

An aerial perspective of a coastal urban landscape. In the foreground, a large, modern building with a long, low profile and a patterned facade (resembling solar panels) is situated along a waterfront. Behind it, a tall, rectangular building with a light-colored, textured facade rises. To the right, a prominent skyscraper with a light-colored, angular facade and a flat roof with a central cross-shaped structure is visible. The area is interspersed with green parks and smaller buildings. A river or body of water flows through the scene, with a small boat visible on the water. The overall image has a clean, architectural aesthetic.

CONTEXTUALITY WITH A TWIST

Hotel New York



complex projects

09/07/2021

Introduction

Research

Design Brief

Project Concept

Implementation

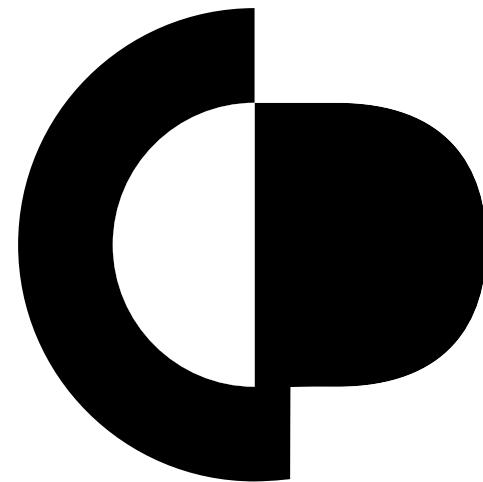
Development

Conclusion

INDEX

Introduction

Complex Projects

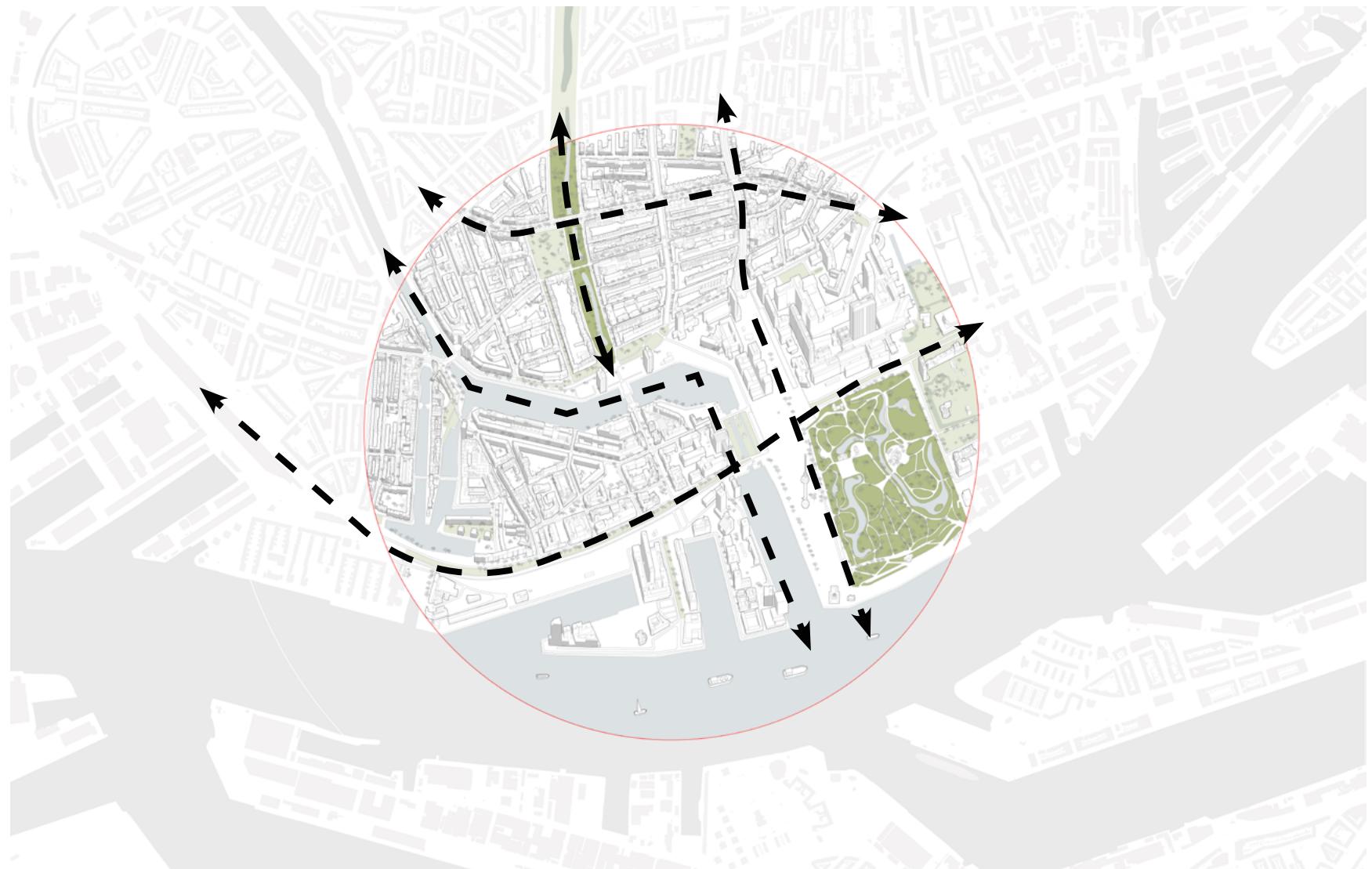


MIGRATION OF IDEAS

Site



Western Archipelago



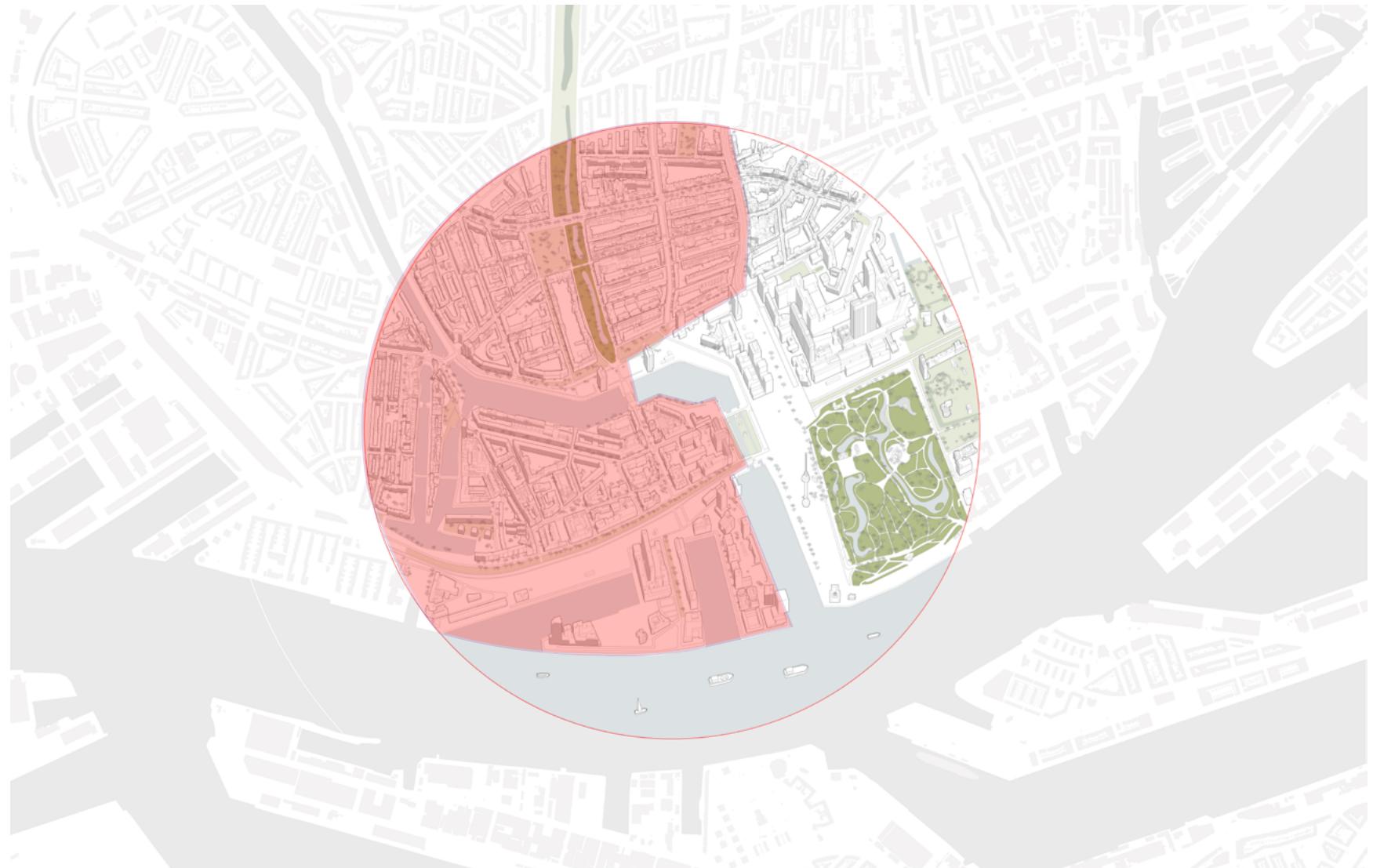
Western Archipelago



Site



Western Archipelago



Delfshaven

DELFSHAVEN

DELFSHAVEN



Historical Significance

One of the Places that escaped rotterdam
Bombings

Introduction

DELFSHAVEN



Historical Significance

Historical reflection of Past

DELFSHAVEN



Rotterdam na het bombardement van 14 mei 1940.

Historical Significance

Other parts of Rotterdam centrum were
damaged completely

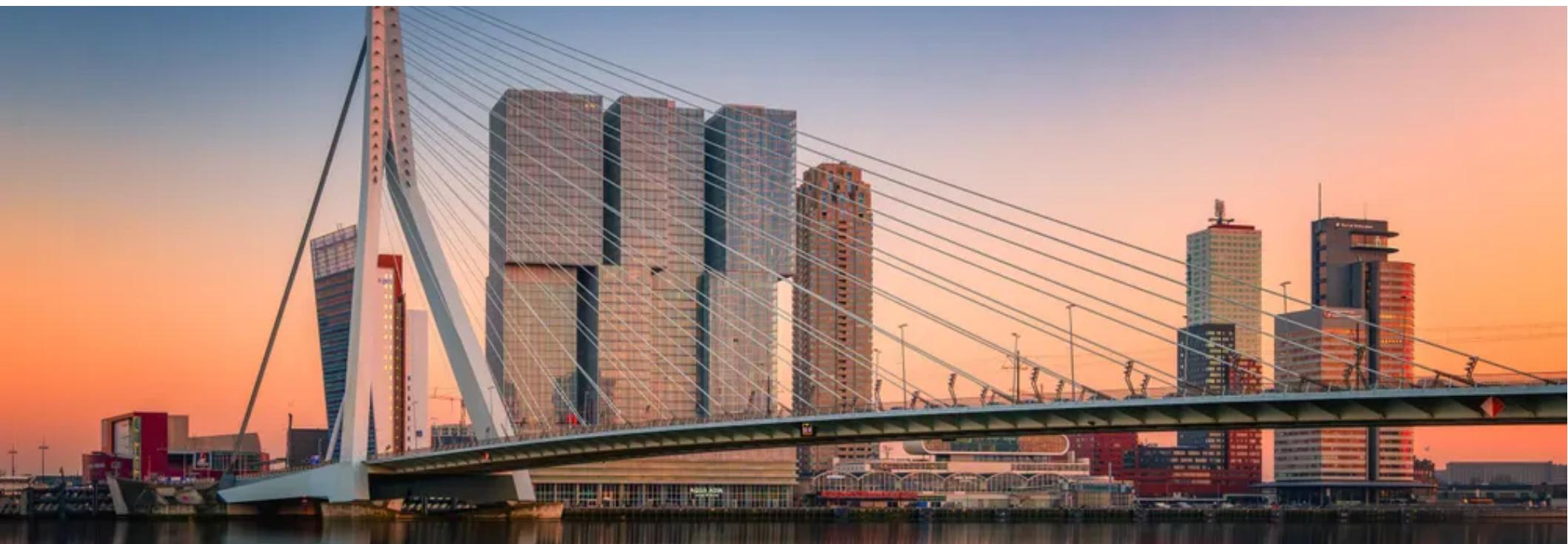
DELFSHAVEN



Historical Significance

Rotterdam showed resilience rebuilt itself completely with new bold and daring architecture

Initial Interest

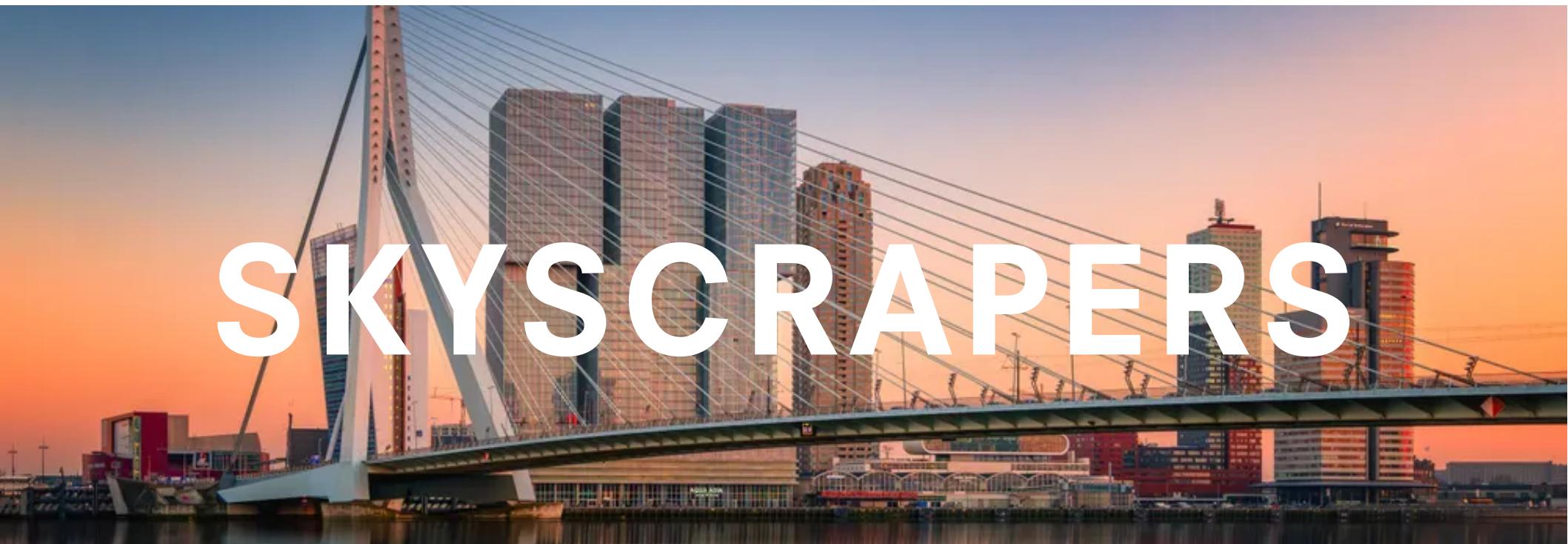


The Skyline

The predominant skyline of Rotterdam was the initial inspiration for the topic of migration

Initial Interest

SKYSCRAPERS



Migration of an Idea



Tracing Back to the inception

Migration of an Idea



**The Home insurance
Building (1885)**

The first Skyscrapers

People were fascinated by these 55m tall buildings and saw it as a status symbol.

Migration of an Idea



**The New York Times Building
(1889)**

Migration to New York

Fascinated by the idea of tall buildings of Chicago, New York started building this typology of buildings.

Migration of an Idea



Symbol of Representation

People and Cities associated themselves with these complex structures. There was a sense of belonging and pride.

Migration of an Idea



Development of Skylines

The rapid development of skyscrapers
gave rise to skylines

Migration of an Idea



Witte Huis (1897)

Earliest Migration of the skyscraper typology

Inspired by skyscrapers of America In 1897 the office building was developed by two Rotterdam brothers: Gerrit and Herman van der Schuijt.

Migration of Skyscraper



Global Phenomenon of Skyscrapers

Skyscrapers have migrated throughout the world and become a global phenomenon

Economic Influence

ECONOMIC INFLUENCE

PETRONAS TWIN TOWER

César Pelli

Used the tower to put the country on the global map. Economic Boom in Malaysia, The building created many employment opportunities and shifted the country from an oil based economy to a service and tech based Economy.



Petronas Twin towers, Malaysia (1993)

Urban Influence



Times square, New york

TIME SQUARE, NYC

Skyscrapers have enormous social influence, can be seen the way the towers interact with people through means of billboards

Social Influence



Small Plots



Tokyo Skyline

NESCESSITY

Total area of Japan is 377,780 km².
Only 4% is occupied

City Vision 2030

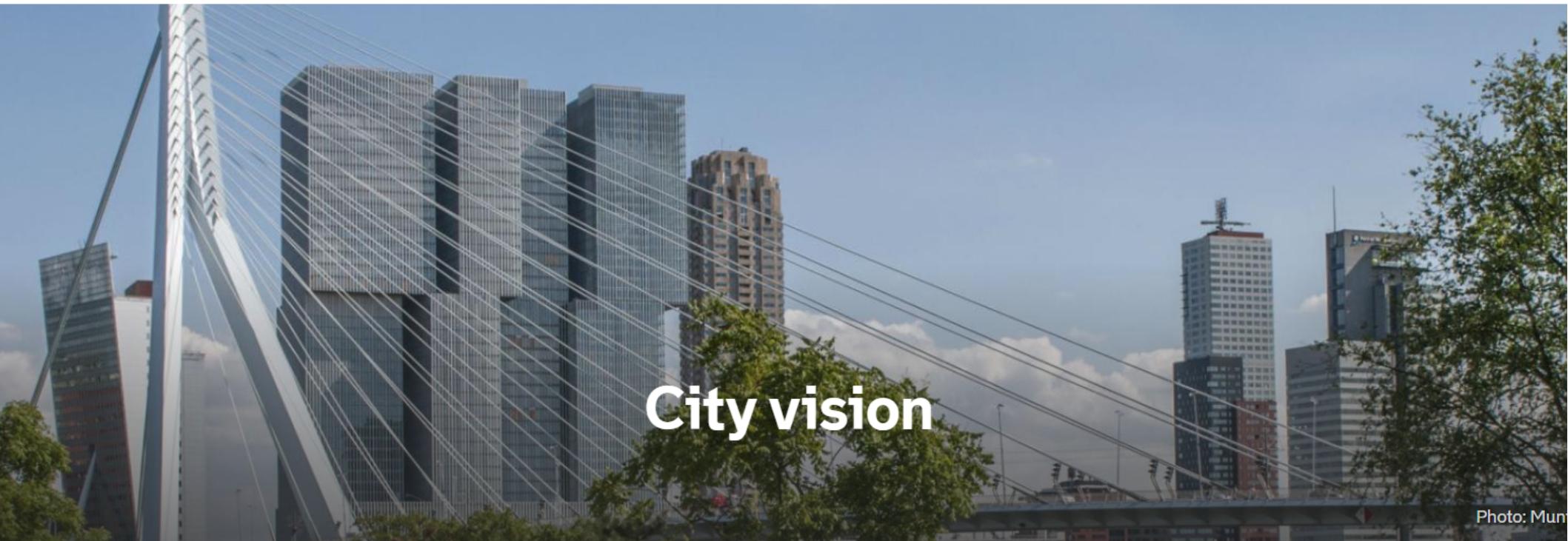


Photo: Mun

**Build a strong economy and
an attractive residential city**

City Vision 2030



Addtion of 56,000 houses in
rotterdam



Restructuring existing housing
stocks in weaker neighborhood



Accommodate international
Businesses



Increase visitors and
encourage longer stay

Ambitions

City Vision 2030



Compaction strategy

Reduction of urban sprawl as more infrastructure is focused in one building

Western Archipelago



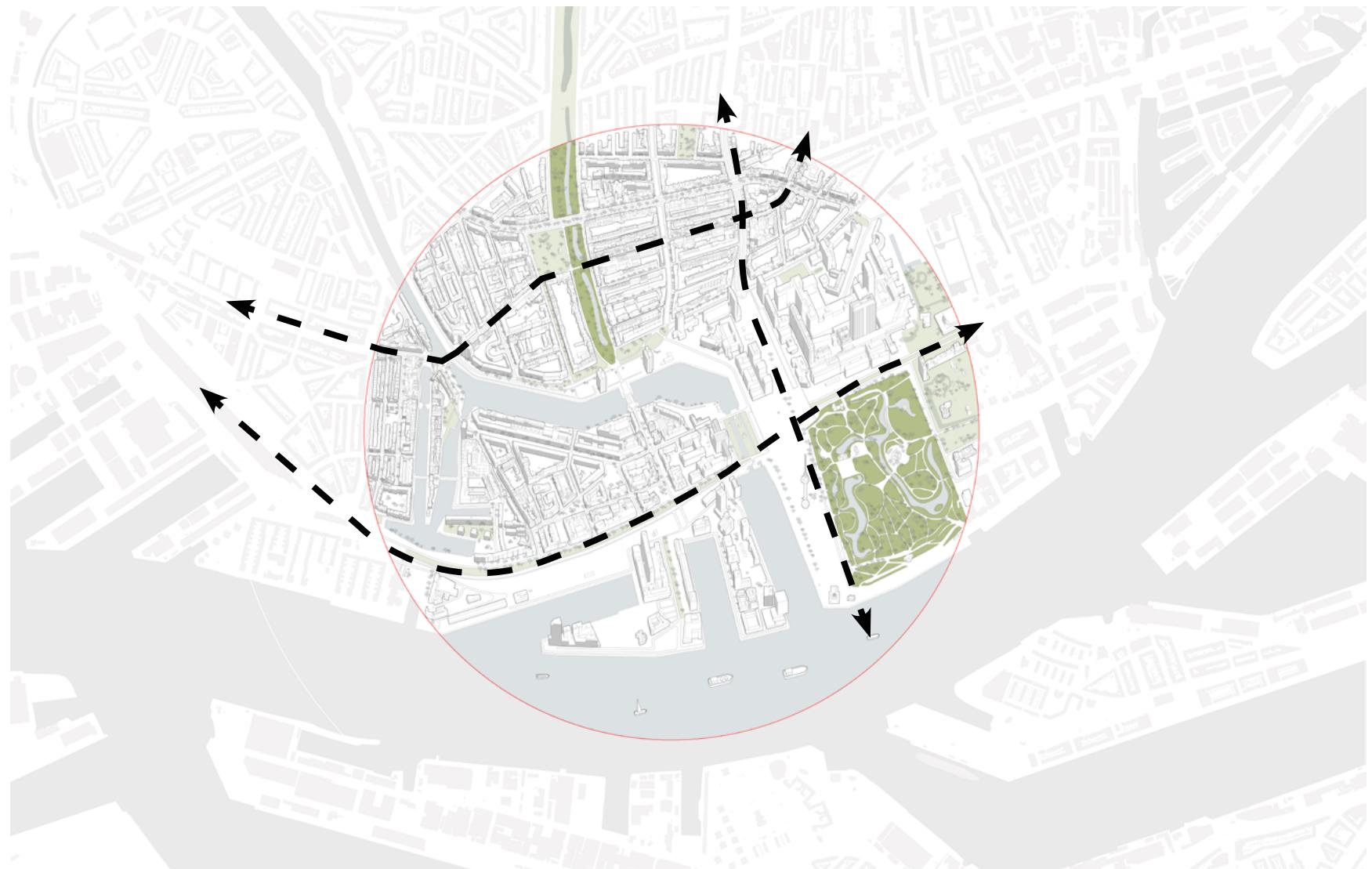
SITE RELEVANCE

Western Archipelago



SITE RELEVANCE

Western Archipelago



Currently a passover location

Western Archipelago



Growing demand for housing



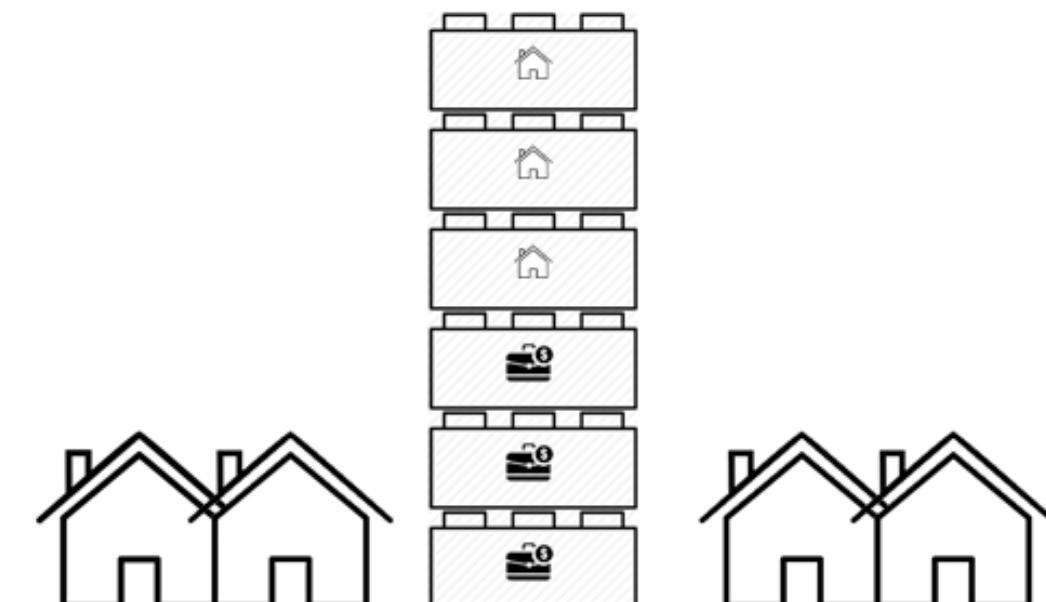
6 % Vacant land for
construction



Need for new business
opportunities

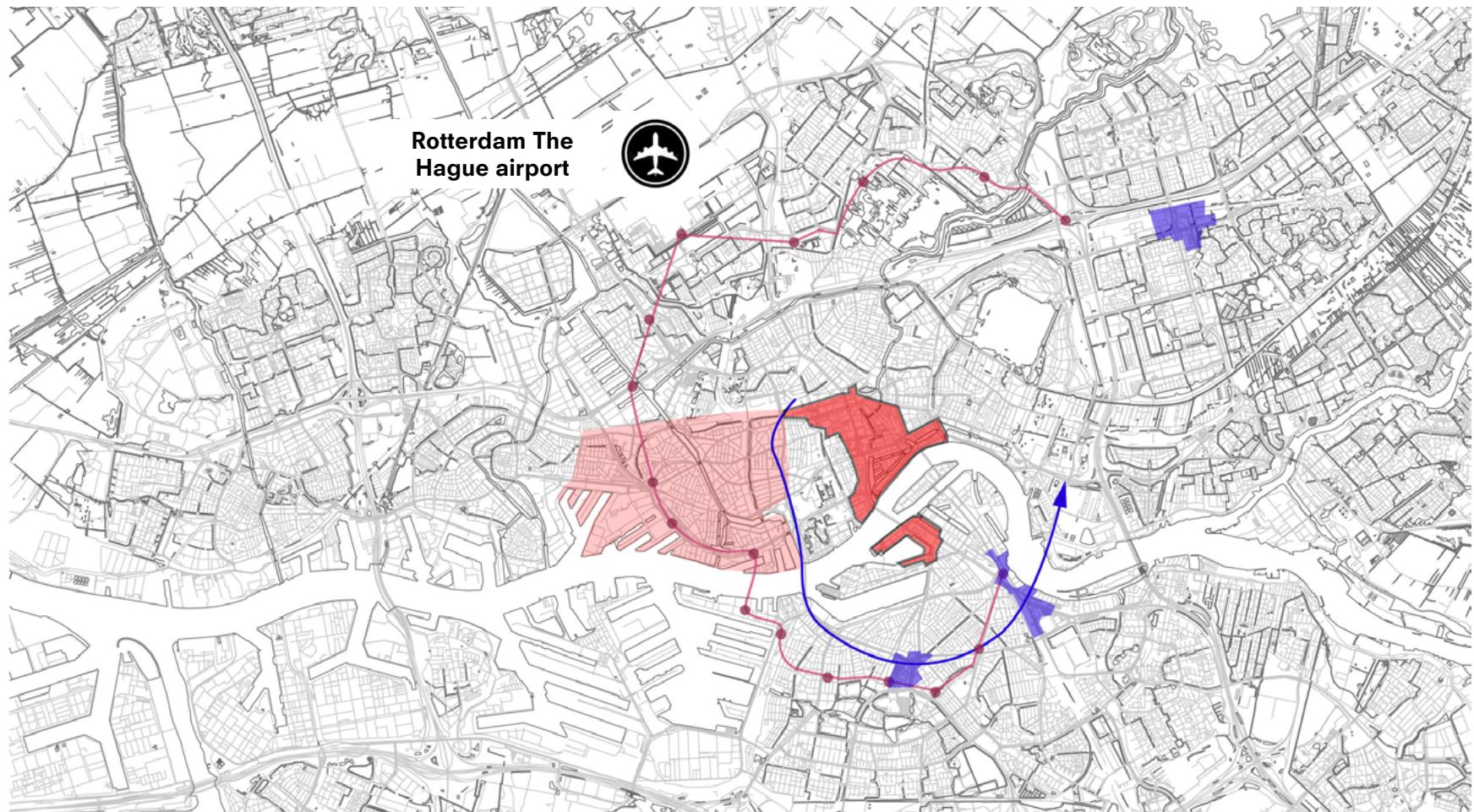
City vision 2030

Western Archipelago



Going Vertical

Western Archipelago



Proposed new extension

Delfshaven becomes a potential extension to the highrise vision

Western Archipelago



Sveral strategies proposed to develop the site.

Western Archipelago



Growing demand for housing



Need for new business
opportunities

City vision 2030

Introduction

Western Archipelago



THE TWIST

Introduction

Research

Design Brief

Project Concept

Implementation

Development

Conclusion

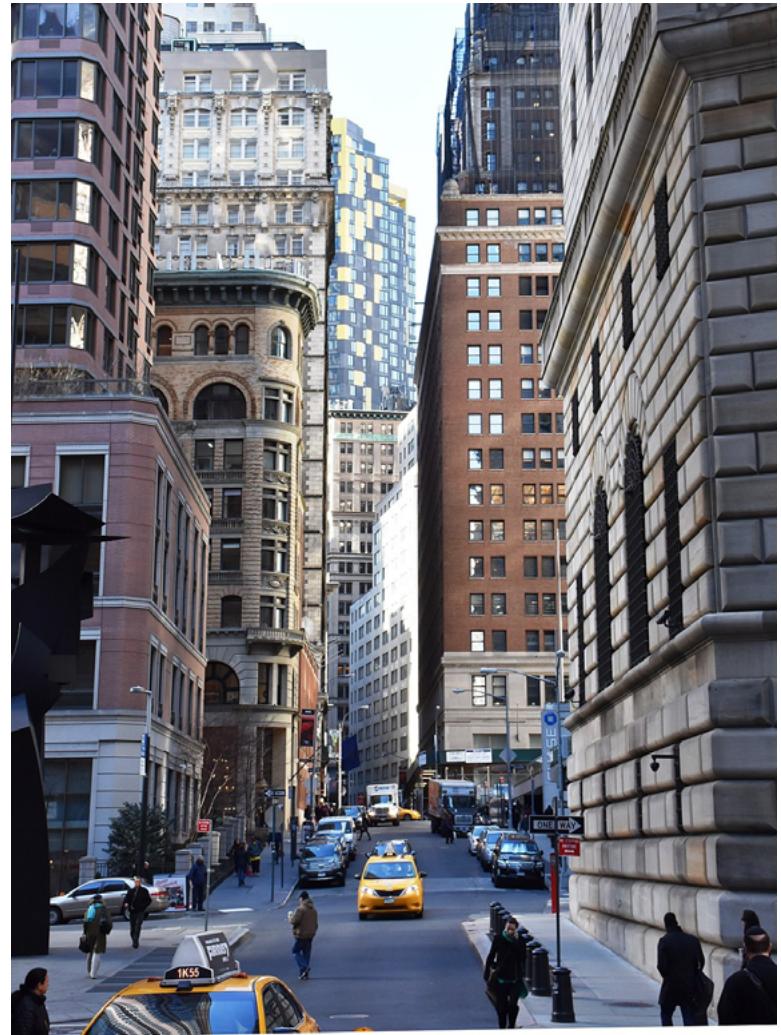
INDEX

MIGRATION OF A FLAW

Migration of a Flaw



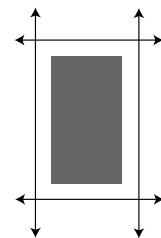
Chicago



New York

Improper Ground plane

Migration of a Flaw

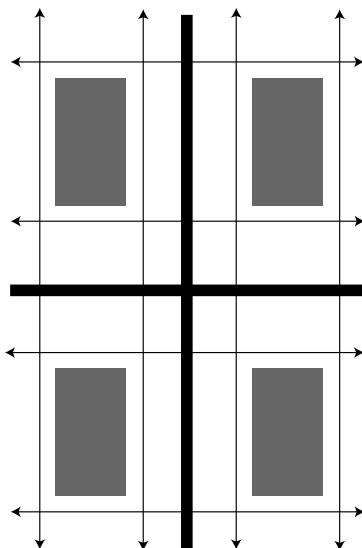


S

Restricts Mobility

Restricts mobility and creates bad quality urban spaces that does not promote human interaction on the street level

Migration of a Flaw

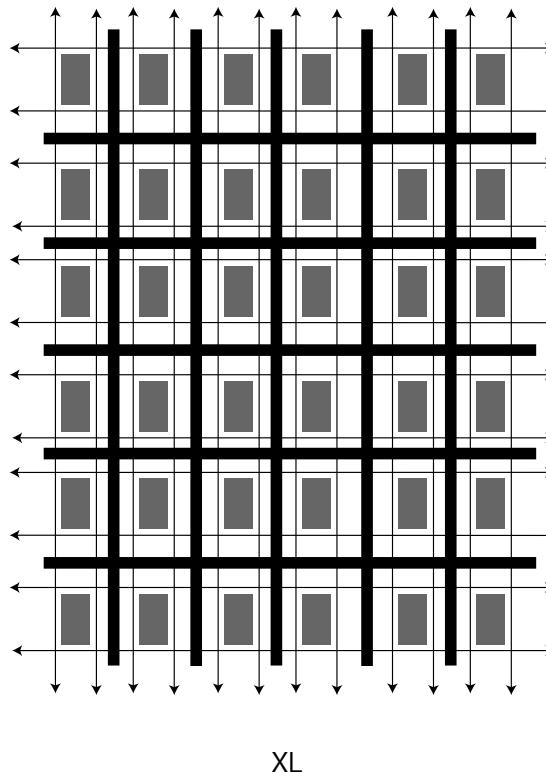


L

Restricts Mobility

Restricts mobility and creates bad quality urban spaces that does not promote human interaction on the street level

Migration of a Flaw



Restricts Mobility

Restricts mobility and creates bad quality urban spaces that does not promote human interaction on the street level

Migration of a Flaw



De Rotterdam



Blaak Office Tower (Five55)

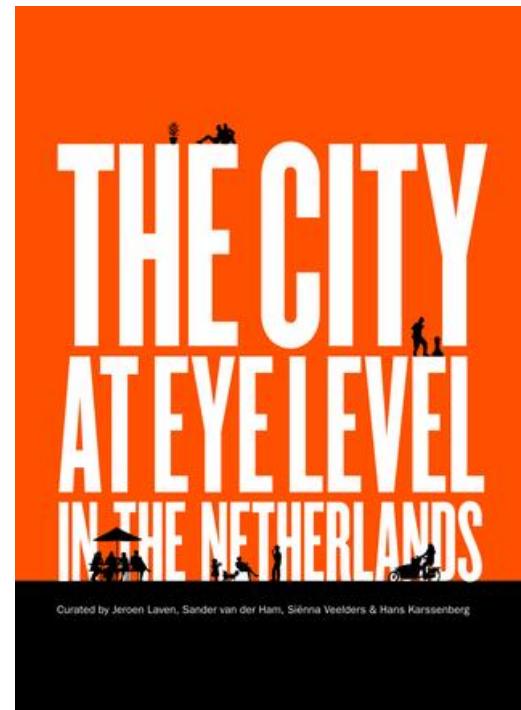
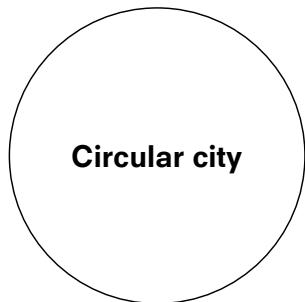


WTC, Rotterdam

Rotterdam's Context

This persistent issue can be seen in the towers of Rotterdam as well where the tower stands isolated

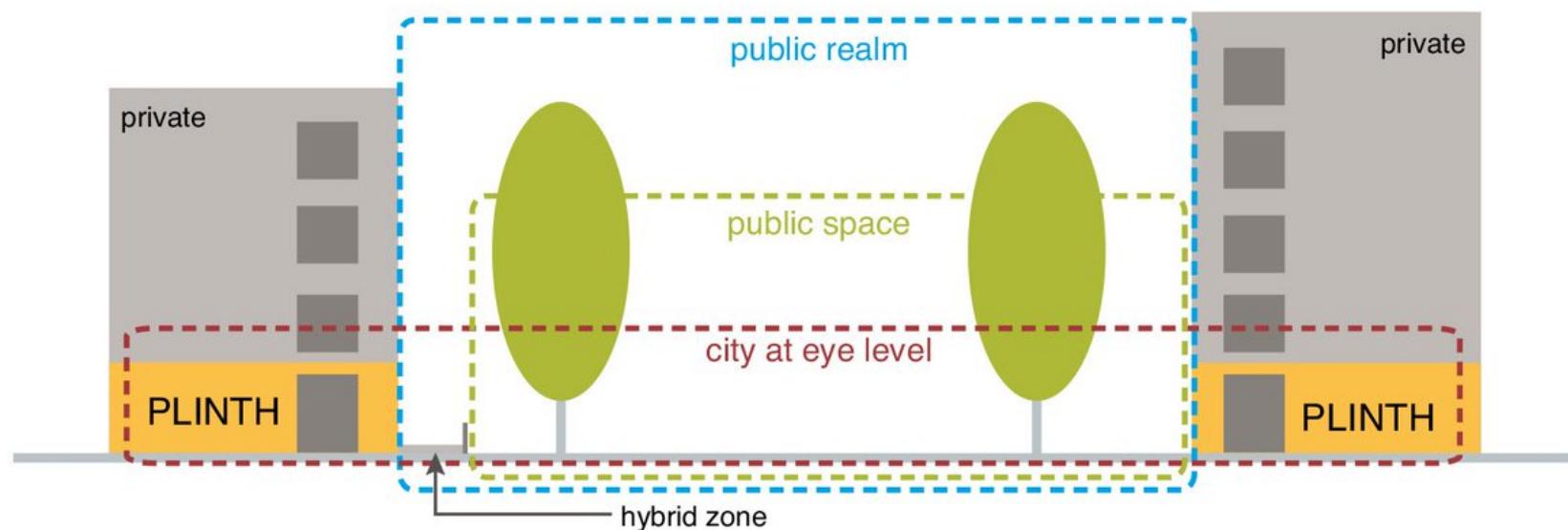
High rise vision 2019



Plinth Strategy

Placemaking

High rise vision 2019



Plinth Strategy

Prioritizing the Pedestrians providing access to the plinth create a urban connection through placemaking

PLACEMAKING WITH TALL BUILDINGS (2013)

BY KHIER AL-KODMANY

How can you achieve efficient urban implementation using placemaking ?

Placemaking with tall buildings

CONTEXTUAL SPECIFICITY

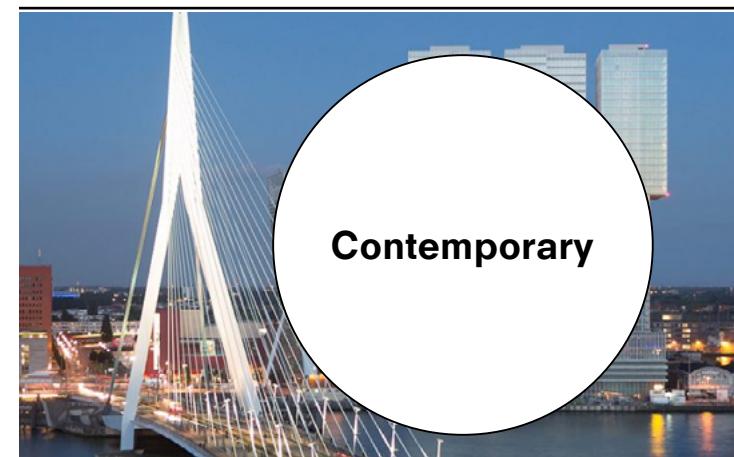
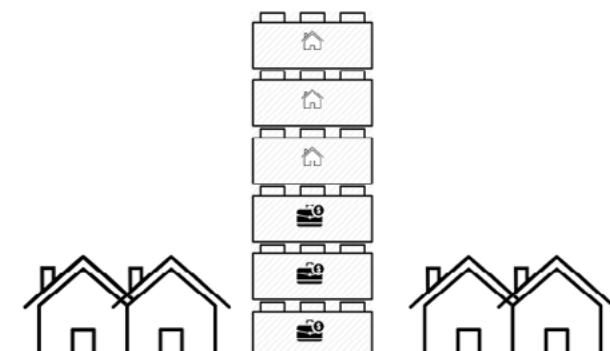
There is no definite way to achieve
efficient urban implementation, answer
lies in the context and surroundings

Western Archipelago



The proposed tower sits at the border of
the heritage district

Polarity



Consideration of Heritage Fabric

How can you execute a skyscraper in this context and relate on the urbanscale ?

Research Question

“HOW CAN THE URBAN IMPLEMENTATION OF THE SKYSCRAPER CREATE A CONNECTION BETWEEN THE PEOPLE OF DELFSHAVEN AND THE BUILDING ITSELF AND CATER TO ITS INHABITANTS AT THE SAME TIME?“.

