

The Green Haven

A Communal Retreat For Mental Wellness



Towards Normalization: De-Institutionalising Mental Healthcare and Catering the Youth

MSC3 Graduation Studio AR3AD110
Designing for Health and Care: Towards an Inclusive Living Environment
Design Booklet
Rushil Raj Kapoor: 5607264

SITE ANALYSIS

SITE MAP



POTENTIAL MASTERPLAN

MEDICAL MAP



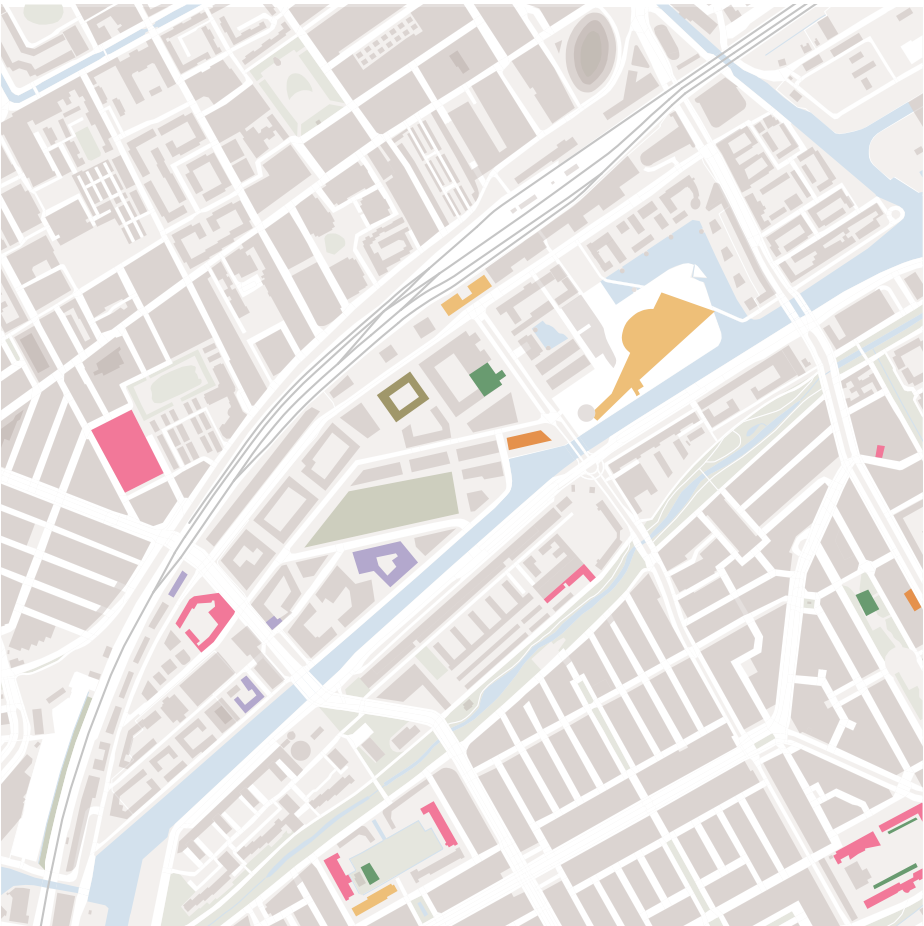
- ELDERLY CARE
- NURSING HOME
- HOME CARE
- DENTIST
- PHARMACY
- CLINIC
- OBSTETRICIAN
- COMMUNITY CENTER
- ALTERNATIVE CARE
- FAMILY DOCTOR
- PHYSIO

FUNCTIONS MAP



- RESIDENTIAL
- MULTI FUNCTIONAL HIGH RISE
- MIXED USE
- OFFICE
- SOCIAL AMENITIES
- RETAIL

EDUCATION MAP



- HIGHER EDUCATION, COLLEGE
- CHILDREN DAYCARE
- LEISURE CENTERS FOR YOUTH
- PLAYGROUND & PLAY AREA
- RECRUITMENT
- PRIMARY & SECONDARY SCHOOLS

MOBILITY MAP



- DEN HAAG HS
TRAIN STATION
- BUS LANE
- BUS STOP
- TRAM LANE
- TRAM STOP

STRENGTH	WEAKNESS
<ul style="list-style-type: none">•Central location to the city•A lot of medical options in the vicinity•Educational facilities in the vicinity, therefore an influx of youth•Good connections to nature•Well connected, transport wise including easy access to the train station	<ul style="list-style-type: none">•A lot of high rise in the neighbourhood•Noise and pollution could be a problem•Potential over crowdedness
OPPORTUNITY	THREAT
<ul style="list-style-type: none">•Re-designing the masterplan including altering streets, nature, buildings etc•Designing to create picturesque views to nature•Attracting youth from the hogeschool and youth heading towards the train station	<ul style="list-style-type: none">•Possible desertation due to the shopping mall's history•Possible delay in the development completion•Threat of criminal activity near the train tracks•Complete change of demographics

SITE MAP



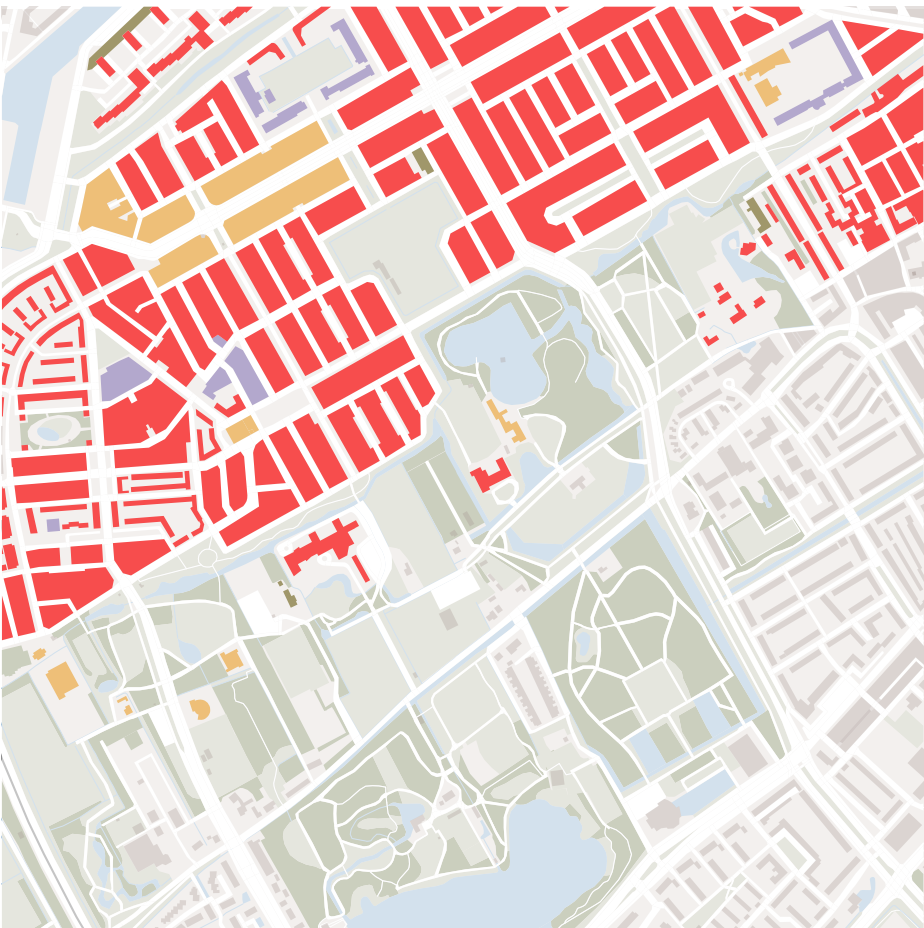
POTENTIAL MAS-
TERPLAN

MEDICAL MAP



- NURSING HOME
- HOME CARE
- DENTIST
- PHARMACY
- MEDICAL CENTER
- OBSTETRICIAN
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EDUCATION MAP



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MOBILITY MAP

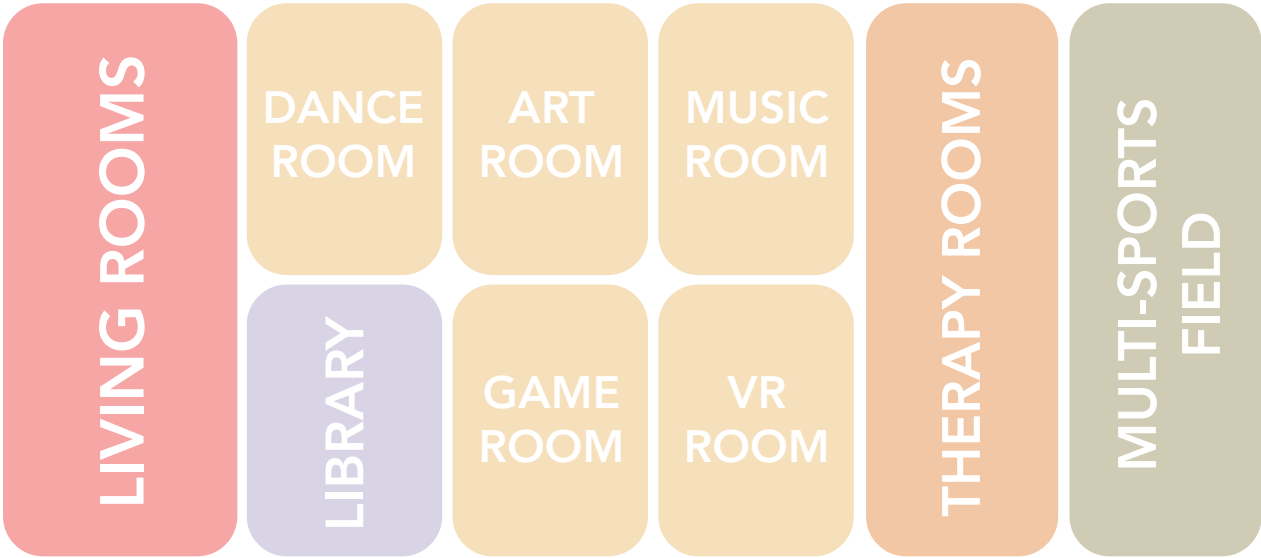


- DEN HAAG HS TRAIN STATAION
- BUS LANE
- BUS STOP
- TRAM LANE
- TRAM STOP

STRENGTH	WEAKNESS
<ul style="list-style-type: none">•Site is in and around nature•In an area with a lot of local football clubs, attracting the youth•In a quite part of the city•Integration with the existing neigh- bourhood	<ul style="list-style-type: none">•Far away from the city centre•Isolation•Sightly distant from medical facilities•Relatively low amount of educational facilities•Only bus connection in the locality
OPPORTUNITY	THREAT
<ul style="list-style-type: none">•Using nature as a main theme of de- sign•Abundance of land•Creating a program with the existing local football clubs•Collaborating with the elderly care centres in the locality	<ul style="list-style-type: none">•Isolation could lead to an institutional perception of the building•Opposing opinions from the close existing community•Dangerous and scary at night•Criminal activities in the woods•

PROGRAM & FUNCTIONS

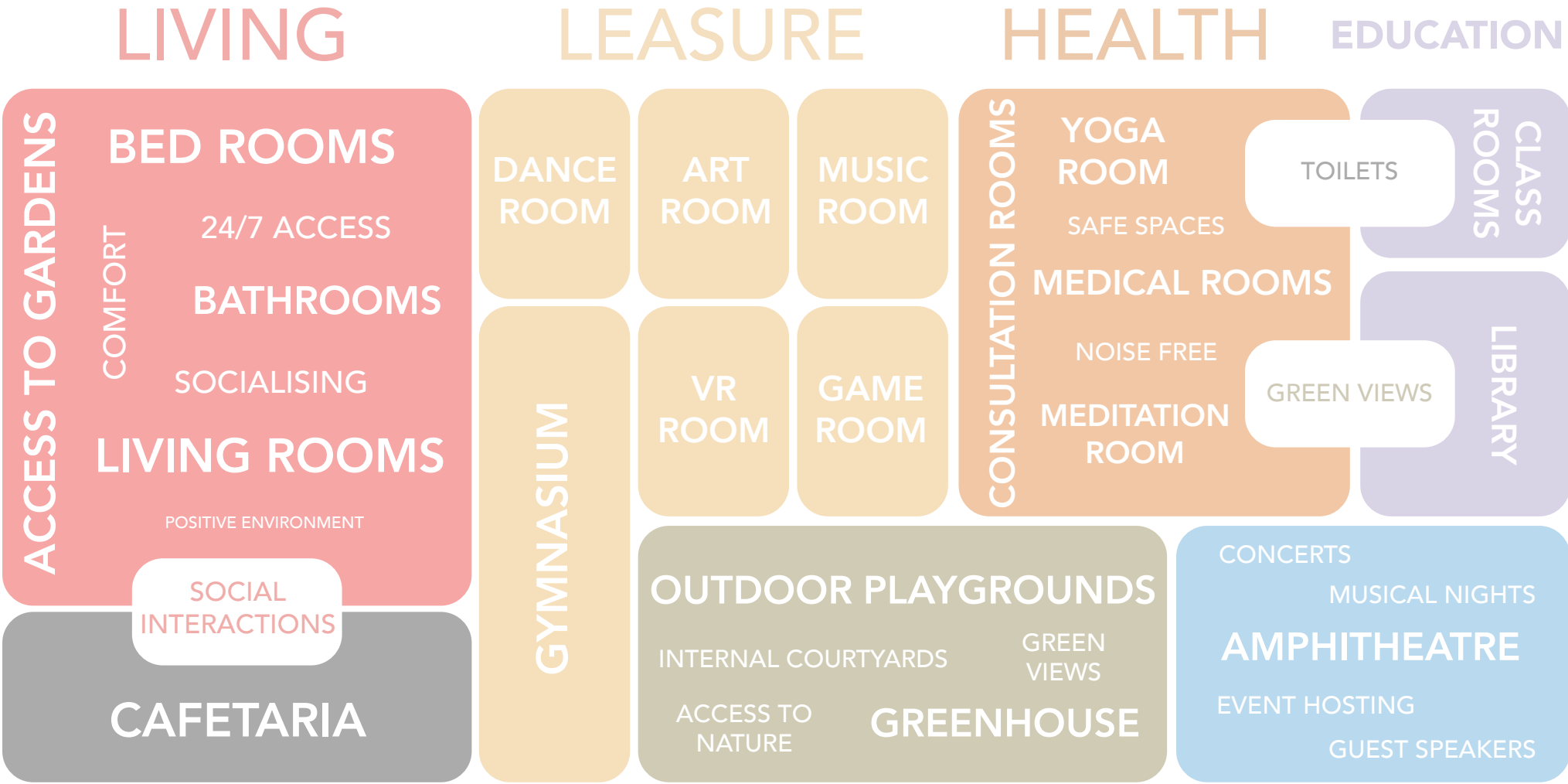
COMMUNITY CENTRE



COMMUNITY CENTRE 2500 m2		
FUNCTION	SIZE	AMOUNT
ART ROOM	40 m2	1
MUSIC ROOM	150 m2	1
GAME ROOM	4.5 m2	1
DANCE ROOM	8 m2	1
MULTI-SPORTS FIELD	15 m2	1
LIBRARY	40 m2	1
LIVING ROOM	150 m2	2
TOILET	4.5 m2	6
THERAPY ROOM	8 m2	2

