

a constant change

NATIONAL WORKSHOP ON PREFABRICATED BUILDINGS AND CONSTRUCTION | 2021 SESSION

sreenath vinay | architecture dialogue | Bangalore | Hyderabad

Designing to changing needs and context
A unique product every time

mining information + collaborative practice + good architecture

Why a constant change????

context + client aspiration + time + typology

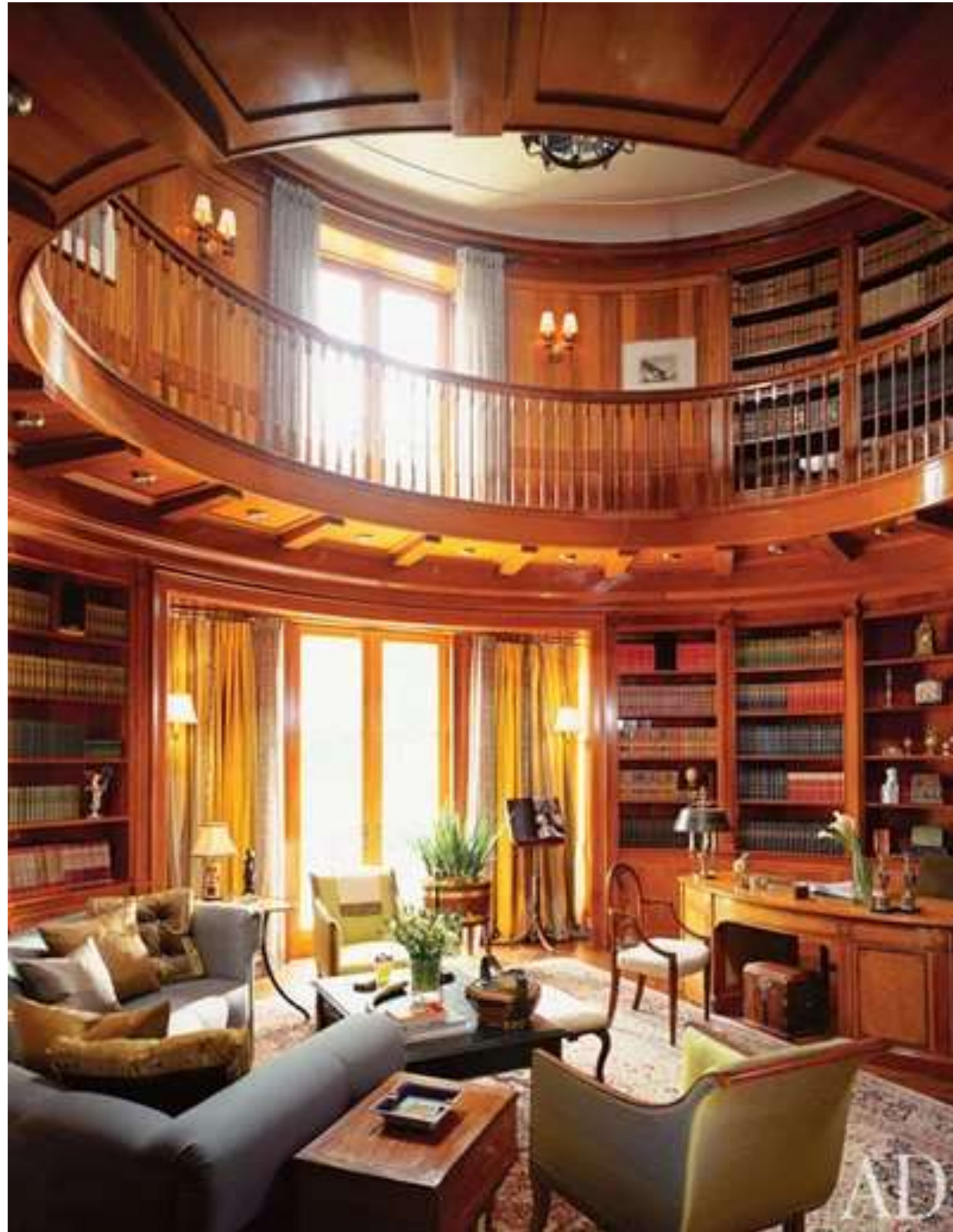
physical

social

economical



'Being Transformative' is not being radicle
but it is about designing for the
transforming needs of the society.
To create a space that is truly reflective
of the ever changing governing factors



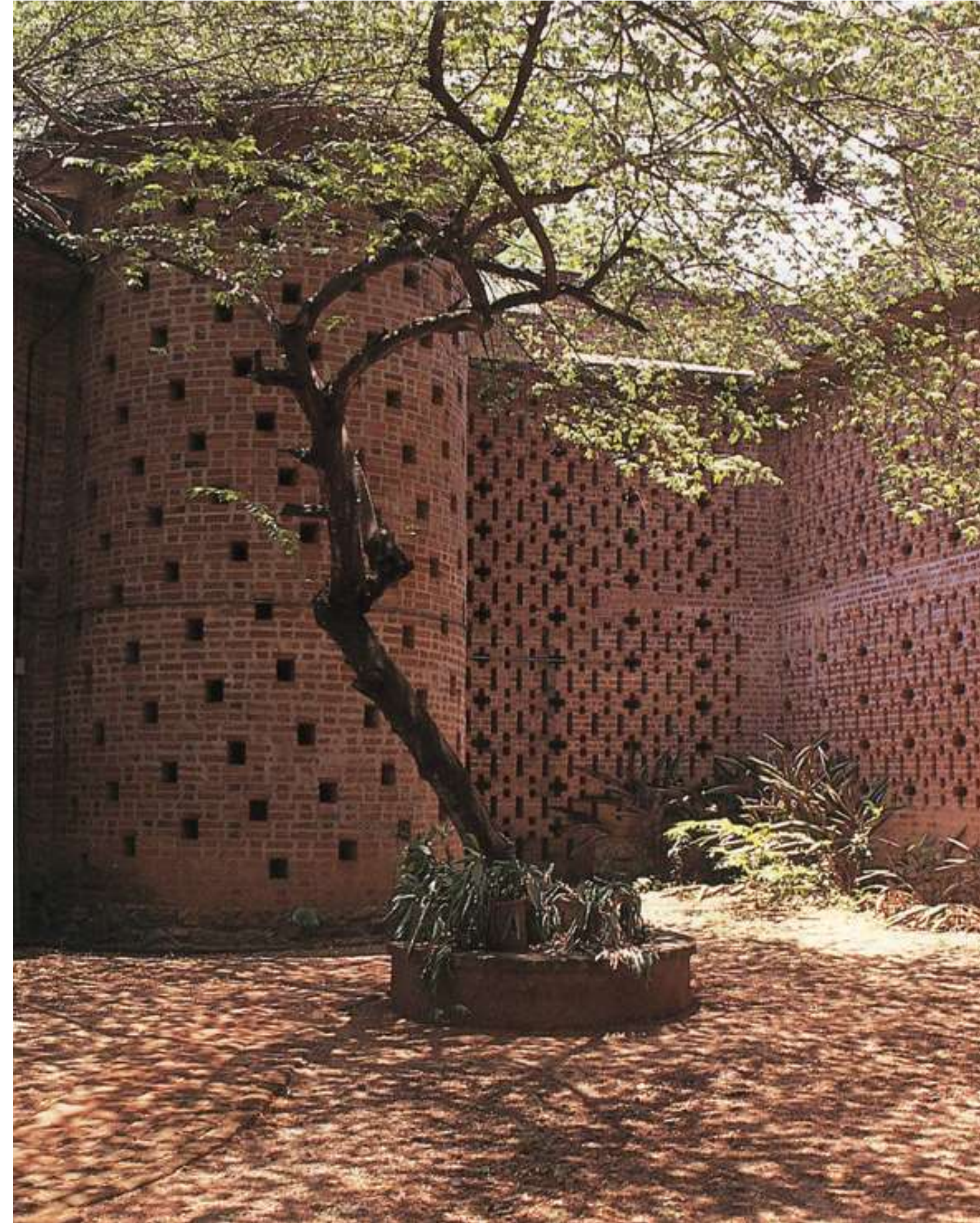
Client

there is always a set of thoughts a client comes to us with. The present one was to have a very colonial study where they wanted their whole house to be built around. The house was supposed to be a Finnish cultural representation where the client spent almost 10 years of his life and came in love with.

for us architecture is built around tapping the greatest potential or the greatest weakness around which we would want to give a not an arbitrary proposal.

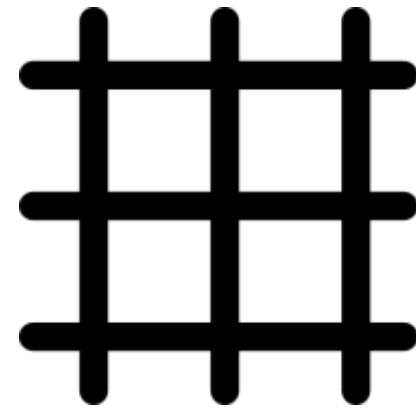
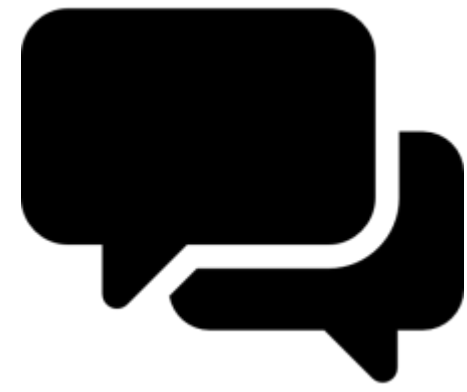


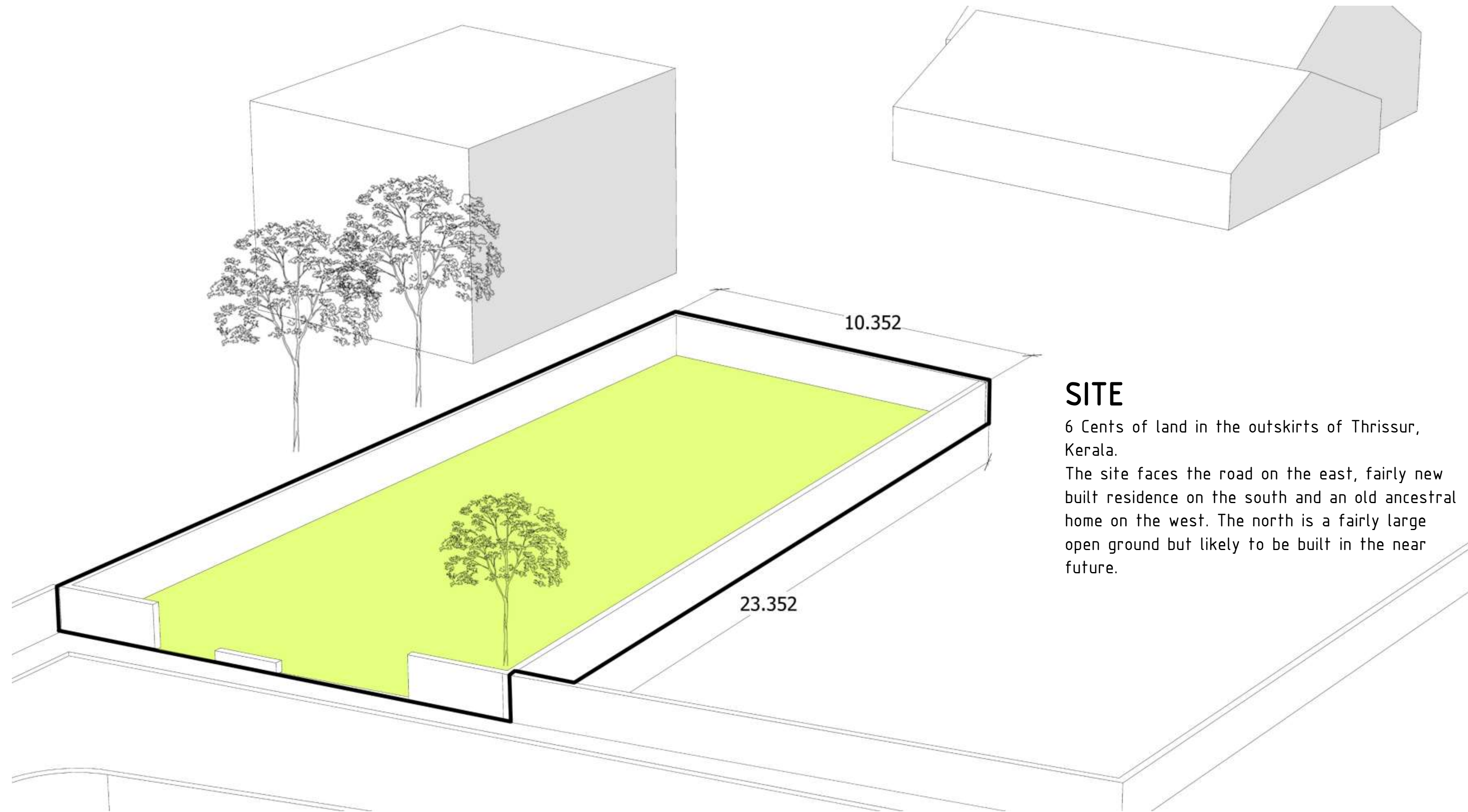
Säynätsalo Town Hall – Finland – Alvar Alto



CFDS Trivandrum– Laurie Baker







SITE

6 Cents of land in the outskirts of Thrissur, Kerala.

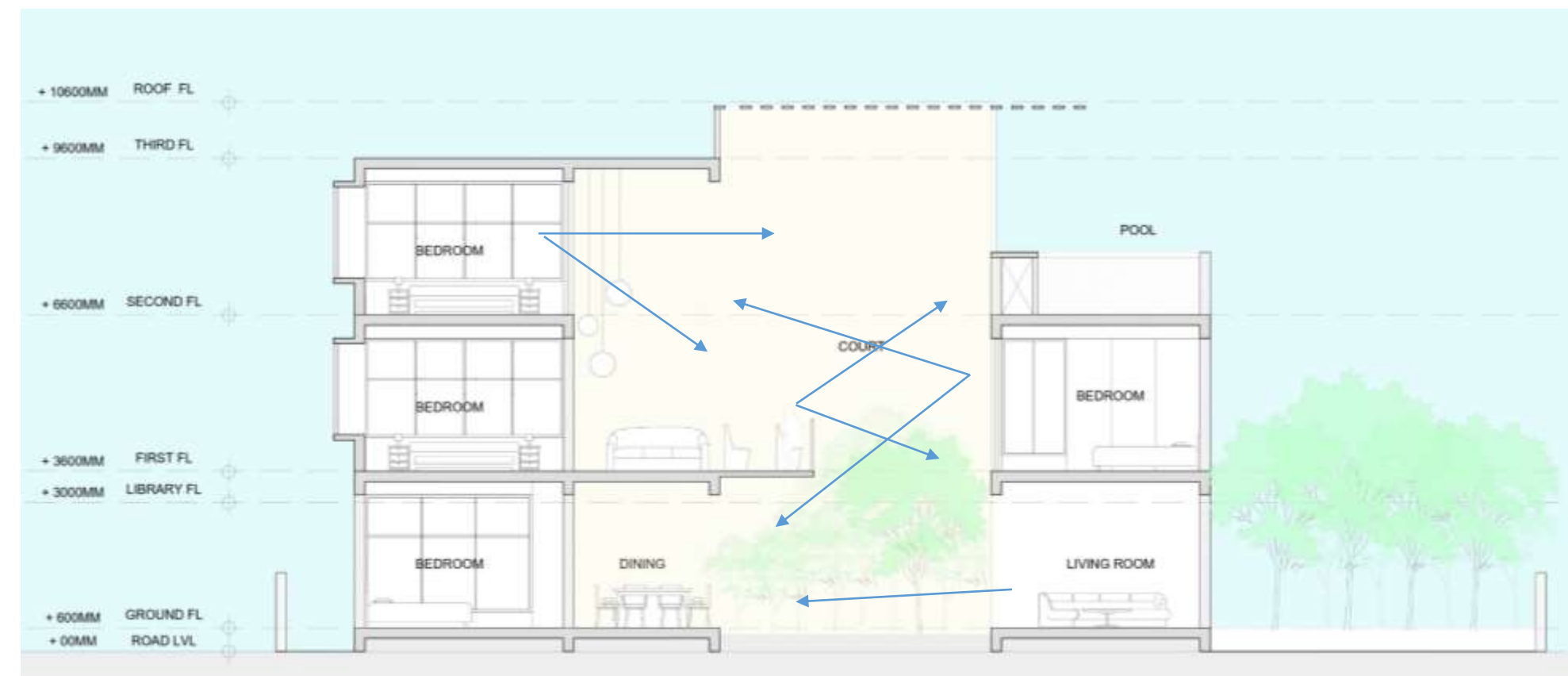
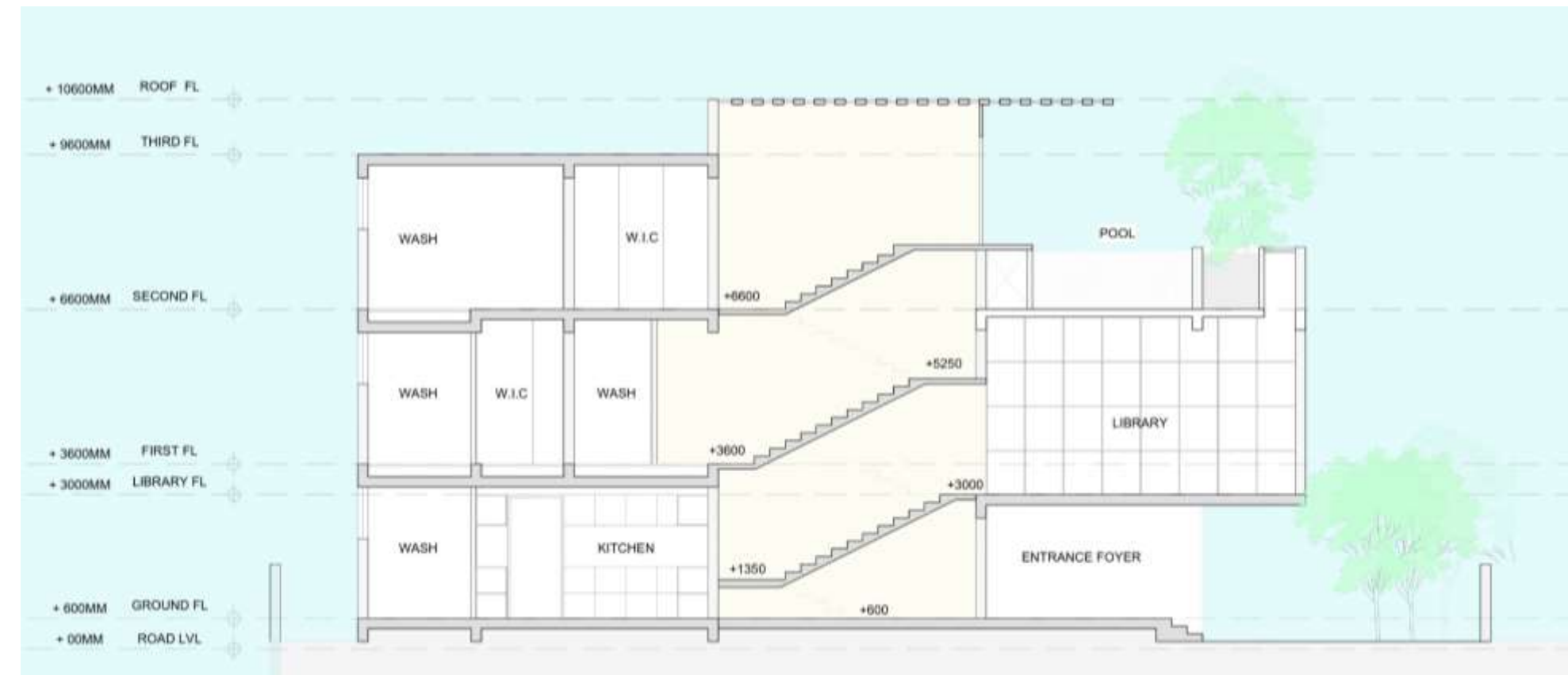
The site faces the road on the east, fairly new built residence on the south and an old ancestral home on the west. The north is a fairly large open ground but likely to be built in the near future.

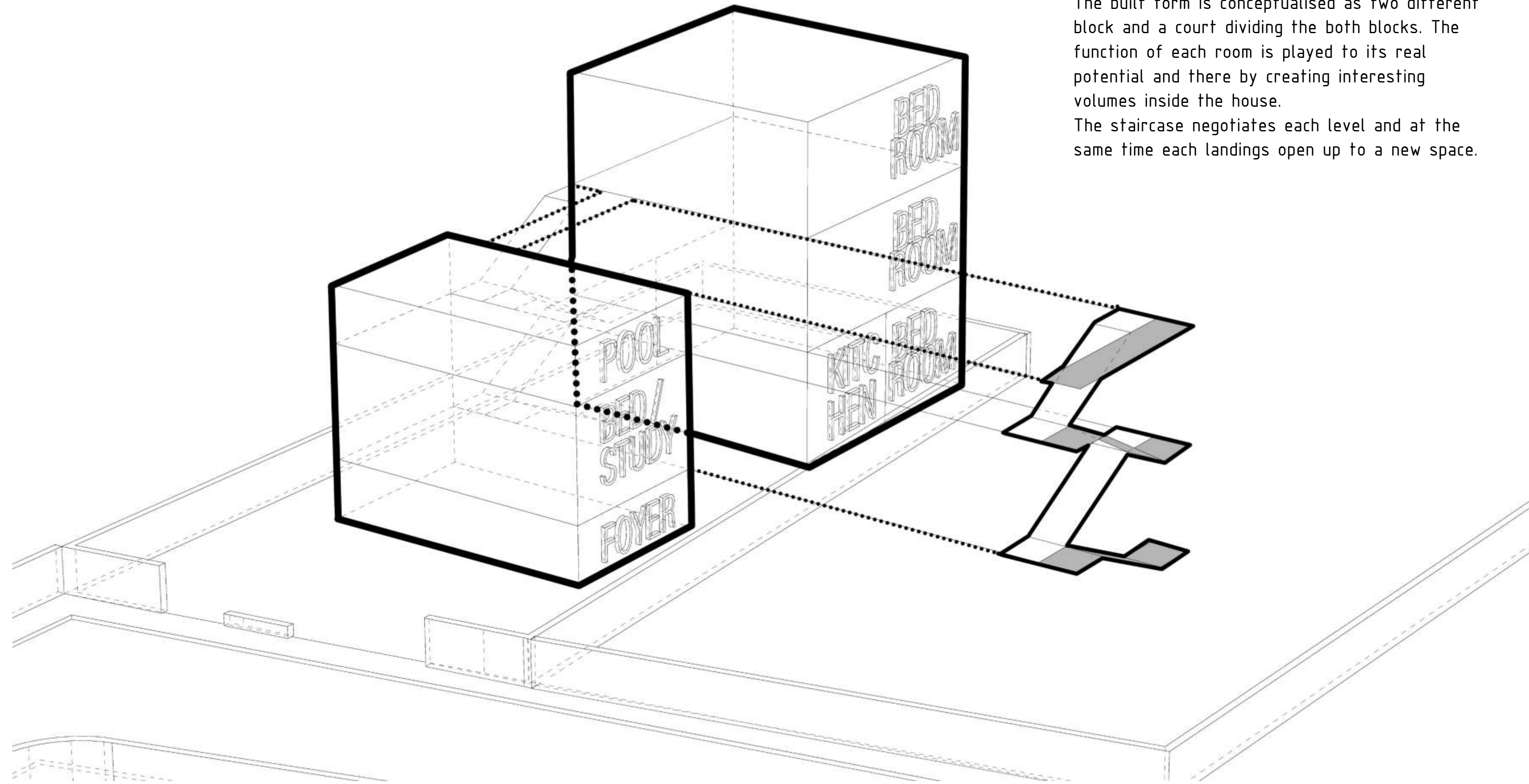


Second Floor

First Floor

Ground Floor





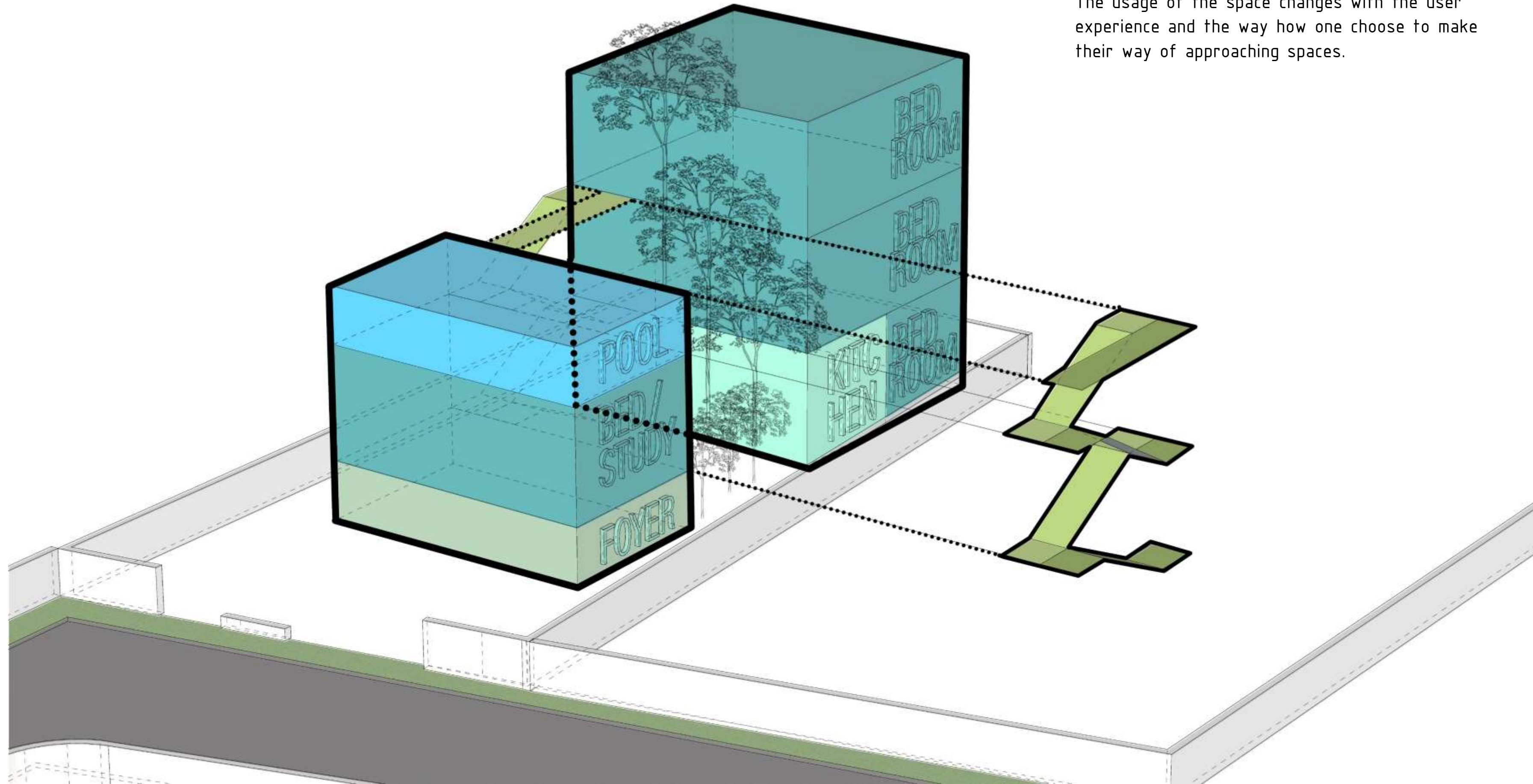
Dynamics of Building

The built form is conceptualised as two different block and a court dividing the both blocks. The function of each room is played to its real potential and there by creating interesting volumes inside the house.

The staircase negotiates each level and at the same time each landings open up to a new space.

Constant Change

The usage of the space changes with the user experience and the way how one choose to make their way of approaching spaces.



Concrete Shell

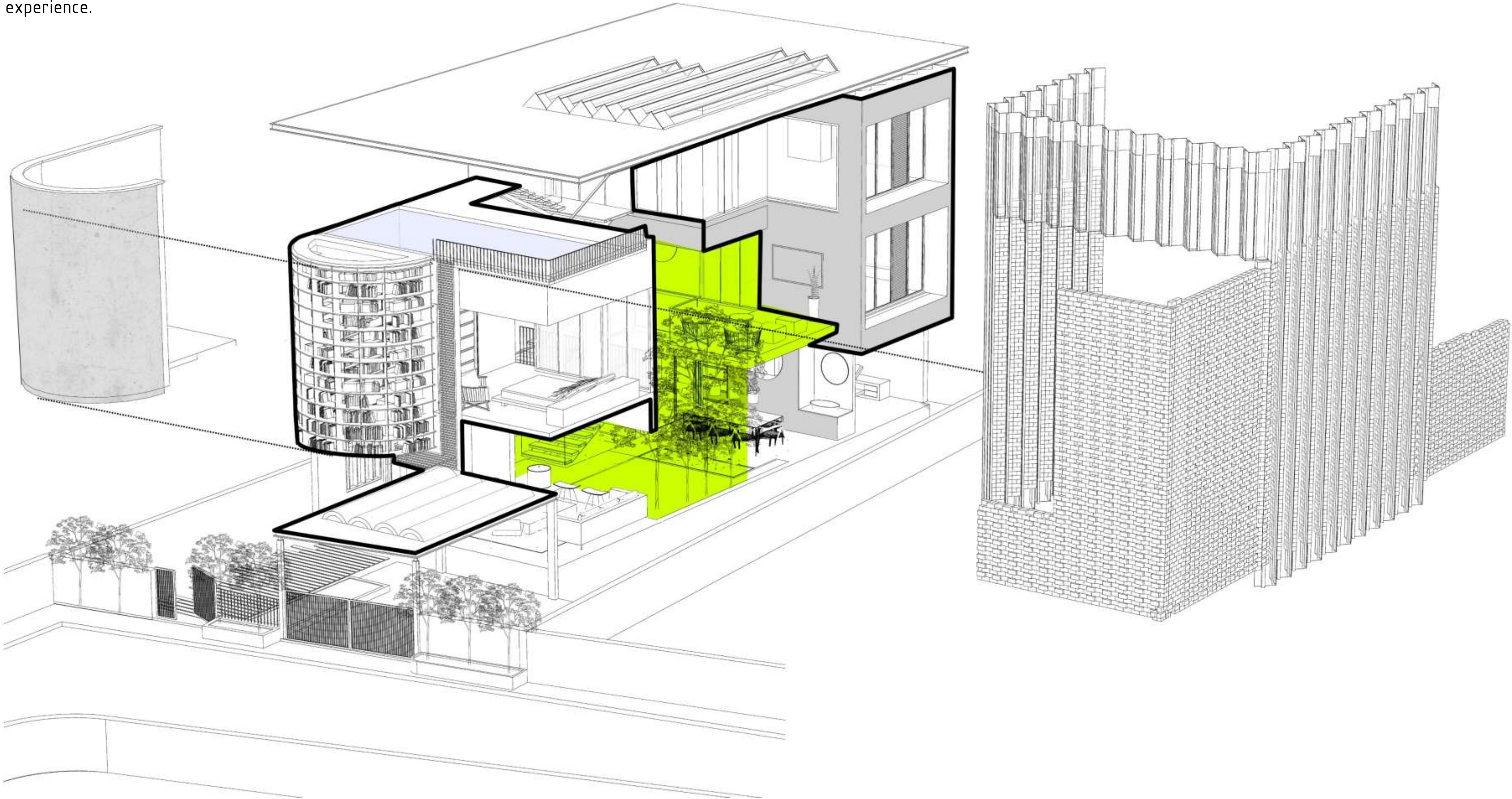
The study area is wrapped with a concrete shell by creating enough space for the racks and skylight on top giving a very dramatic spatial experience.