Introduction

Research

Design Brief

Project Concept

Implementation

Development

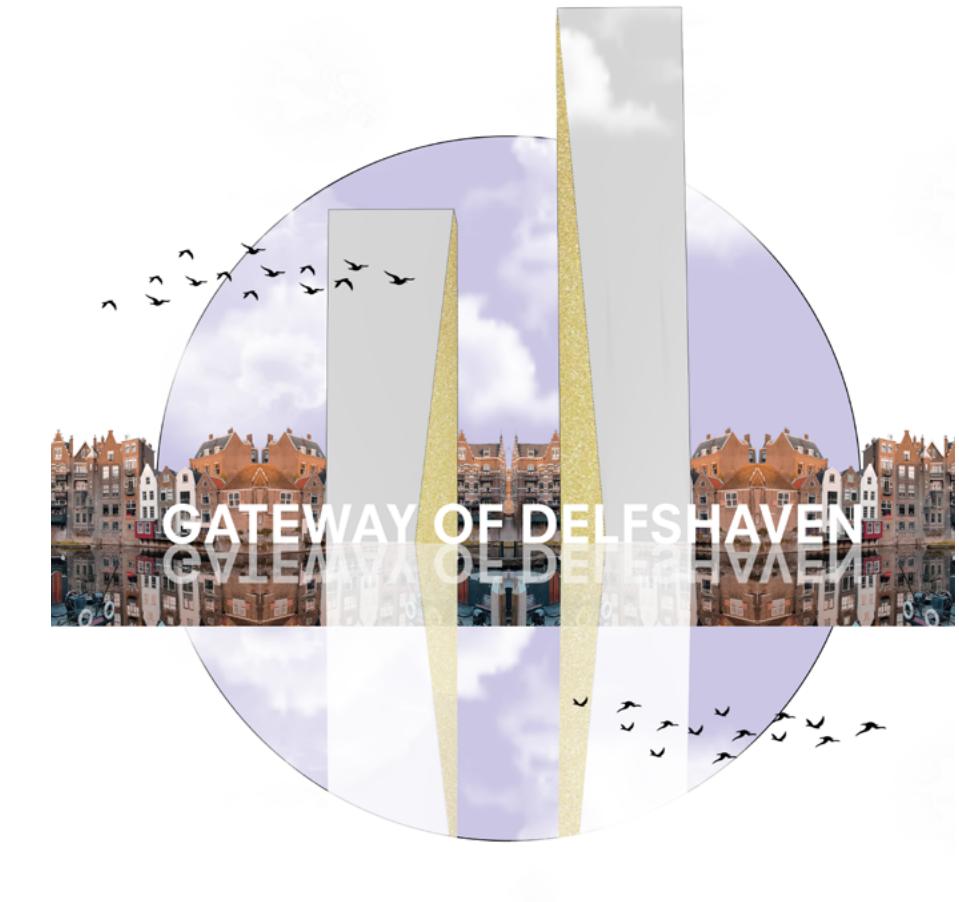
Conclusion

INDEX

Initial Ambitions



Accommodate densification with
respect to ciy vision 2030



To bring emphasis to Delfshaven
with an iconic structure

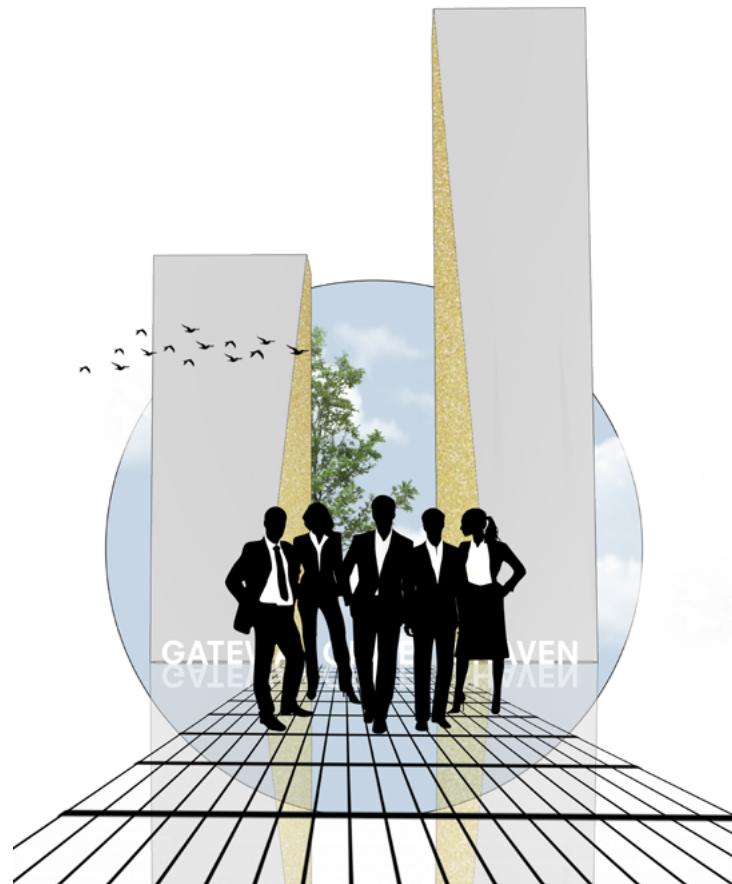
Development Type



Mixed Use Skyscraper

The tower hosts a hotel, residence and offices
with respect to the city vision 2030

Program Ambitions



Create business and
employment opportunities



Provide Housing

Program Ambitions



Accommodate tourism

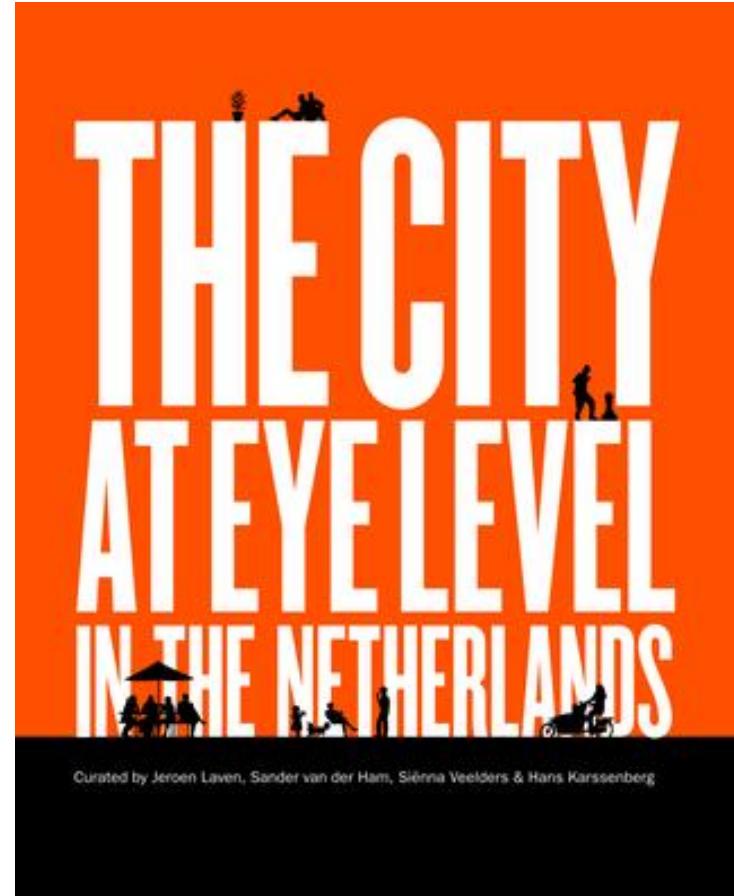


Integrate Commercial & Social spaces for interaction

Urban Ambition

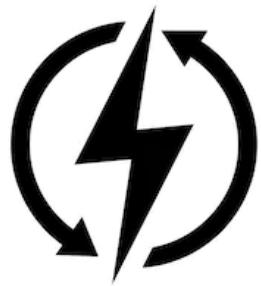


Sense of belonging



Activate Life at street level

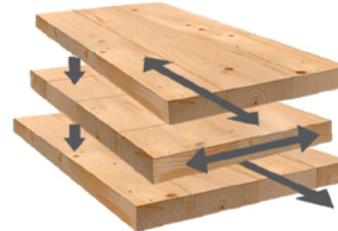
Ambitions



Utilize site potentials for
renewable energy



Low Carbon footprint



Hybrid timber construction

Building Ambitions

In Accordance with the high rise vision of
rotterdam

Clients

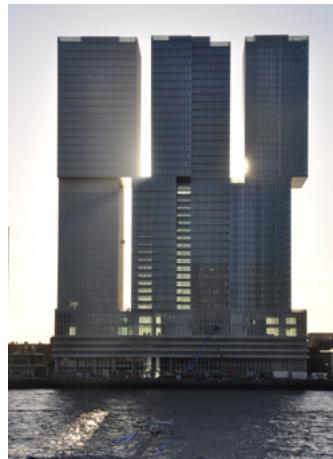


Edge Technologies

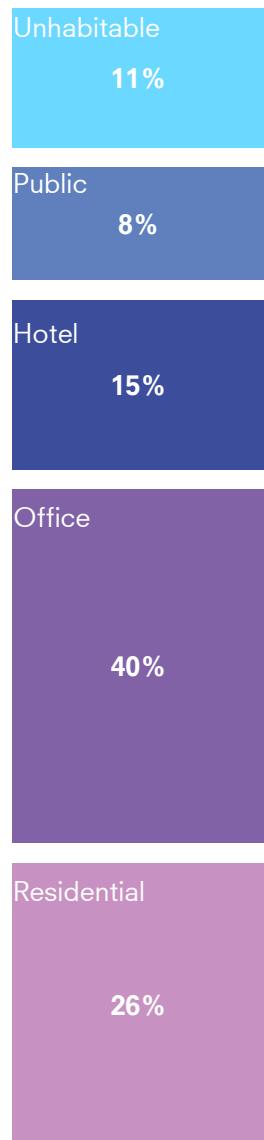
Gemeente Rotterdam

To serve as a bench mark for the high-rise vision

Precedent Analysis



Program



**Average program
distribution of mixed use
skscarpers**

Program



**Average program
distribution of mixed use
sksycarpers**



**Calibrated according to
Netherlands and the city
vision 2030**

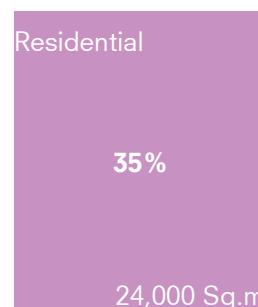
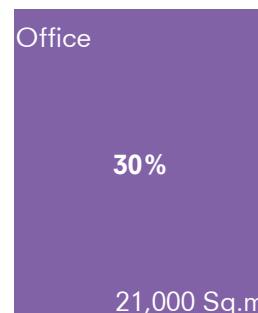
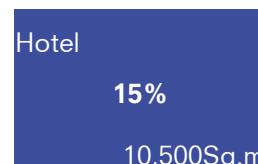
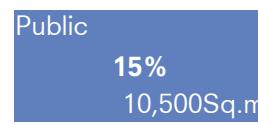
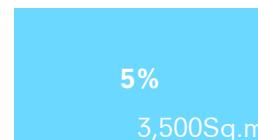
Program



Average program distribution of mixed use
skyscarpers



**Calibrated according to
Netherlands and the city
vision 2030**



Parking
Service floors

Restaurants
Observation deck
Retails
Plaza

Guest Rooms
Hotel Lobby and Amenities
Back of the House - 3000 m²

Recreational Spaces
Meeting spaces
Workspaces
Reception/Lobby

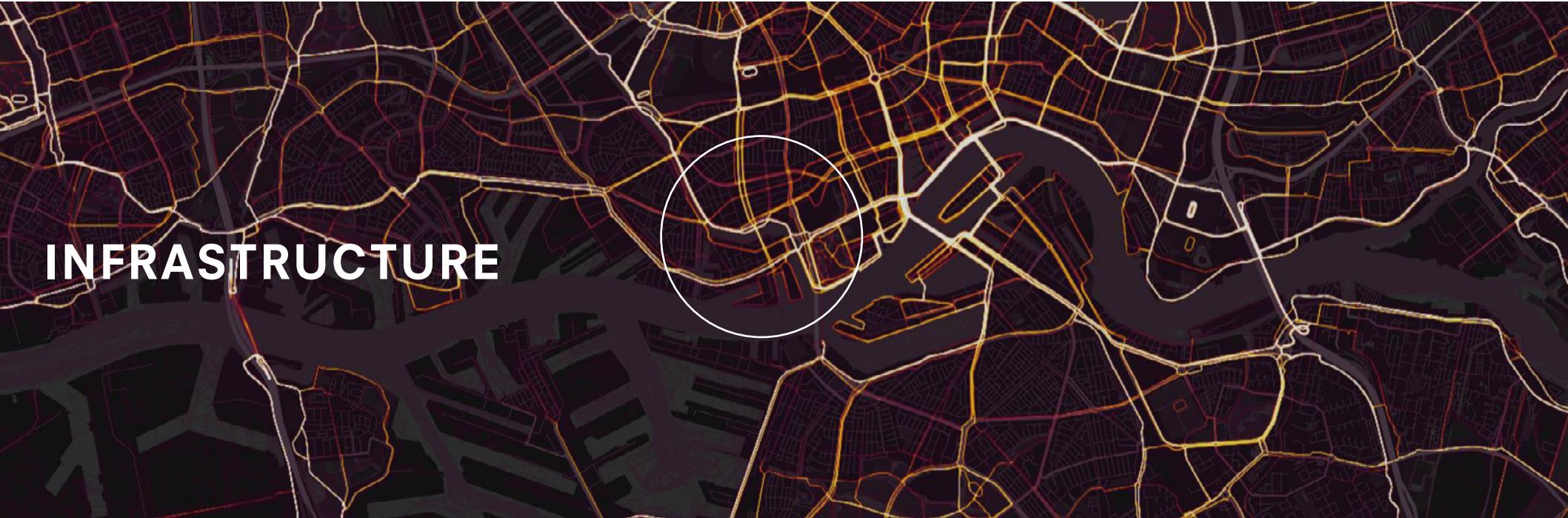
Residences 60 Sq.m to 200 Sq.m
Amenities
Residential Lounge
Reception/Lobby

Site Selection



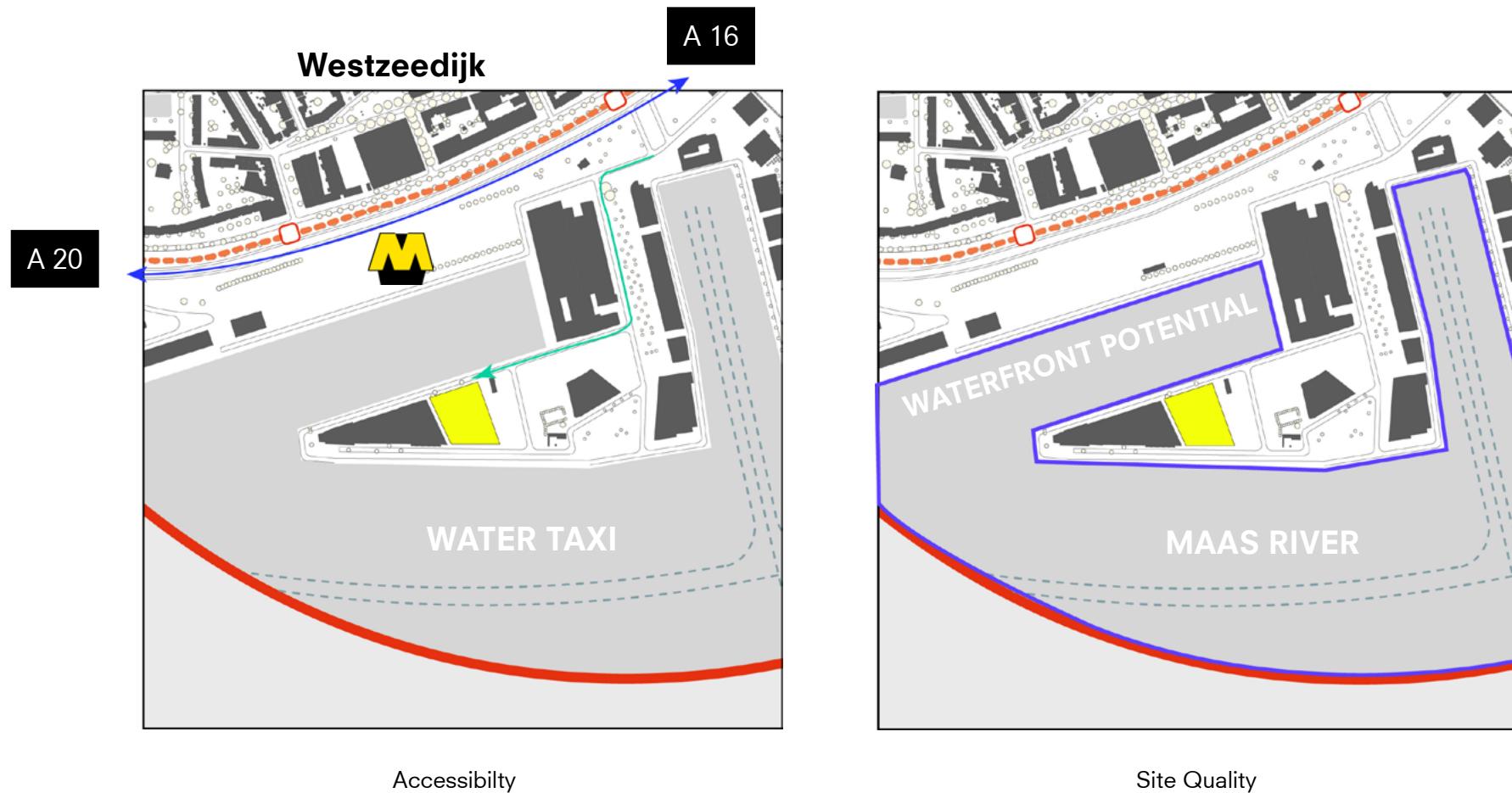
Ideal location for the skyscraper

Site Selection



INFRASTRUCTURE

Site Selection



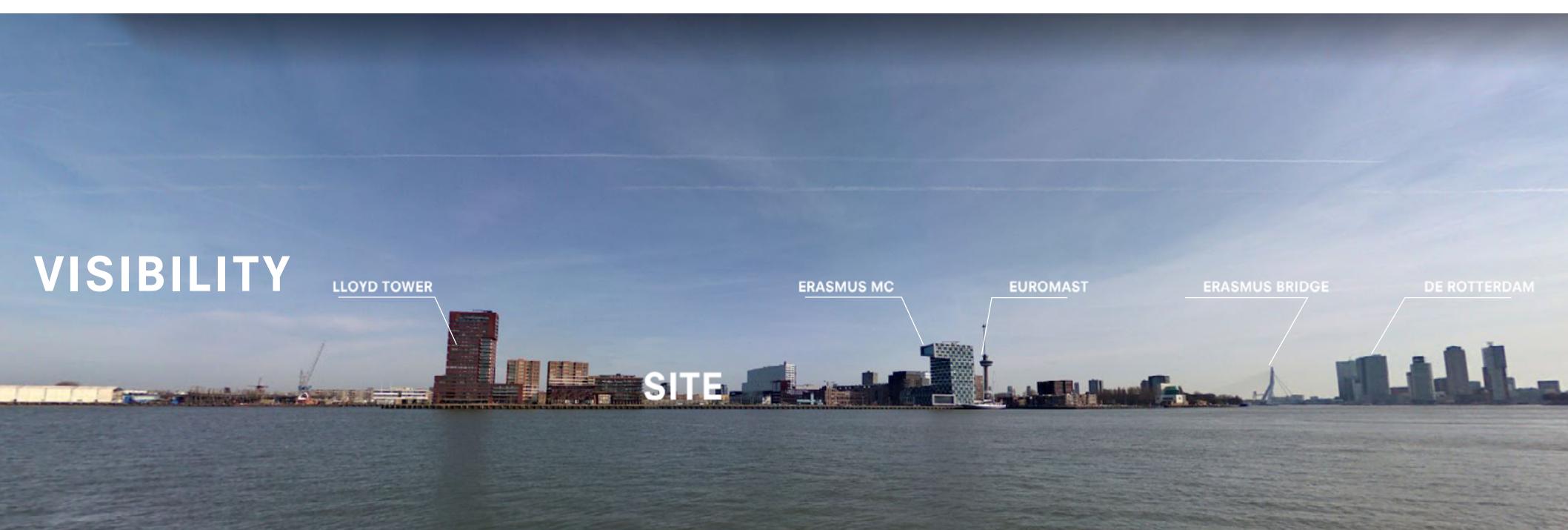
- Primary Road
- Secondary Road

Movement of Traffic

The site is in close proximity to the frequently used roads of Westzeedijk

Site Selection

VISIBILITY



Visibility

Site provides visibility from either sides of the river Maas

Introduction

Research

Design Brief

Project Concept

Implementation

Development

Conclusion

INDEX

Concept

Contextuality

CONTEXTUALITY

Key factor for development of concept

Concept

Contextual specificity



NETHERLANDS

Outdoor based Interactions

Every space is tailored to promote social interactions and is pedestrian friendly

Contextual specificity



Normal day



Market day



Christmas

Flexible outdoor spaces

Concept

Contextual specificity



Hybrid Spaces

Outdoor Cafe's and
restaurants

Contextual specificity



Narrow streets of Netherlands



Facade types

Character of Netherlands

Heritage Fabric

WHAT WOULD CONTEXTUALITY MEAN TO DIFFERENT USER GROUPS ?

Heritage Fabric



Local Experience



Relevance

For tourists and hotel guests this would mean the local experience, while for the residents and the workers this would be relevance to contemporary

Heritage Fabric



Buildings found in delfshaven

Has the heritage contextual exterior while on the inside it has a contemporary interior

Concept

Heritage Fabric



Polarity

Use polarity to transition between heritage and contemporary and also to stand as icon that represents delfshaven

Key factors

Heritage Fabric of the city

Urban Street life Connection

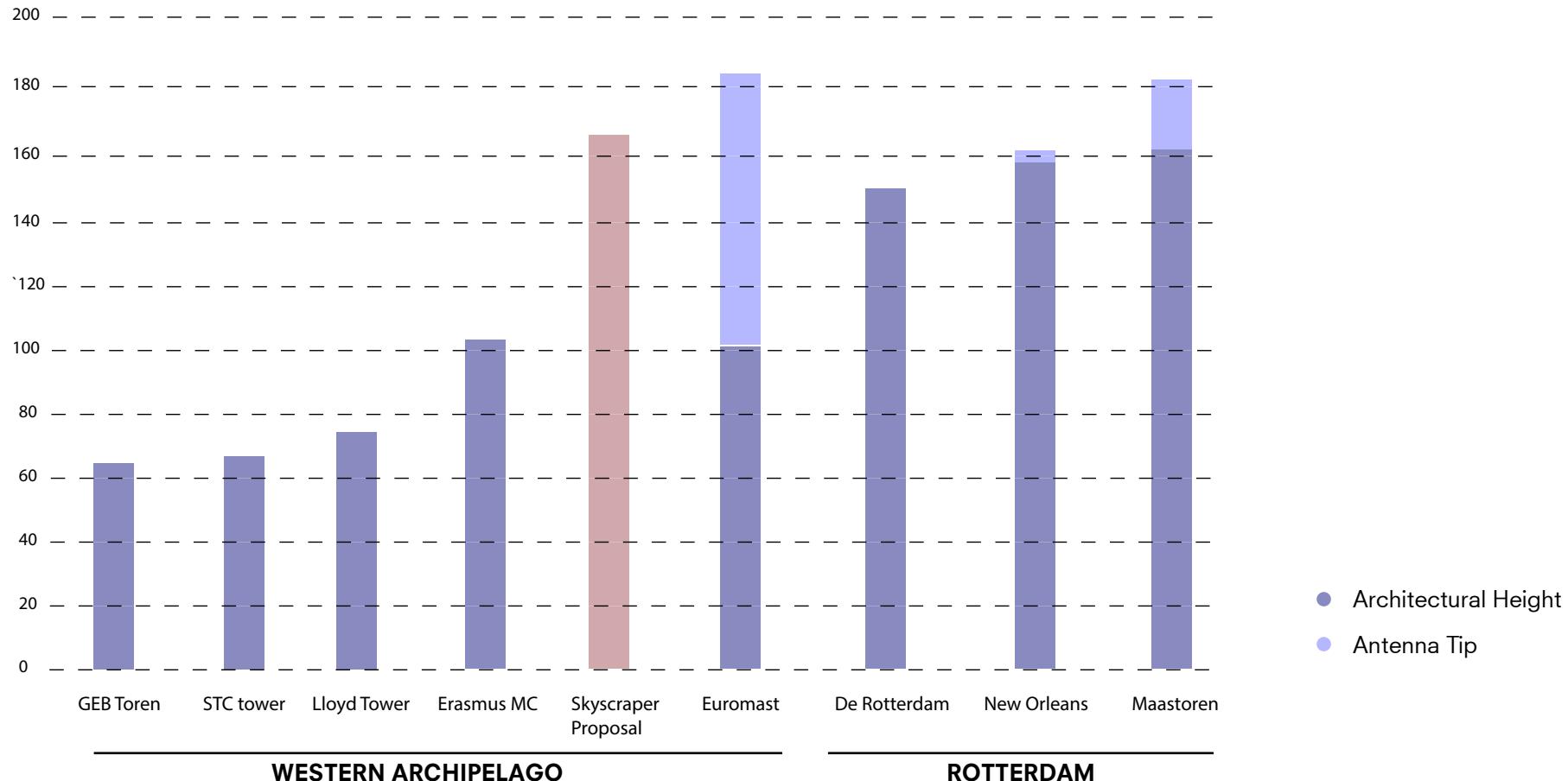
Relation to Human scale

Sense of belonging

Urban implementation in Delfshaven

For successful urban implementation of the skyscraper, placemaking has to happen with respect to delfshaven

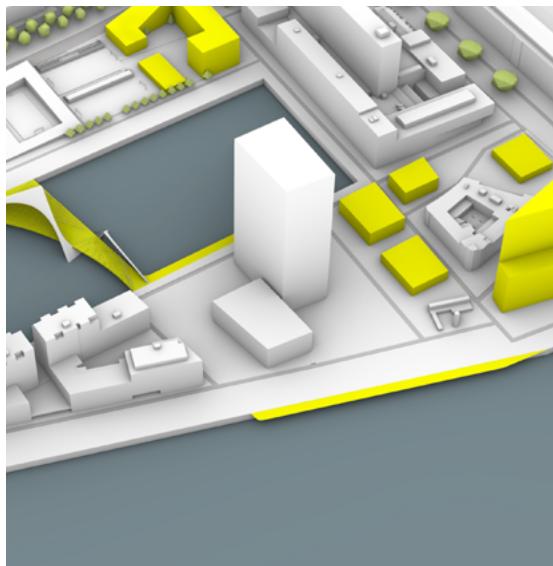
Heritage Fabric



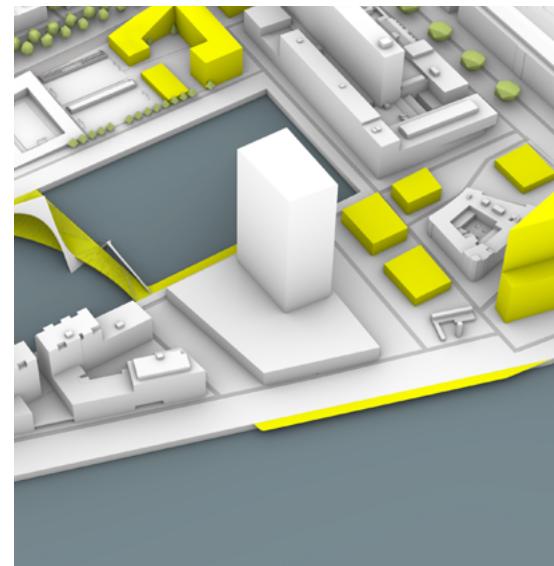
**Height restriction with
respect to Euromast**