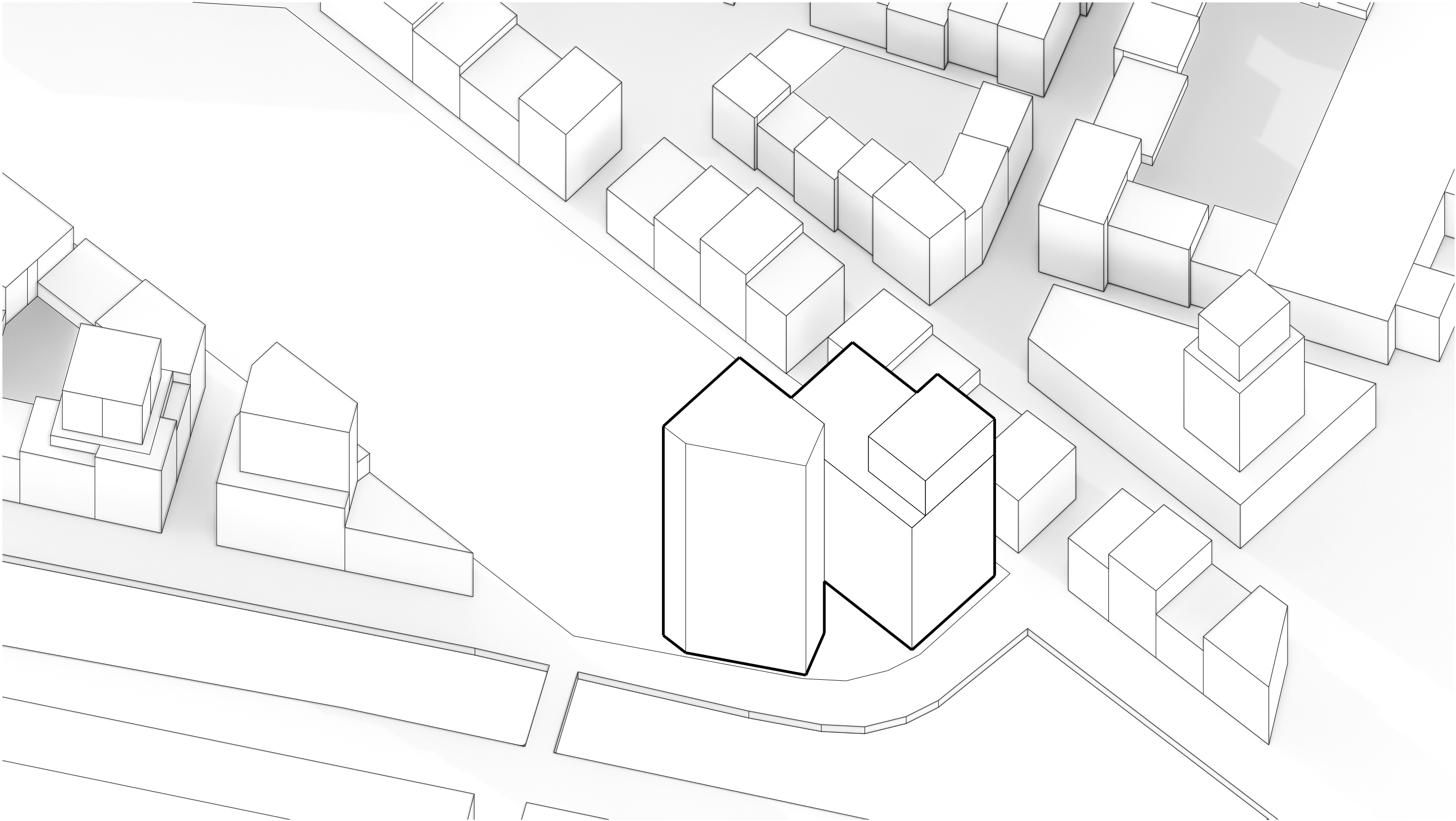
LIVING 4000m2		
BEDROOM	40 m2	50
LIVING ROOM	150 m2	5
TOILET	4.5 m2	50
ACCESS TO GARDENS	8 m2	50
COMMON TOILET	15 m2	5
LEASURE 1500m2		
MUSIC ROOM	100 m2	1
ART ROOM	100 m2	1
ACTIVITIES	1000 m2	1
DANCE ROOM	100 m2	1
GYM ROOM	100 m2	1
VR/ IMMERSIVE ROOM	100 m2	1
HEALTH 1200m2		
CONSULTATION ROOM	20 m2	10
MEDICAL ROOM	20 m2	6
MEDITATION ROOM	100 m2	2
YOGA ROOM	100 m2	2
EDUCATION 300m2		
CLASSROOMS	50 m2	4
LIBRARY	300 m2	1
AMPHITHEATRE	500 m2	1
TOILETS	15 m2	2
GREENHOUSE	50 m2	1