Roof form

Metal roof hovers above the blocks creating a oneness to the building at the same time collecting all the north light

Brick and Glass

West sun is blocked with the plane brick façade and the court side opening up for inviting the north sun. Creating a play of shade and shadow









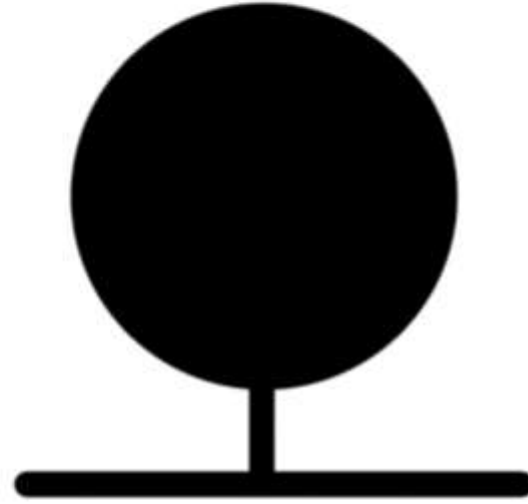
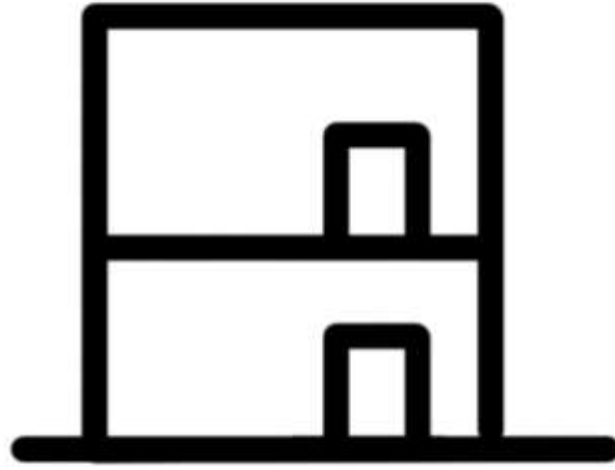










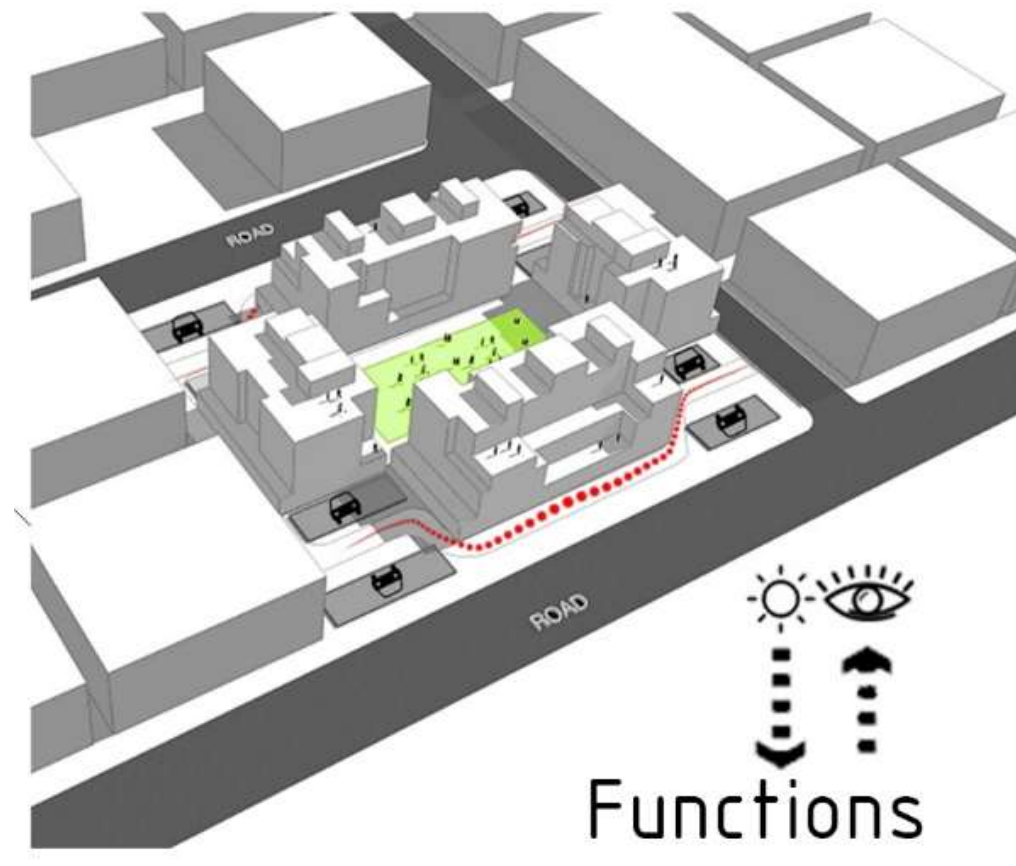
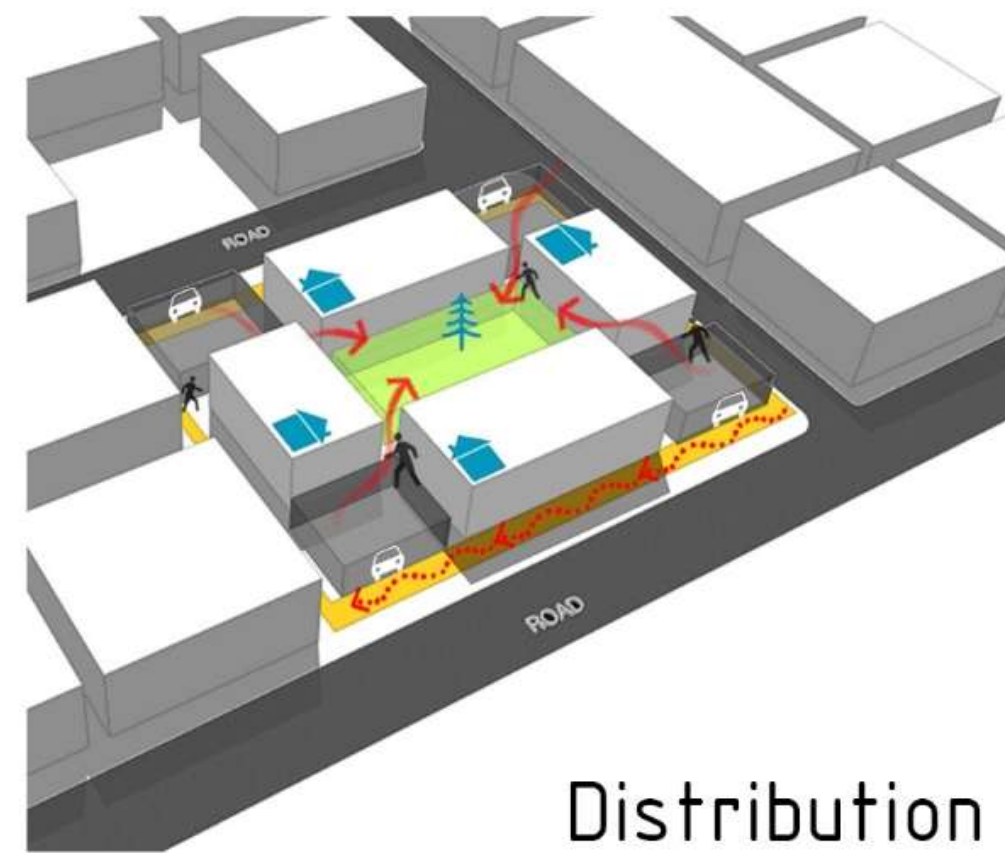
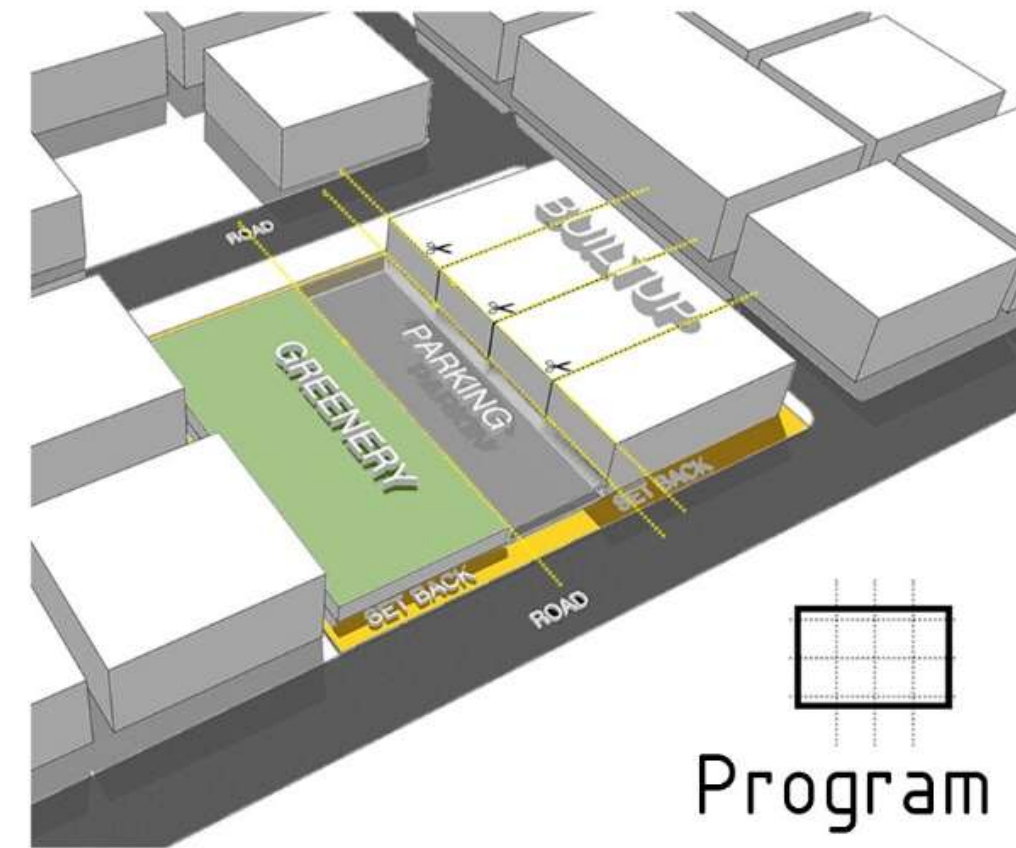
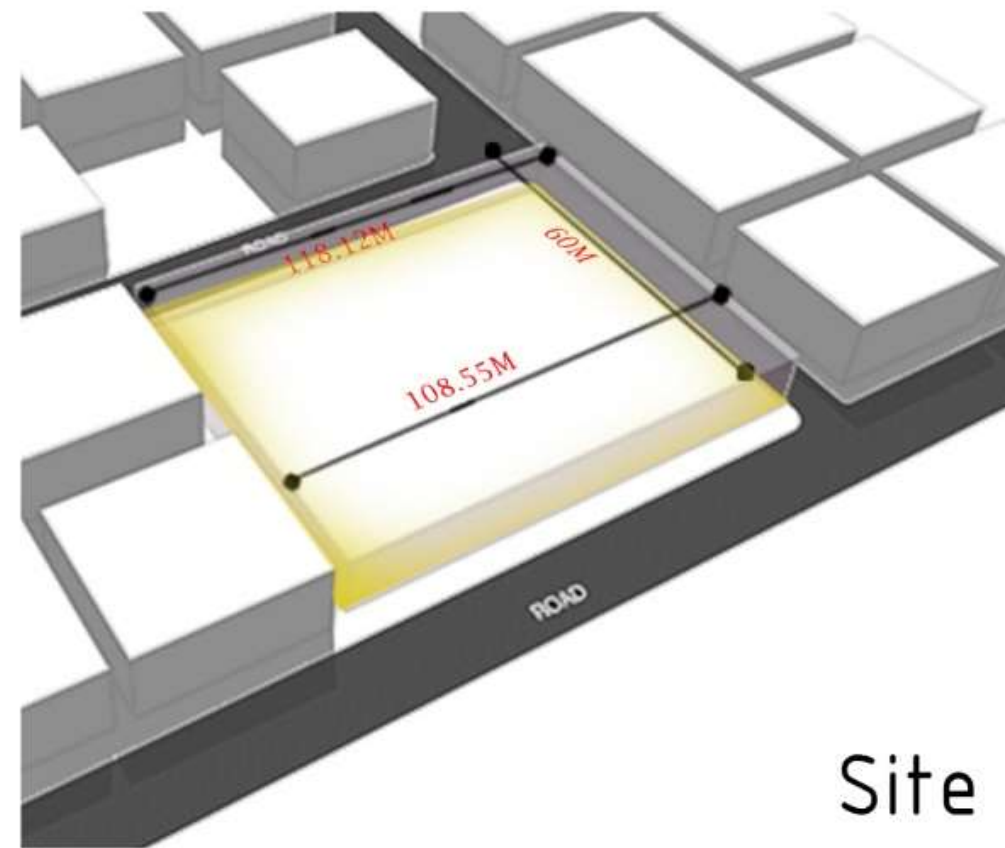






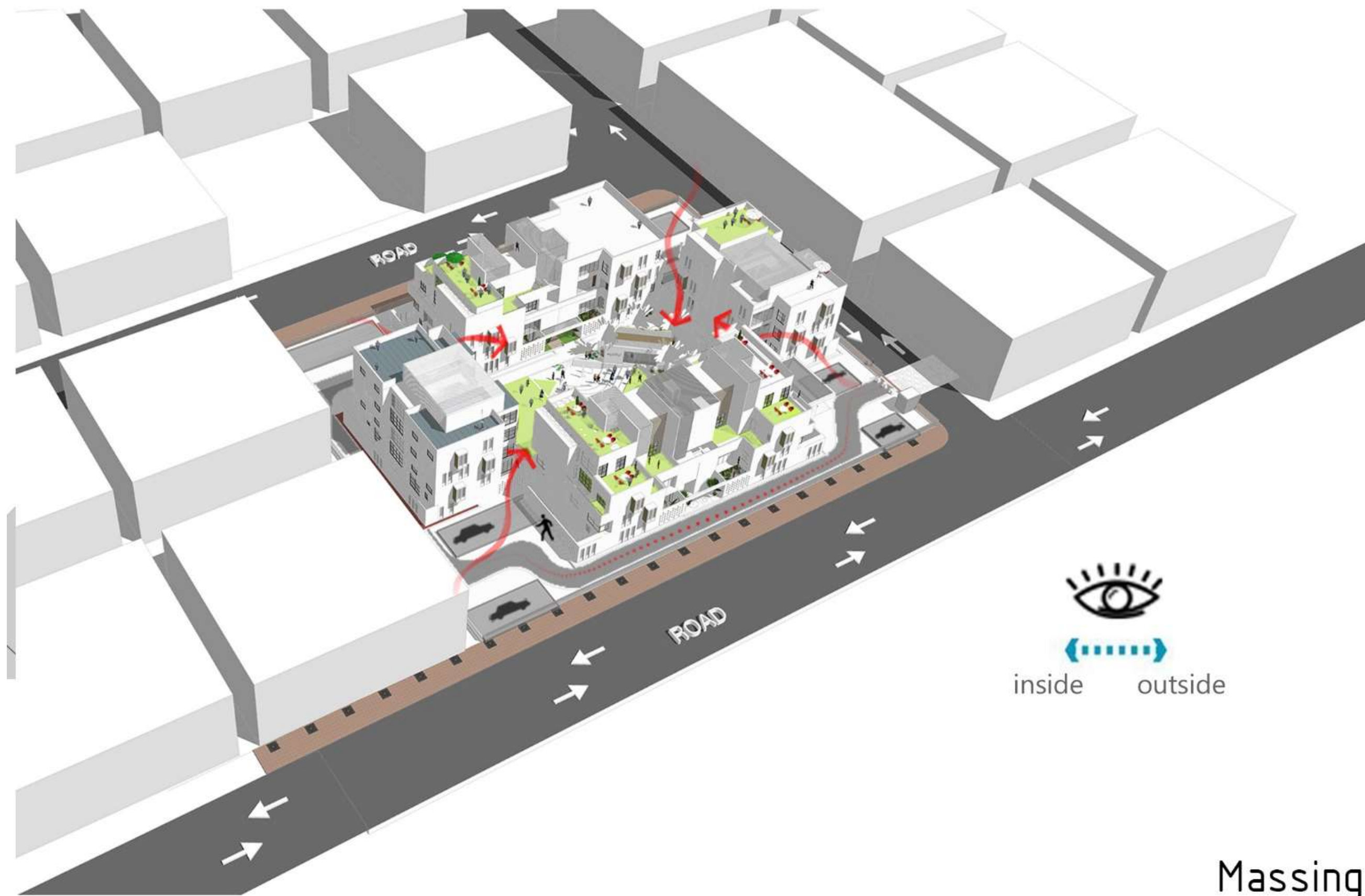






SITE

The master planning responds to the local climatic, social and sustainability needs to create a contextually appropriate architecture. The contemporary Islamic style architecture responds to the brief by providing an introverted planning that is designed around a central landscaped courtyard. The residential units are enclosing a shaded and landscaped courtyard that is optimally shaded and densely planted as an oasis amidst the city. Each of the unit has proximately positioned parking, which allows residents to park close to the house for ease.

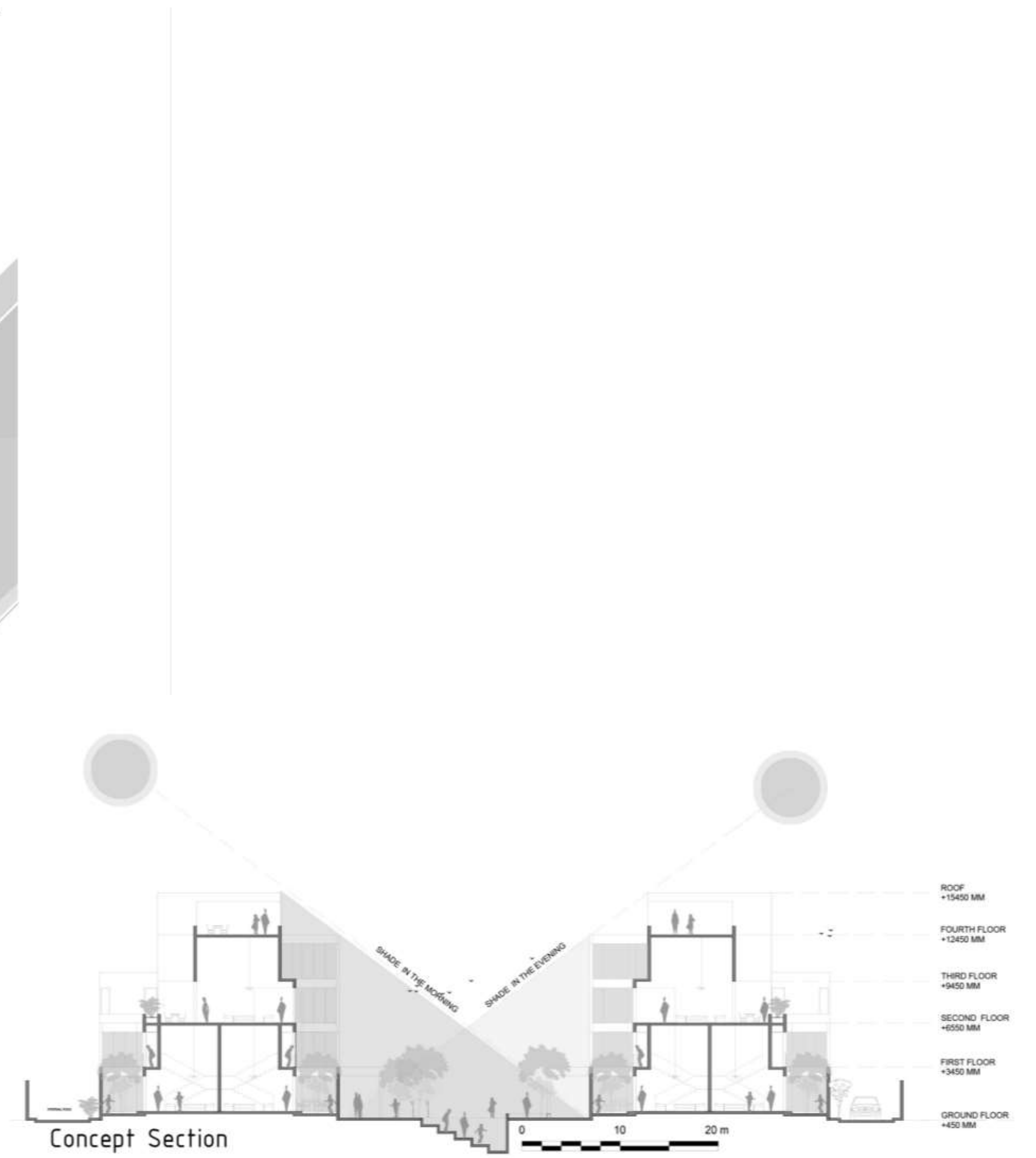


Program

The brief of parking, building and open space with a 33% proportion each is divided by taking the parking to the external extremities and consolidating the greens to the center. The ground parking is divided to the four corners and the residential units are divided into four blocks around a central courtyard. The public amenities of reception, club house, amphitheater and a children's play area are all accommodated in this shaded landscaped courtyard. The internal courtyard is completely free of vehicular movement. The roads and parking are limited to the perimeter of the plot and in close proximity to the residential units. Additional drop off points are provided near the public lobby for ease of access for the elderly and children.

