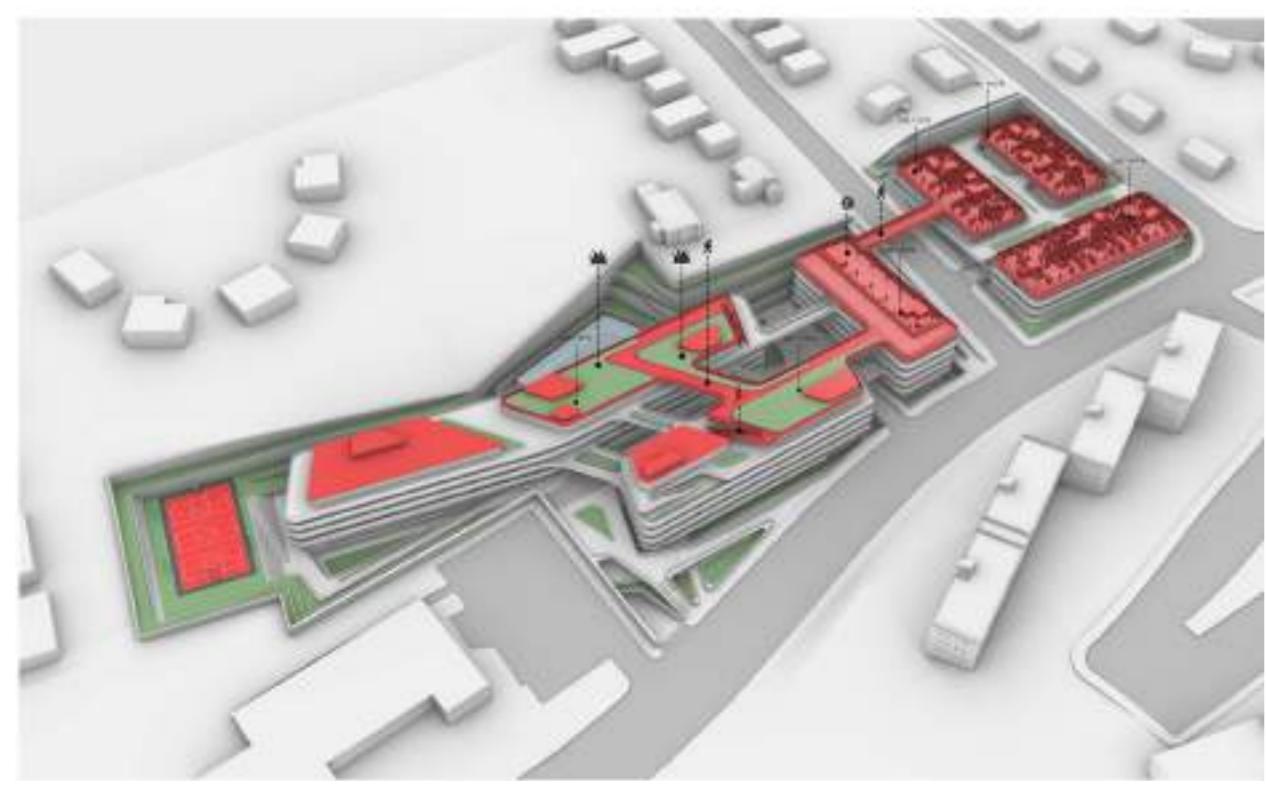
Masterplan Diagram - Level 95' ft



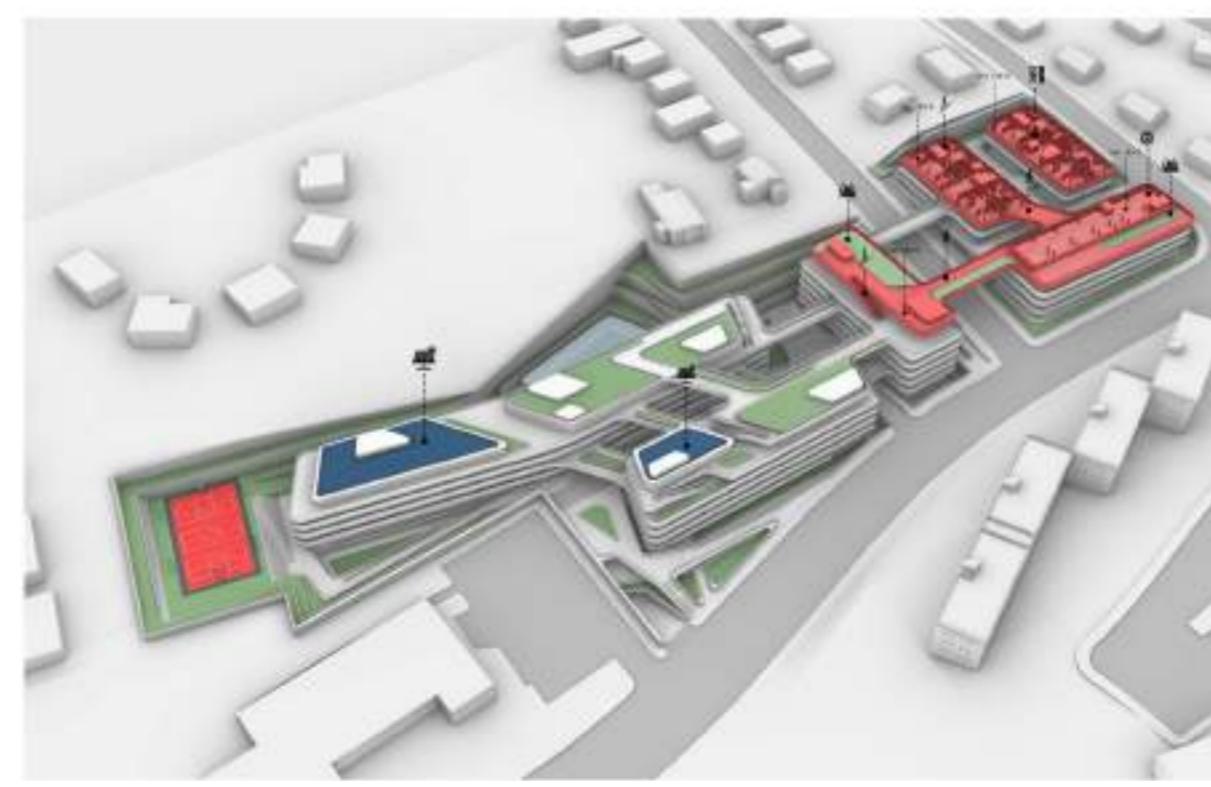
Masterplan Diagram - Level 105' ft



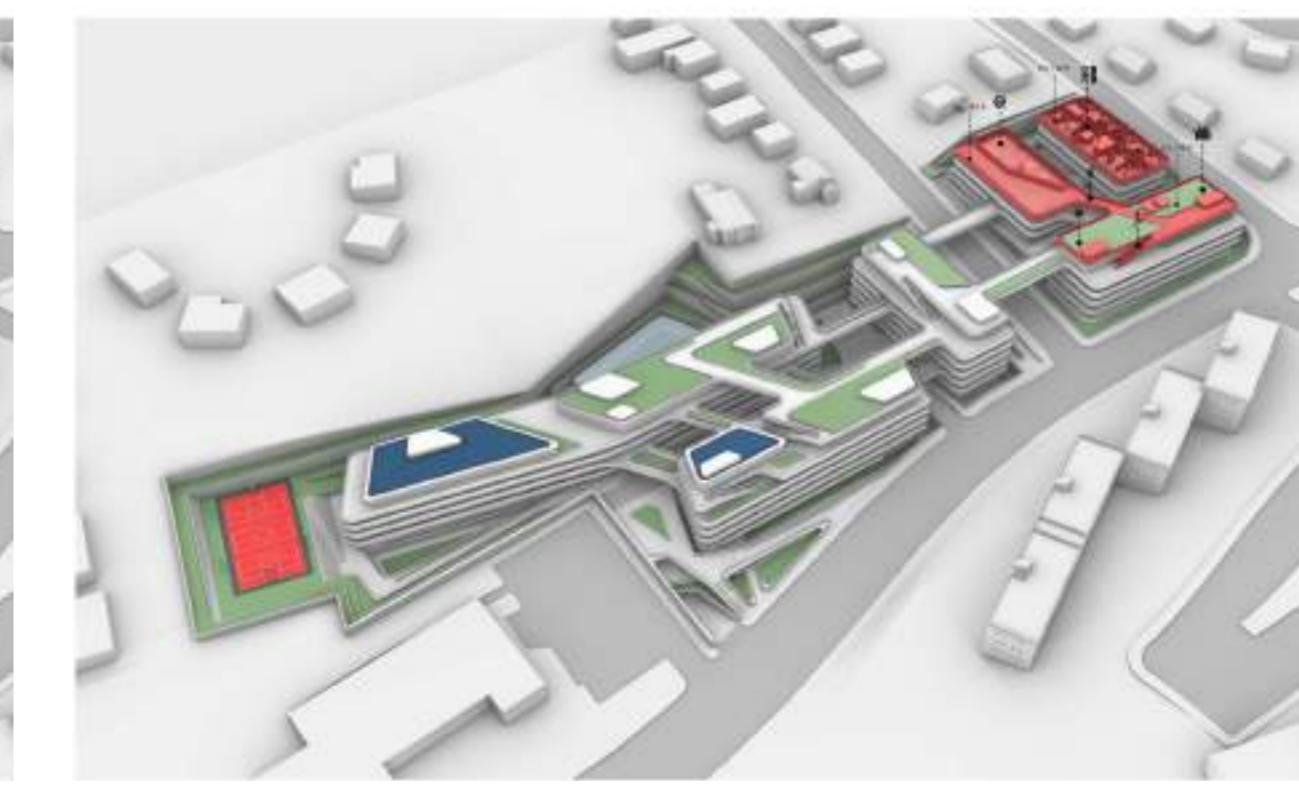
Masterplan Diagram - Level 115' ft



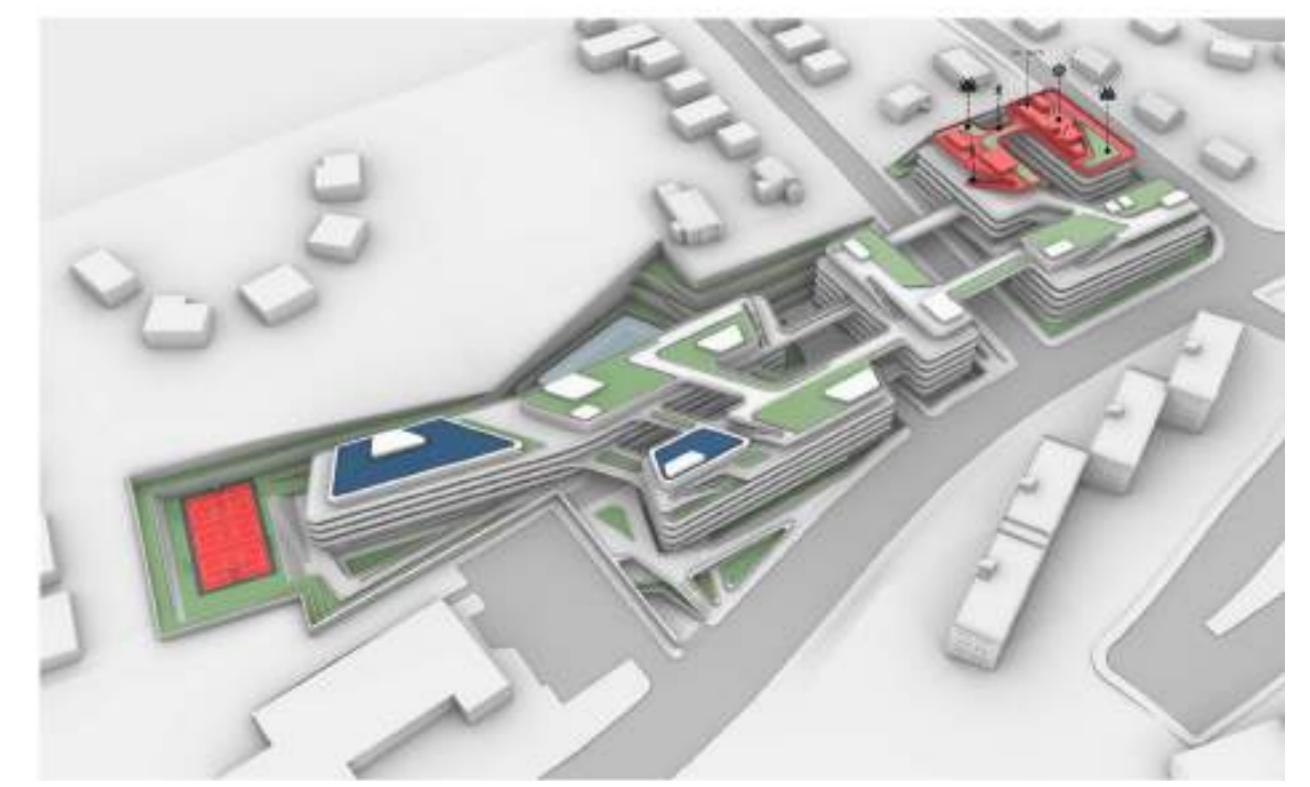
Masterplan Diagram - Level 125' ft

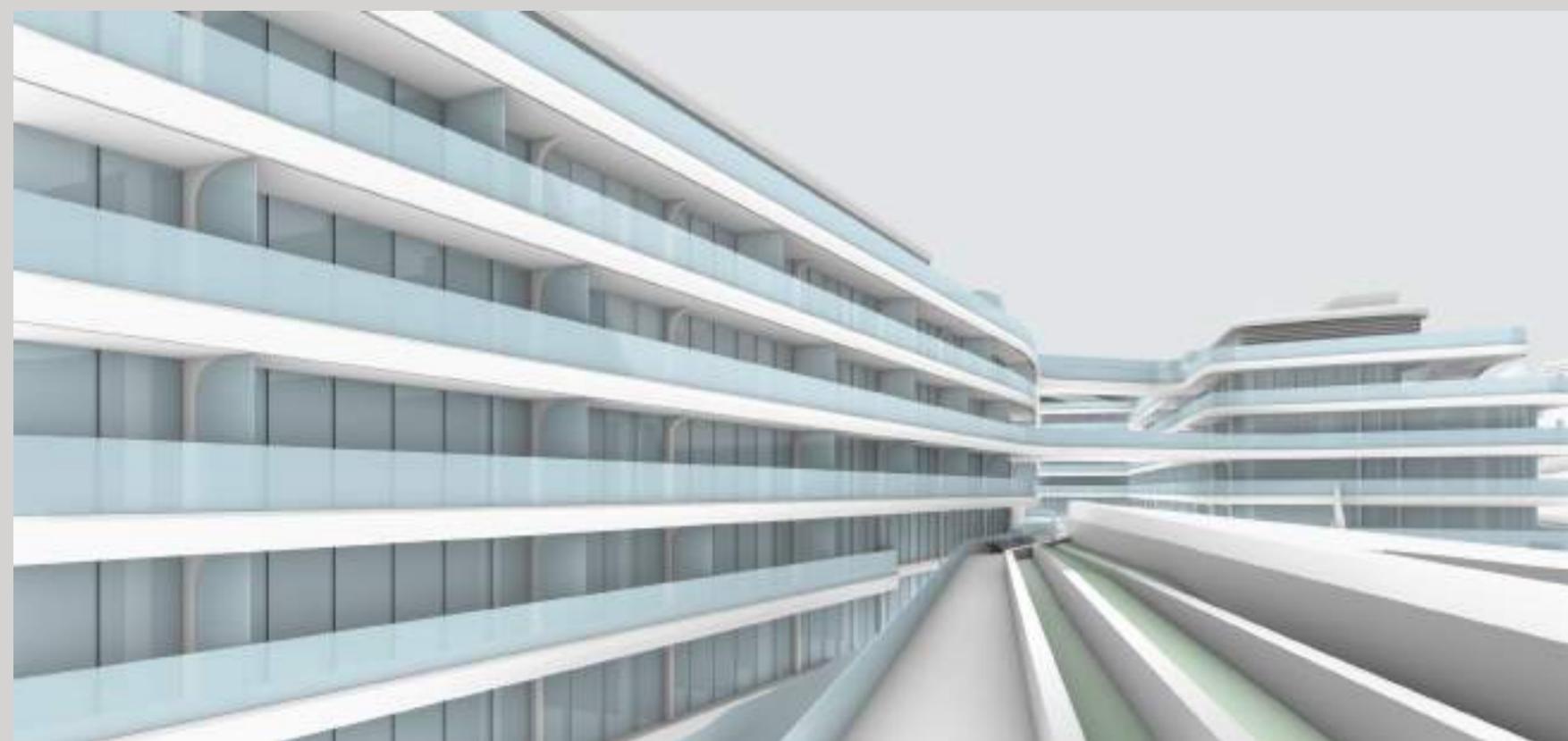


Masterplan Diagram - Level 135' ft

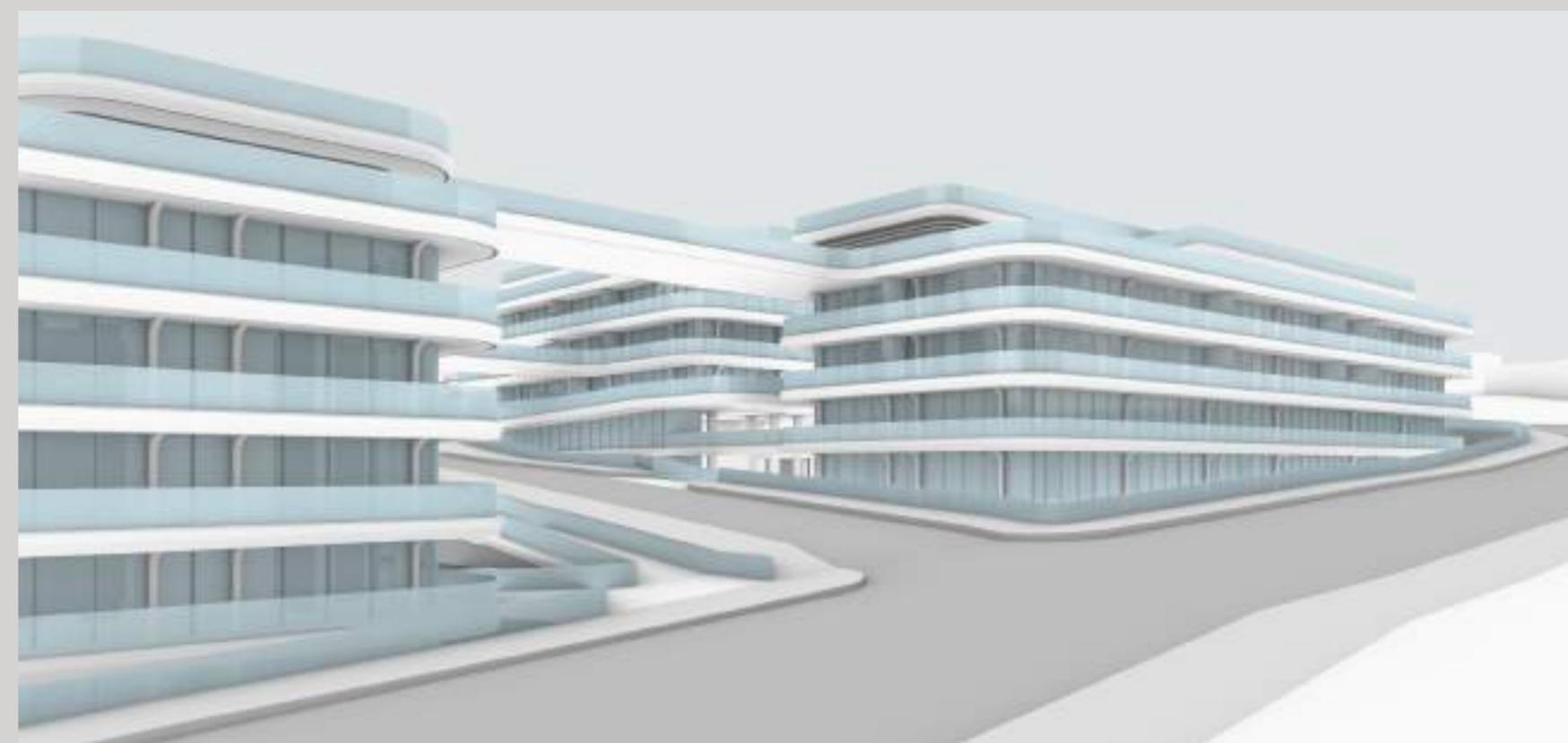


Masterplan Diagram - Level 145' ft

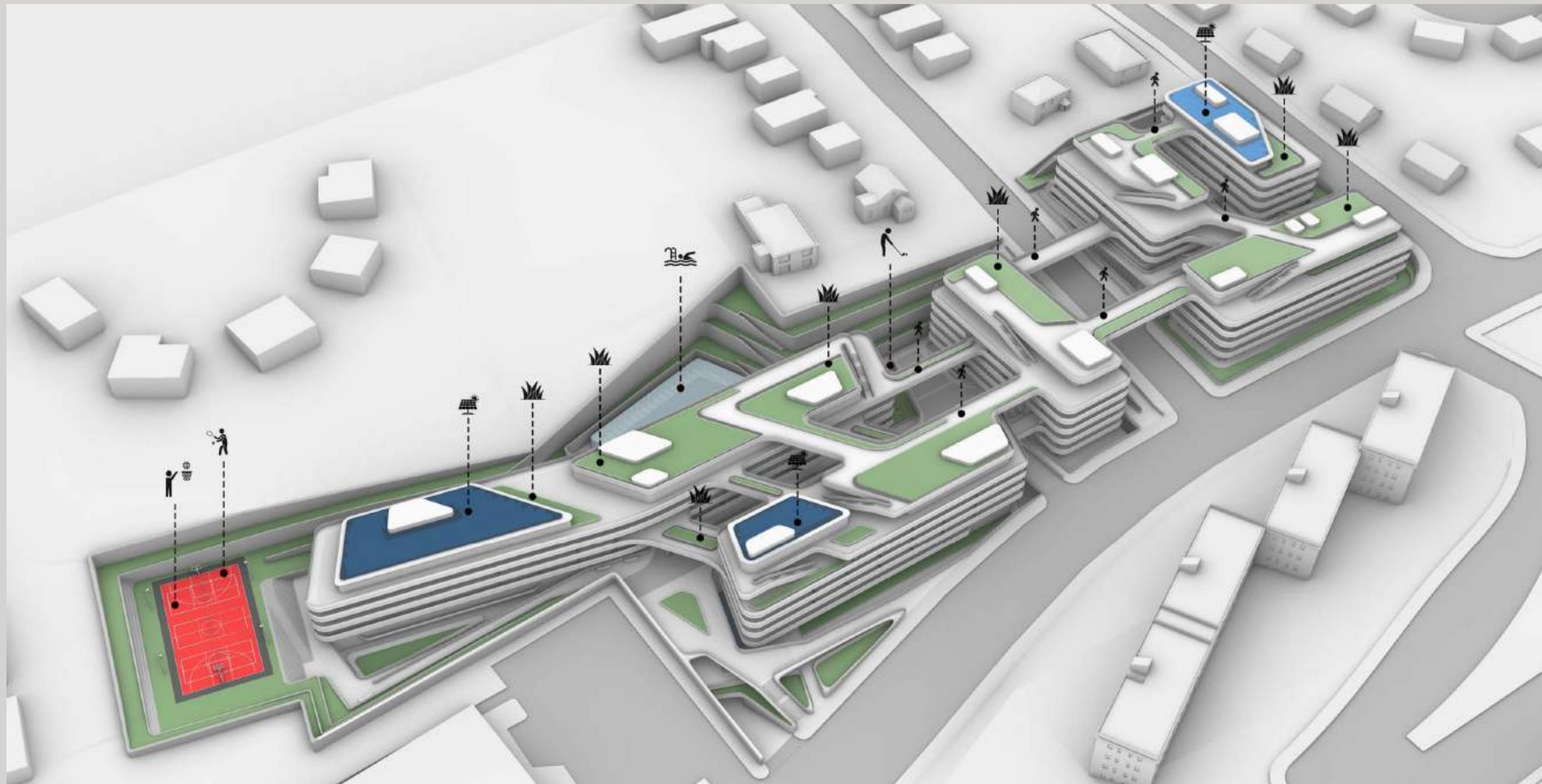