CARE FACILITY

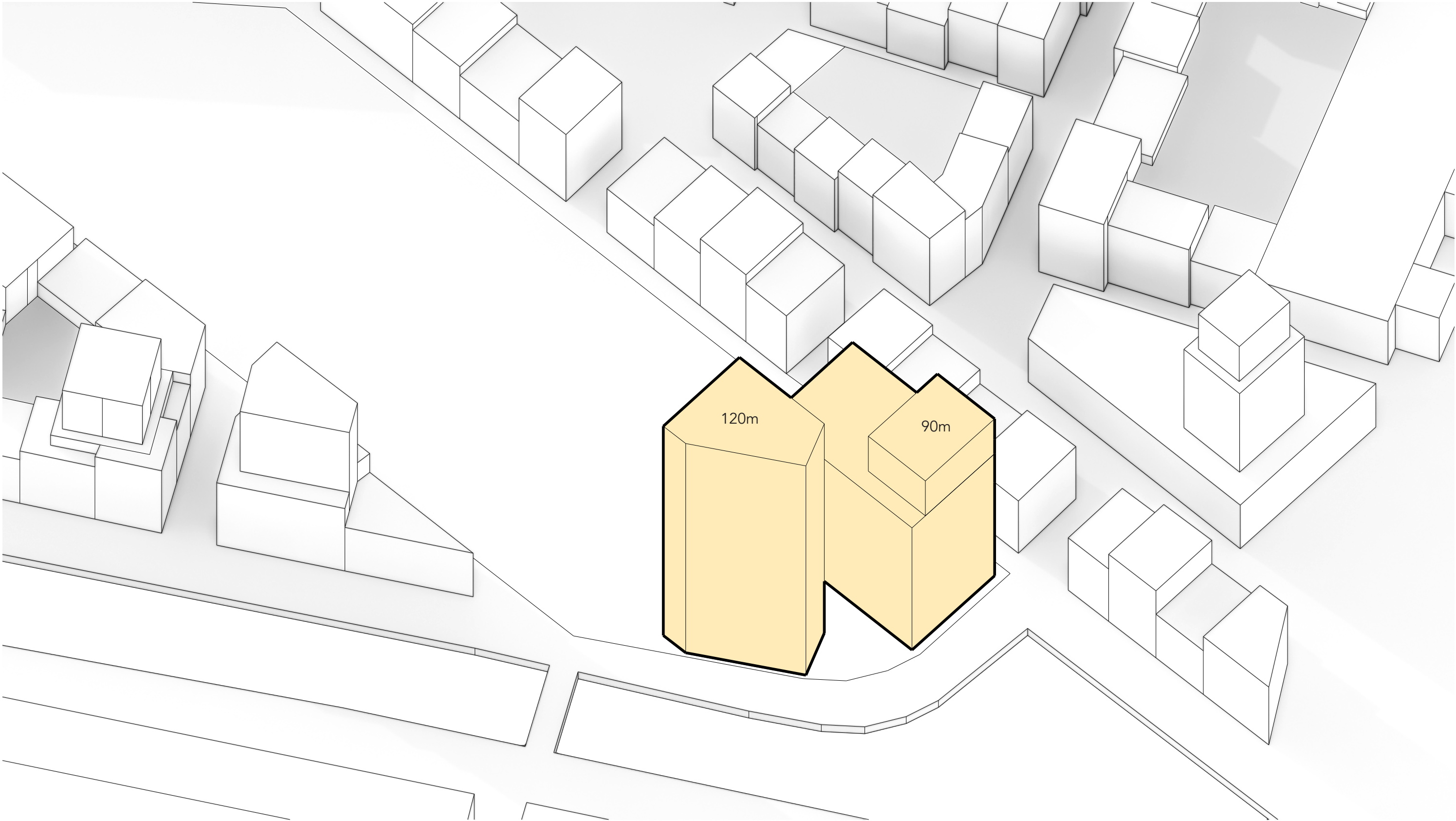


SITE DESIGN & MASTERPLAN

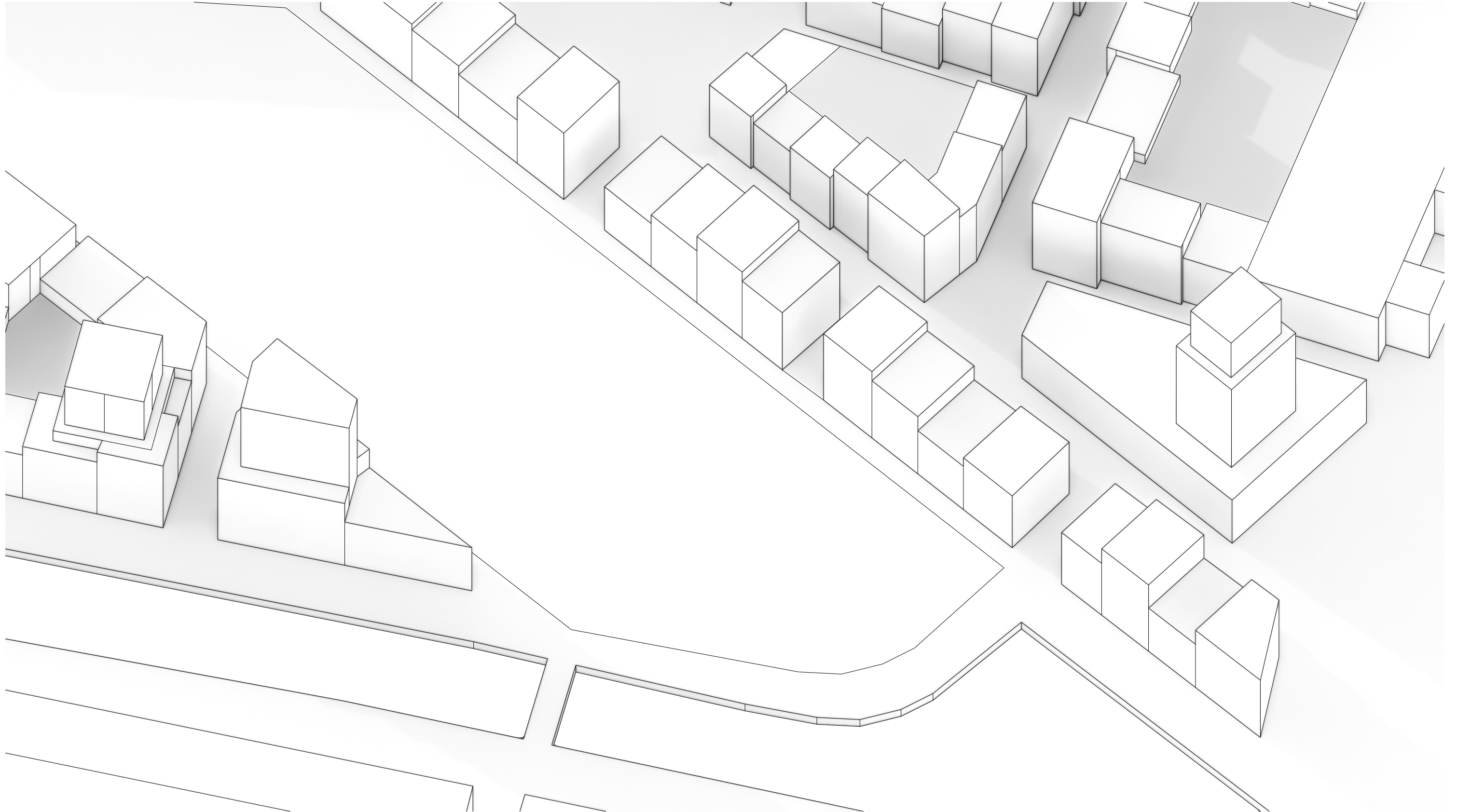
Future Development



Making Adjustments



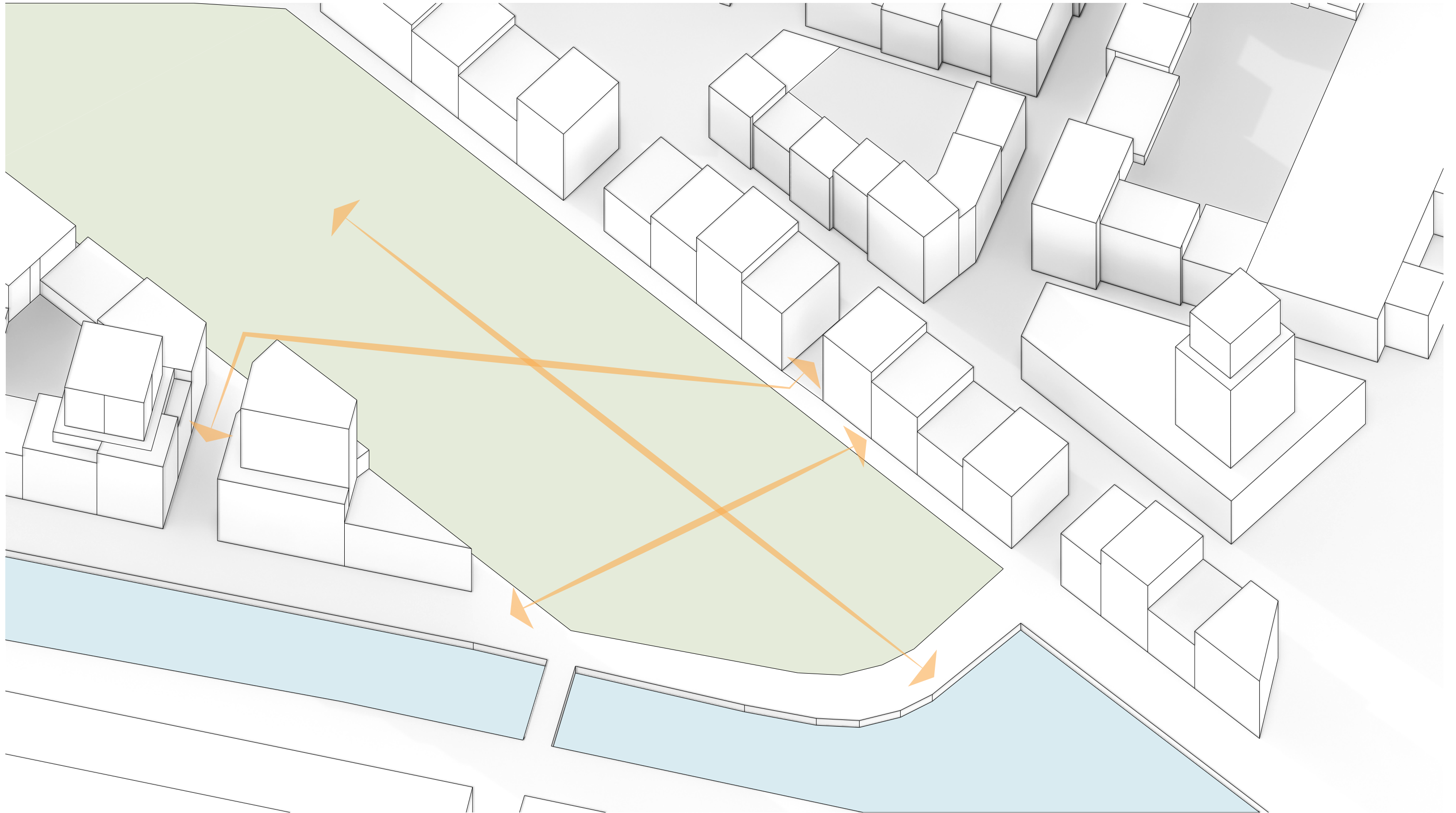
Opening Up The Site



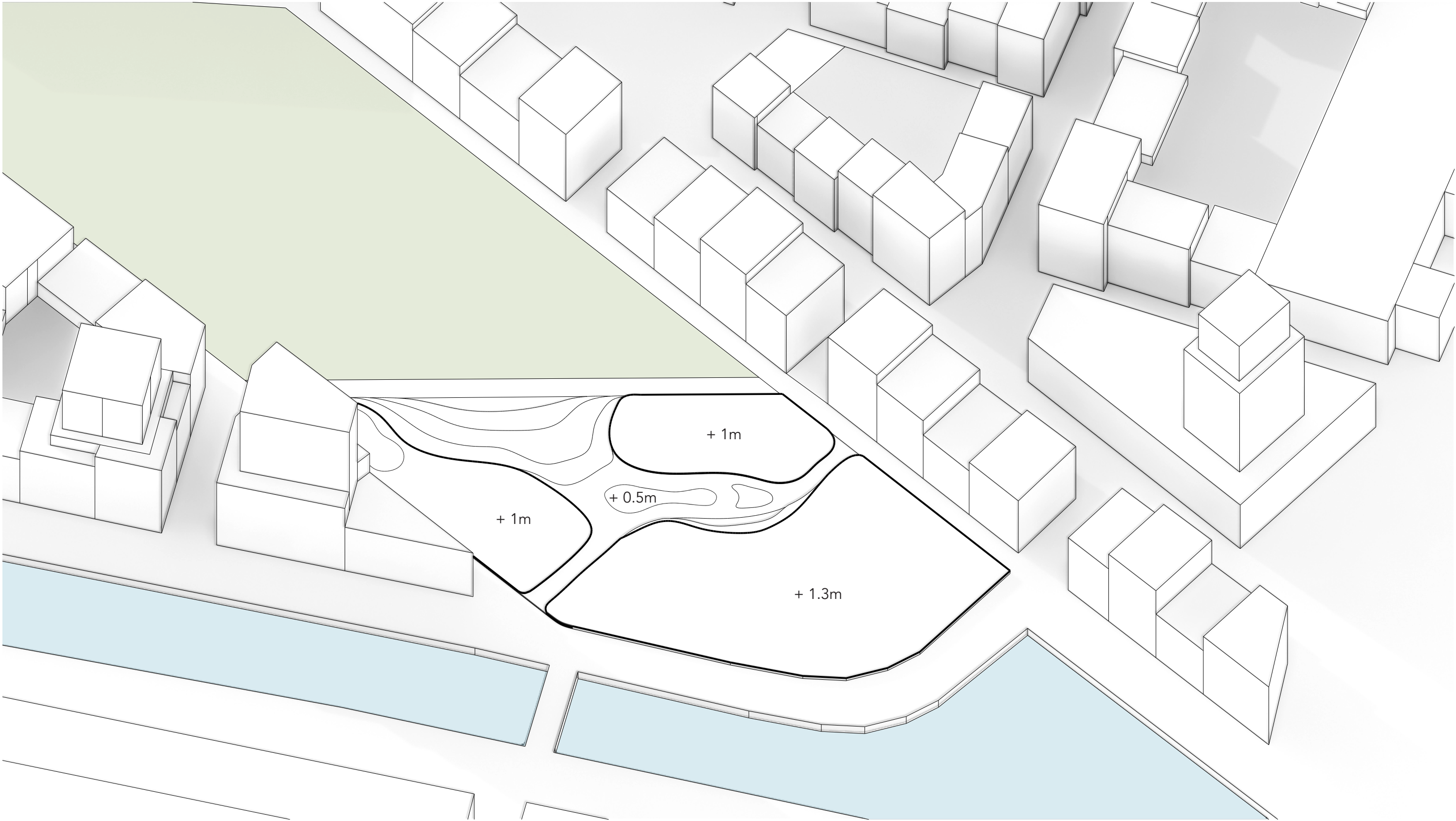
Connecting The Natural Valley



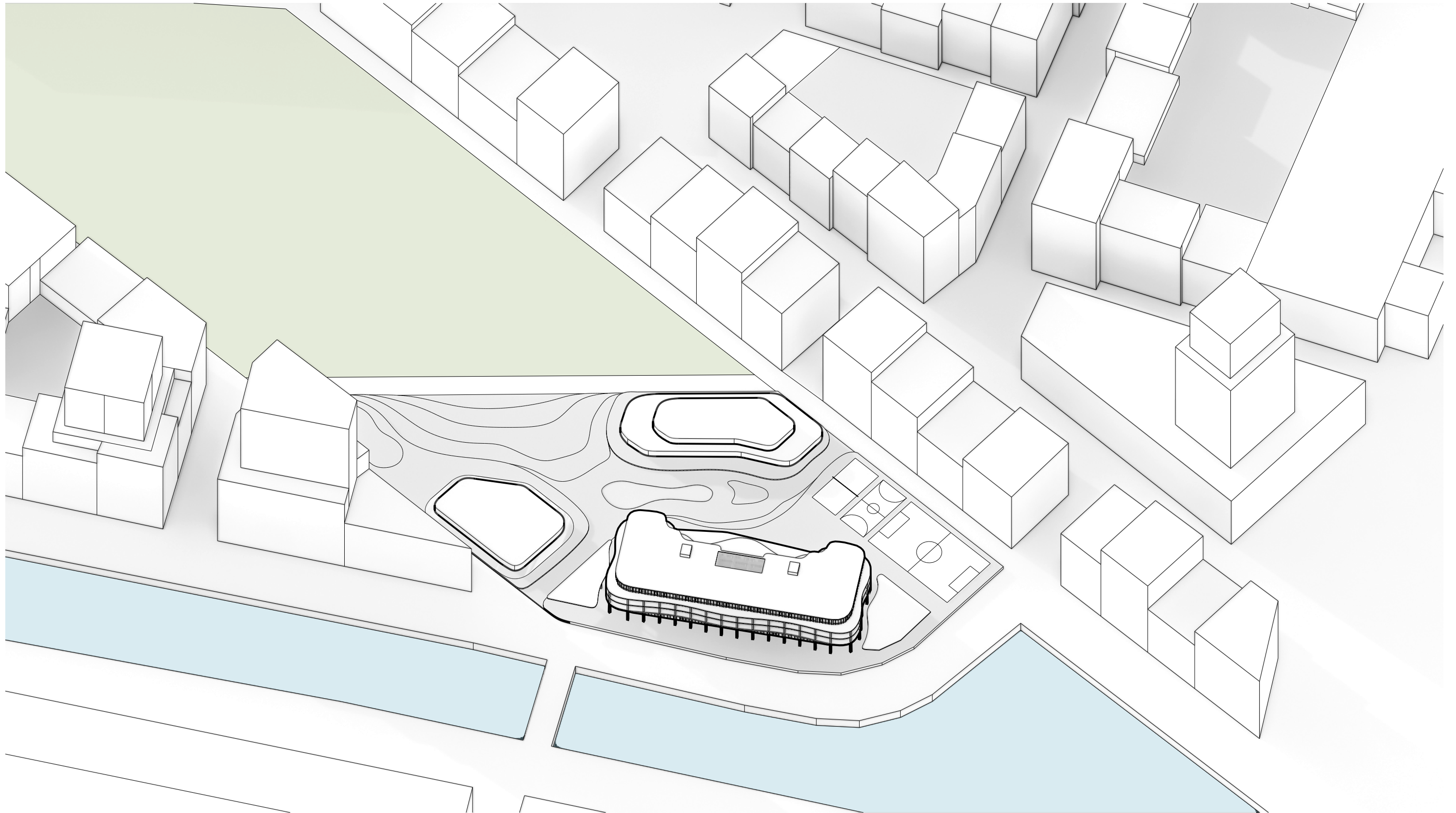
Creating Axis Points



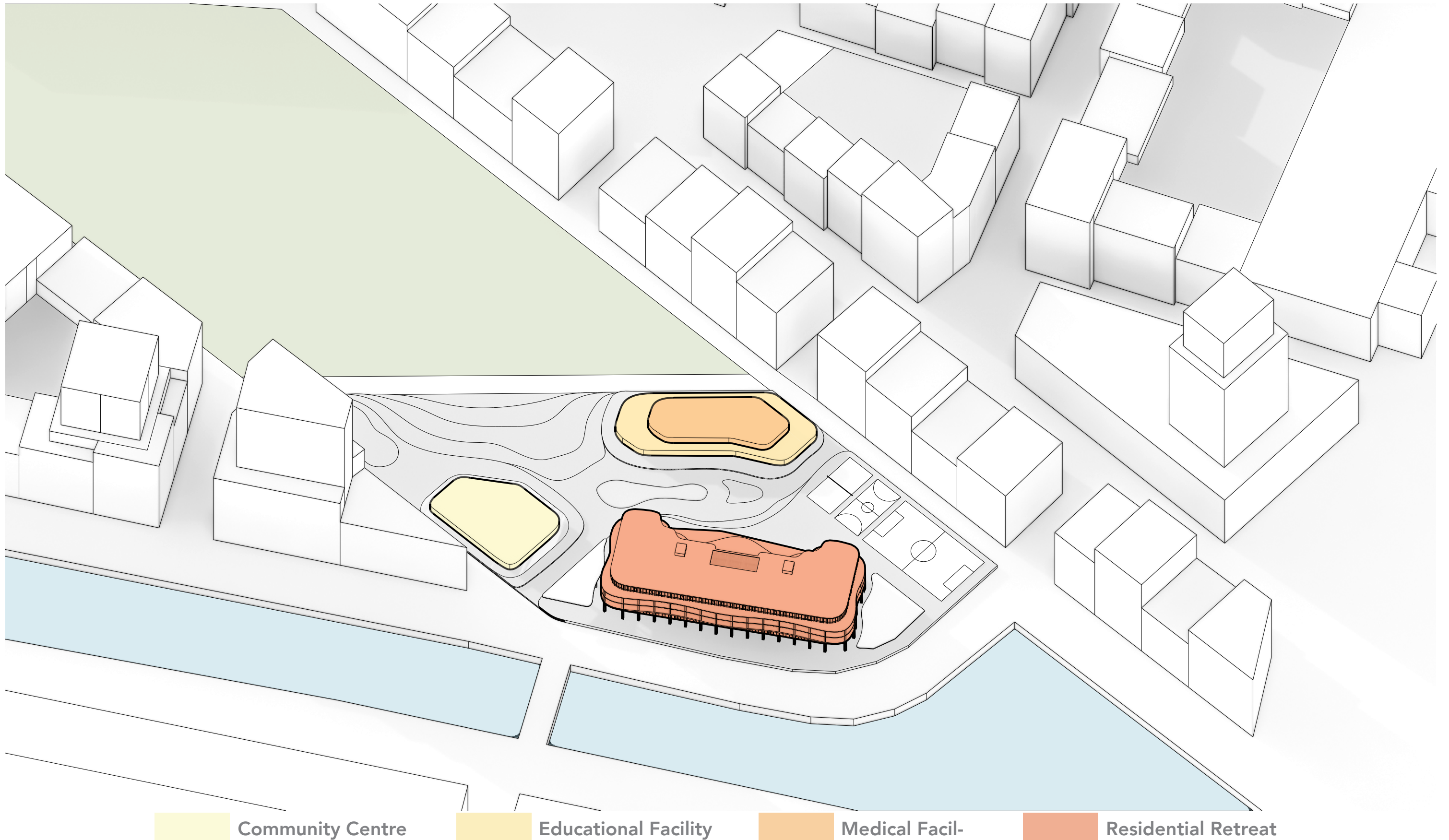
New Site Plan