Concept

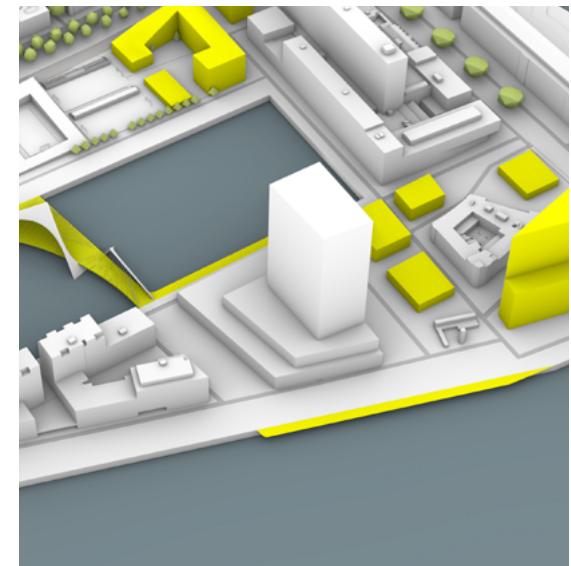
Massing Studies



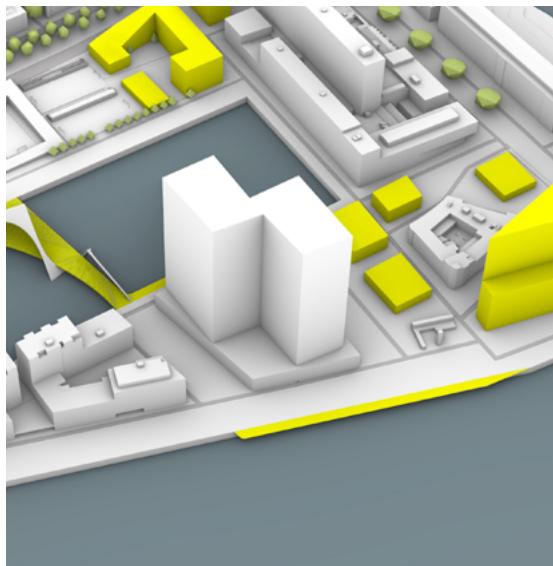
Two block



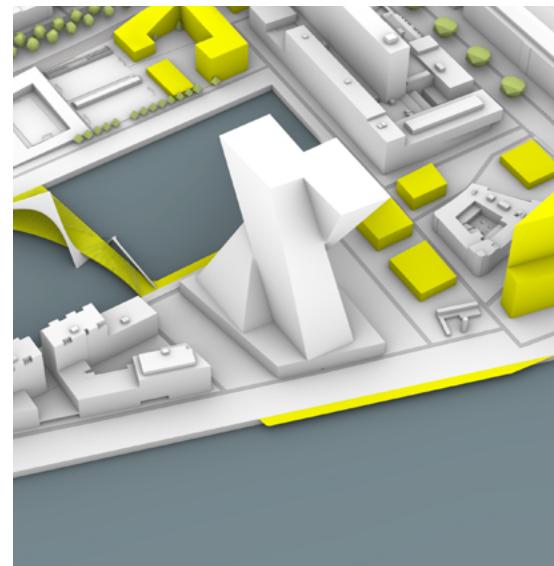
Podium



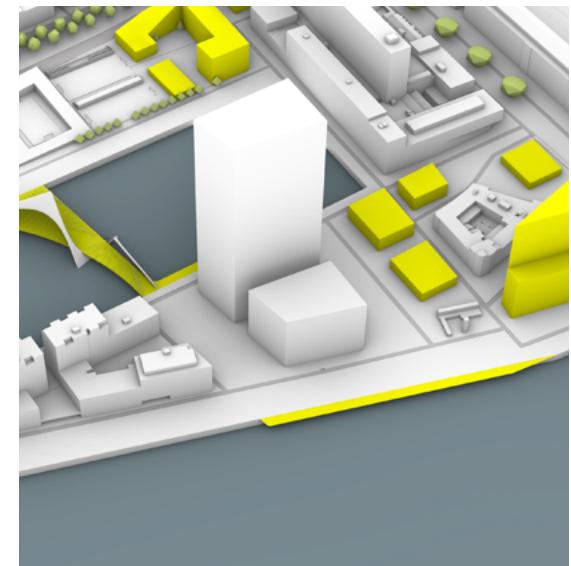
Stepped



Twin tower



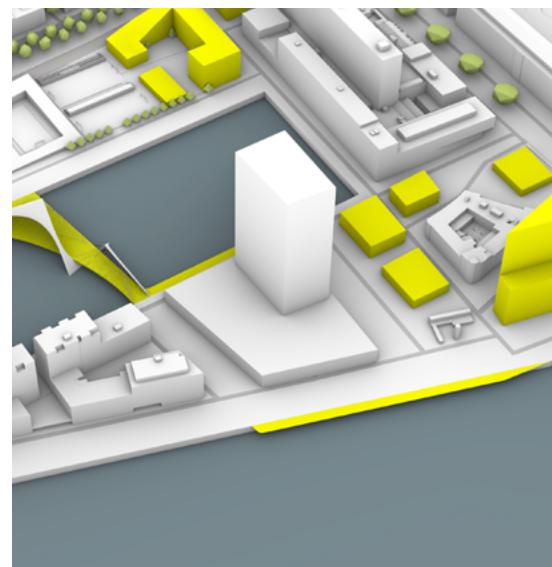
Iconic



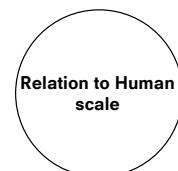
Two tower

Concept

Massing Studies

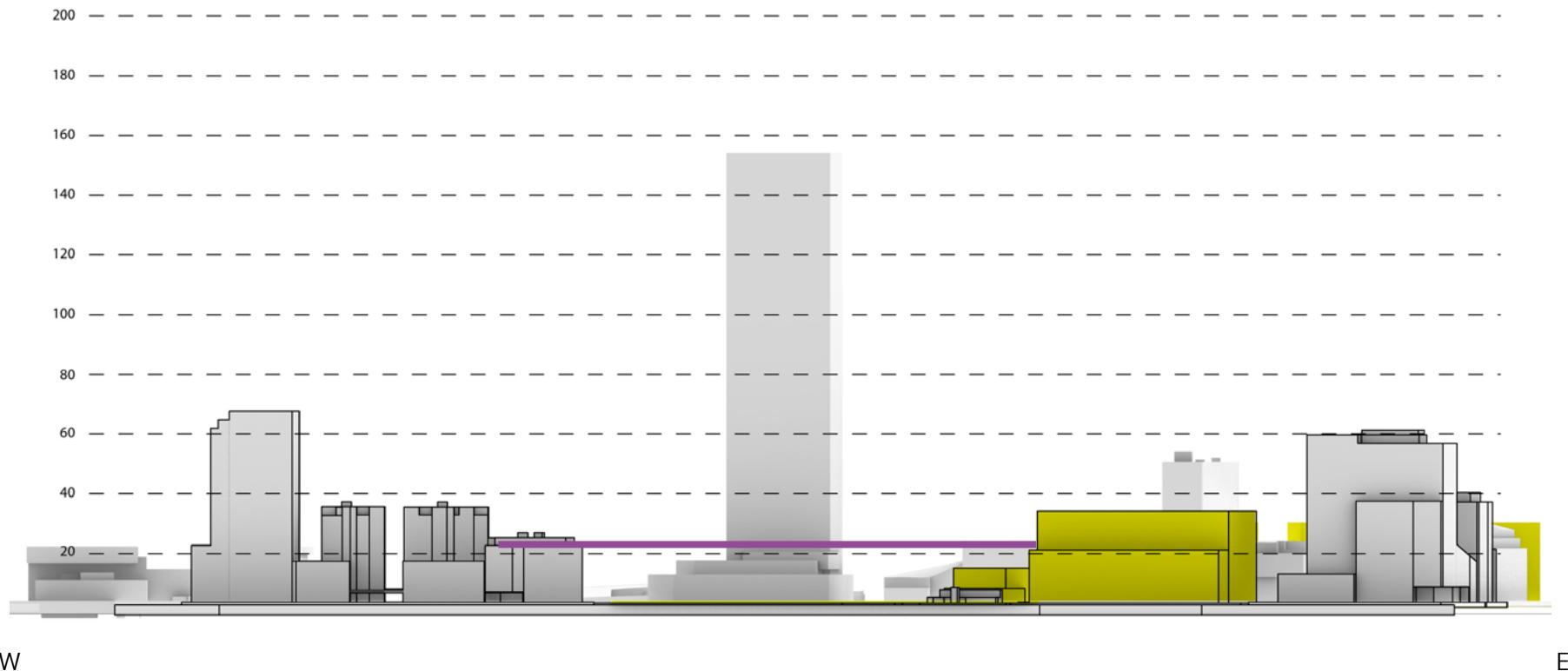


Podium



Concept

Massing Studies



Site Elevation

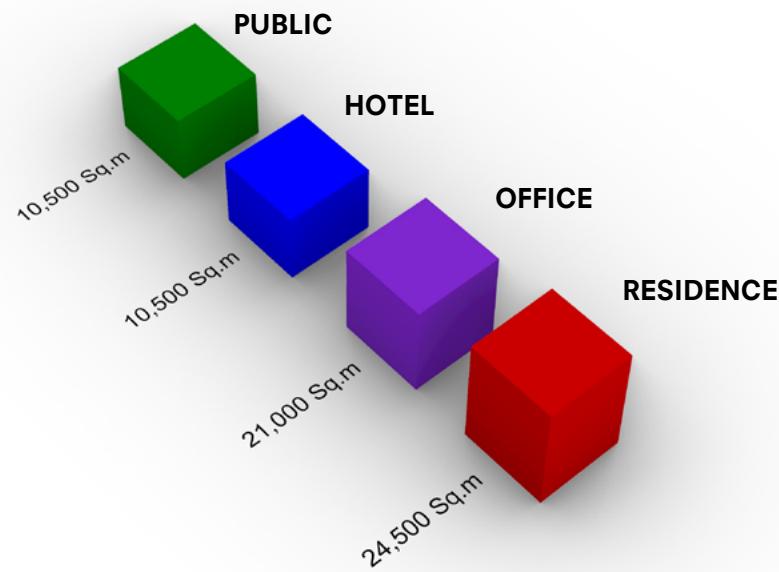
Heritage Fabric of
the city

Urban Street life
connection

**Relation to Human
scale**

Sense of
belonging

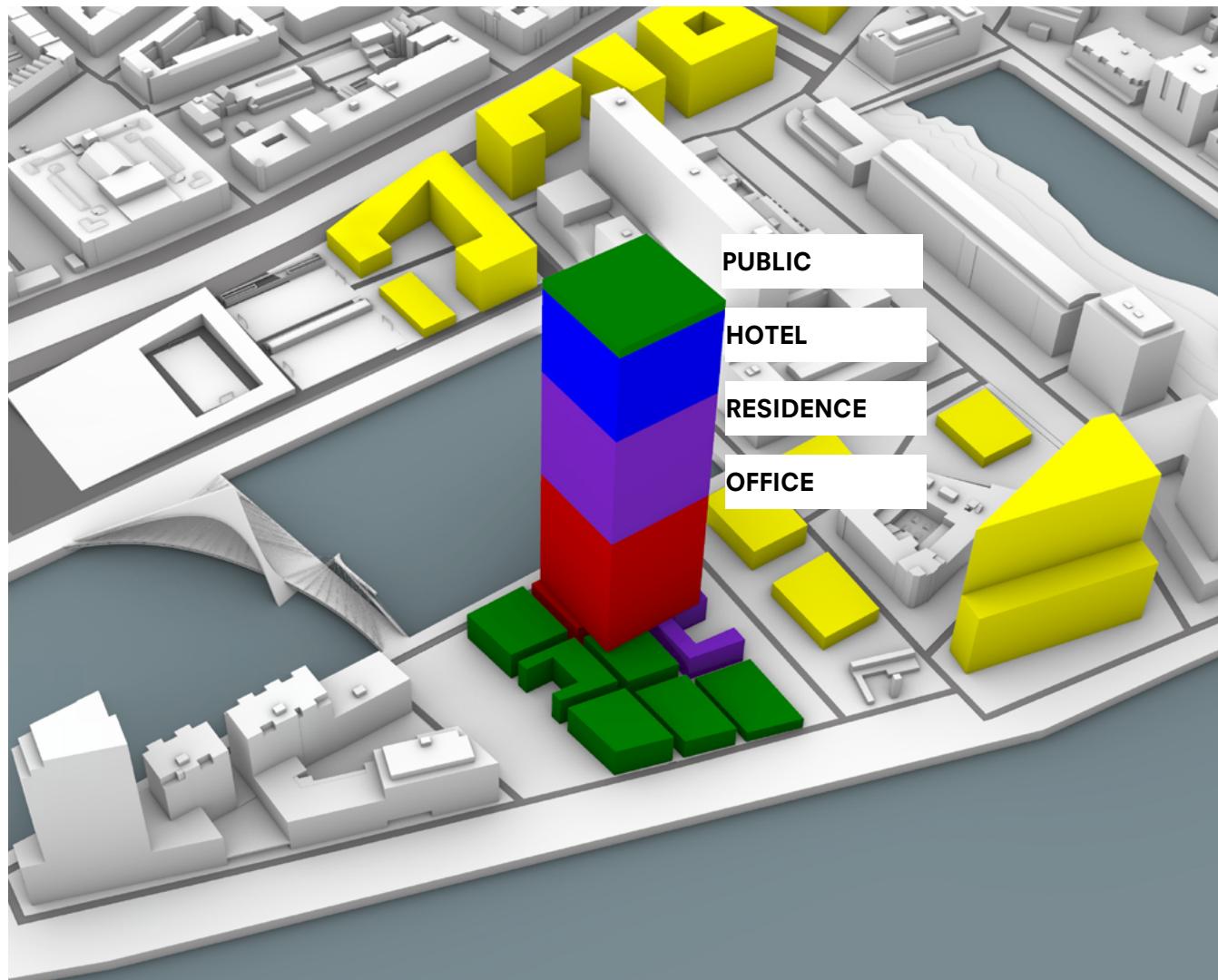
Program Studies



Site Elevation

Concept

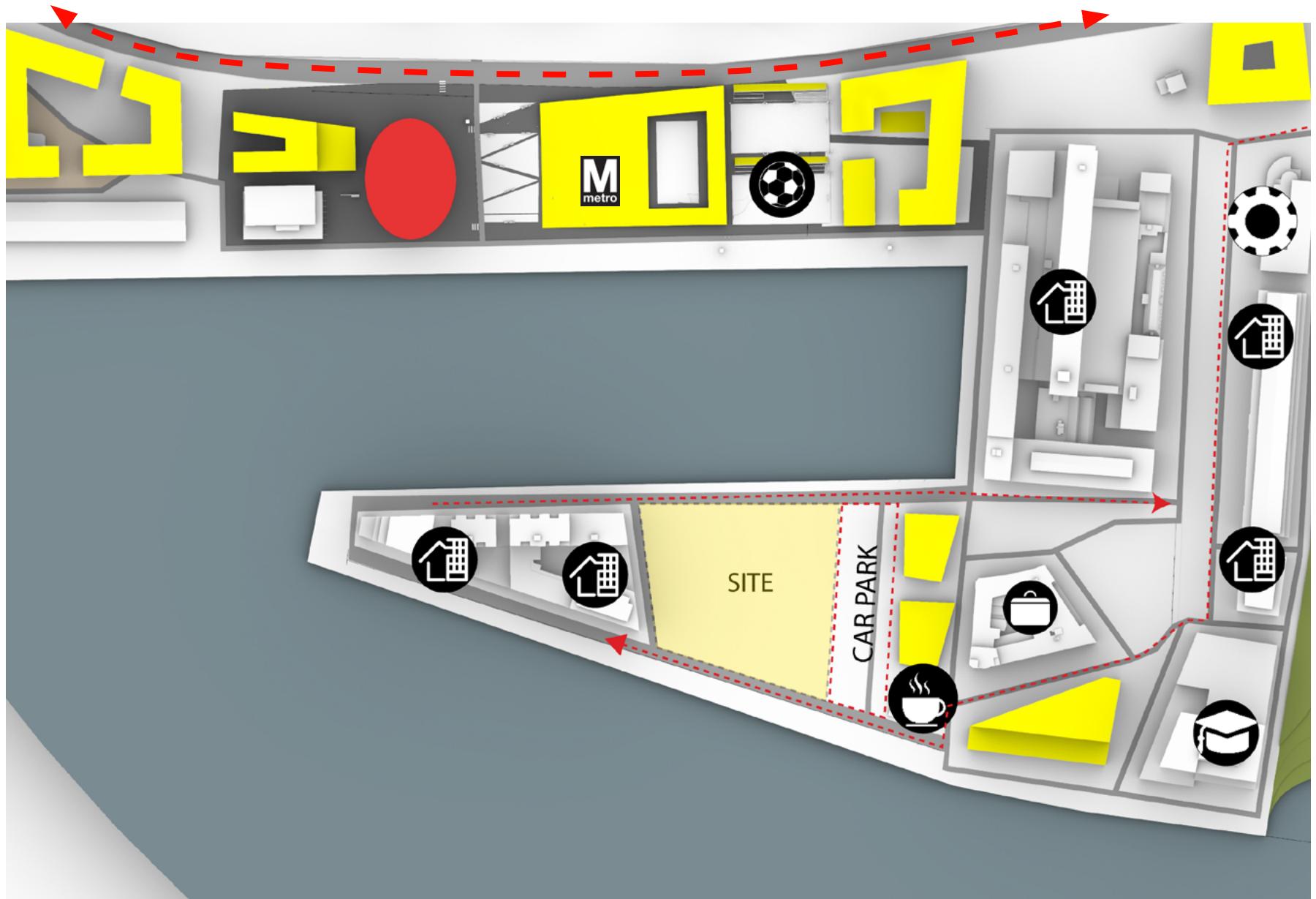
Massing Studies



Site Elevation

Concept

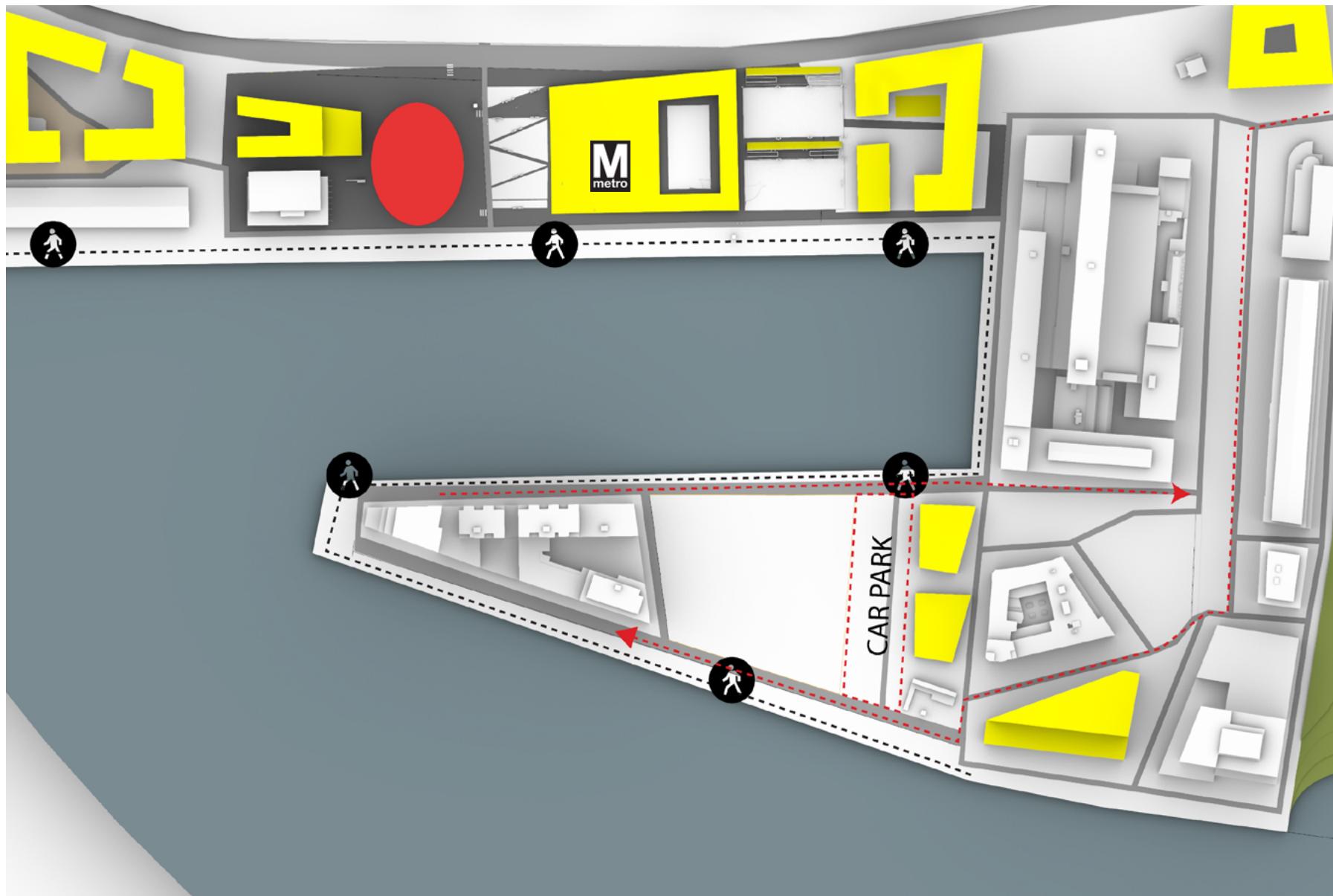
Site Development



Car traffic

Concept

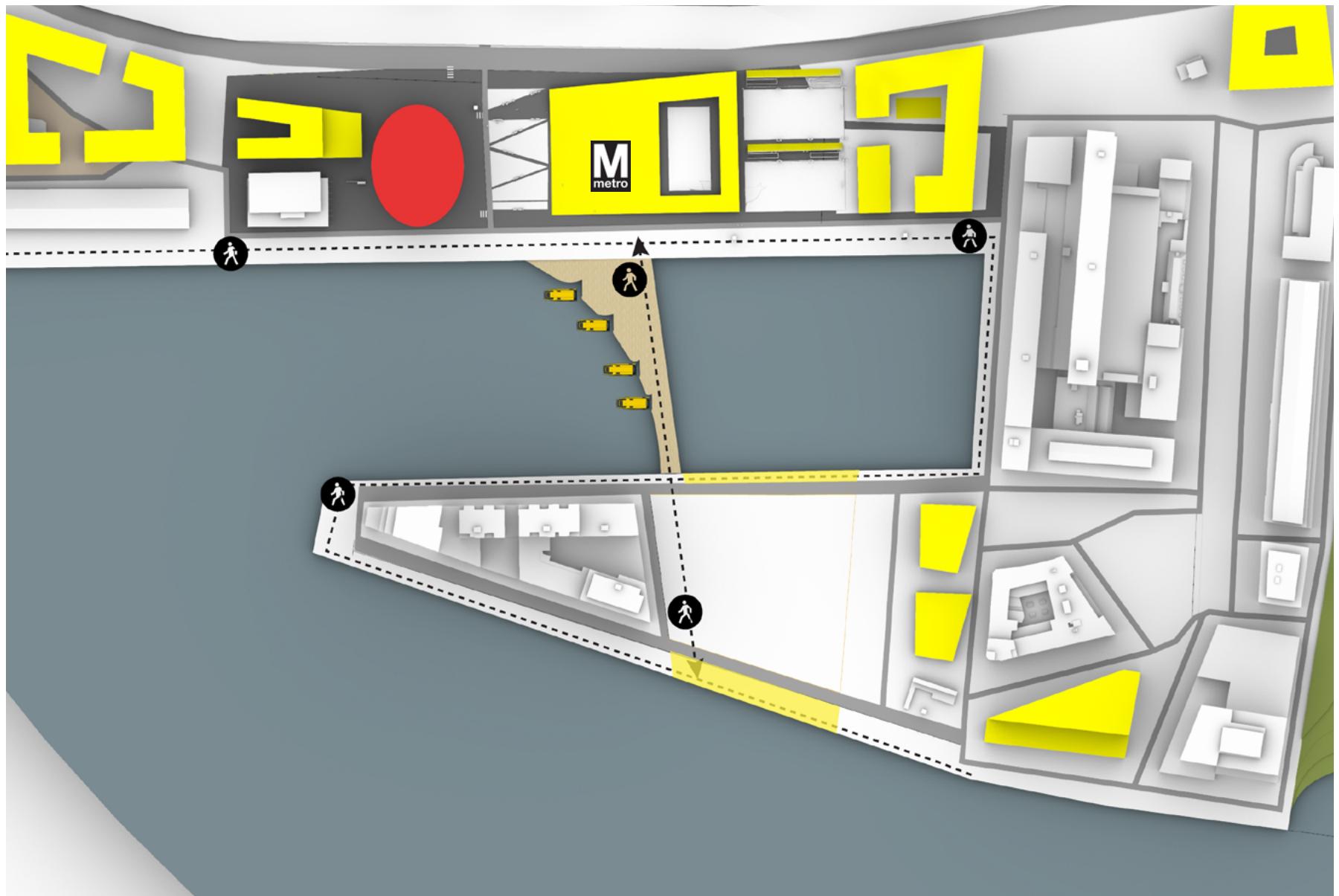
Site Development



Pedestrian Flow

Concept

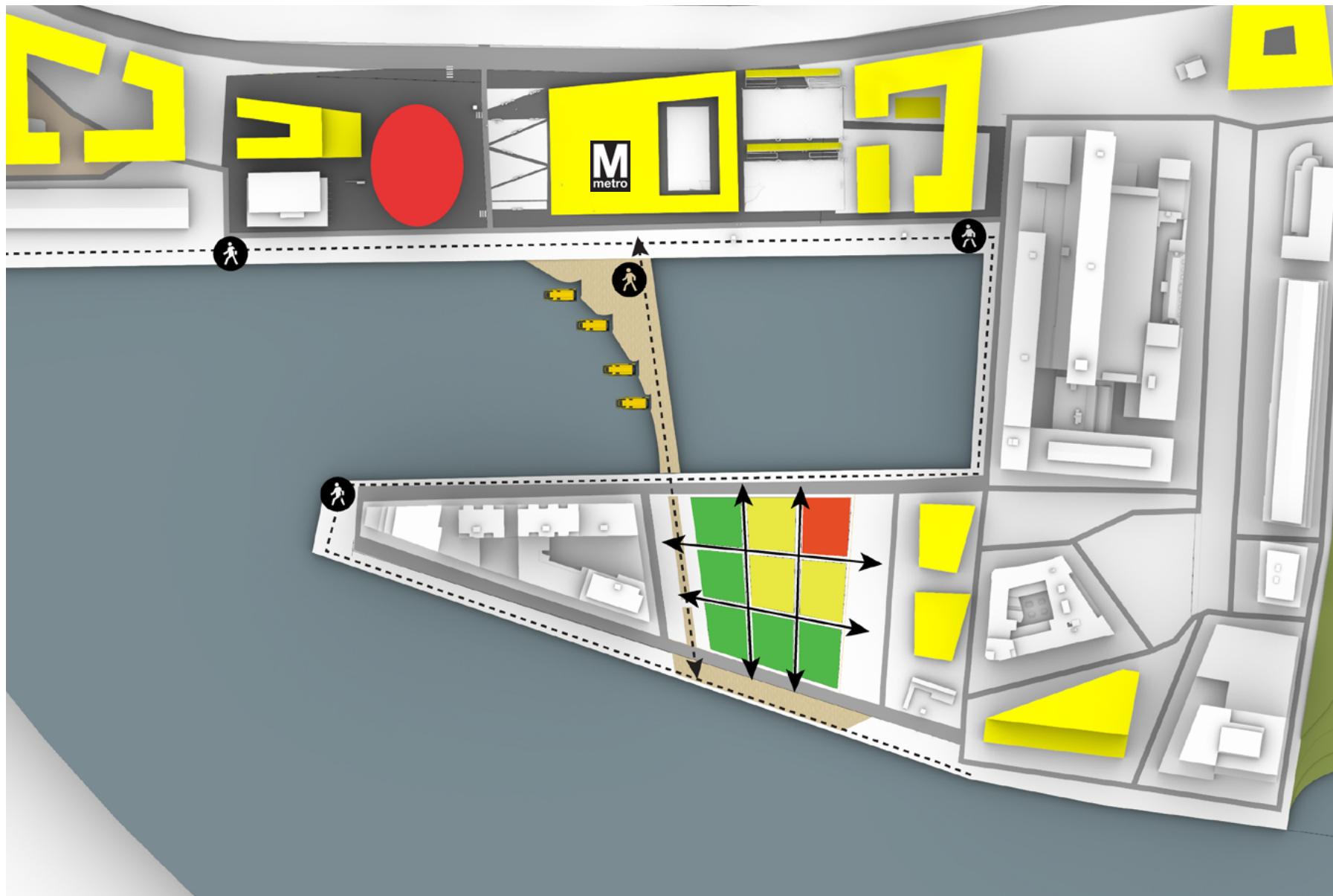
Site Development



Waterfront opportunities

Concept

Site Development

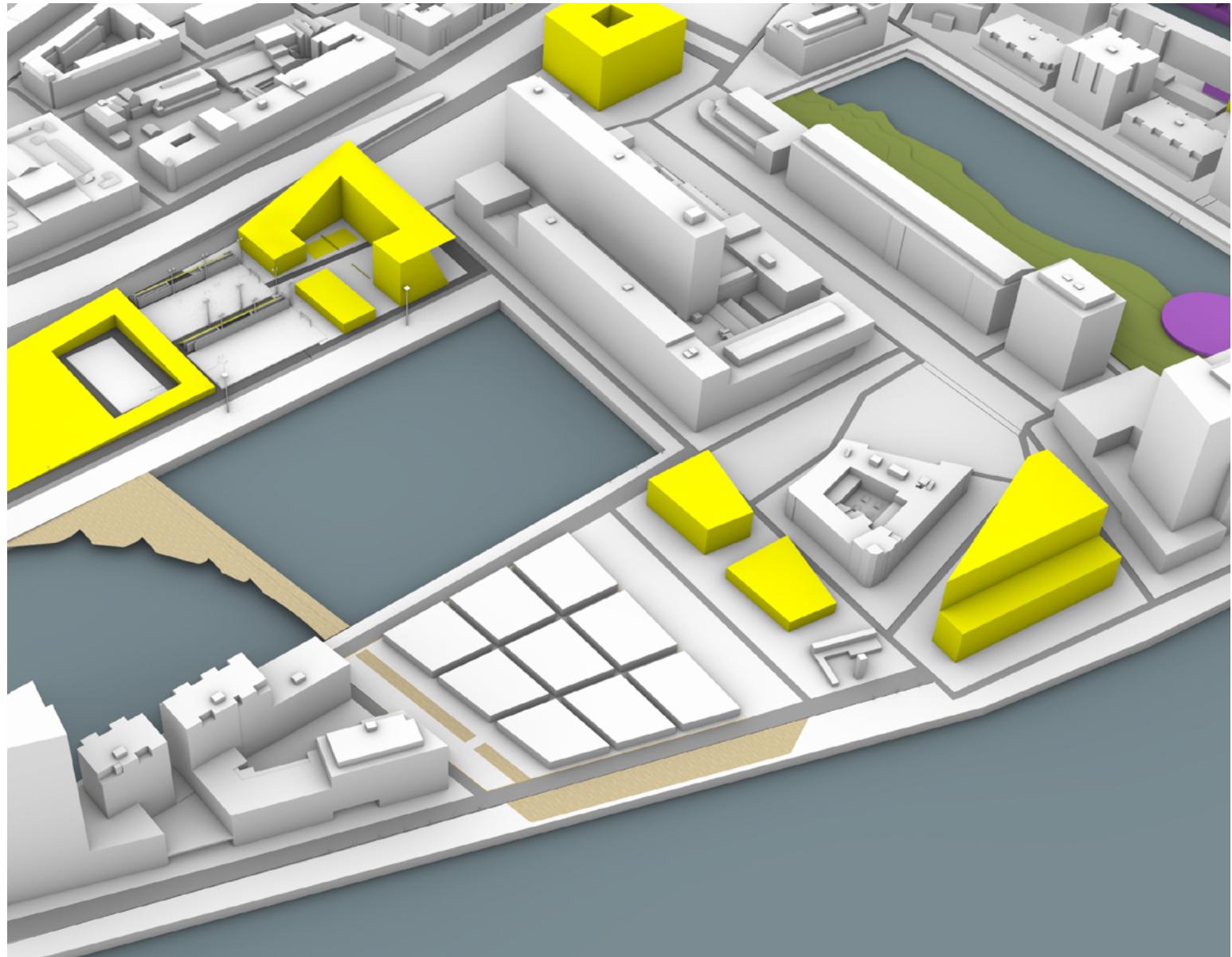


Privacy Division

- Public
- Semi private
- Private

Concept

Site Development



Network of streets

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging

Concept

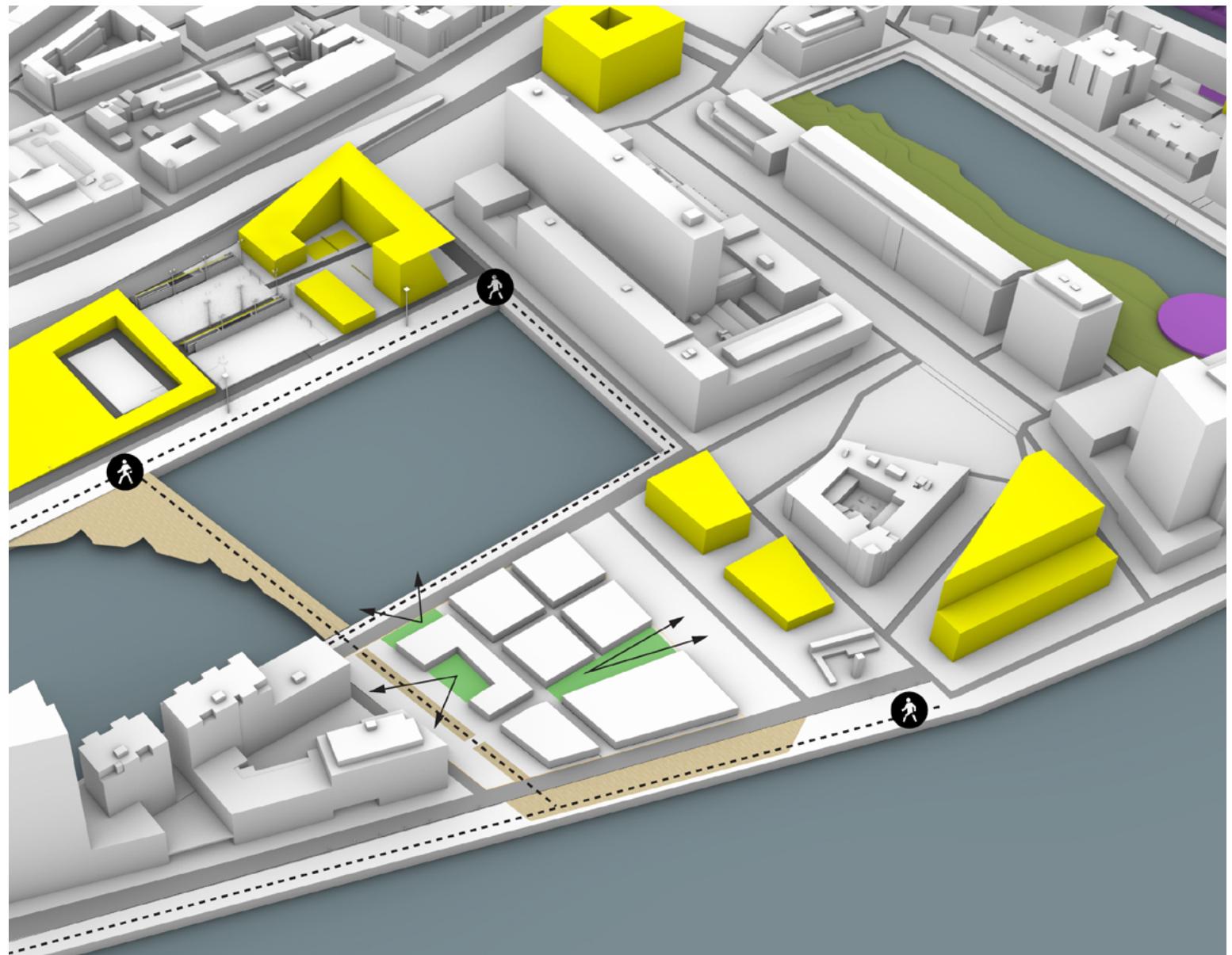
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging



Concept

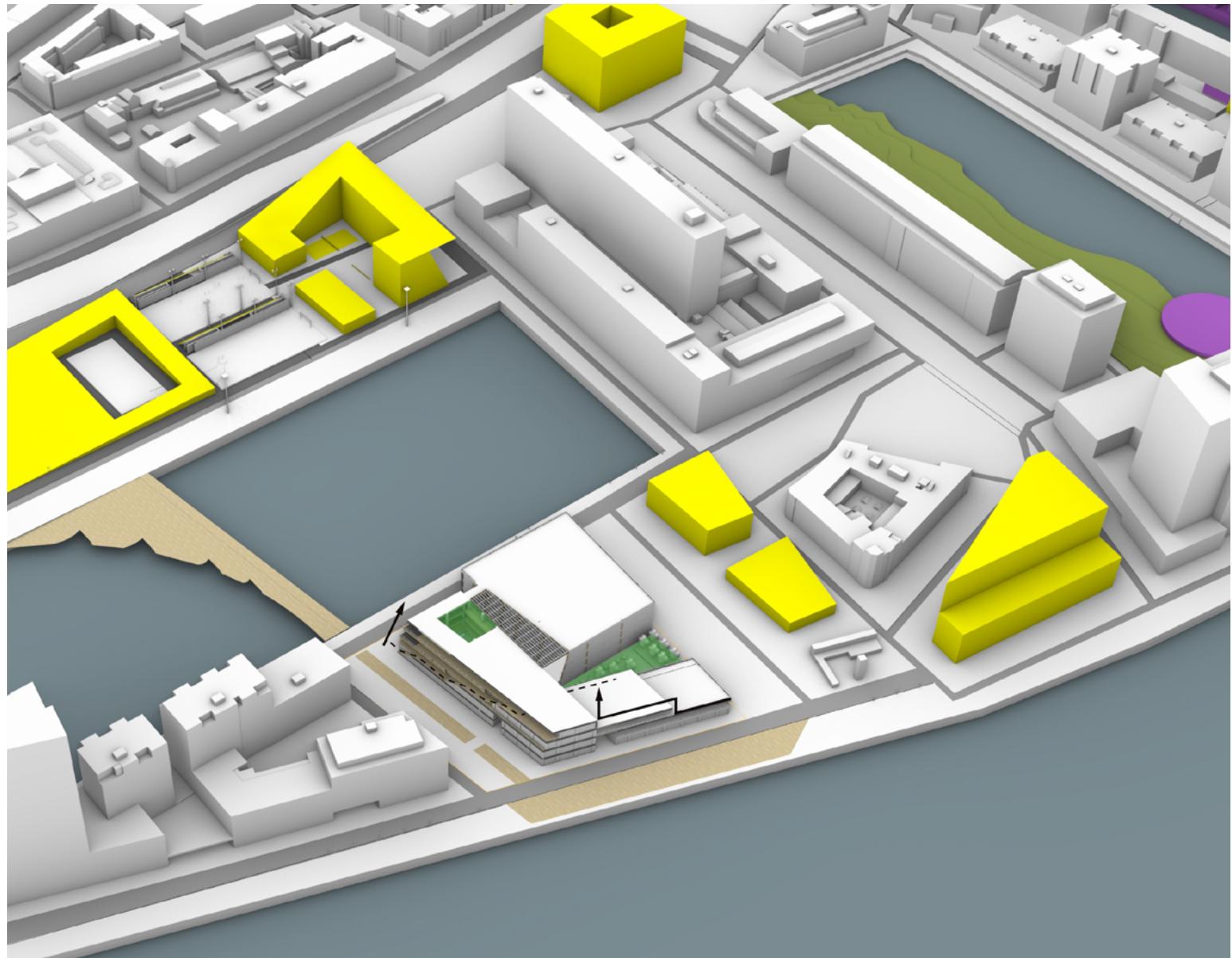
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging



Podium structure - stepped

Concept

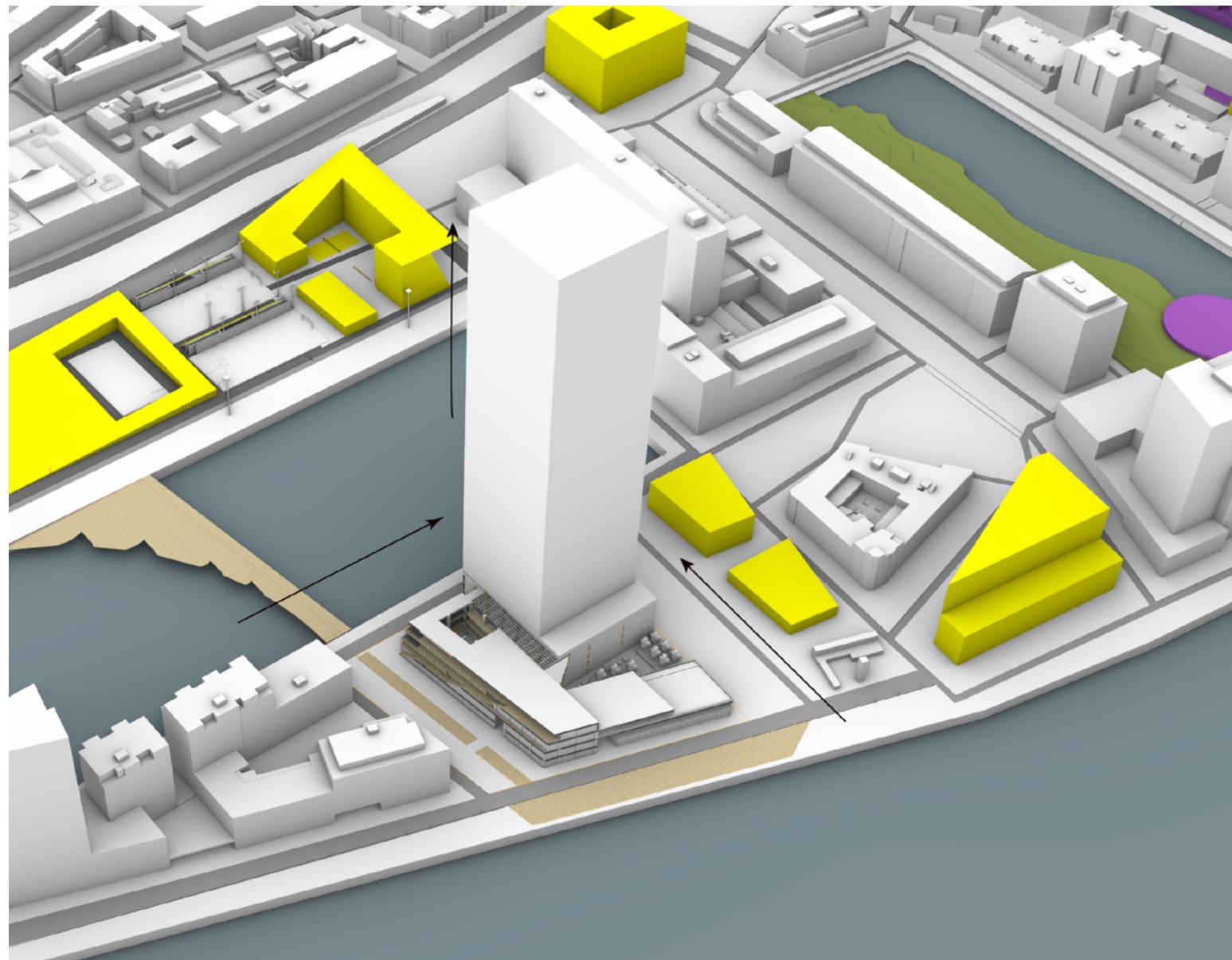
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging

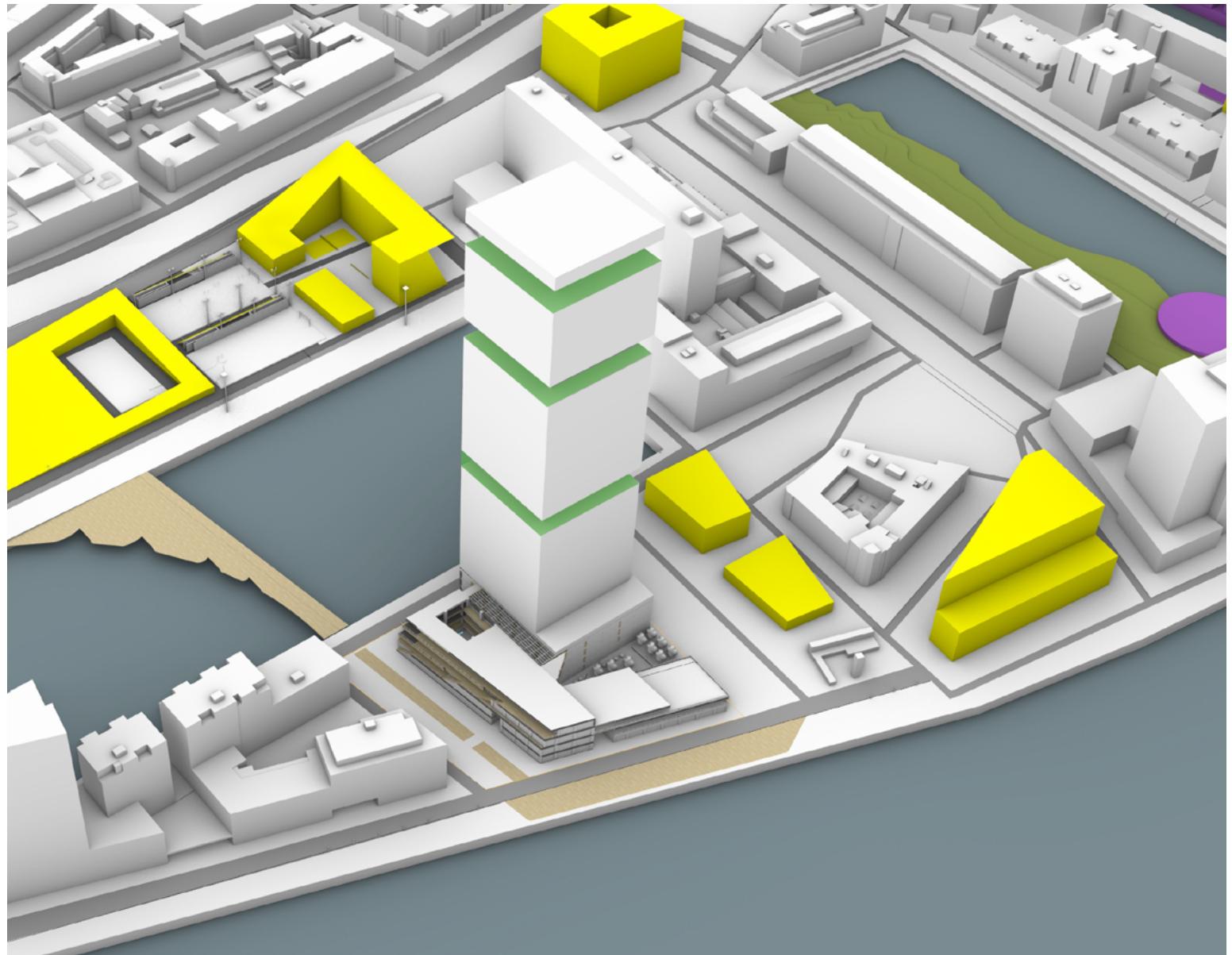


Tower Placement

Concept

Site Development

- Heritage Fabric of the city
- Urban Street life connection
- Relation to Human scale
- Sense of belonging



Compartmentalizing

Concept

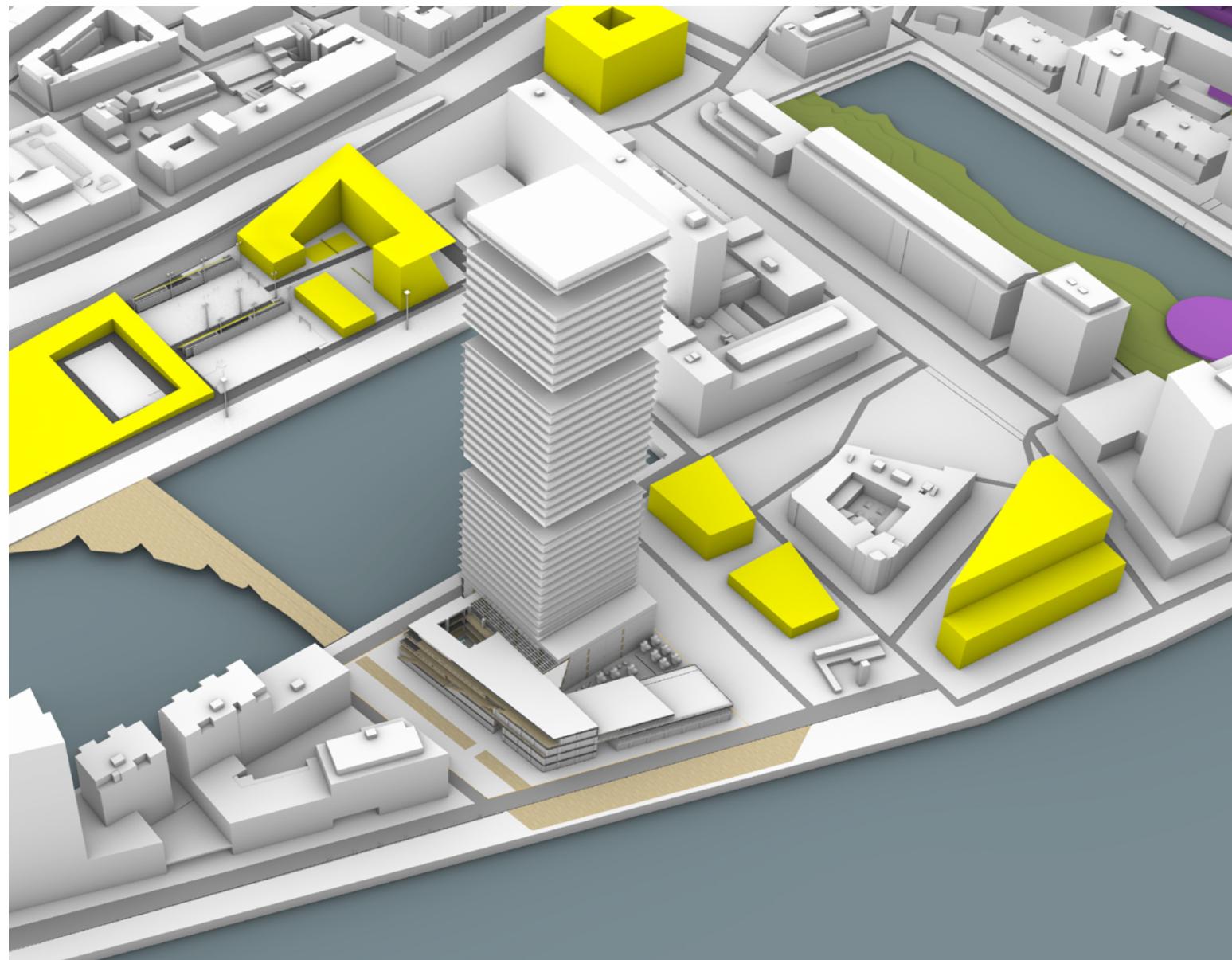
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

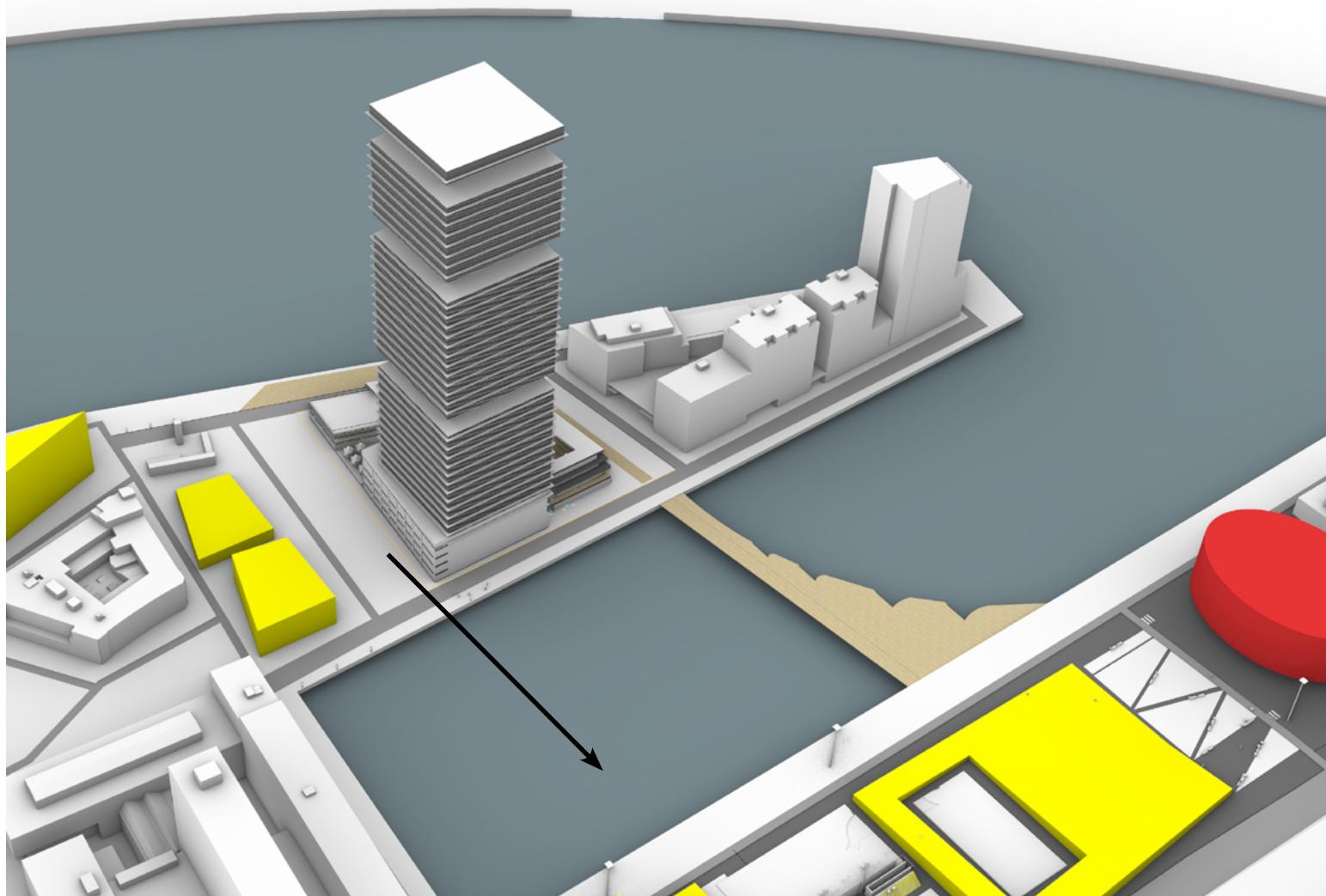
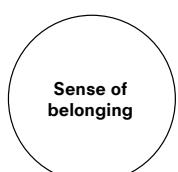
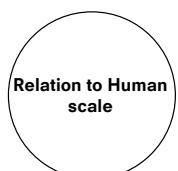
Sense of belonging



Overhangs to provide shade

Concept

Site Development



Contextual material

Concept

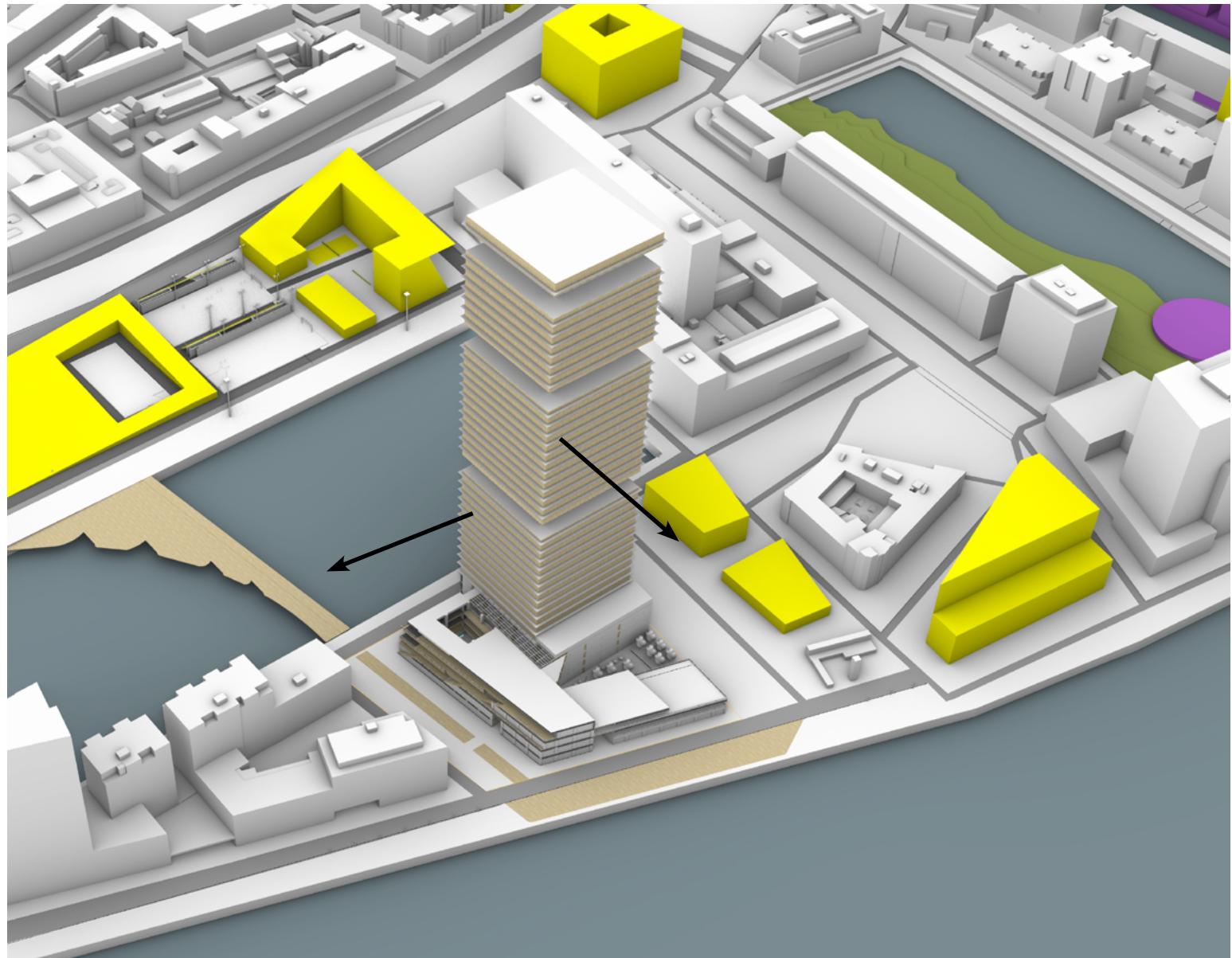
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging



Contemporary material

Concept

Heritage Fabric



Polarity

Use polarity to transition between heritage and contemporary and also to stand as icon that represents delfshaven

Concept

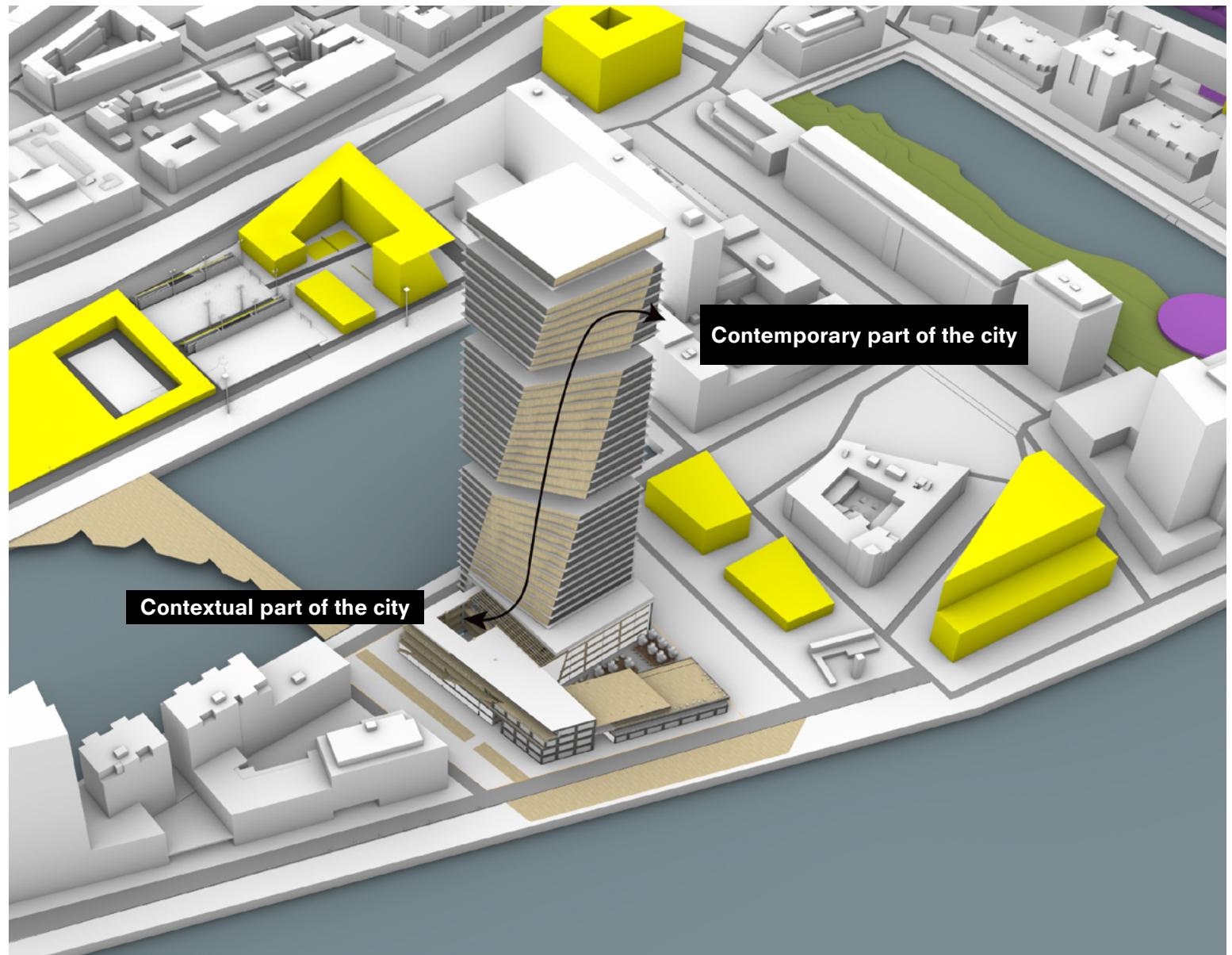
Site Development

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

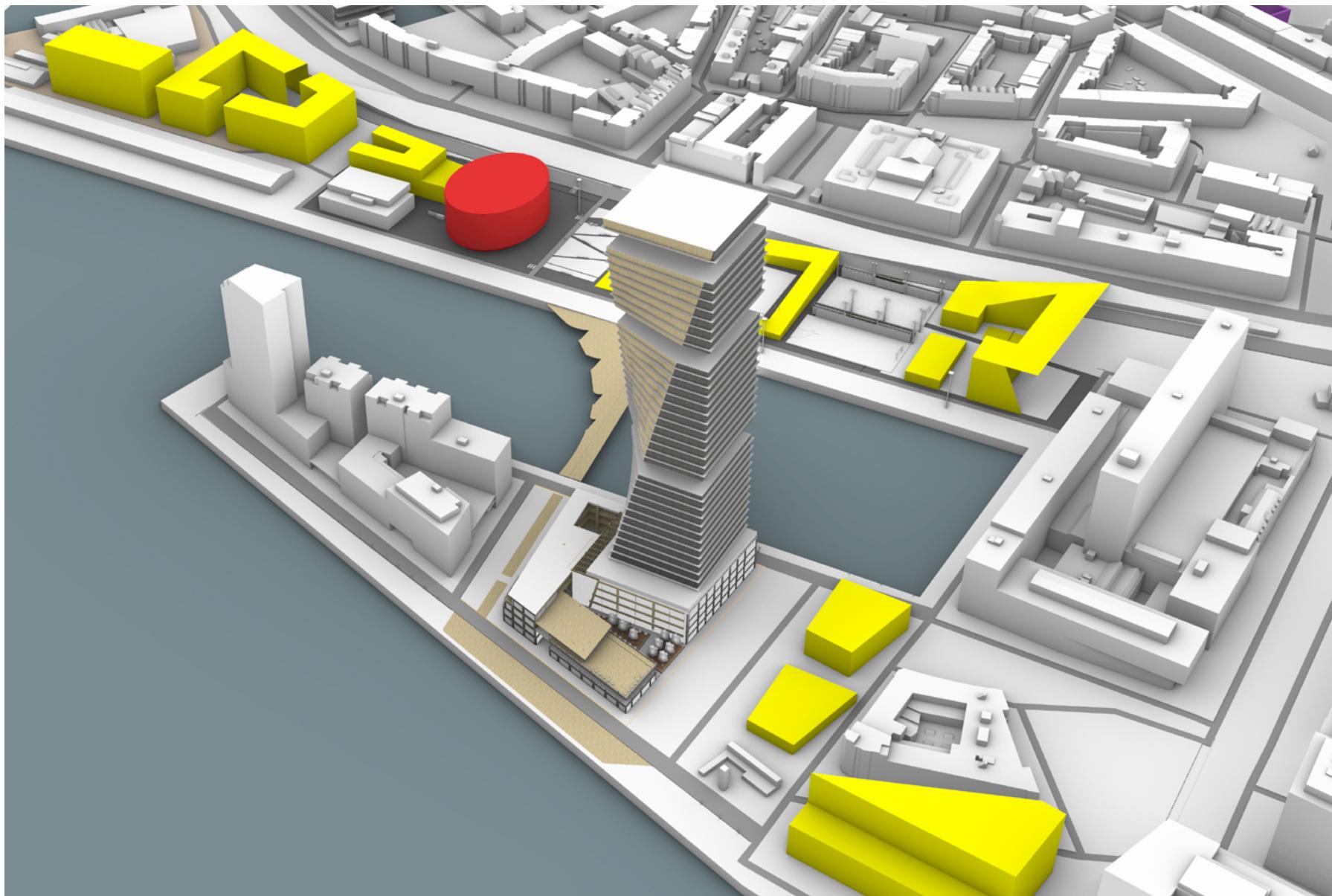
Sense of belonging



Twisting of the geometry to create a smooth transition from contextual to contemporary

Concept

Site Development



Articulation of materiality - Cuts
embrace timber construction

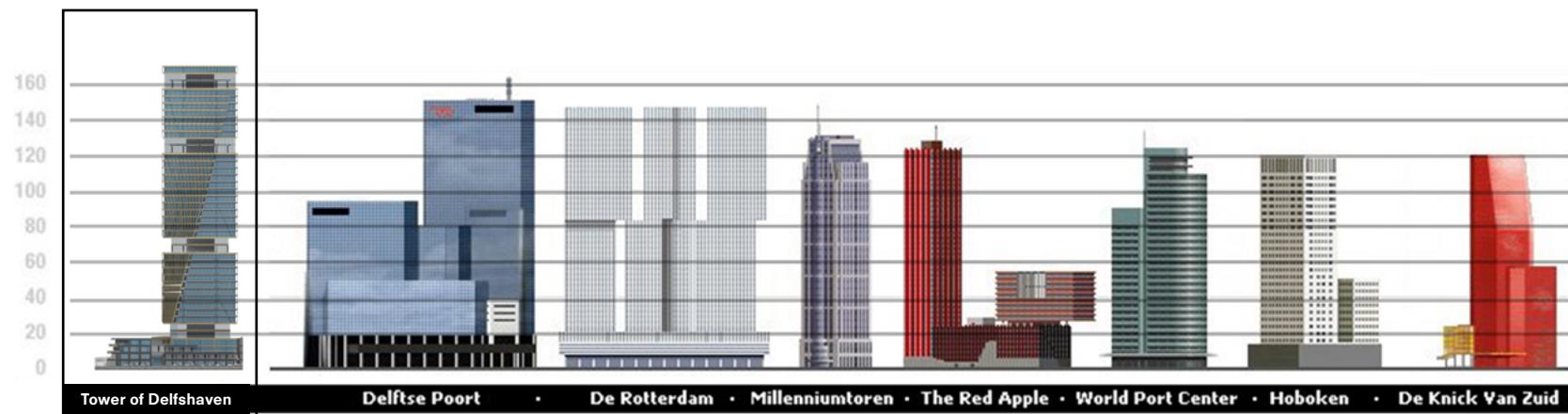
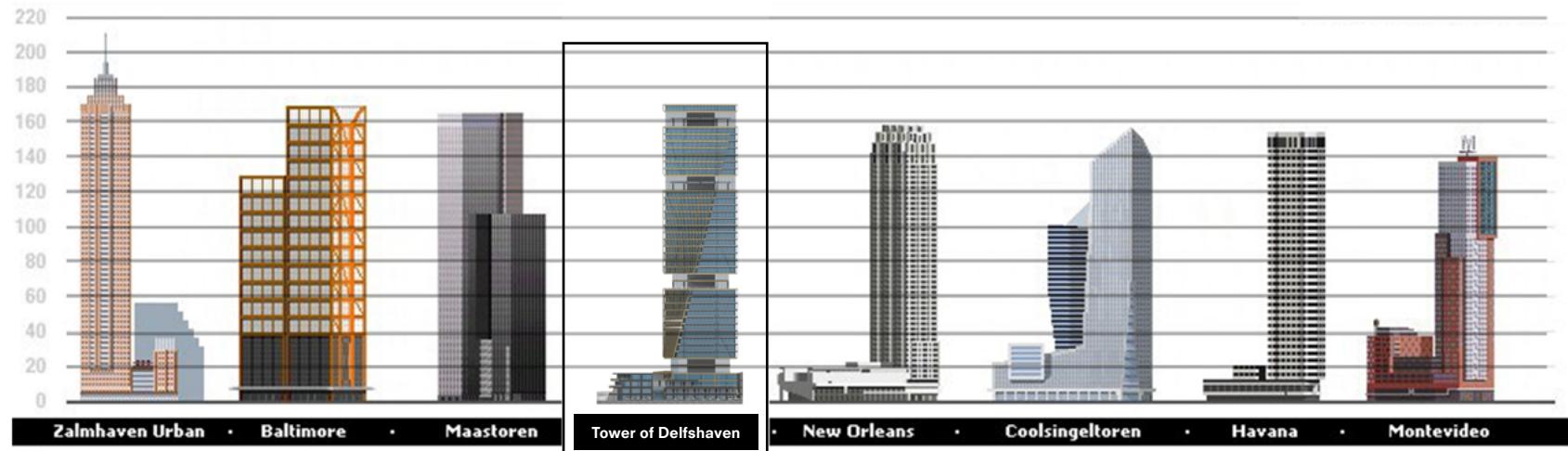
Concept

Site Development



The twist grows from the interior
of the building leads

Site Development



Unique cuboidal variant to the skyline setting it apart

Introduction

Research

Design Brief

Project Concept

Implementation

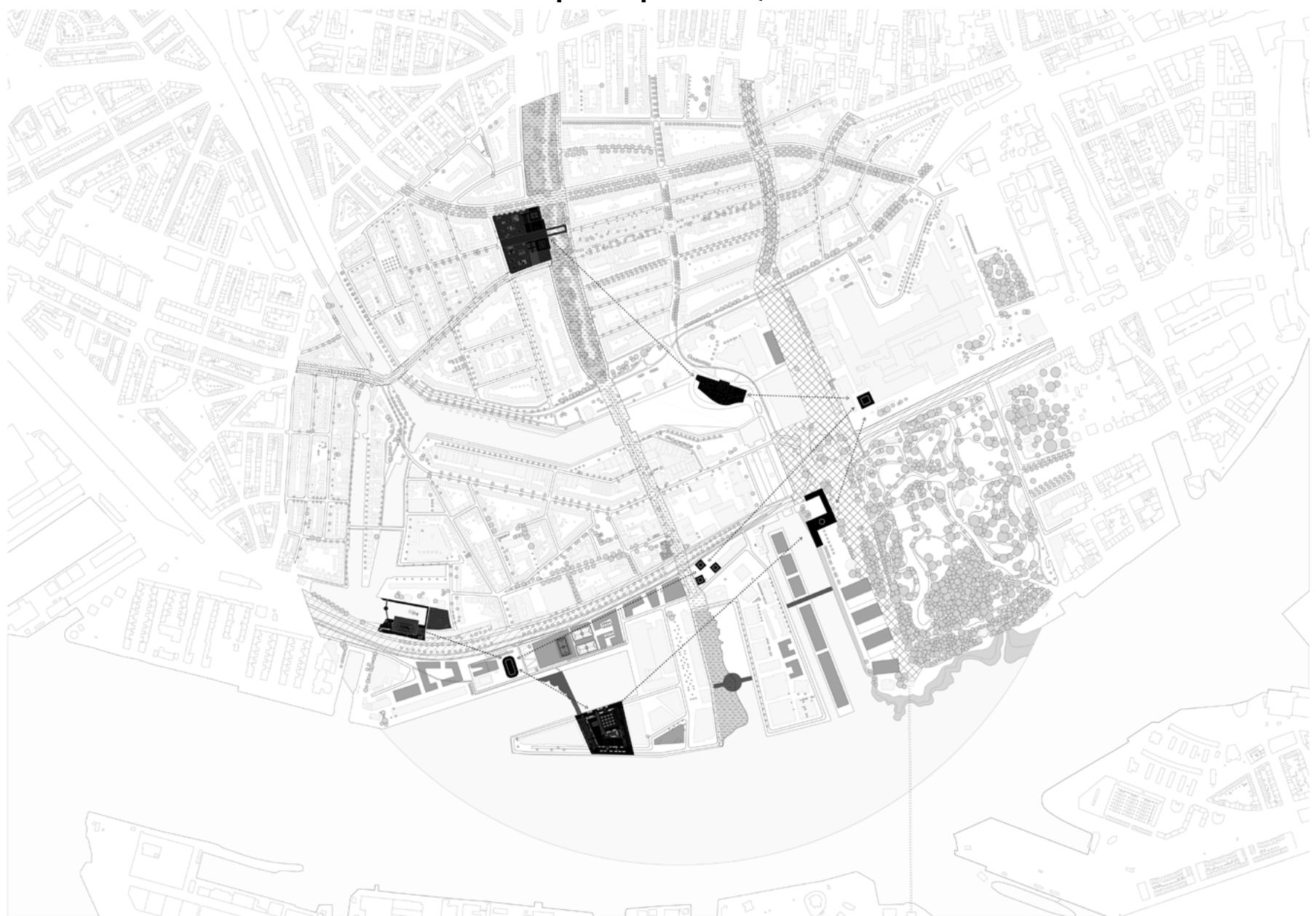
Development

Conclusion

INDEX

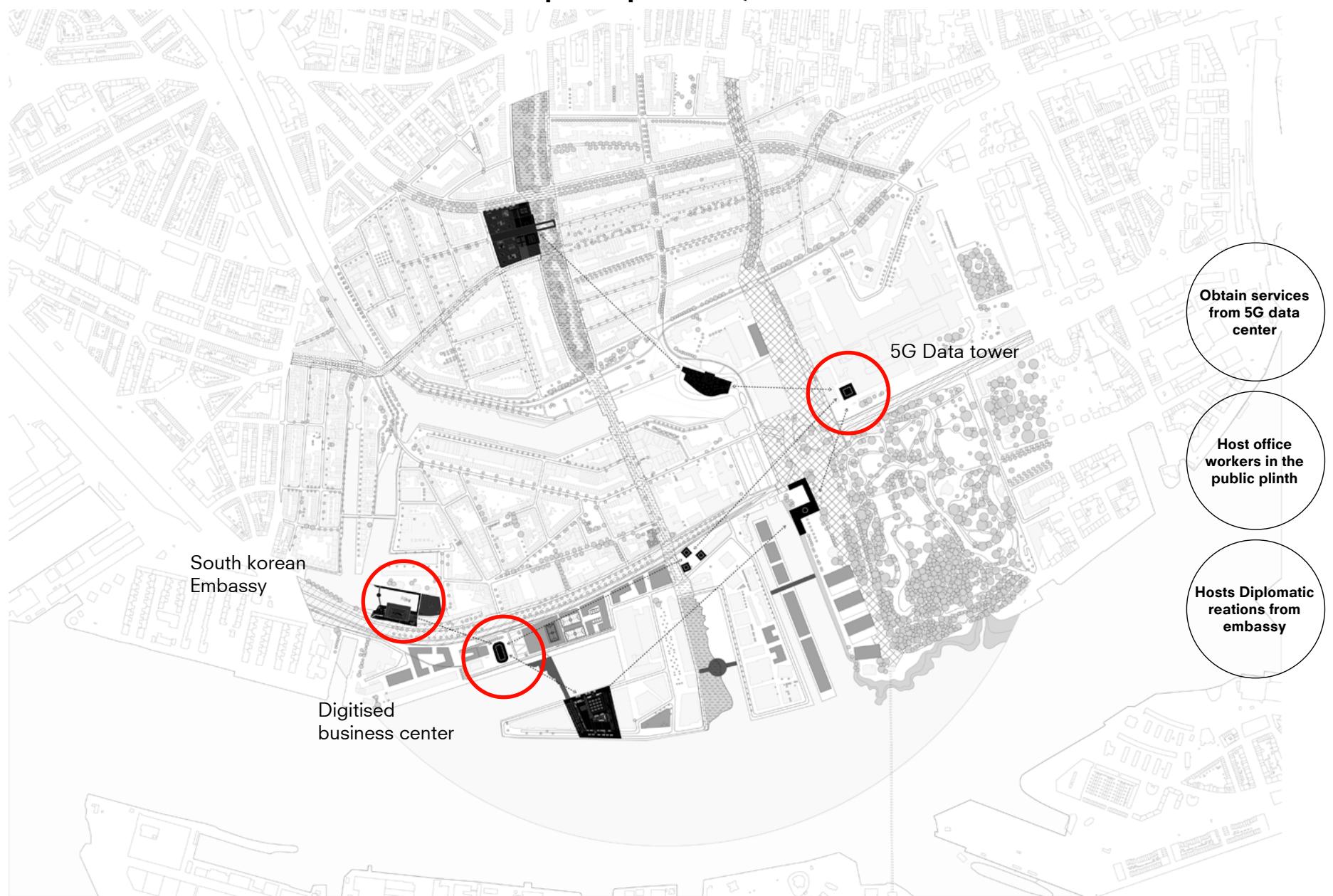
Implementation

Group Site plan 1:10,000



Scale 1:10,000

Group Site plan 1:10,000



Scale 1:10,000

Implementation

Site Plan 1:1,000



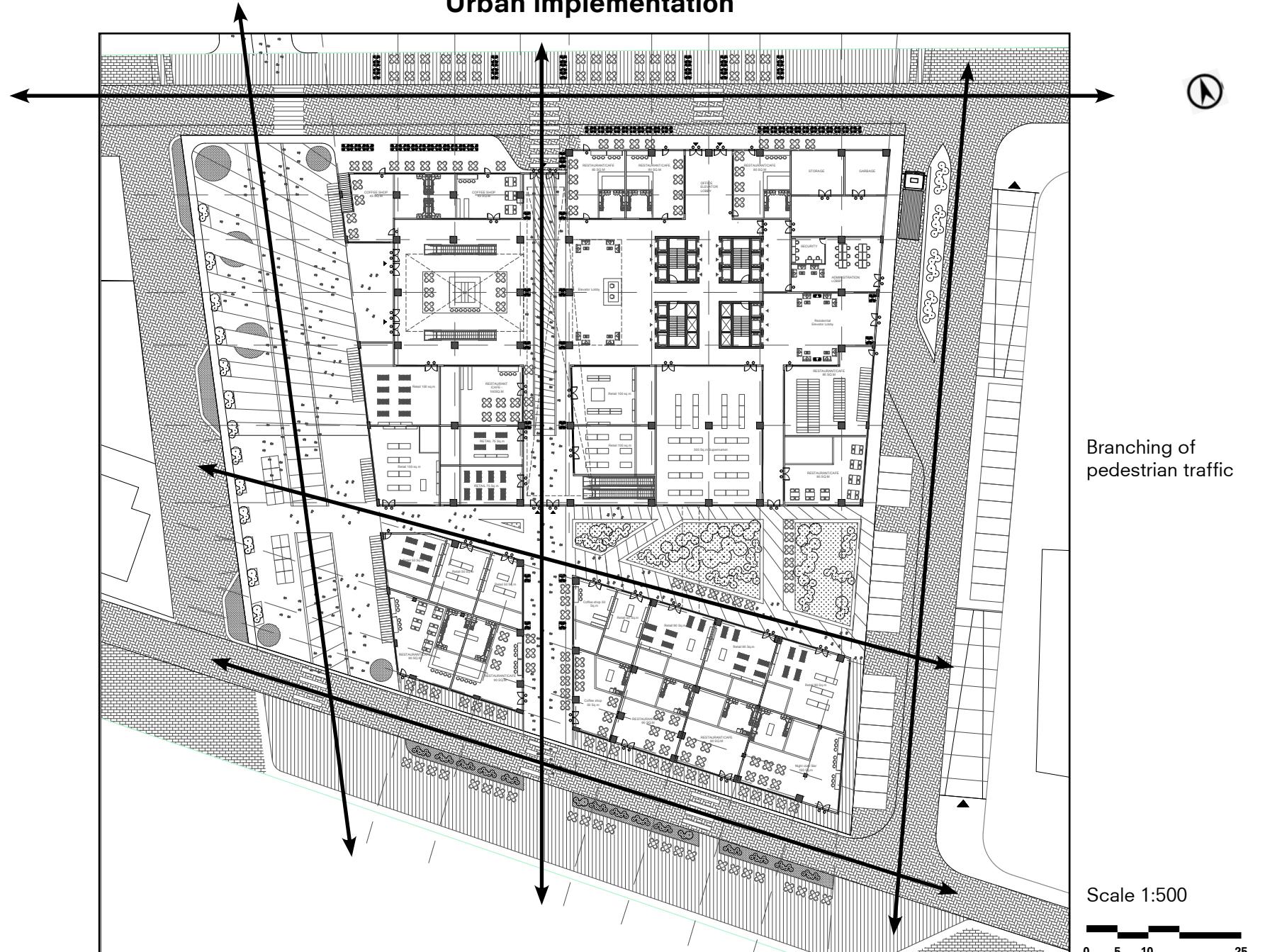
Scale 1:1000



Approach



Urban implementation



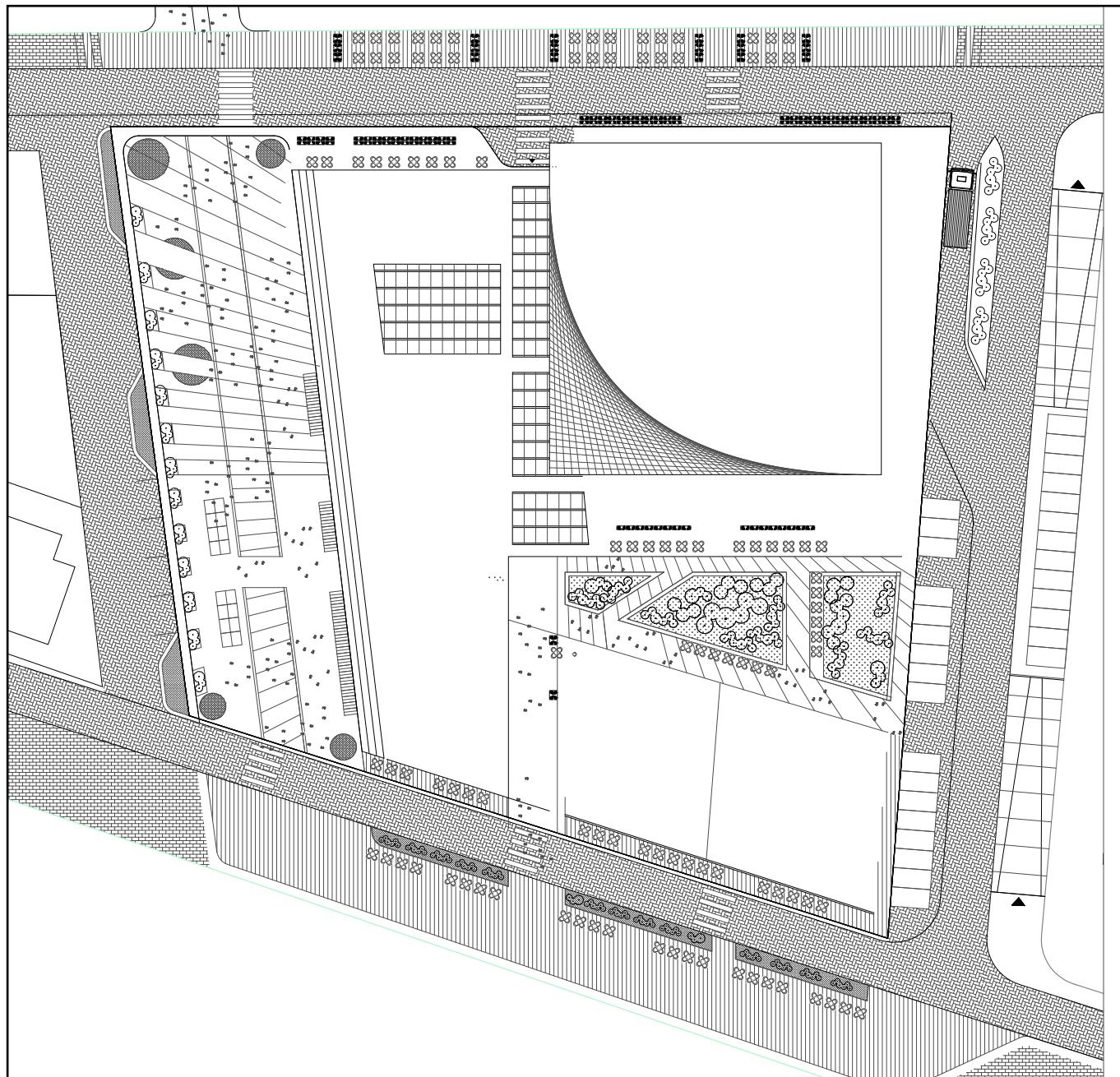
Urban implementation



Urban implementation



Urban implementation



Urban implementation



Plaza on a Market day

Urban implementation



Plaza on a Normal day

Urban implementation



Urban implementation



Atrium & Elevator Lobby

Urban implementation

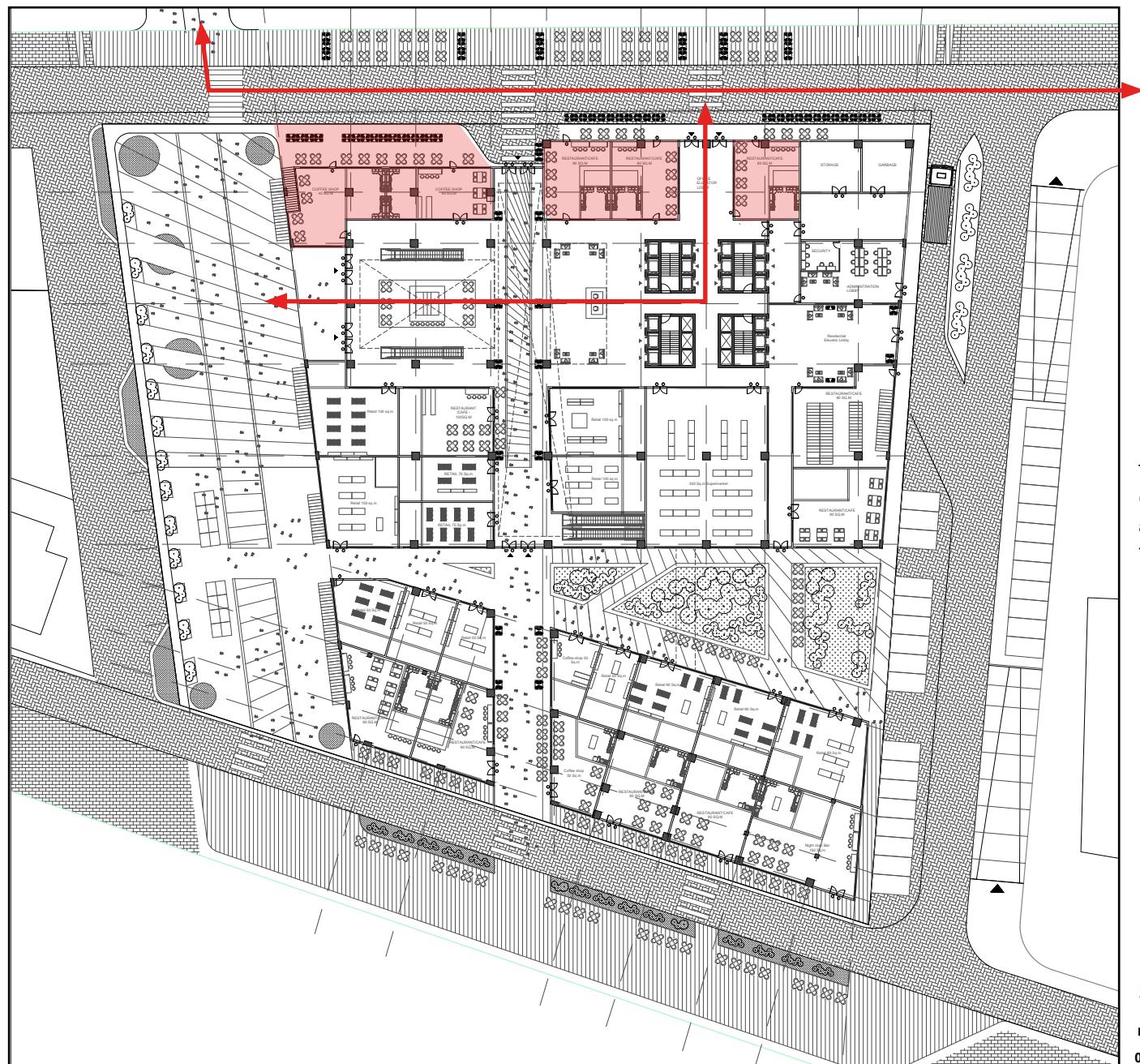


Urban implementation



Public Waterfront

Urban implementation



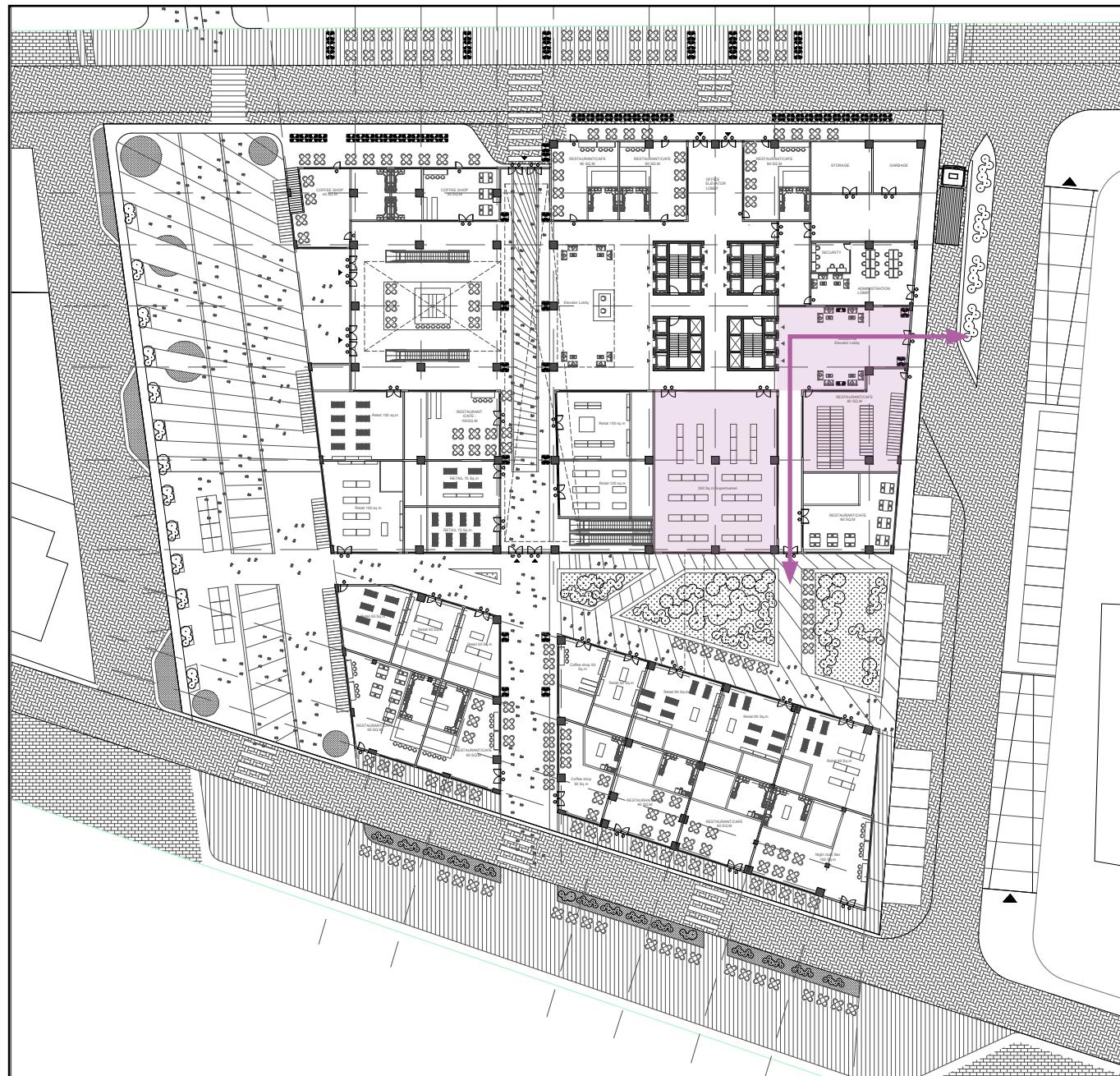
Urban implementation



**Business street
waterfront**

0 5 10 25

Urban implementation



The Residential Flow, courtyard acts as a buffer space

Scale 1:500



Urban implementation

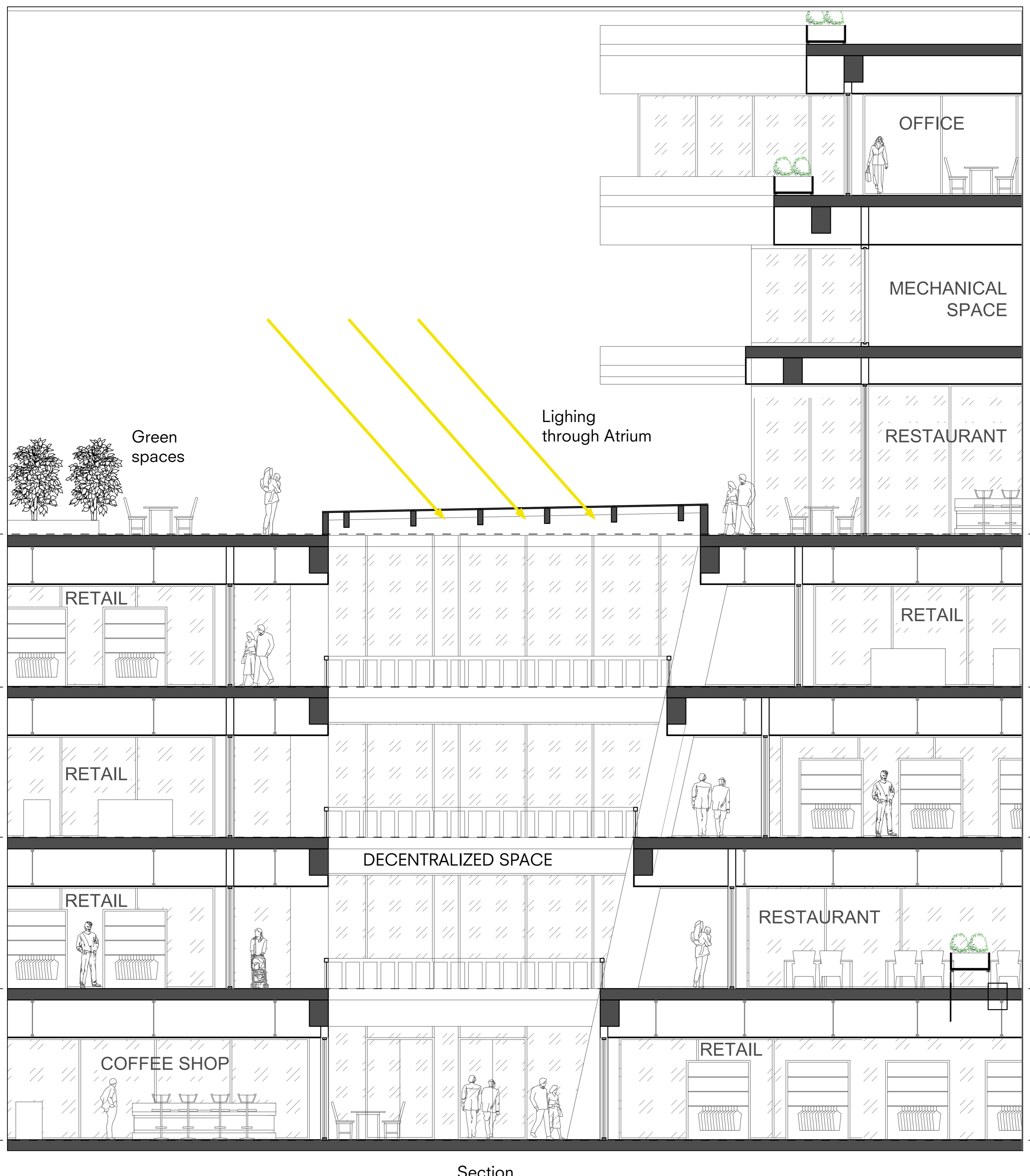


Courtyard

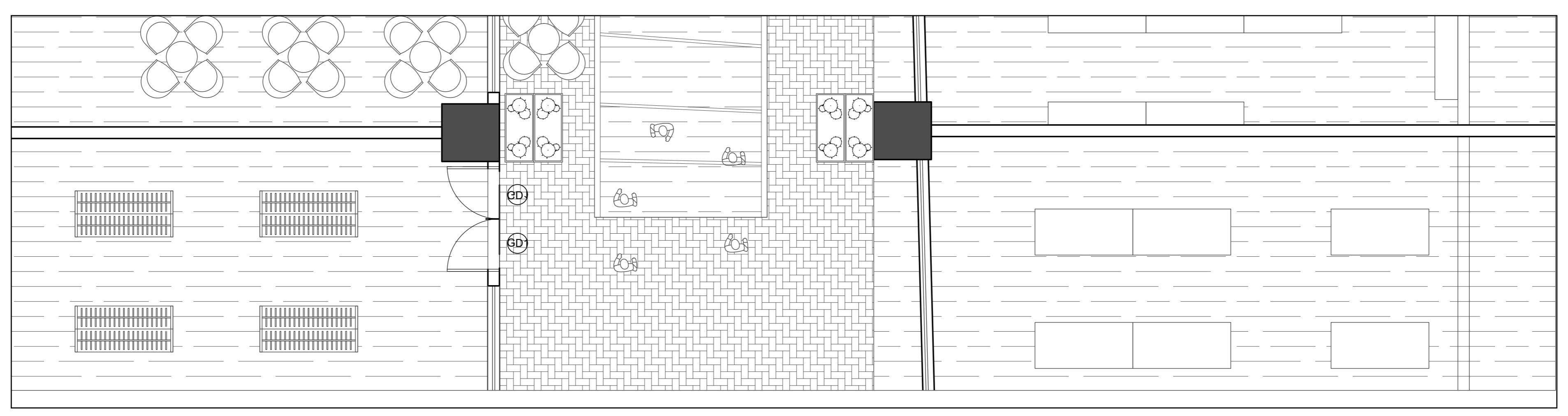
Urban implementation



Interior Fragment 1:50



Section



Plan

Characterization of the public
passage as a street in netherlands

Floor plans

Visual Experience

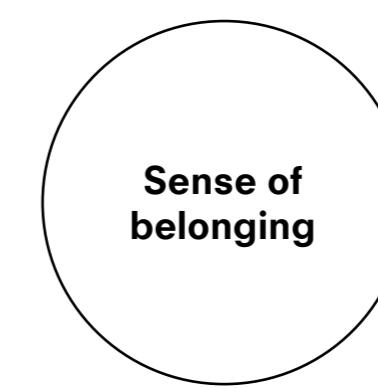
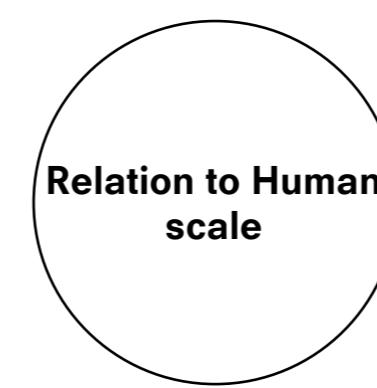
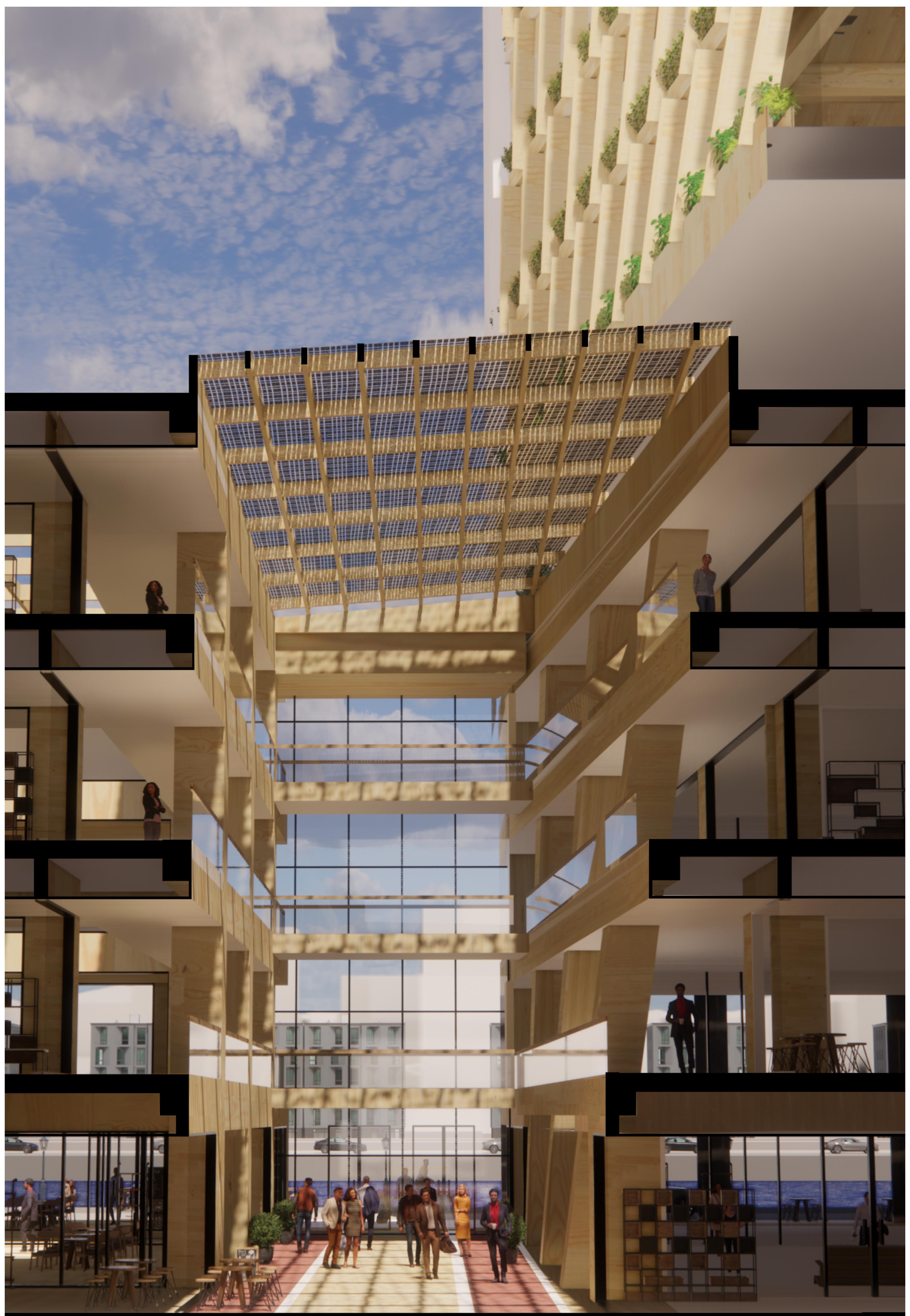