Massing











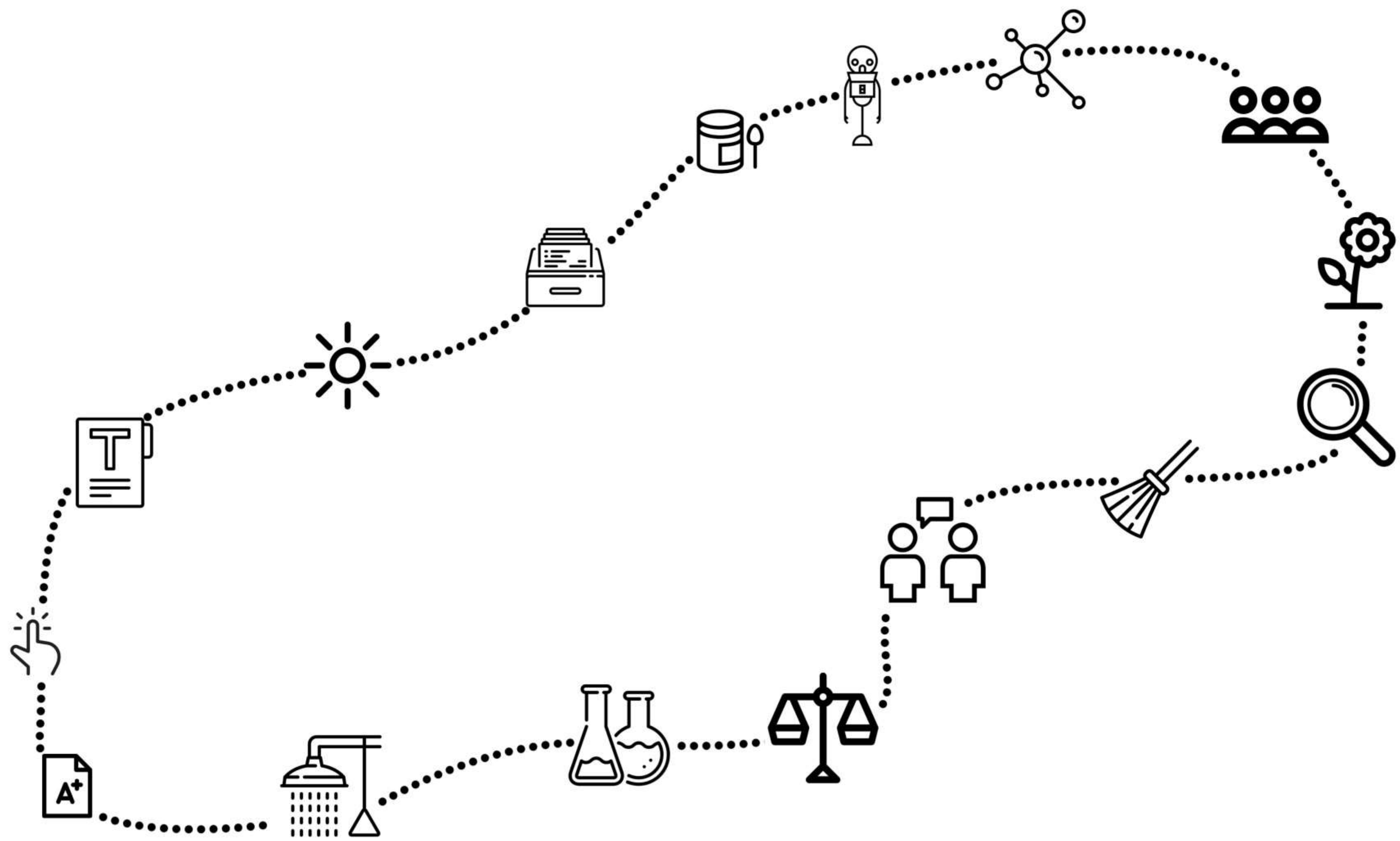






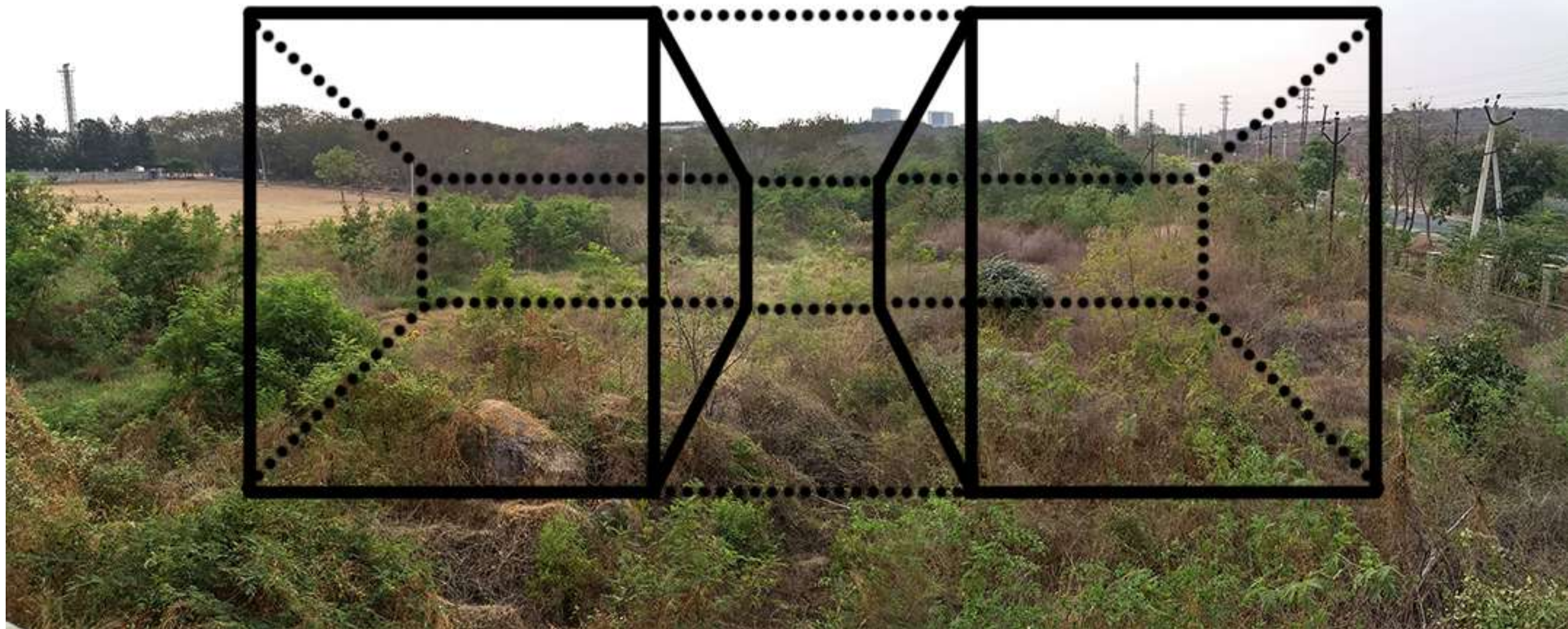




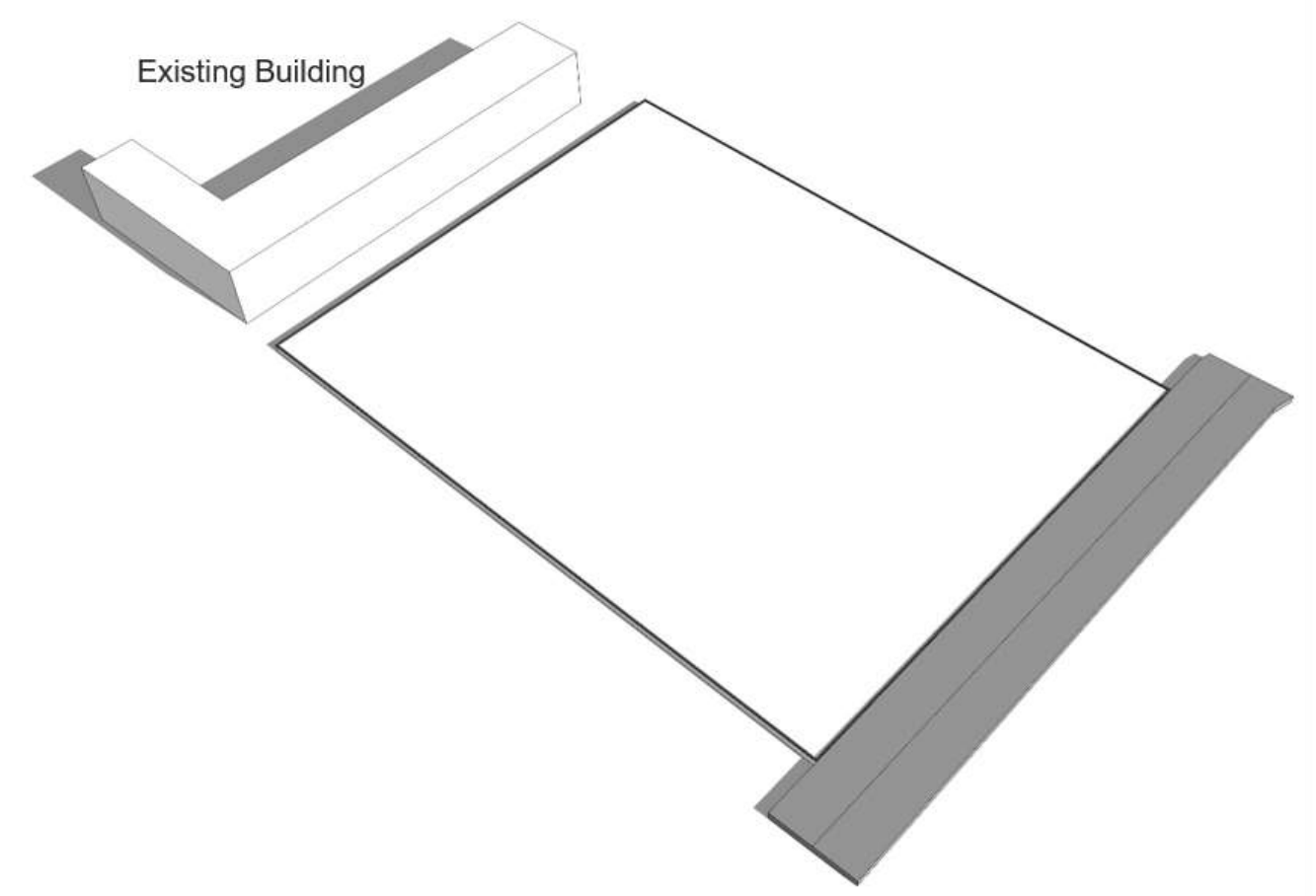




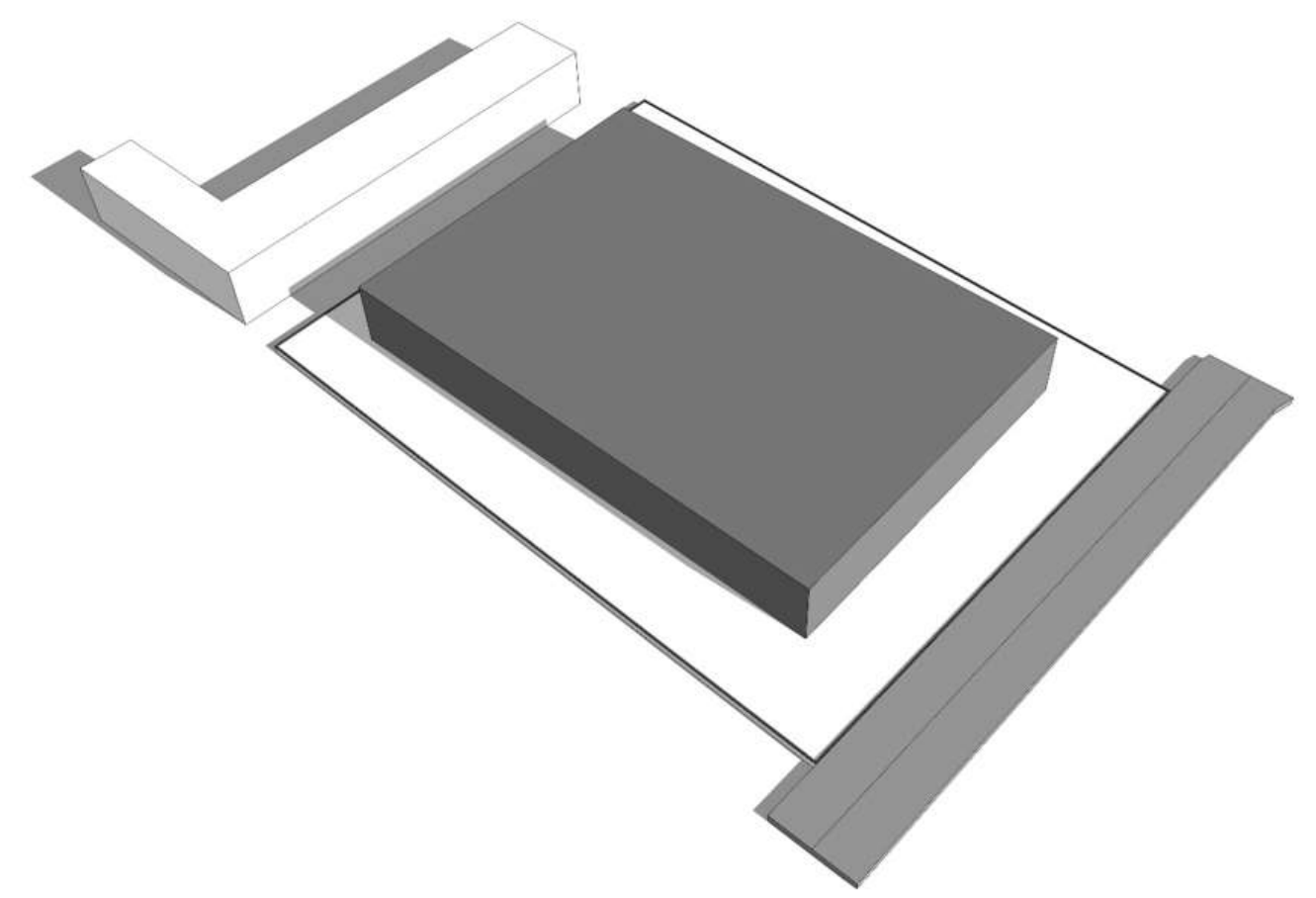




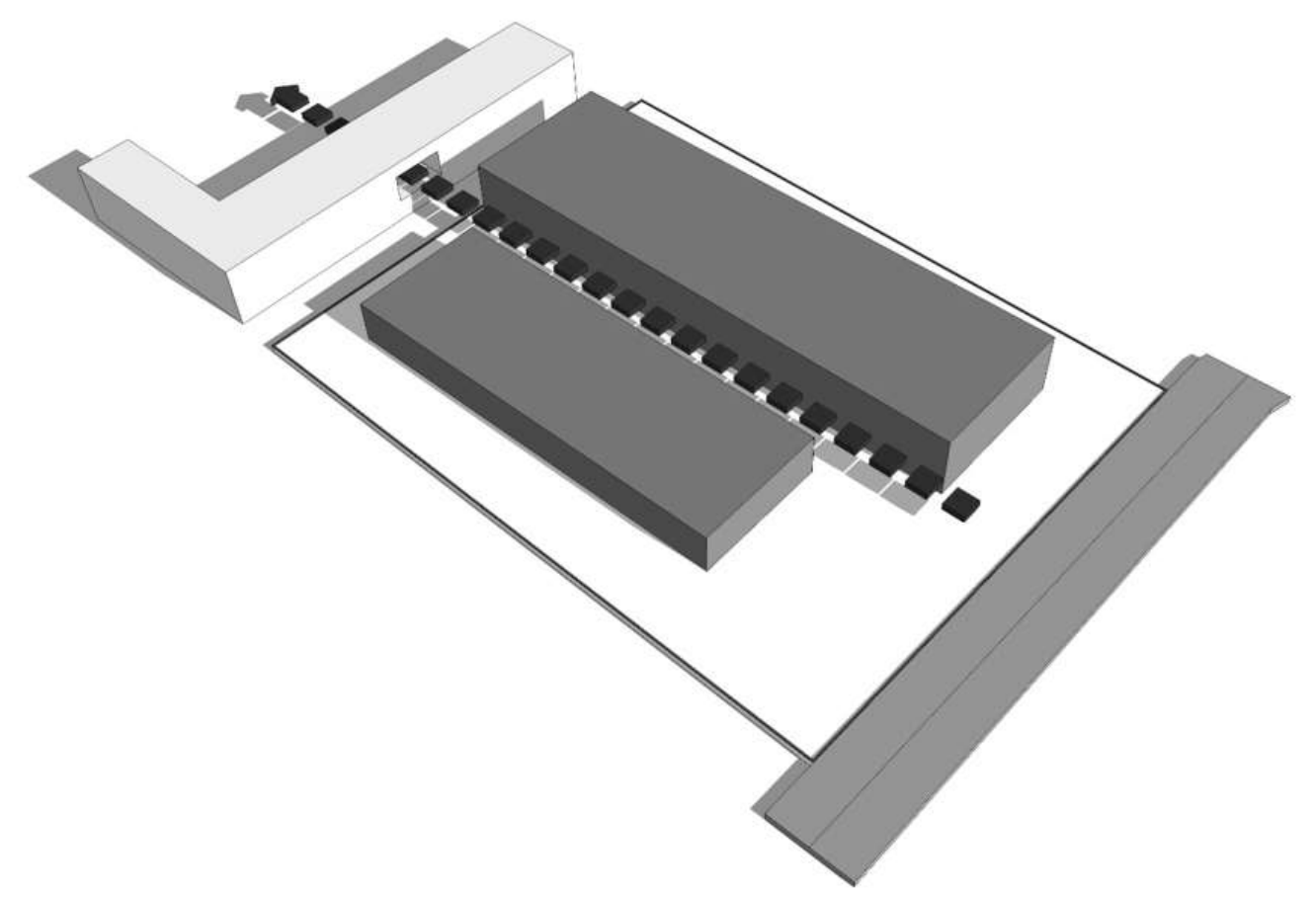
Context



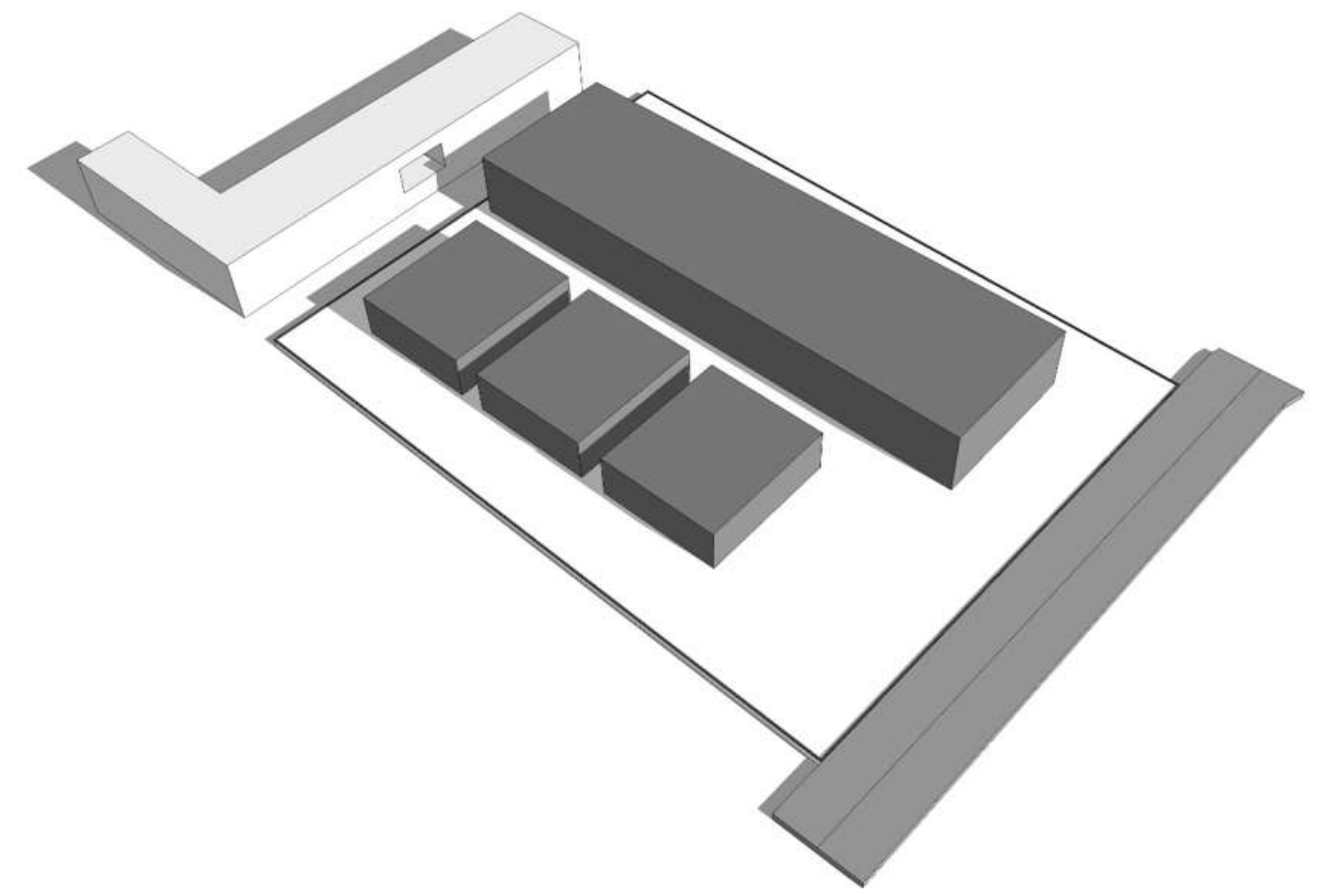
Massing



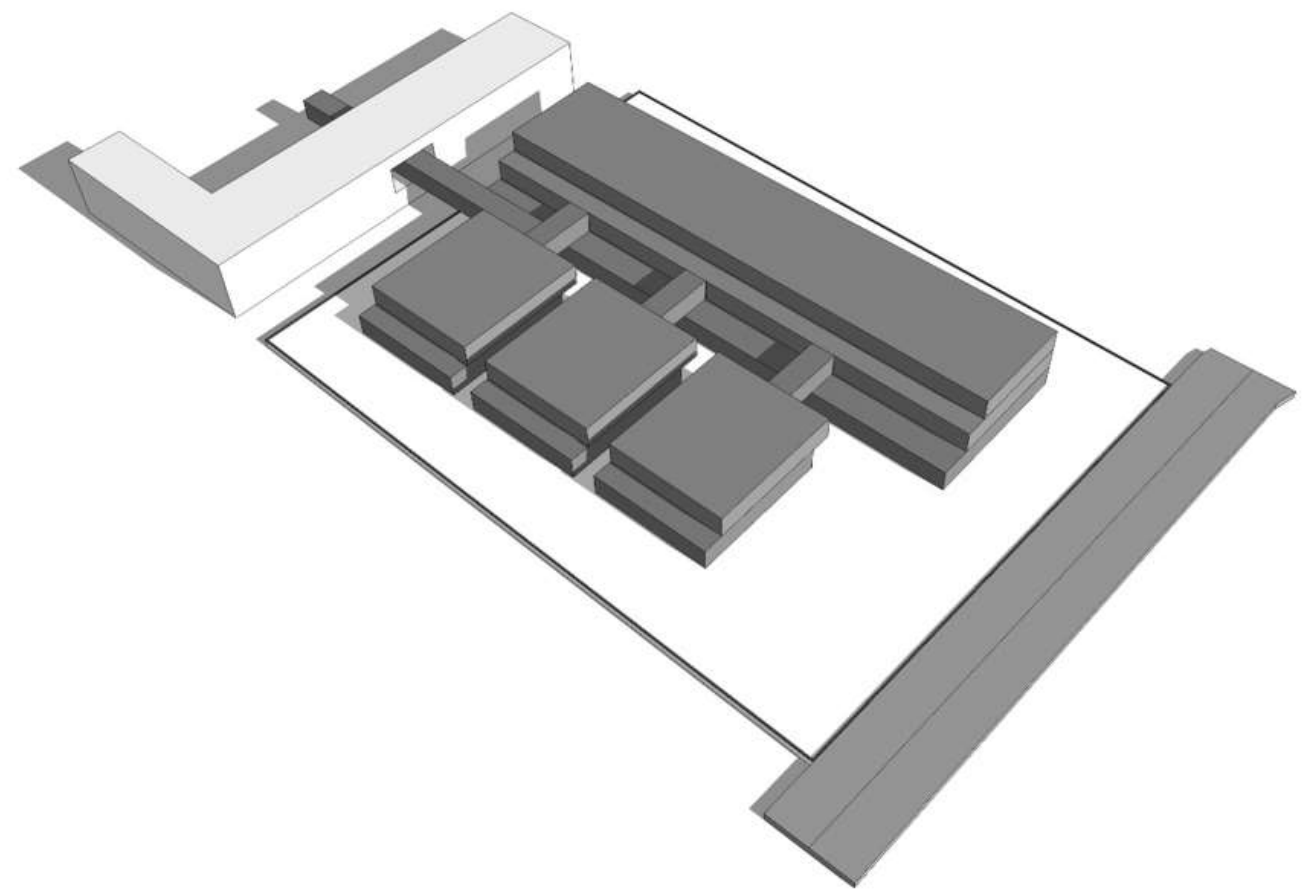
Connection



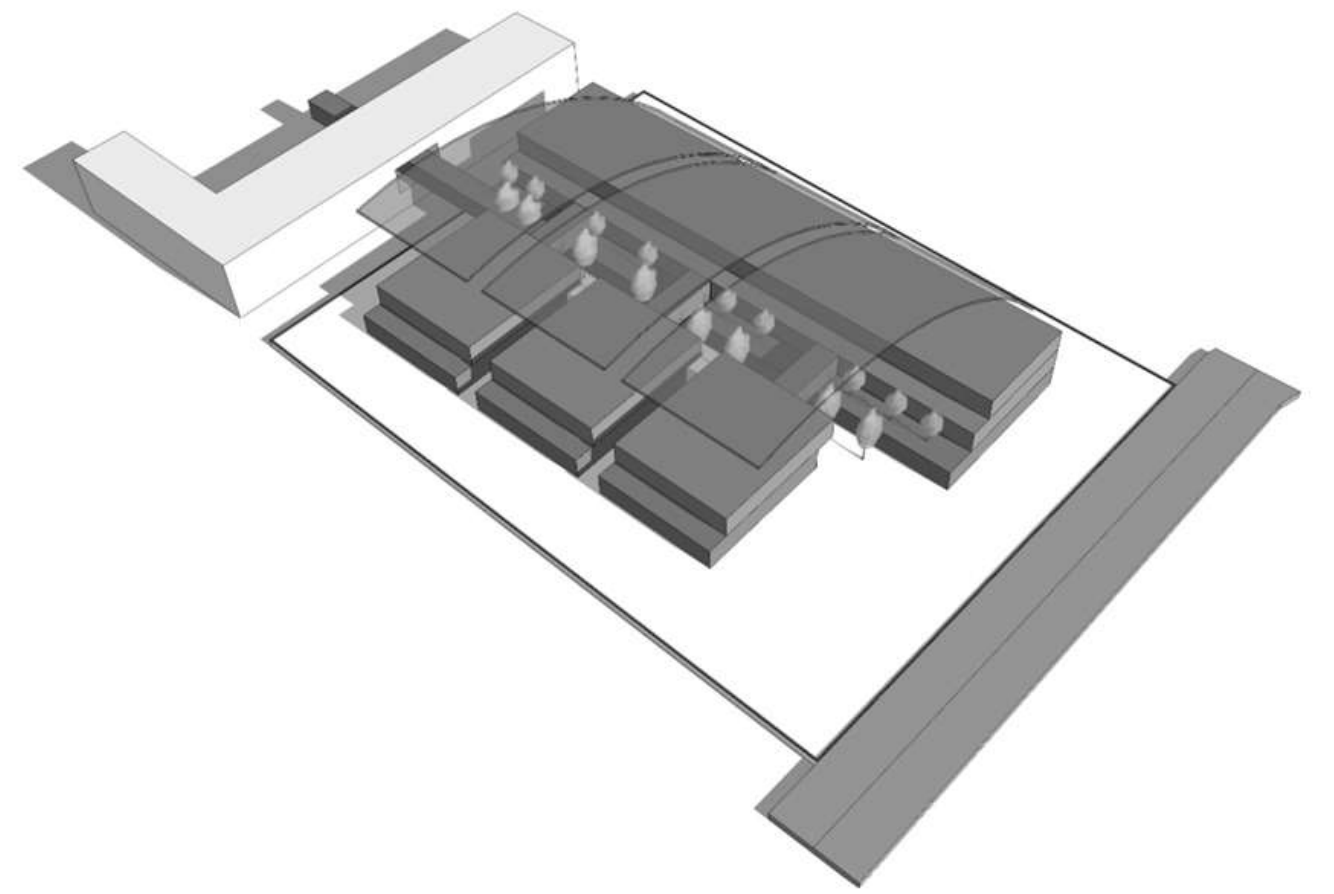
Division

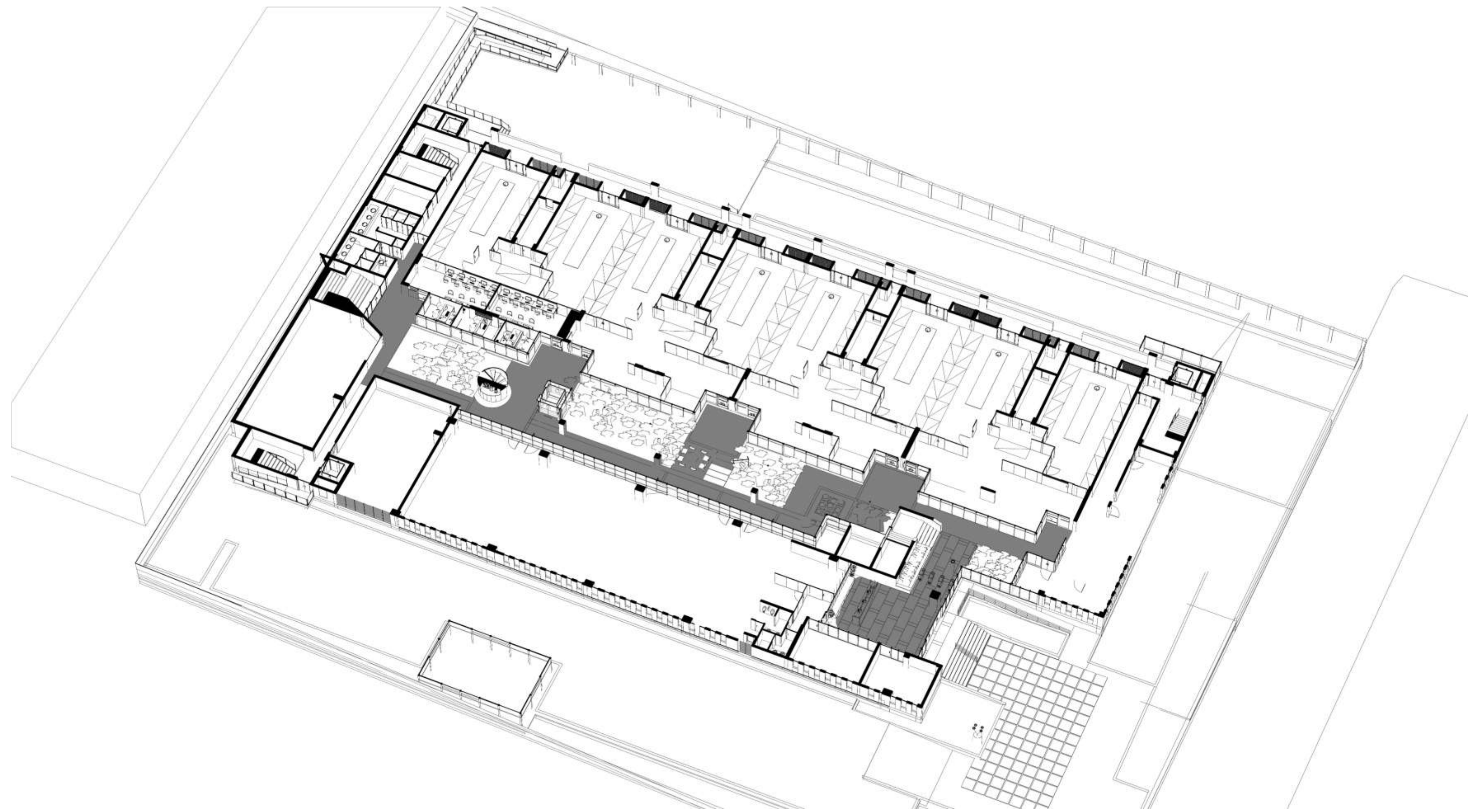


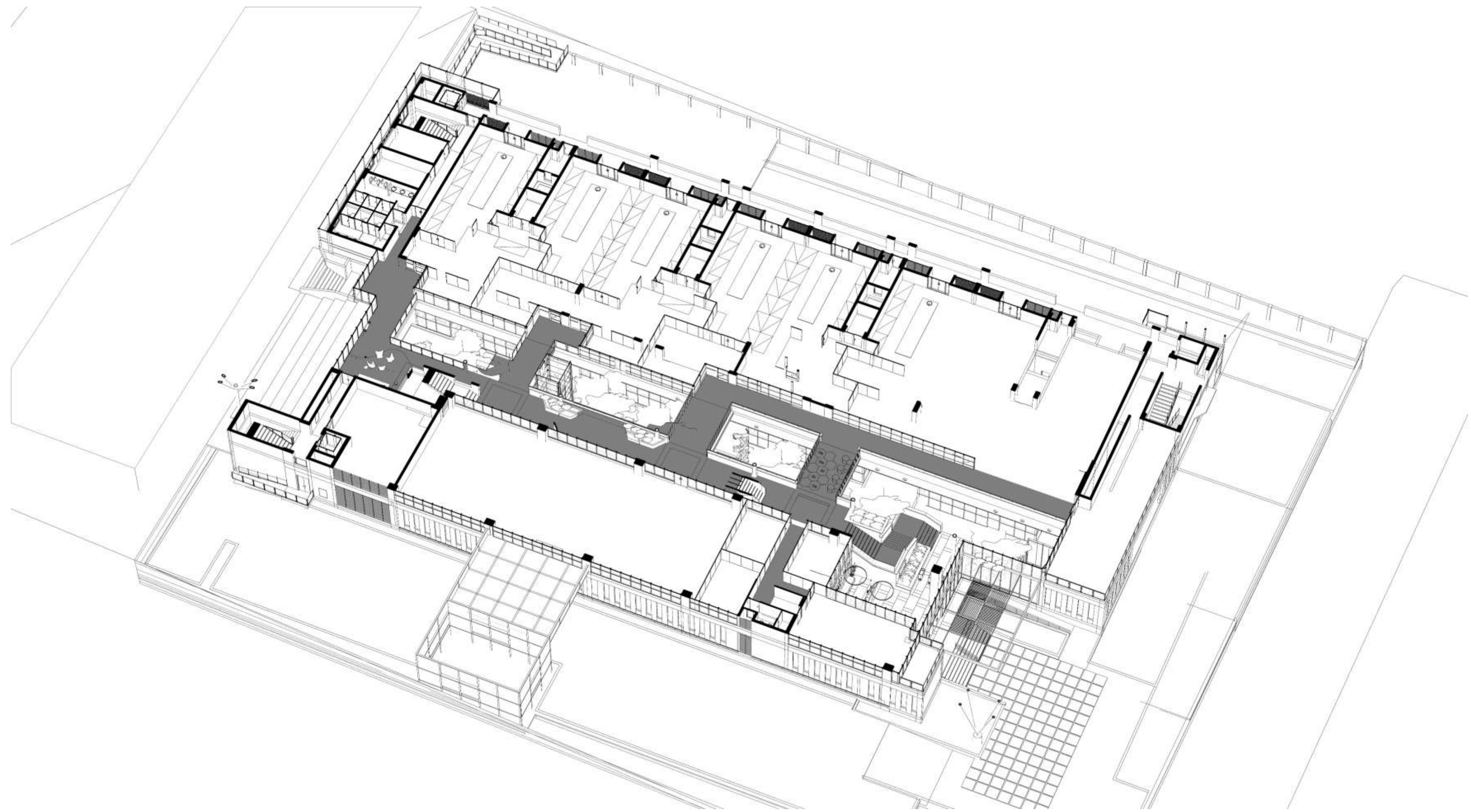
Terracing

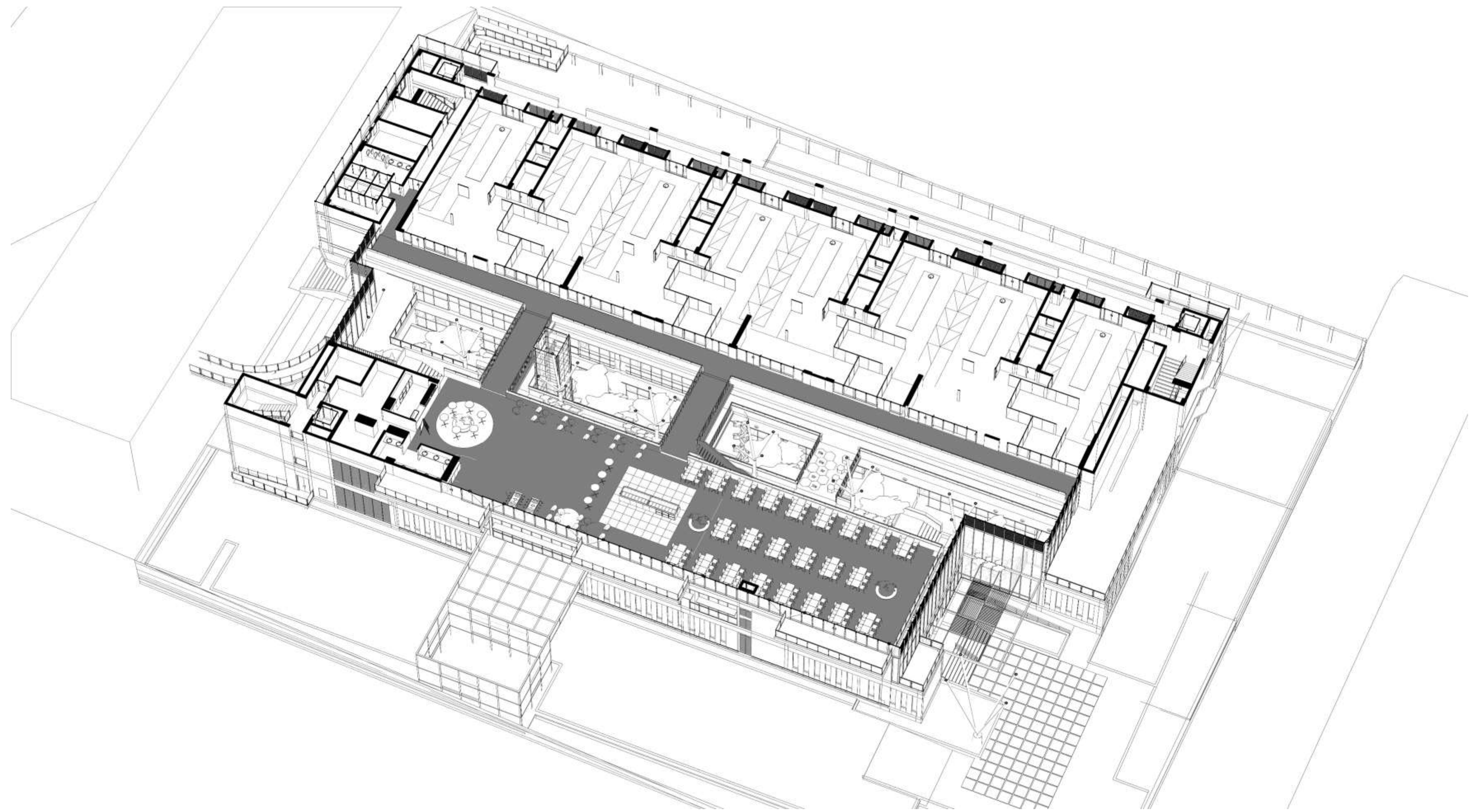


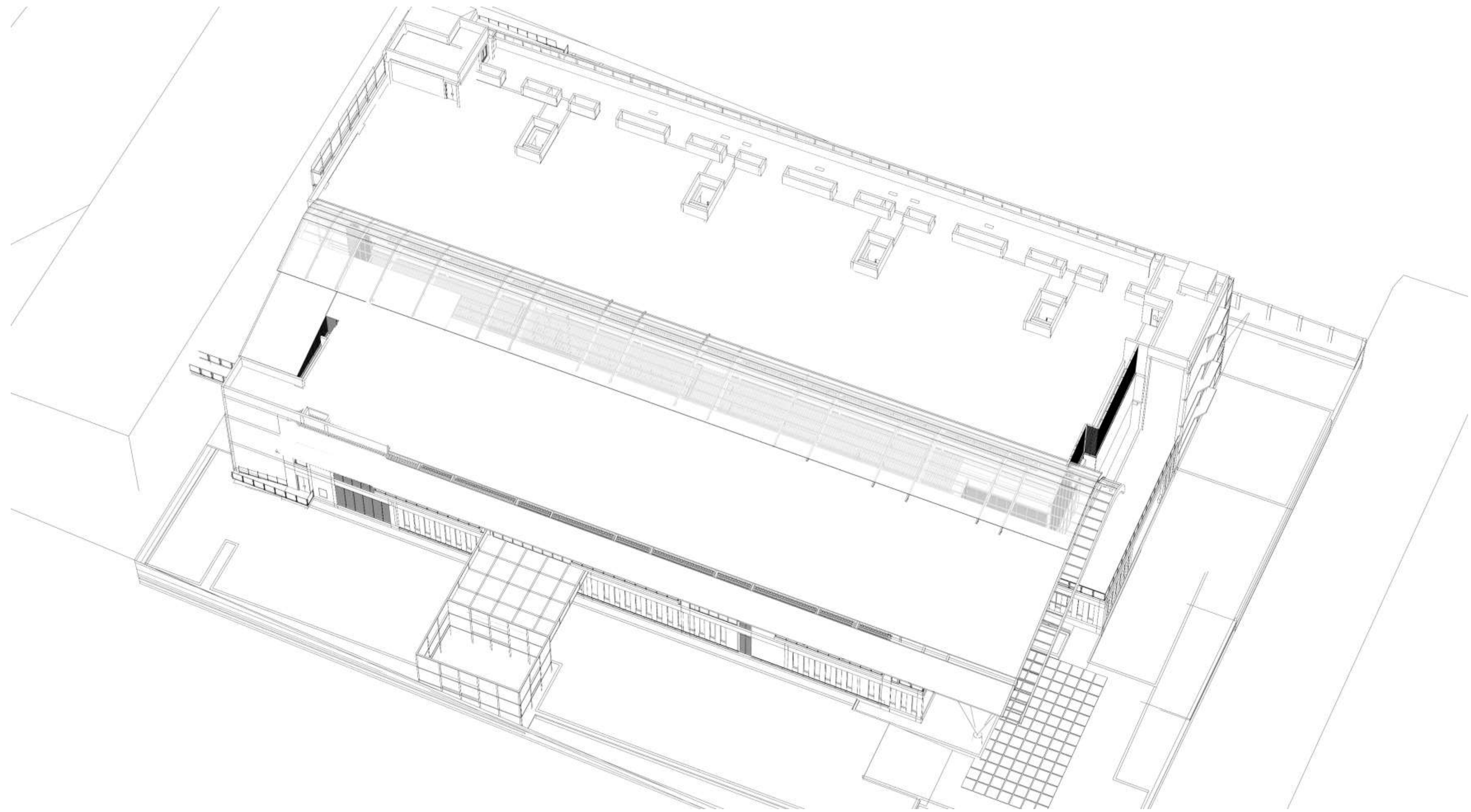
Shell

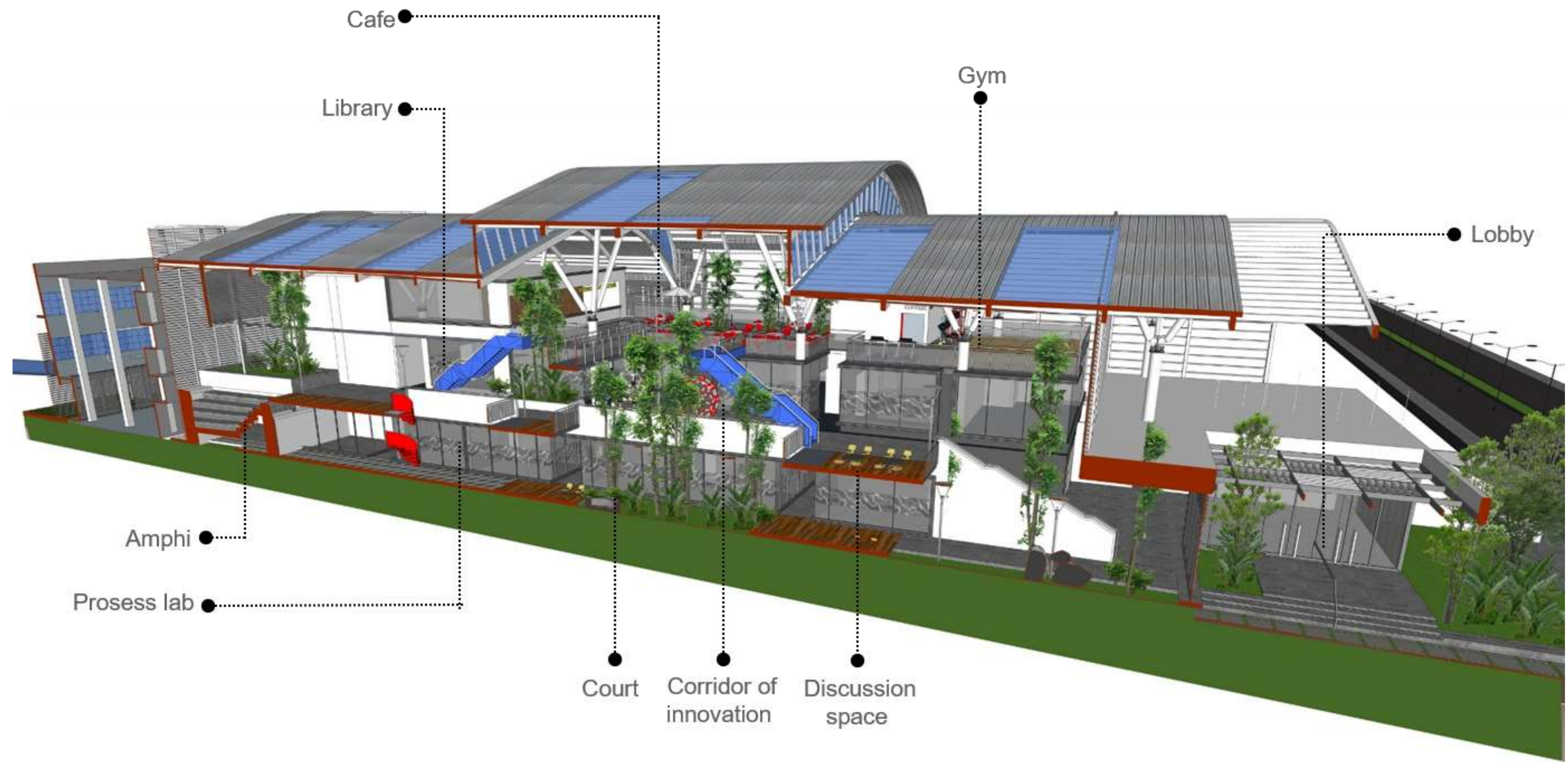






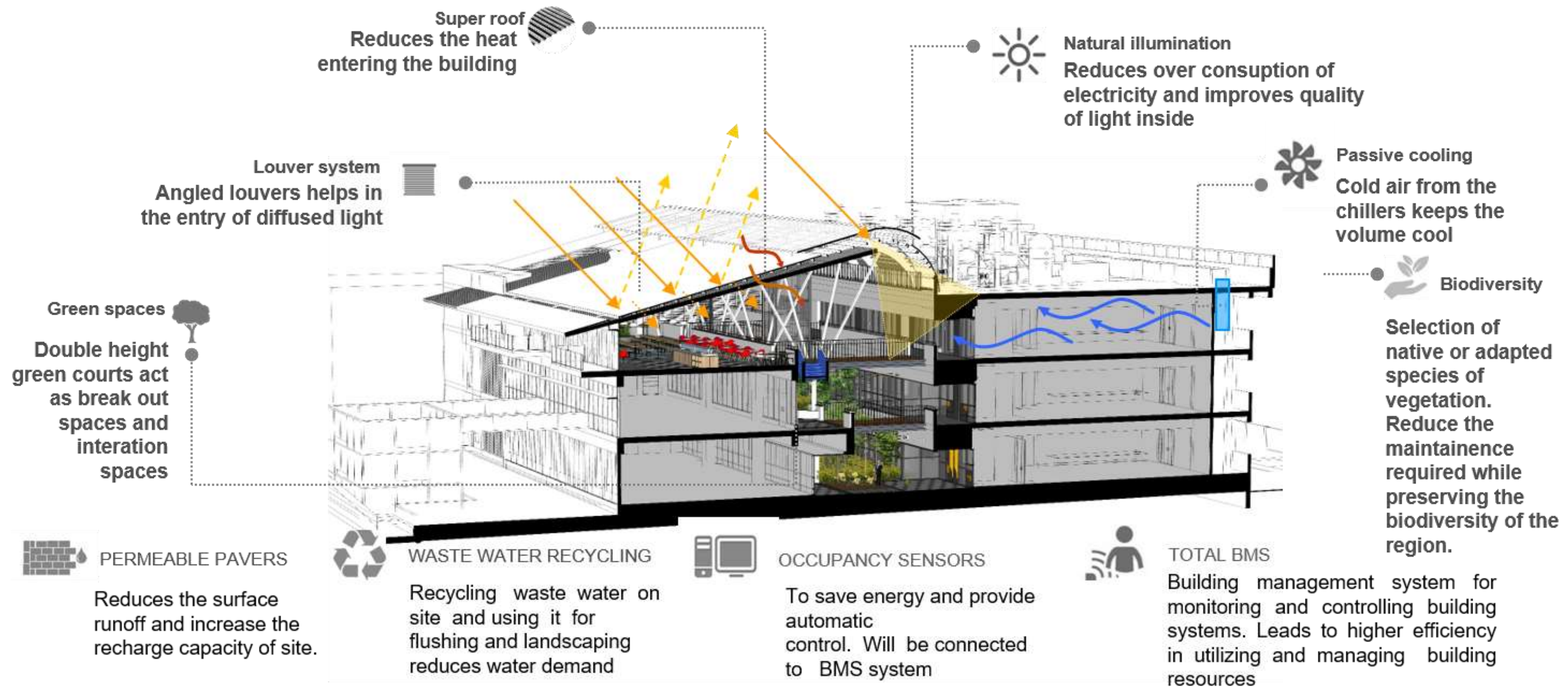


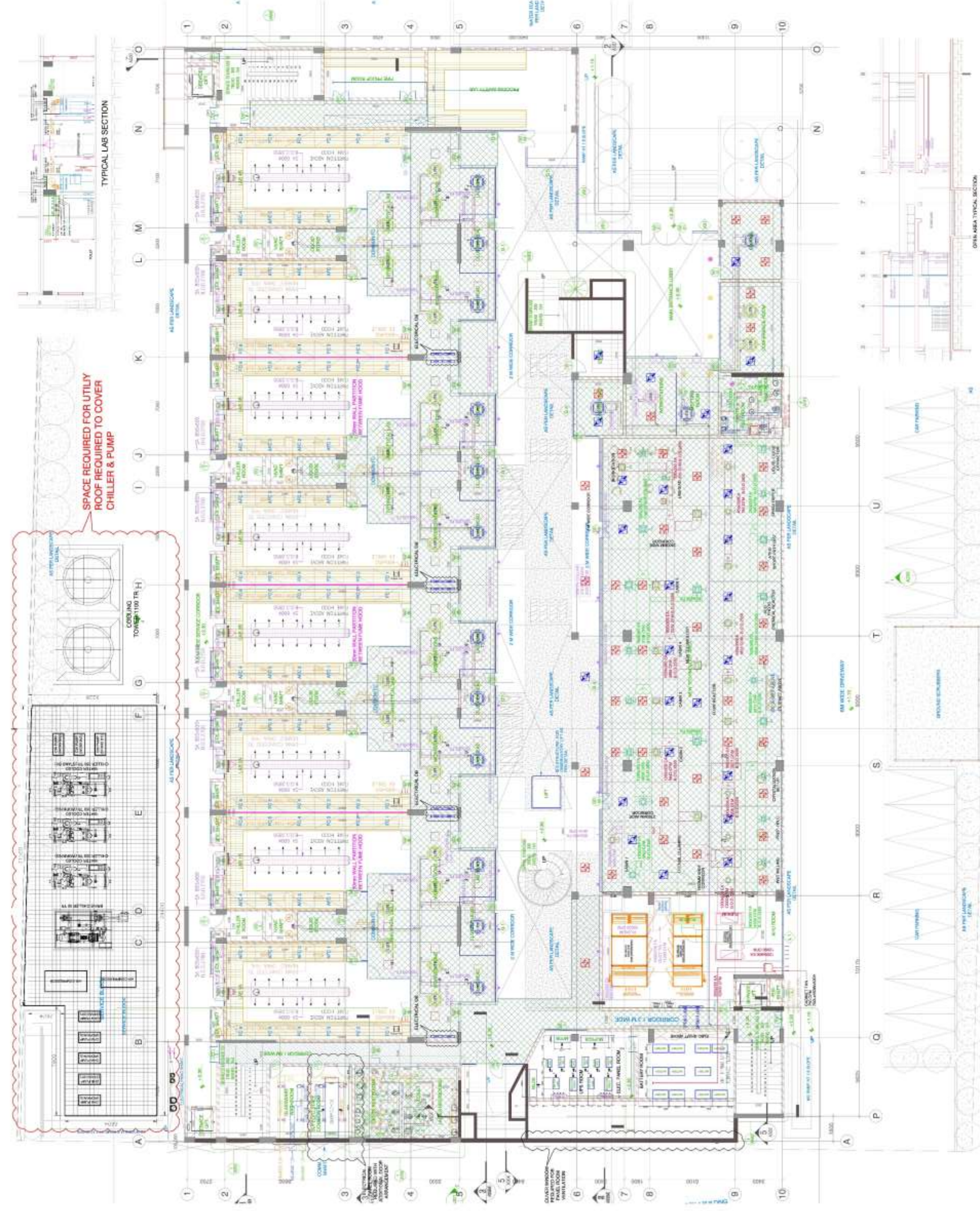
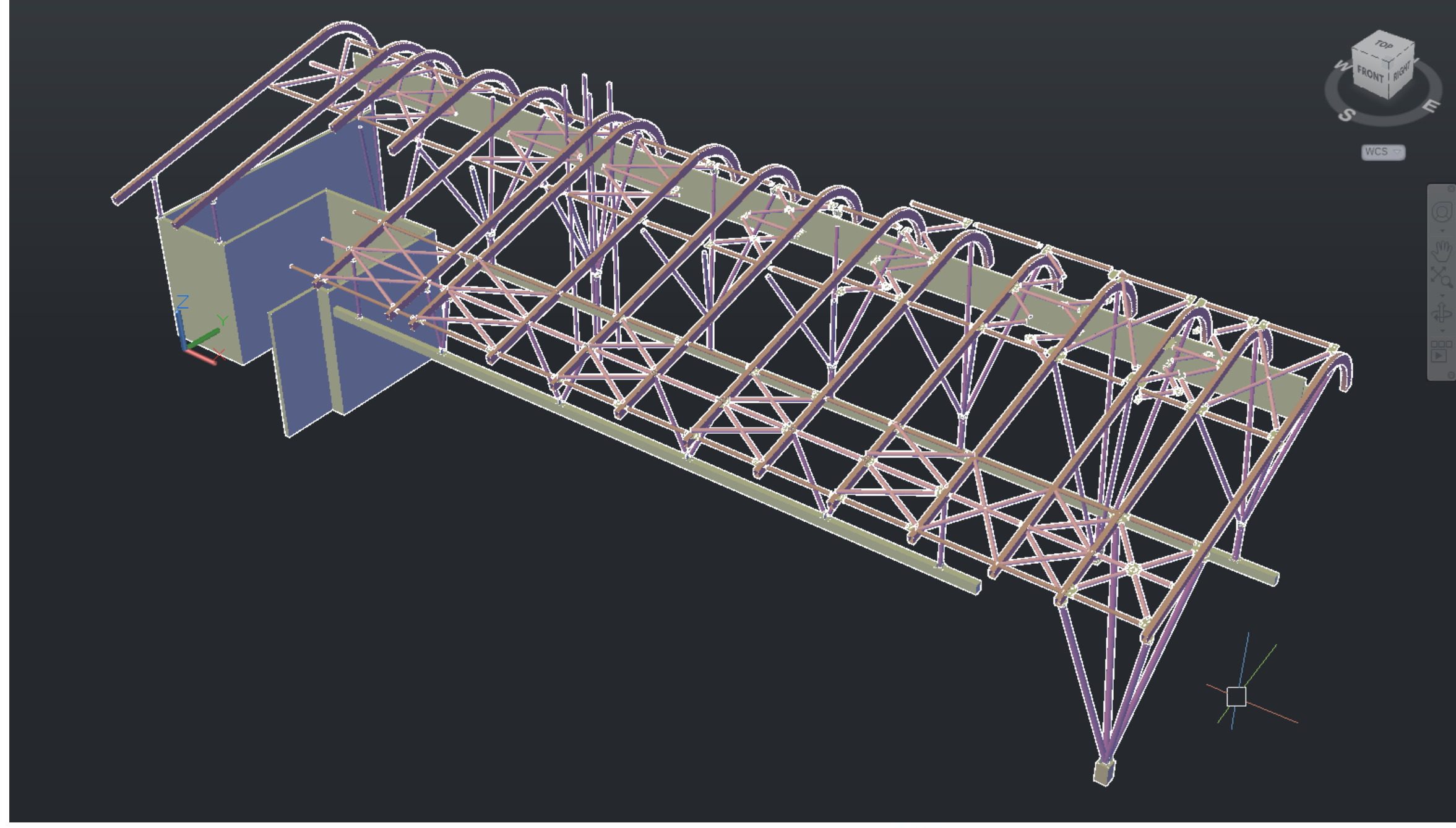
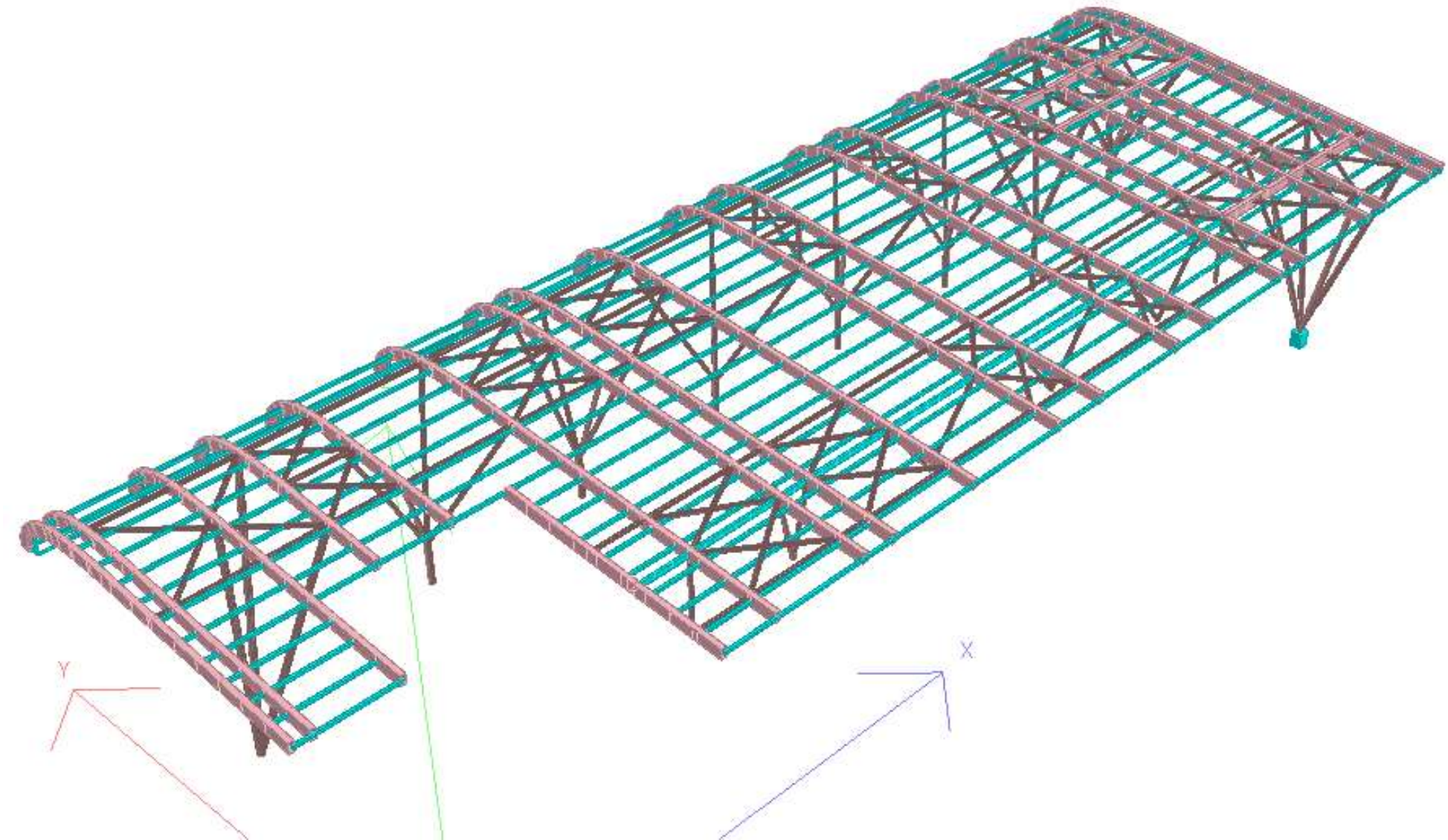




According to Forbes,

' employees who enjoy and like the environments they are a part of end up being more engaged, productive, happy, and healthy.'























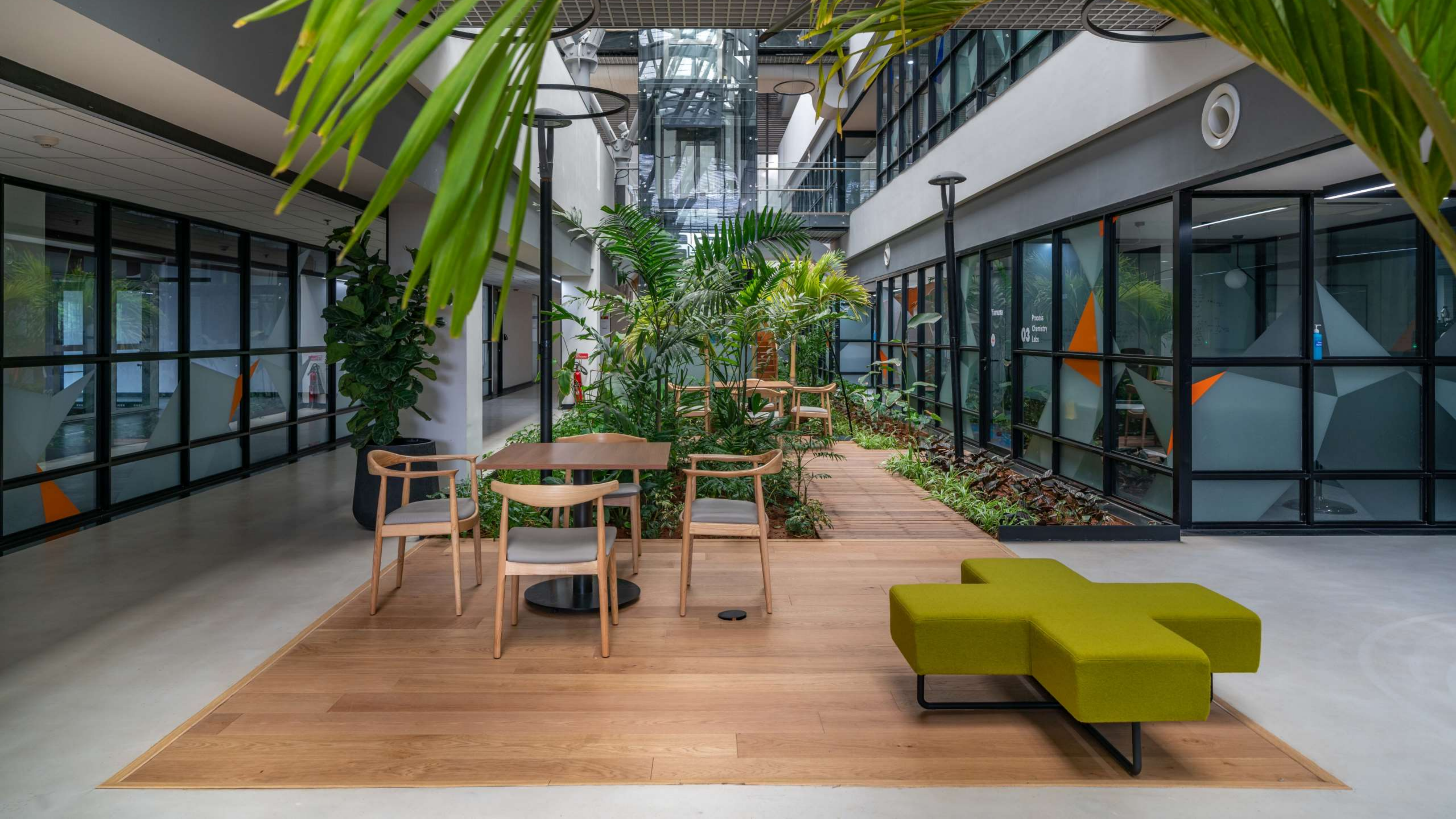


Narmada









Yamuna
03
Process
Chemistry
Labs

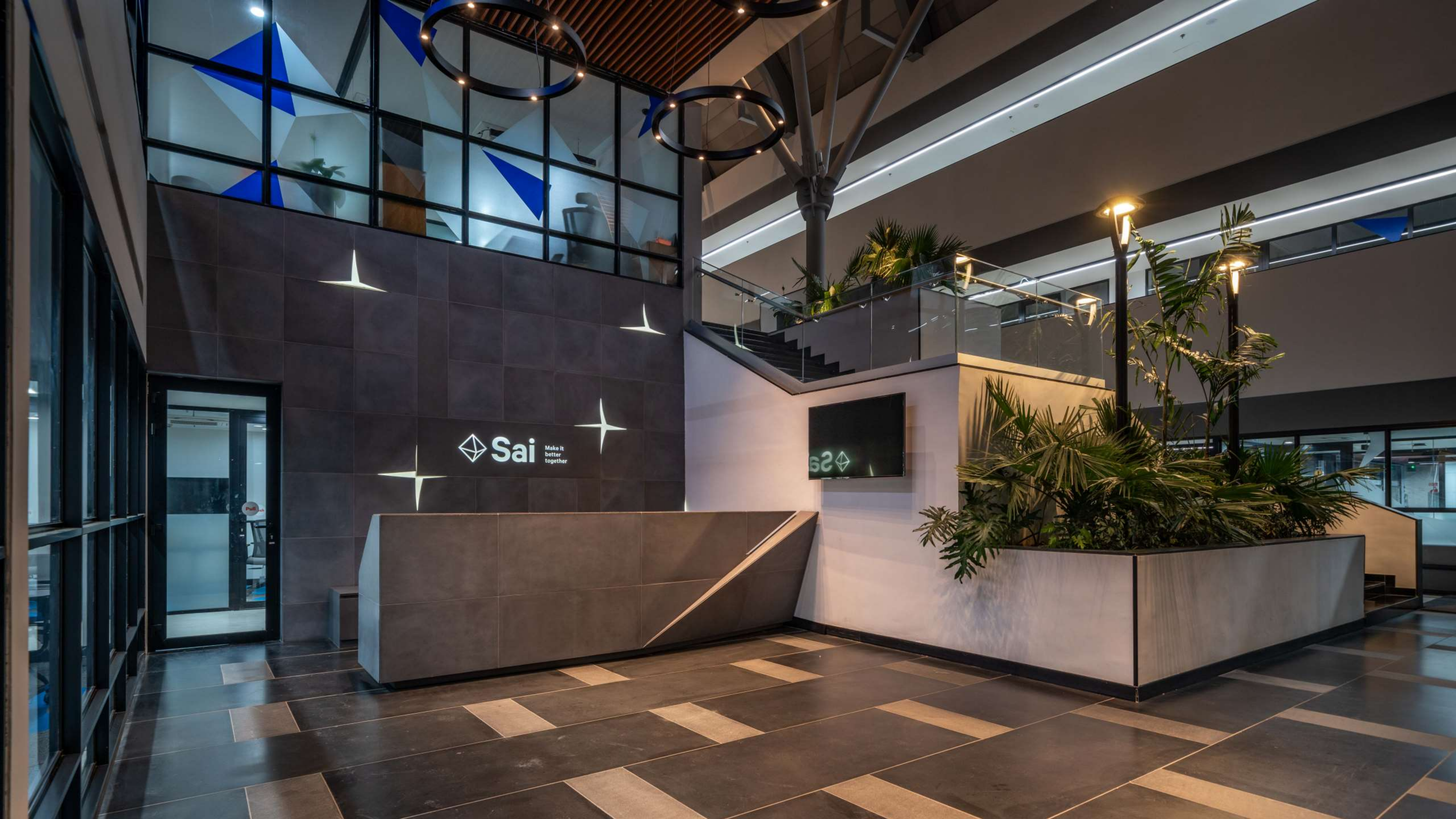












 **Sai** Make it better together





 Sai



Sai

Make it
better
together