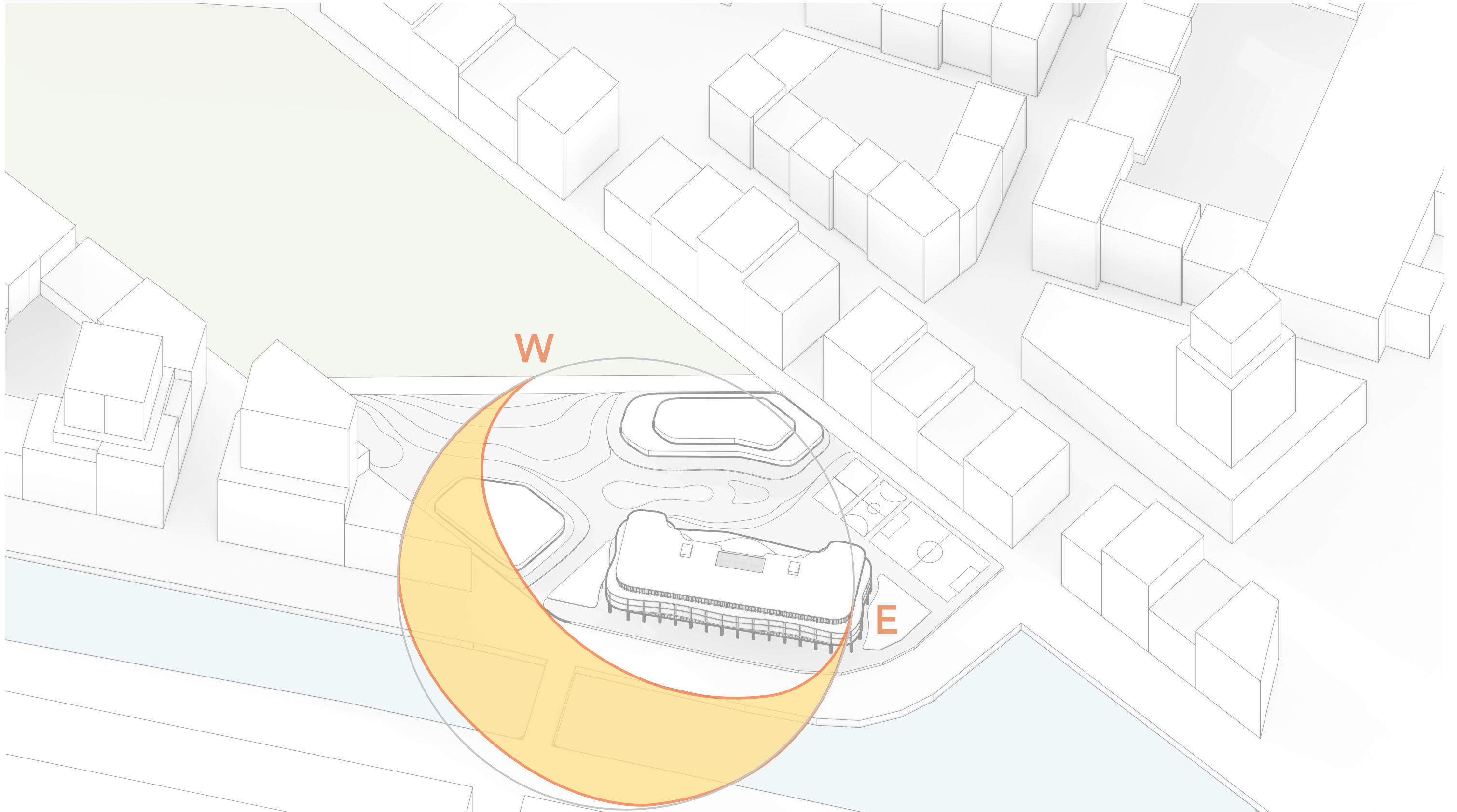
Site Plan With Buildings



Building Functions

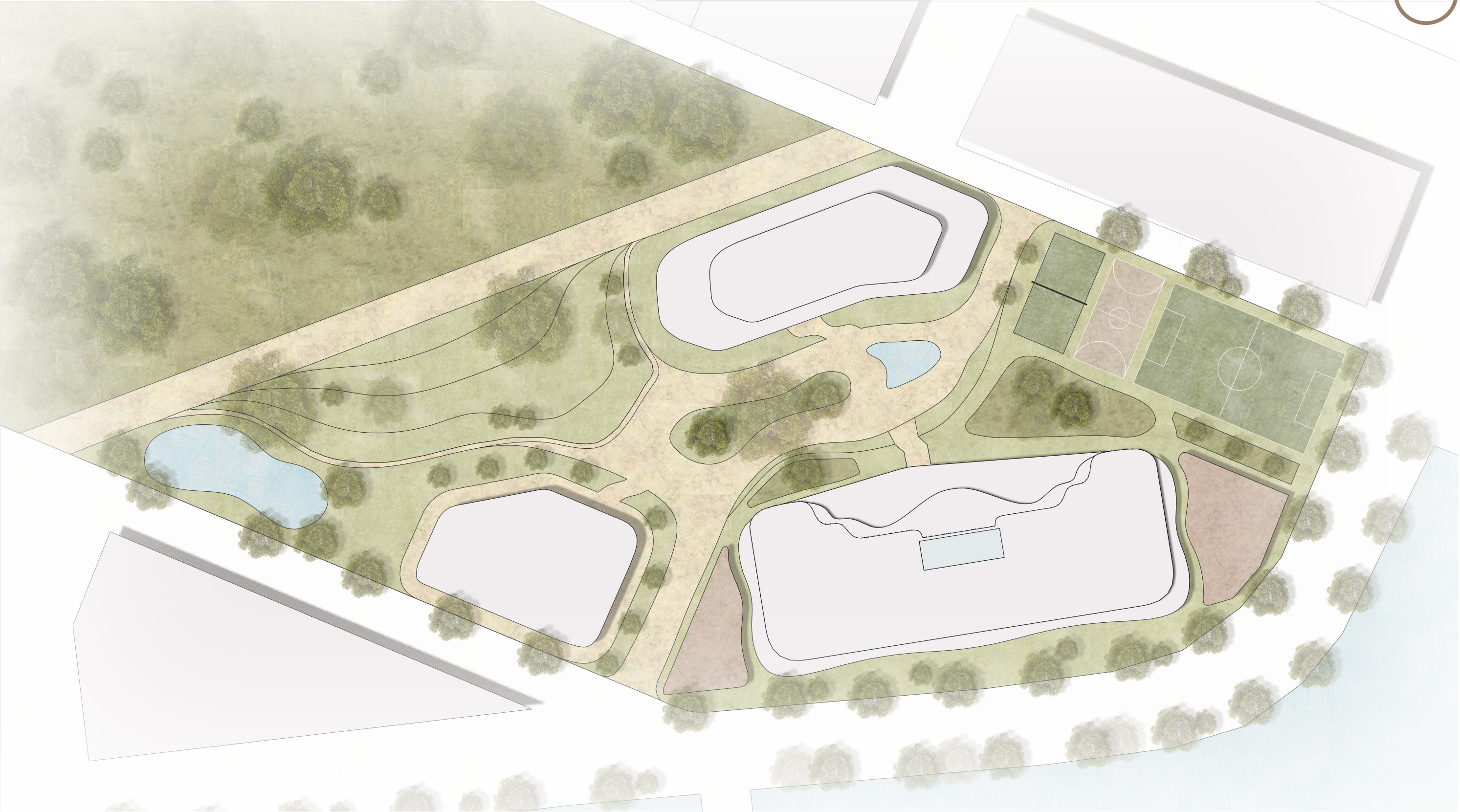


Sun Path Diagram



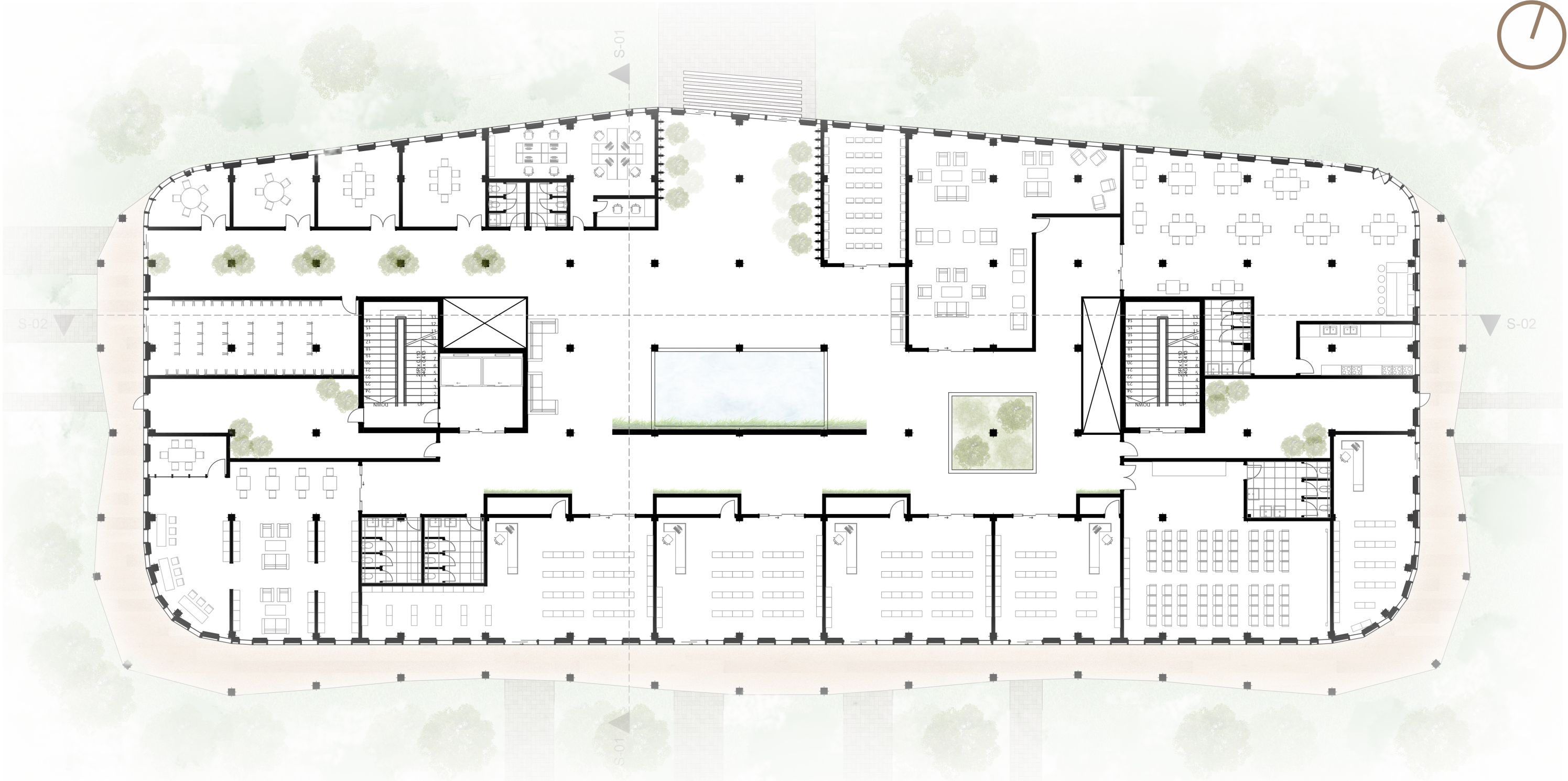
THE ARCHITECTURE

Masterplan



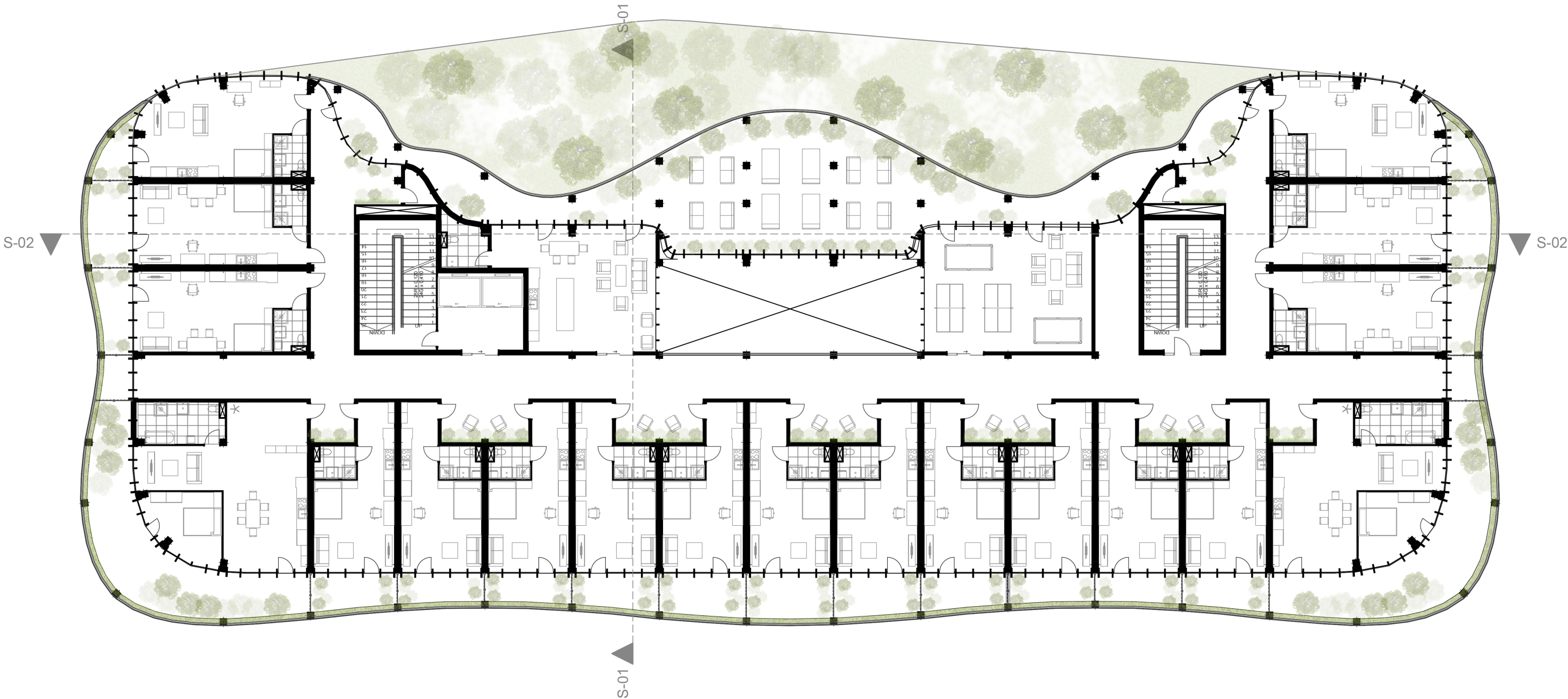
Scale 1:1000
(Scaled Down)

Ground Floor Plan



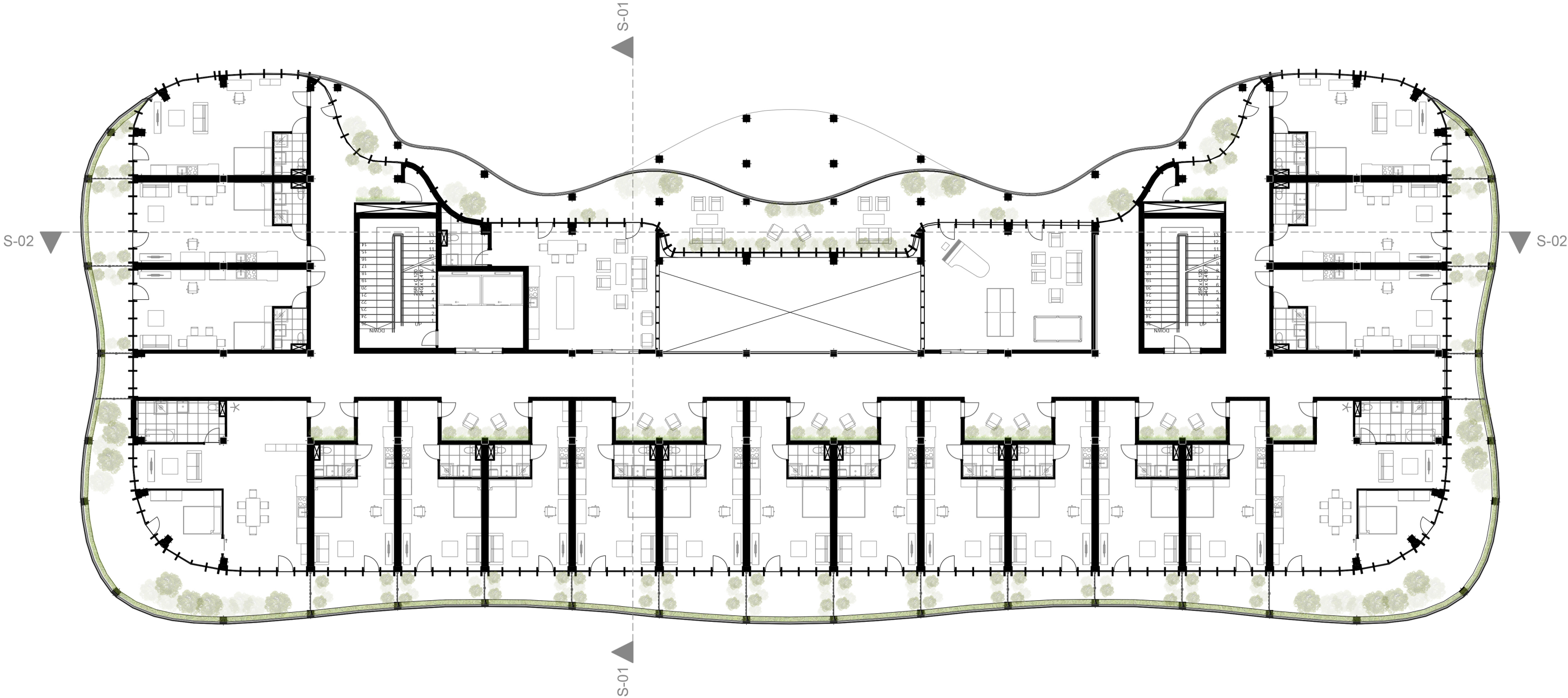
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First Floor Plan