Perspective section



Retaining characteristics of the narrow street
with a contemporary articulation of the space

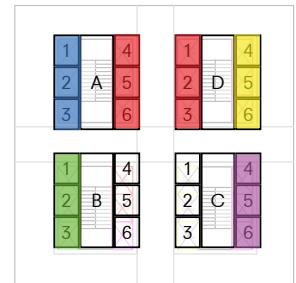
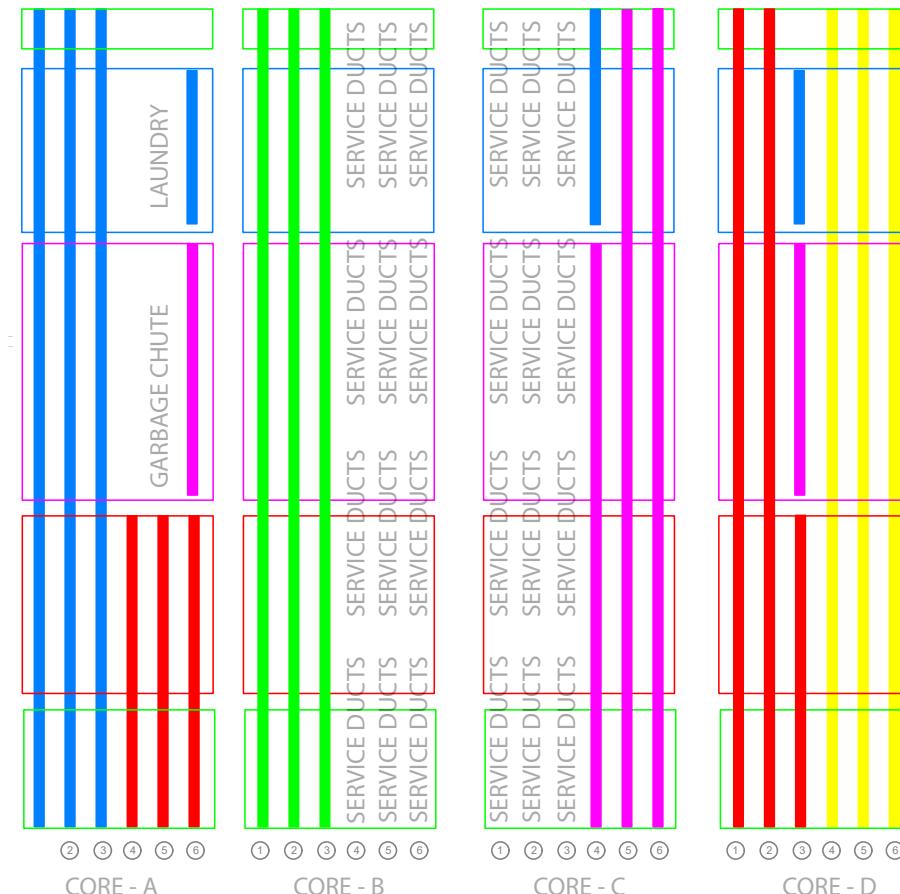
Perspective section



Urban implementation



Core development

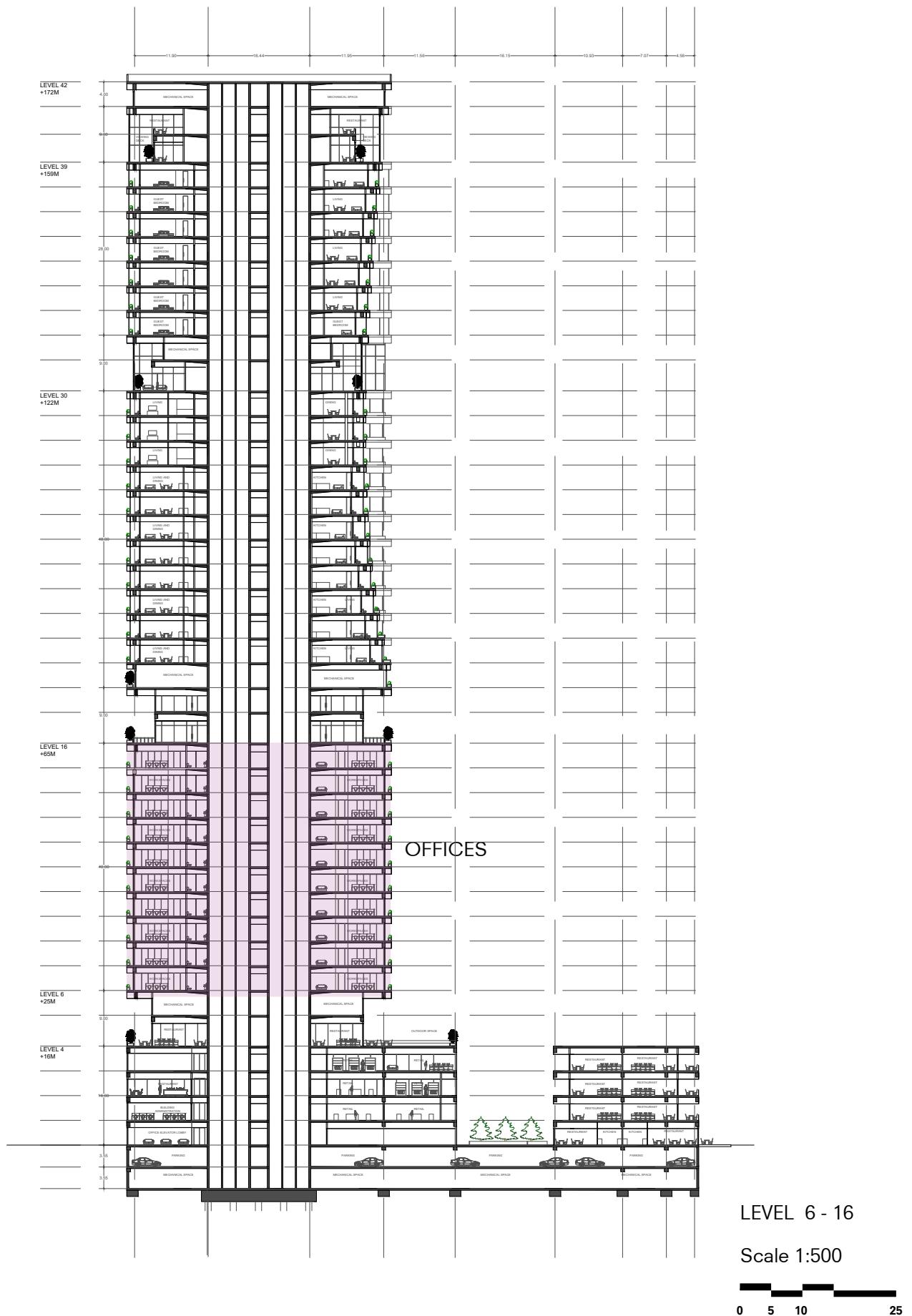


- █ Hotel
- █ Residence
- █ Office
- █ Service
- █ Public

OFFICE

Implementation

Section AA'

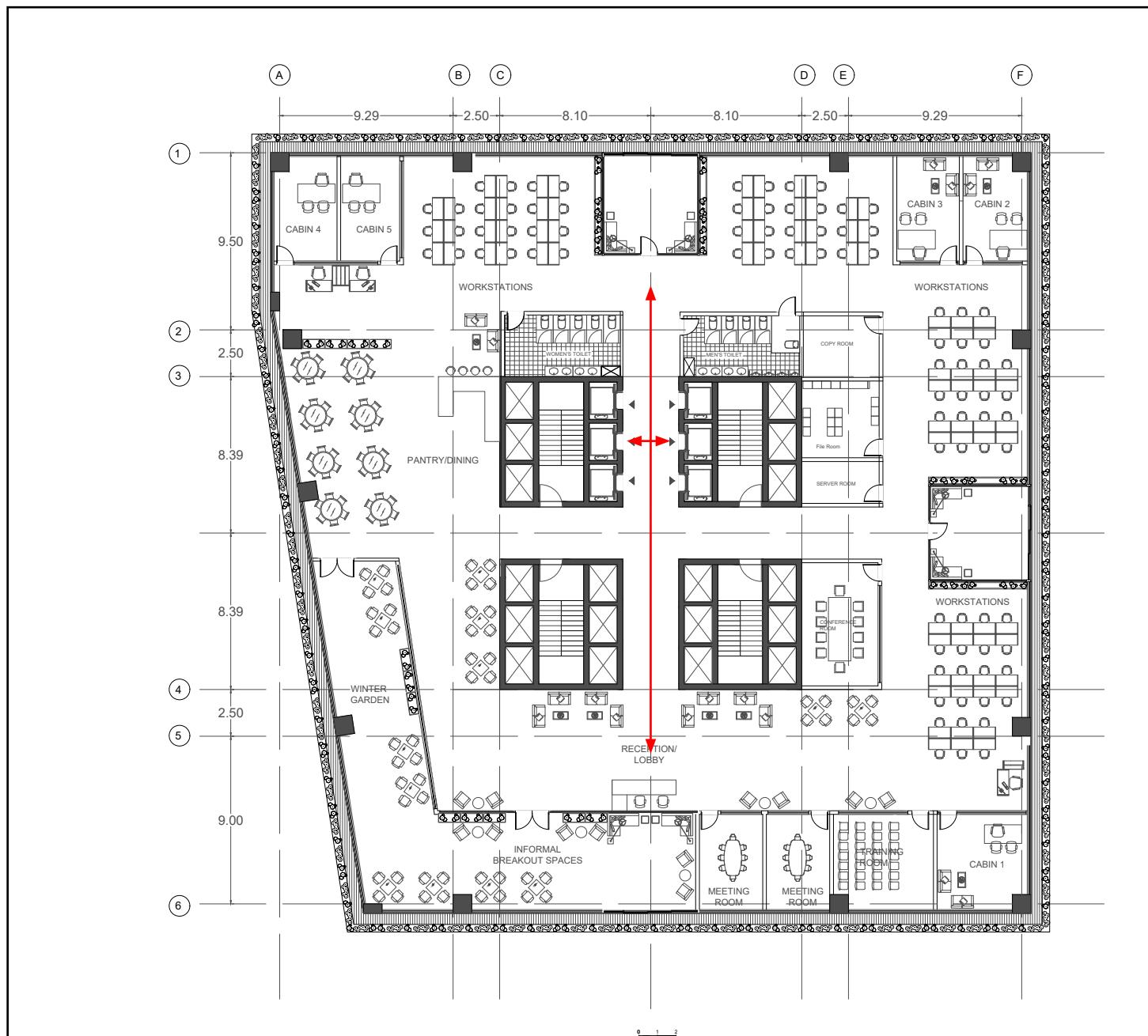


Urban implementation



Floor plans

Typical Office Floor plan



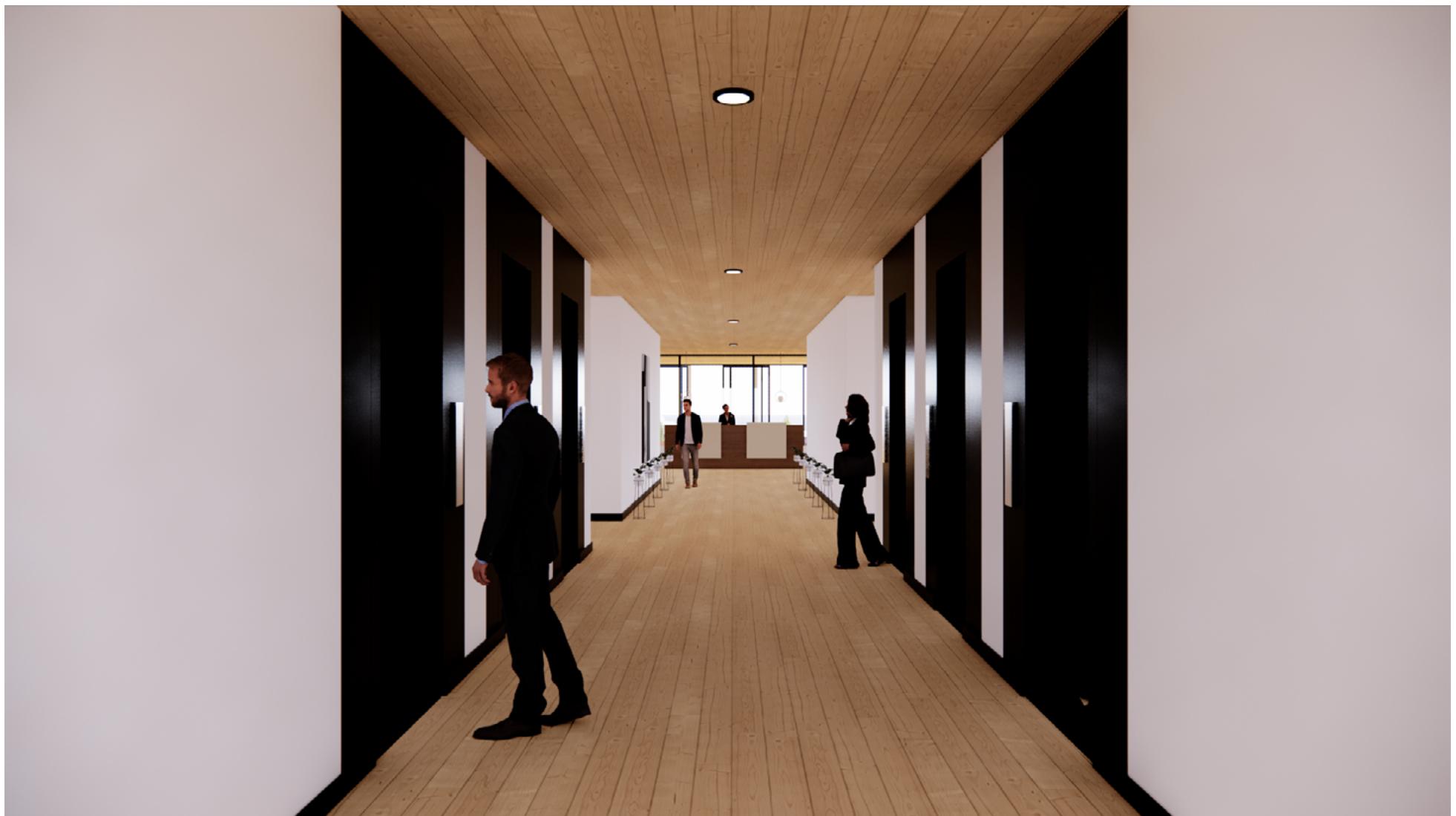
LEVEL 7 - +29m

Scale 1:200



Implementation

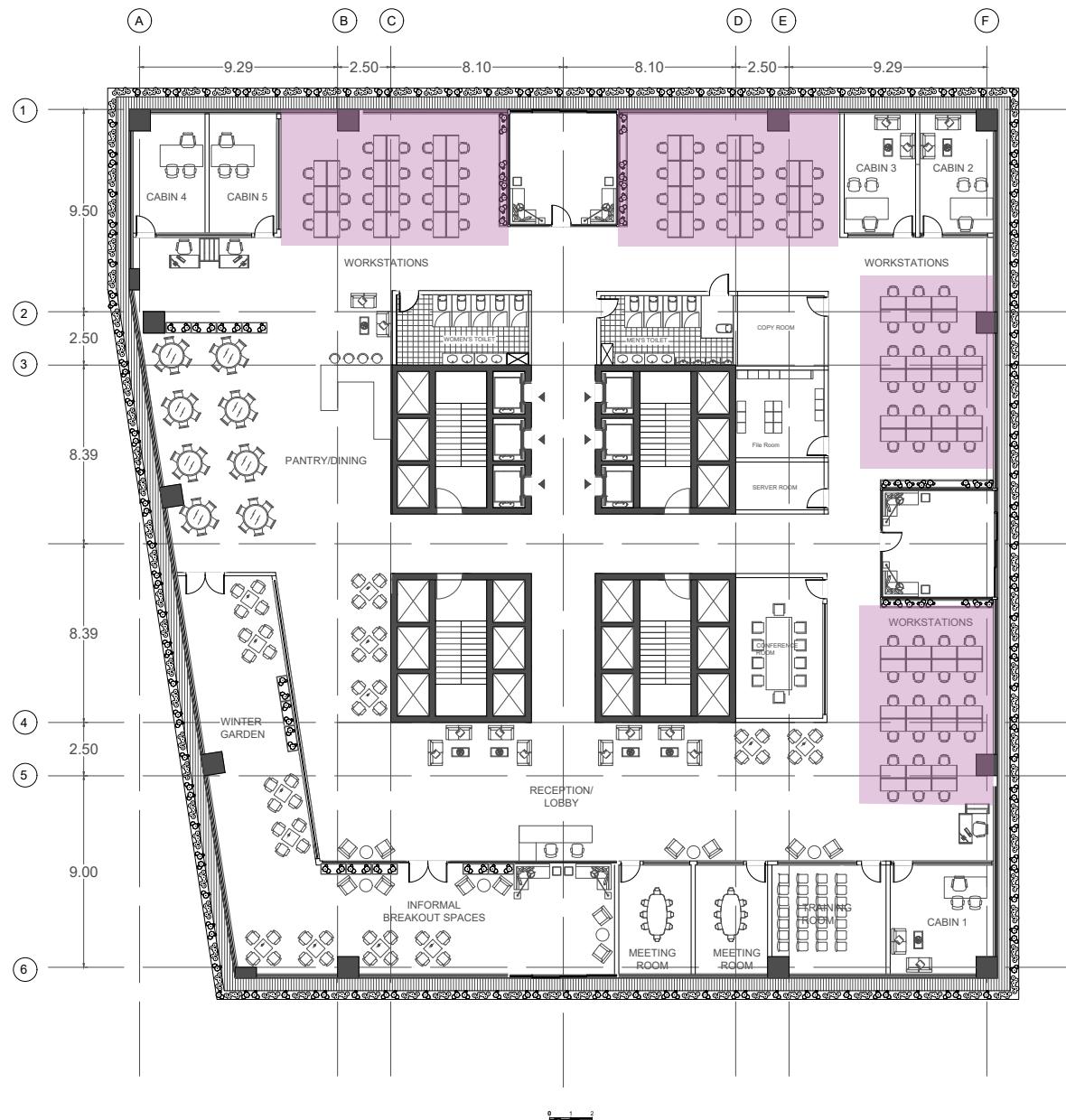
Office



**Elevator Lobby and
Reception**

Floor plans

Typical Office Floor plan



Workstation positioned at the periphery

LEVEL 7 - +29m

Scale 1:200



Implementation

Office



Canadian Maple
LVT - Flooring

Workstations

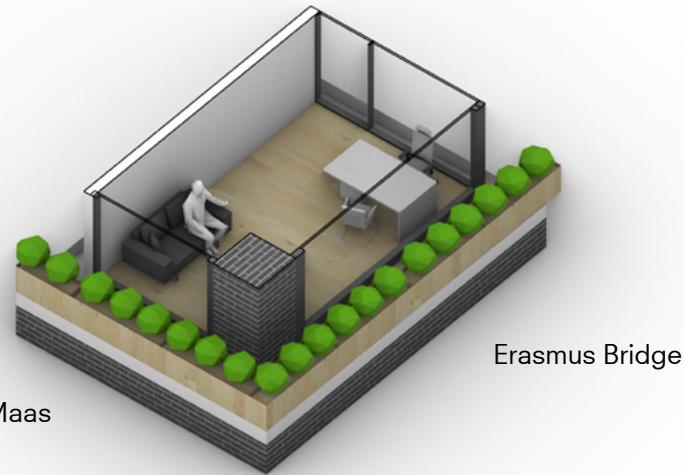
Floor plans

Typical Office Floor plan



Floor plans

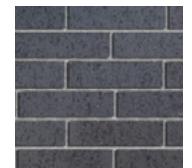
Typical Office Floor plan



Canadian Maple
LVT - Flooring



White stained Larch
rainscreen- Facade

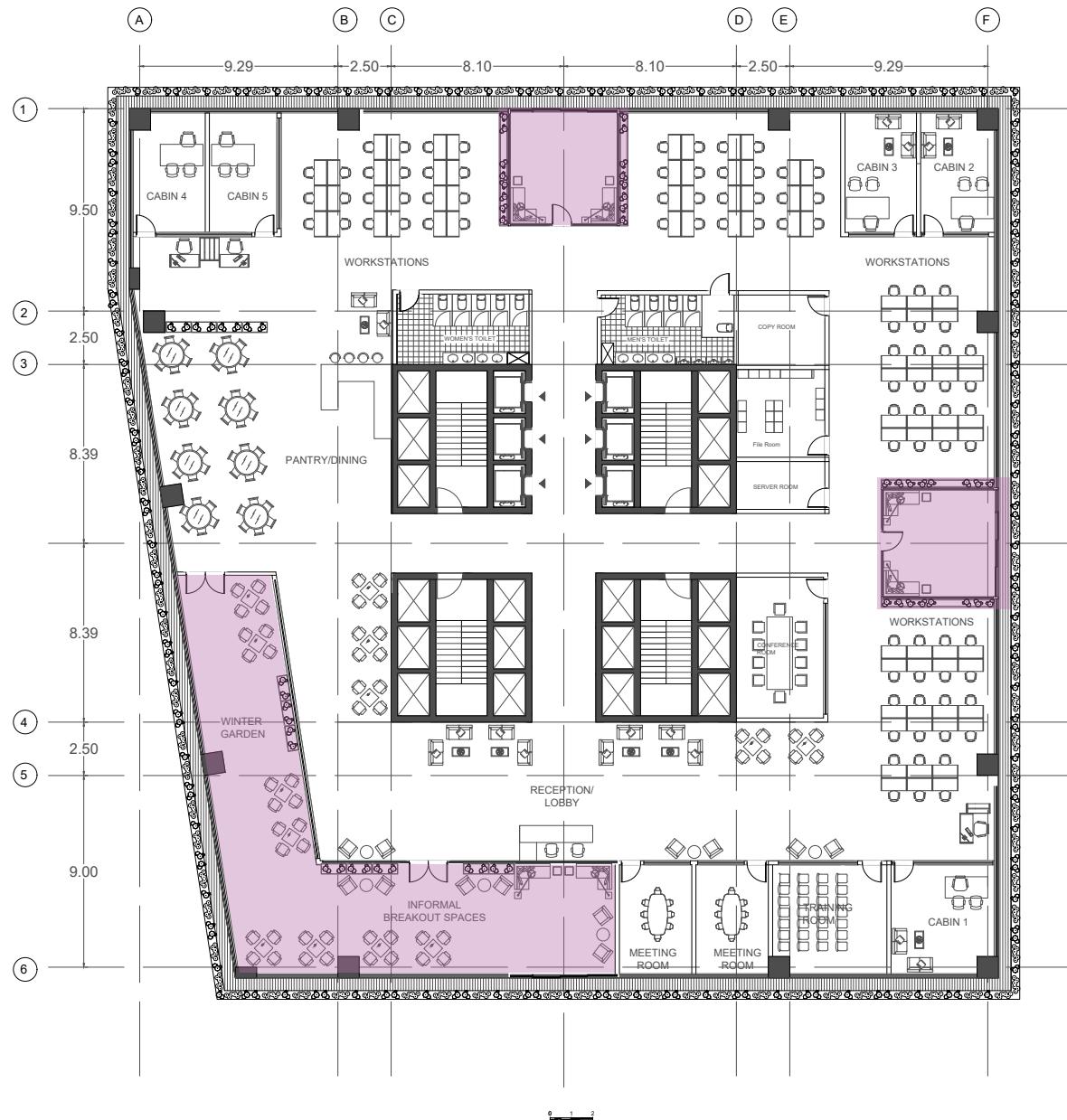


Thin brick grey
cladding - Facade

**Corner office - 20 Sq.m -
South Facade**

Floor plans

Typical Office Floor plan



LEVEL 7 - +29m

Scale 1:200



0 1 2 3 4 5

Implementation

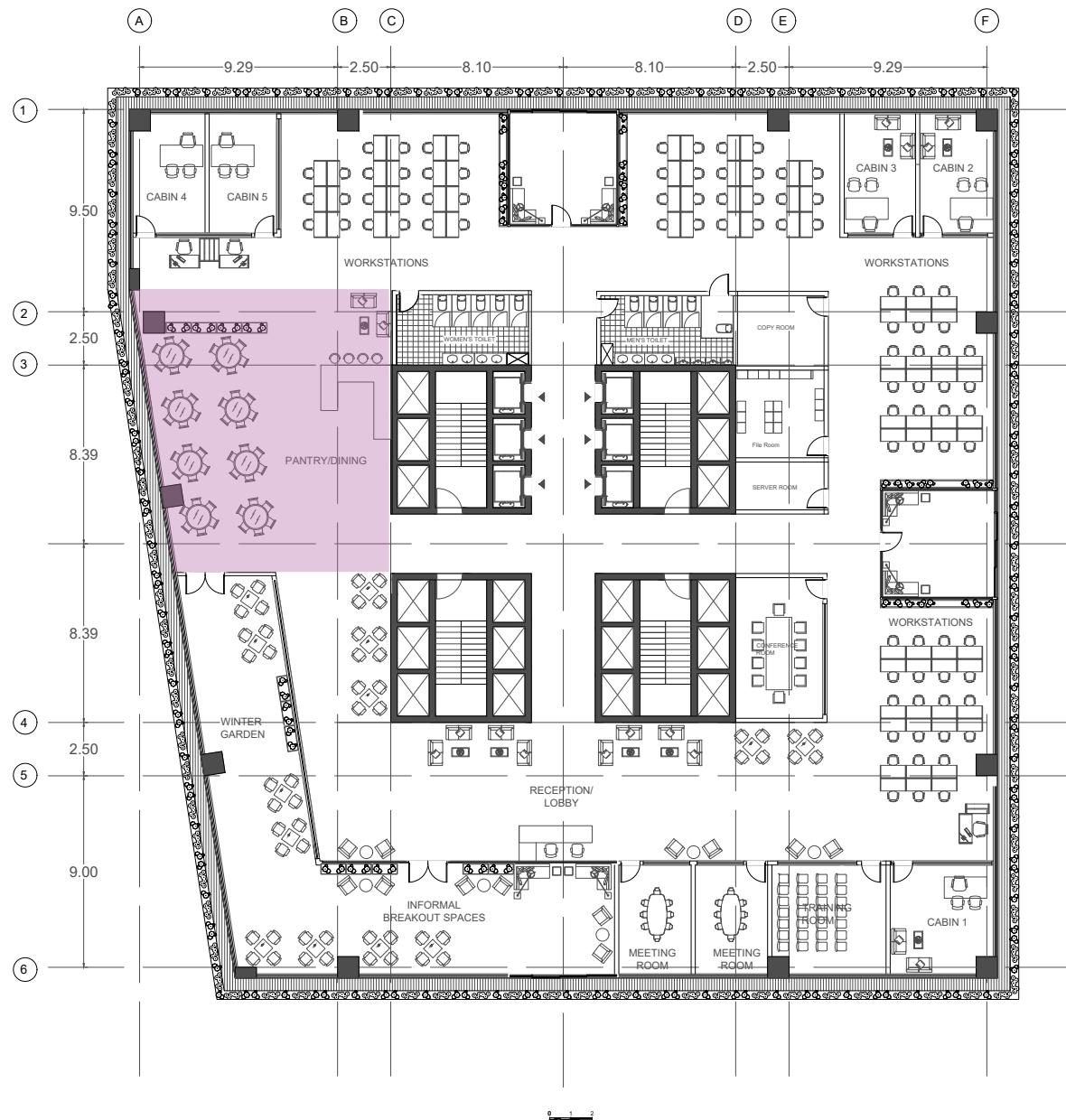
Office



Double skin facade

Floor plans

Typical Office Floor plan



LEVEL 7 - +29m

Scale 1:200



Implementation

Office



Pantry

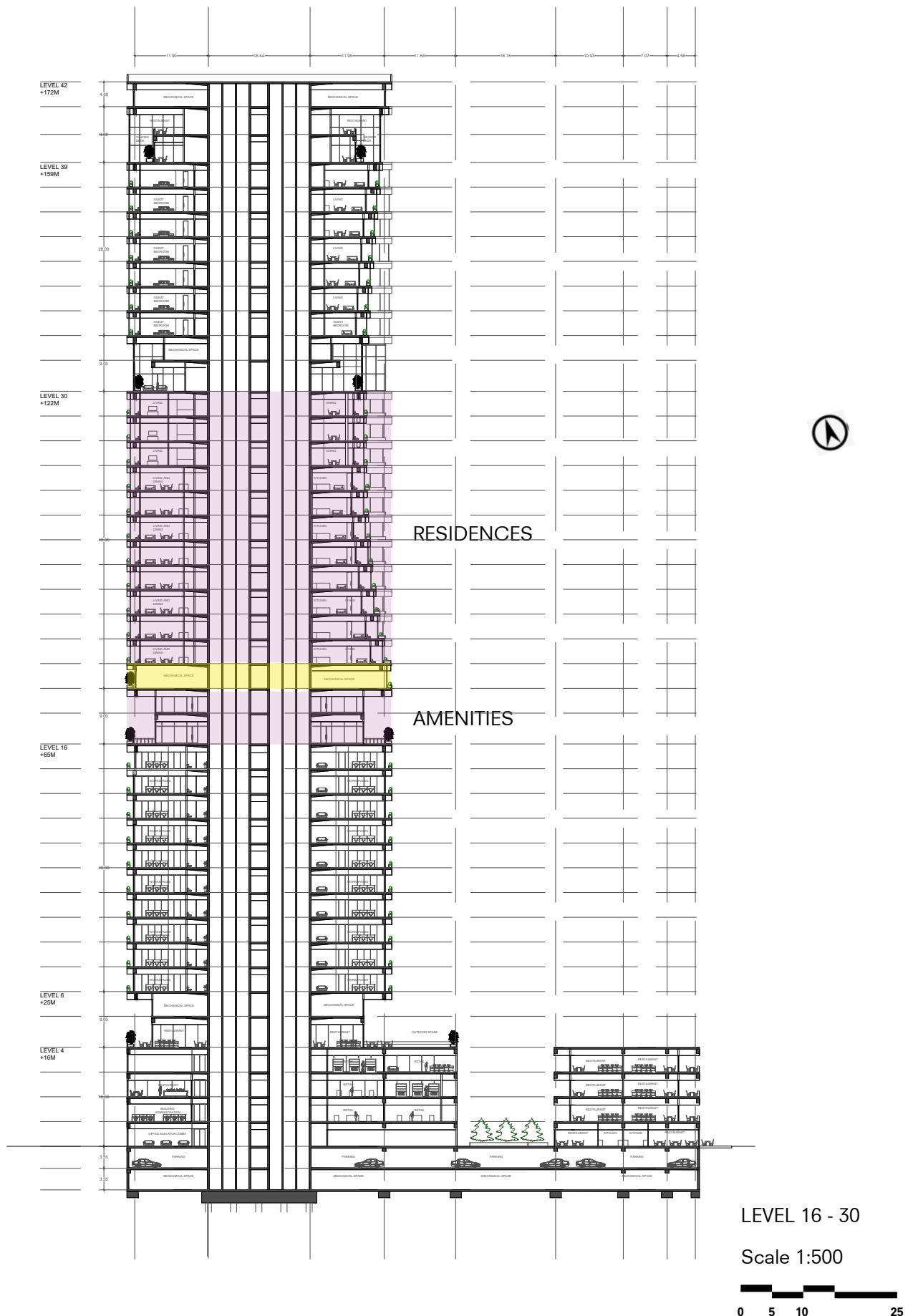
RESIDENCE

Urban implementation



Implementation

Section AA'