Sai Life Sciences Limited

సాయి లైఫ్ సైన్సెస్ లిమిటెడ్



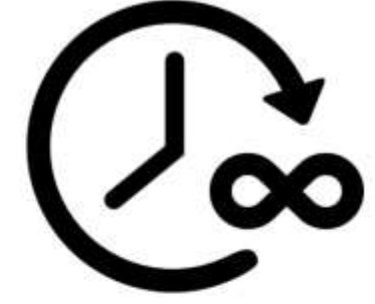
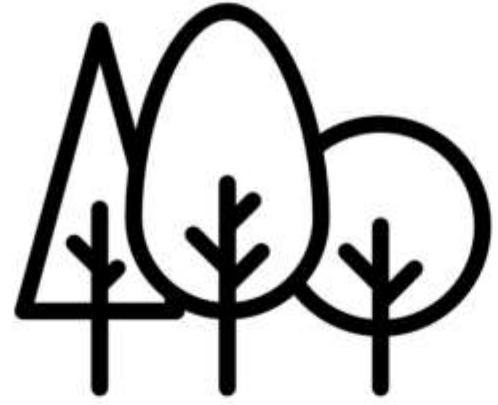






 Sai

→ Sai ←







ICONIC DESIGN

·will be a new identity for the Sai Life Sciences and in continuity with the previous R&T campus.

PUBLIC SPACE

·is an opportunity to weave the R&T campus, Phase I , II & III of new development along with the old campus and the garden of life.

COMMUNITY ENGAGEMENT

·should fit with Sai Life community values and aspirations of integrity, ownership, transparency, ownership, reliability, respect, reliability, collaboration and perseverance.

BIOFILLIC DESIGN

·it will bring the landscape inside the architecture and make it a celebration of the local flora & fauna.
·The lake is restored and revived to former glory and becomes the focal point of the new development.

INCLUSIVE DESIGN

·the design caters to the wellbeing for the employees, making it a public space with open access to café and restaurant facilities with sweeping views of the lake and the garden

RESTORATIVE ENVIRONMENT

·The site becomes a relief point for the local site context. Creating an oasis for the three development sites and the urban context.