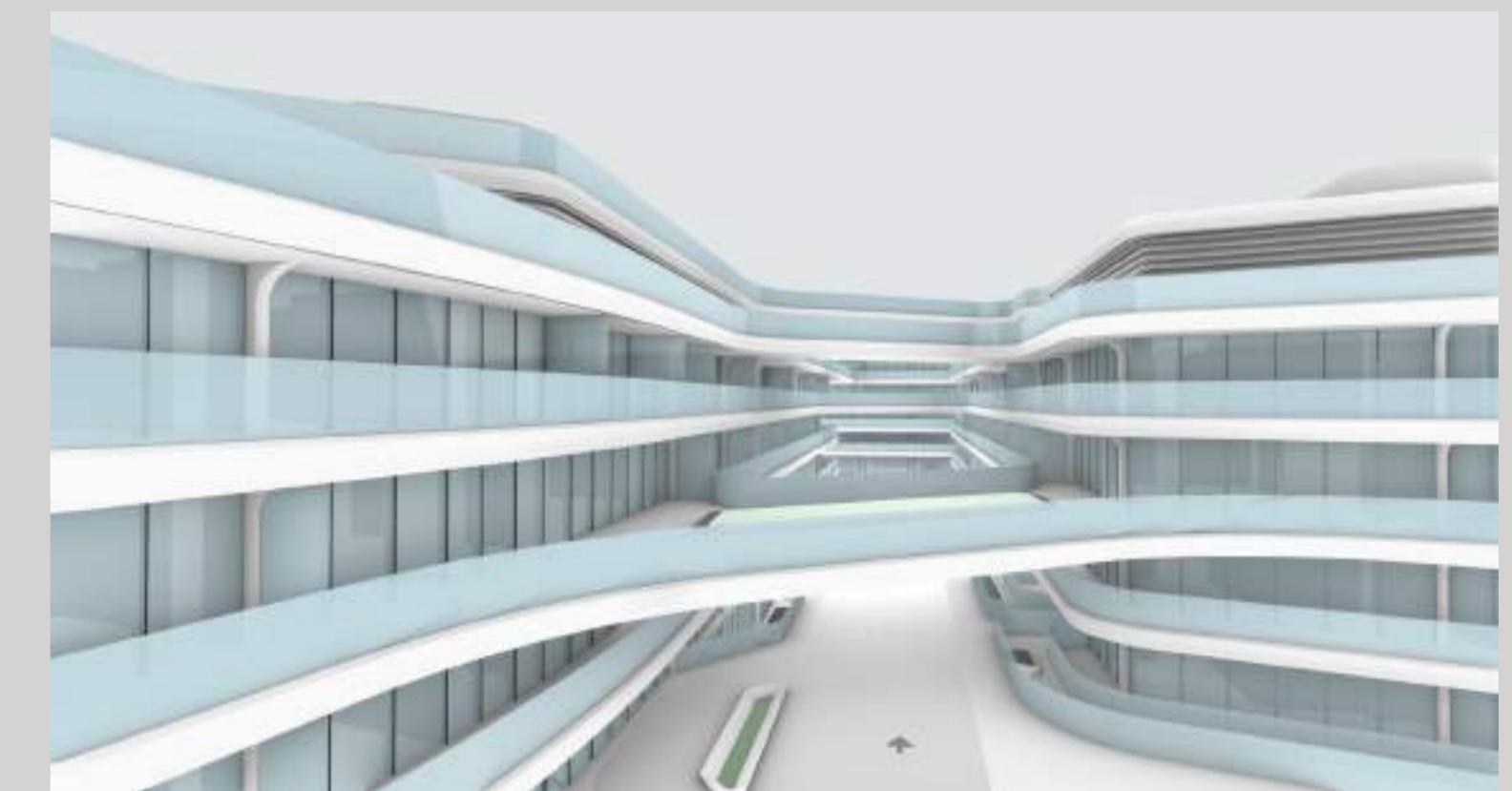




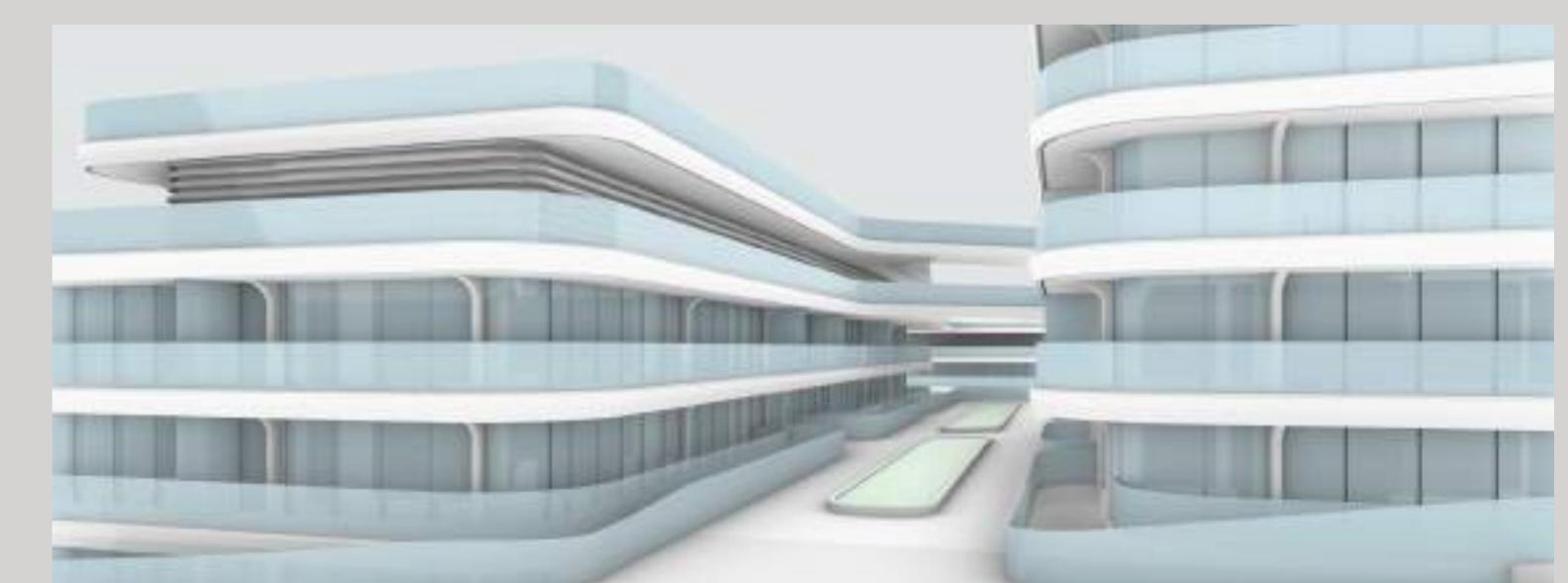
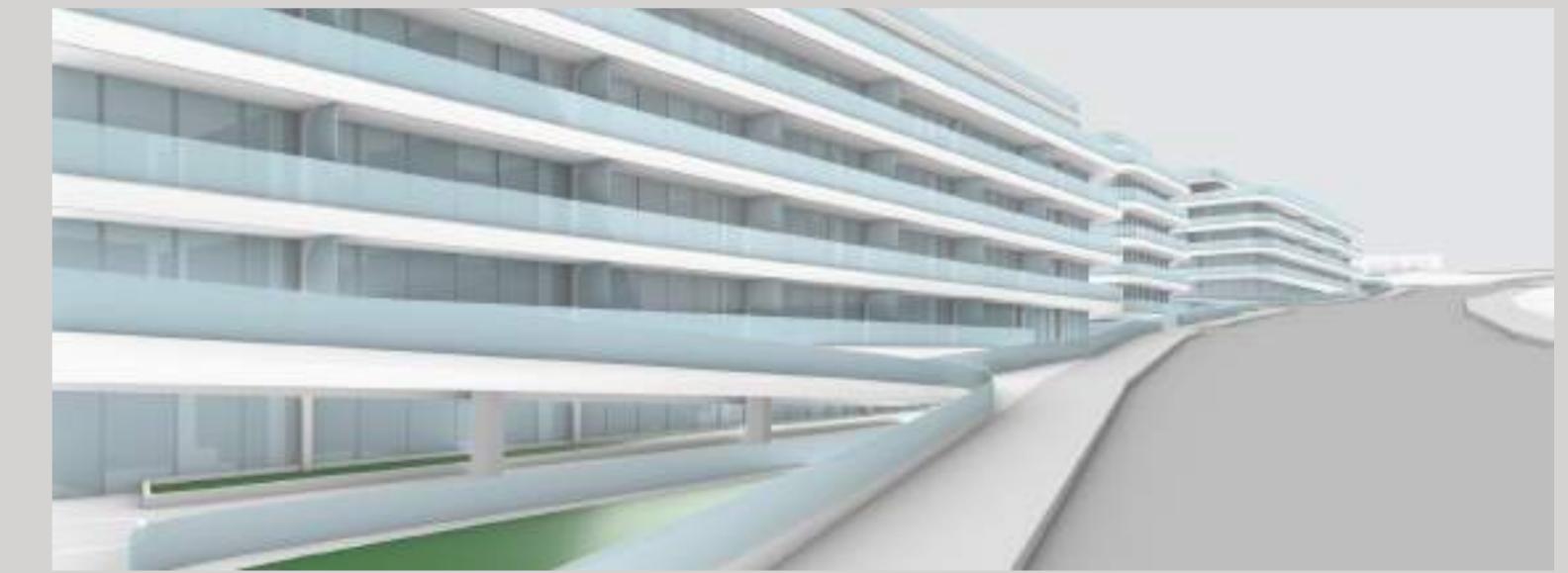
3D Model - Perspective View



3D Model - Perspective View



General Axonometry of the development



3D Model - Perspective View

02

HYATT RE-DEVELOPMENT

TOPIC: Concept & Project design.

TYPOLOGY: Mixed-use complex.

SITE: Michigan, USA.

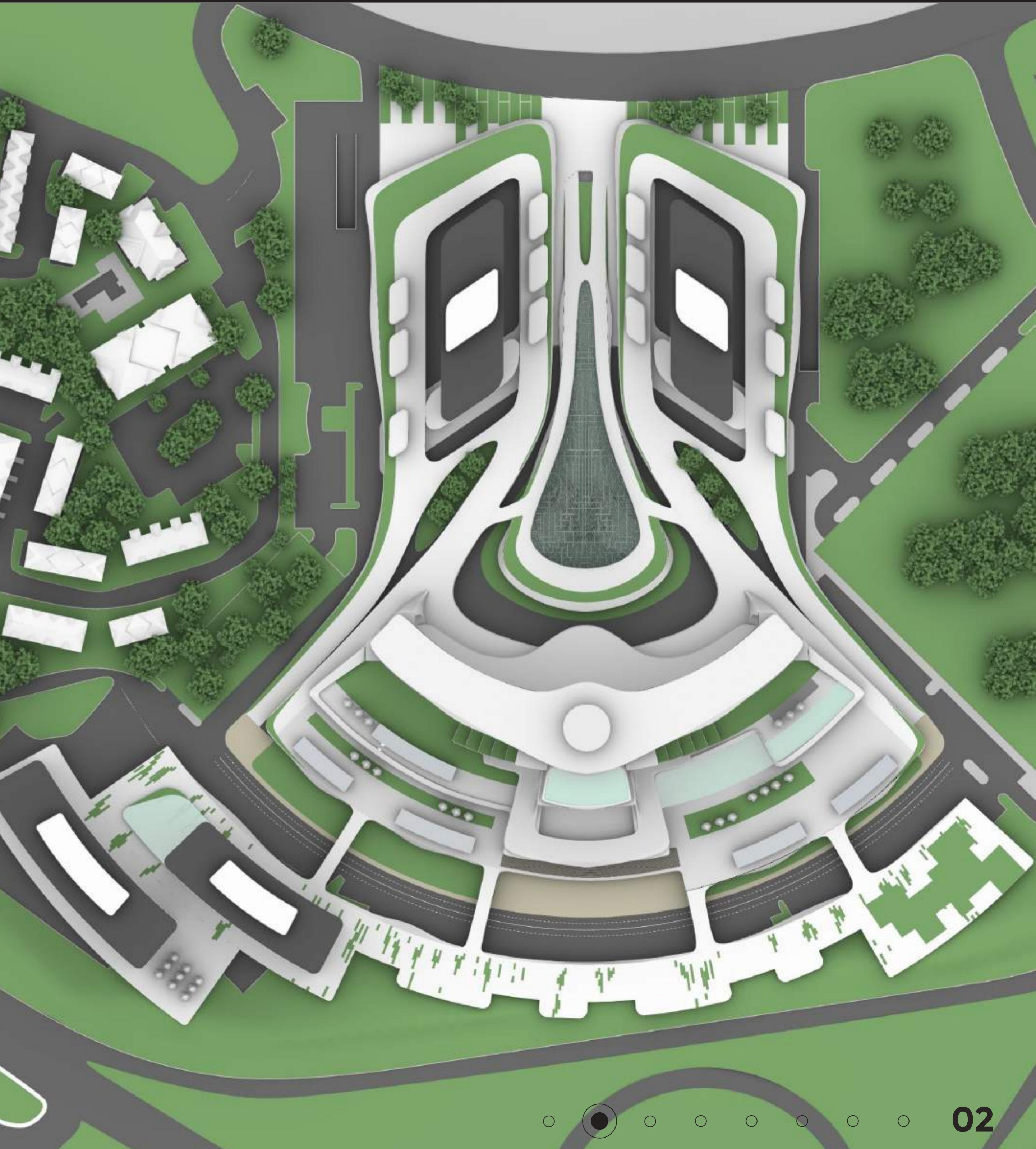
YEAR: 2023.

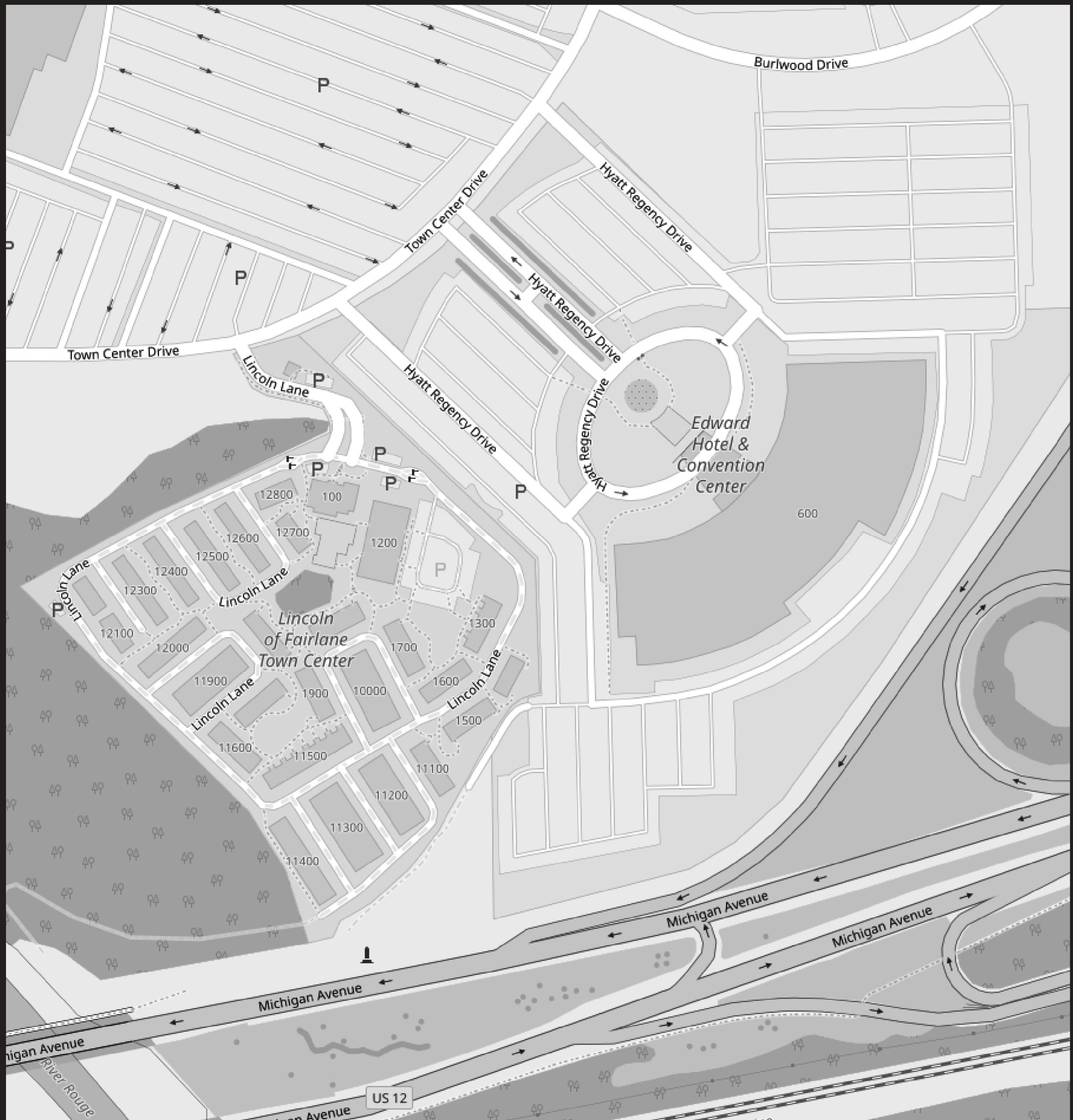
STUDIO MEMBER: SASI Studio.