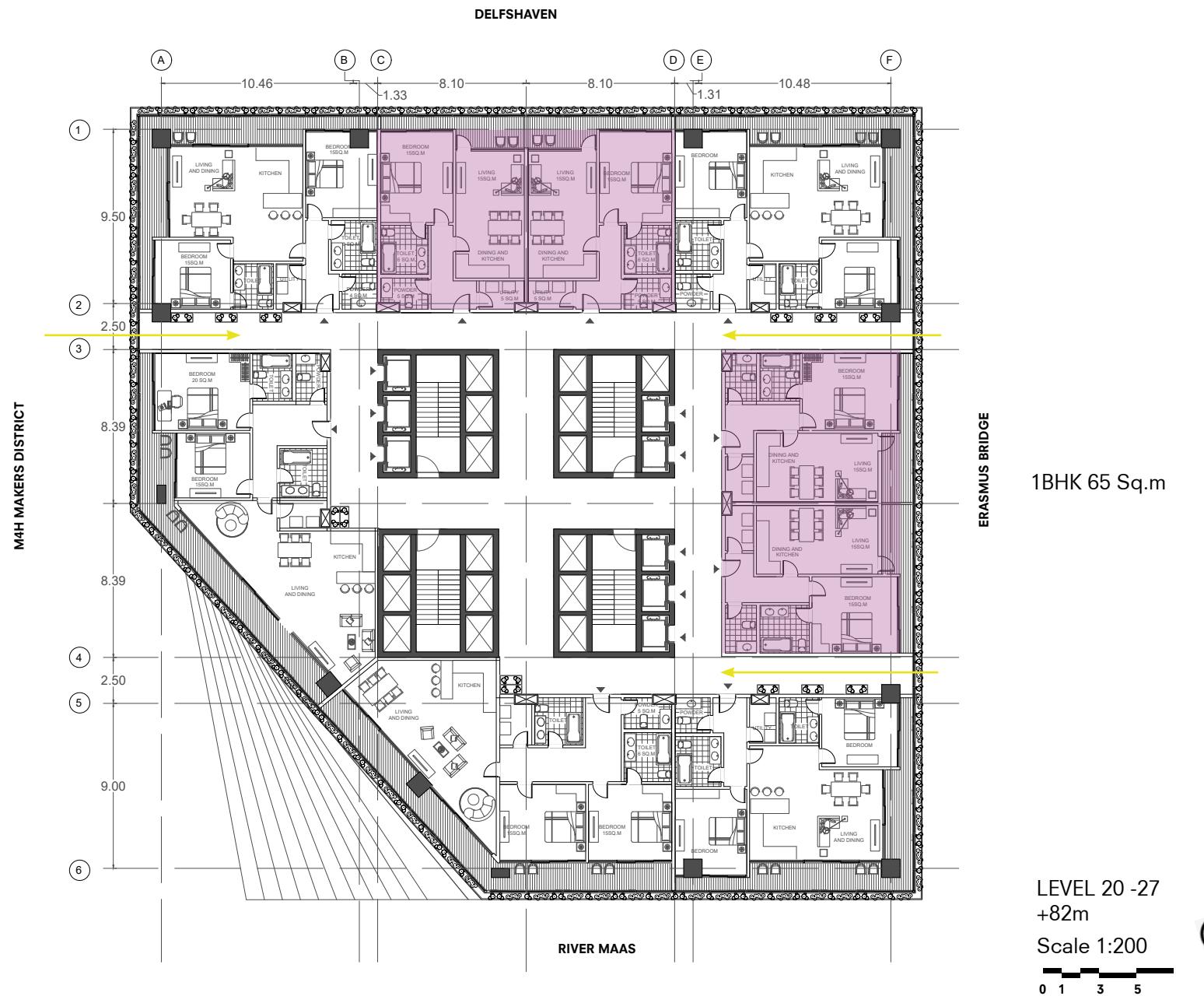
Floor plans

Typical Residential floor plan - A



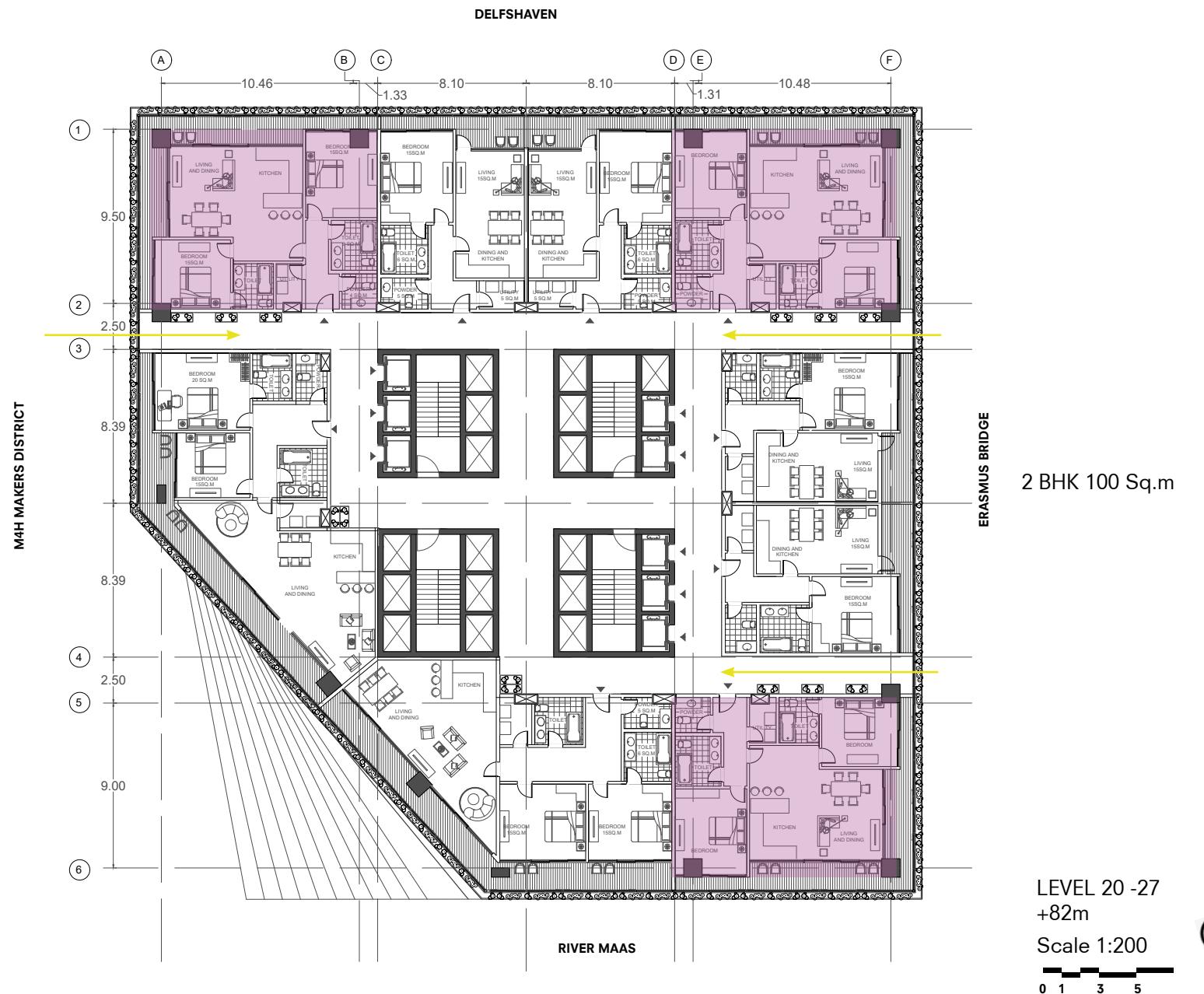
Floor plans

Typical Residential floor plan - A



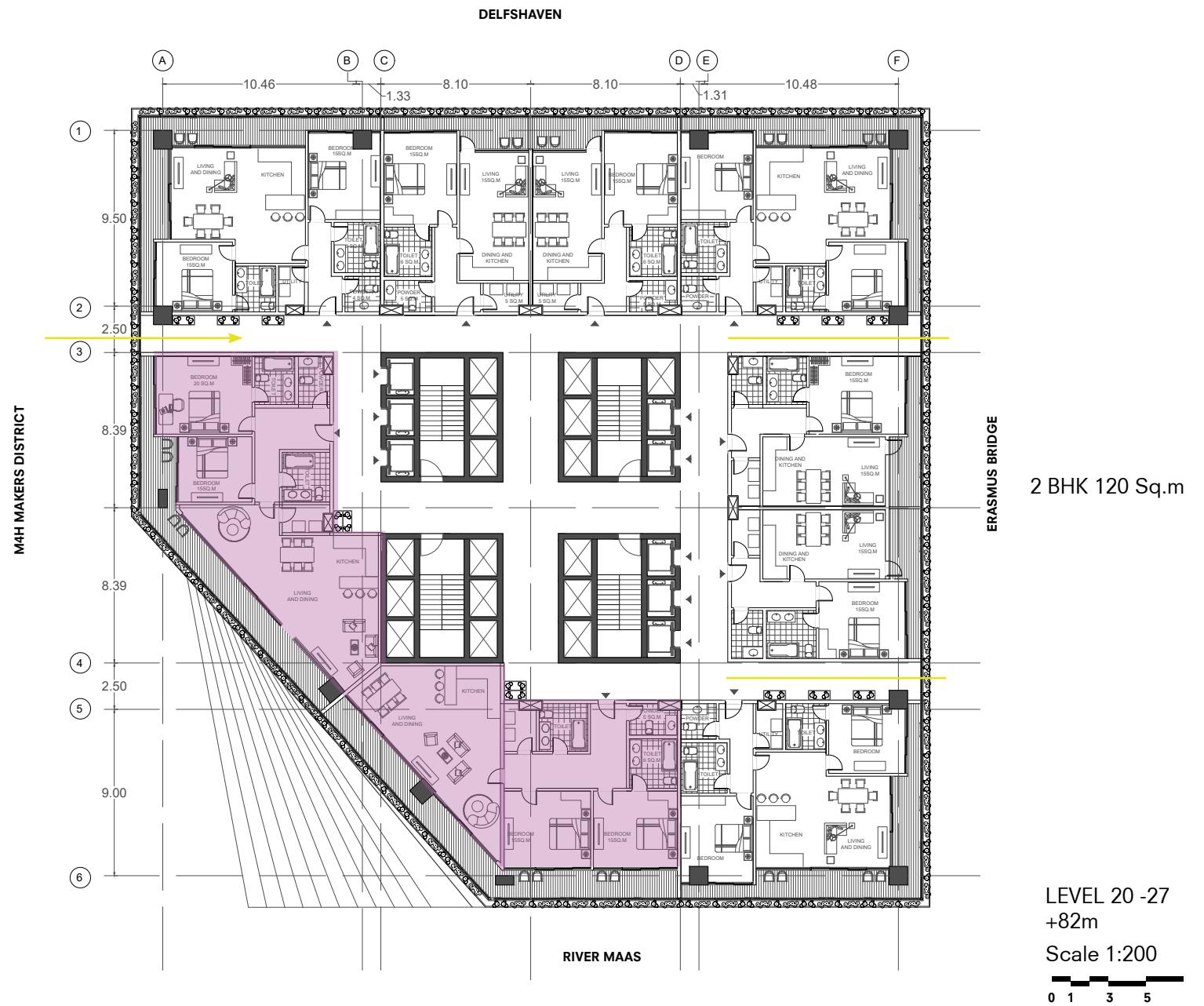
Floor plans

Typical Residential floor plan - A

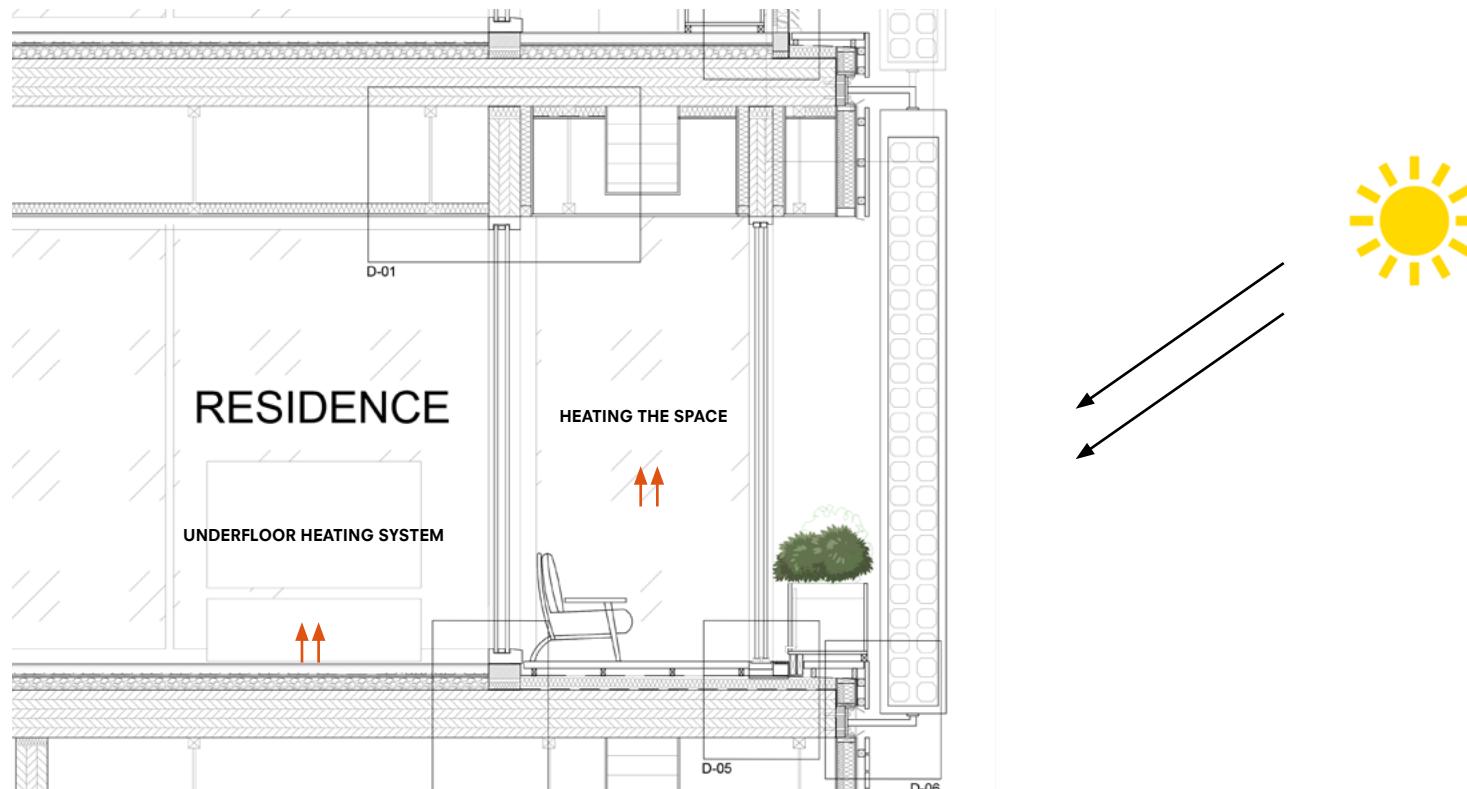


Floor plans

Typical Residential floor plan - A



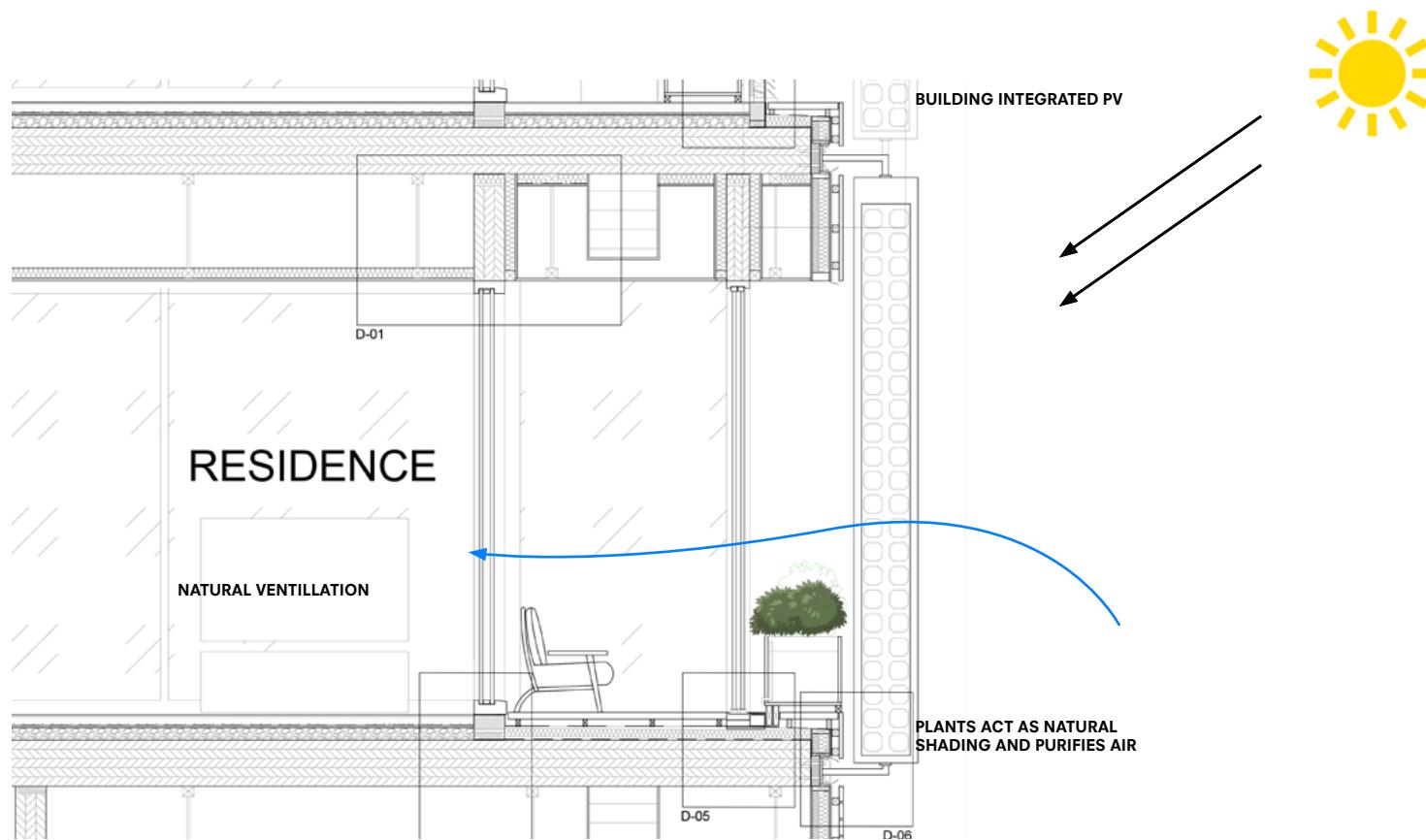
Typical Residential floor plan - A



WINTER TIME

Inbetween space preheats during winter
keeping the house warm

RESIDENTIAL FACADE

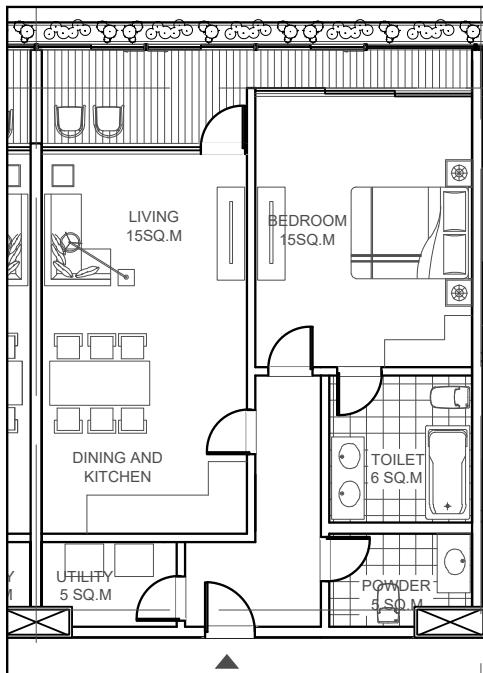


SUMMER TIME

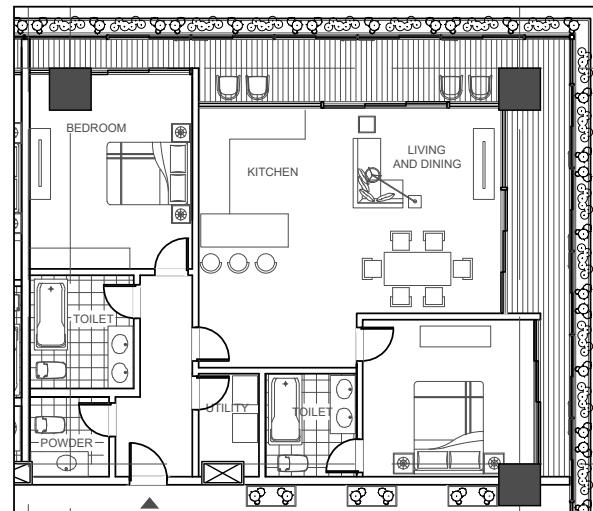
Can be opened up in summer to let
natural ventilation inside

Floor plans

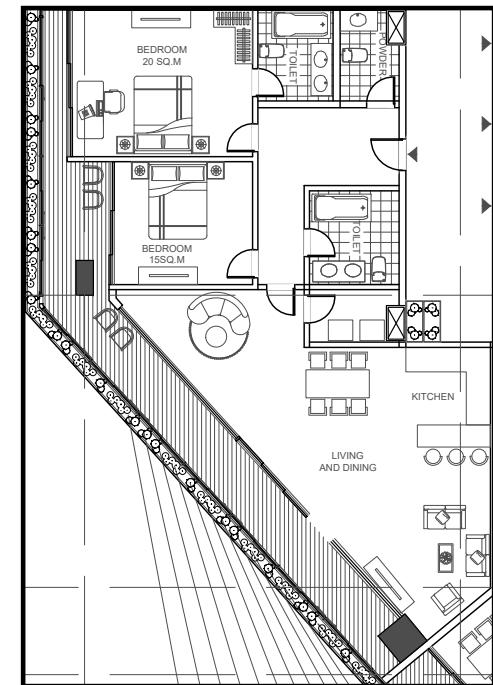
Typical Residential floor plan - A



DELFSHAVEN



ERASMUS BRIDGE



1BHK 65 Sq.m



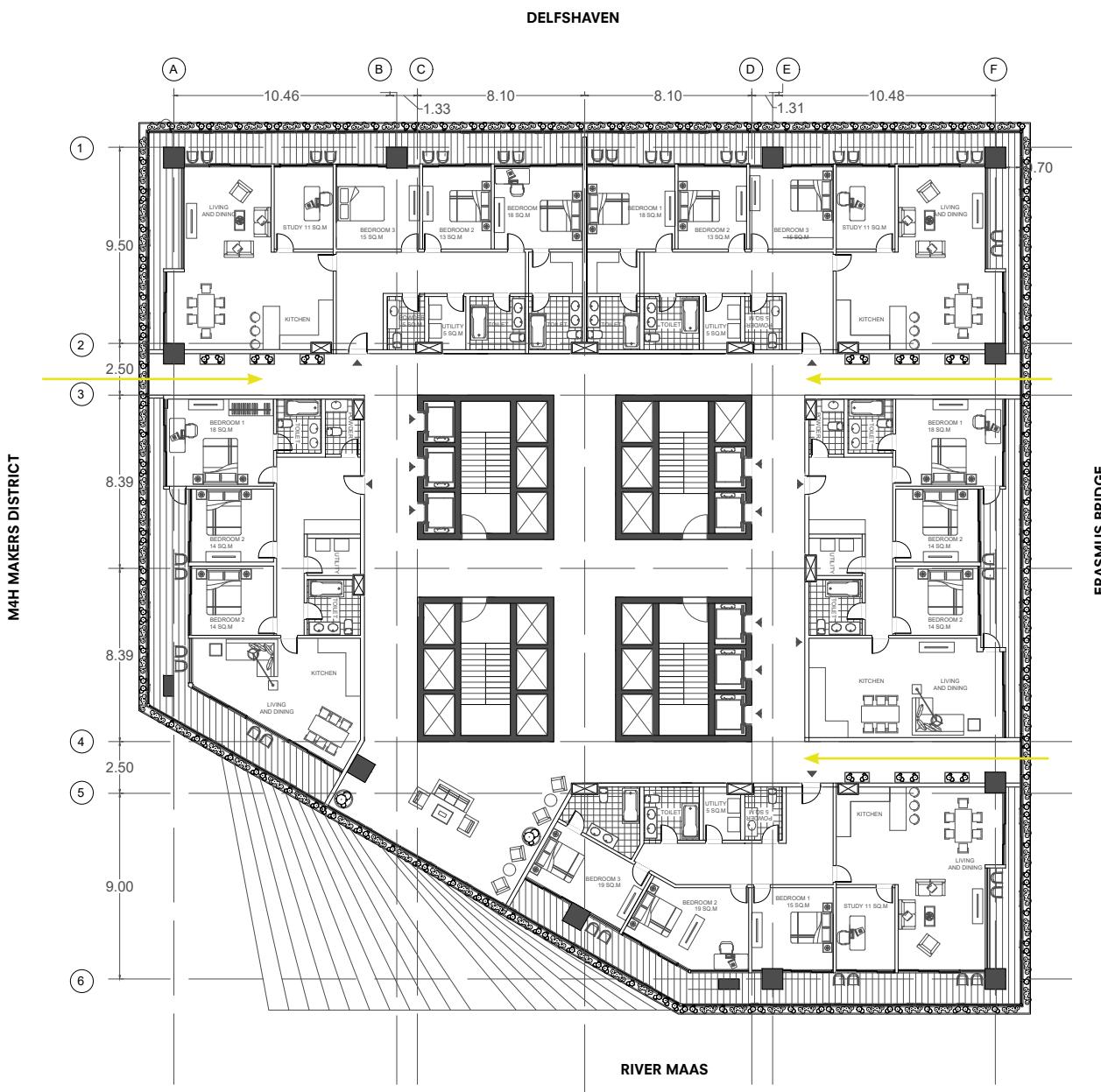
2BHK 100 Sq.m



2BHK 120 Sq.m

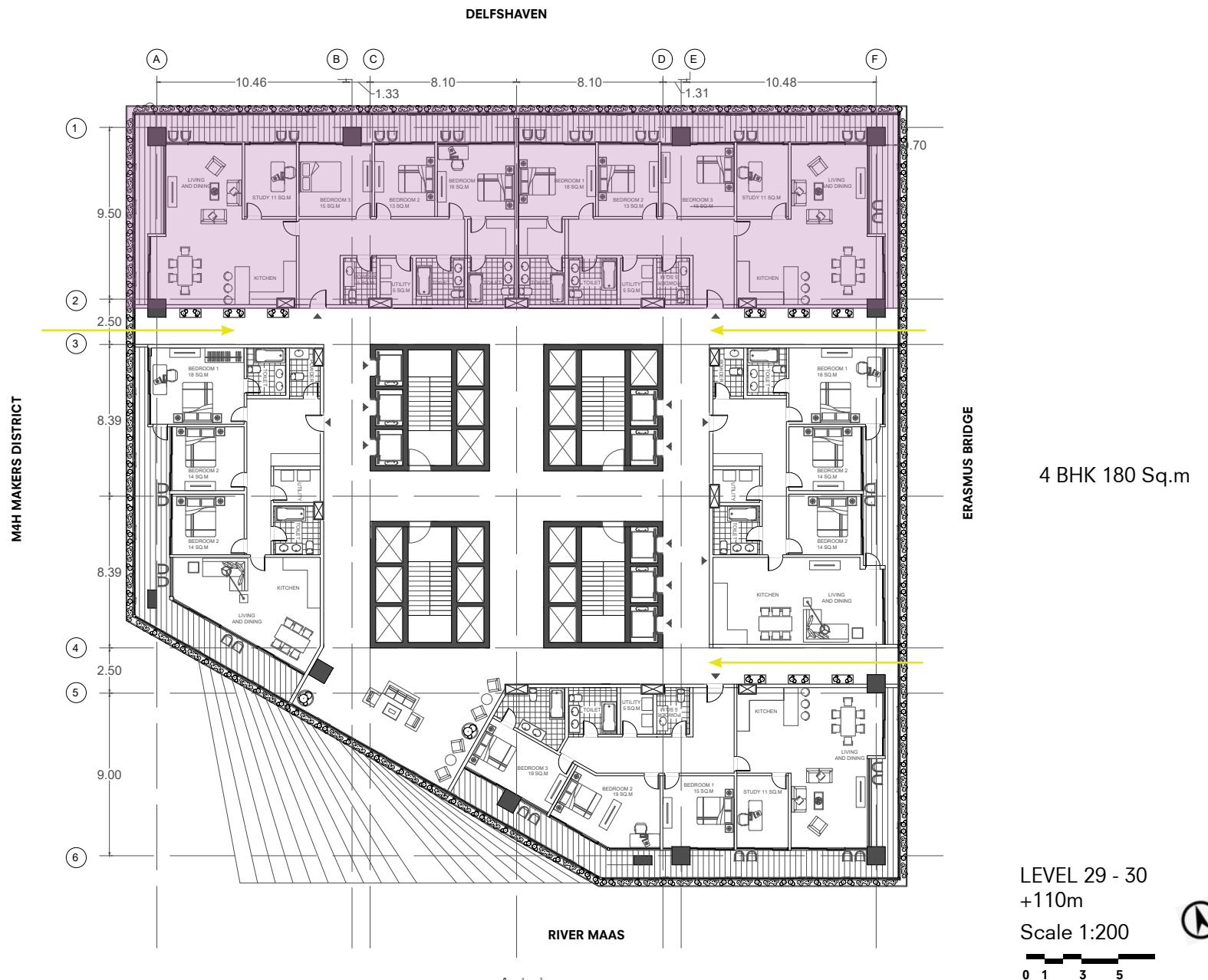
Floor plans

Typical Residential floor plan - B



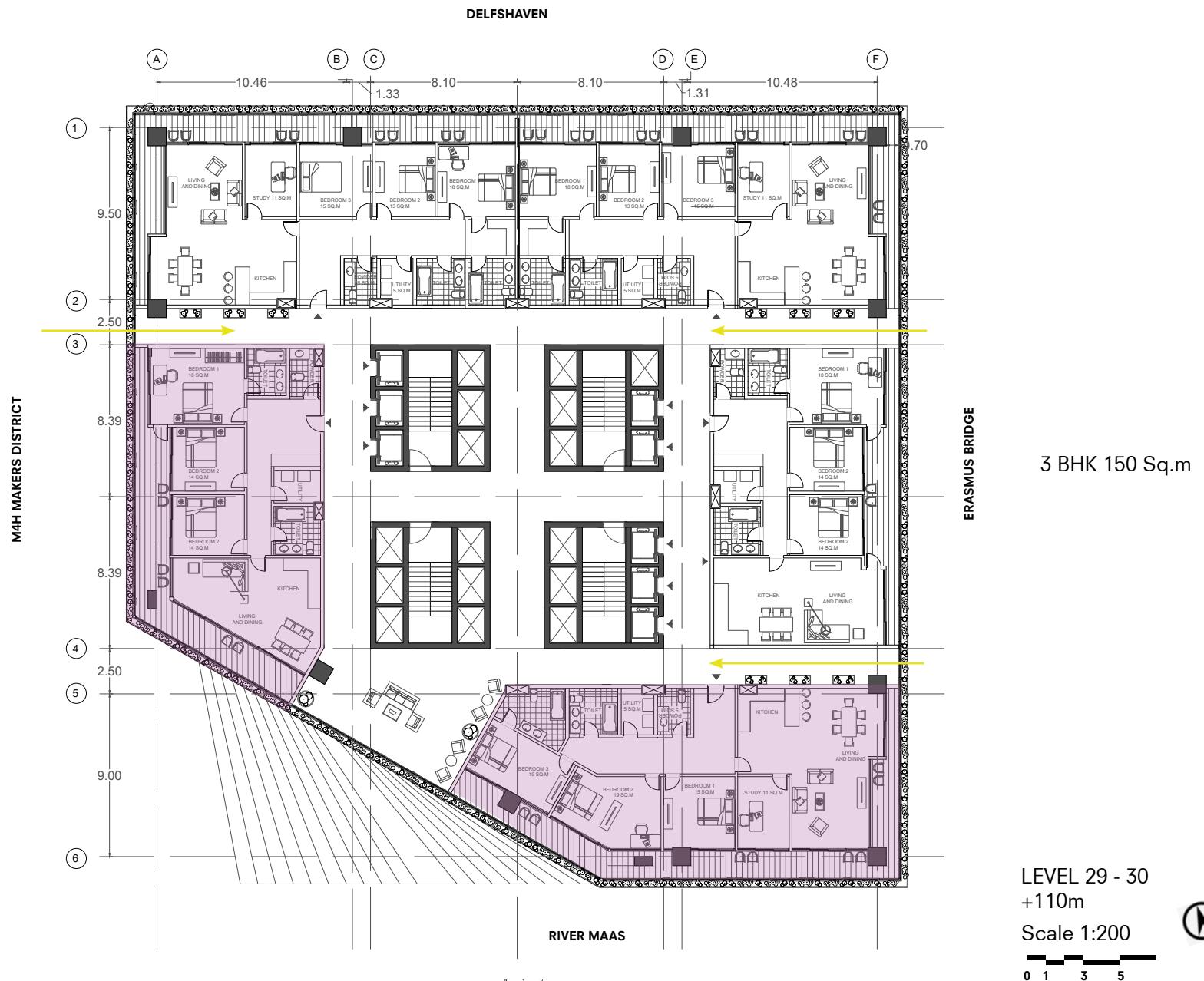
Floor plans

Typical Residential floor plan - B



Floor plans

Typical Residential floor plan - B



Floor plans

Typical Residential floor plan - B



4 BHK 180 Sq.m



3BHK 150 Sq.m

Luxury apartments

Living room - render



Residence Living Room

Implementation

Residence Void



Residence void Steps

Floor plans

Residence Void



LEVEL 29 - 30
+110m

Scale 1:200



0 1 3 5

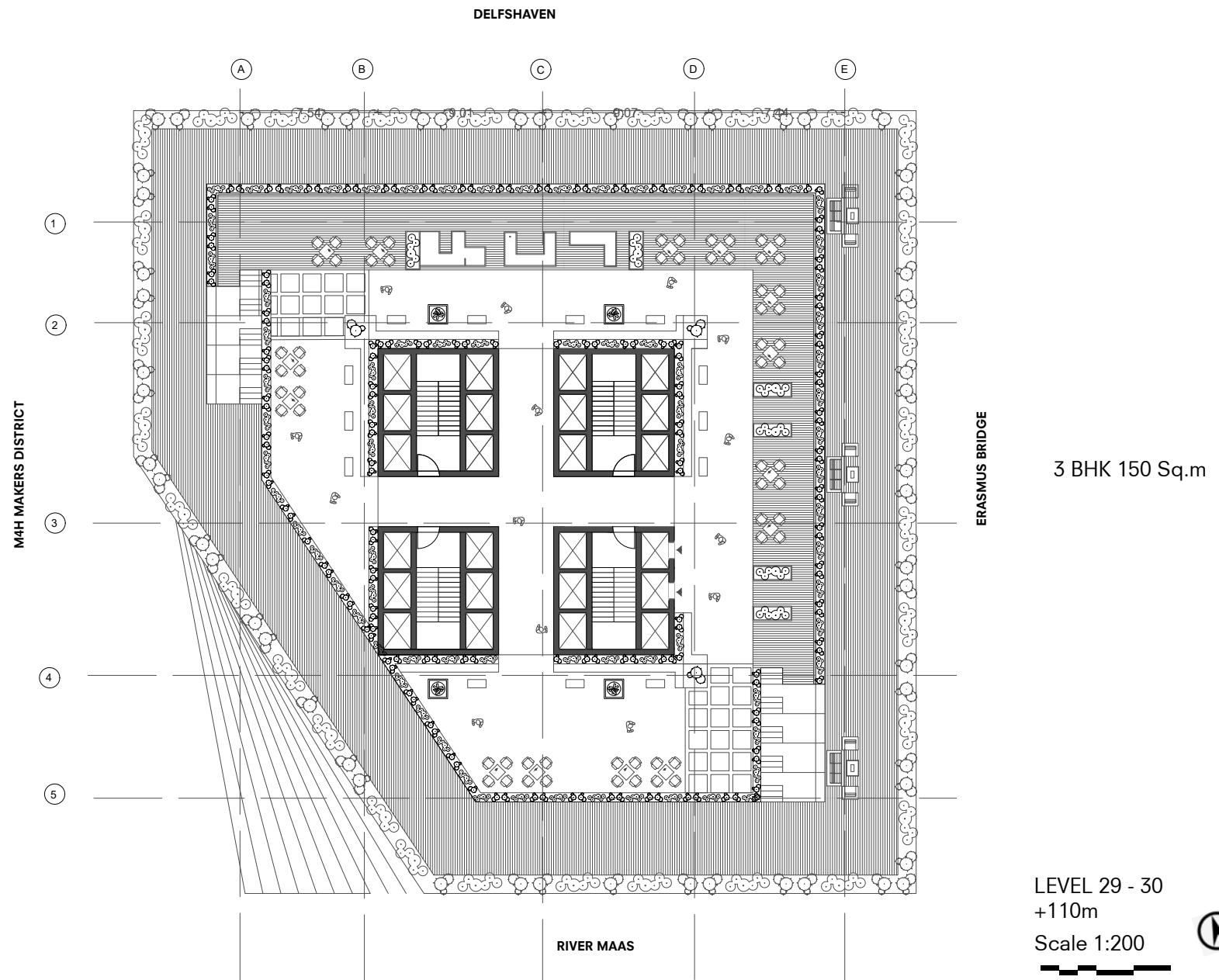
Residence Void



Residence void interior

Floor plans

Residence Void



Implementation

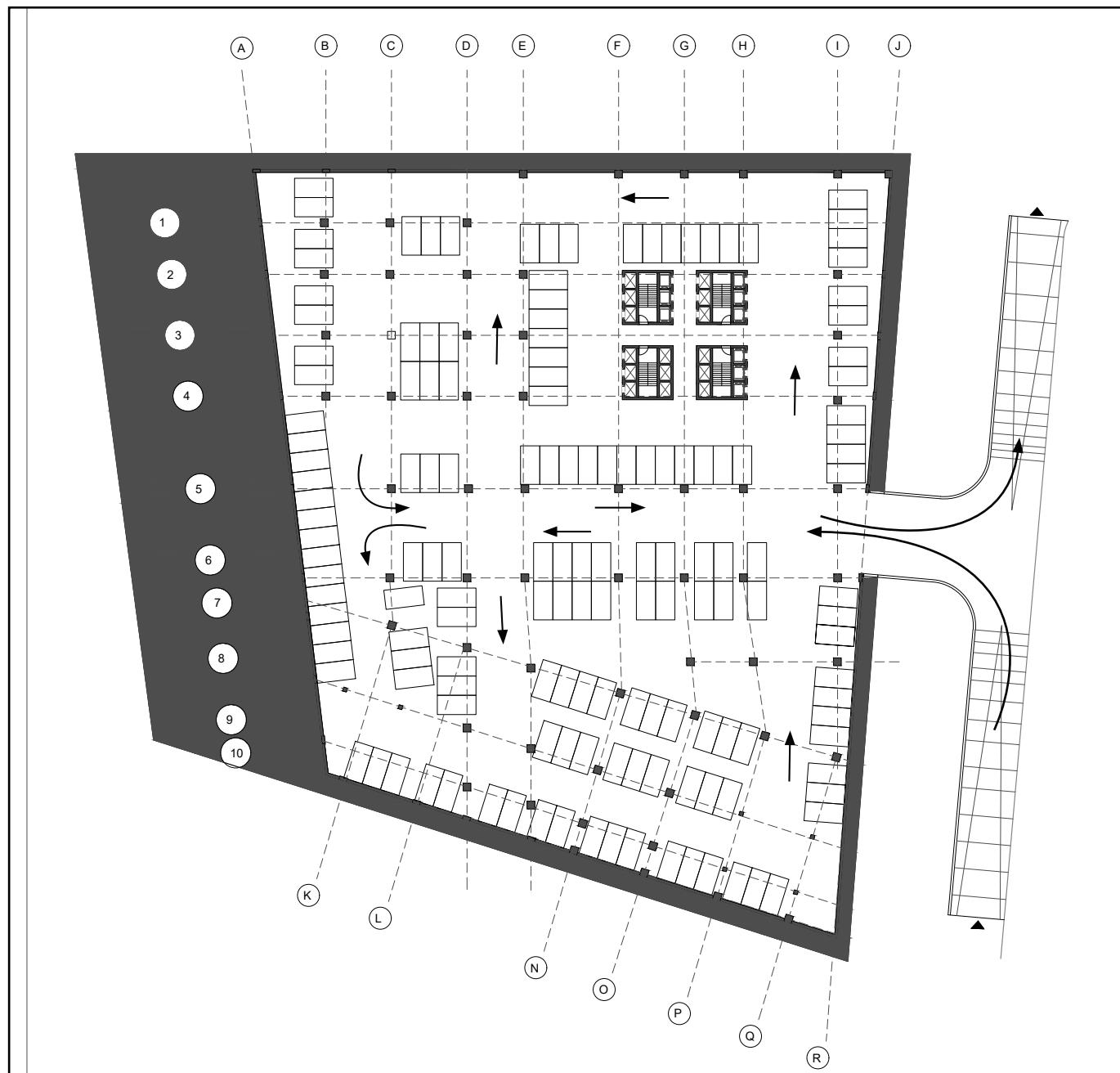
Residence Void



Residence void Steps

Floor plans

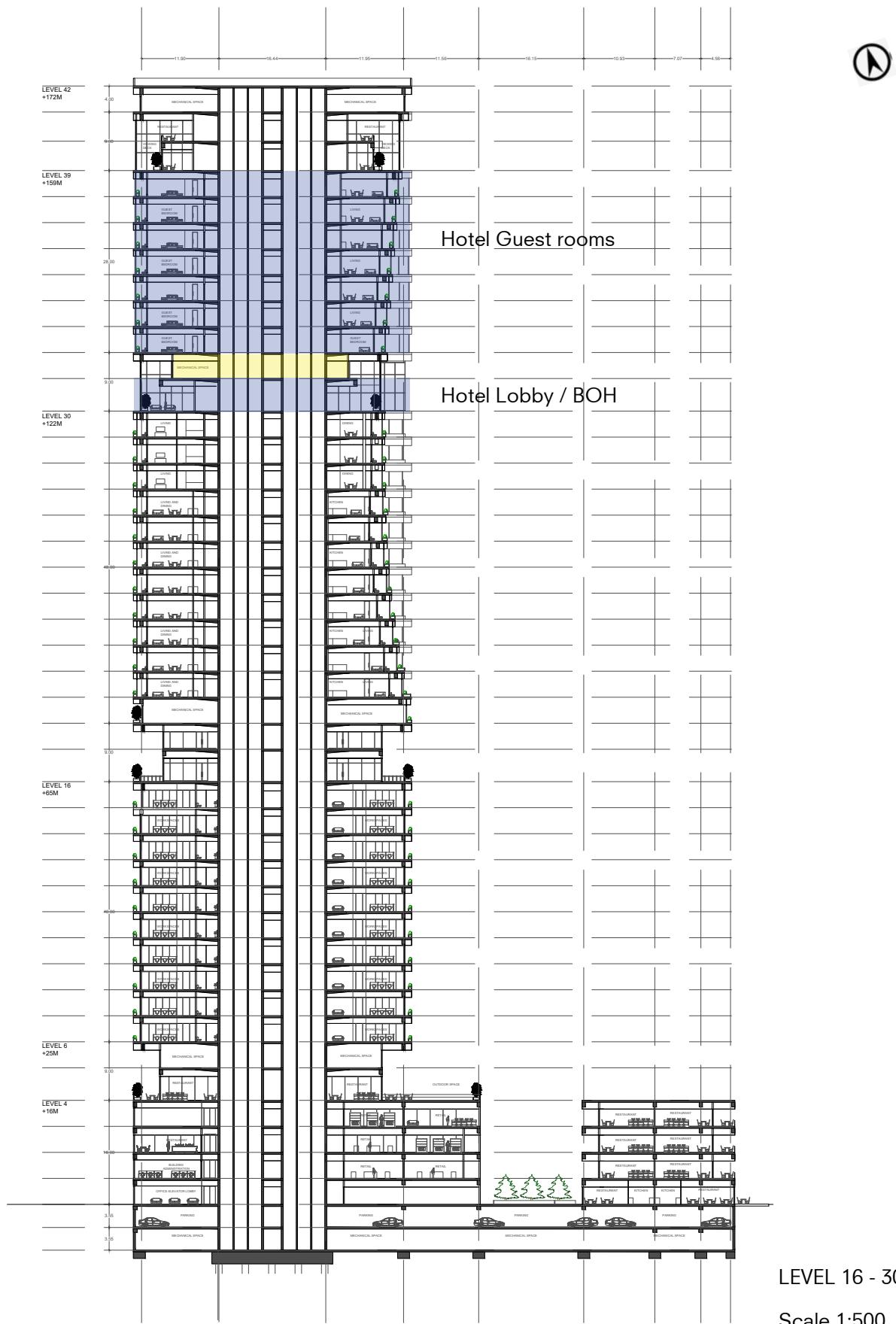
Parking



HOTEL



Section AA'