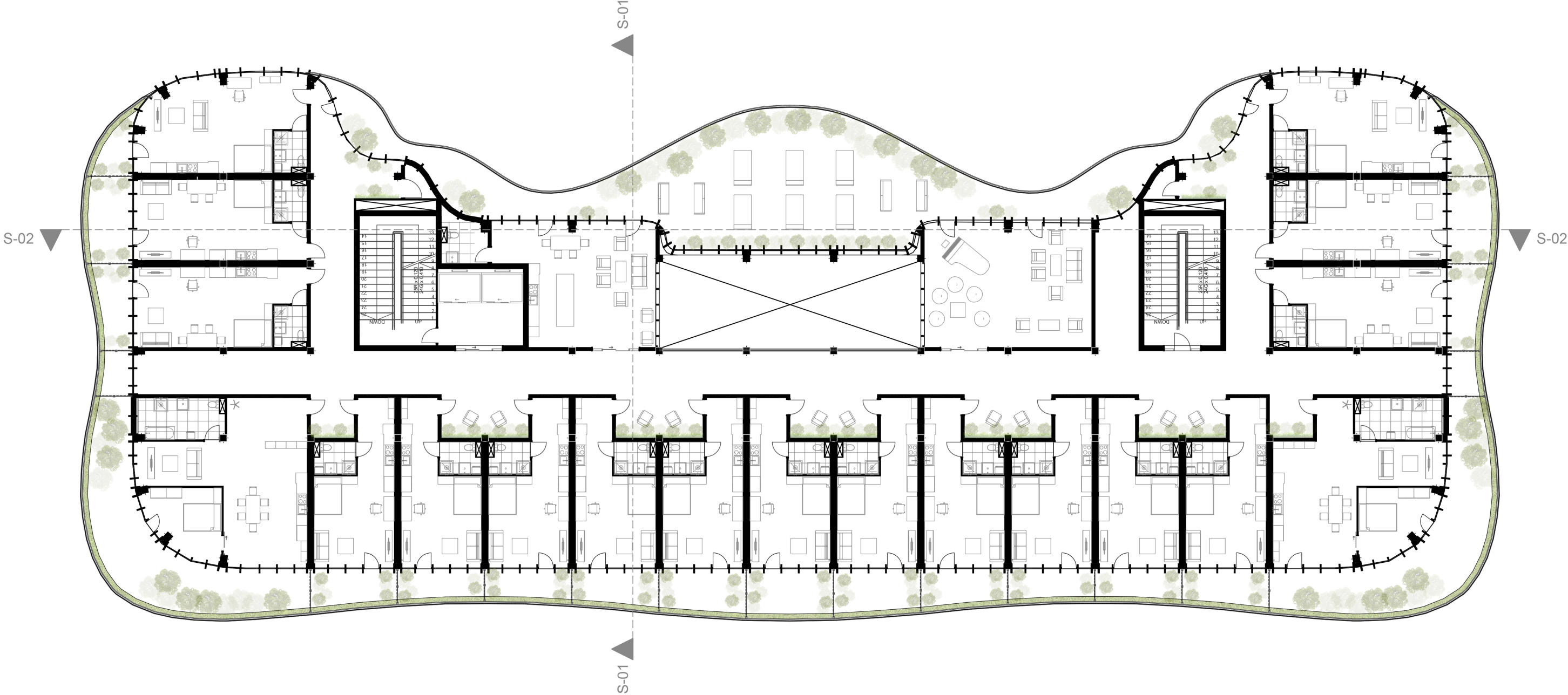
Scale 1:200
(Scaled Down)

Second Floor Plan



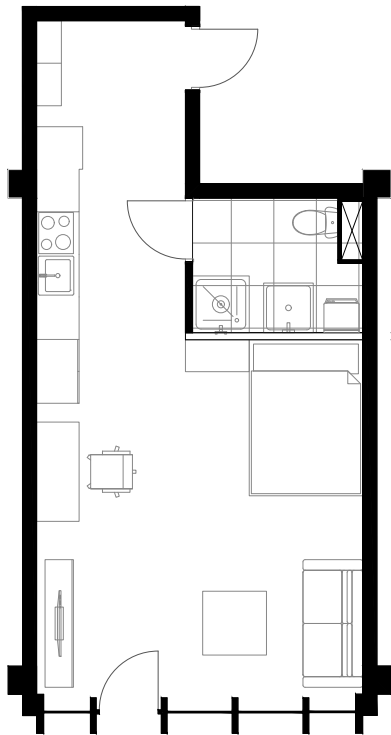
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Third Floor Plan

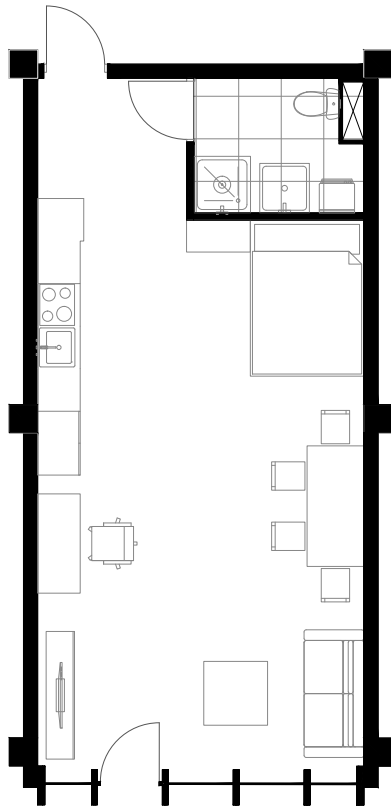


Scale 1:200
(Scaled Down)

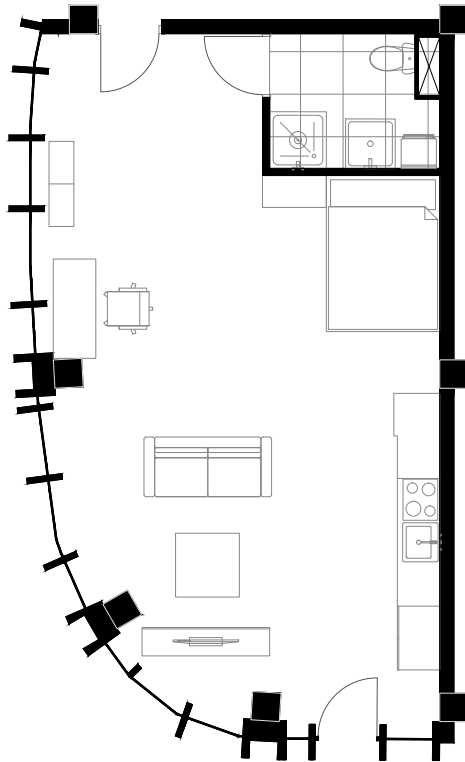
Studio Types



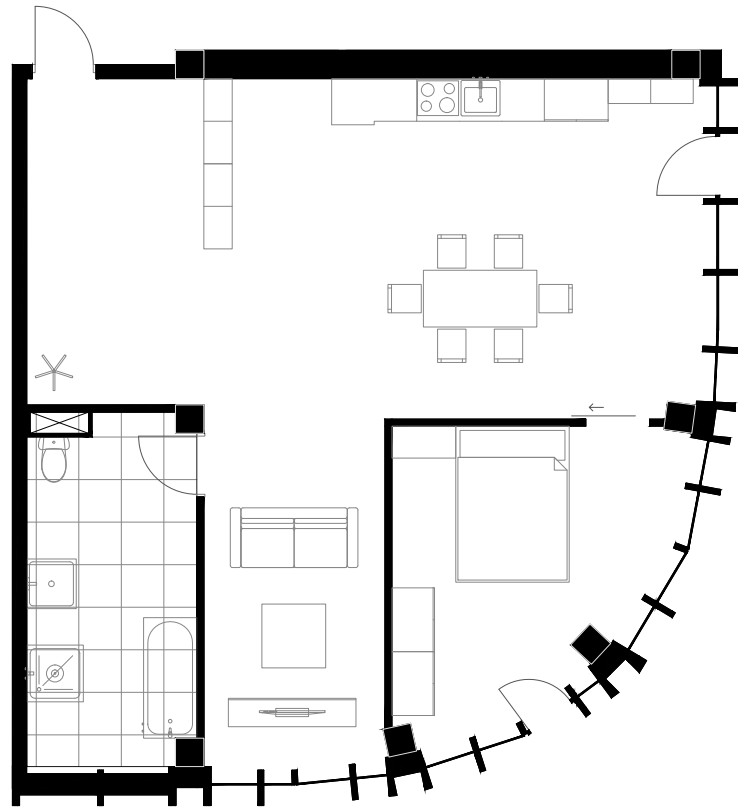
Studio A
Area: 38m2



Studio B
Area: 45m2



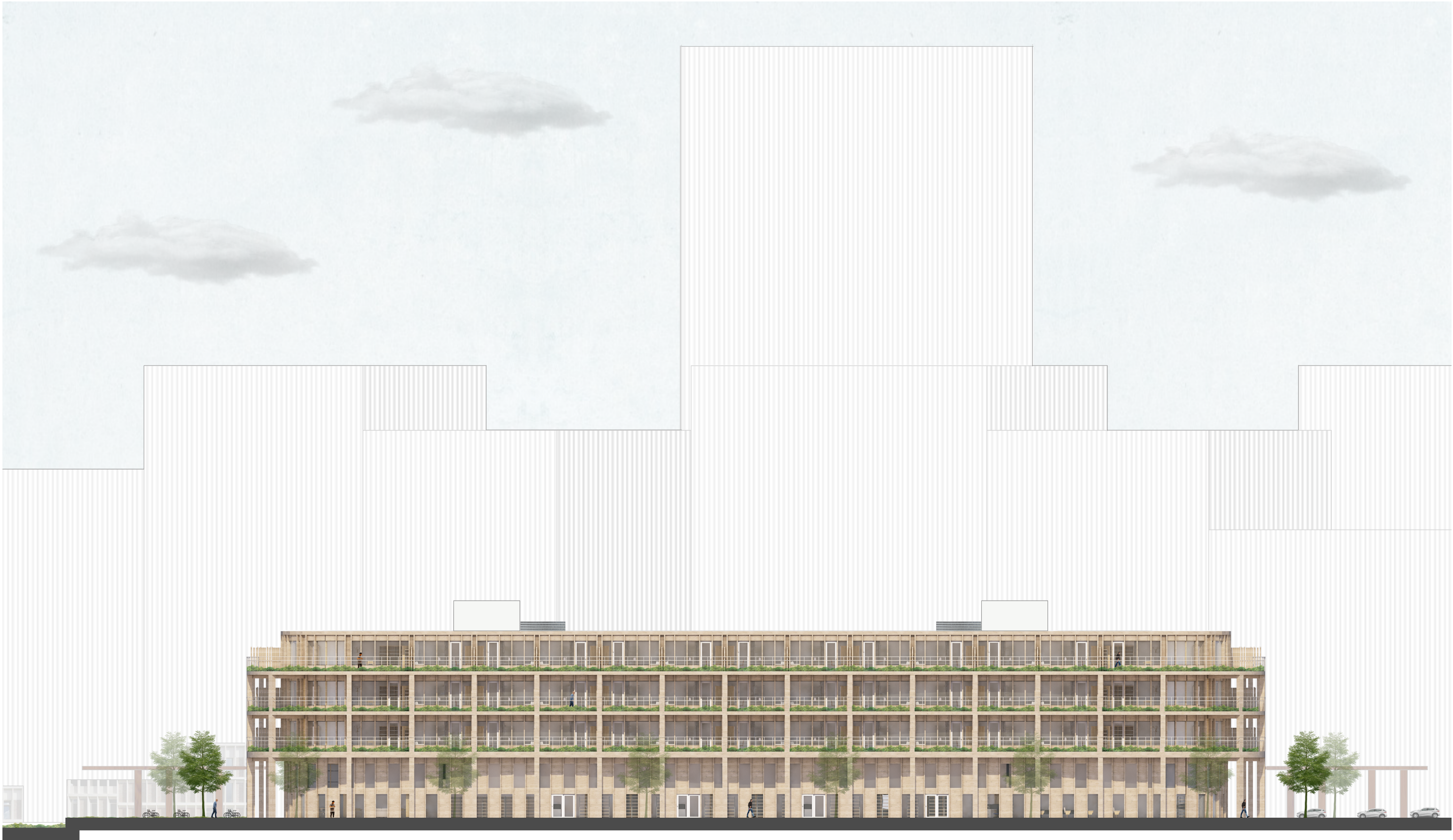
Studio C
Area: 52m2



Studio D
Area: 90m2

Scale 1:50
(Scaled Down)

South Elevation



Scale 1:200
(Scaled Down)

North Elevation



Scale 1:200
(Scaled Down)

North Section



Scale 1:200
(Scaled Down)

East Elevation



Scale 1:200
(Scaled Down)

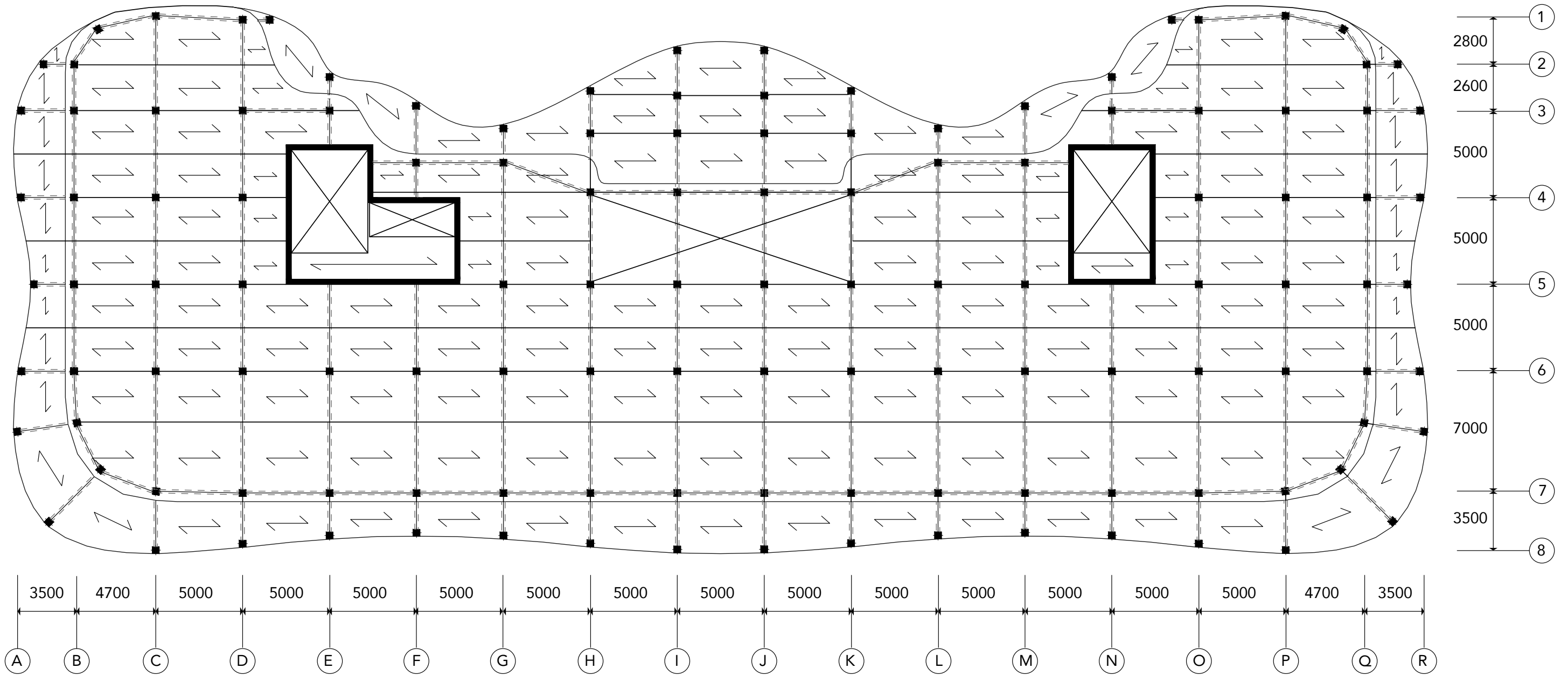
East Section



Scale 1:200
(Scaled Down)