TASKS: 3D Modelling, 2D Drawings, Illustrations.

The redevelopment project encompasses a comprehensive transformation, involving the rehabilitation, change in occupancy, and substantial additions and alterations to the original building, which dates back to the 1970s. The multifaceted project features a diverse range of program components, including predominantly residential units complemented with retail spaces, sports areas, parking areas, event hall, and ball room.

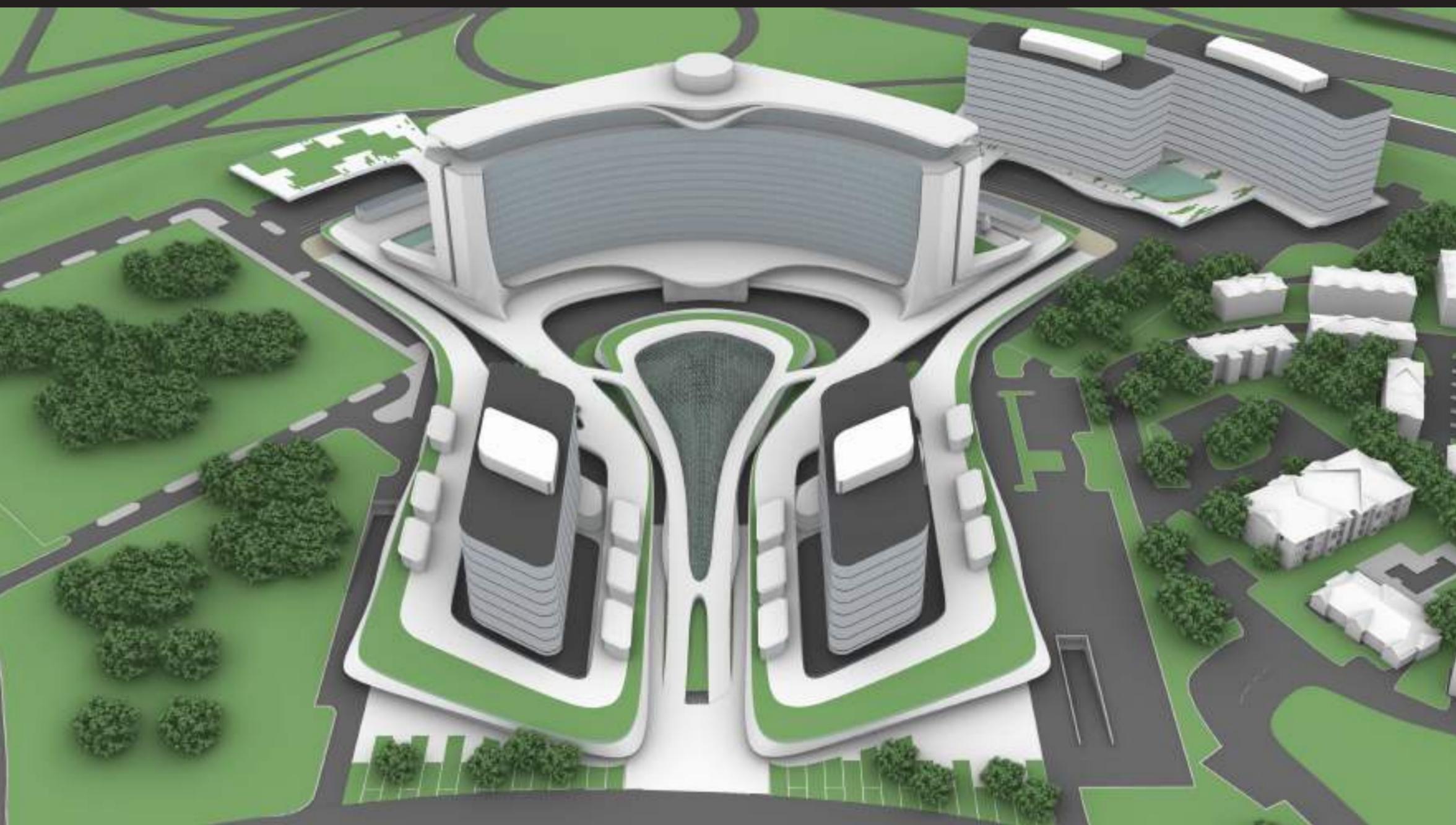
The central main building consist of 18 floors while buildings A & B have 10 floors each, and buildings C & D with 12 floors each. All of them are connected by a pedestrian platform seamlessly merging with the landscape offering a constant circulation through all the development.