Hotel Lobby



Hotel Lobby

Floor plans

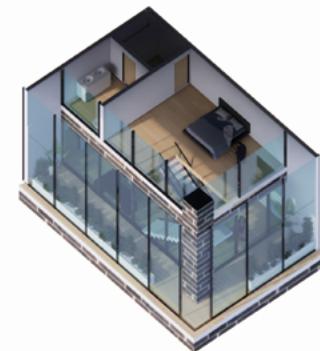
Hotel Room types



Standard room
35 - 40 Sq.m



Suite room 60 Sq.m



Corner suite 80 Sq.m



Presidential Suite
100 Sq.m

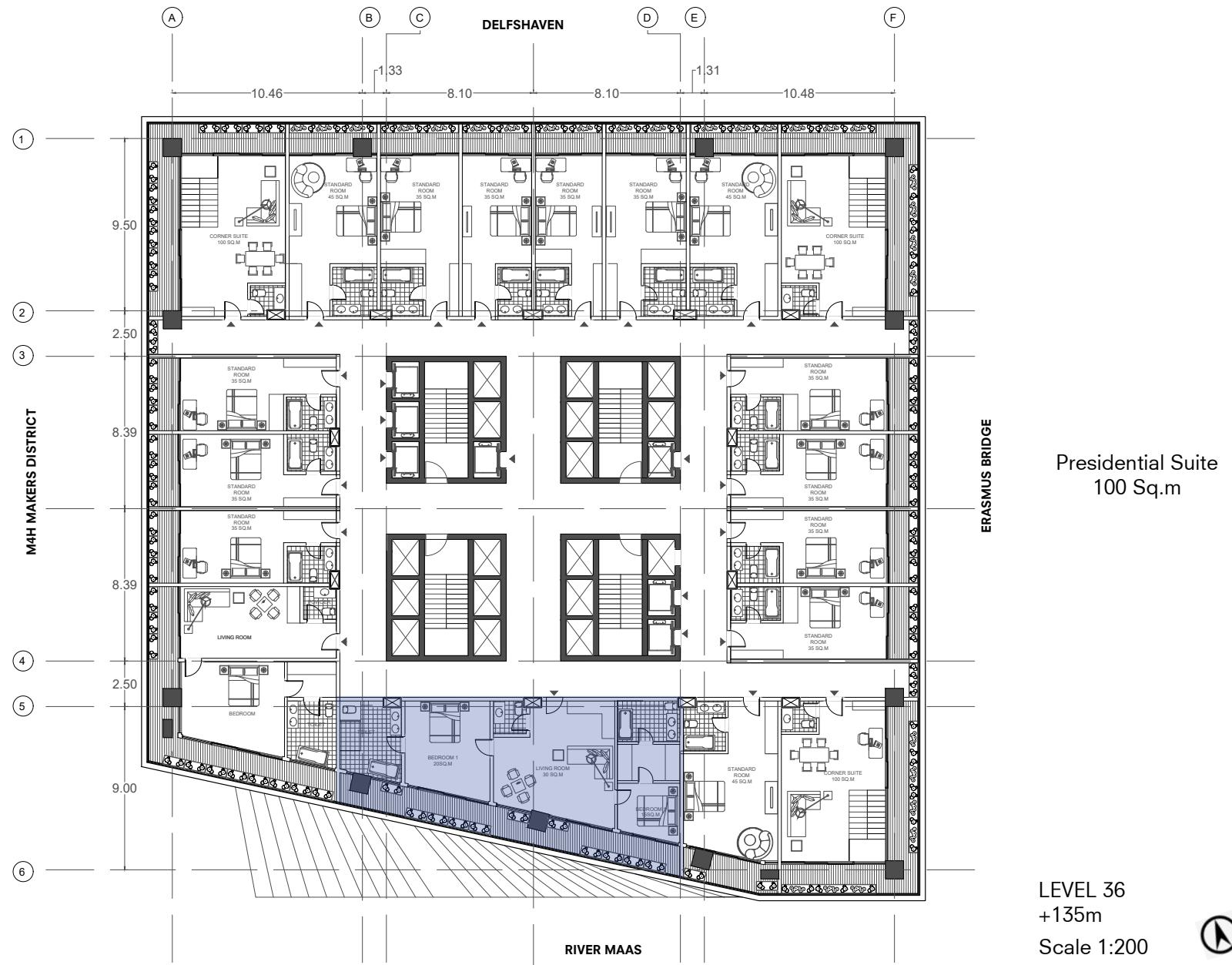
Floor plans

Typical Hotel floor plan - A



Floor plans

Typical Hotel floor plan - A



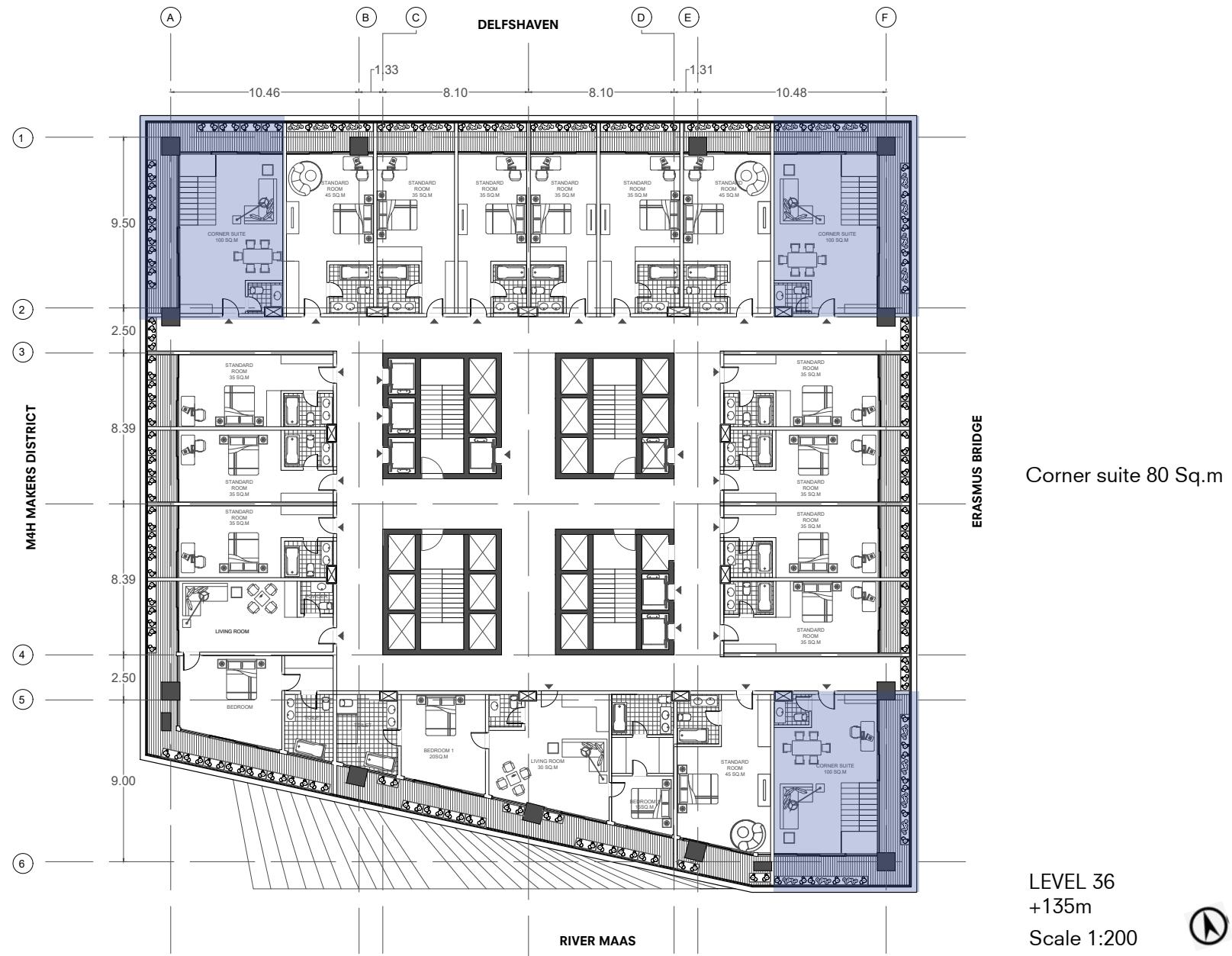
Presidential Suite
100 Sq.m

LEVEL 36
+135m

Scale 1:200

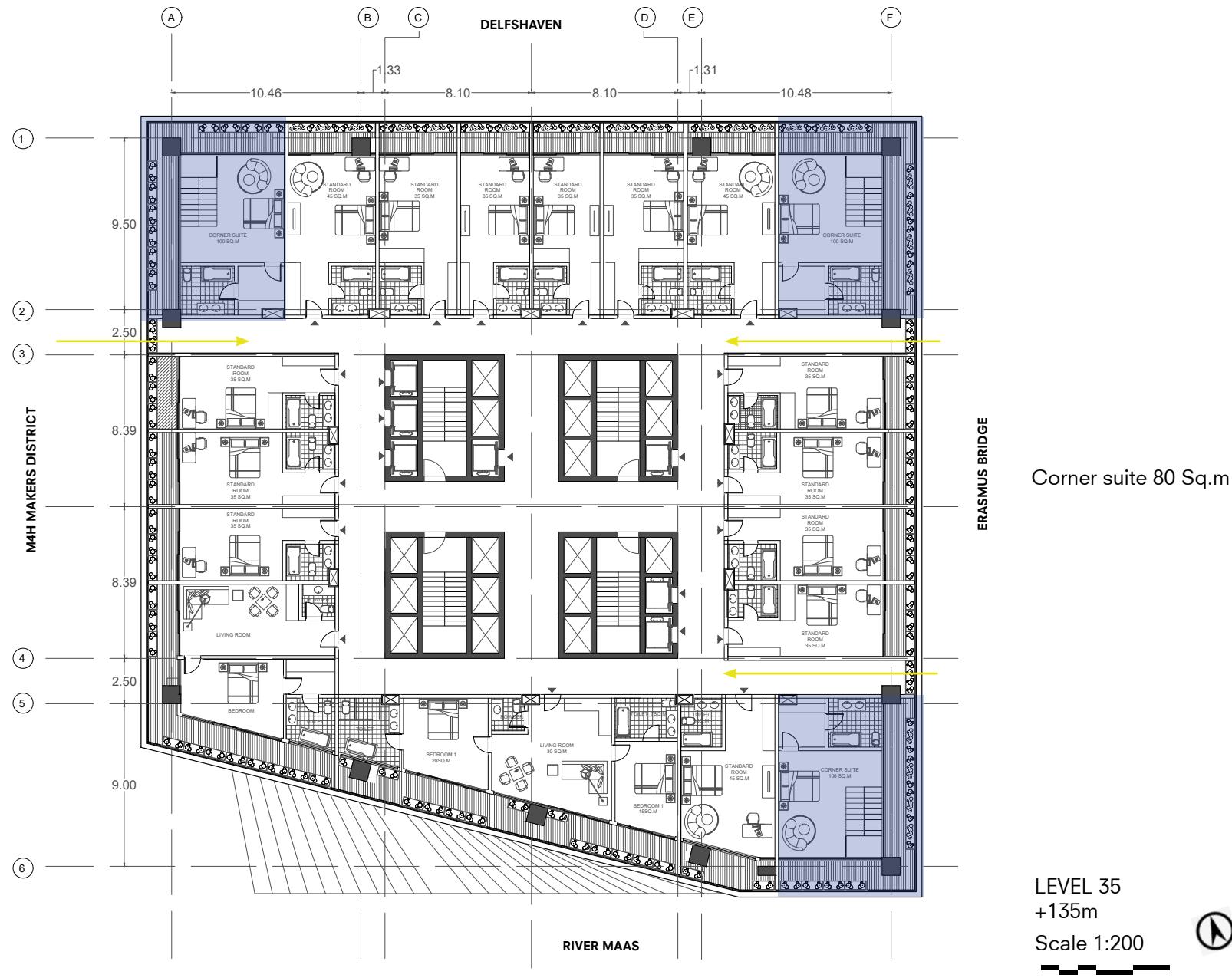
Floor plans

Typical Hotel floor plan - A



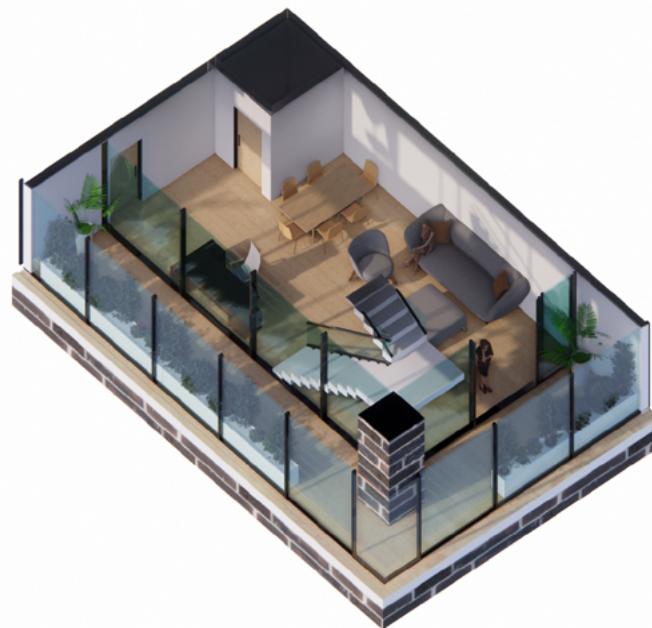
Floor plans

Typical Hotel floor plan - B



Floor plans

Corner Suite



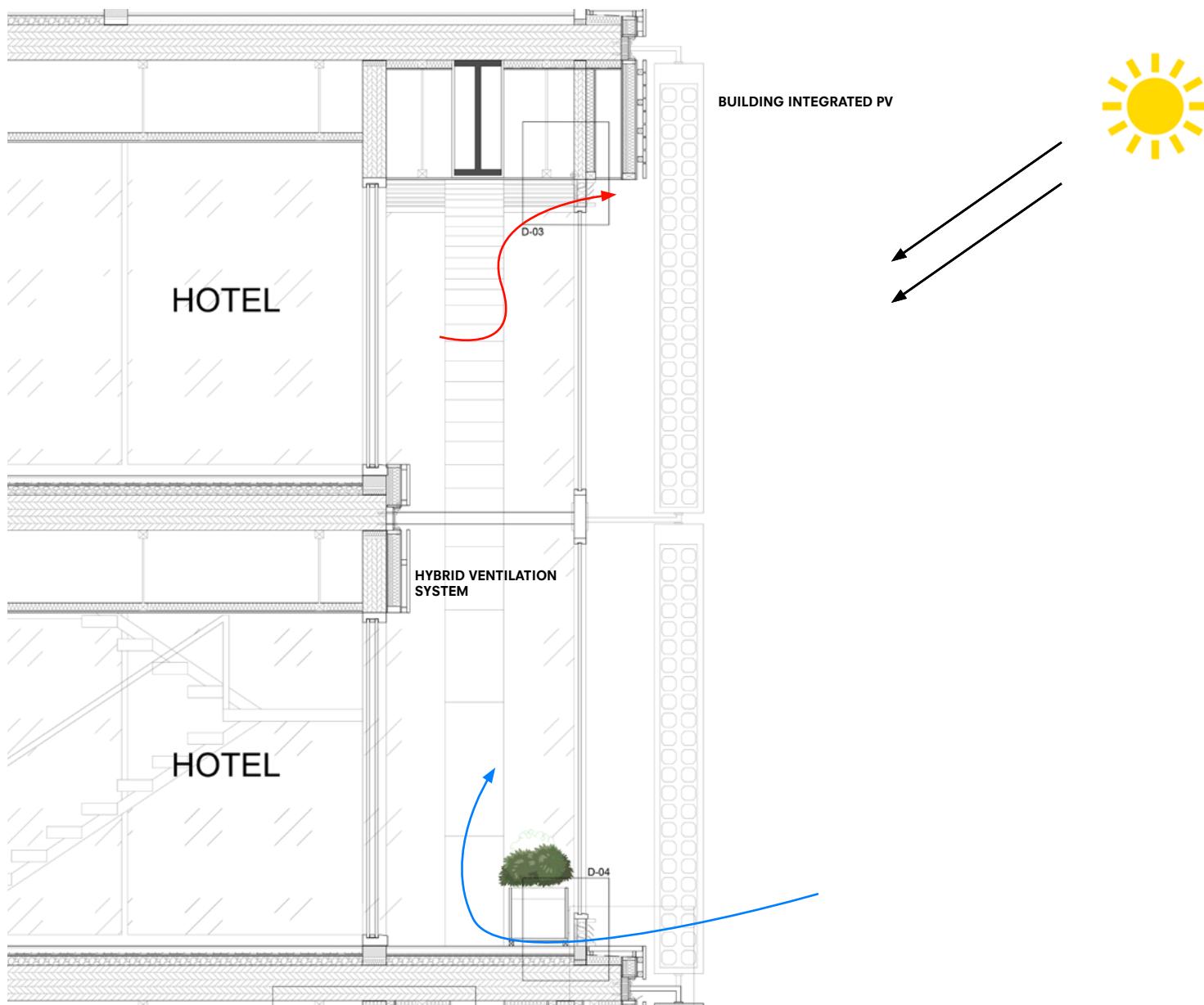
Level - A



Lower level - B

Contextual Corner
suite 80 Sq.m

HOTEL FACADE



Hotel



**Corner room - Lower
floor**

Hotel

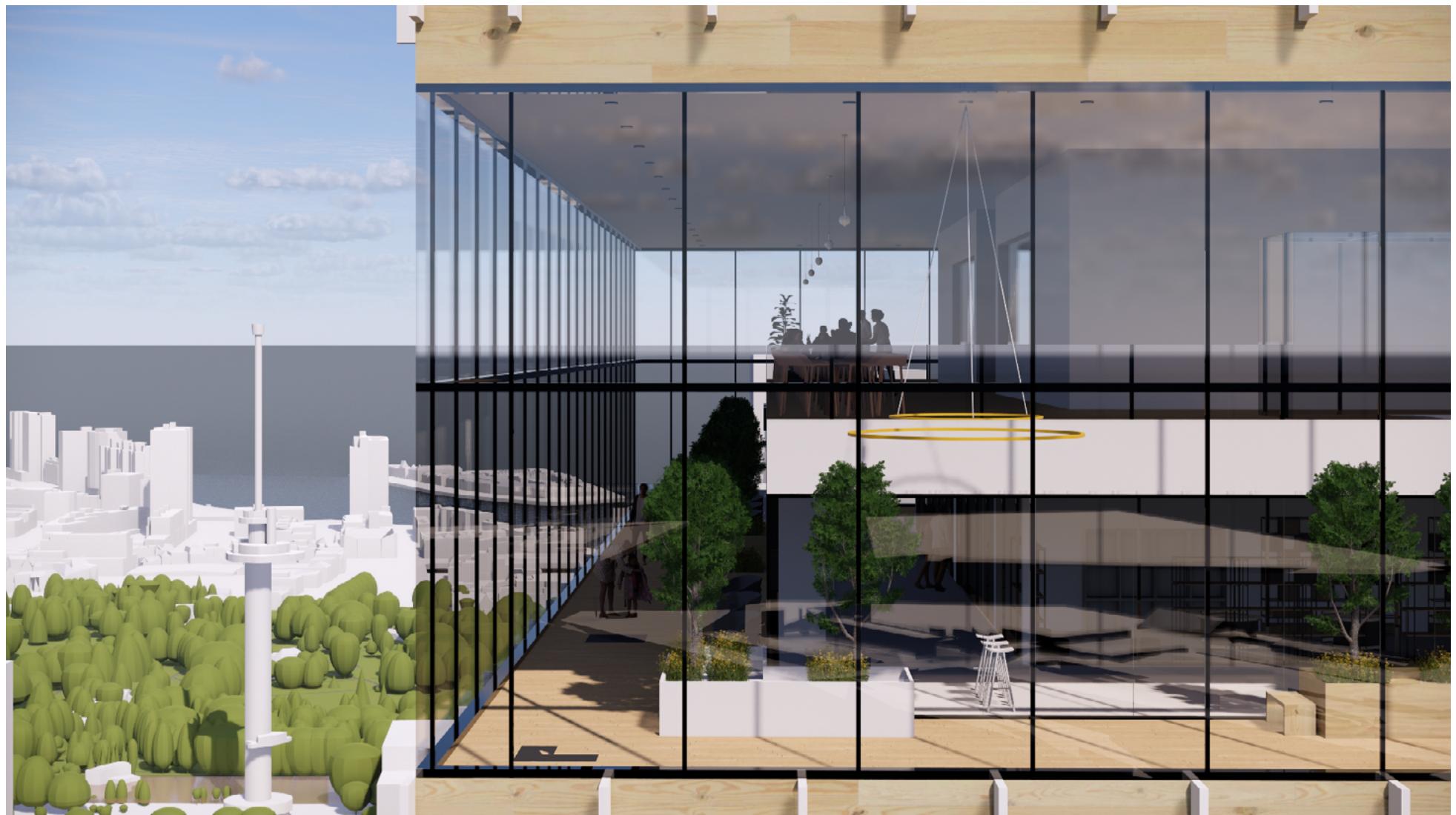


**Corner room - Upper
floor**

VIEWING DECK

Implementation

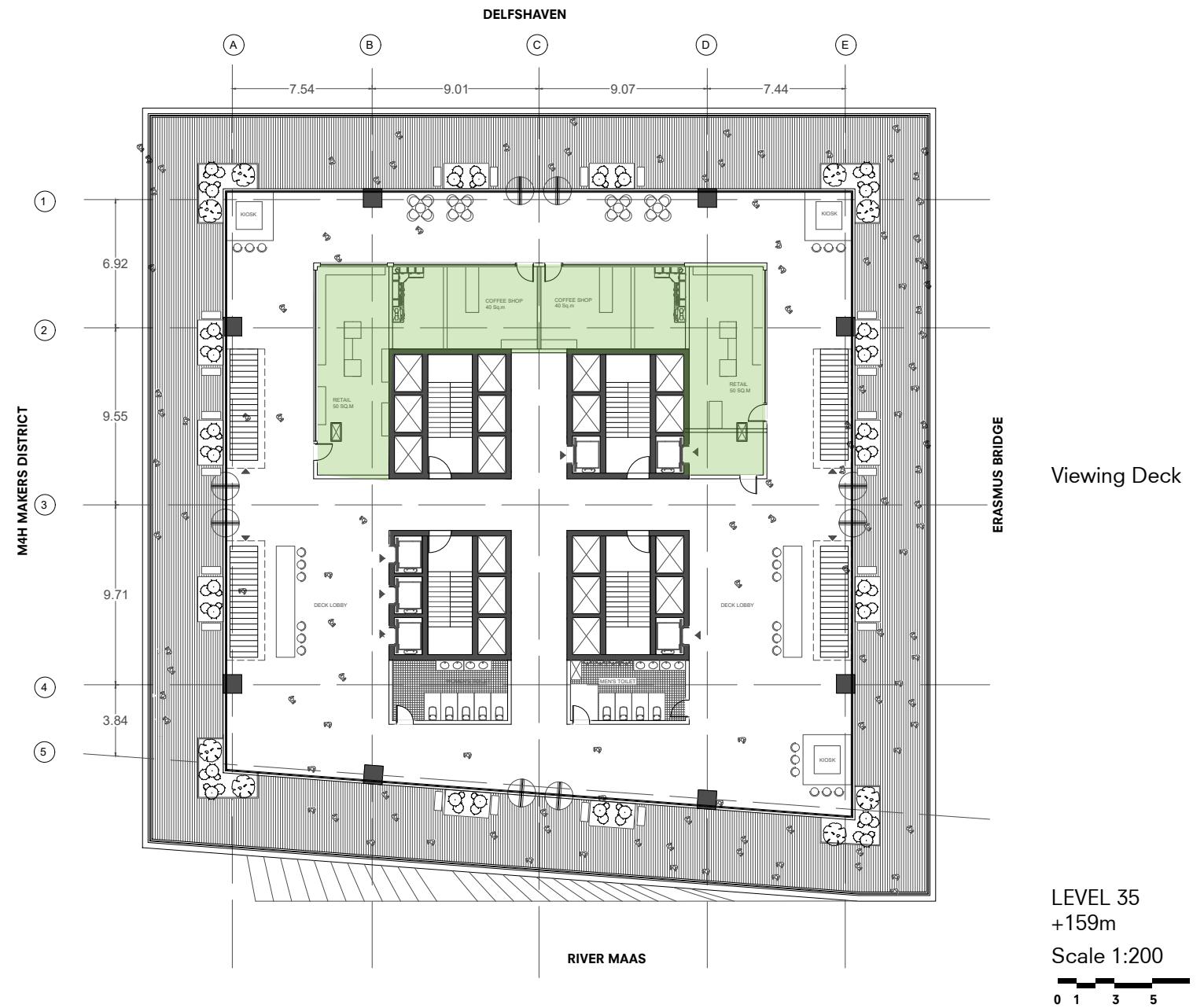
Public Void



Public Viewing Deck

Floor plans

Public Void



Implementation

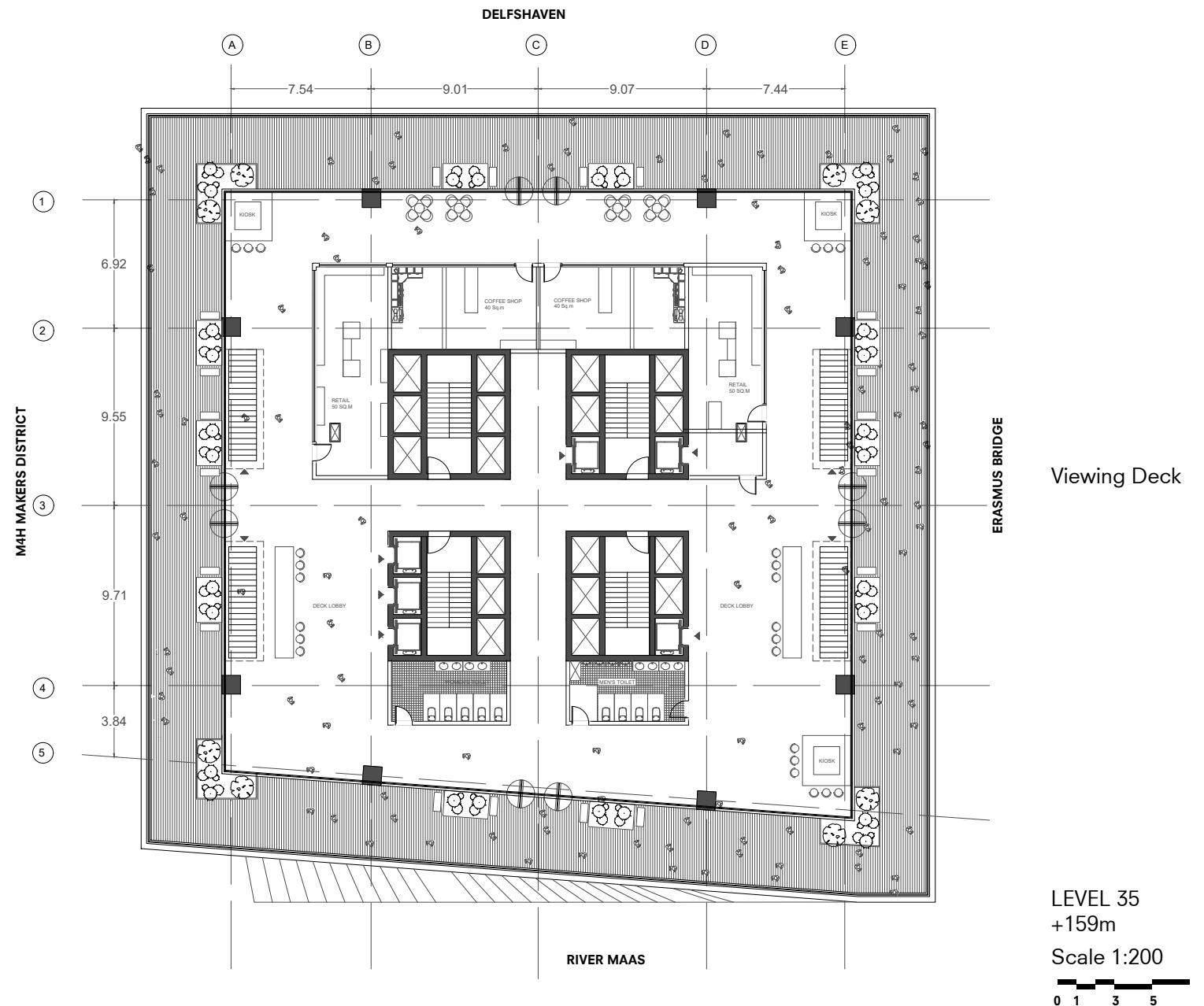
Public Void



Gift and Coffee shops

Floor plans

Public Void



Implementation

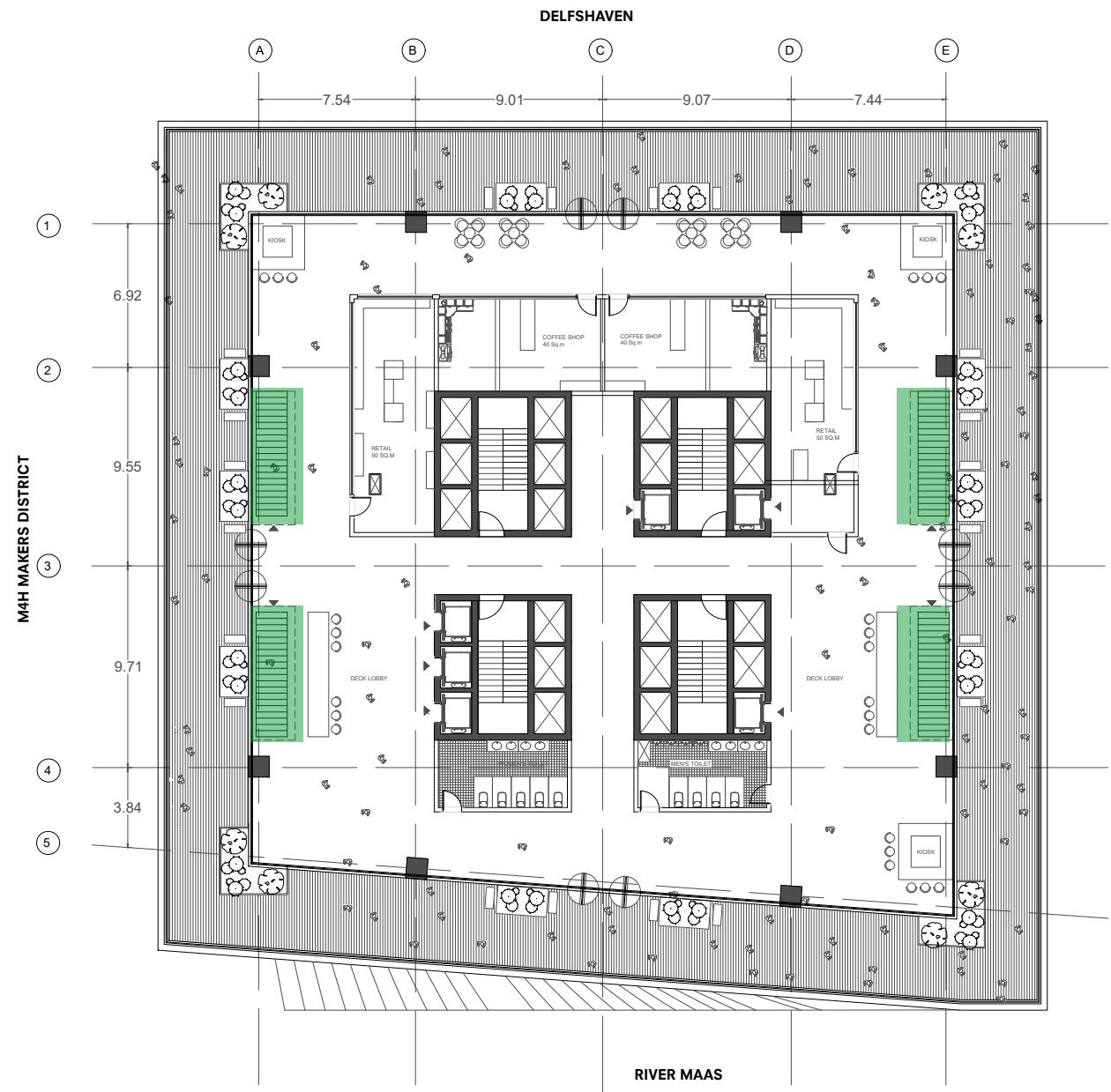
Public Void



Viewing Deck

Floor plans

Public Void



LEVEL 35
+159m
Scale 1:200



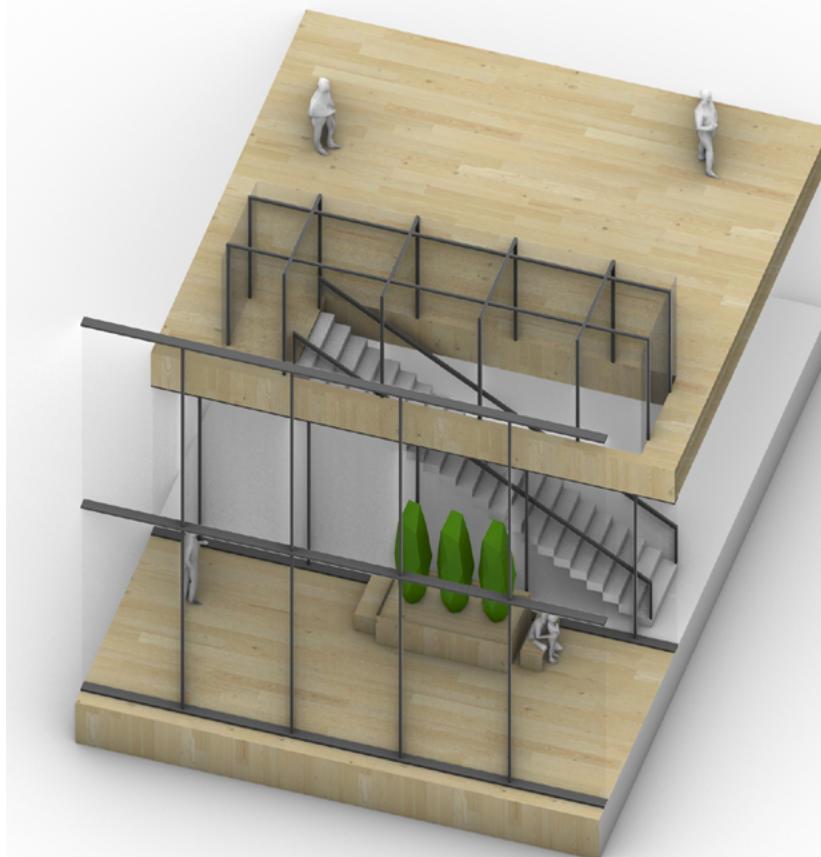
Presentation title



Hotel New York

Floor plans

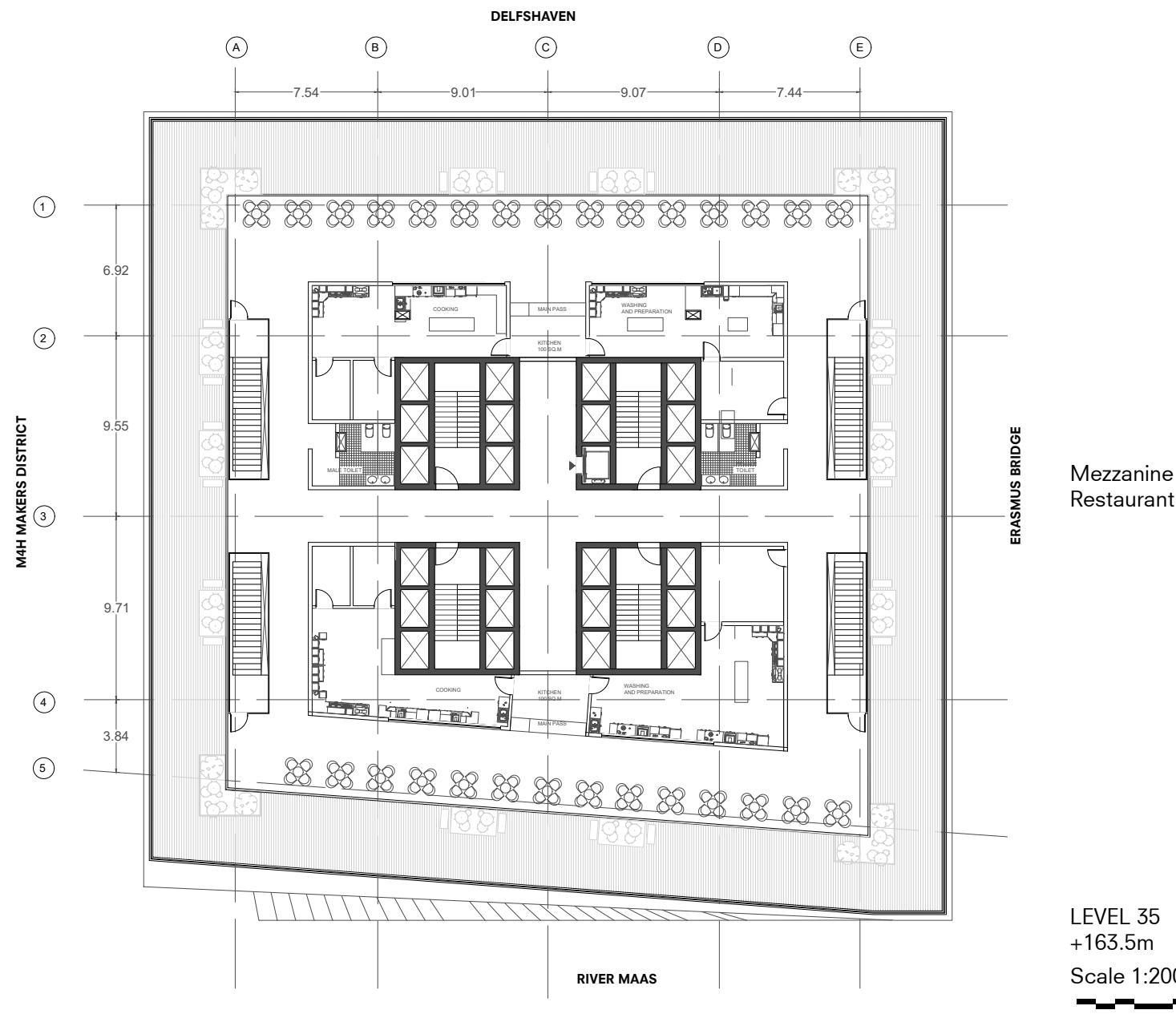
Public Void



Lower level - B

Floor plans

Public Mezzanine



Floor plans

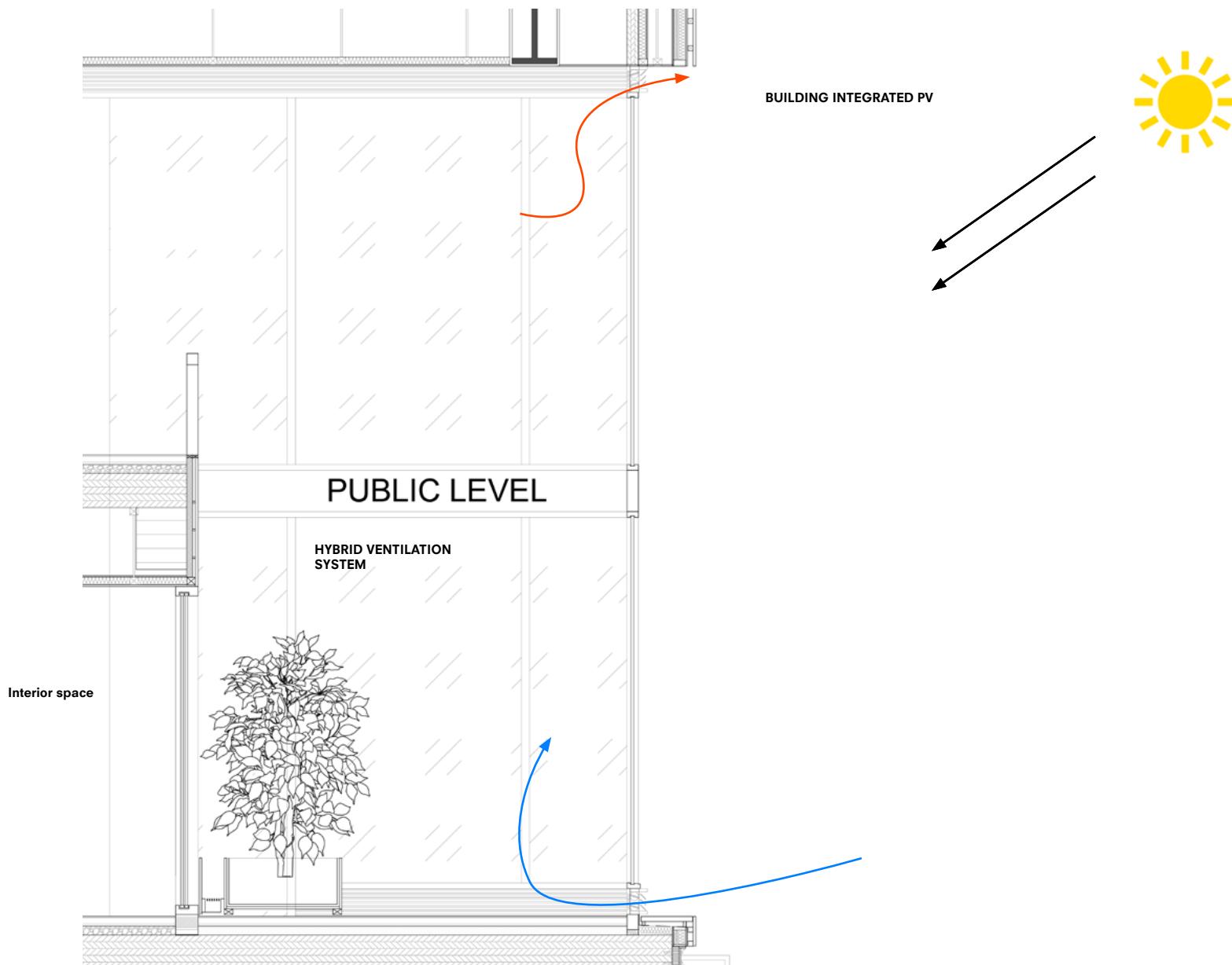
Public Void



Gift and Coffee shops

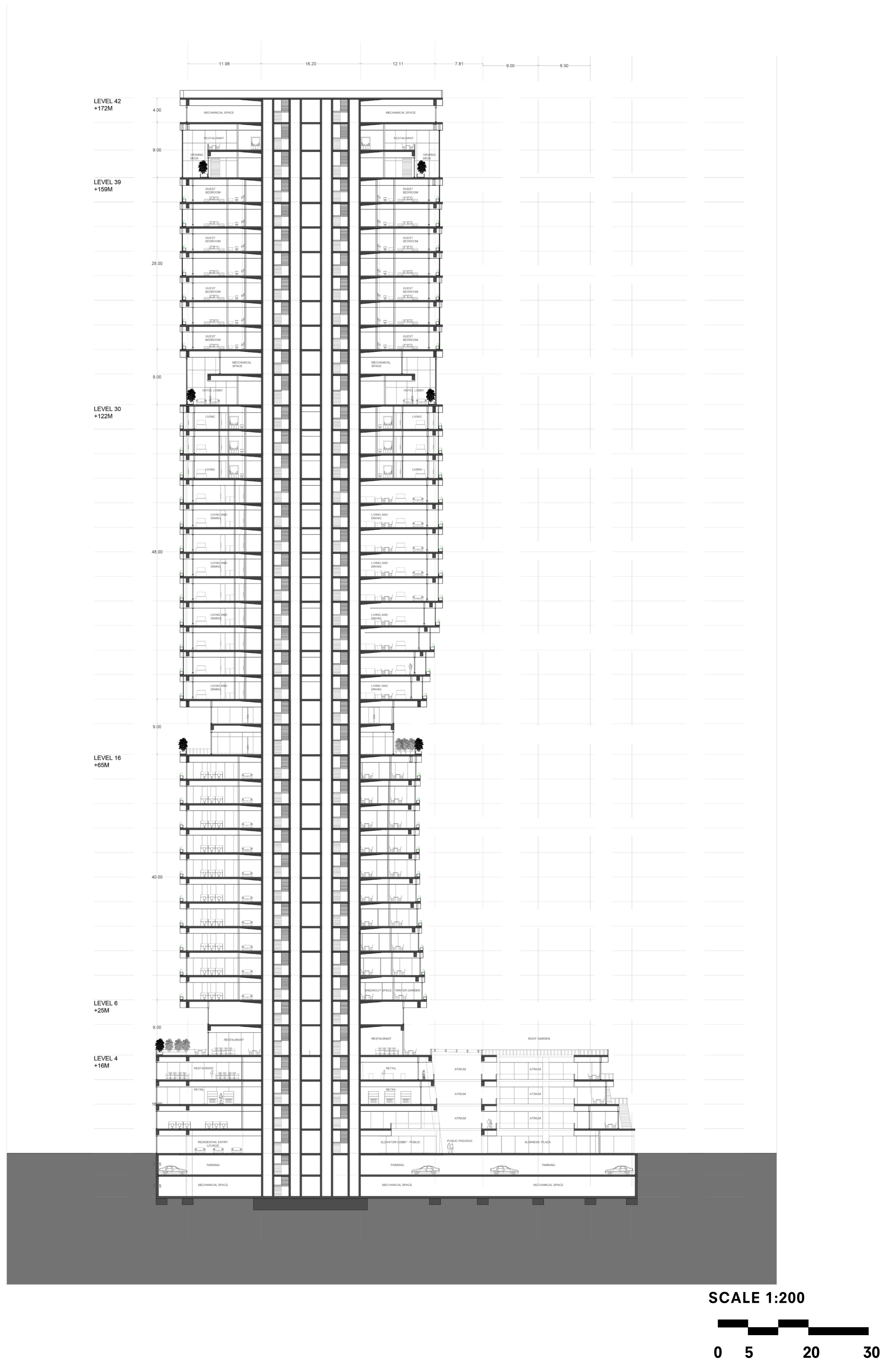
Floor plans

Public Void



Implementation

Section BB'