THE BUILDING TECHNOLOGY

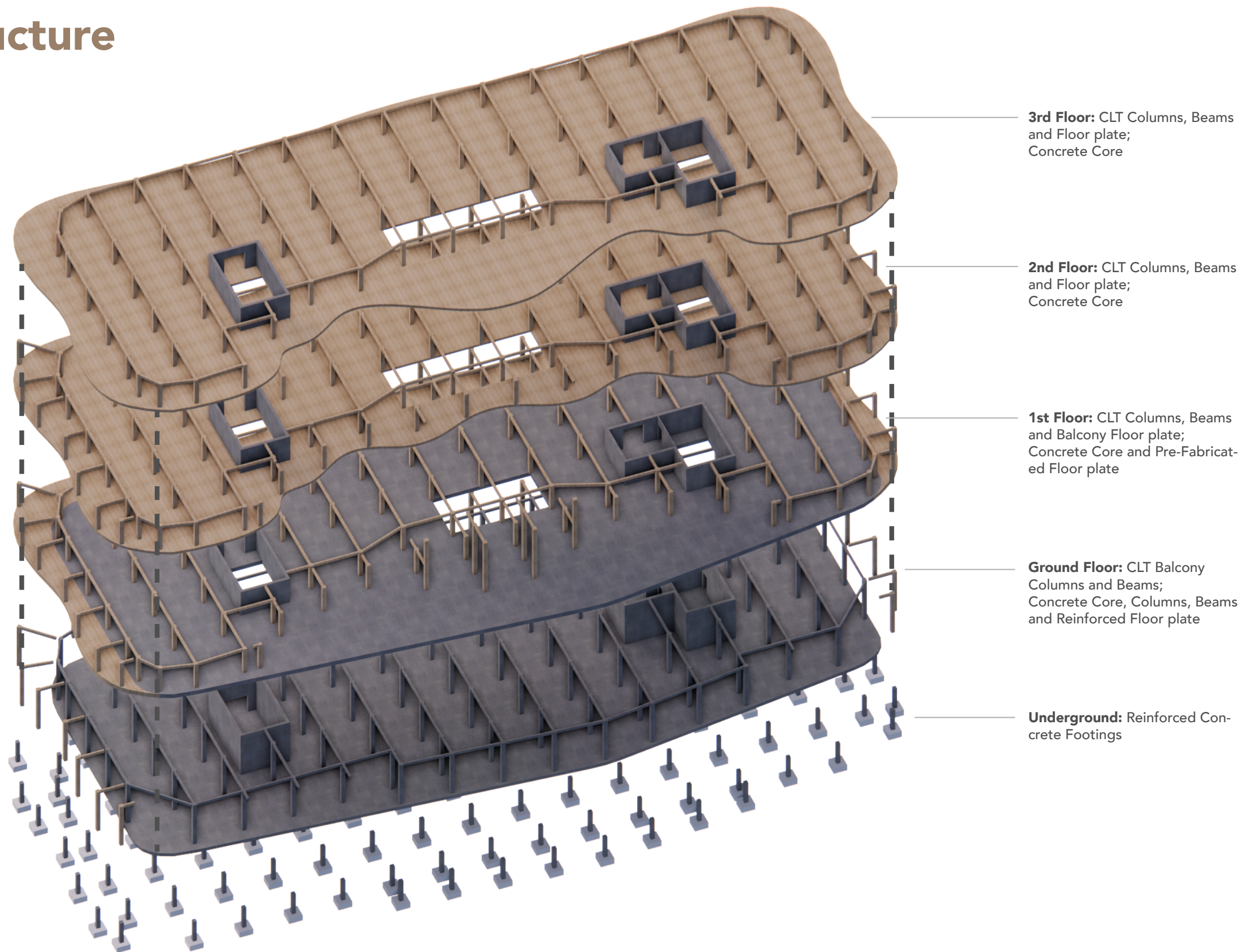
Structural Scheme



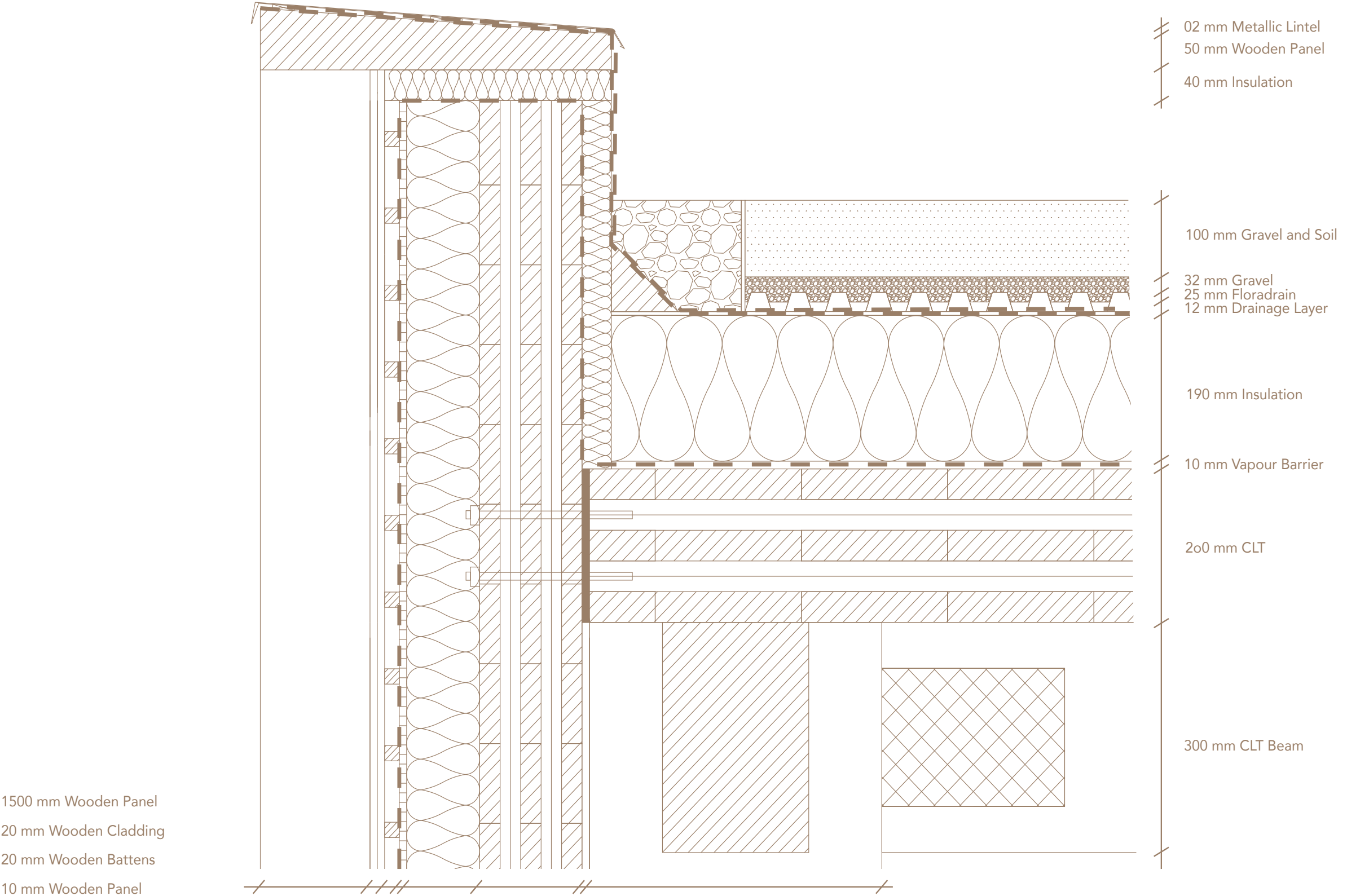
Scale 1:200

Building Diagram

Exploded Structure

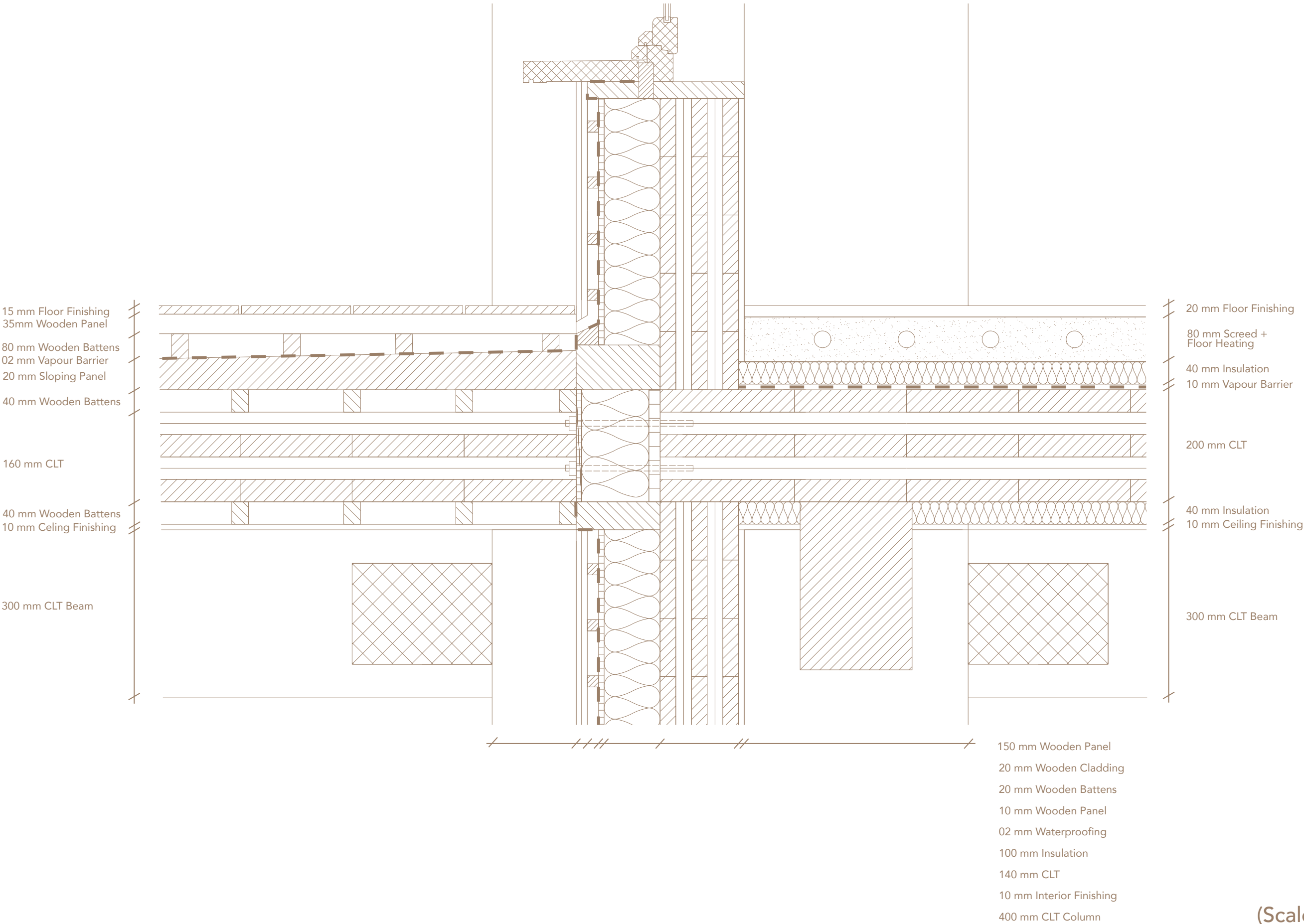


Roof Detail



Scale 1:5
(Scaled Down)

Facade to Balcony CLT Connection Detail



Scale 1:5
(Scaled Down)