Site Plan

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3D Model - Perspective View



3D Model - Perspective View

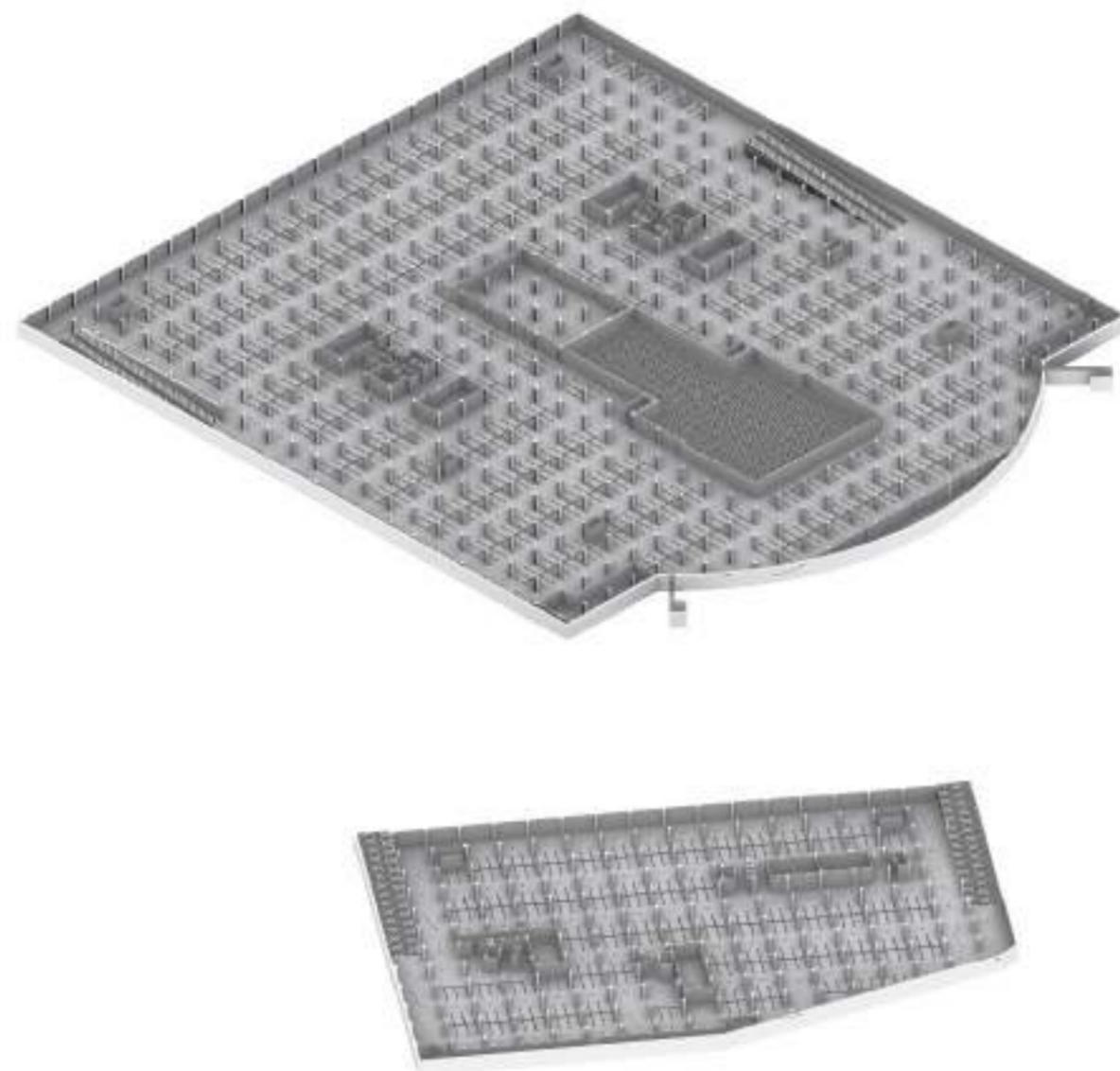


3D Model - Perspective View



3D Model - Perspective View

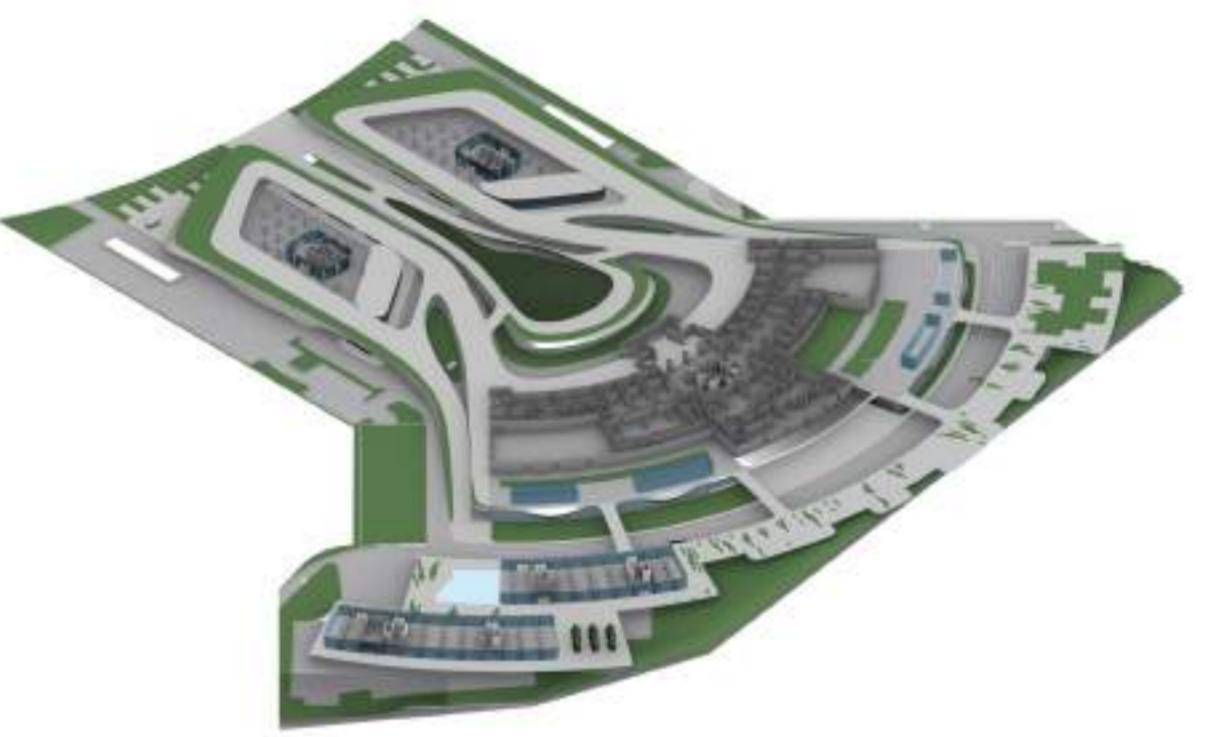




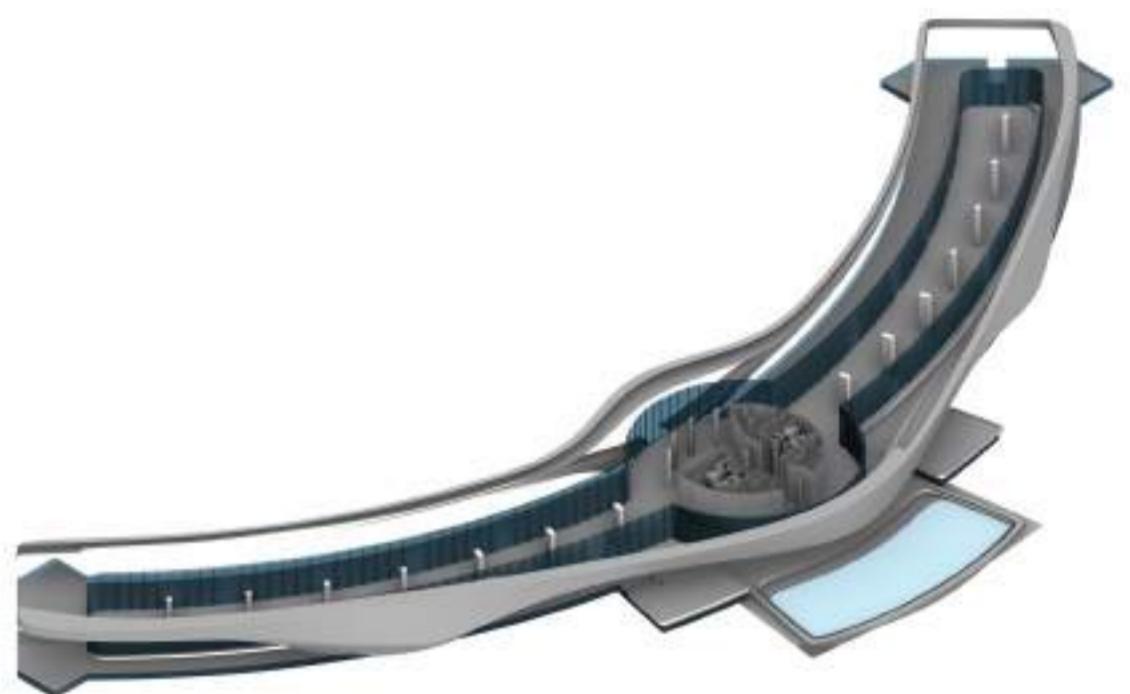
Axonometry of parking basement



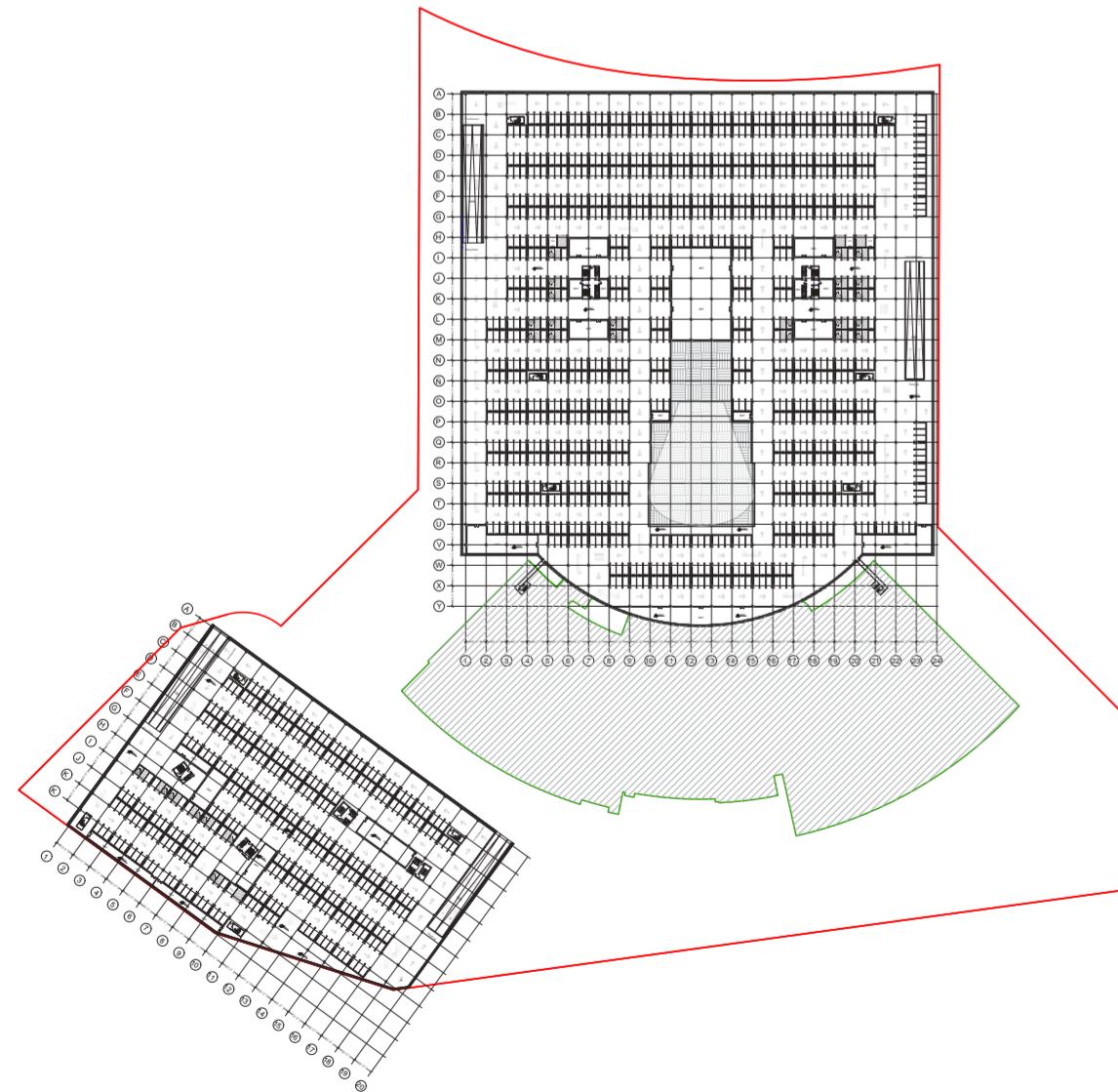
Axonometry of ground floor



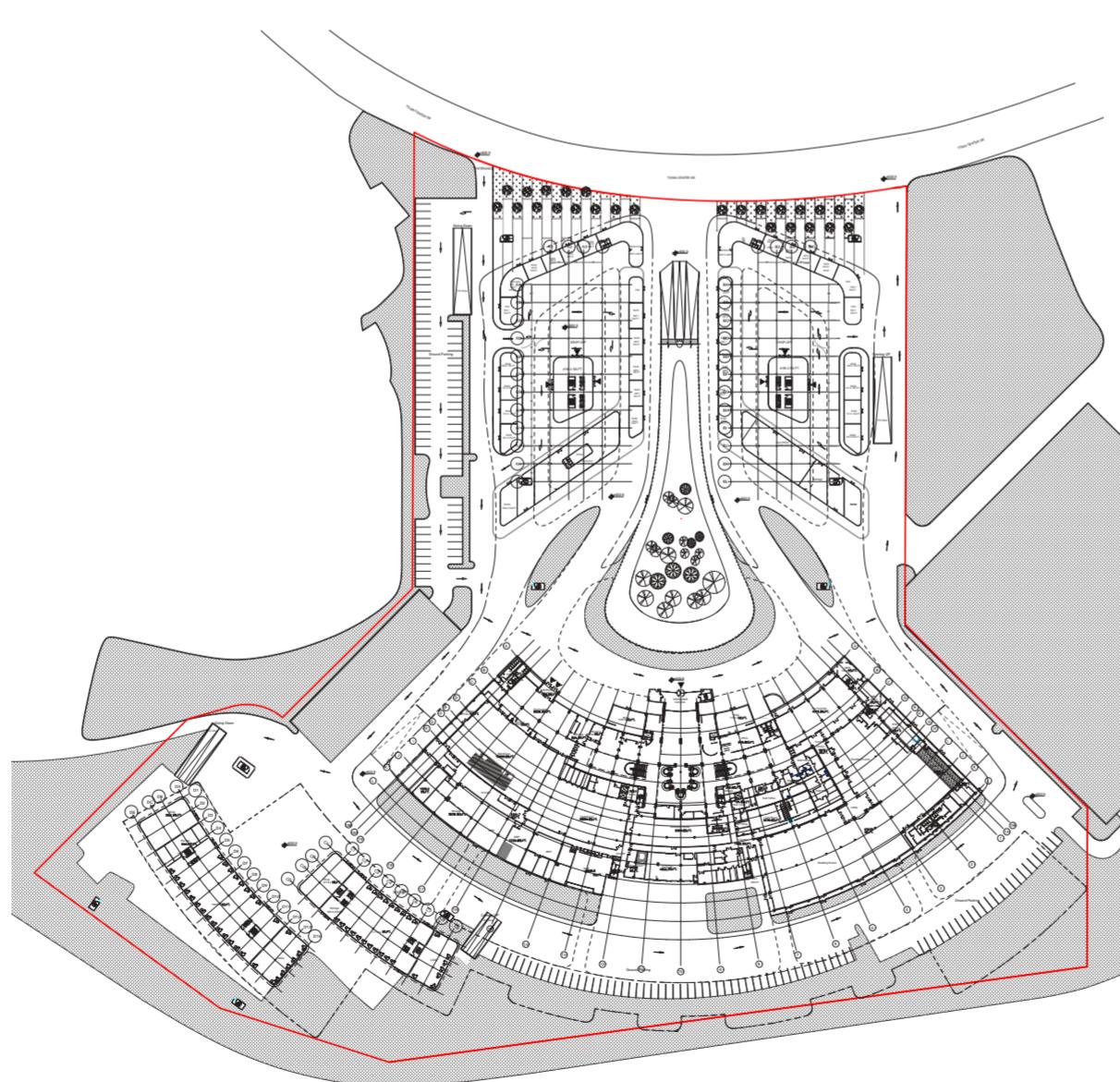
Axonometry of podium level



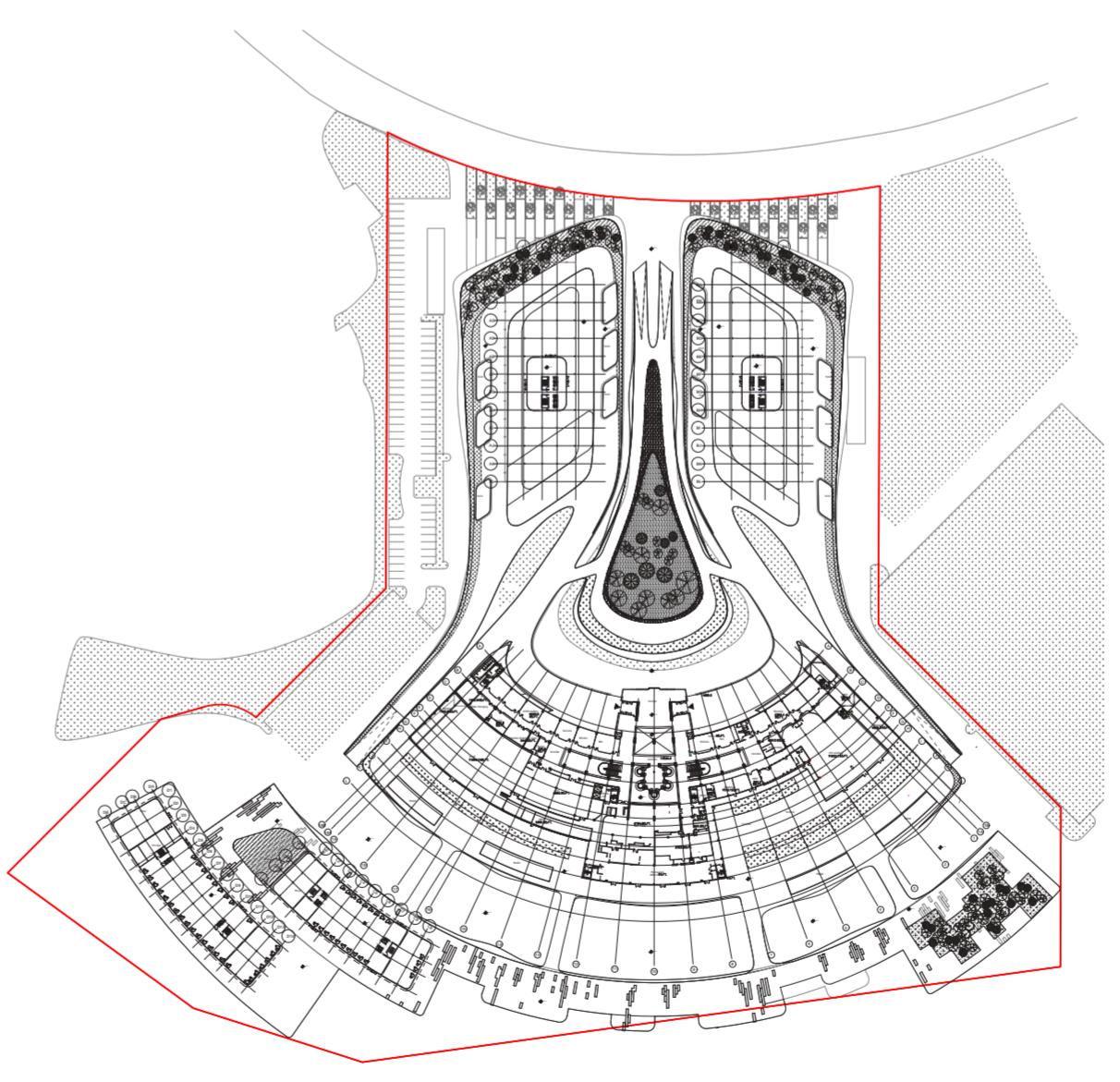
Axonometry of rooftop level



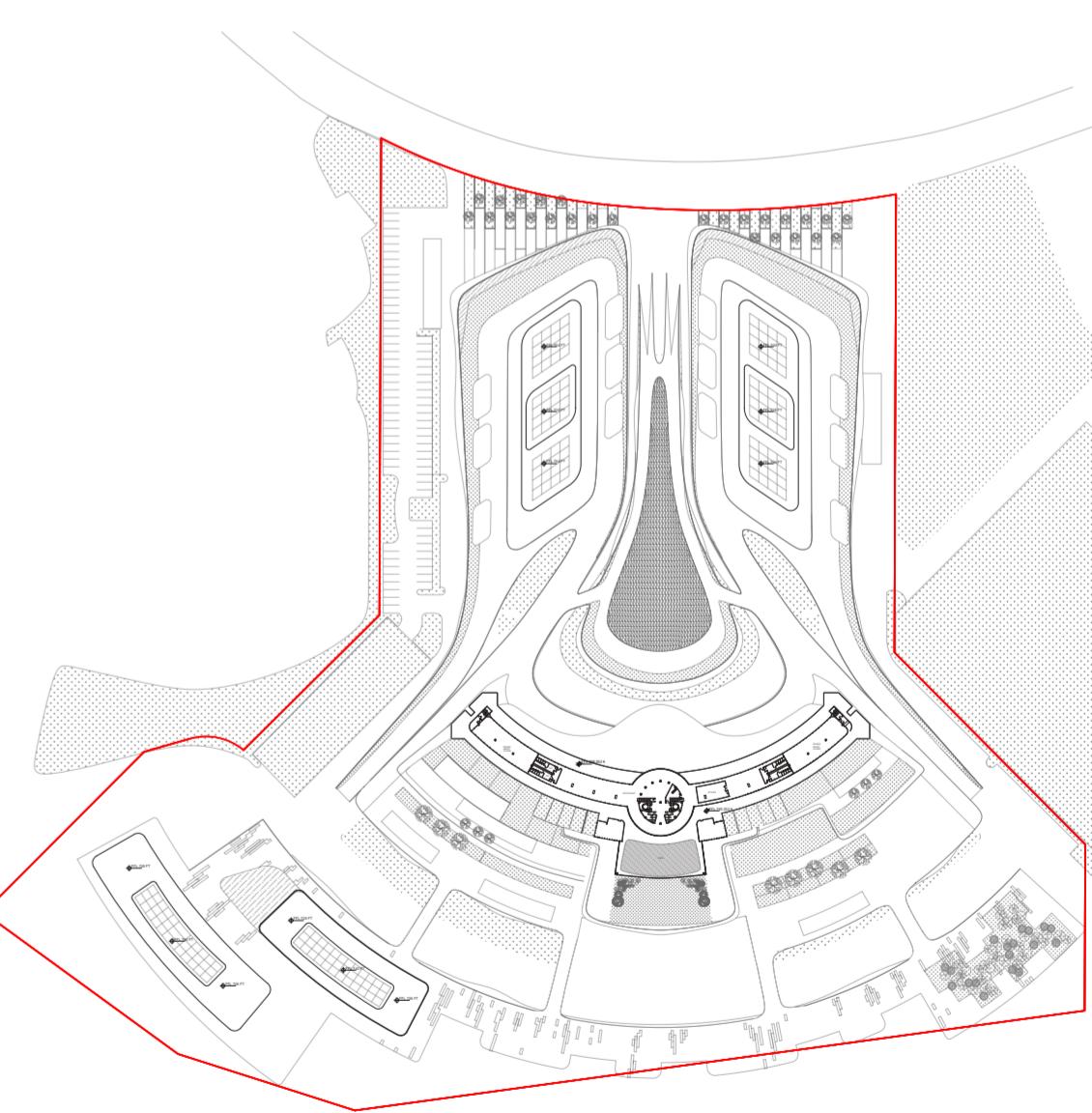
Plan of parking basement



Plan of ground floor



Plan of podium level



Plan of rooftop level



03

RE - DESCRIBING THE OLIVETTI TOWER

TOPIC: Project design

TYPOLOGY: Mixed-use complex.

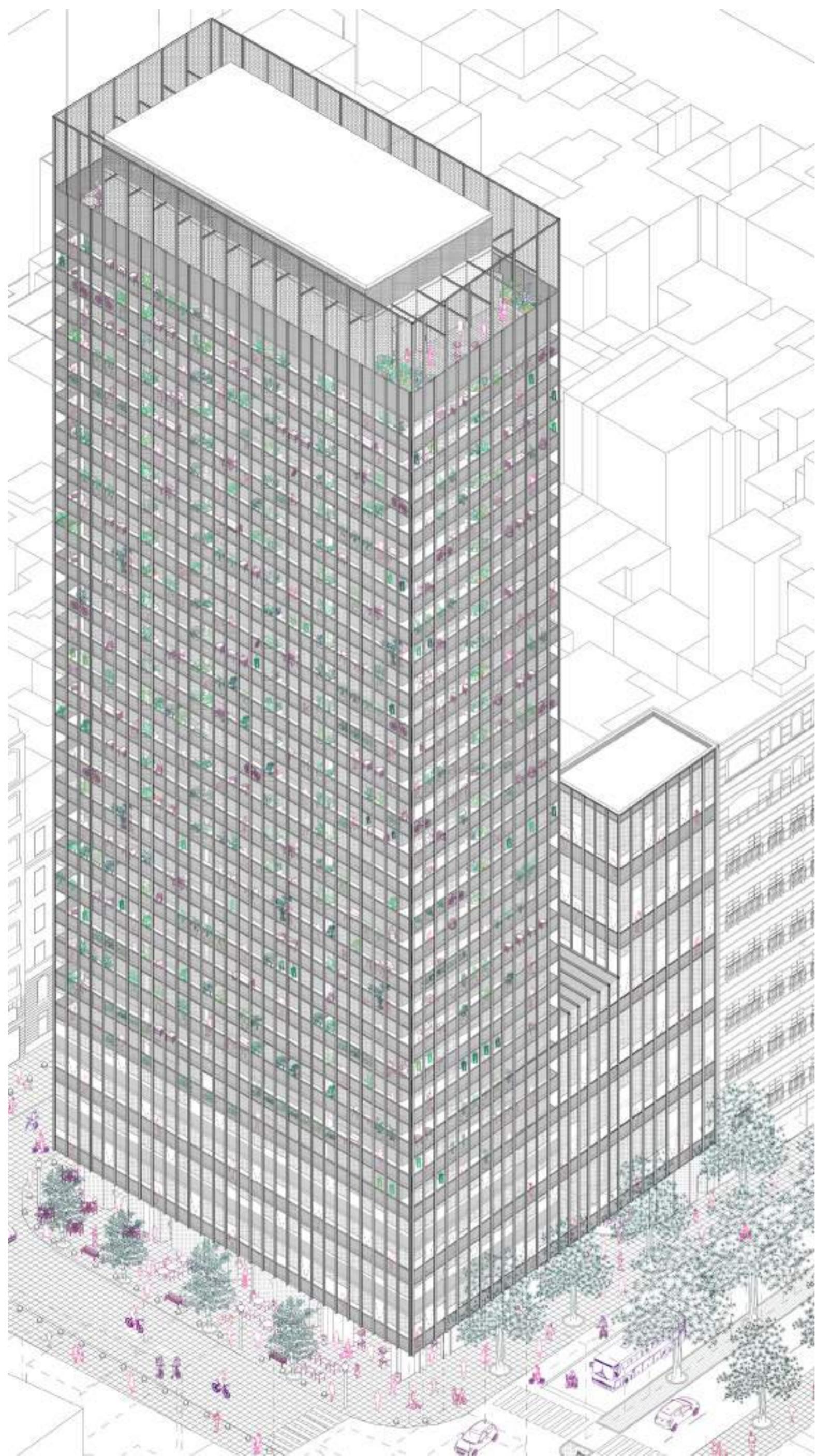
SITE: Buenos Aires, Argentina.

YEAR: 2022

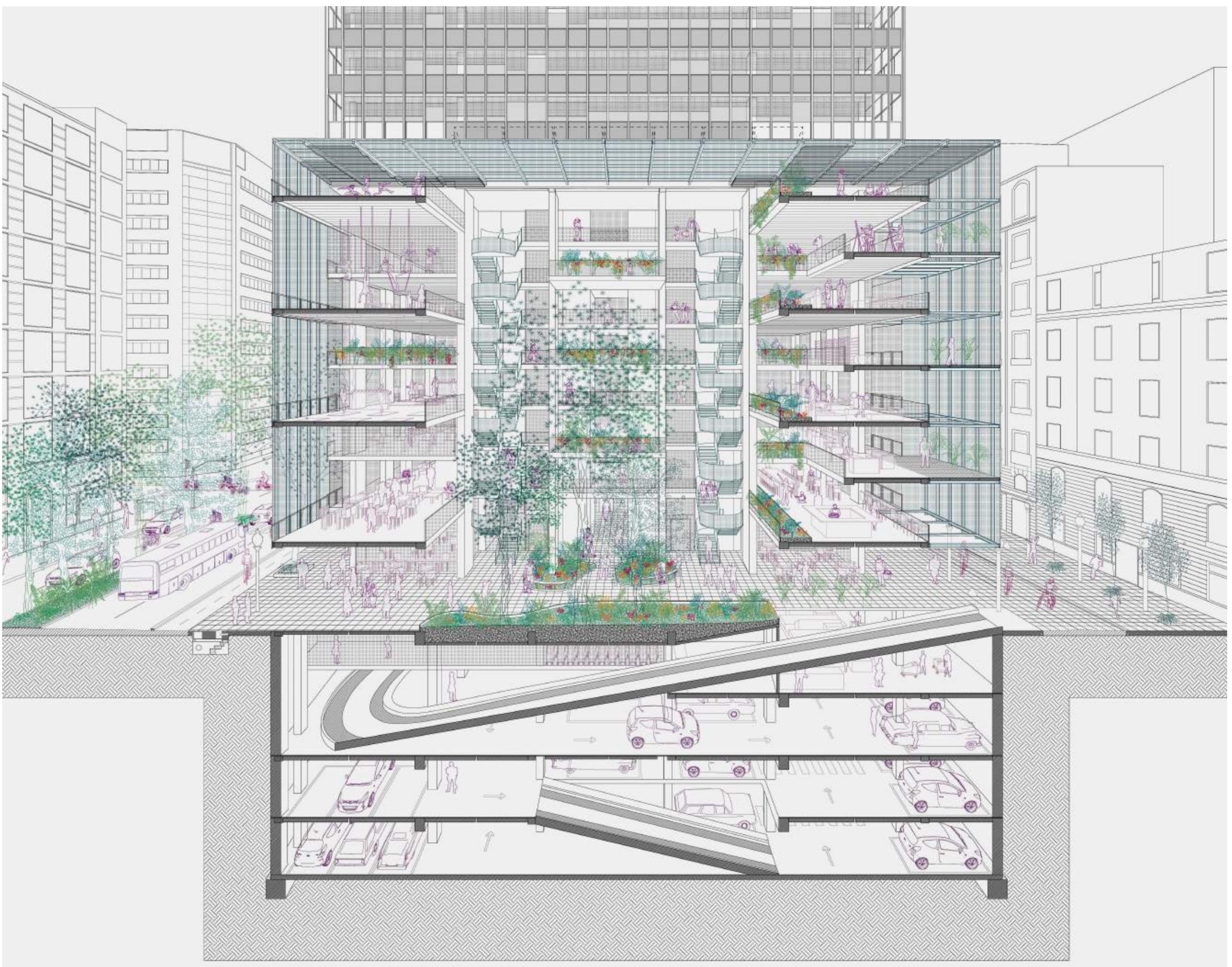
In the face of the conditions caused by the pandemic and the new conception of workspaces, many companies abandoned their corporate headquarters, leaving the Microcentro of Buenos Aires deserted. As a consequence, there are currently numerous office buildings, semi-empty, deserted sidewalks, and closed stores.

In response, the objective of the thesis is the development of a Re-functionalization and Re-materialization project, taking the Olivetti tower as a case study and experiment. This tower is a typological example of other towers in the area with similar conditions and character.

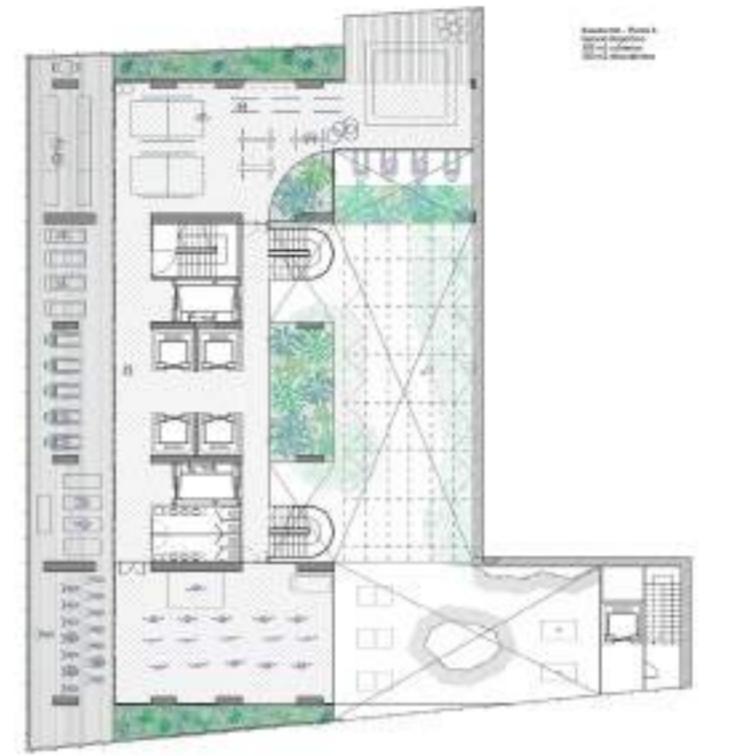
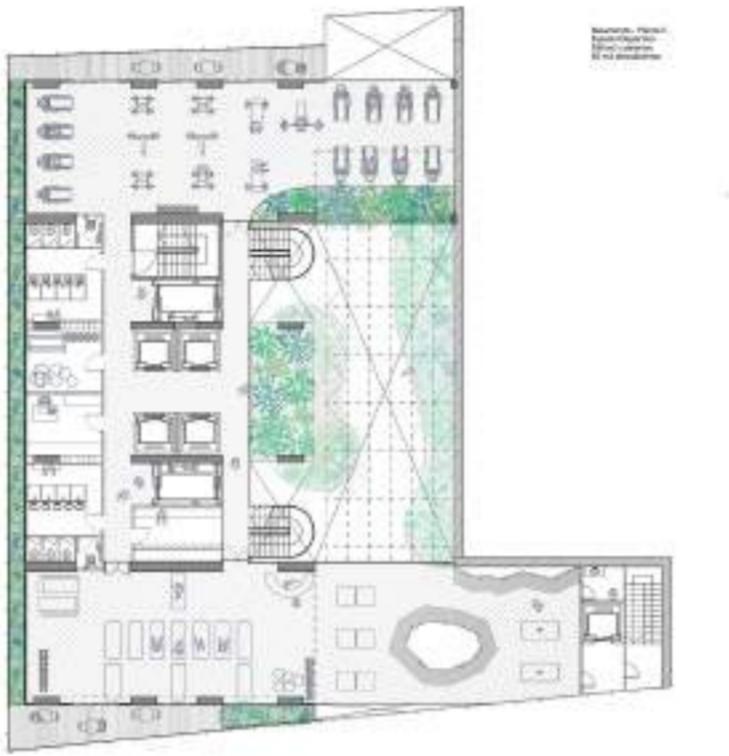
Finally, project operations related to social, climate, and technical themes are proposed that can be systematically replicated in new towers. In summary, four main project strategies were implemented: a change in programmatic use, a typological change in volumetric composition through hollowing out, then a technical and climate update of the envelope, and finally the creation of technical walls that reorganize typical and rigid office floors.