MANUFACTURE AND ASSEMBLY PROCESS

·a manufacture and assembly process with precast and steel is used for the core and the special elements of the design to make it a efficient and innovative construction process

ECONOMY

·the manufacture process along with efficient planning will ensure economy of construction

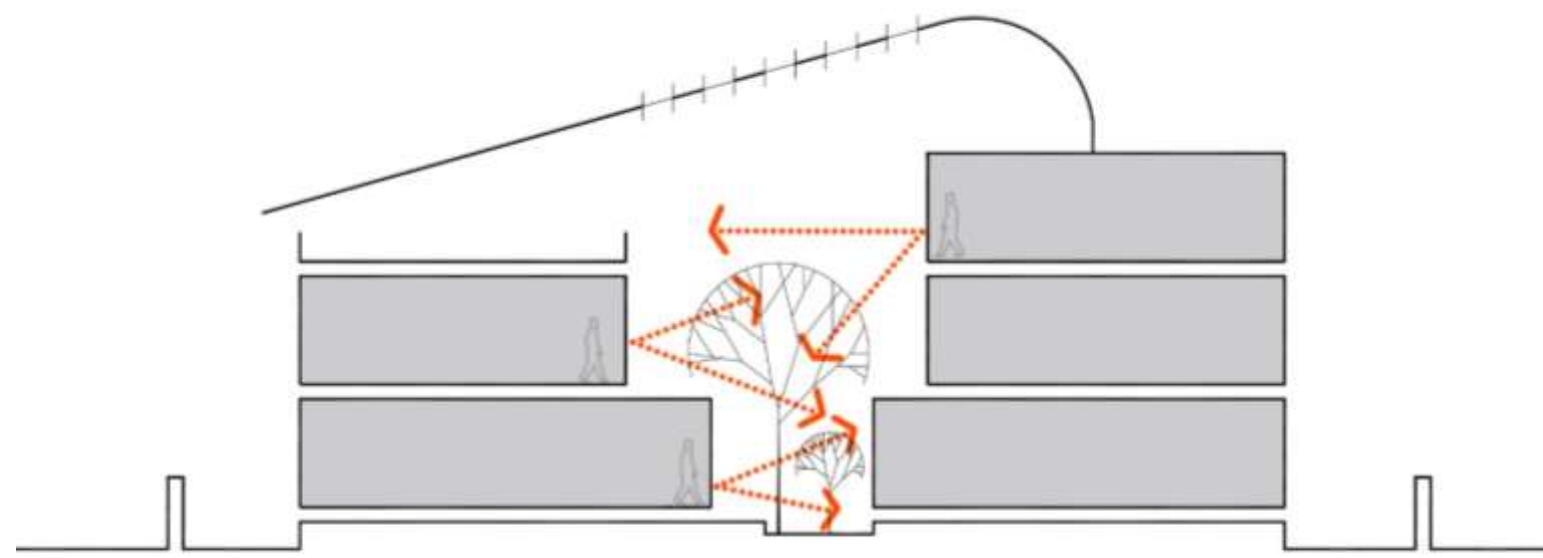
FUTURE EXPANSION

·will be integral to the further planning and development of the area
· Considered phase wise development of the site

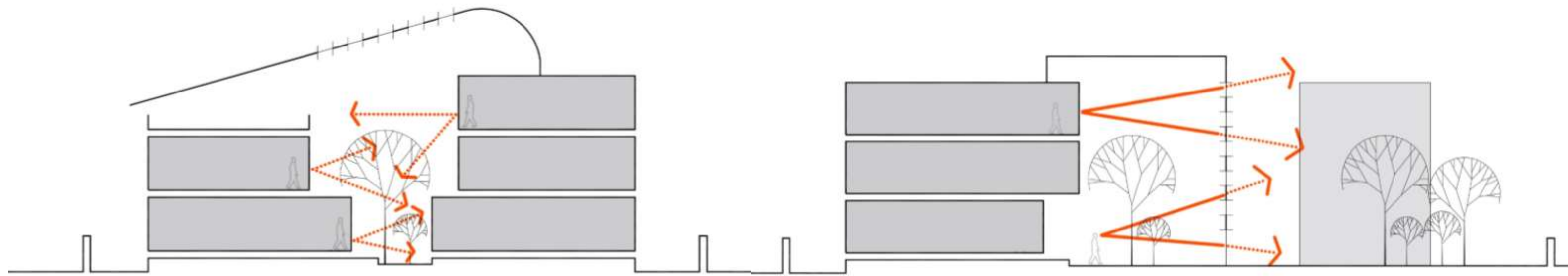




EXISTING SITE

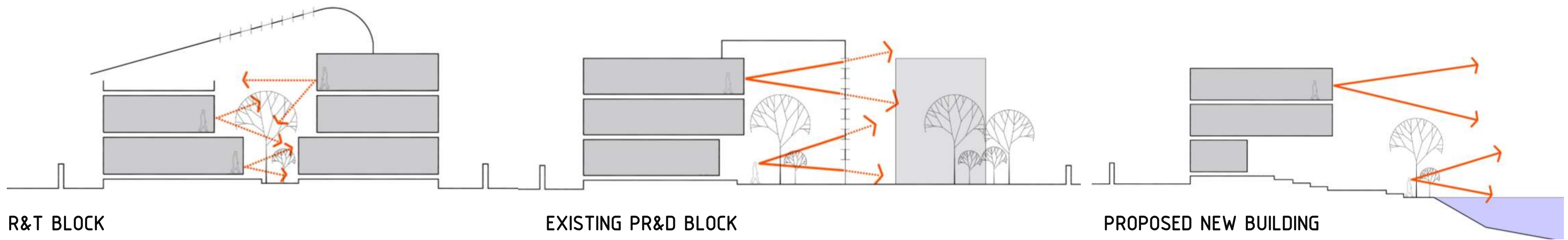


R&T BLOCK



R&T BLOCK

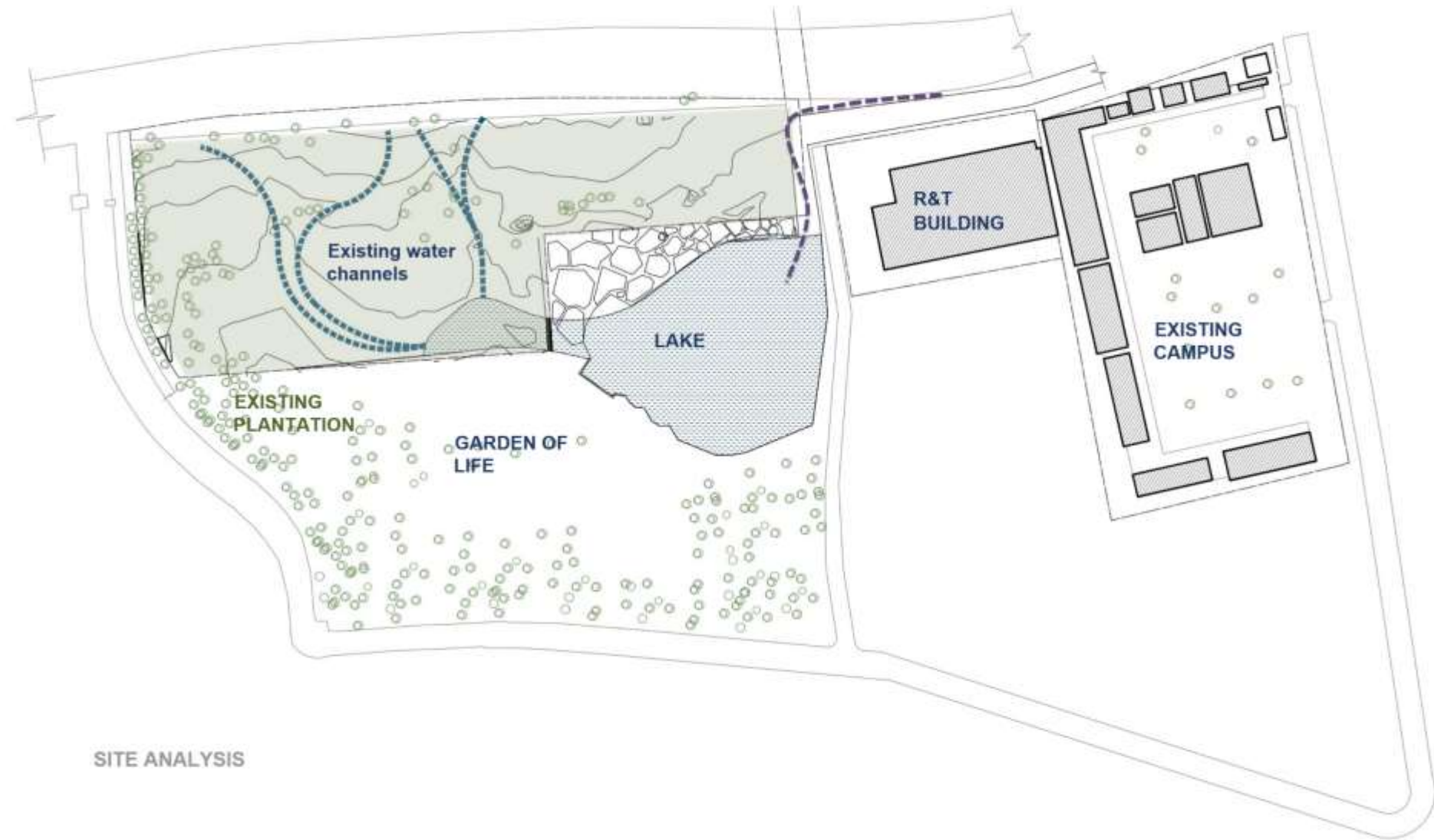
EXISTING PR&D BLOCK



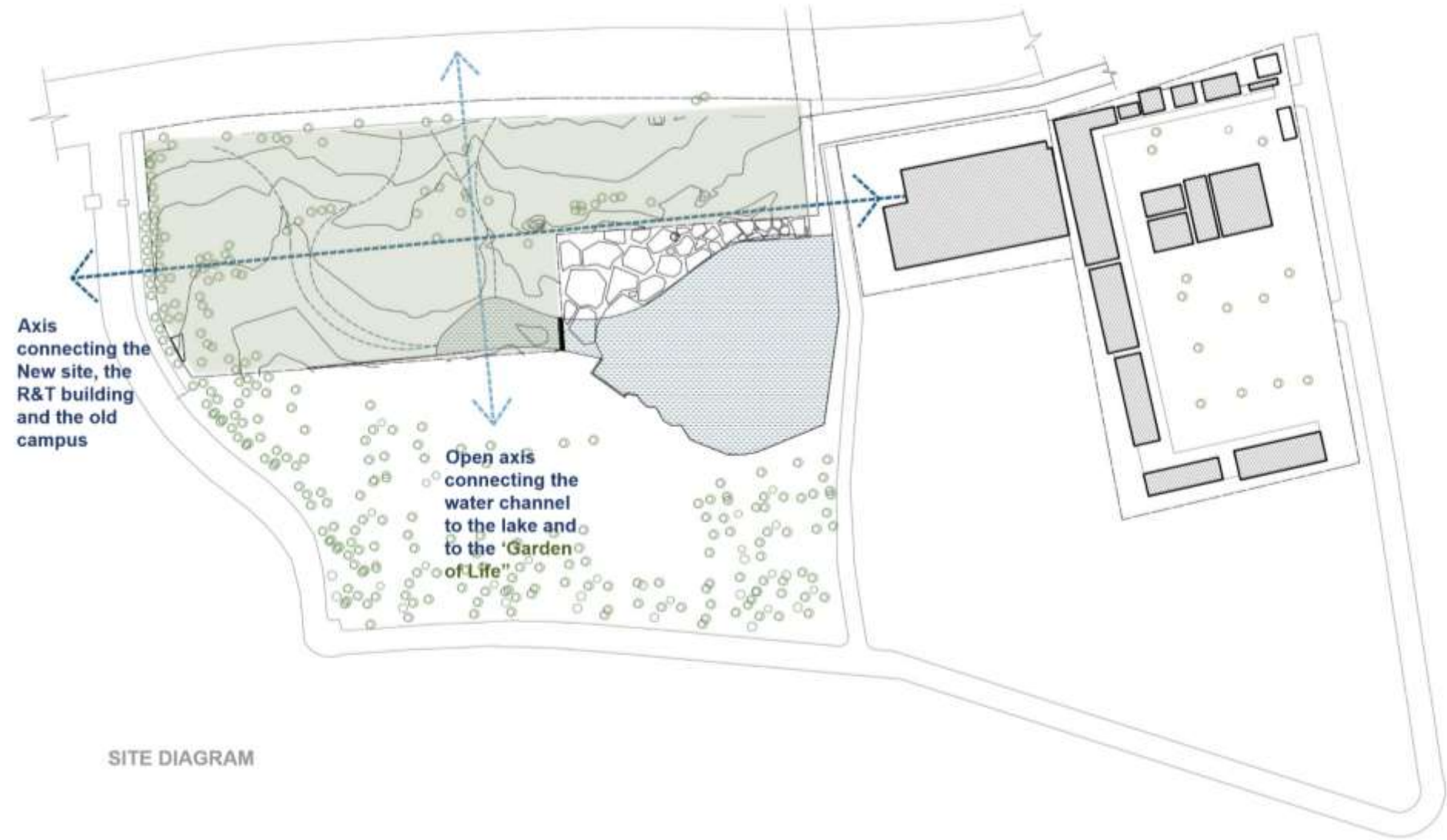
R&T BLOCK

EXISTING PR&D BLOCK

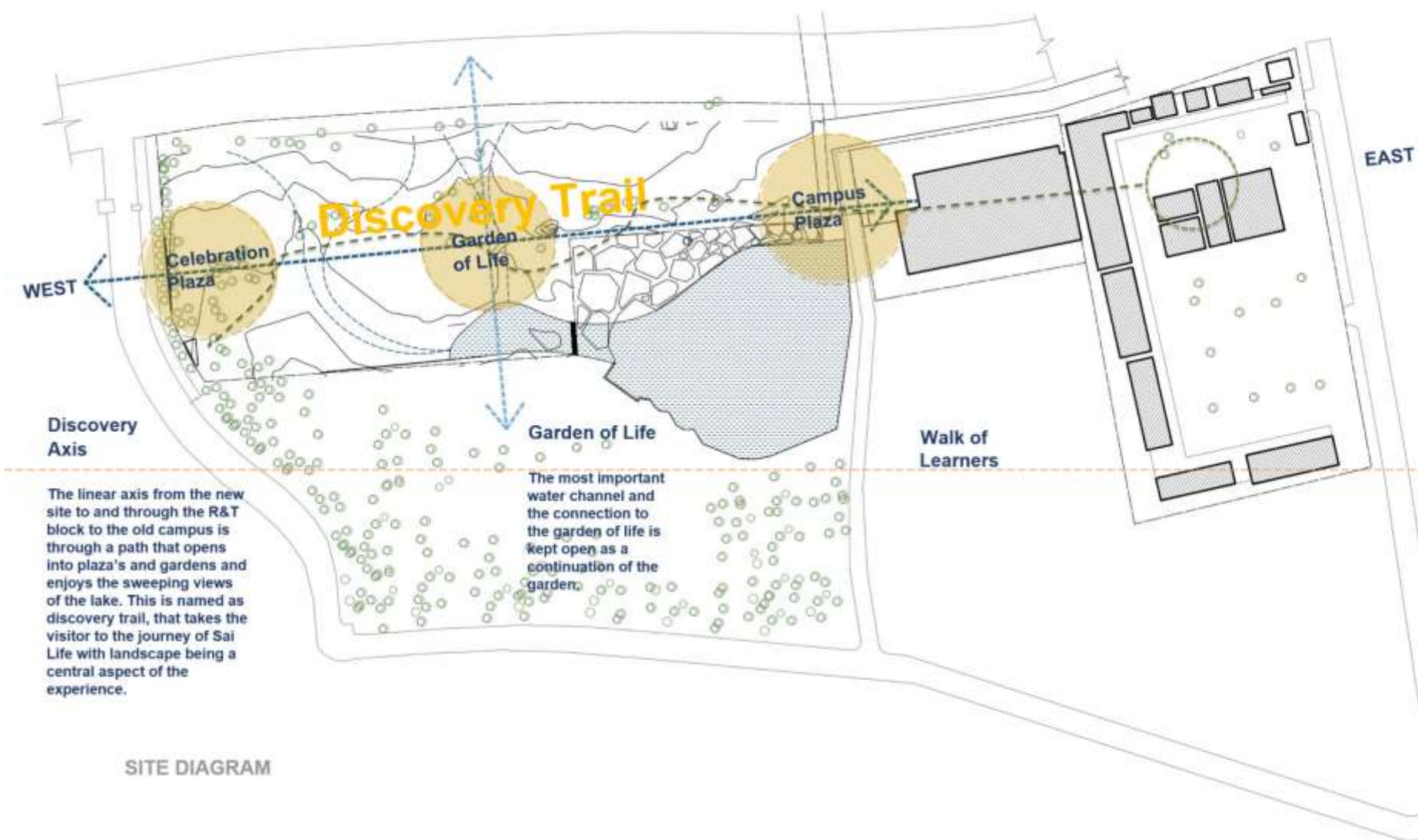
PROPOSED NEW BUILDING



SITE ANALYSIS

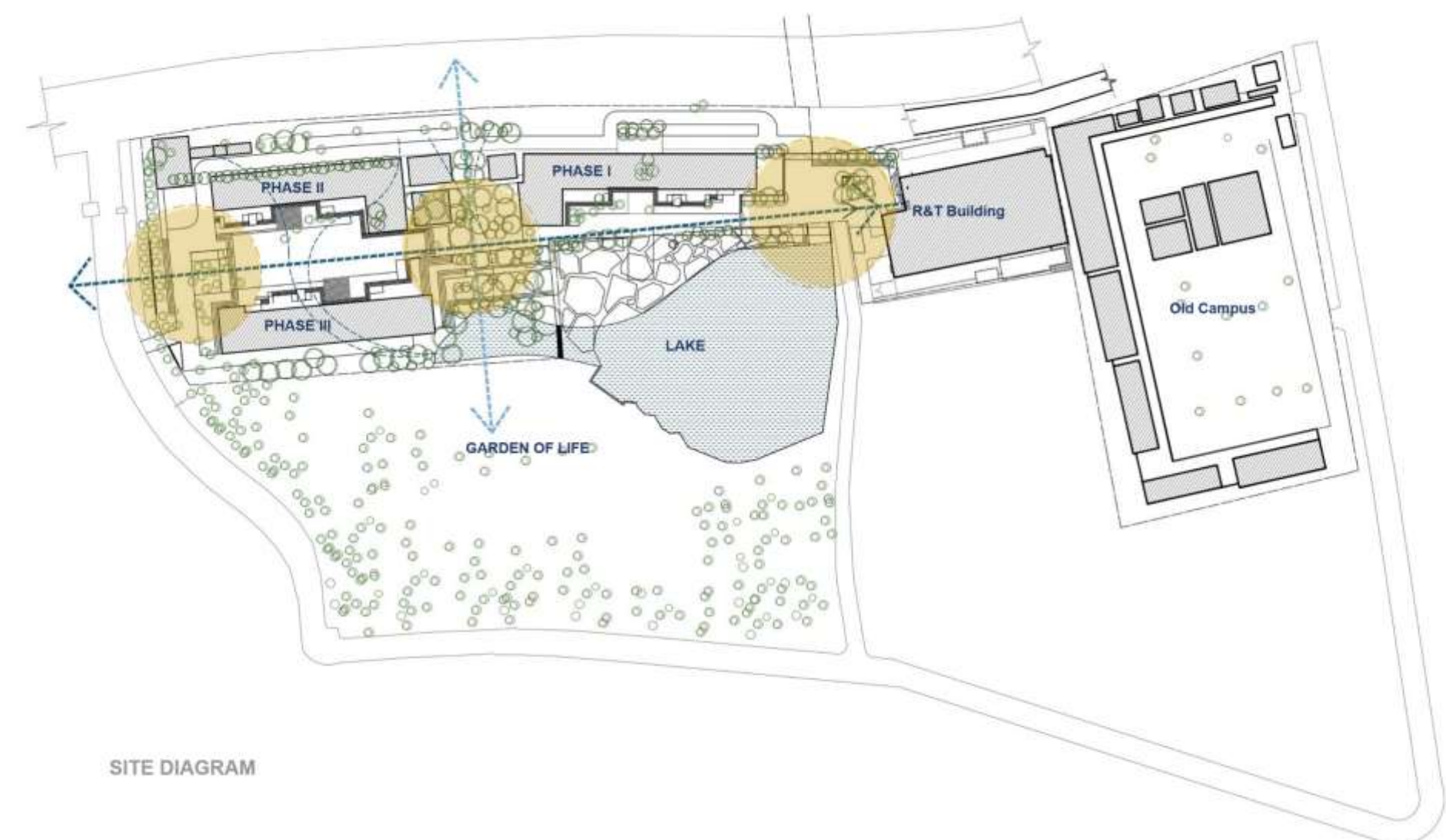


SITE DIAGRAM



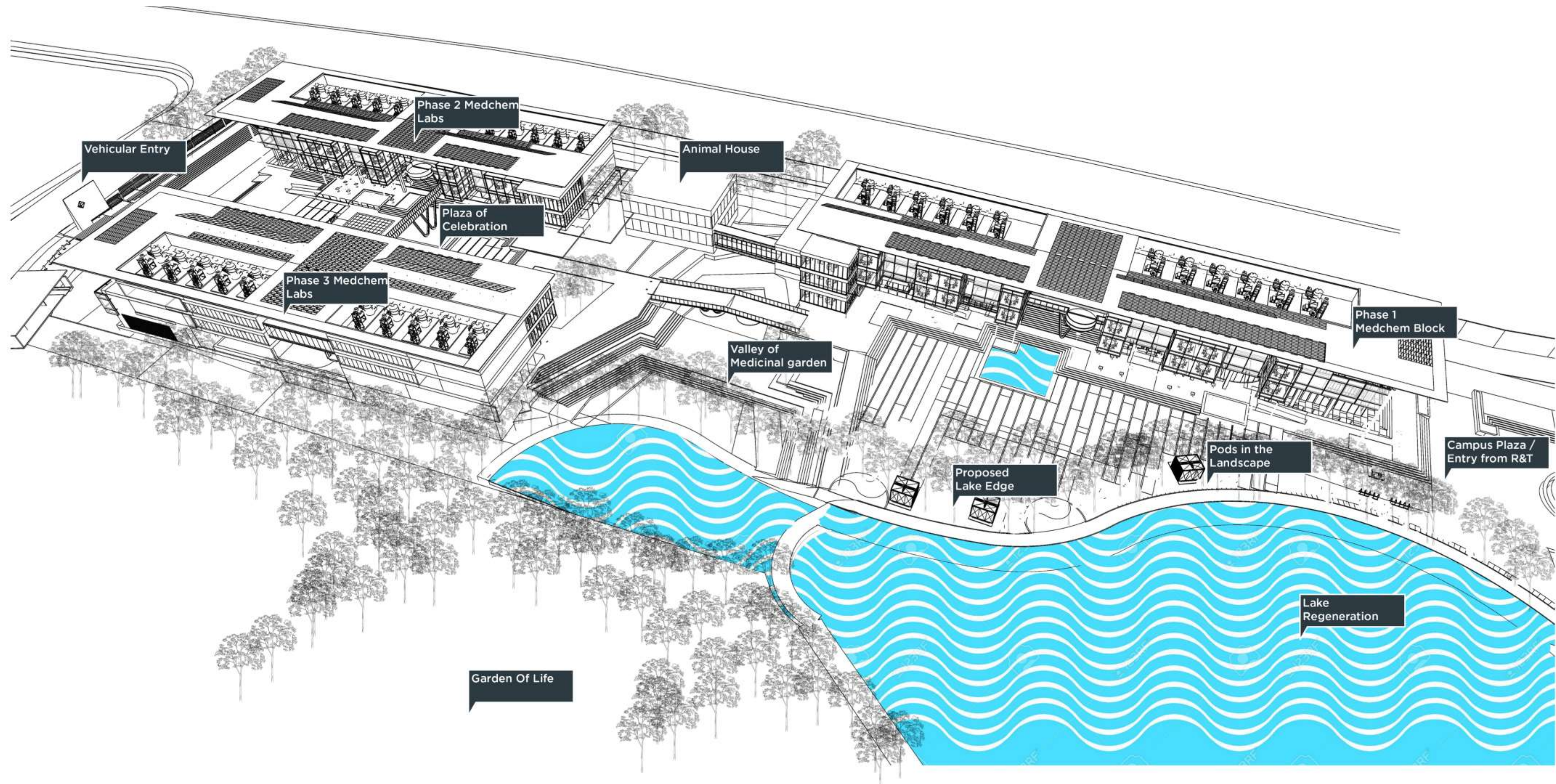
Discovery Axis
The linear axis from the new site to and through the R&T block to the old campus is through a path that opens into plaza's and gardens and enjoys the sweeping views of the lake. This is named as discovery trail, that takes the visitor to the journey of Sai Life with landscape being a central aspect of the experience.

SITE DIAGRAM



SITE DIAGRAM





Vehicular Entry

Phase 2 Medchem Labs

Animal House

Plaza of Celebration

Phase 3 Medchem Labs

Phase 1 Medchem Block

Valley of Medicinal garden

Pods in the Landscape

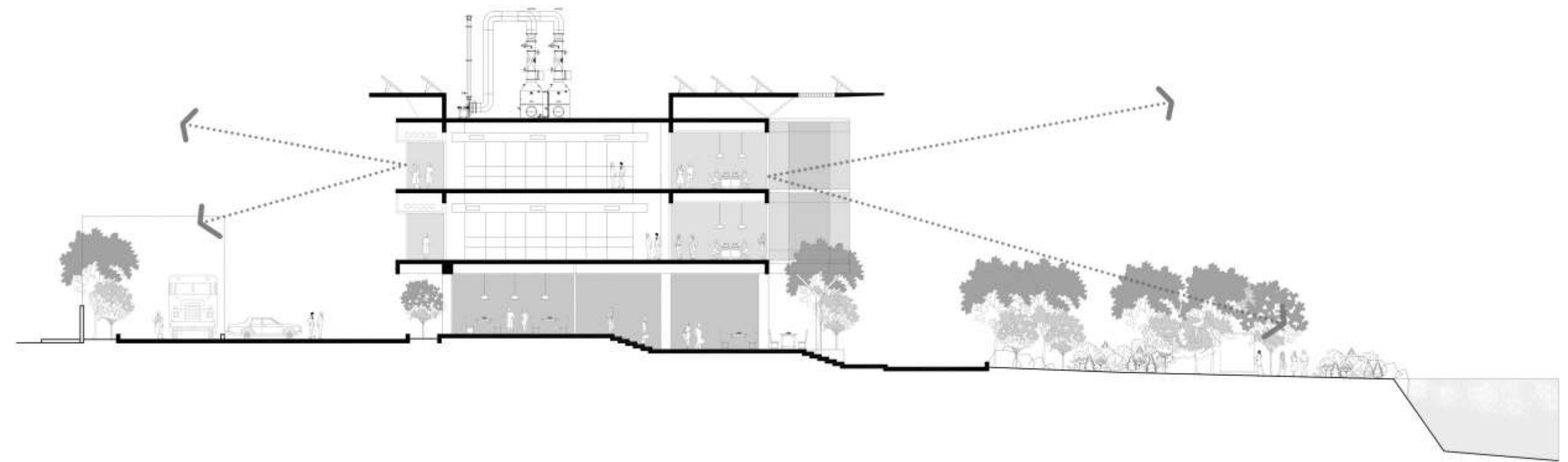
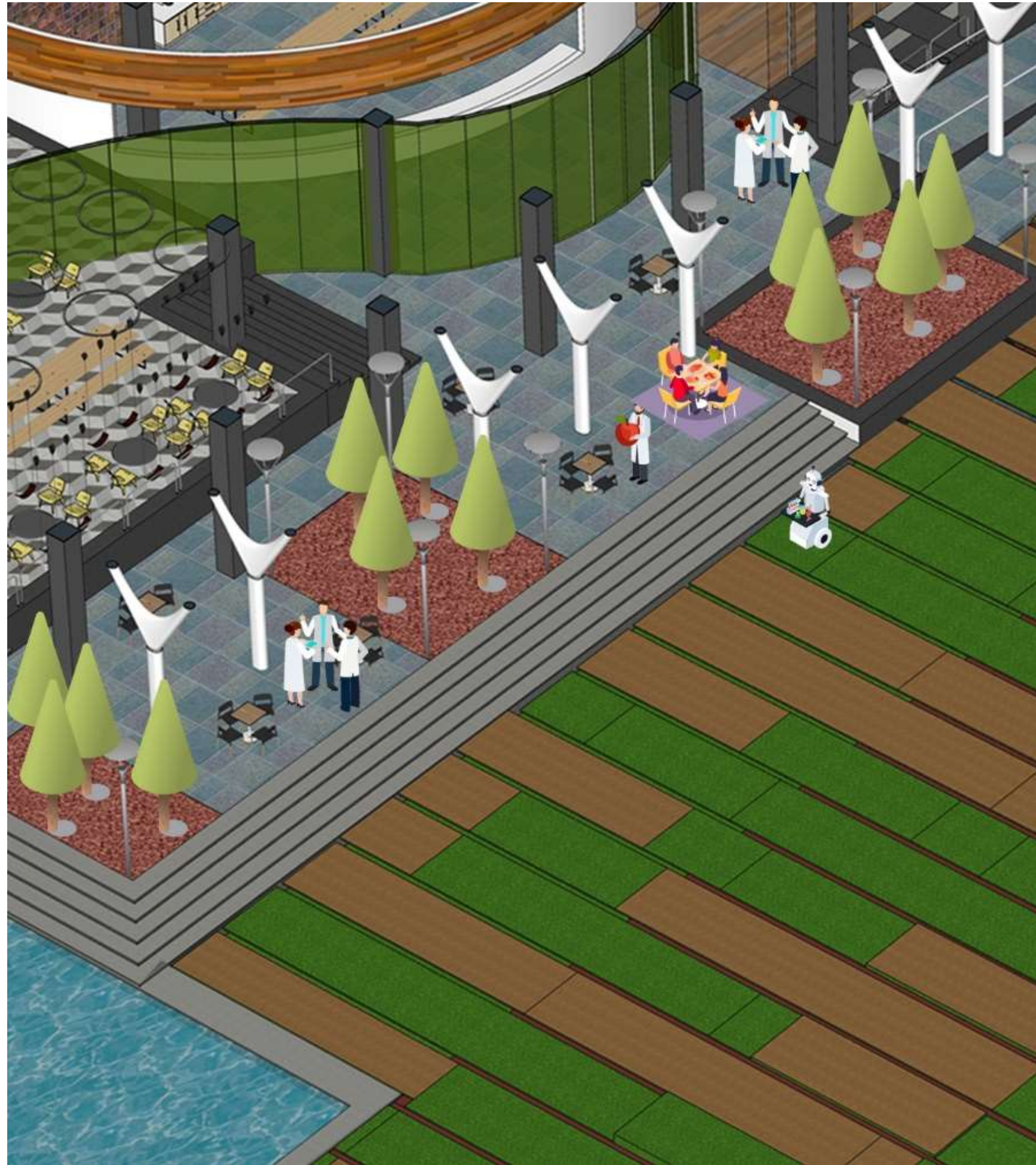
Campus Plaza / Entry from R&T