Foundation Detail

10 mm Floor Finishing
30 mm Wooden Plank
90 mm Wooden Battens

160 mm Angled Concrete Slab

300 mm Gravel with
Water Drainage

10 mm Floor Finishing
80 mm Screed + Floor Heating

300 mm Reinforced Concrete Slab

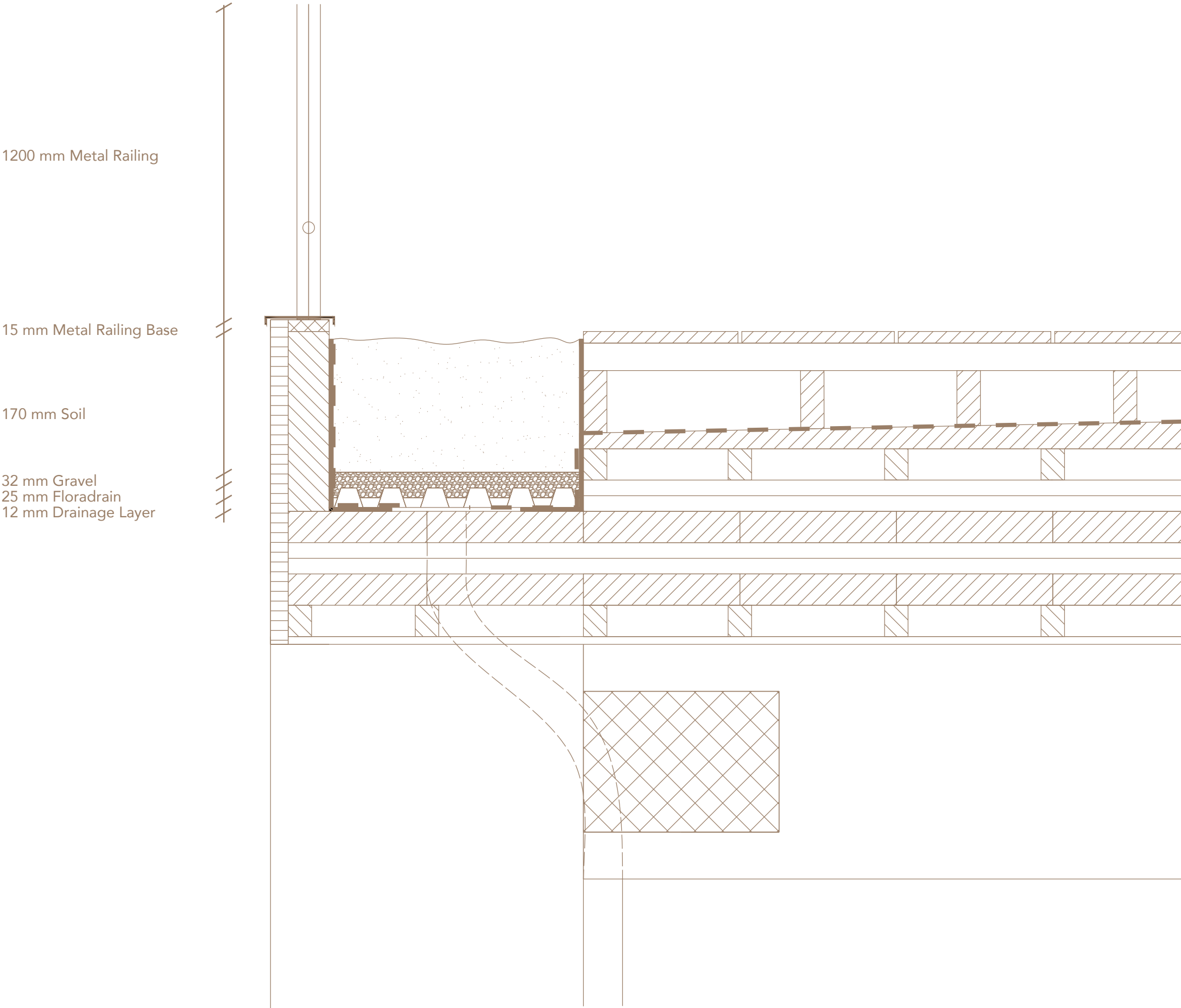
02 mm Vapour Barrier
100 mm Insulation

210 mm Gravel

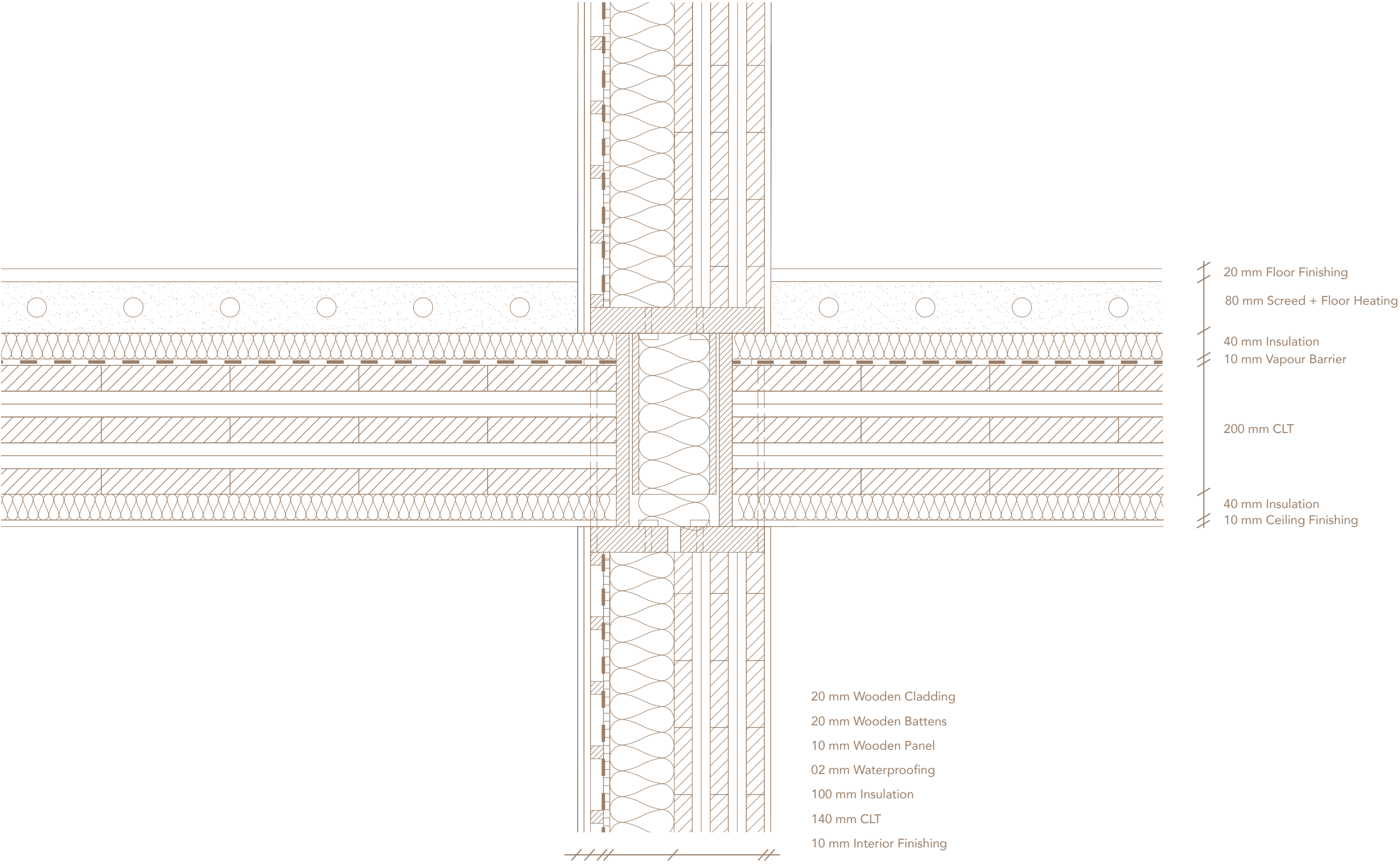
700 mm Concrete Footing

Scale 1:10
(Scaled Down)

Balcony Flowerbed Detail

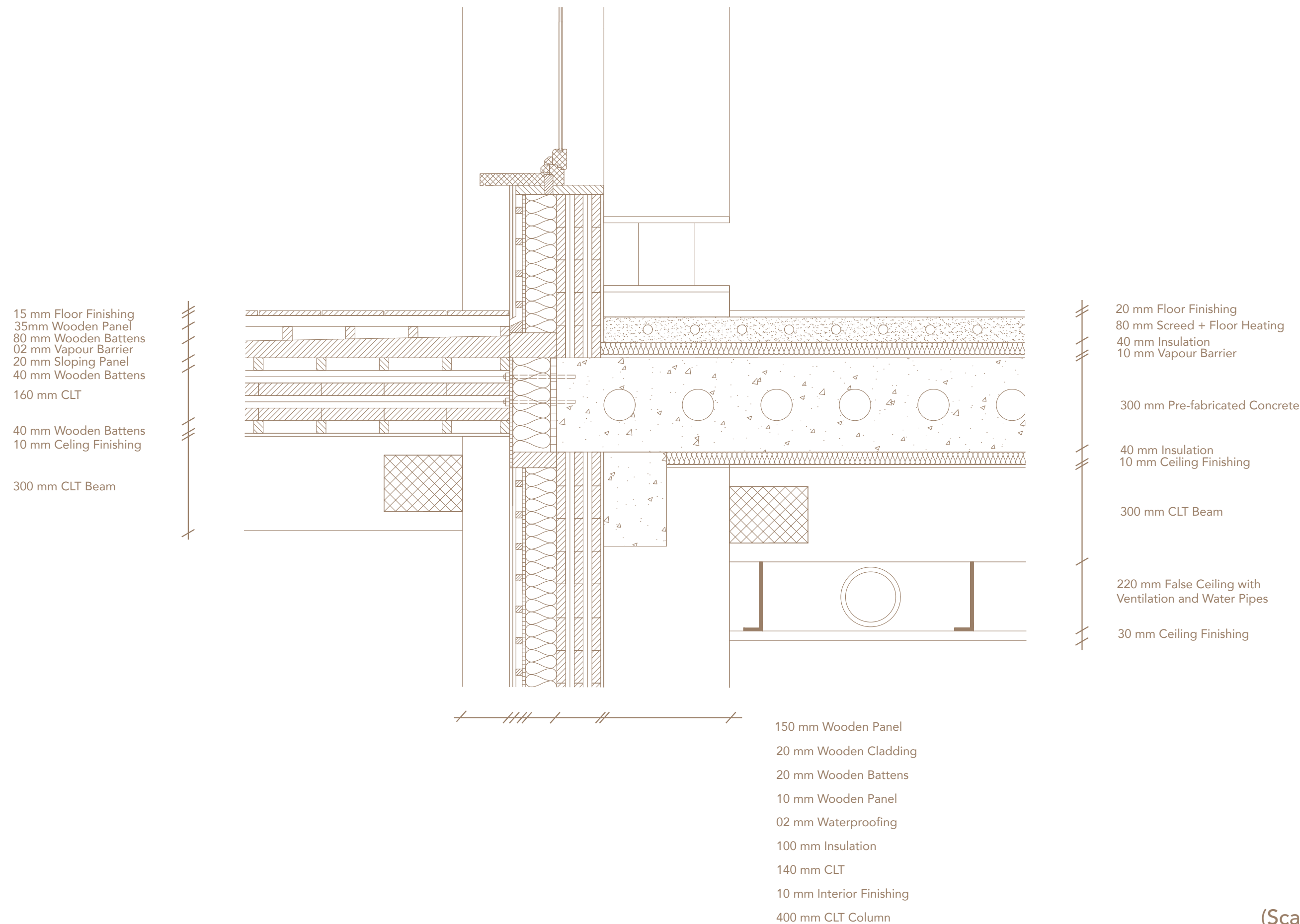


CLT Column - Beam Connection Detail

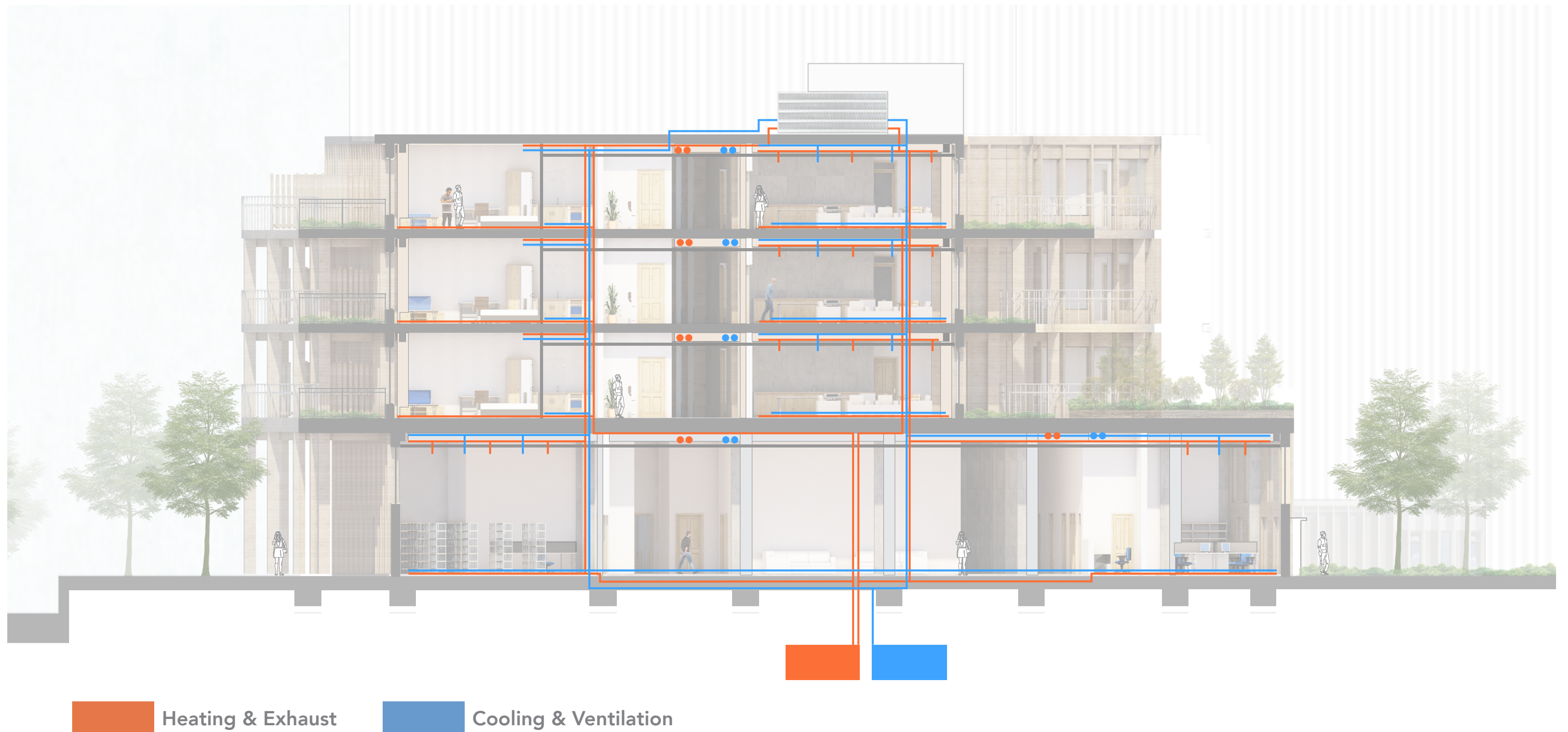


Scale 1:5
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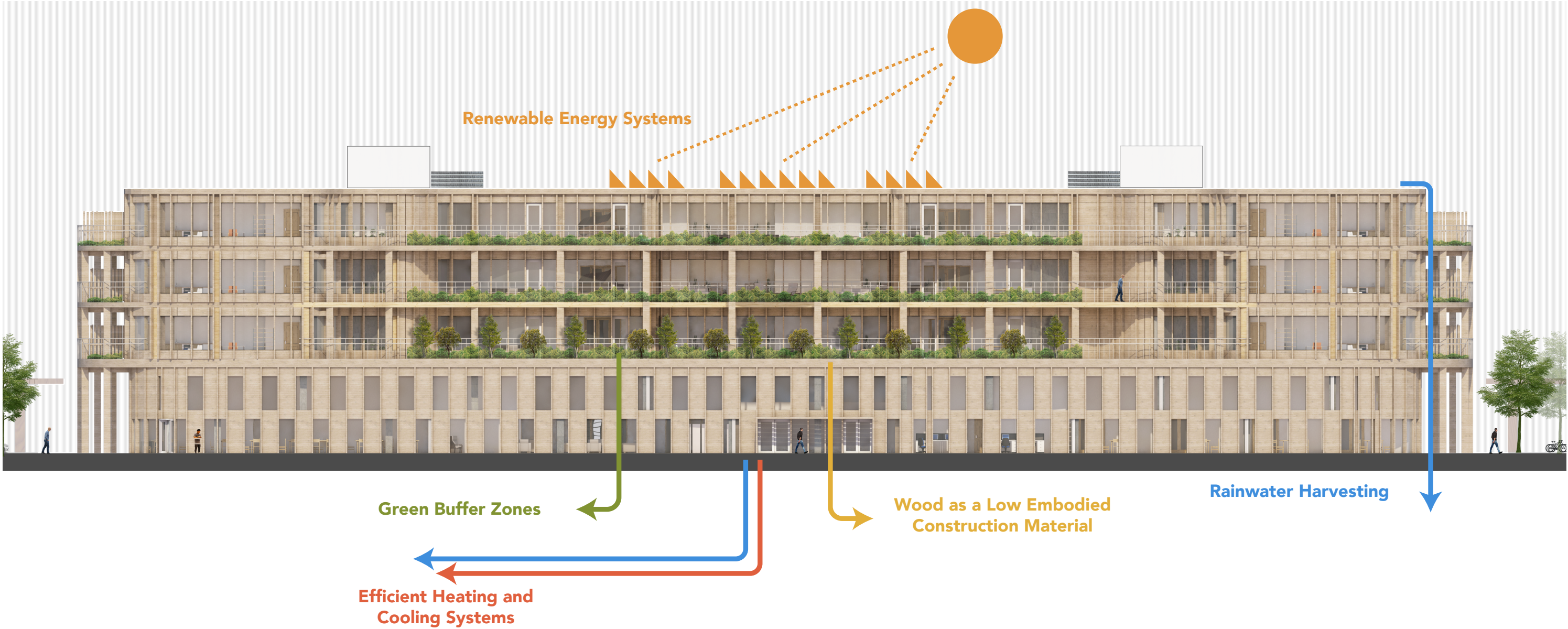
Pre-fabricated Concrete Floorslab Detail