Axonometry of the overall volume of the tower



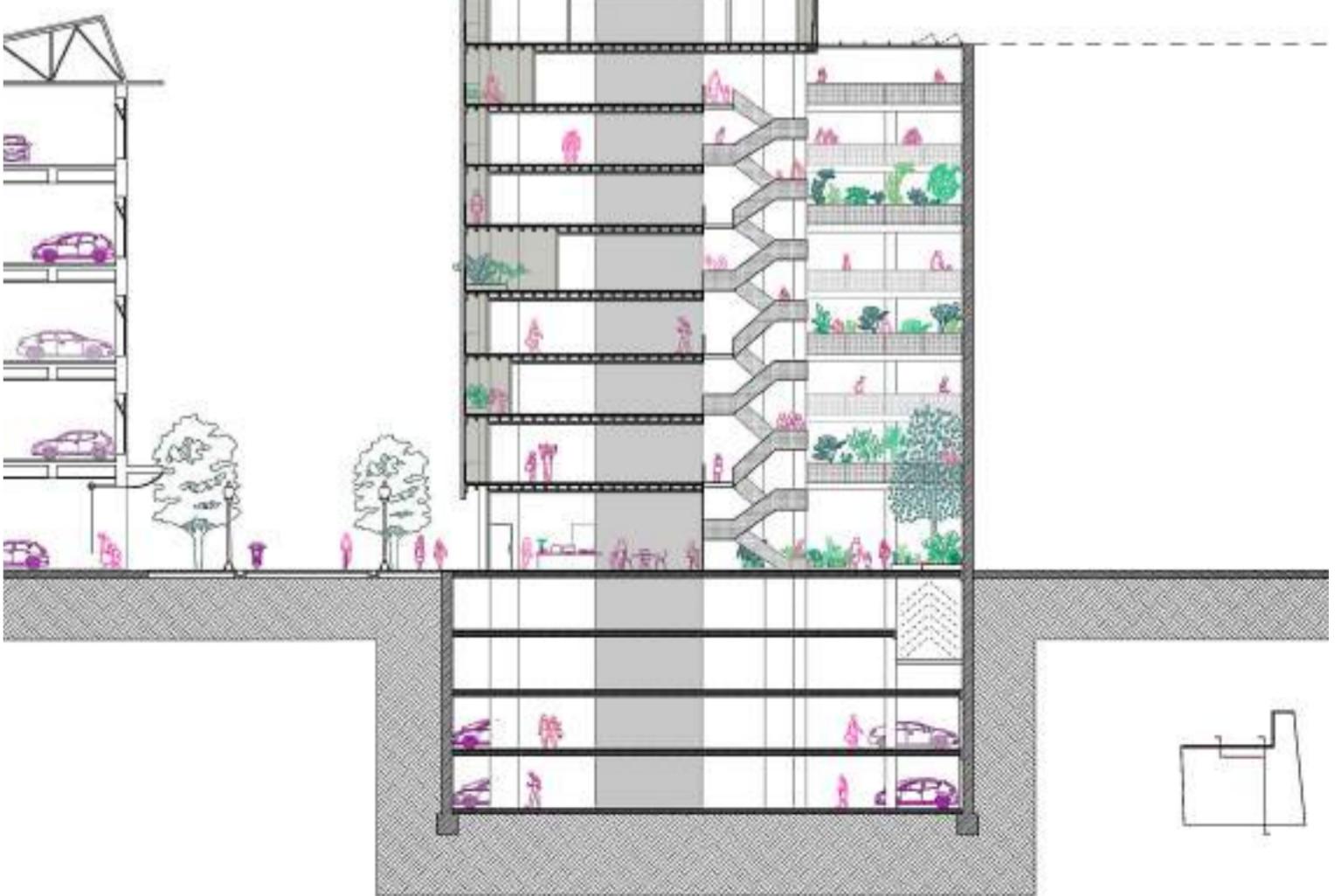
Perspective section of the inner urban garden



Catalog of plants in the inner urban garden



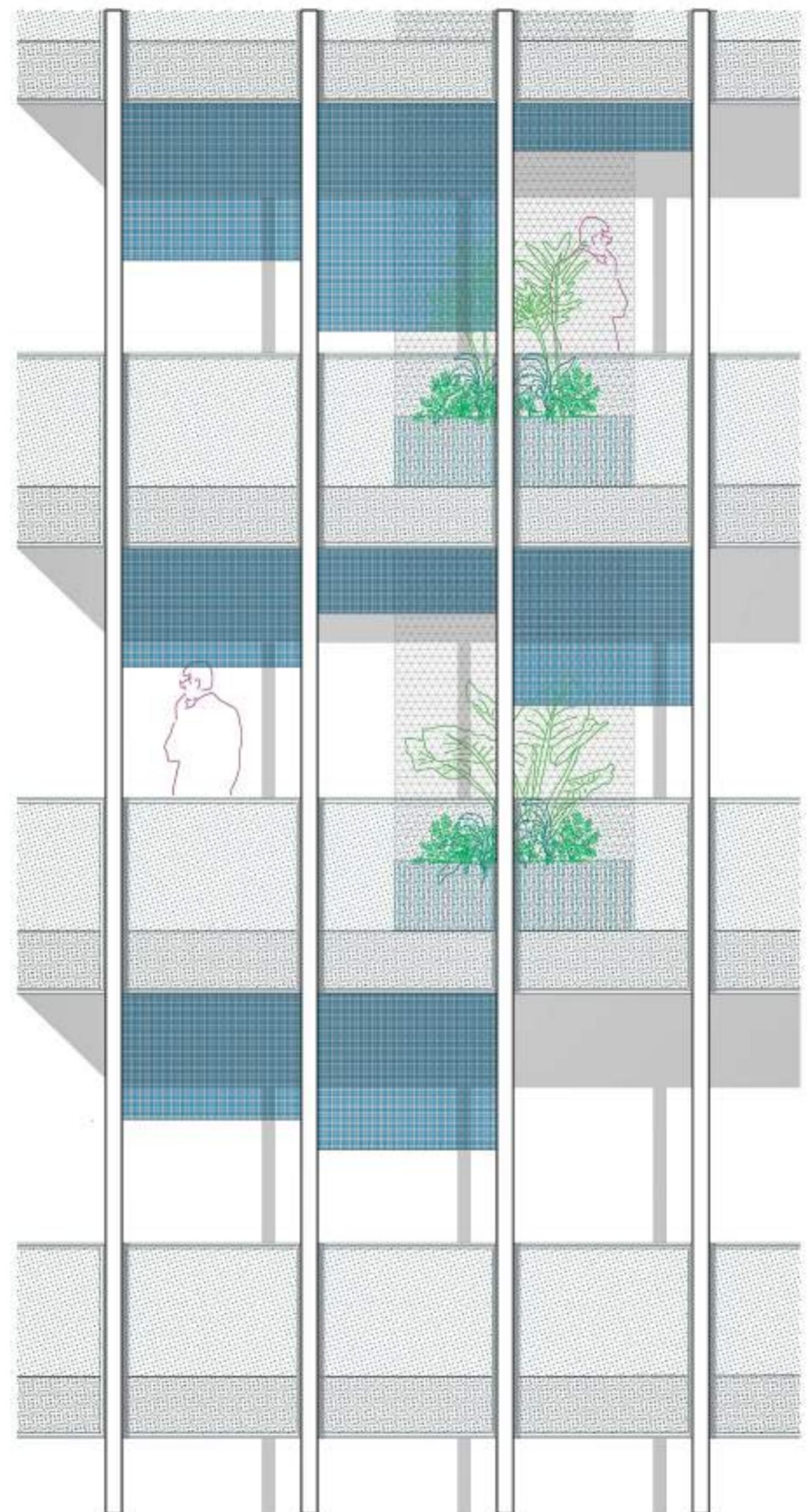
Visualization of the inner urban garden



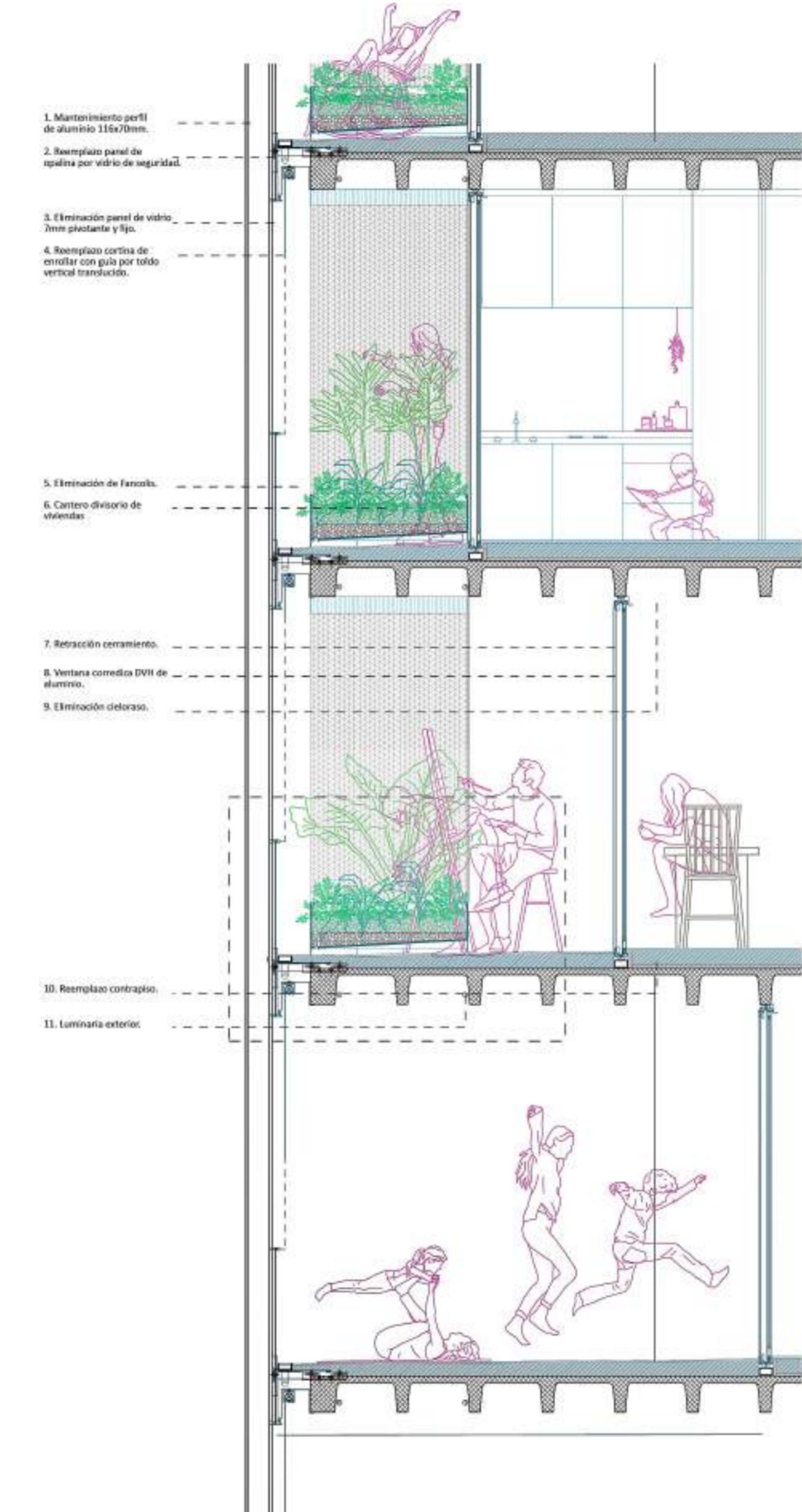
Transversal section of the tower



Exterior visualization of the tower



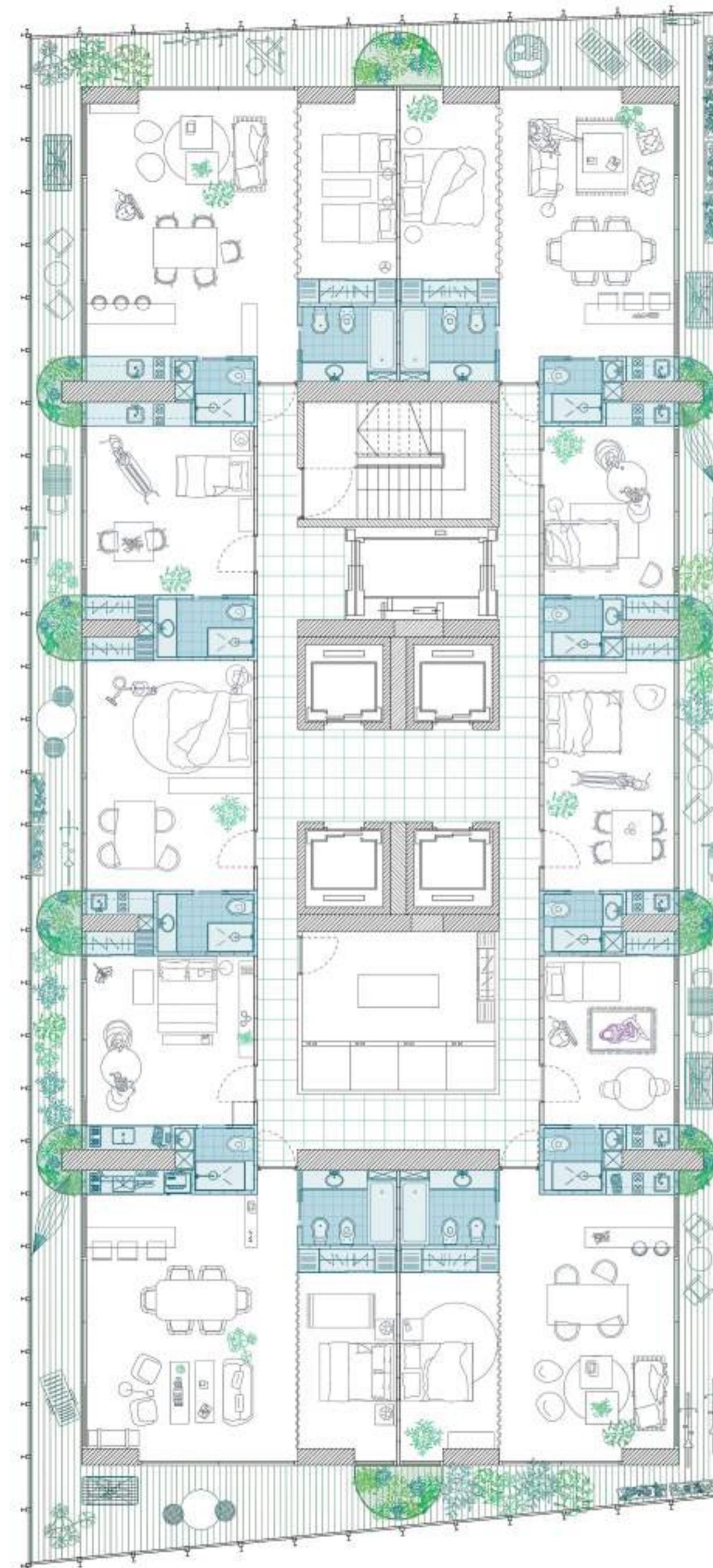
Re-formulation of the envelope in view



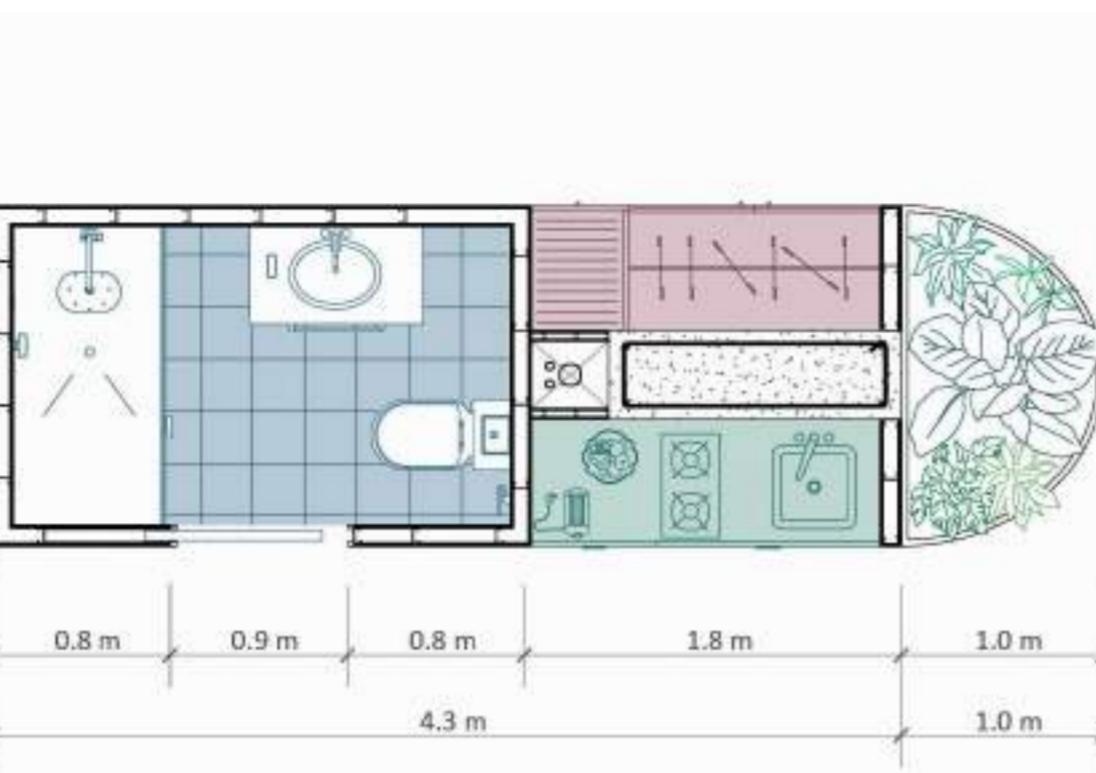
Re-formulation of the envelope in section



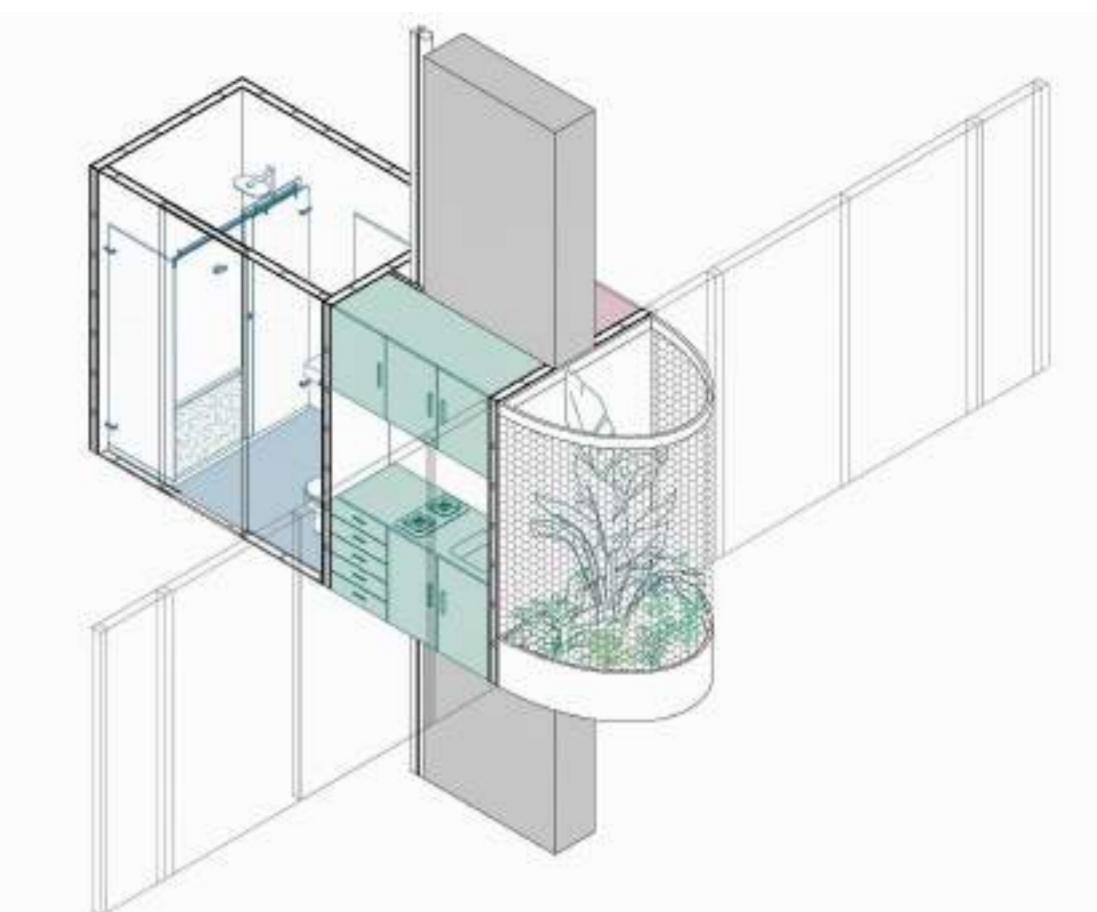
Re-formulation of the envelope in axonometry



Typological plan of housing with technical walls



Detailed plan of a technical wall



Detailed axonometric of a technical wall



Visualization of typological housing

04

CORPORATIVE BOXES

TOPIC: Project design.

TYPOLOGY: Corporate headquarters.