Proposed Lake Edge

Lake Regeneration

Garden Of Life

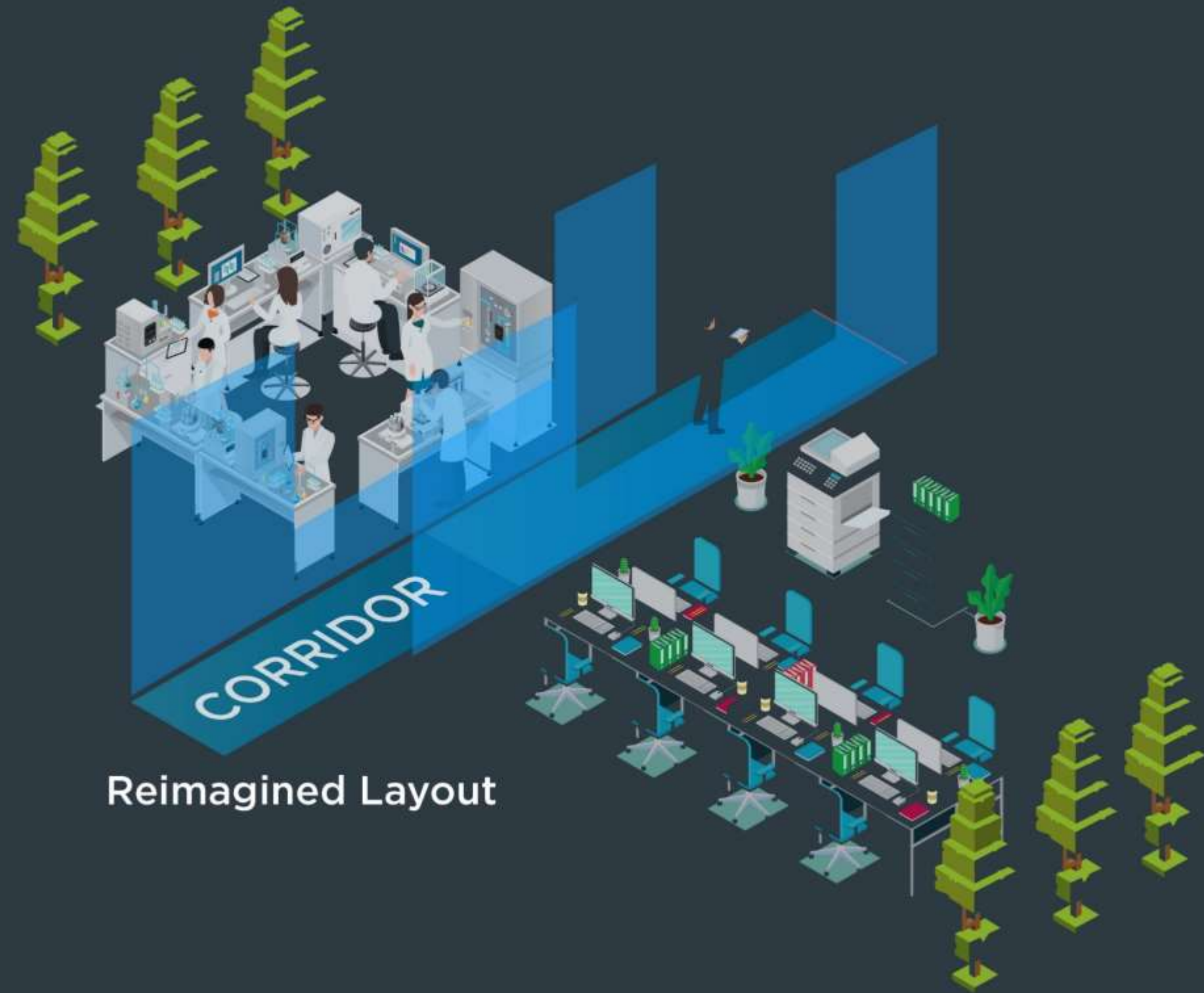








Conventional Layout



Reimagined Layout











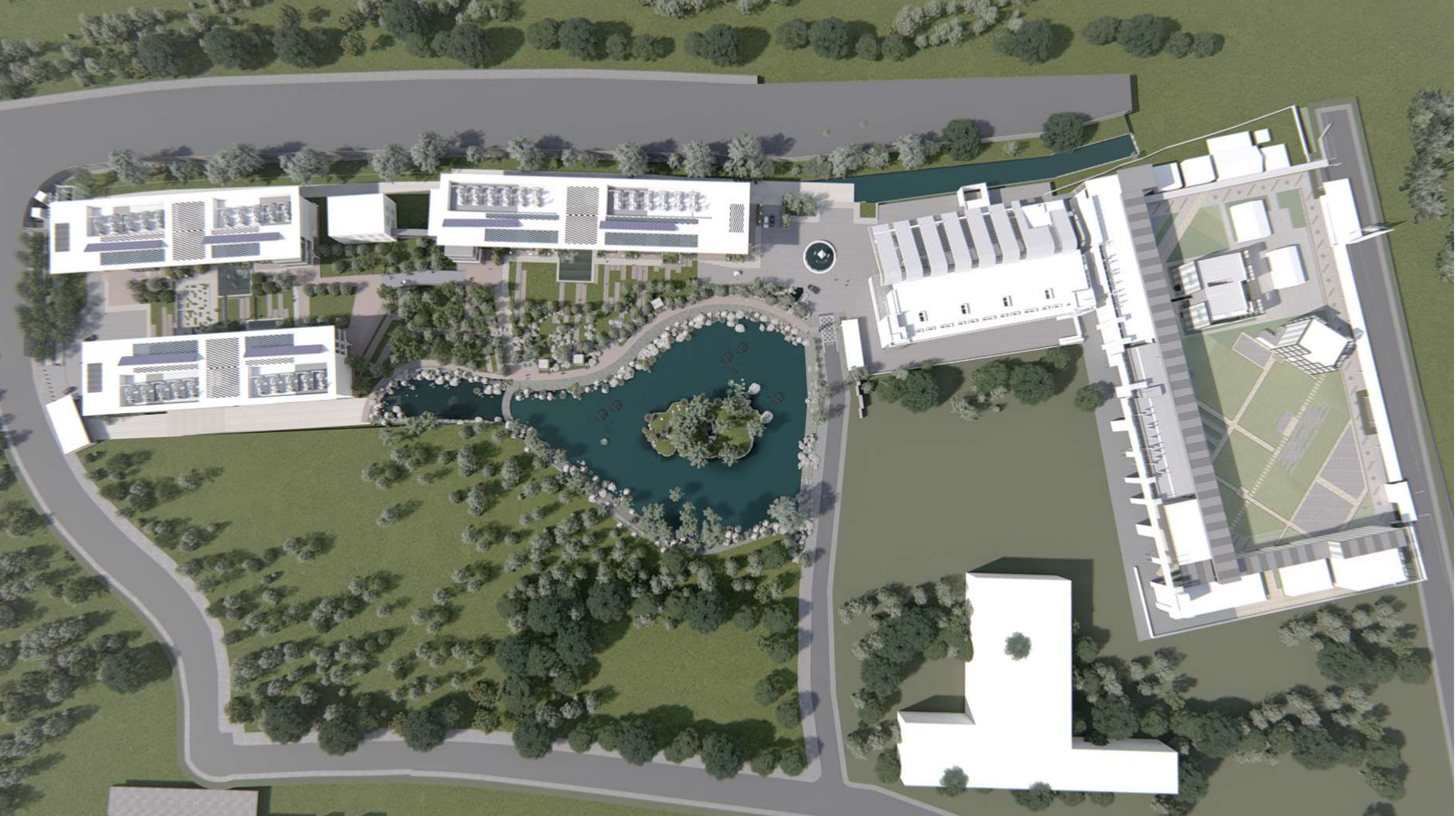






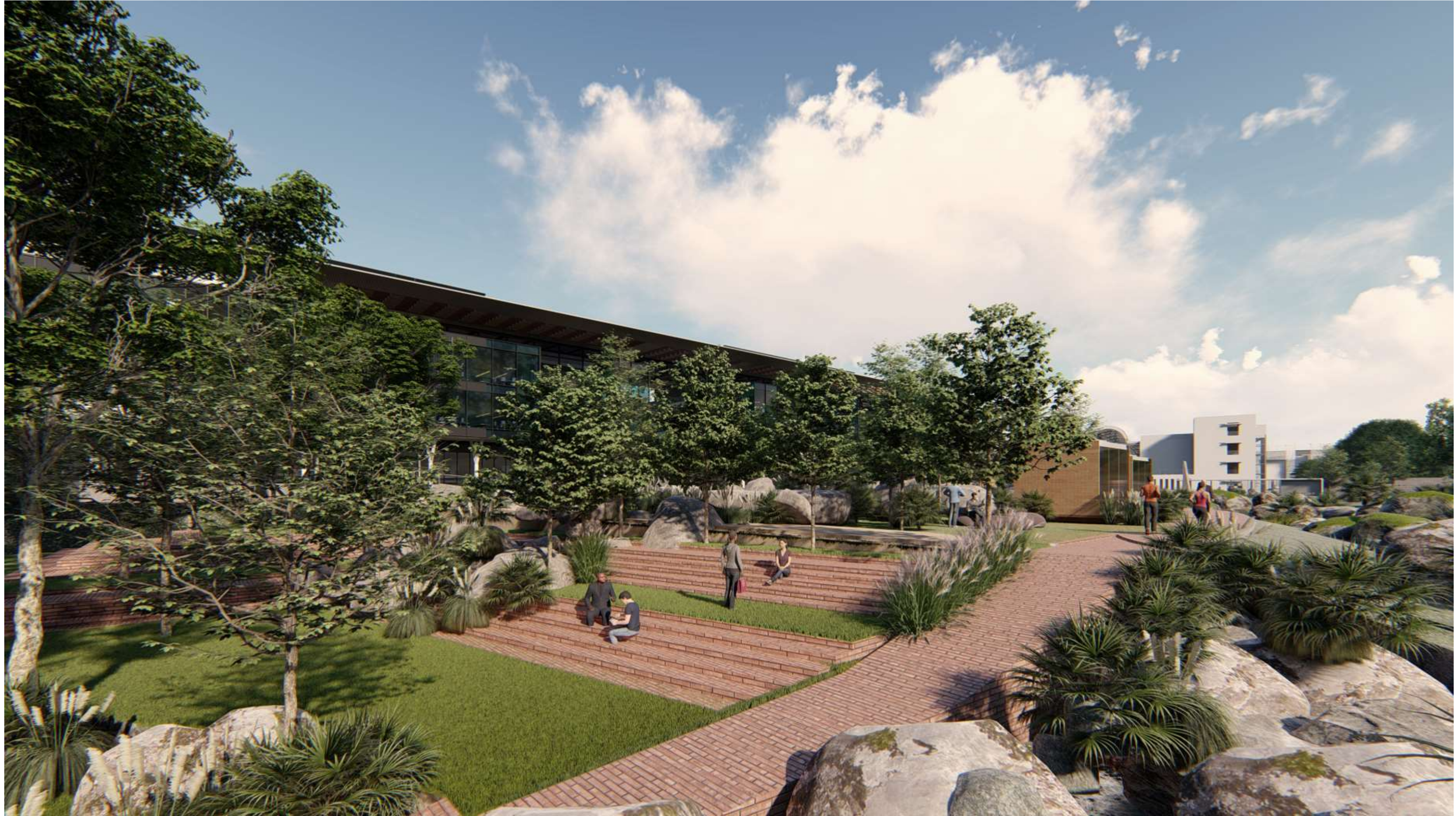


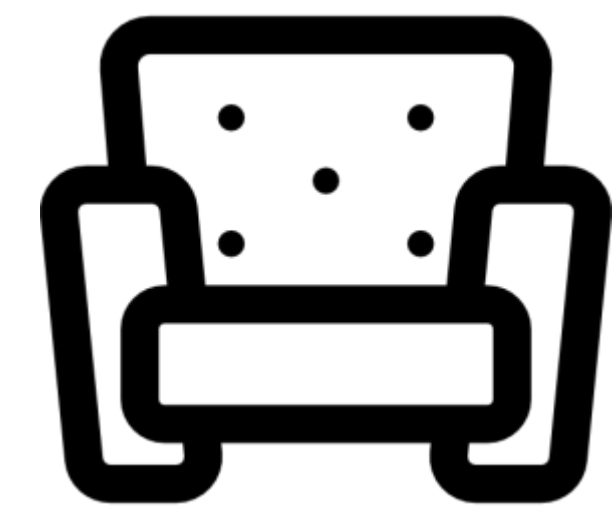
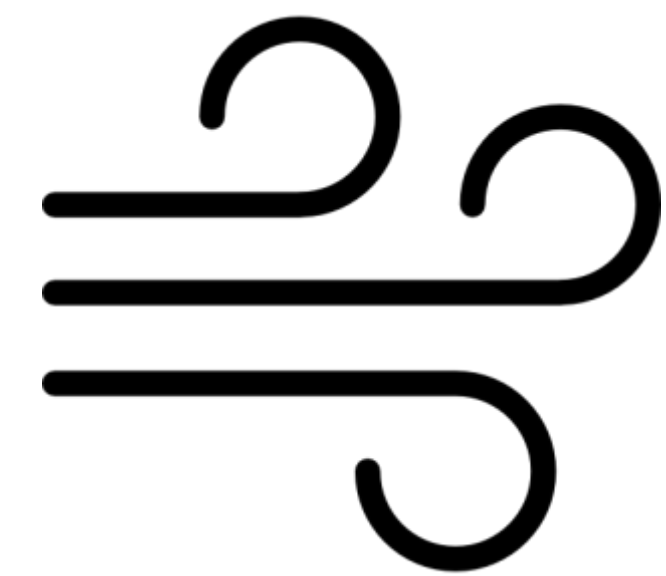
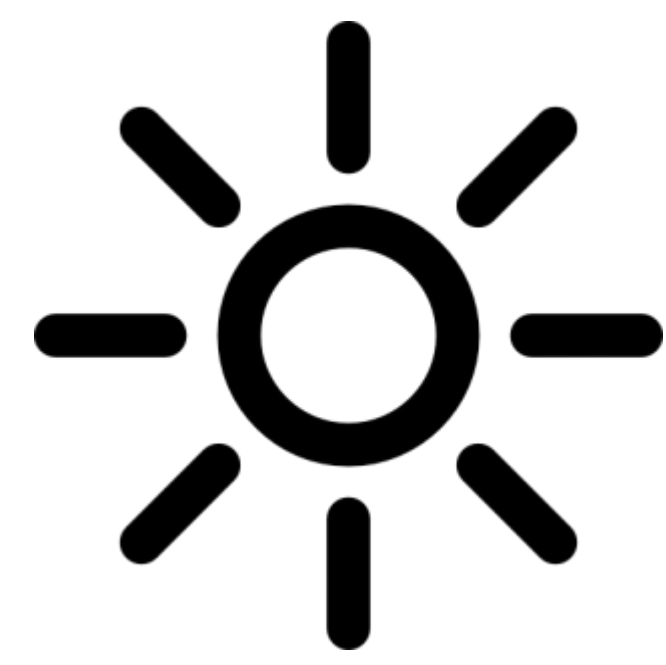




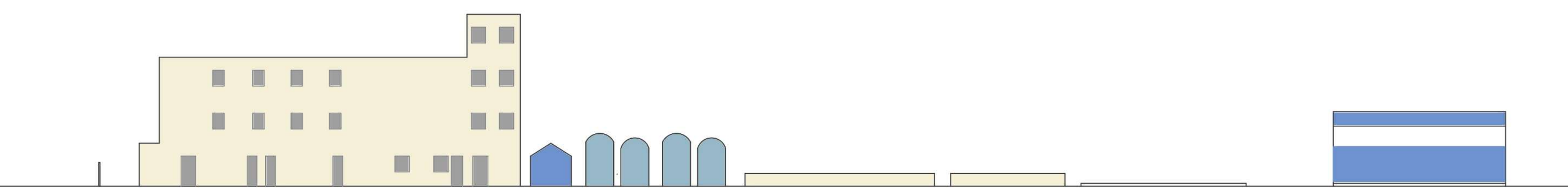
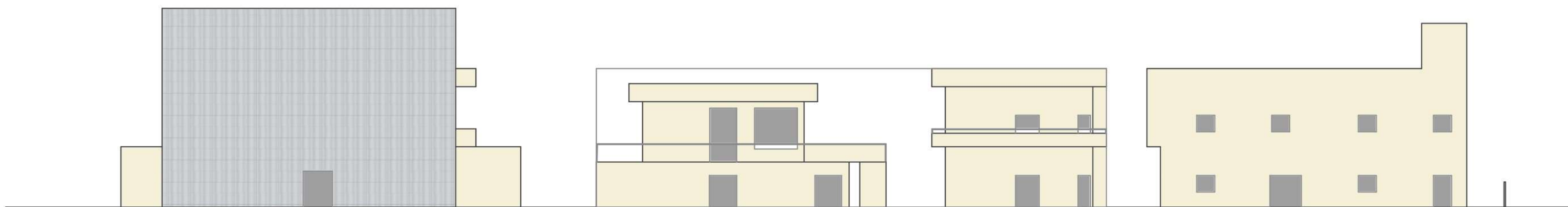


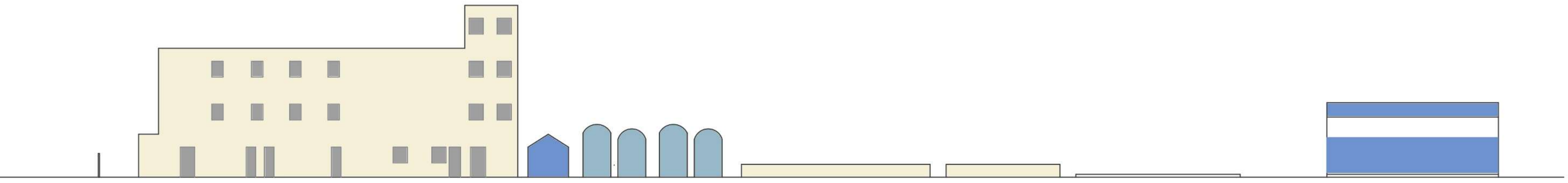
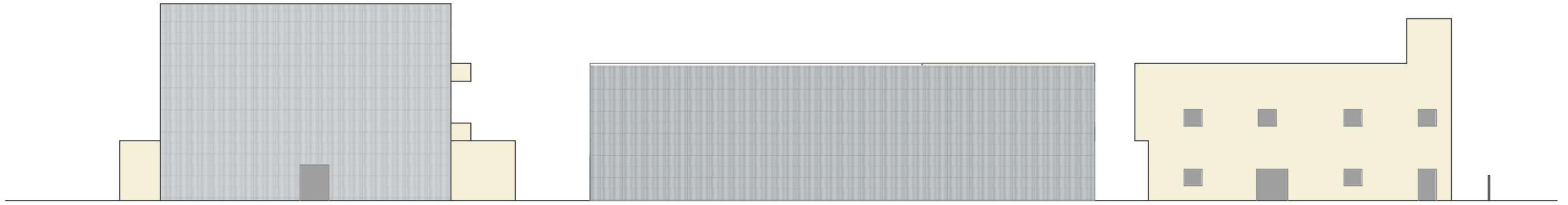


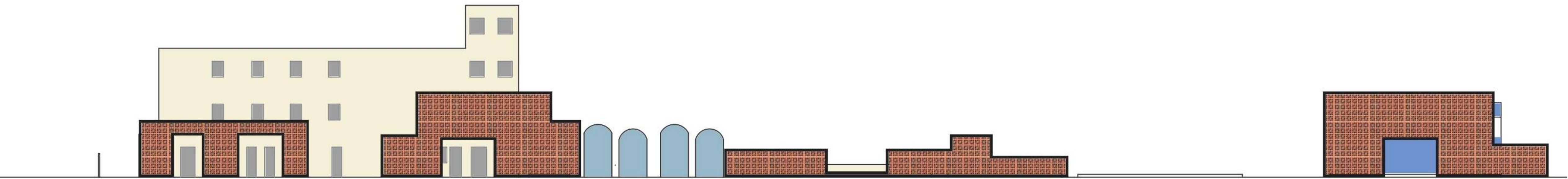
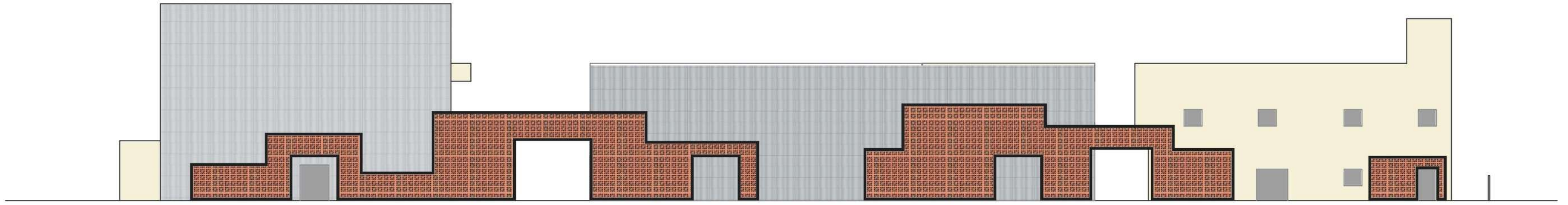


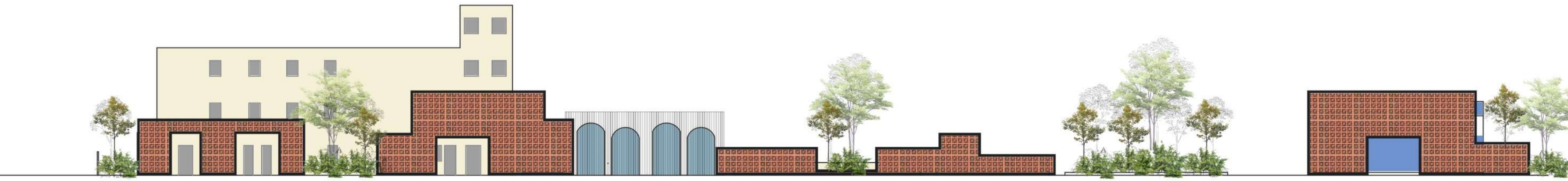


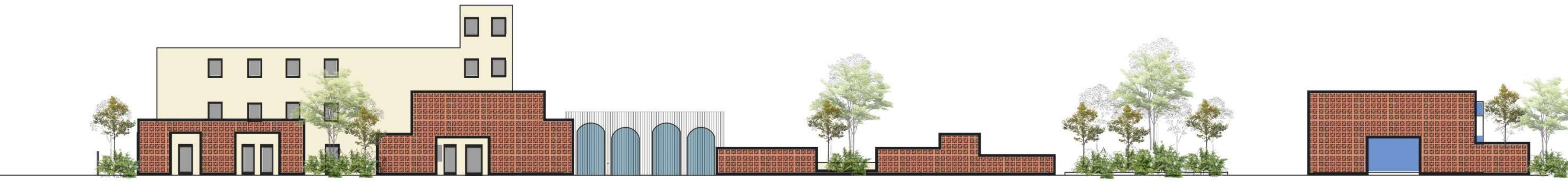


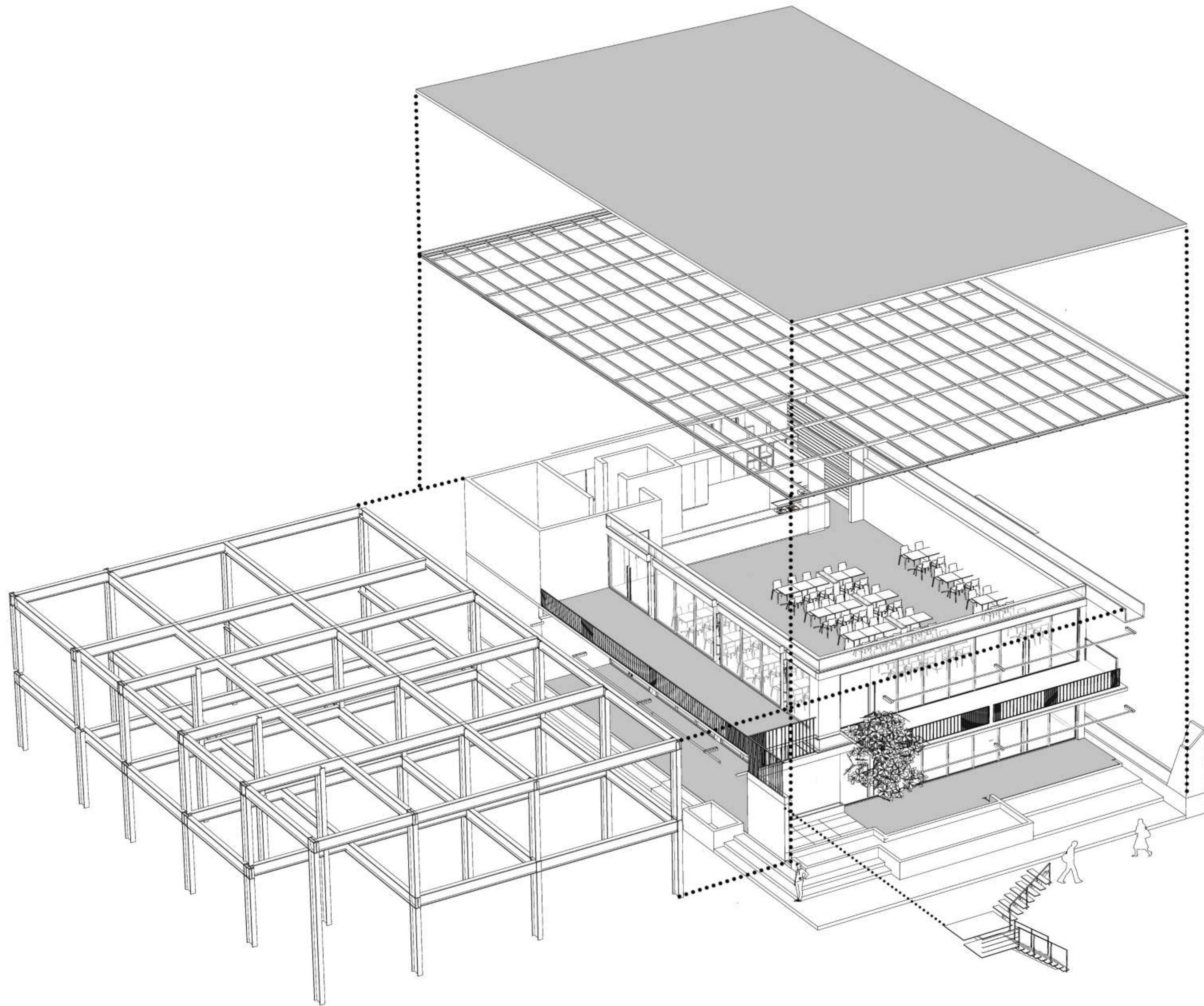














Cafe Bidar

Cafe



Cafe Bidar

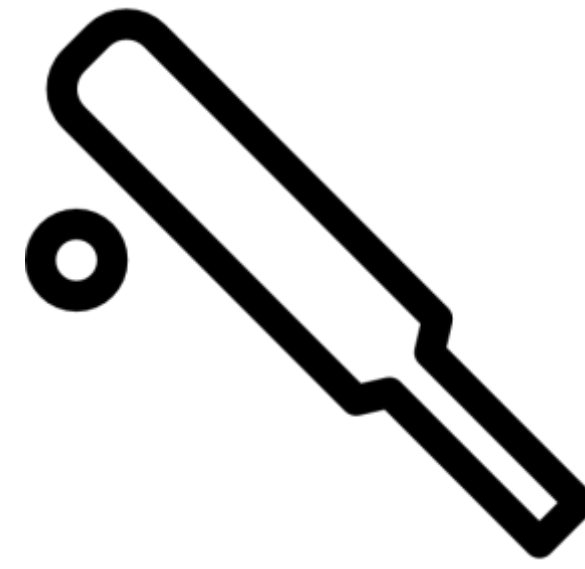
FREE
MEET



Cafe Rivar

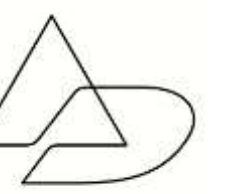
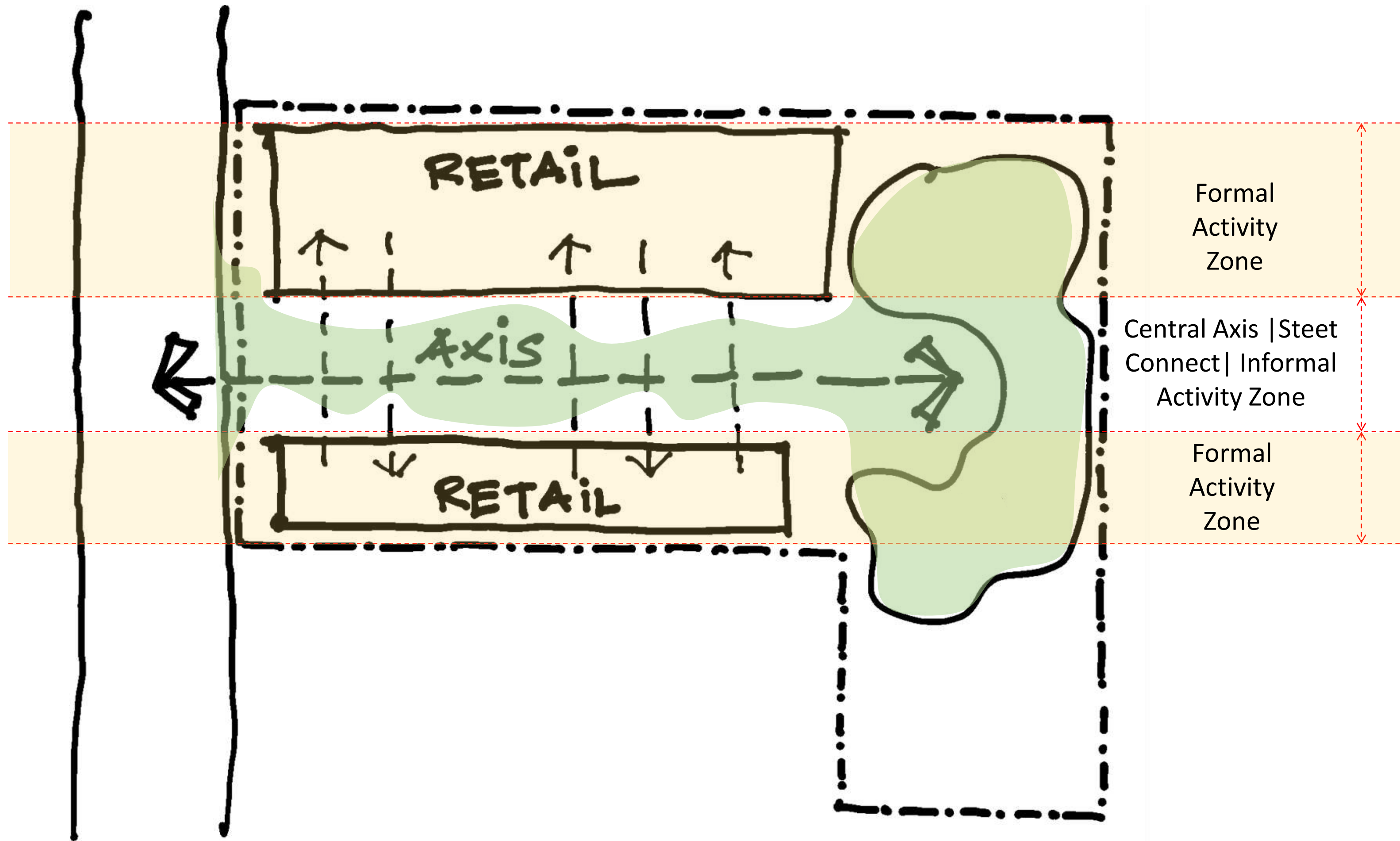
COFFEE STREET

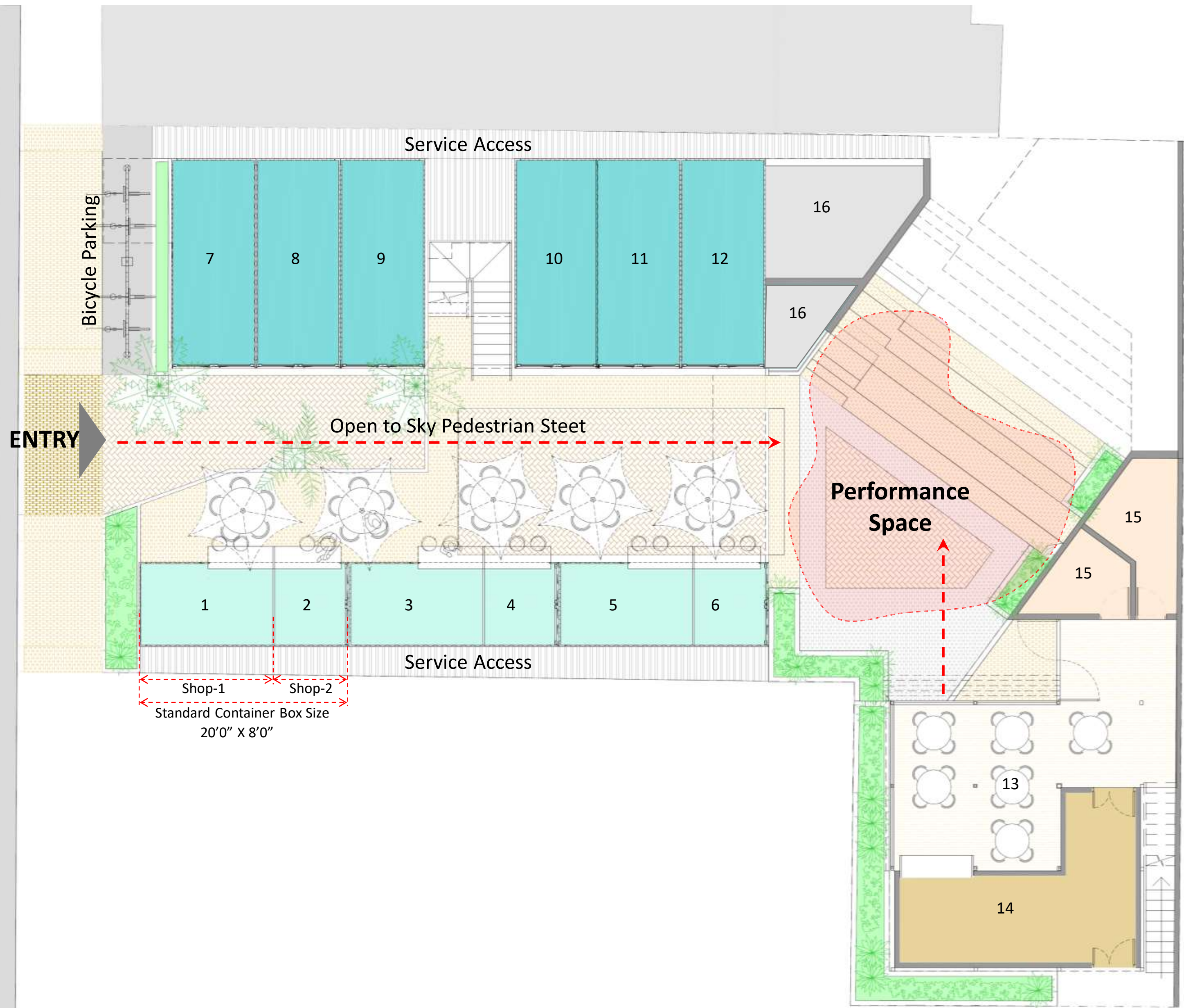






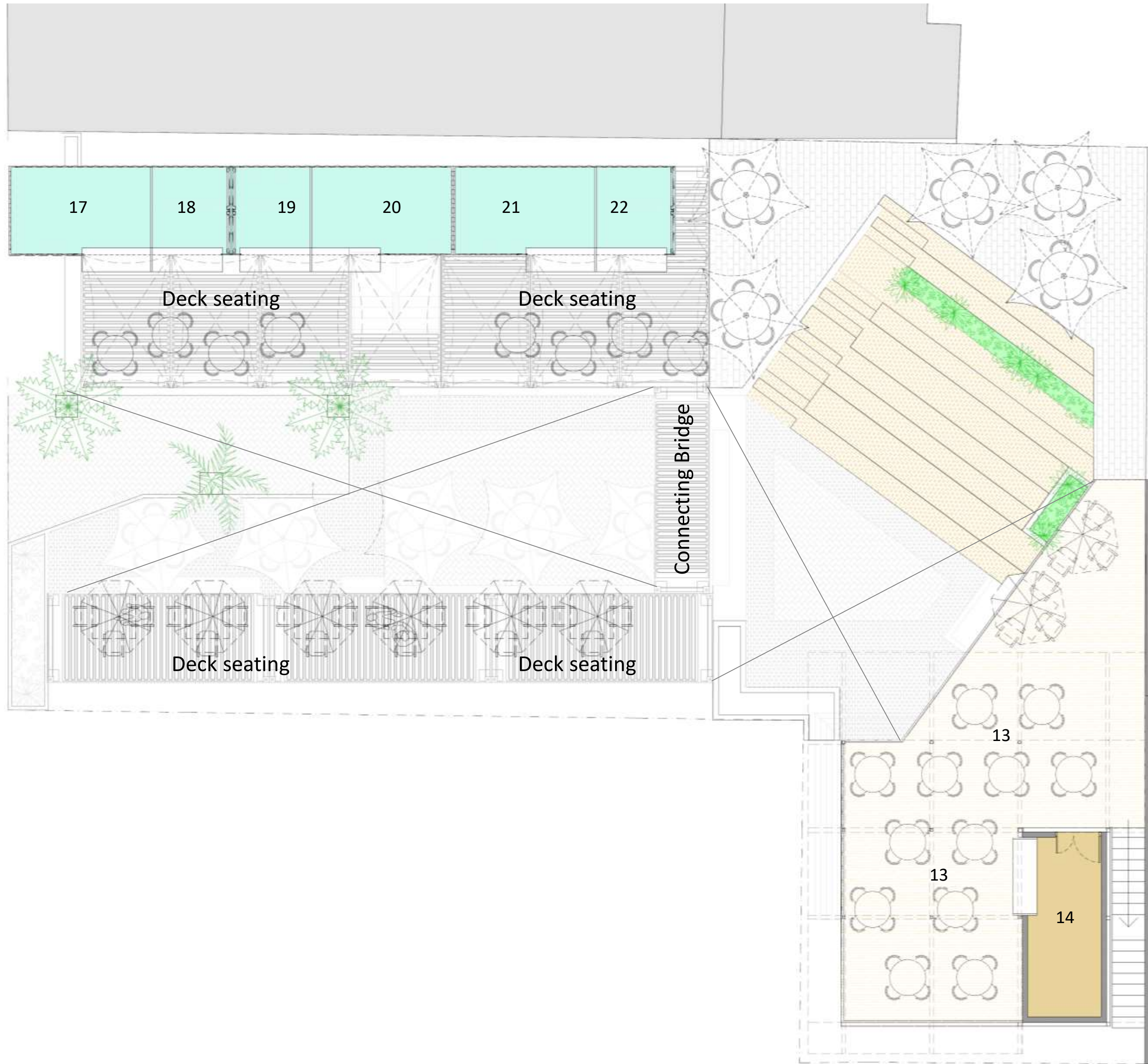




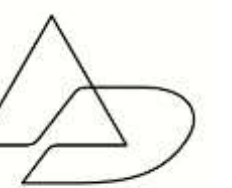


- Retail- Food-----(1-6)
- Retail- Non-Food----- (7-12)
- Cafe -Seating-----(13)
- Cafe -Kitchen/Pantry--(14)
- Toilet -----(15)
- Services-----(16)