Climate Diagram



Sustainability Diagram



RENDERS & VISUALS

Main Entrance



Communal Library



Local Supermarket



Communal Cinema Room



1st Floor Living Room



2nd Floor Living Room



3rd Floor Living Room



Communal Kitchen



Studio Type A Render



During Monsoon Season



During Summer Season



During Fall Season

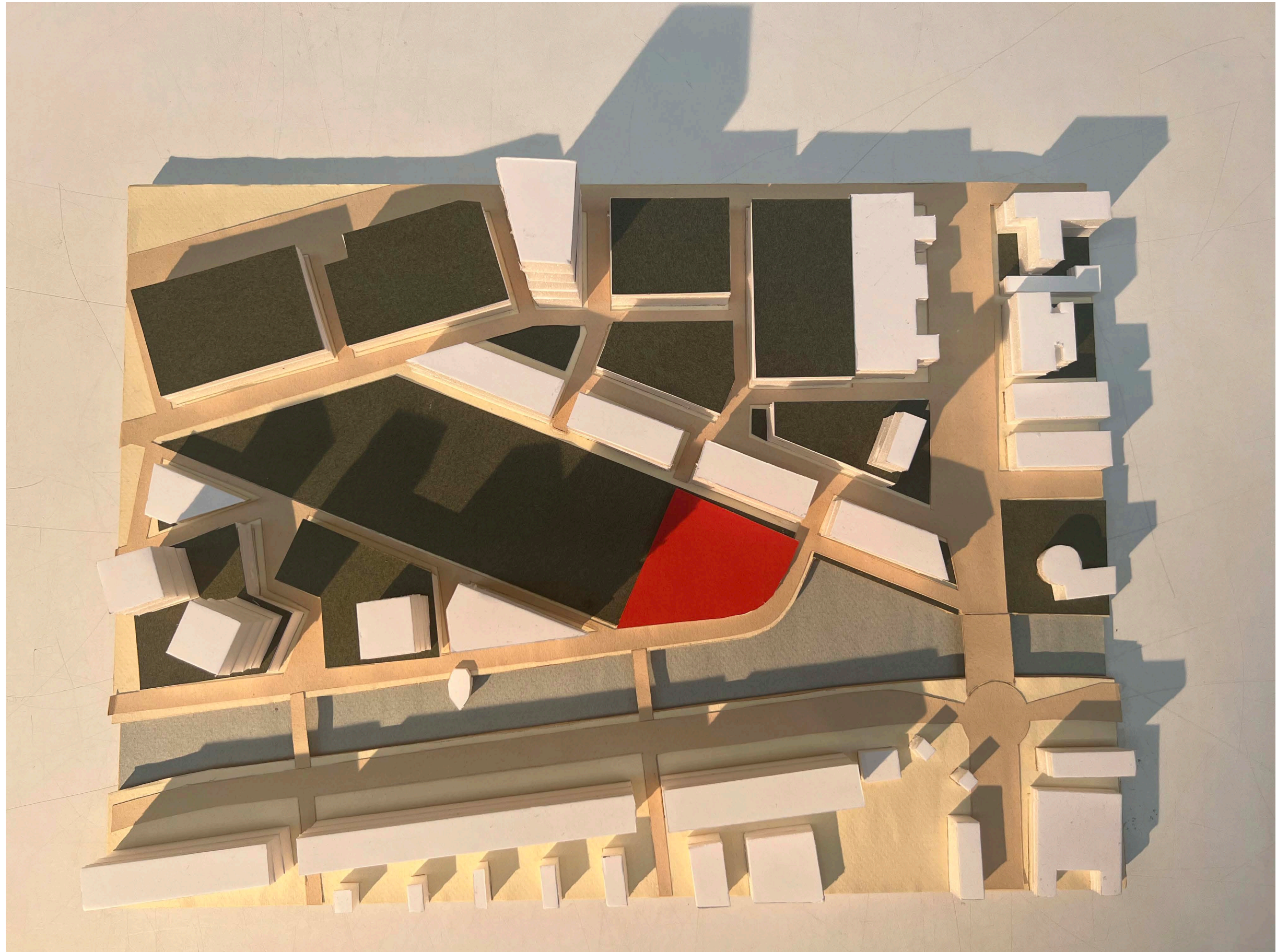


During Winter Season

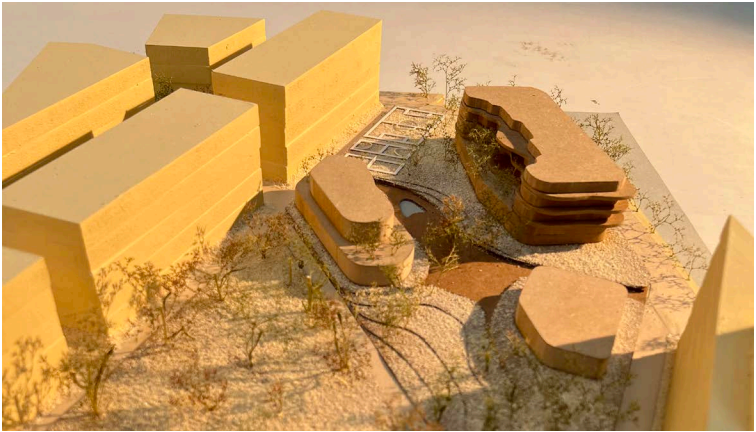
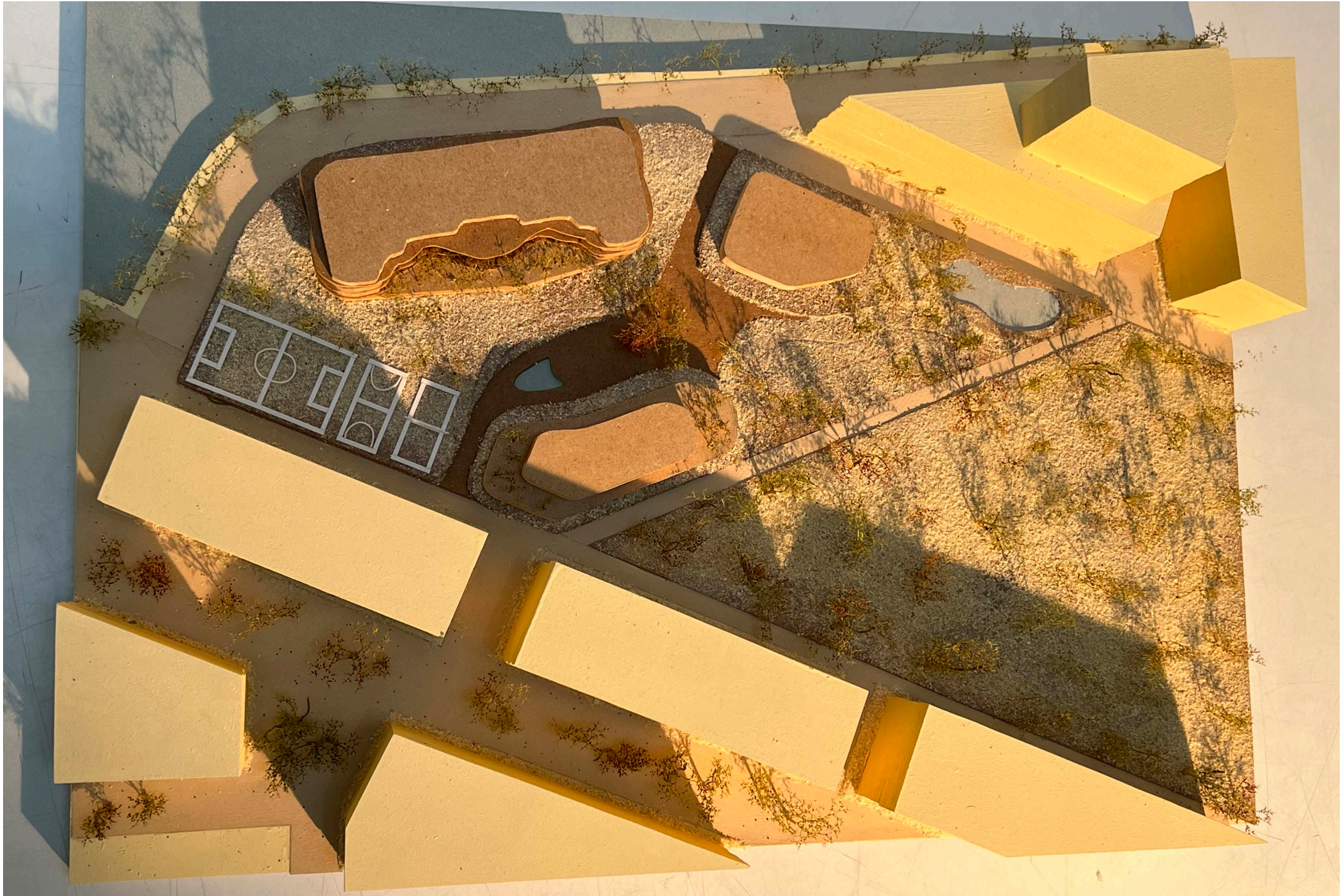


MODELS

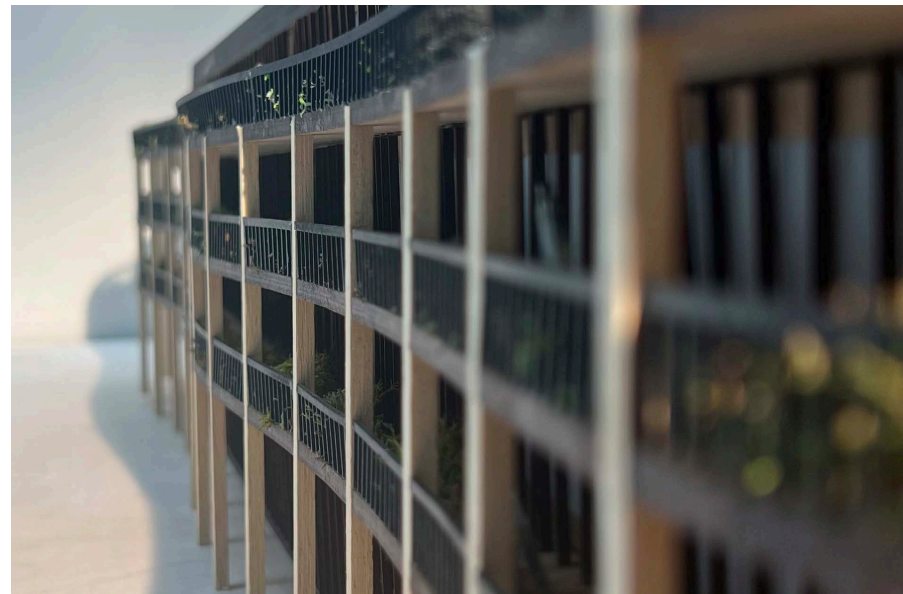
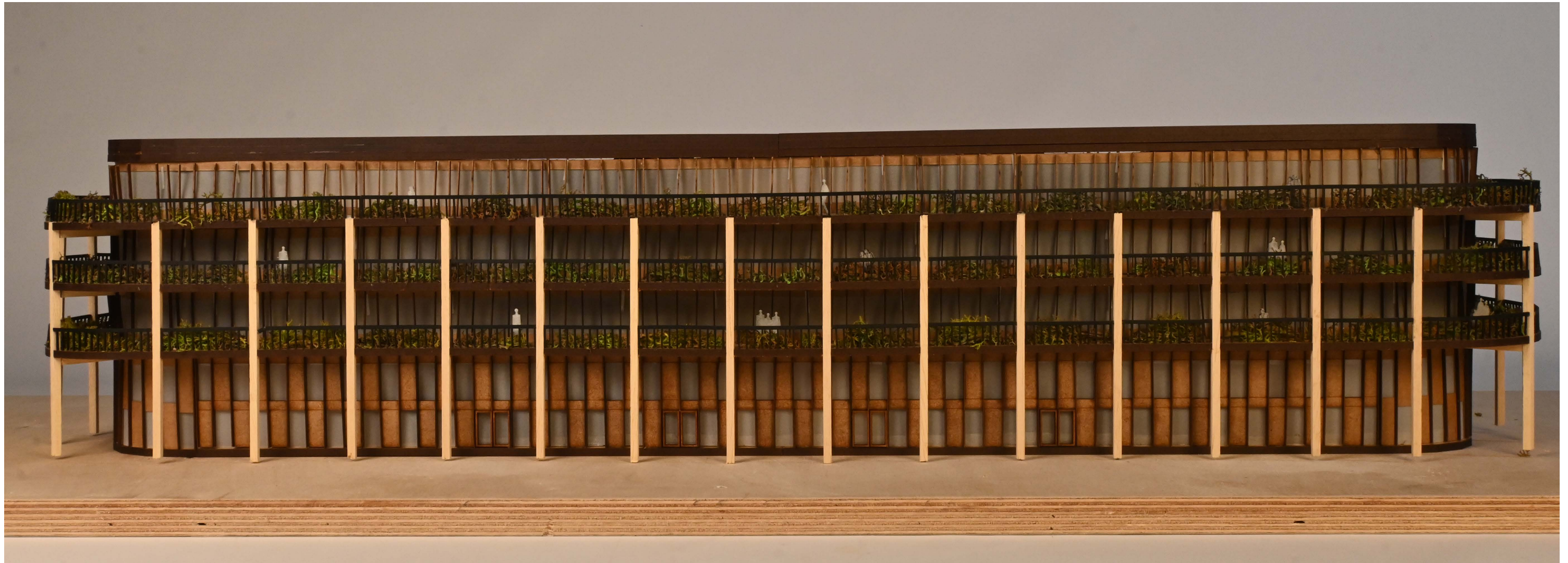
Site Model 1:1500



Masterplan Model 1:500



Facade Section Model 1:100



Studio Type Model 1:20