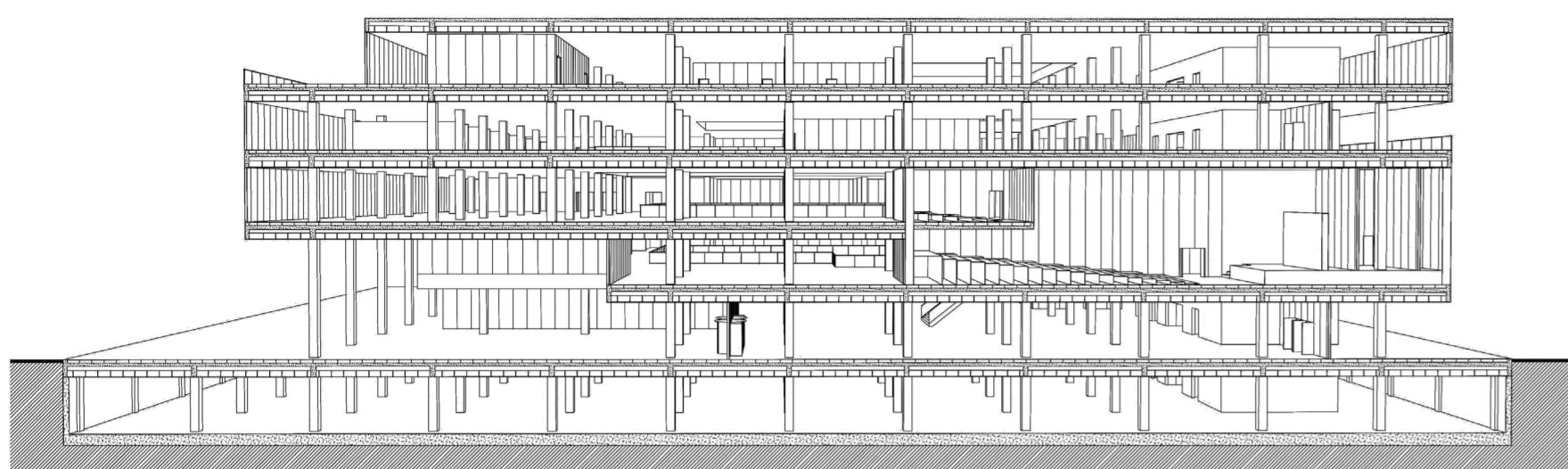
SITE: Buenos Aires, Argentina.

YEAR: 2019.

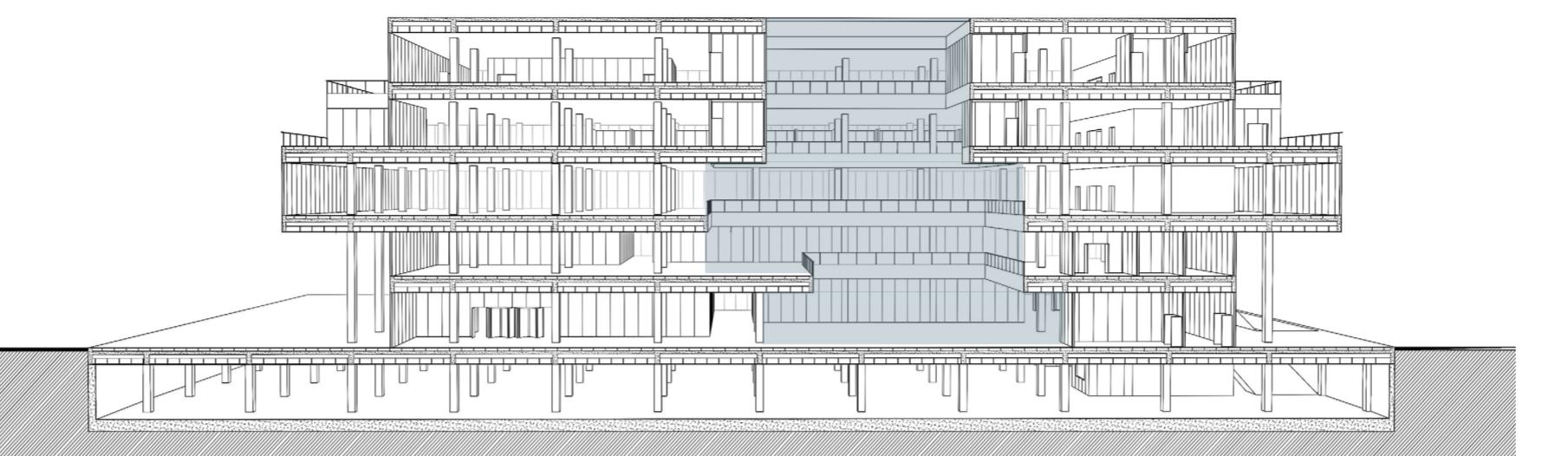
The project consists of the development of a corporate office building. It is located in a residential neighborhood surrounded by a series of urban parks situated along Figueroa Alcorta Avenue, of great relevance and flow. The design decisions will be focused on the correct adaptation to the environment. The main design strategies respond to two morphological operations: the lateral displacement of volumes and the conceptual play of solids and voids. The resulting volumetry is the consequence of the combination of these two variants that were approached from an appropriate perspective to the context and the architectural program.

An example of this combination of operations is the positioning of the project in plan and its hierarchical arrangement of access points. The project intentionally seeks to open up to the intersection of Figueroa Alcorta Avenue with Juramento Street, as they are the arteries with the highest flow. The volumes are displaced towards the opposite end to allow the space to be freed up, which, thanks to the play of solids and voids, generates a double height as the main access point. These same displacements create semi-covered spaces that act as terraces arranged based on the nearby parks.

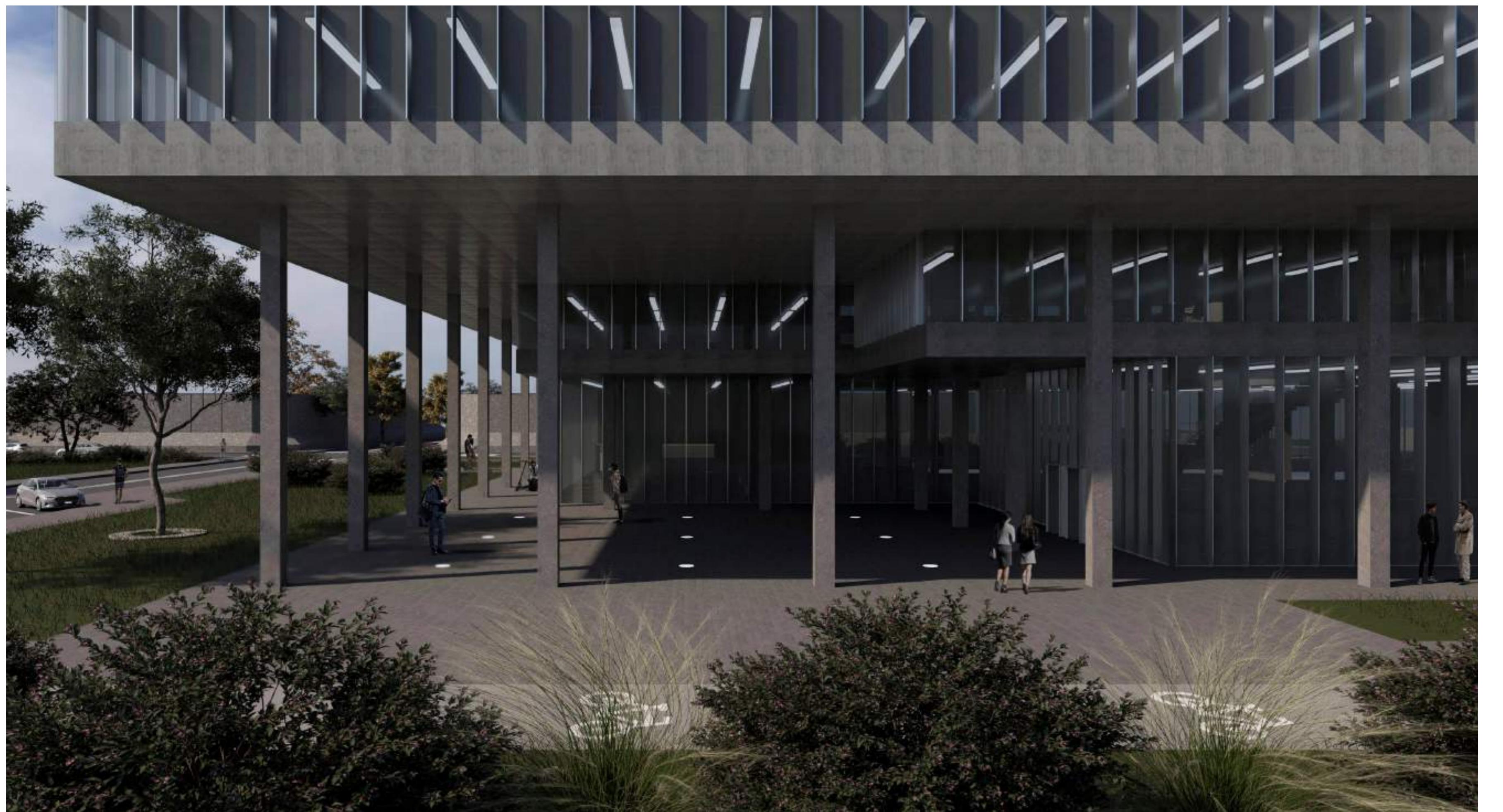




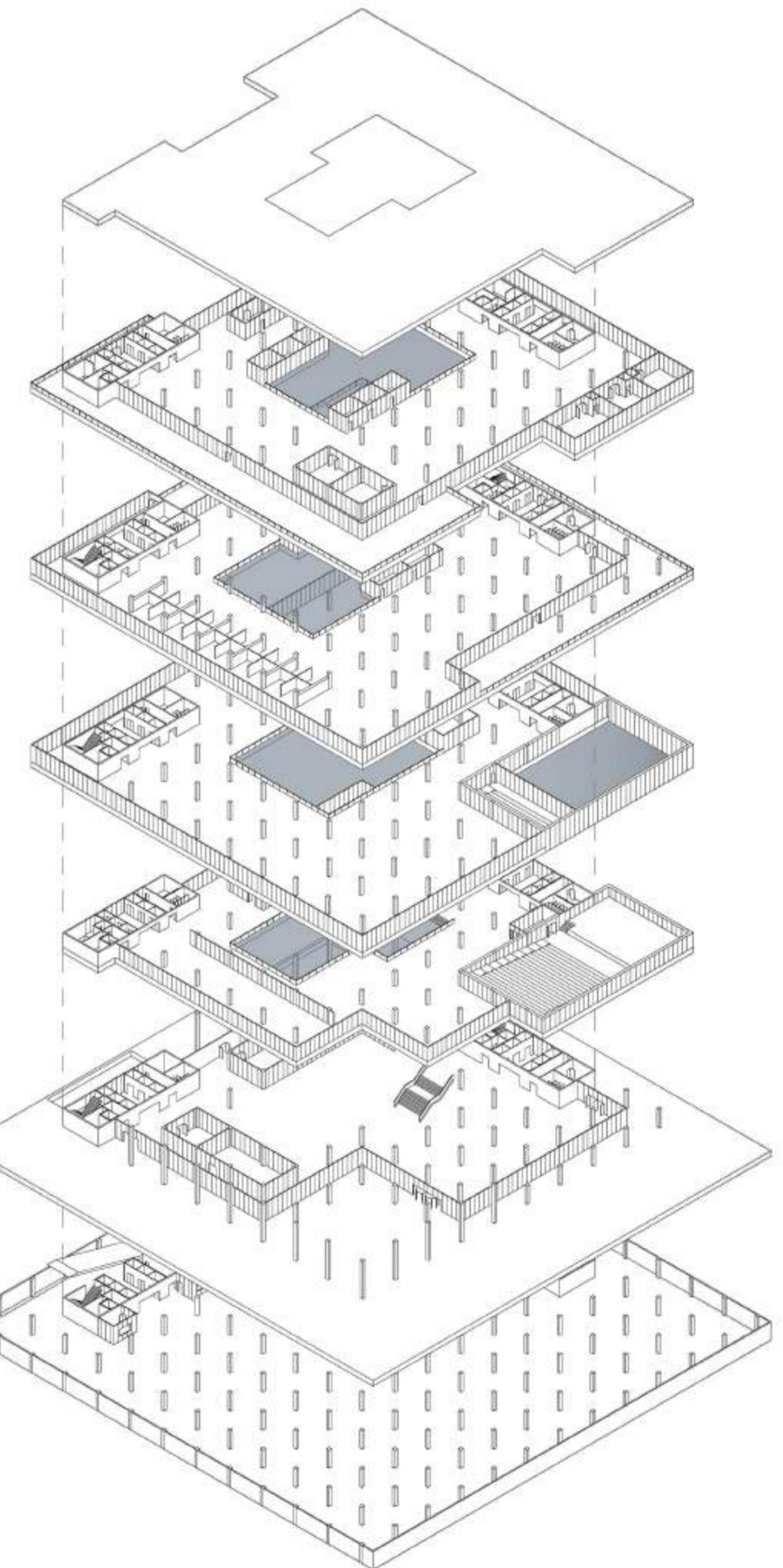
Longitudinal section



Transversal section



Pedestrian access visualization



Exploded axonometry diagram

05

BLUEGRASS CLUB & GALLERY

TOPIC: Project design.

TYPOLOGY: Mixed-use complex.

SITE: Pune, India.

YEAR: 2022.

STUDIO MEMBER: ABIBOO Studio.

The project consists of the design of a mixed-use complex aimed at an exclusive audience. This complex is located in the densely populated city of Pune in India, more precisely positioned next to the banks of the Mula Mutha River with access from two high-traffic avenues. It is a plot surrounded by a natural environment with considerable vegetation, which is a distinctive feature for a dense city.

The complex's satisfactory quality is its programmatic diversity, with its main uses being residential, recreational, and commercial. Due to the commission, the project's design is primarily focused on the low volume, meaning the podium. This podium plays a purely social role, containing sports, entertainment, and gastronomic spaces.

Regarding its volumetrics, the project's premise is to adapt to both the immediate and current context. A morphology based on organic, curved forms was proposed to suit the context's vegetation. Furthermore, the use of non-orthogonal or conventional forms responds to the volumetric diversity that characterizes contemporary architecture.





Recreational podium plan



Exterior visualization



Exterior visualization

06

BA RIVERSIDE PARK

TOPIC: Project design.

TYPOLOGY: Landscape and urban planning.

SITE: Buenos Aires, Argentina.

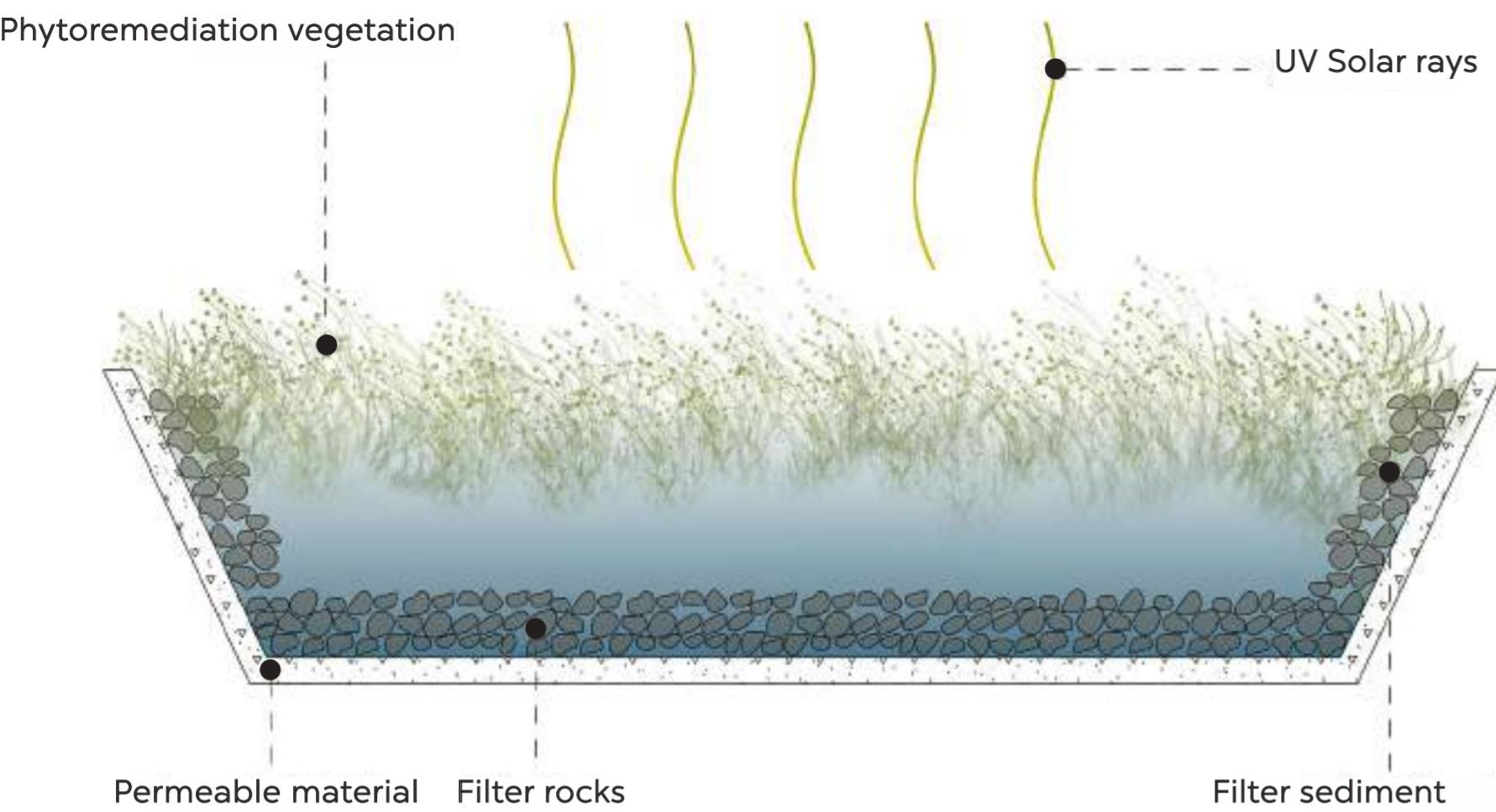
YEAR: 2020.

Buenos Aires has historically been known as a city that denies its relationship with the Rio de la Plata. Since 1975, regulations have been established to prohibit access to the use of its waters, as a result of significant pollution and contamination. Due to this, there is a lack of recreational green spaces adjacent to the river for use by citizens.

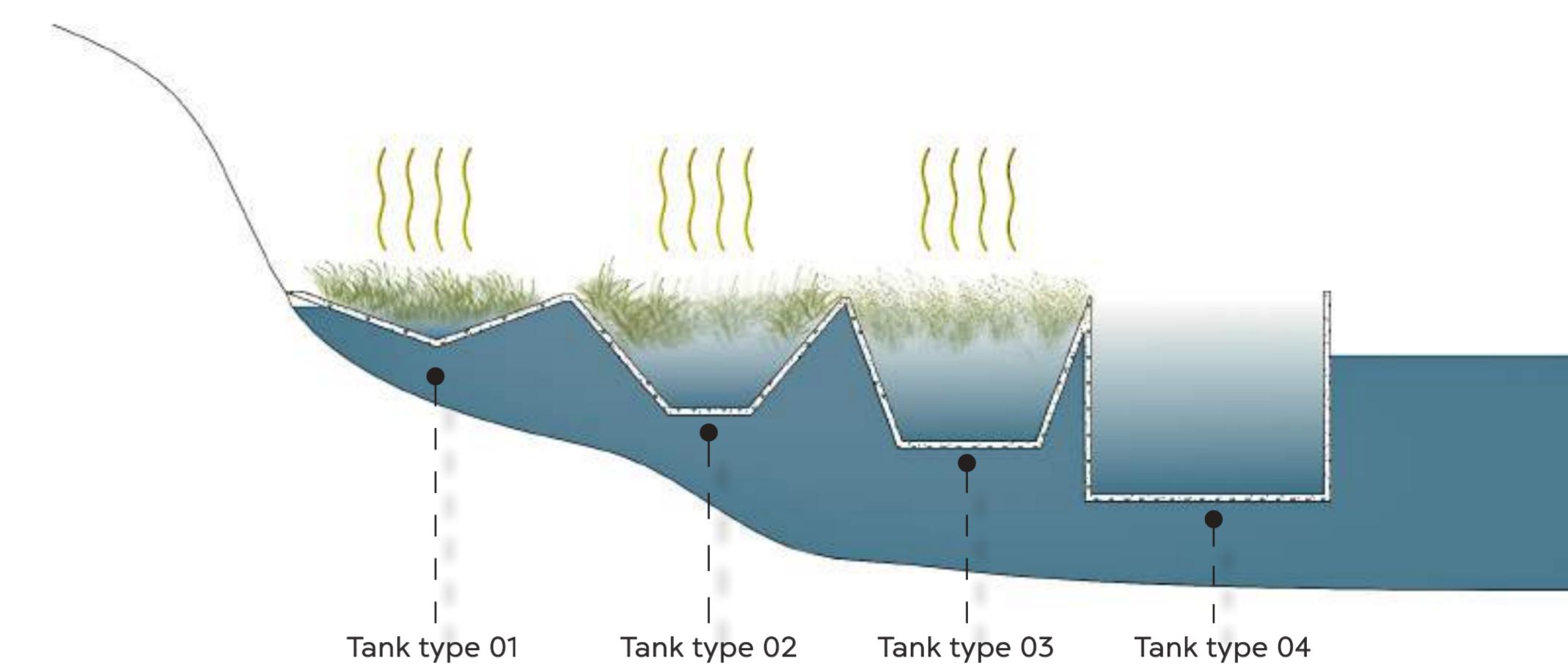
Our proposal addresses this issue that demands a revitalization of the coastline. Therefore, the main objective of the project is the purification and treatment of the city's own wastewater transported by the streams to the coast.