- Retail- Food------(17-22)
- Cafe -Seating------(13)
- Cafe -Kitchen/Pantry--(14)
- Toilet -----(15)
- Services------(16)









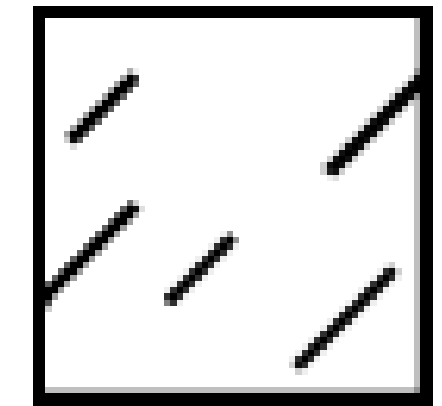
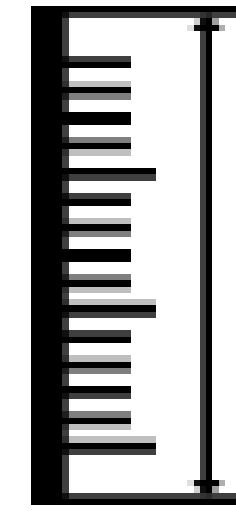
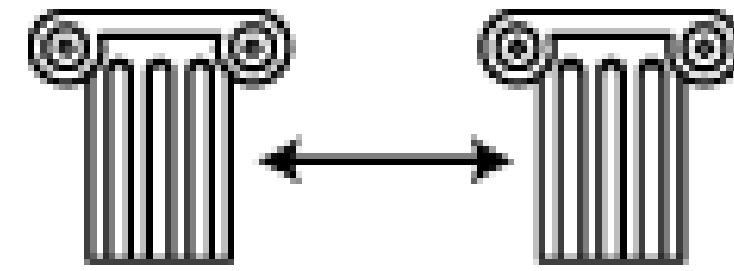
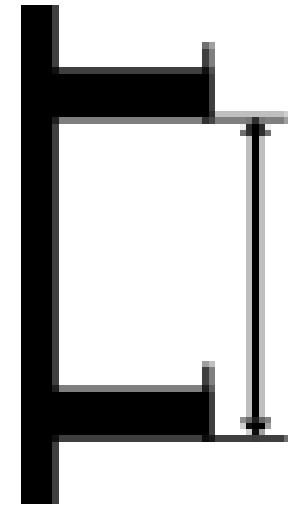
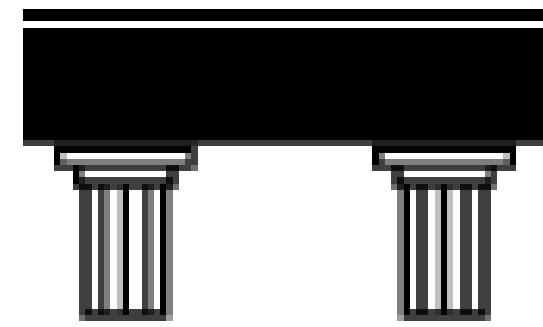










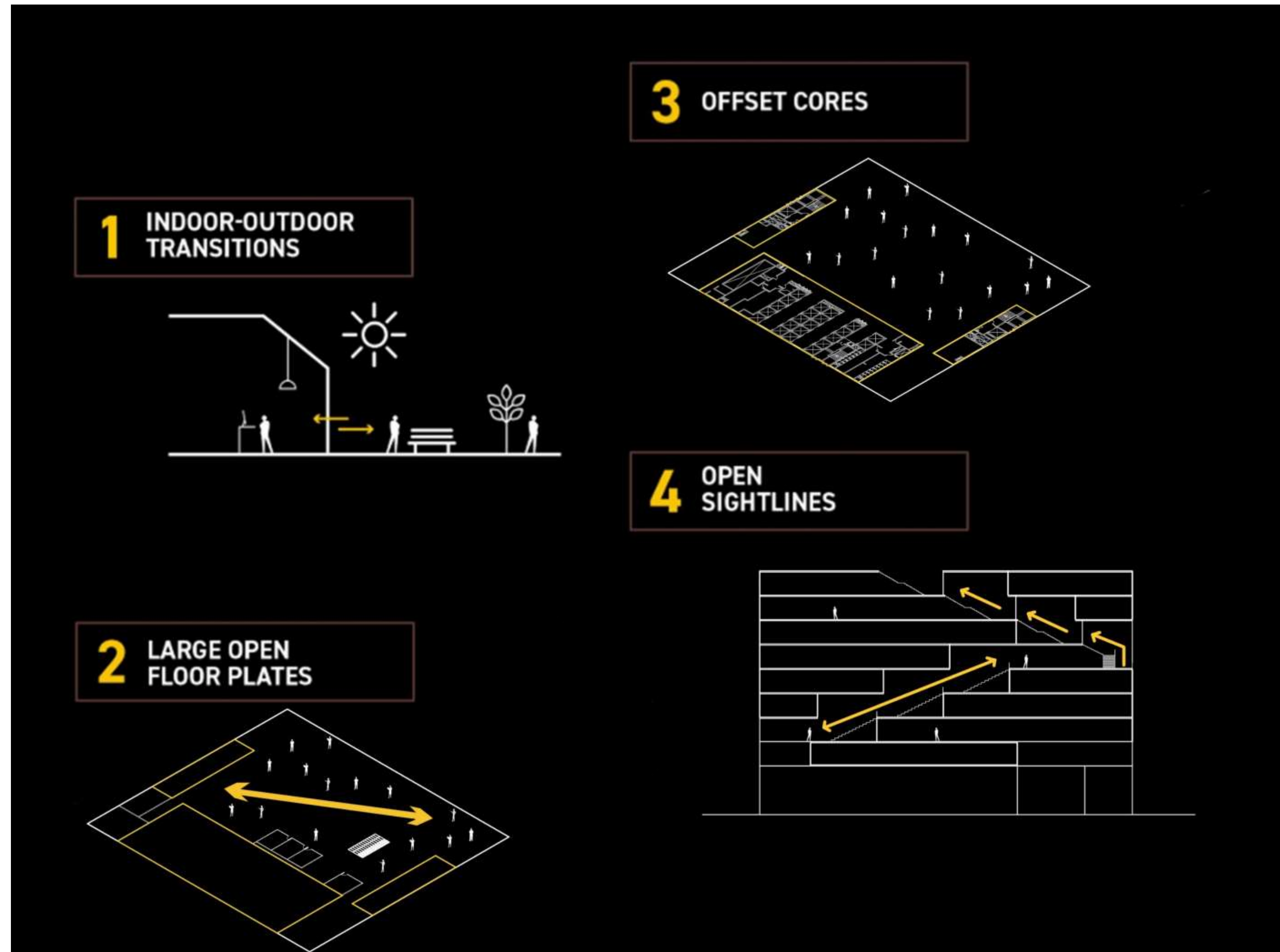




A. NEW AGE OFFICE BUILDING DESIGN FOR MILLENNIALS

Bringing people together through 4 ways of planning and design of the office floor.

1. Indoor – Outdoor Transition
2. Large Floor Plates
3. Offset Cores
4. Open Sightlines





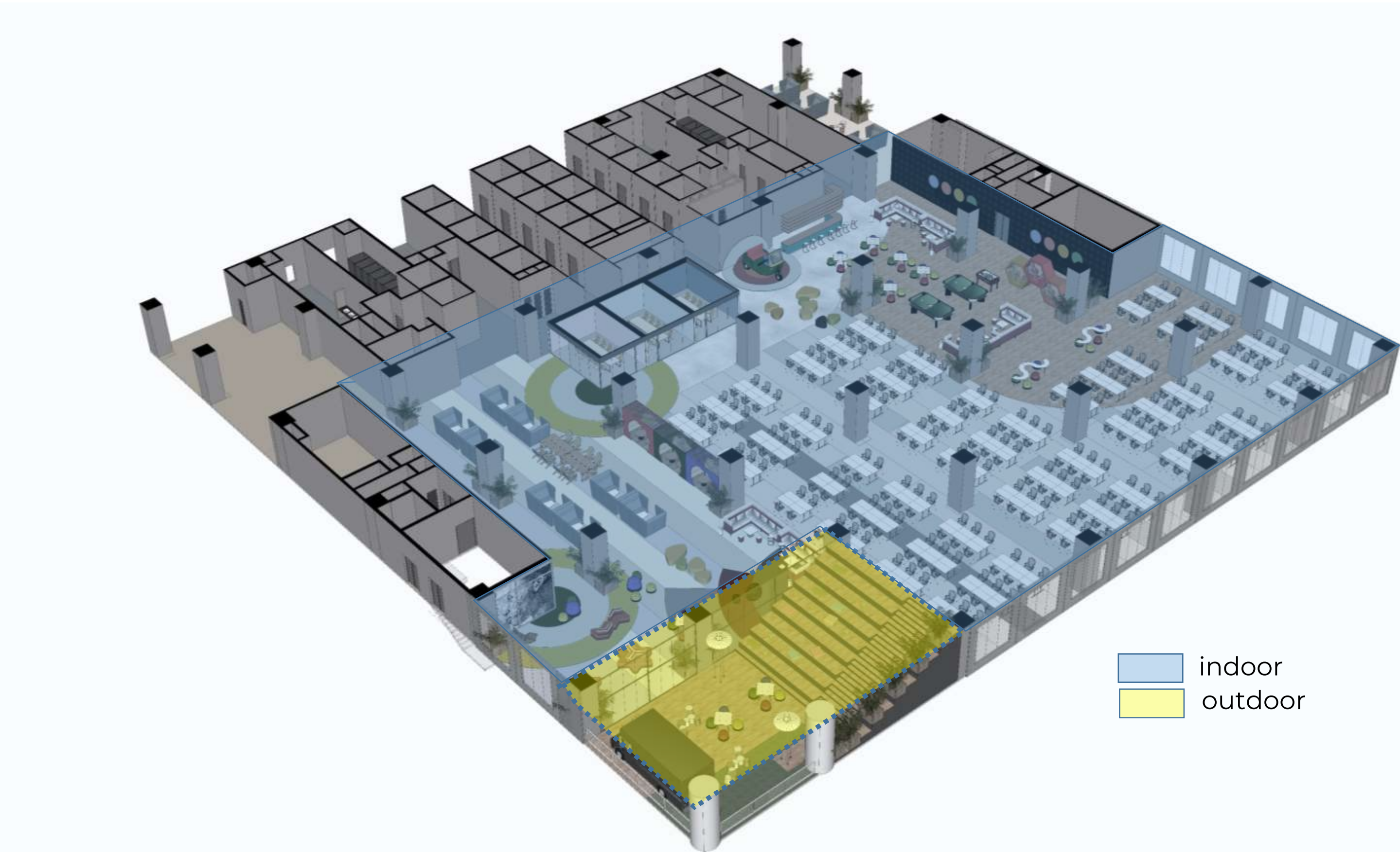
1. Indoor- Outdoor Transition

Indoor Outdoor Transition & Utilising the outdoors

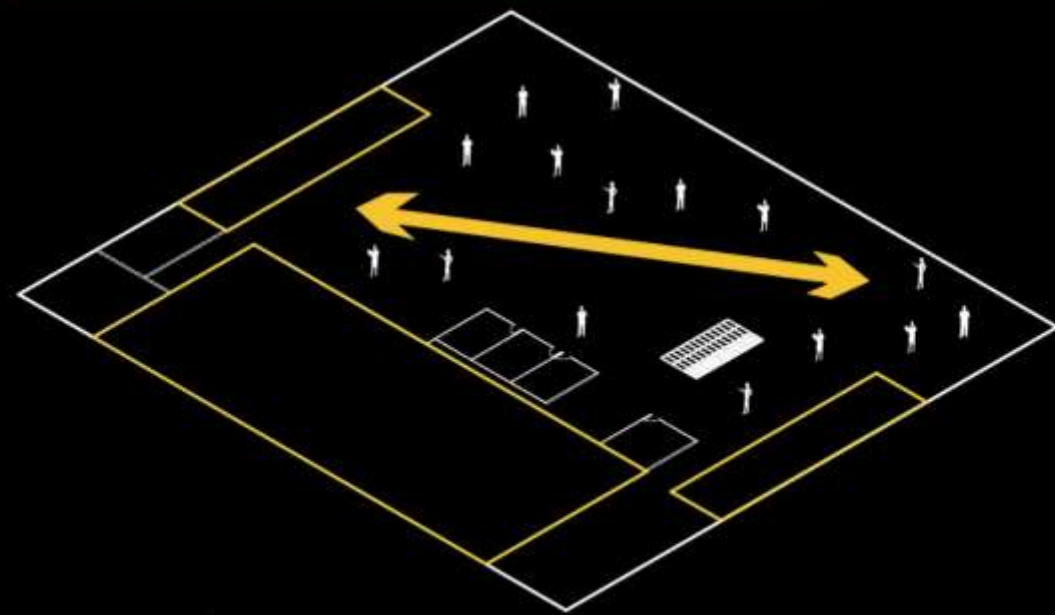
Seamless indoor-outdoor connection for people to enjoy. These spaces serve as third places where work can happen outdoors.

Large outdoor assembly areas are additional bonus areas that transform depending on time and use requirements. The outdoor amphitheater can hold up to 600 people.

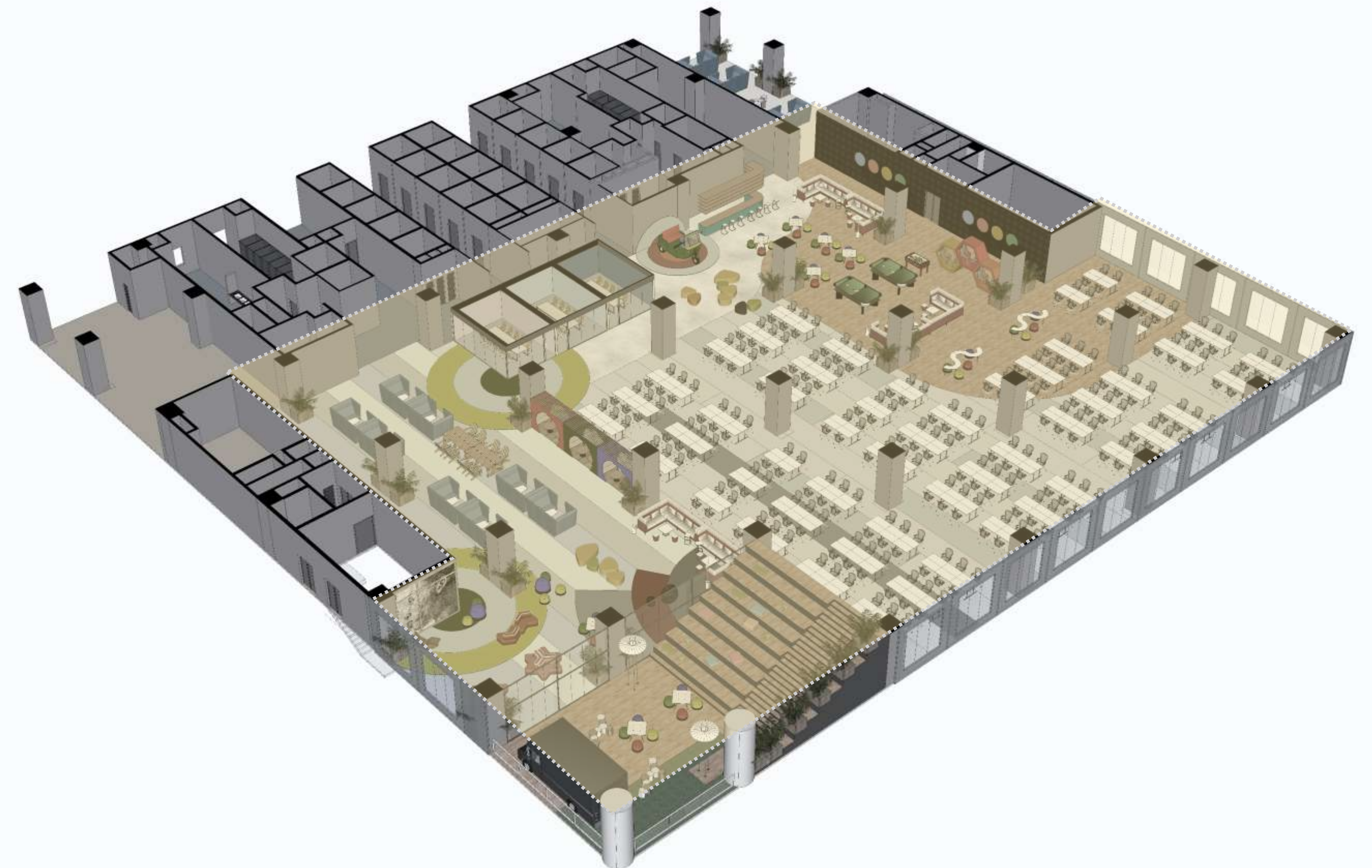
The balcony decks, outdoor terraces, seamless indoor – outdoor connection has been designed such that it can be utilized efficiently for work and for leisure.



2 LARGE OPEN FLOOR PLATES



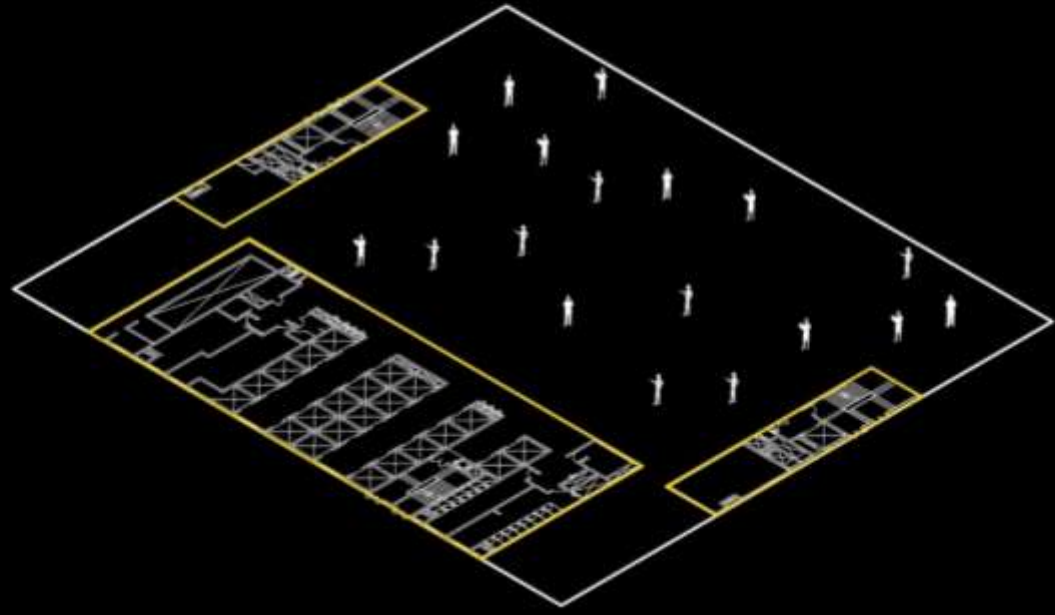
2. Large Floor Plates



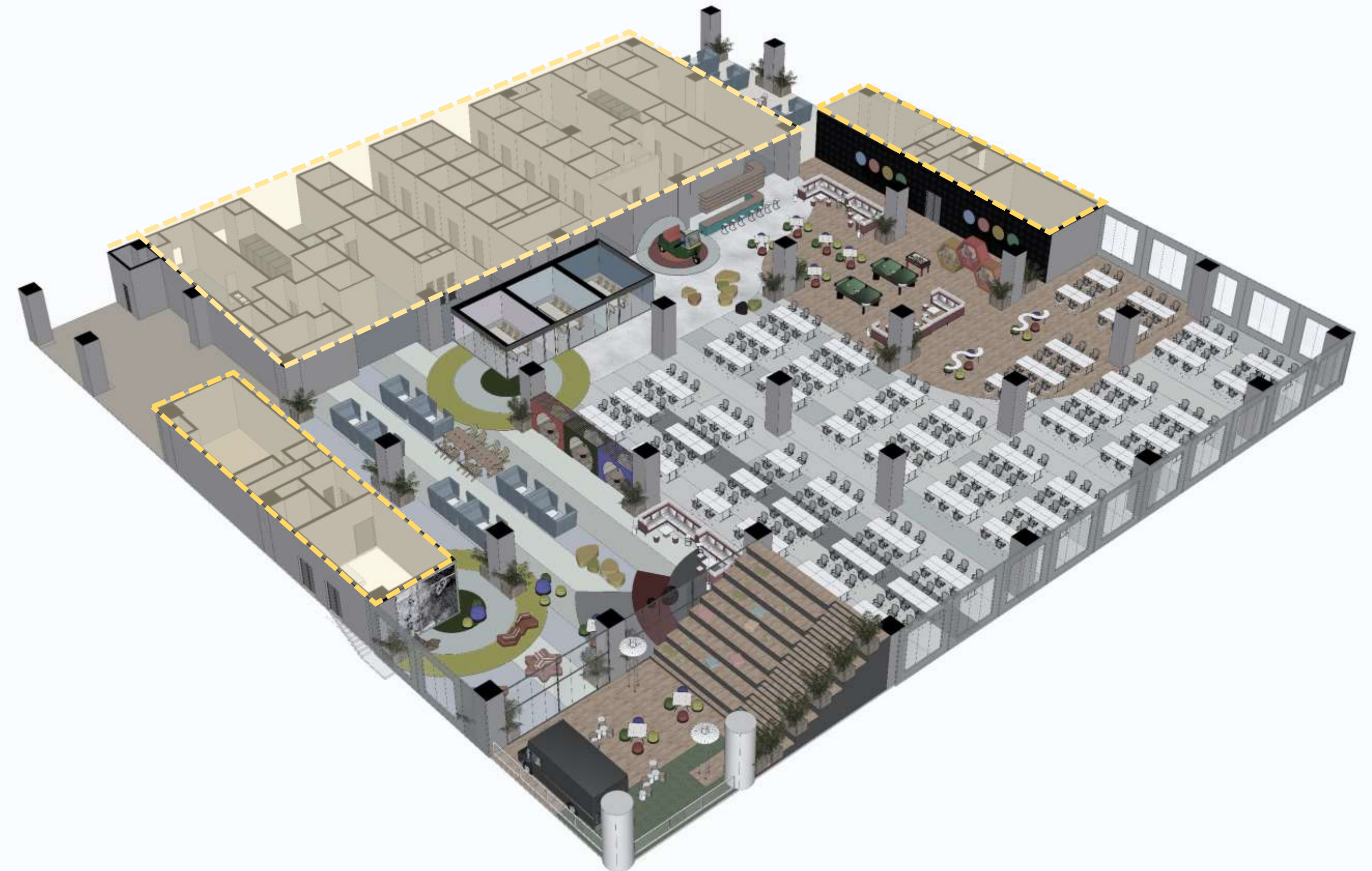
Talent needs connectivity and high probability of interaction and knowledge exchange.

We have provided large floor plates to increase proximity between people at work that speeds the flow of ideas, breaks down silos by raising awareness between departments, and encourages active information sharing.

3 OFFSET CORES



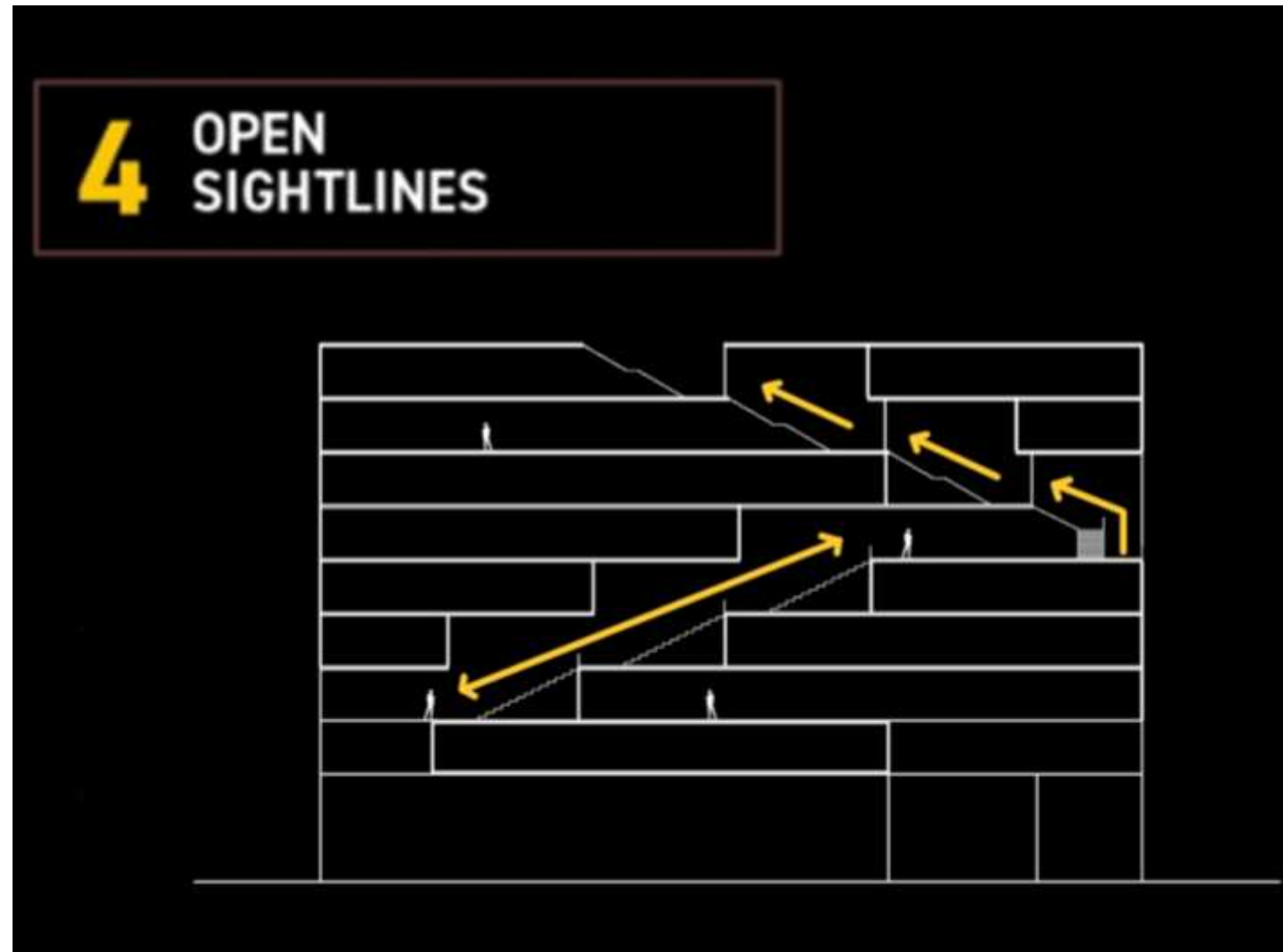
3. Offset Core



Placement of core on the West side of the building and offset from the floor plate, frees up the square footage for a larger, more flexible office space on each floor, allowing for more daylight and higher density of people.

Smaller dual cores are created on the North & South side for even better connectivity and flexibility.