On the other hand, it also aims to generate public and green spaces favorable to the population, seeking to establish a close relationship with the city's coastline.





Section detail of the phytoremediation water process.

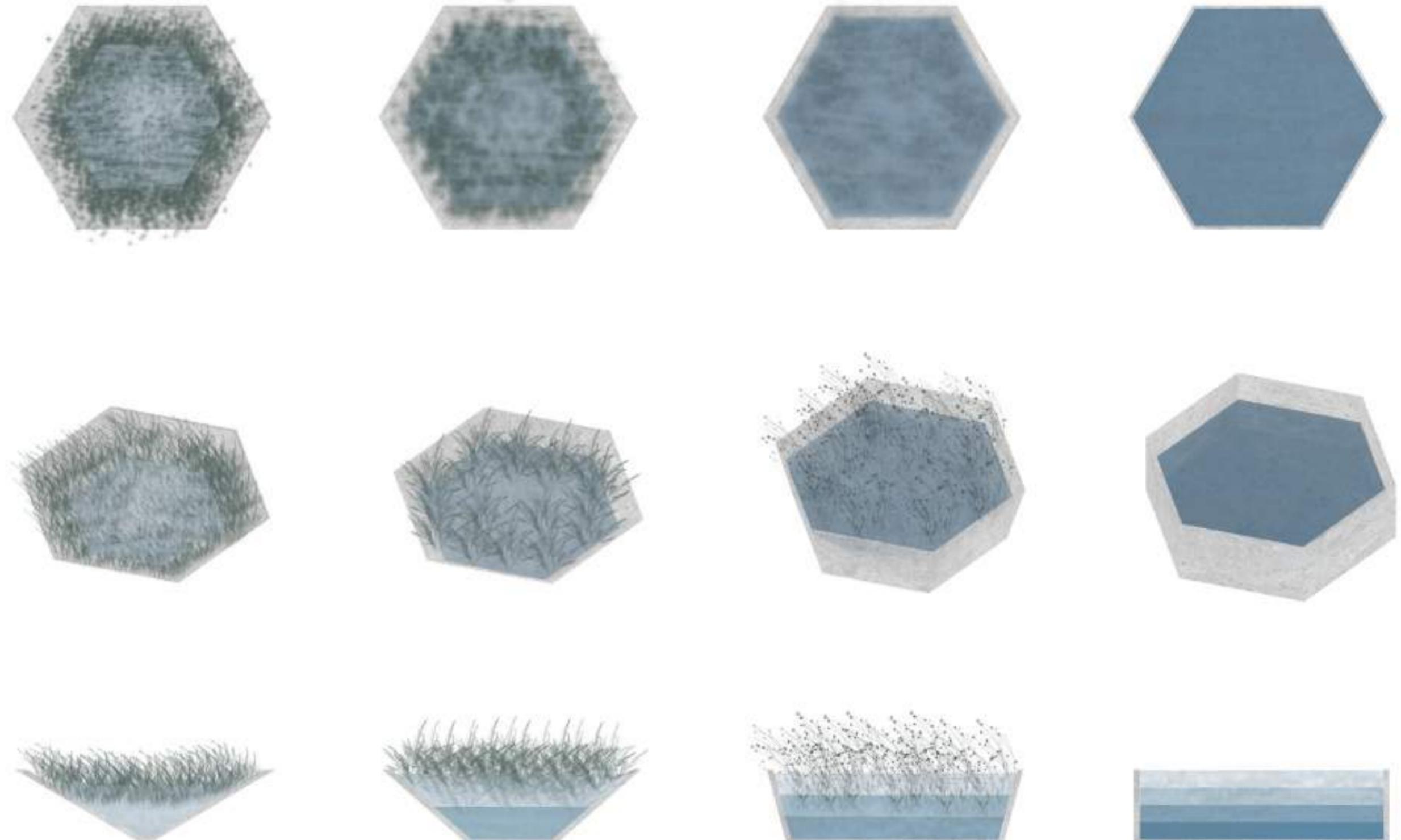


Section detail of the water filtering process.

We have identified seven culverted streams in the city through which polluted water from the urban network is transported to the Rio de la Plata. These streams will be the starting point, as they will supply the tanks with contaminated water to be purified and then discharged into the river. The other method of supply is rainwater that falls on the tanks and is captured to be filtered.

The purification and filtration process takes place thanks to the creation of tanks. There are four types of tanks with different qualities, where the slope is the main variable that differentiates them. Type 01 tanks have a slope of 20°, which is the minimum, while type 04 tanks have a slope of 90°, which is the maximum possible. Between these two extremes, there are two more types of tanks that will have intermediate degrees of slope. The slope of the tank will control the growth of vegetation and the amount of water accumulated, so while all of them will be purifiers, their temporality and intensity will vary.

To purify the water, the tanks will use phytoremediation, where this type of vegetation will filter out all impure contaminants and UV rays that will help eliminate bacteria present in the water. The water flow will progressively move between tanks through the action of overflow, which is regulated by the slopes of the tanks. The water will lose in each typology of tank for a determined time until it reaches the necessary accumulation to overflow and advance to the next filtration stage. In this way, all the water that has passed through the gradual system of tanks will finally be discharged into the Rio de la Plata, resulting in less contamination of its waters. In addition, the spaces around the tanks will function as recreational green spaces, revealing a greater relationship between the project and the city's historical needs. Therefore, both the problem of water pollution and the lack of urban connection with the river will be solved.

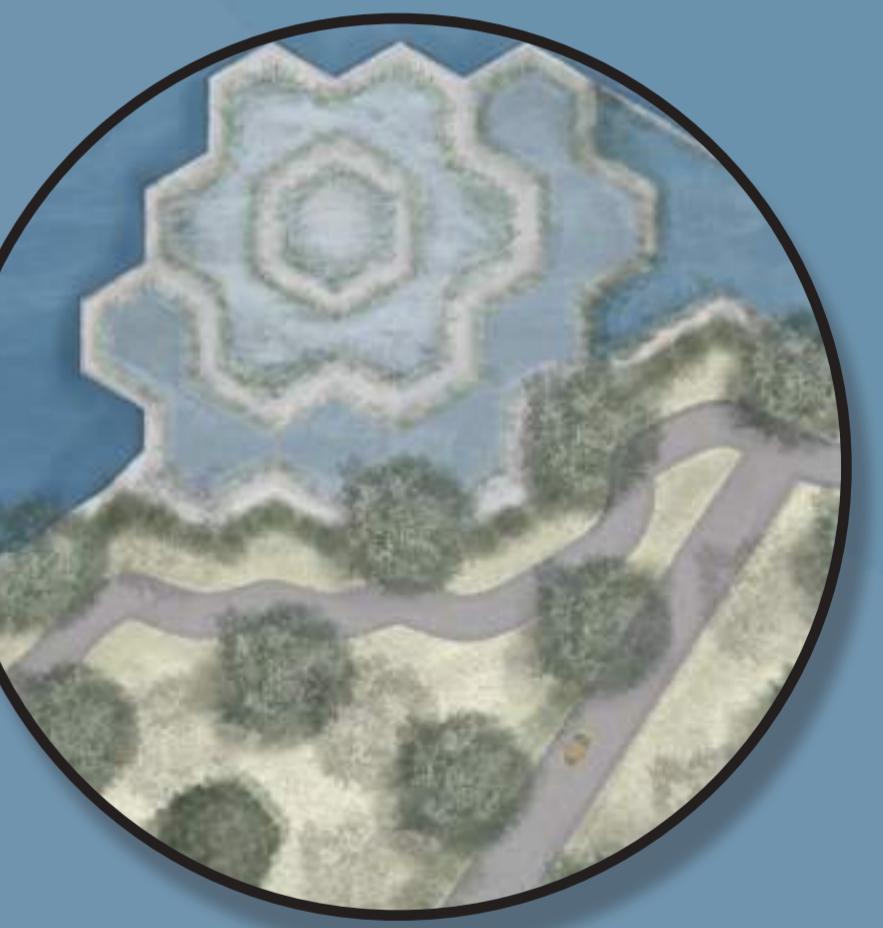
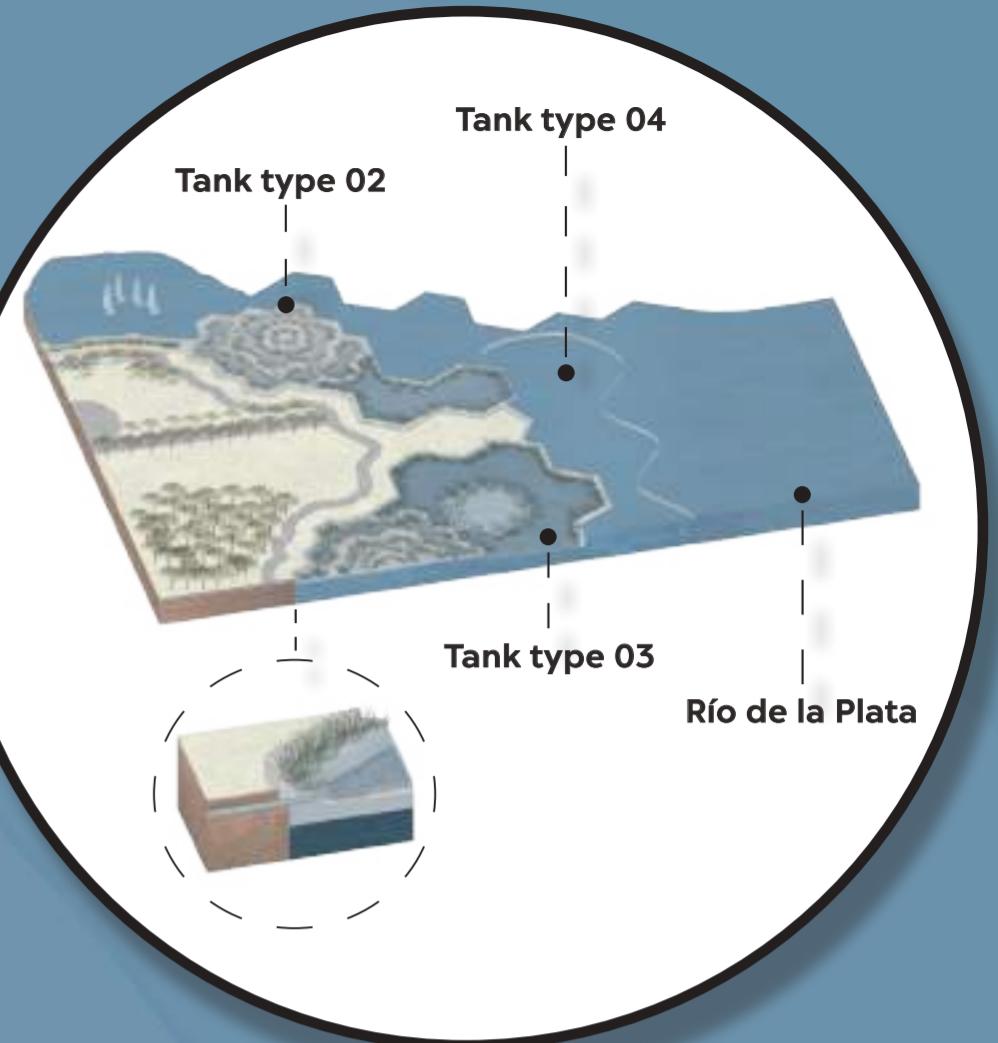
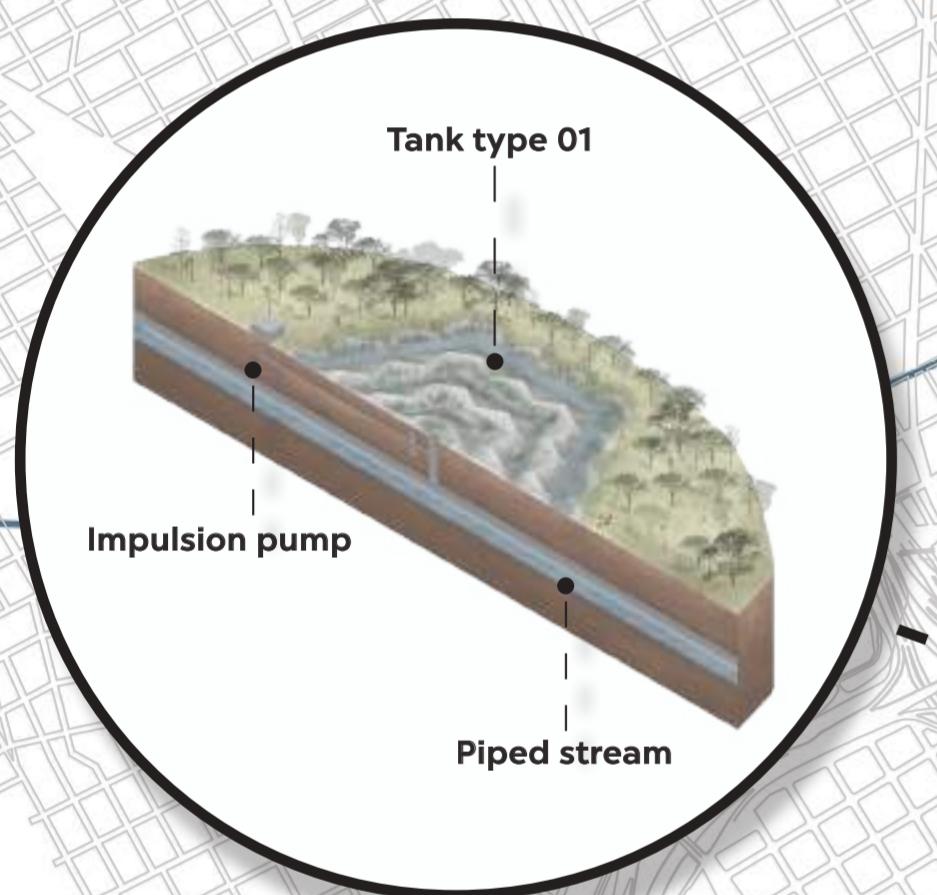


Tank type 01

Tank type 02

Tank type 03

Tank type 04



ARCH TOWER

TOPIC: Project and structural design of a skyscraper.

TYPOLOGY: Corporate headquarters.

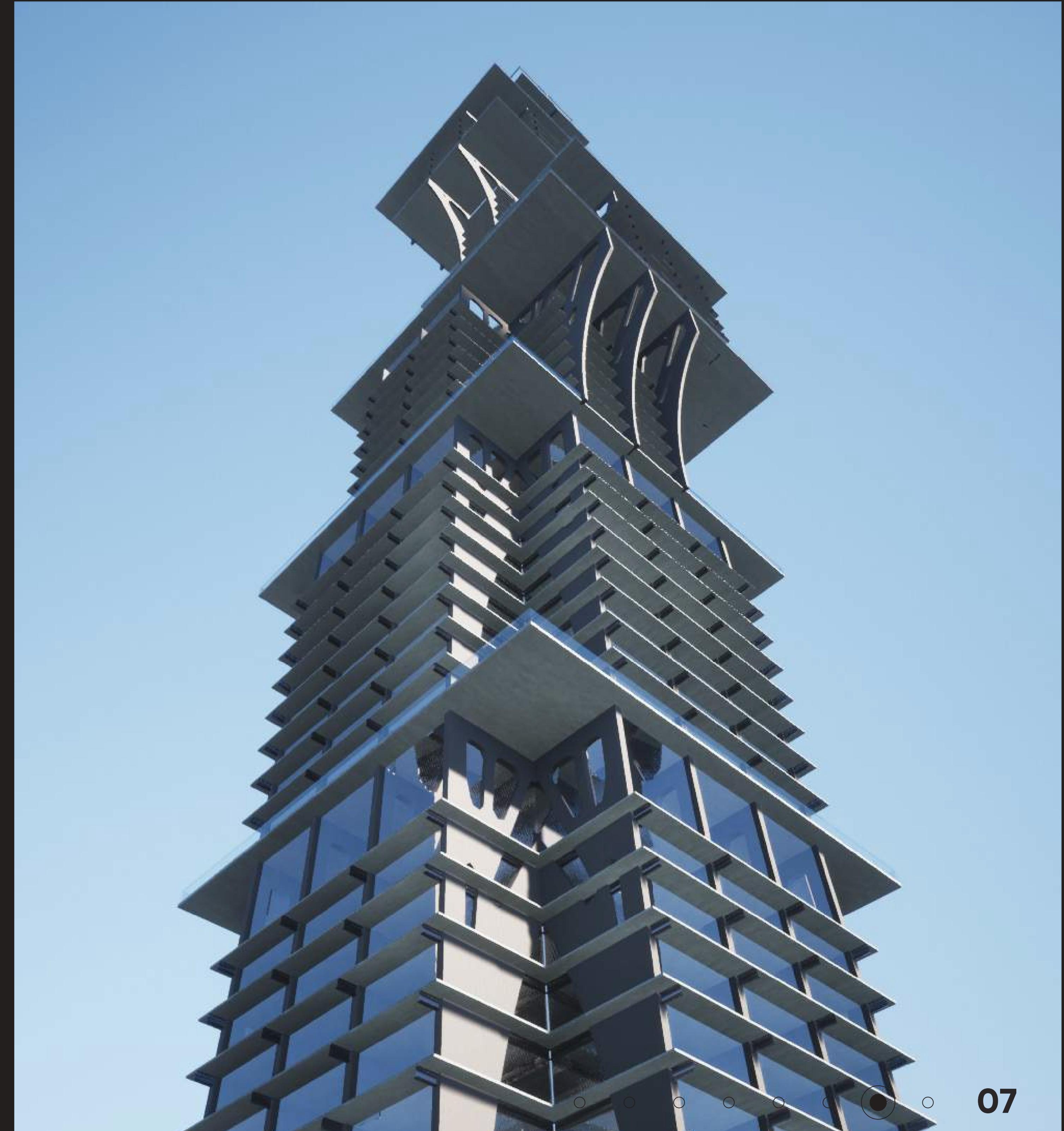
SITE: Buenos Aires, Argentina.

YEAR: 2021.

The tower is composed of 42 floors, assembled by four types of modules that reduce their dimensions as the height increases. The modules are square in plan and are structured through a series of arches that intersect in the X and Y directions, forming a structural grid that serves as support for the positioning of the upper modules.

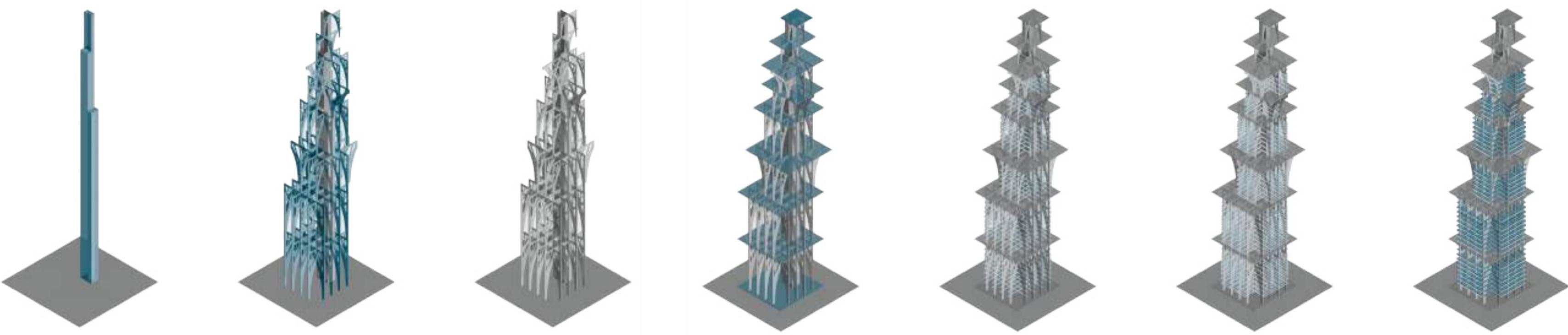
The project studies the use of arches at height, which are structural elements traditionally used to span large horizontal gaps. However, they are used with the aim of generating free floor plans without columns and flexibility of spaces within each module. They not only cover the entire width of each module but also serve as support for hanging slabs that complete the modules inside. These reinforced concrete arches, due to their dimensions, generate spaces where they are perceived as pillars and others as partitions.

07





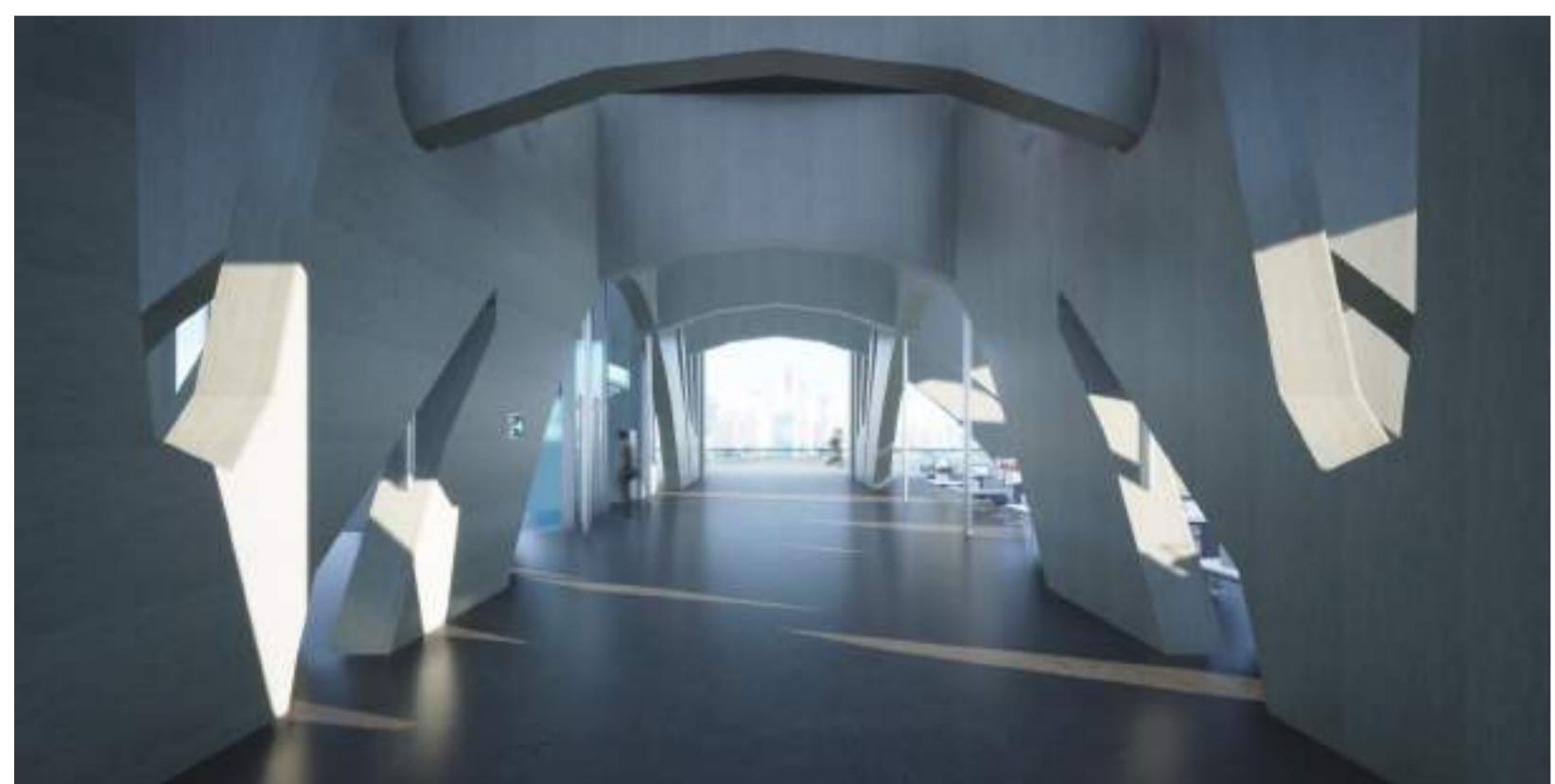
Exterior visualization



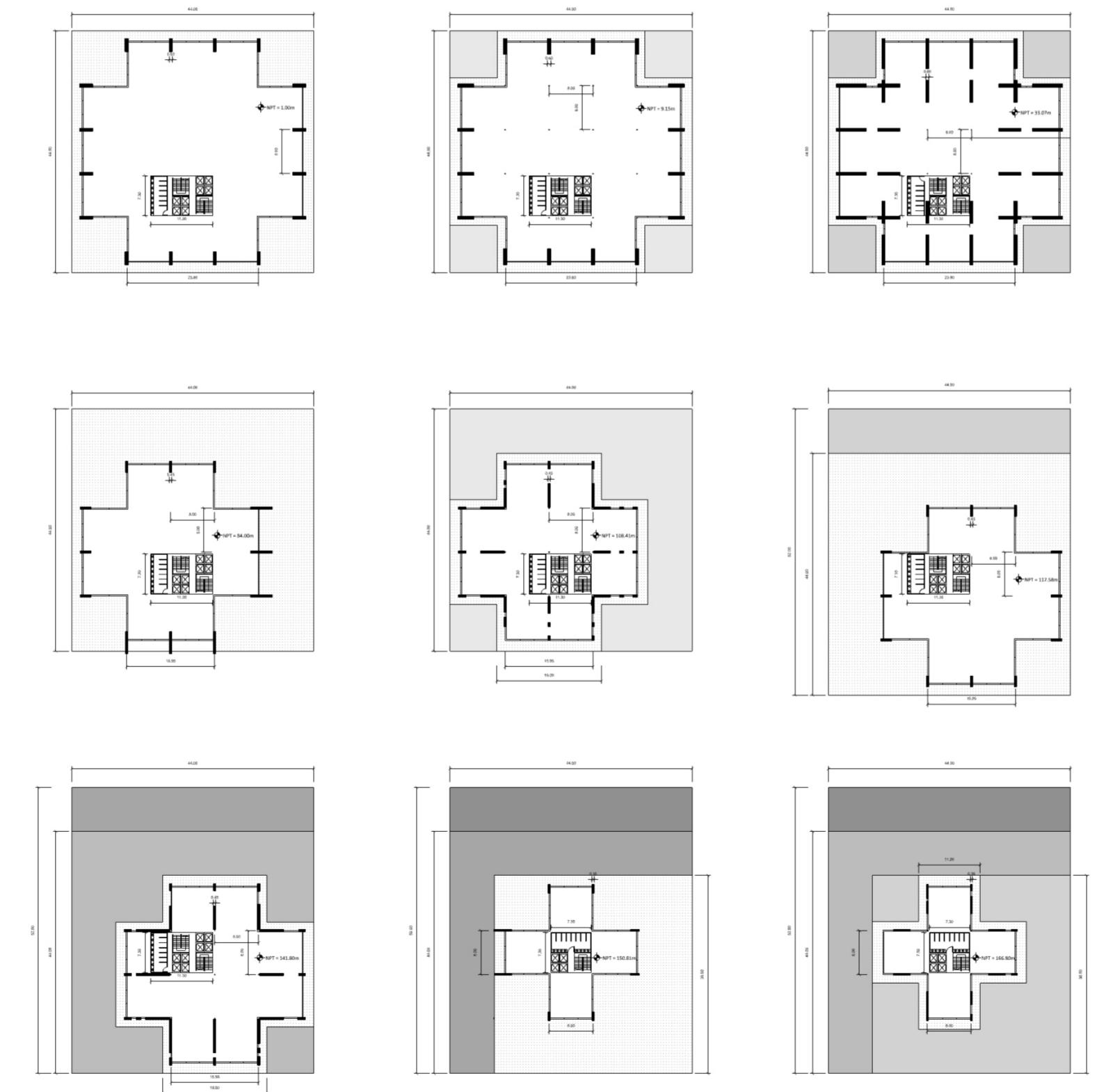
Conceptual morphological diagram



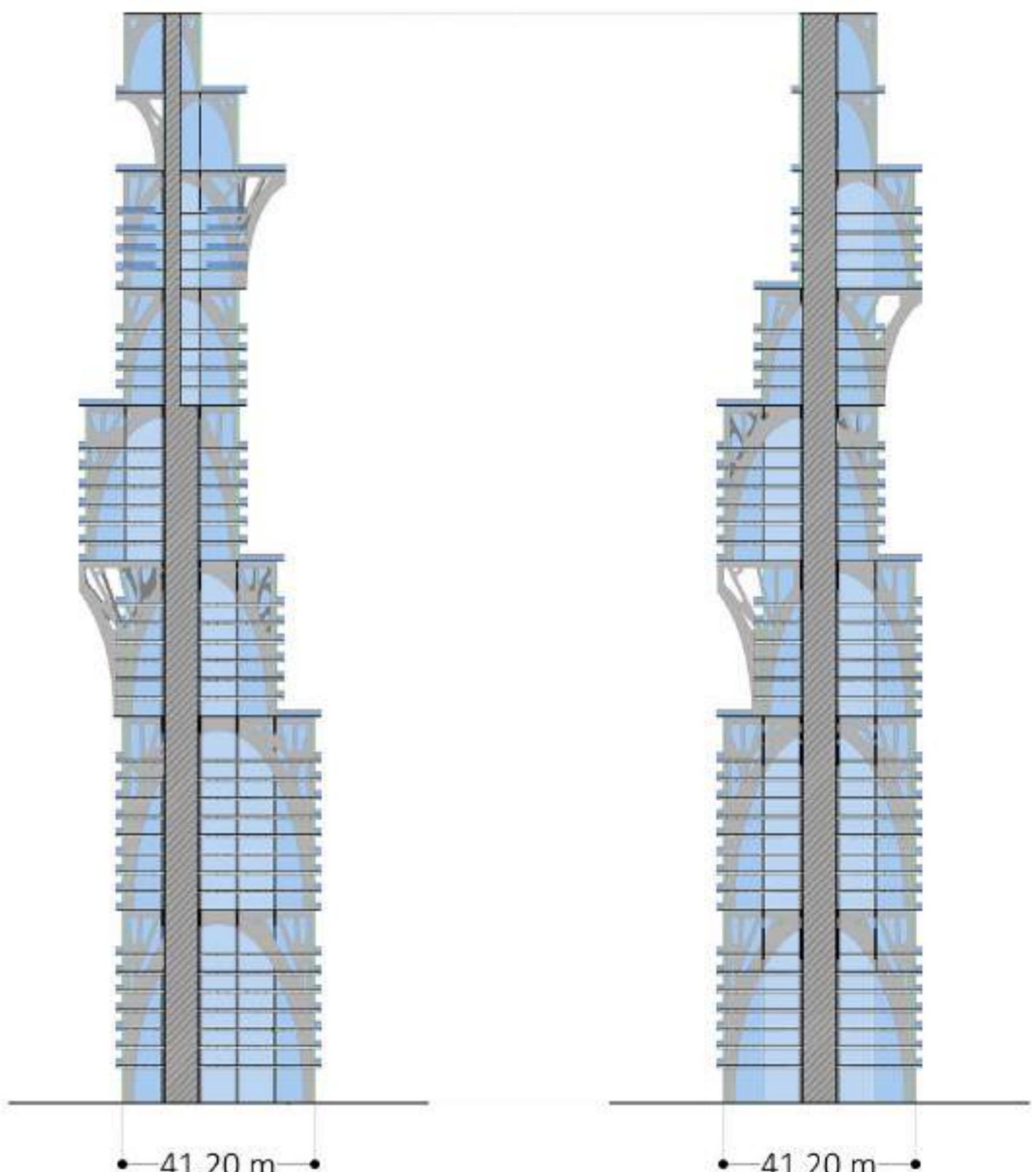
Visualization of the semi-covered space



Internal hall visualization



Catalog of featured plans



Longitudinal section

Transversal section

URBAN HYDROPROLIFERATIONS



TOPIC: Project design.

TYPOLOGY: Landscape and urban planning.

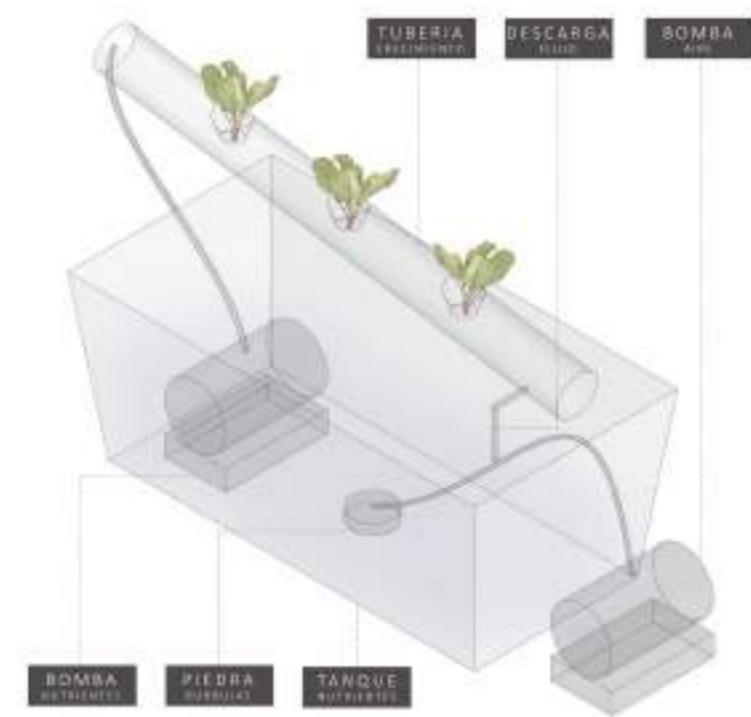
SITE: Buenos Aires, Argentina.

YEAR: 2020

The project emerged from the combination of two functioning logics: the artificial NFT hydroponic system and the natural cascade system. Firstly, both their functioning and components were thoroughly analyzed separately. Secondly, an integration of these two thought logics was carried out in order to develop a landscape project with urban use application.

The main premise of the project was to solve the current problem of lack of green spaces in certain neighborhoods of Buenos Aires. Therefore, considering the city's current density, the proposed organization multiplies the amount of vegetation in vertical terms, seeking to optimize the limited and scarce urban surface spaces of the city.

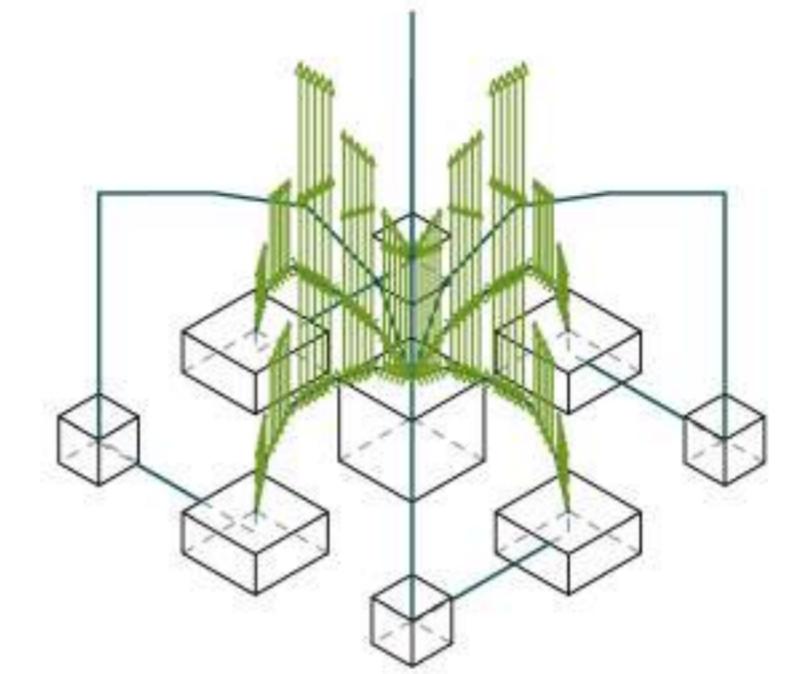
It was developed projectually in a typological building of the urban fabric where emphasis was placed on commonly unused surfaces such as adjacent median walls and the upper cover. In this way, a massive urban solution application system was constructed.



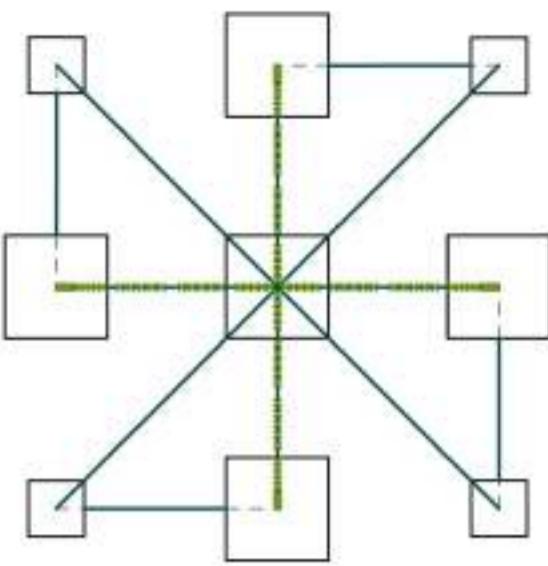
NFT hydroponic logic diagram



Cascade logic diagram



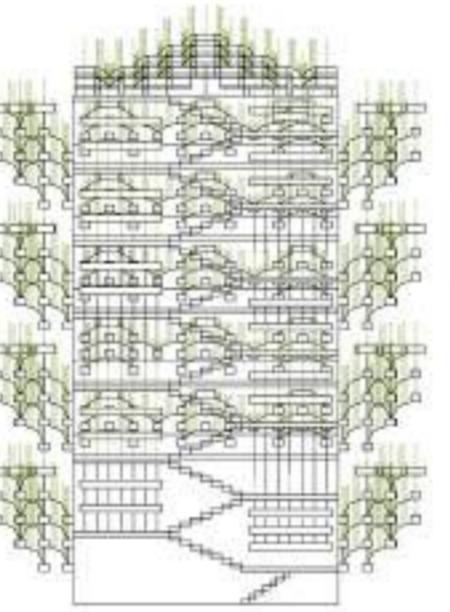
Axonometric of logic combination



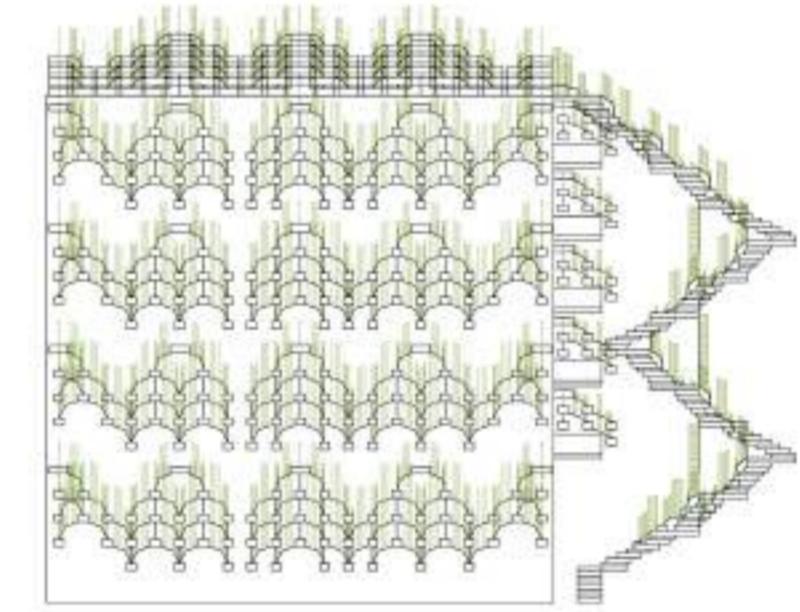
Plan of logic combination



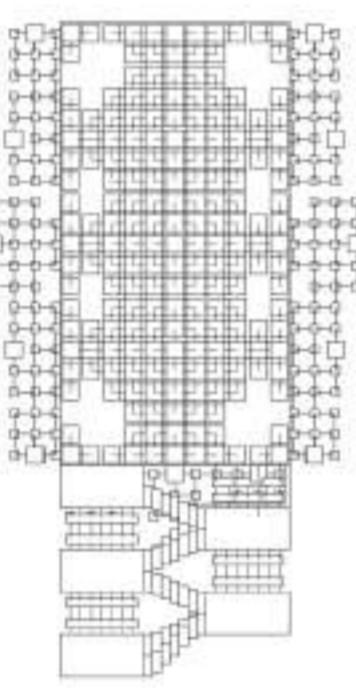
Axonometry of application in a typological building



View of application in a typological building



Section of application in a typological building



Plan of application in a typological building



Rooftop garden visualization



Green terracing visualization

THANK YOU

ARCHITECTURAL PORTFOLIO

2017 - 2024

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