4. Open Sightlines



Visual and physical connectivity across the floor shape how people communicate, collaborate and inspire (Open sightlines)

Balcony decks

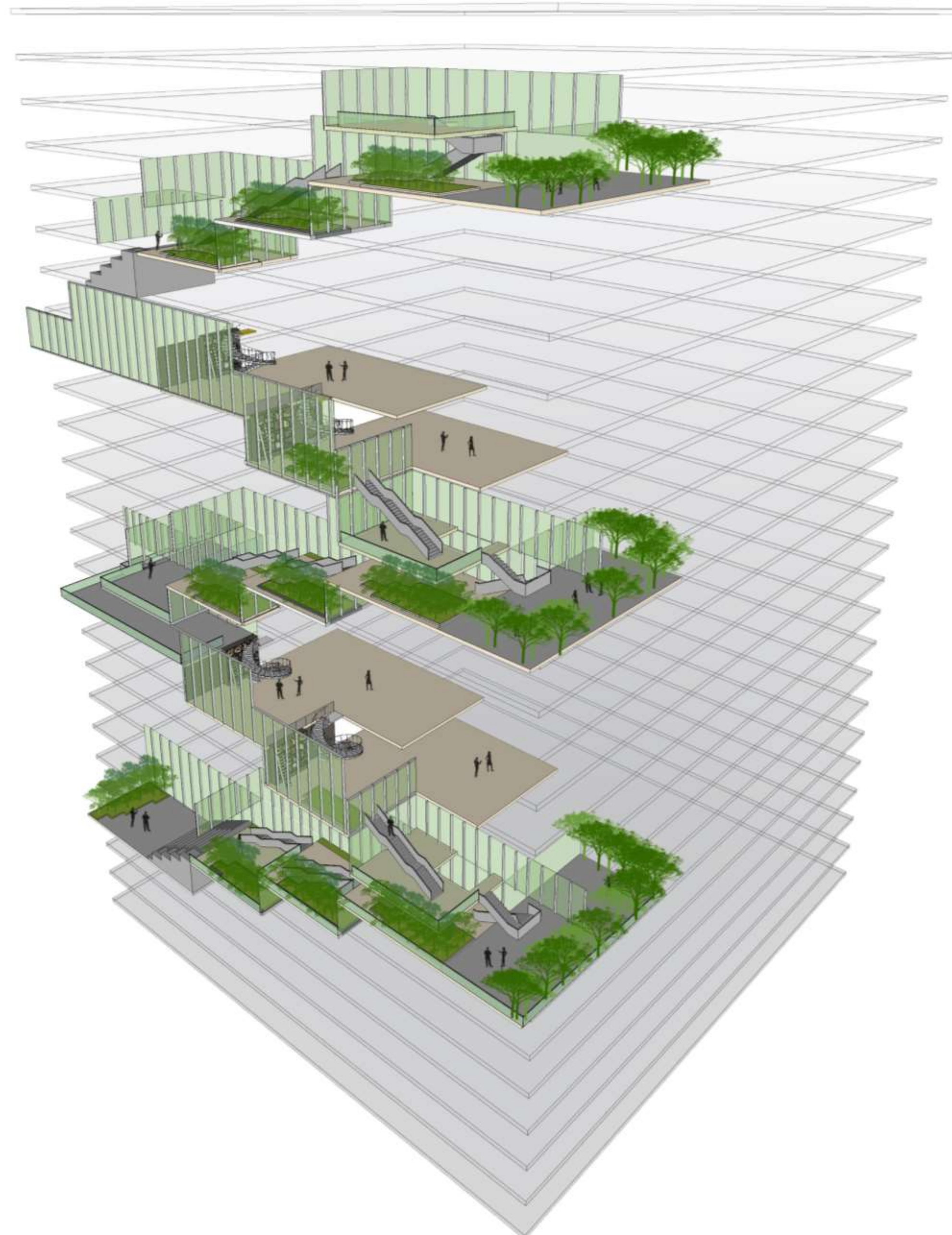
Semi outdoor break out spaces are designed as communication hubs of the office spaces and facilitate exchange of ideas.

Social Staircases

Staircases are located along semi open breakout spaces and facilitates encounters and interaction as people traverse floors. This also creates connectivity and visibility across floors. The bones of the building are re-imagined to lend towards function of connection, transparency and engagement.

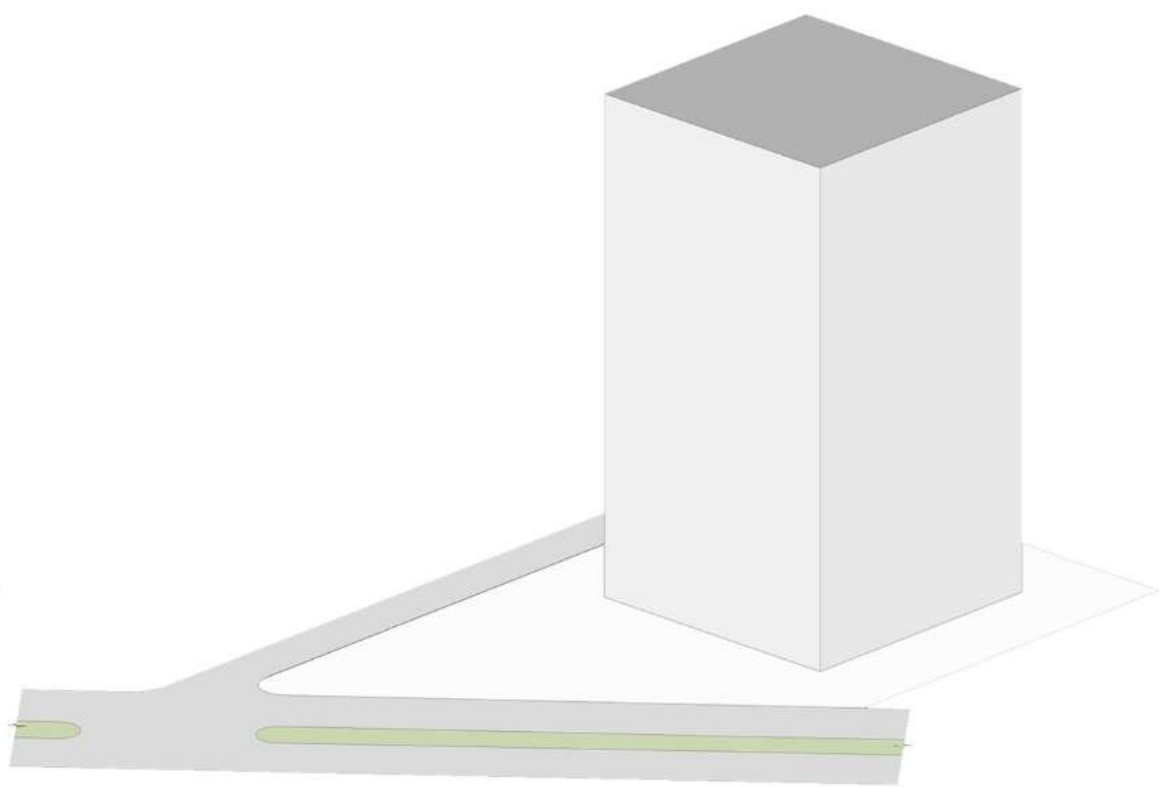
Casual Amphitheatre

Staircases and outdoor decks merge to form amphitheater for fun, gathering and events.

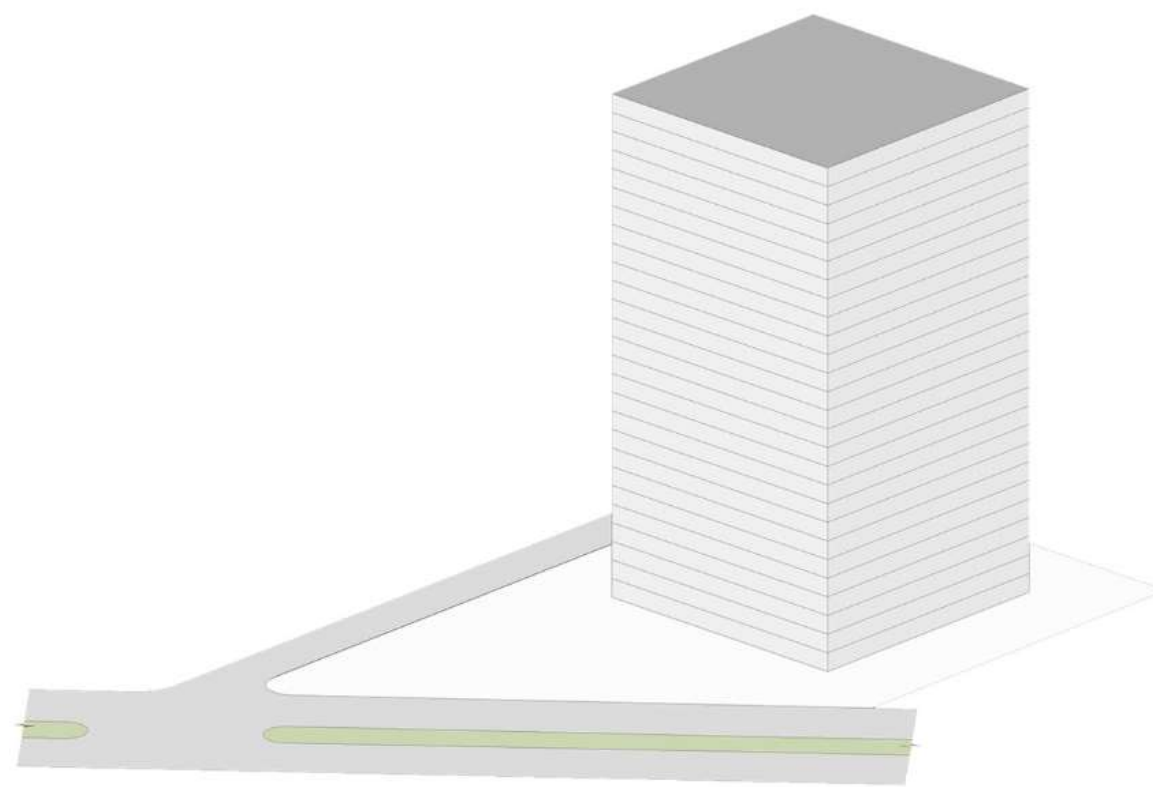




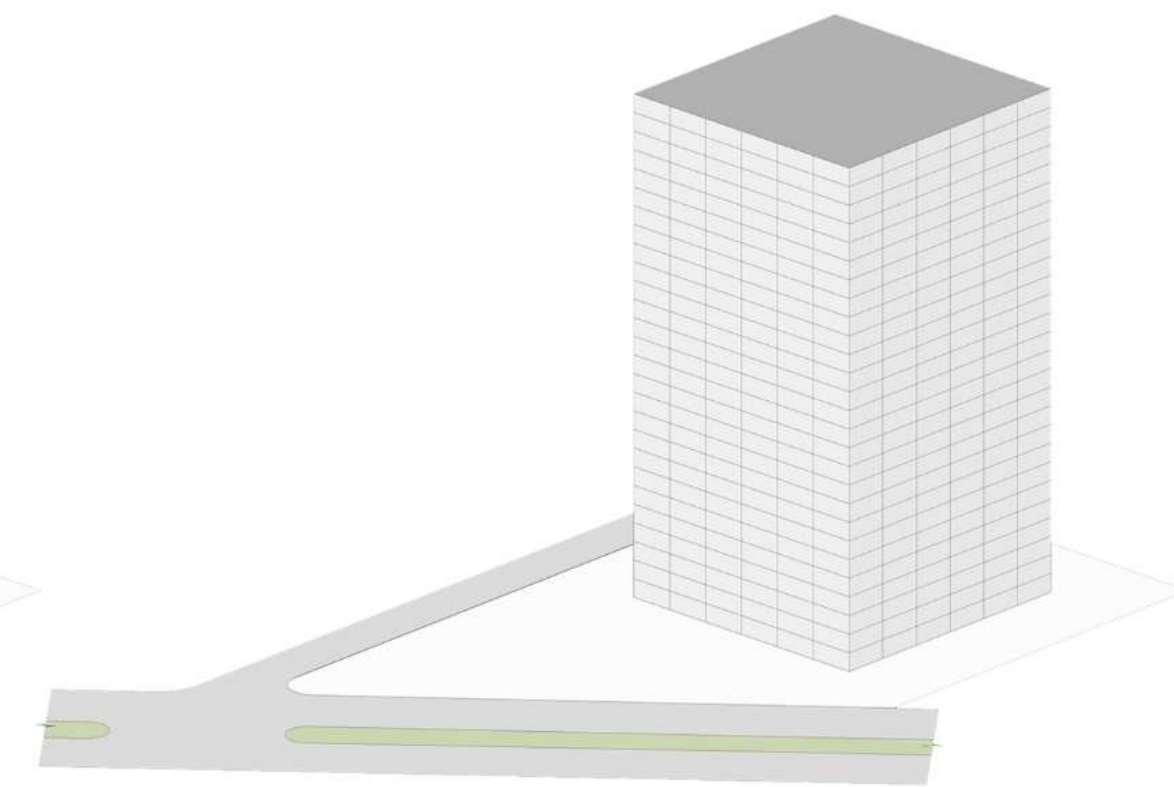
Plot



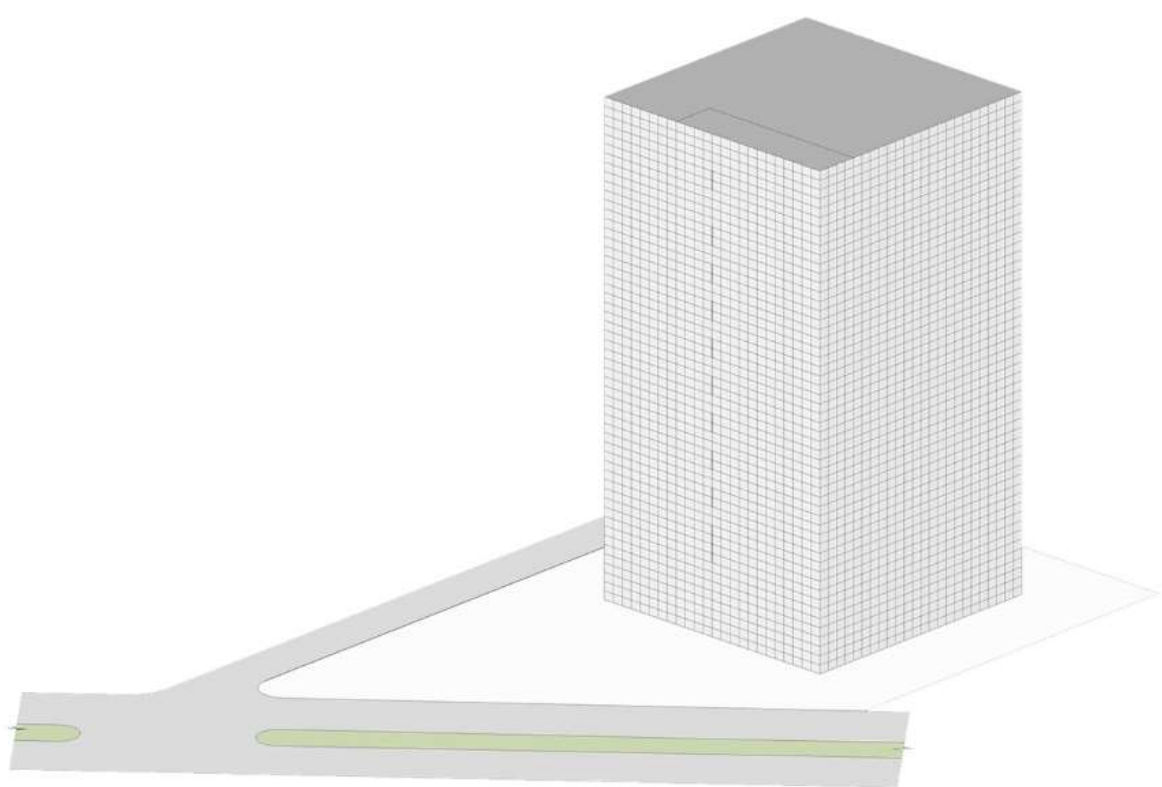
Envelope



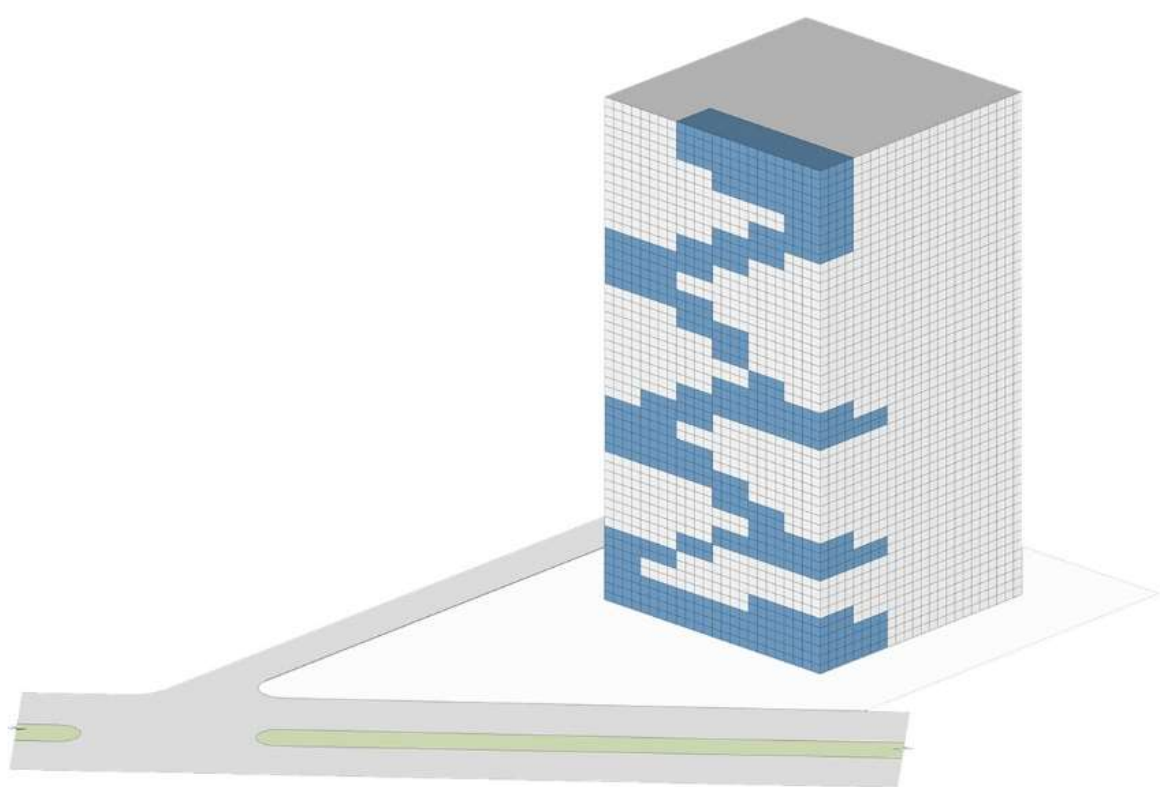
Floors



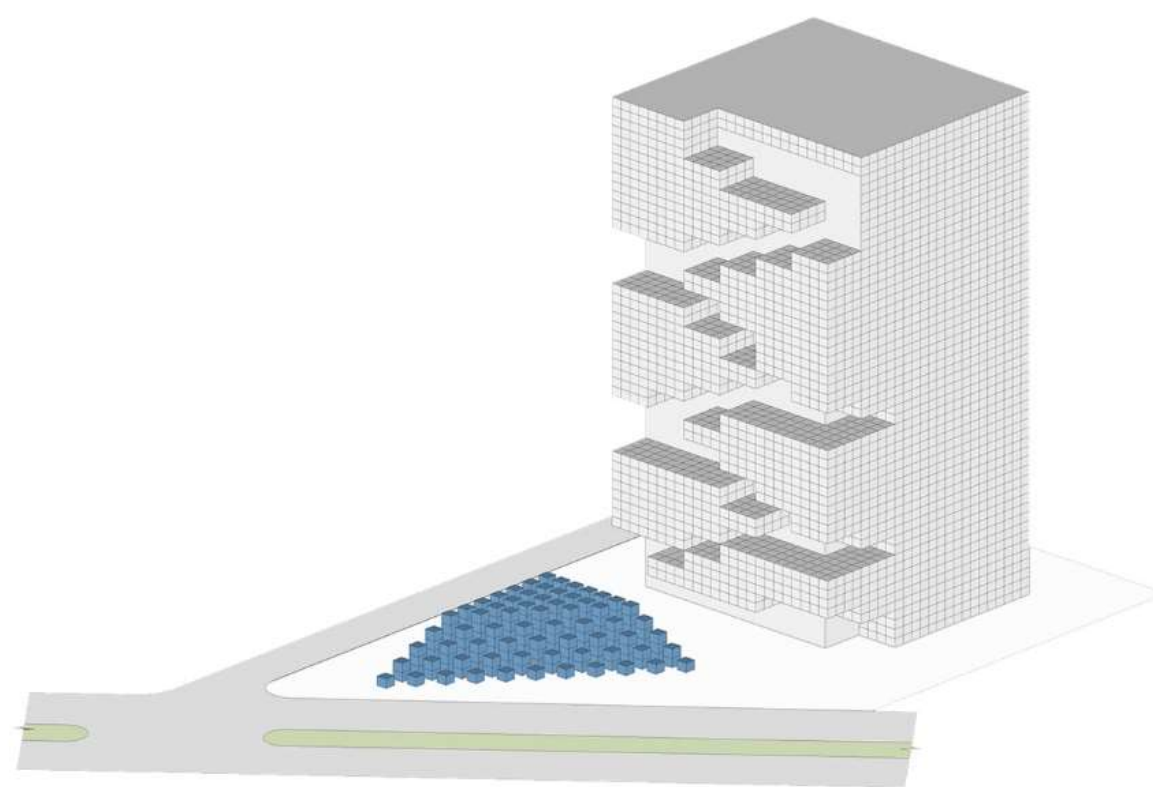
Structure



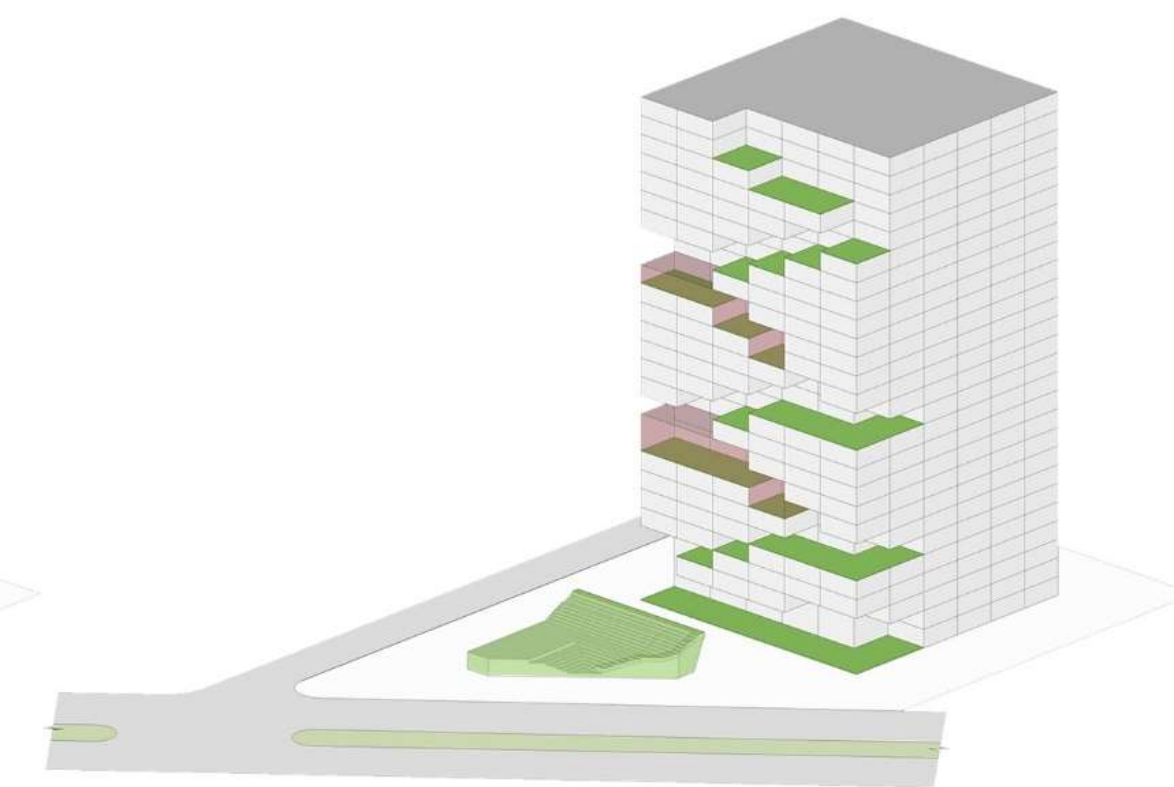
Facade



Vertical access



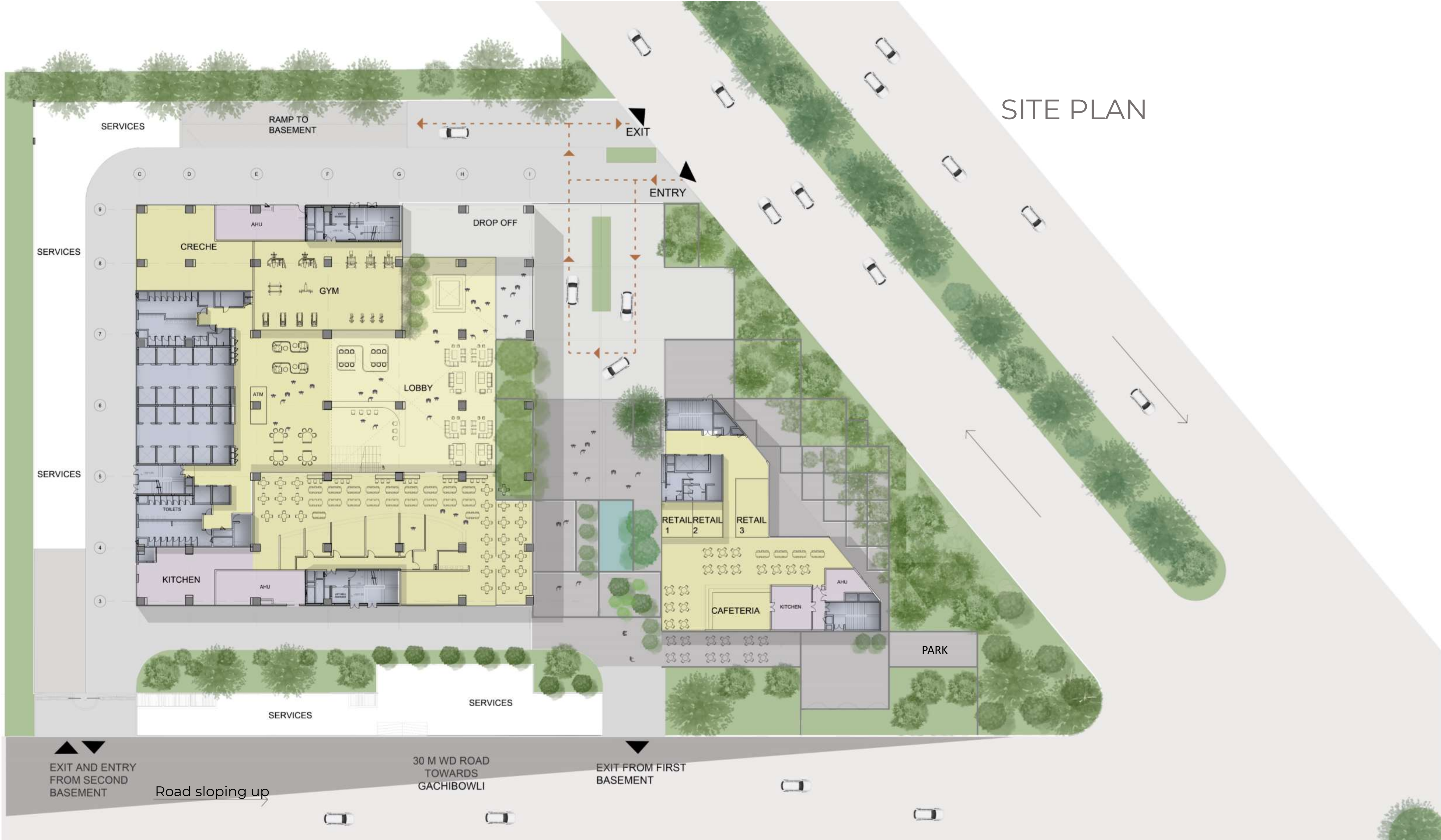
Solid & void



Program

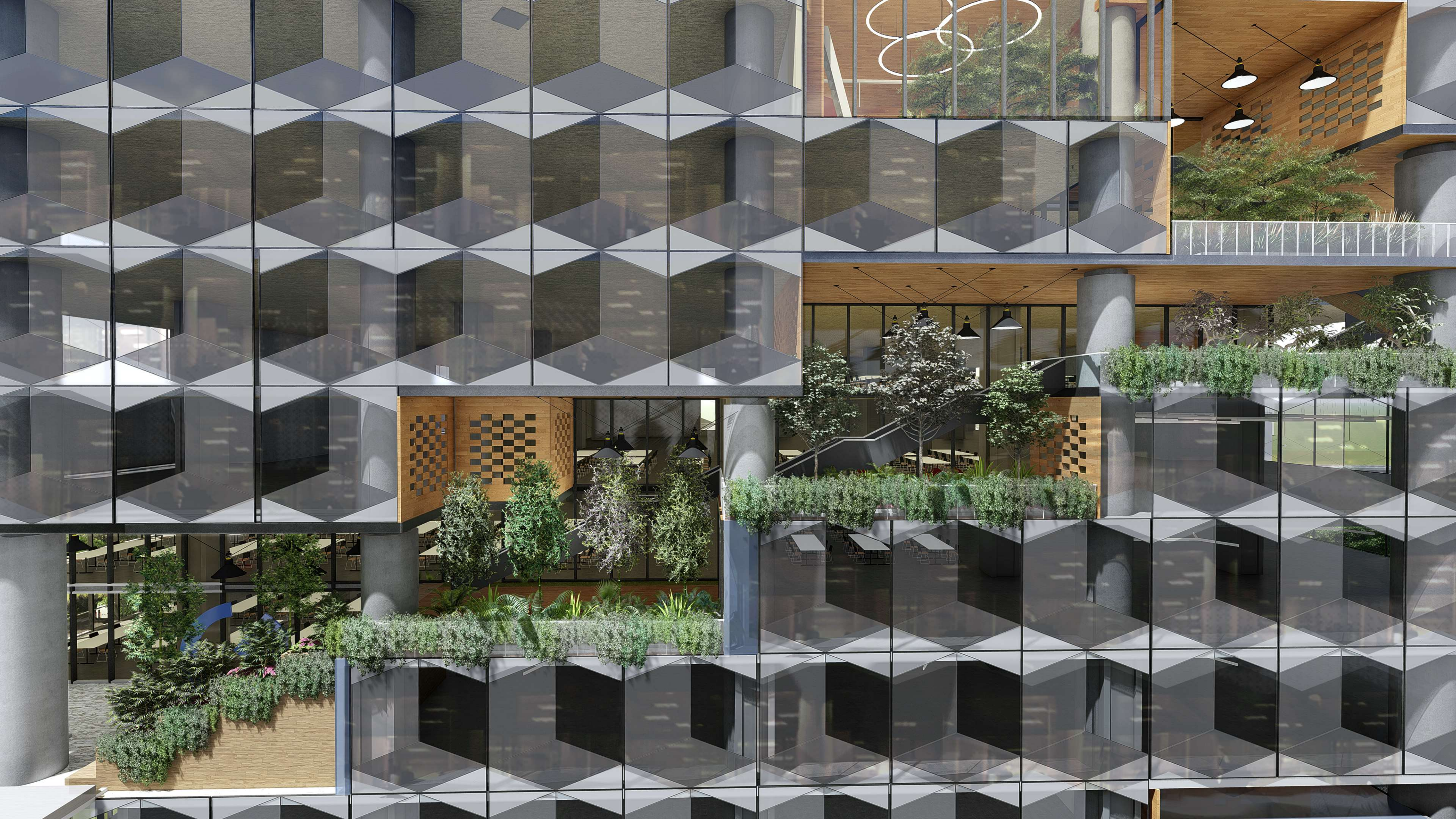
DESIGN EVOLUTION

SITE PLAN



















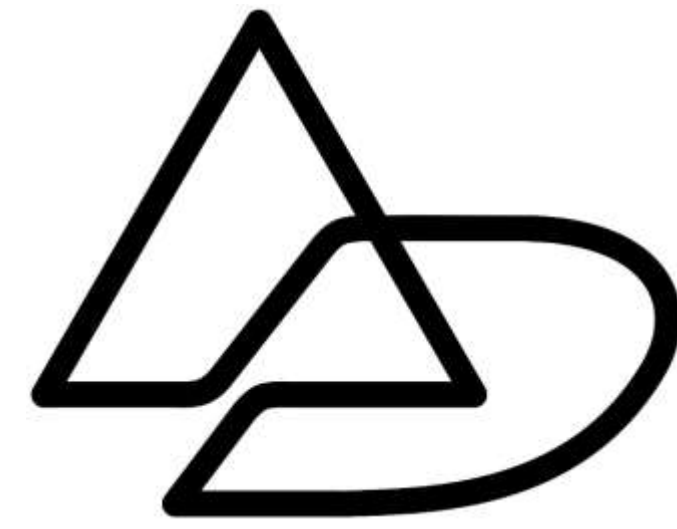












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