Introduction

Research

Design Brief

Project Concept

Implementation

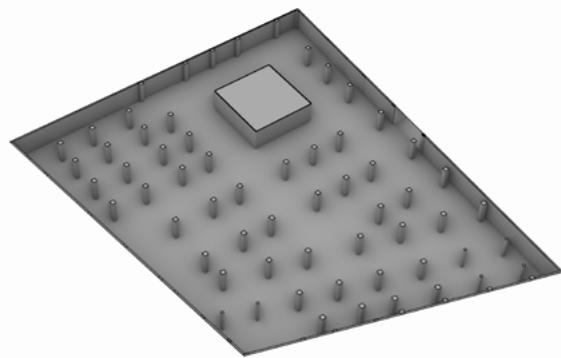
Development

Conclusion

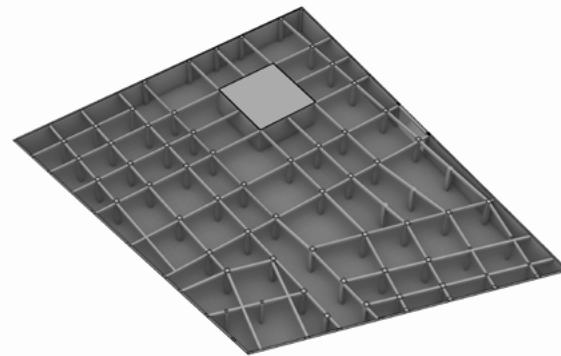
INDEX

Development

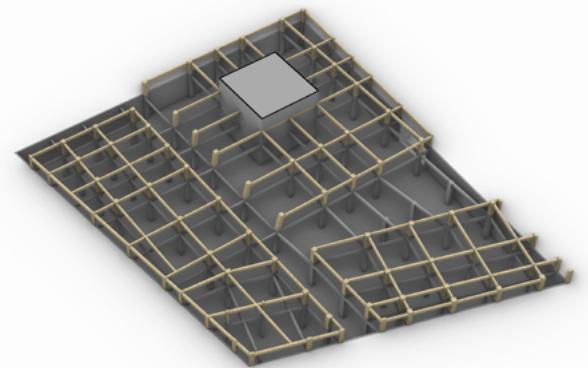
Construction



Concrete Base & Foundation

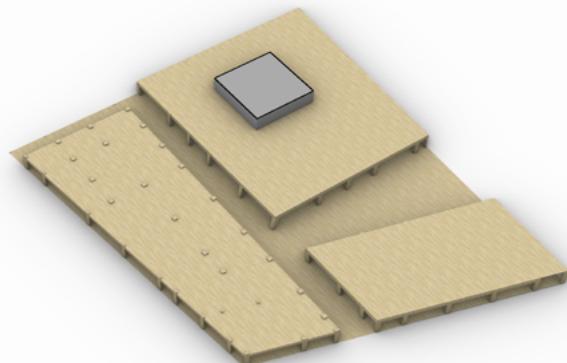


Concrete Beams & Columns

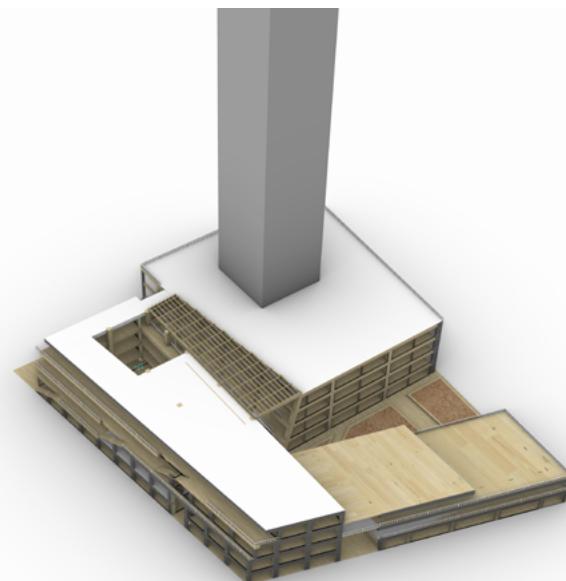


Transition to Glulam columns

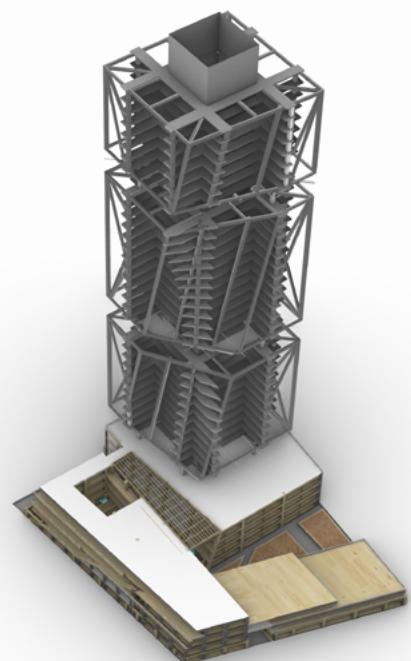
Construction



CLT floors supported by Glulam columns and beams



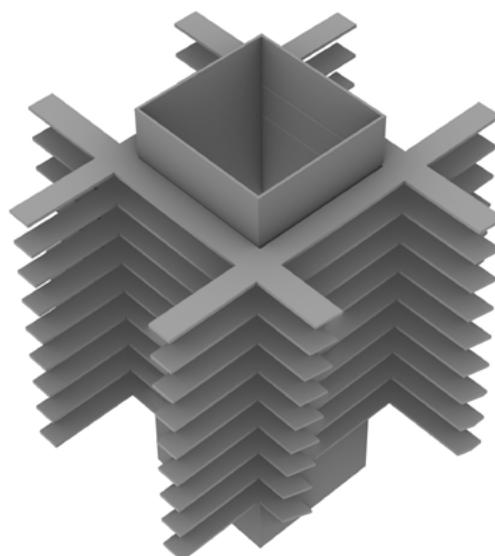
Podium structure construction and core



Individual blocks anchored to the main core

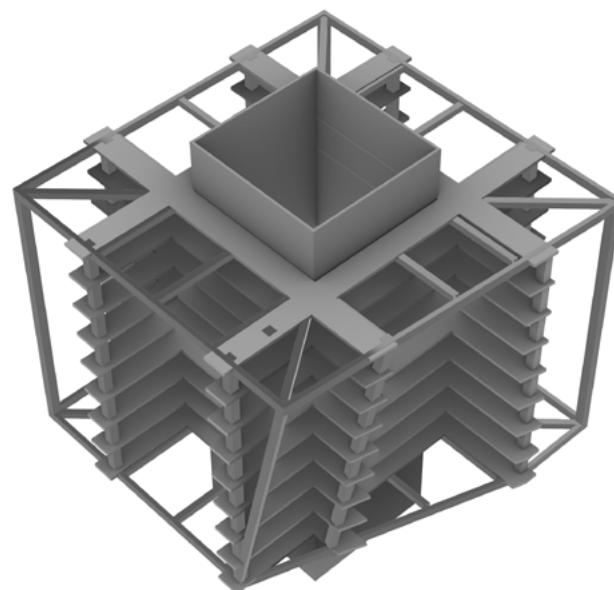
Development

Construction



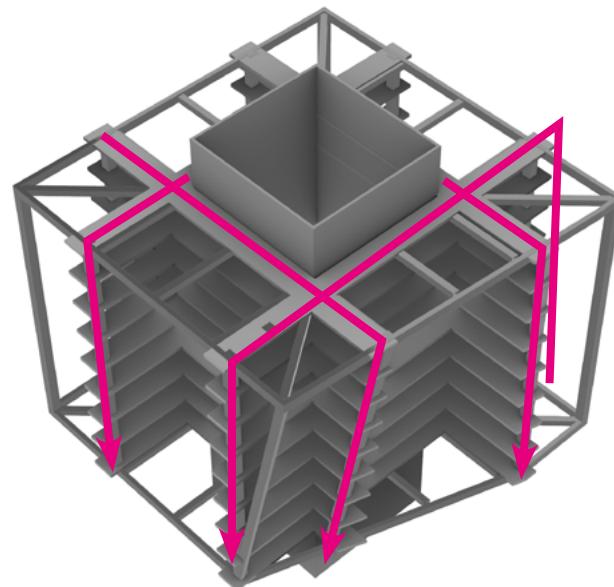
Concrete Beams Anchored from the
core extended outwards

Construction



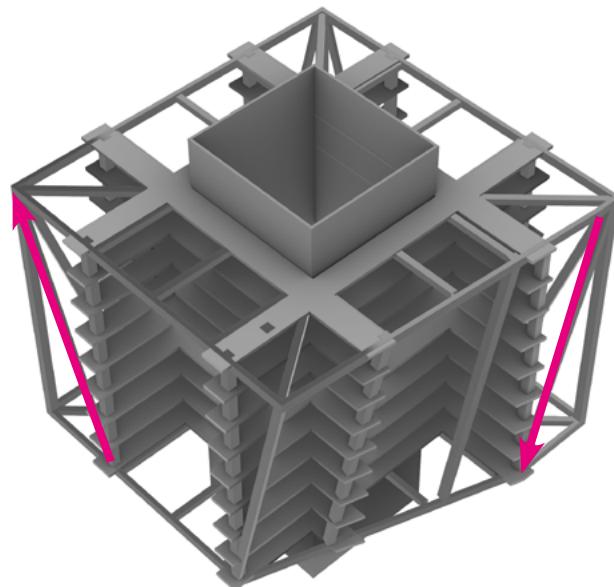
Beams attached to a primary cage.
system made of steel elements
which ties back to the core

Construction



the load is transferred from the concrete beams
by using a support which creates a looped
system which ties back to the core

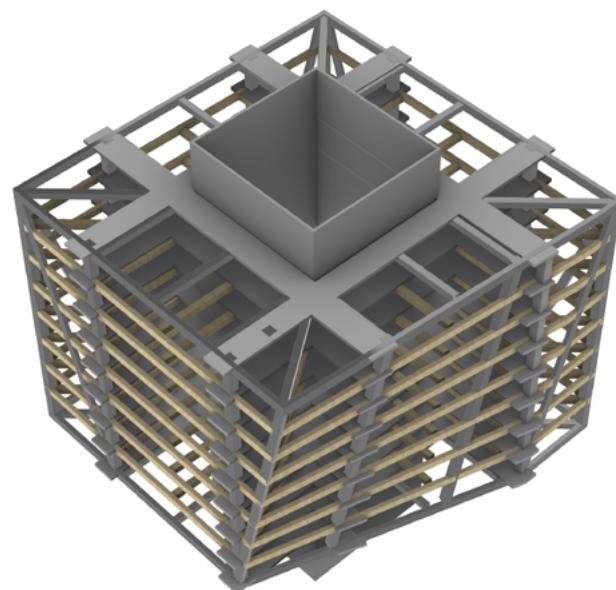
Construction



Braces added which connect to the
main load bearing loop system

Development

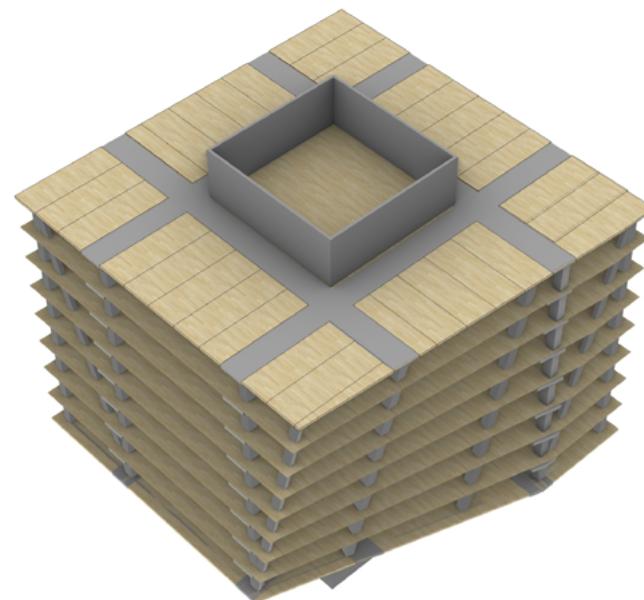
Construction



Timber infills as secondary support
structure for floors

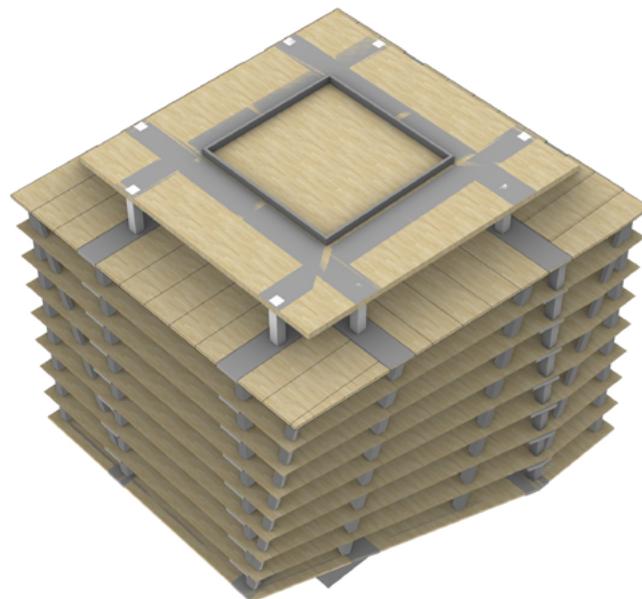
Development

Construction



Timber infills as secondary support
structure for floors

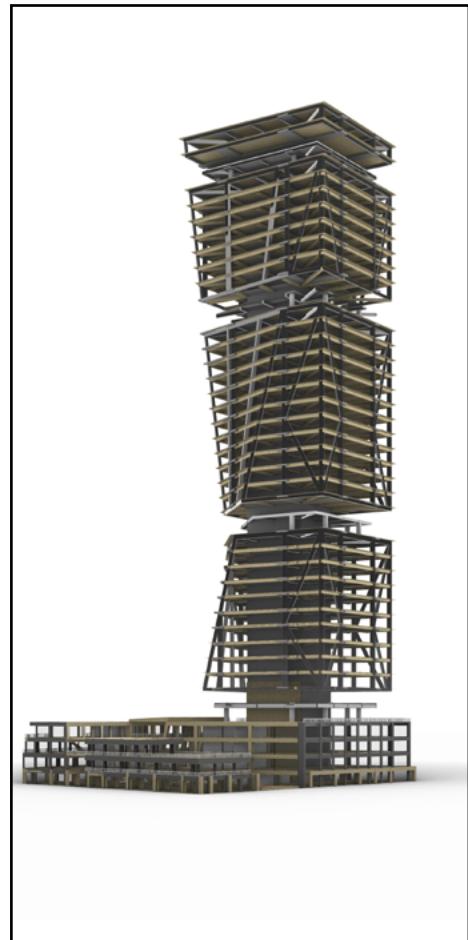
Construction



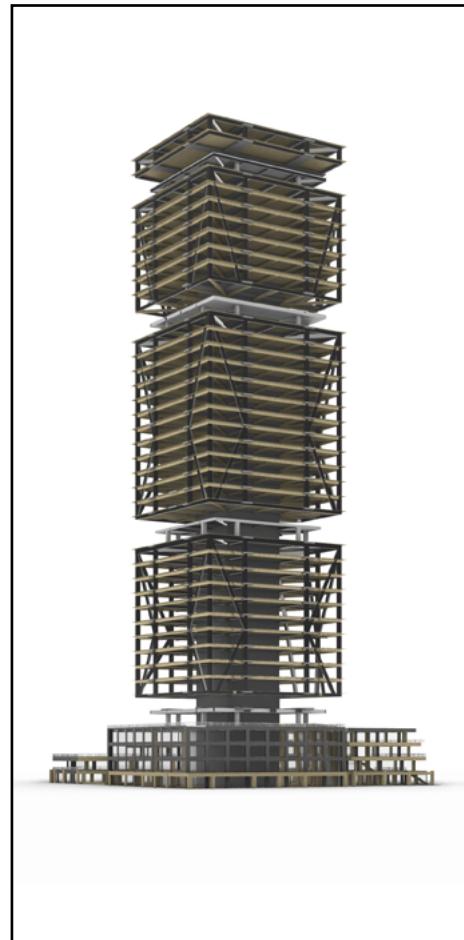
The loop system is used to support
the mezzanine floor on the last level
of every block

Development

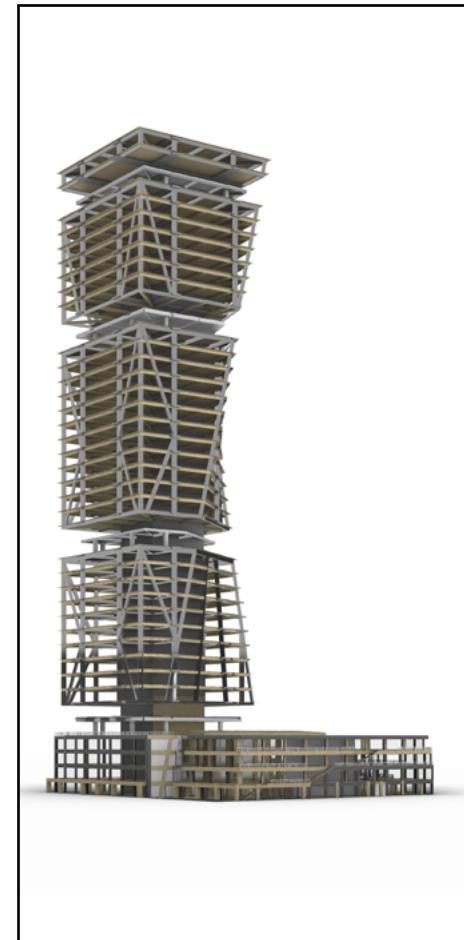
Construction



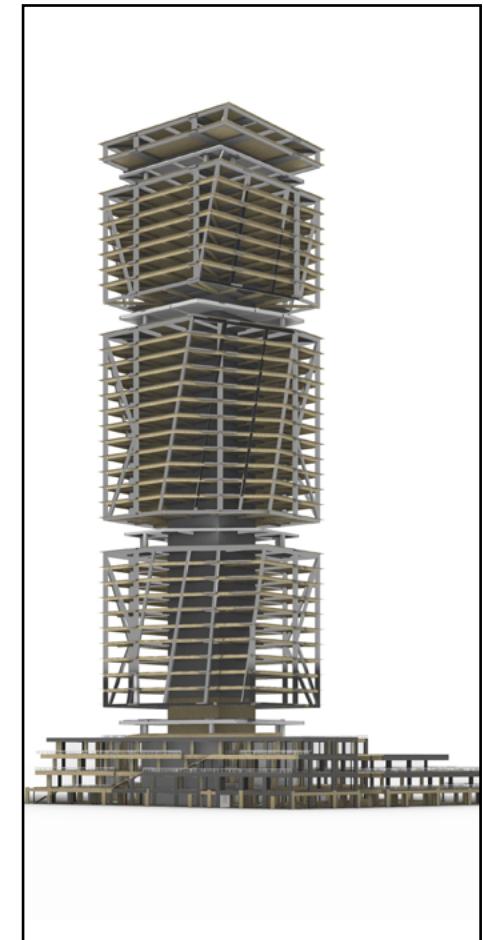
South - East



North East

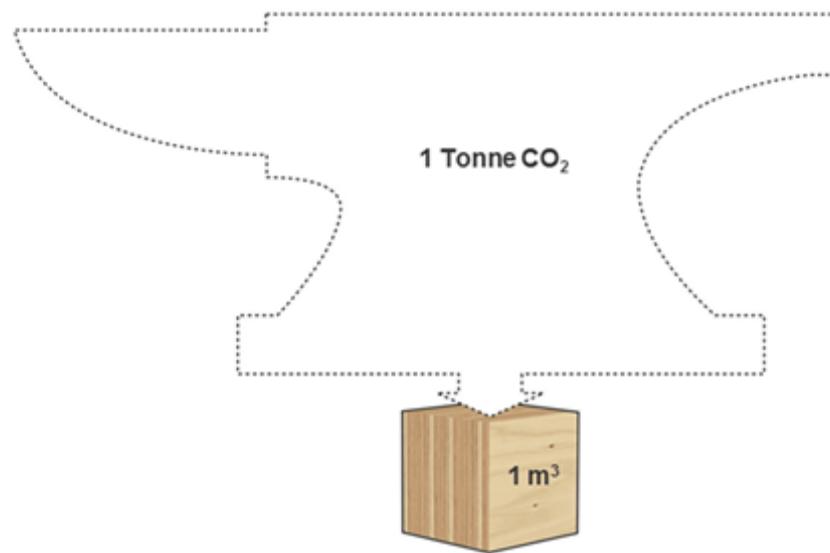


North West



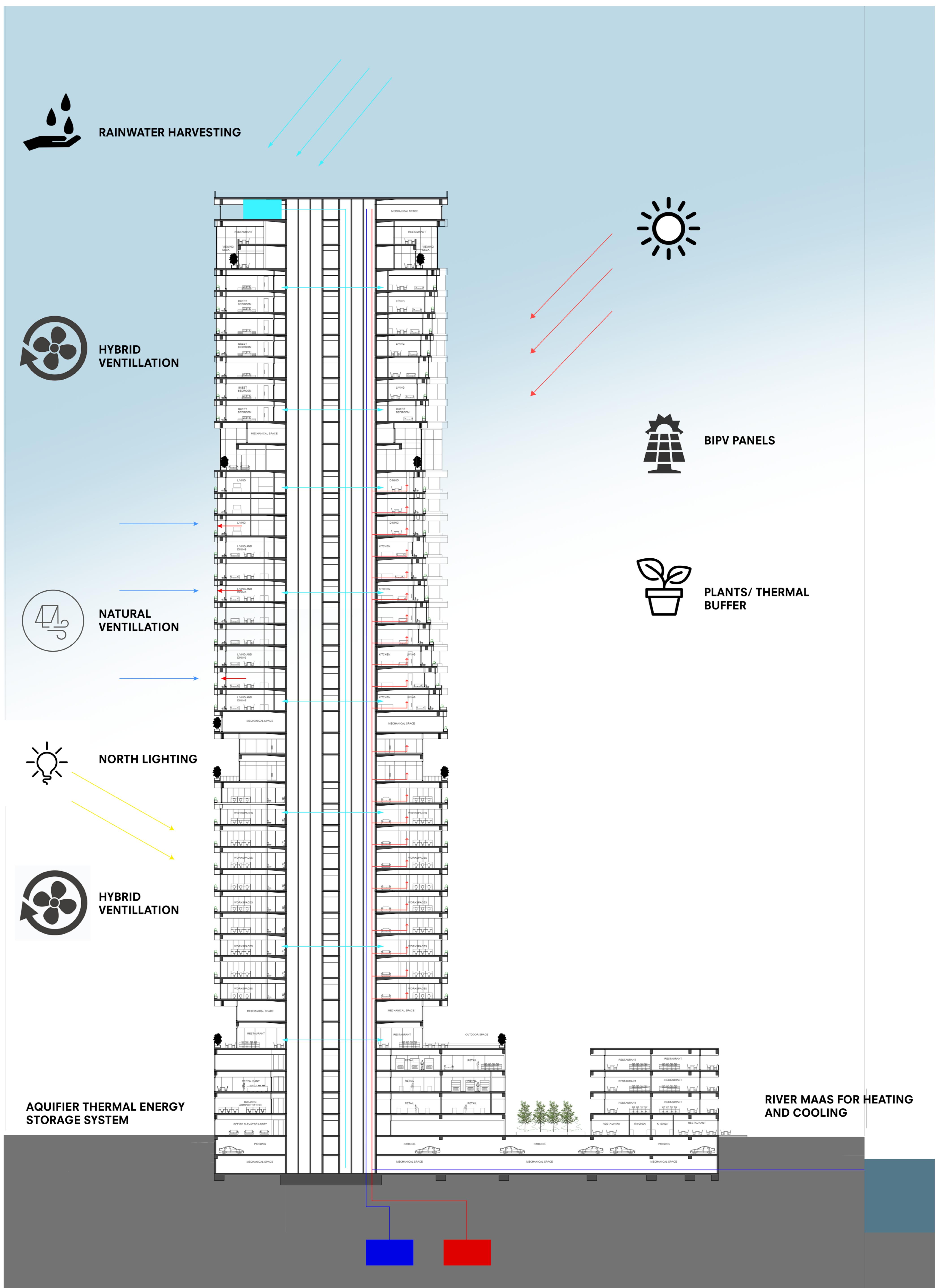
South east

Construction

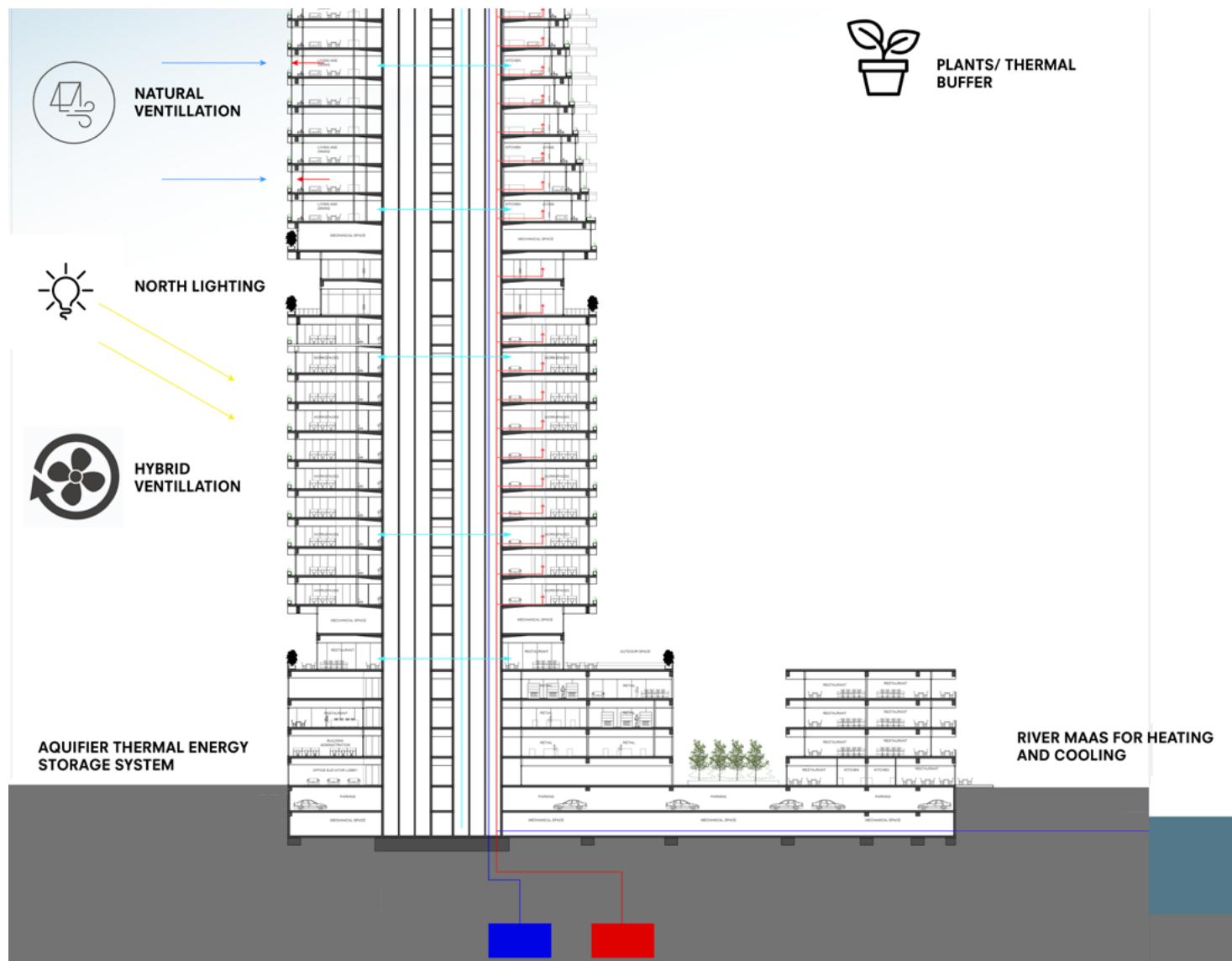


Carbon Sequestration of
timber

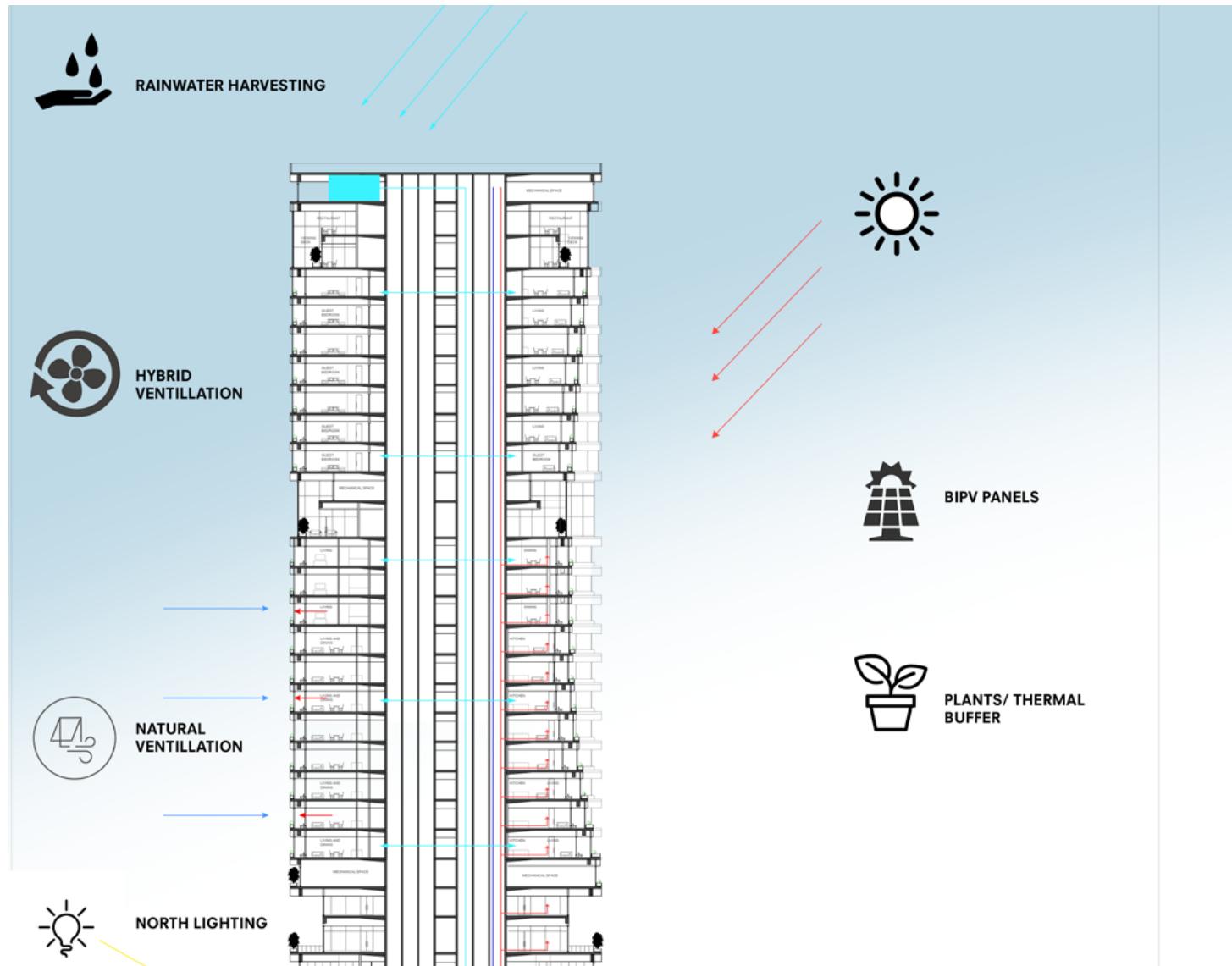
Climate section



Climate



Climate



Development

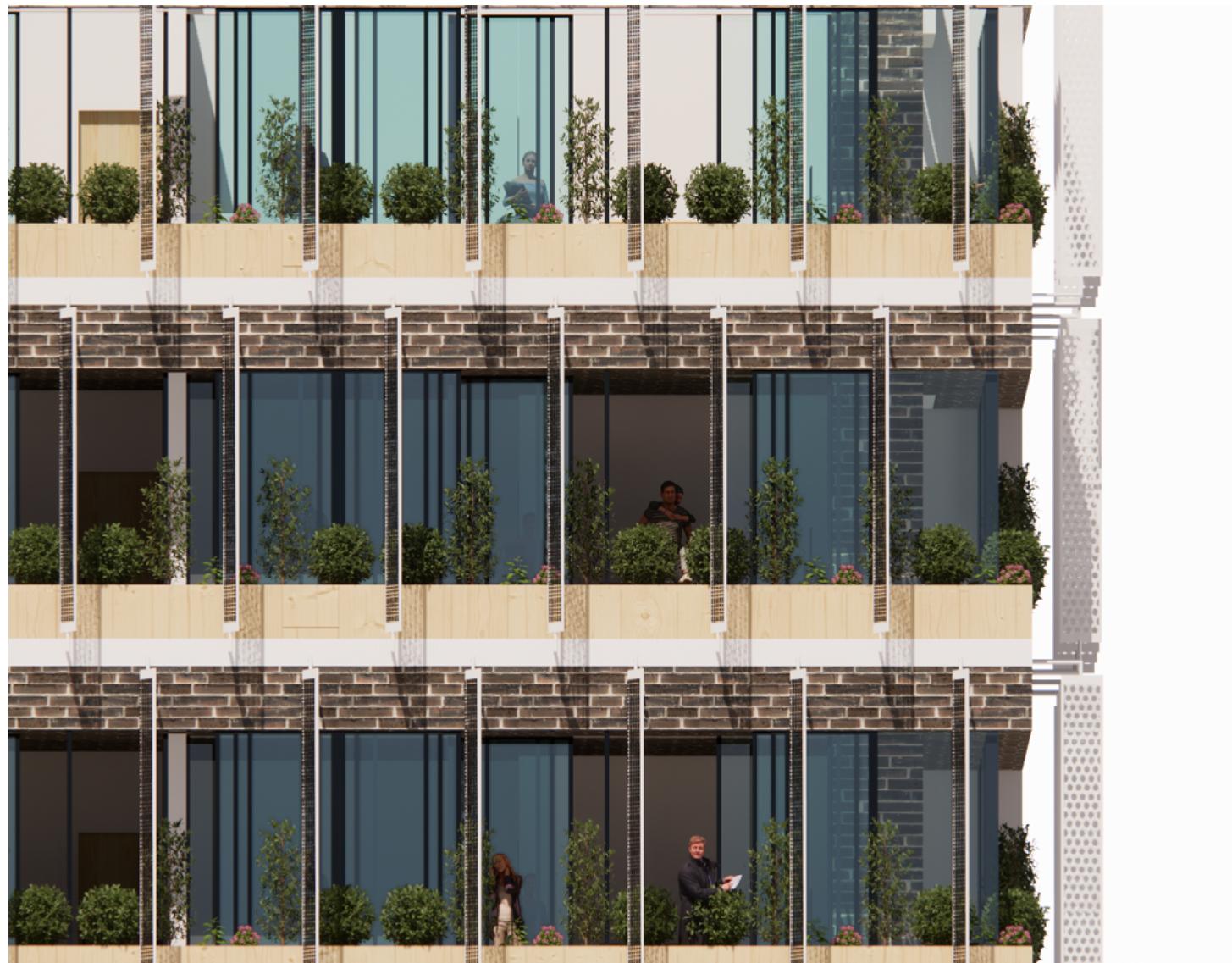
Facade



South facade with integrated
BIPV panels in brise soleils

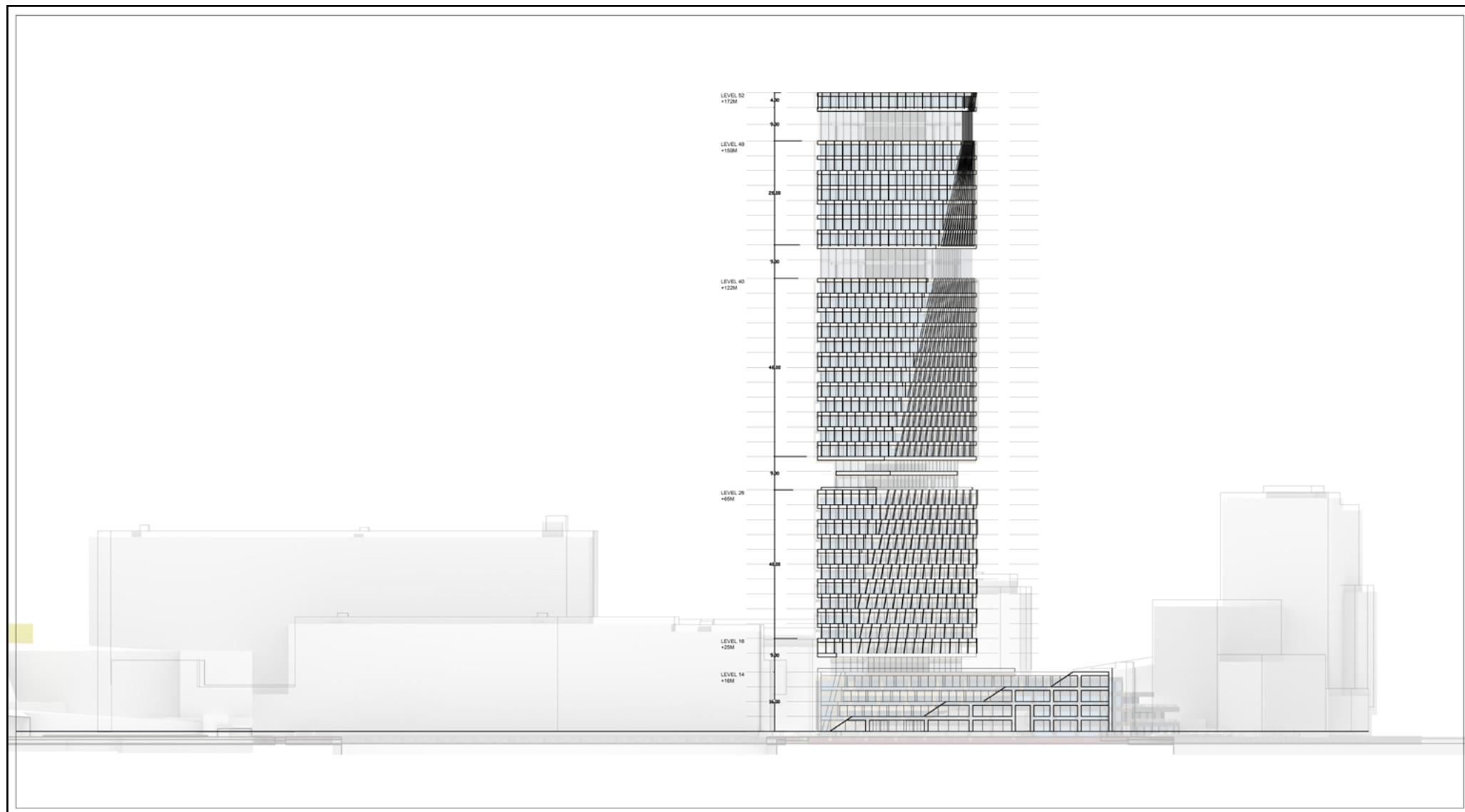
Development

Facade

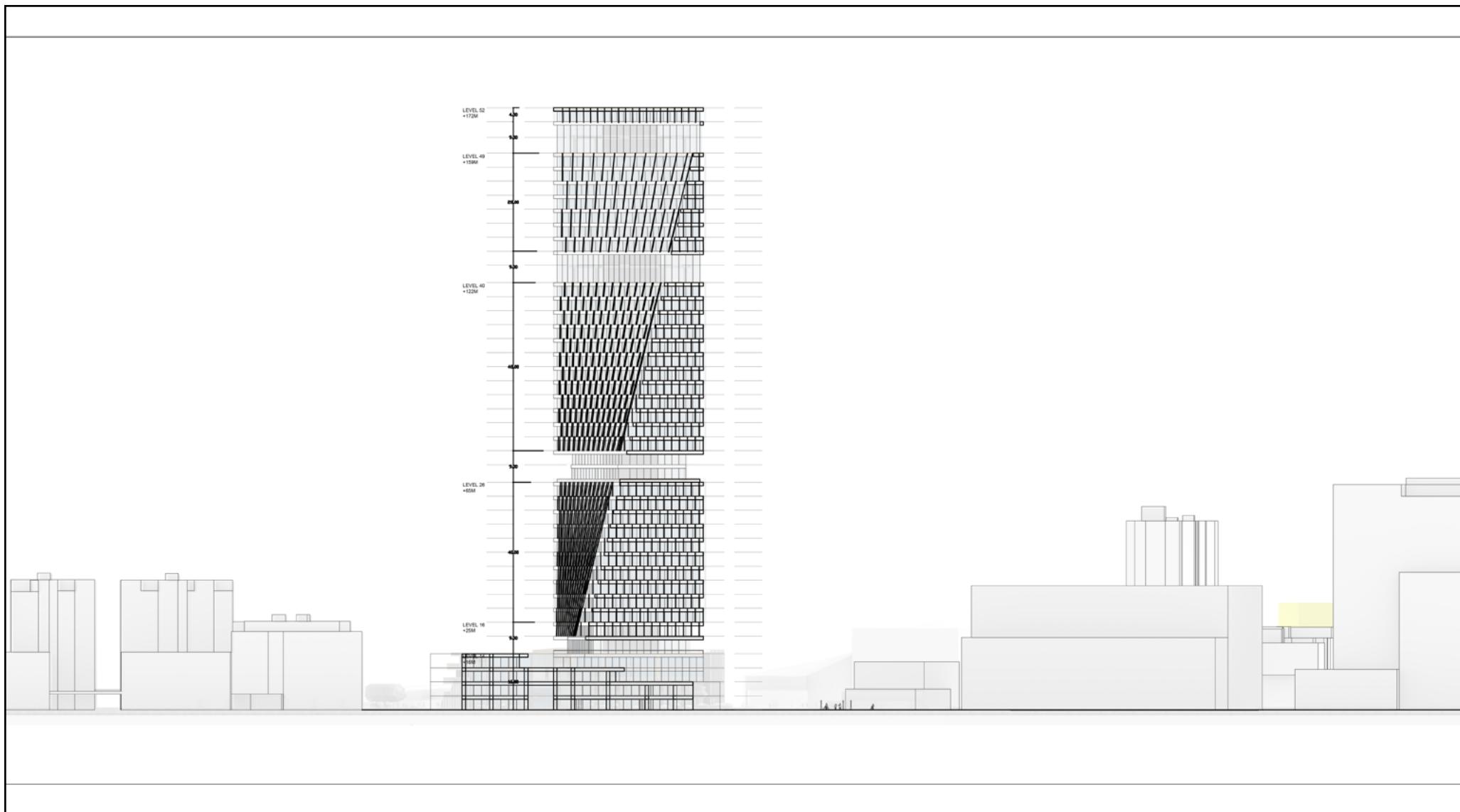


South facade with integrated
BIPV panels in brise soleils

Elevations - West

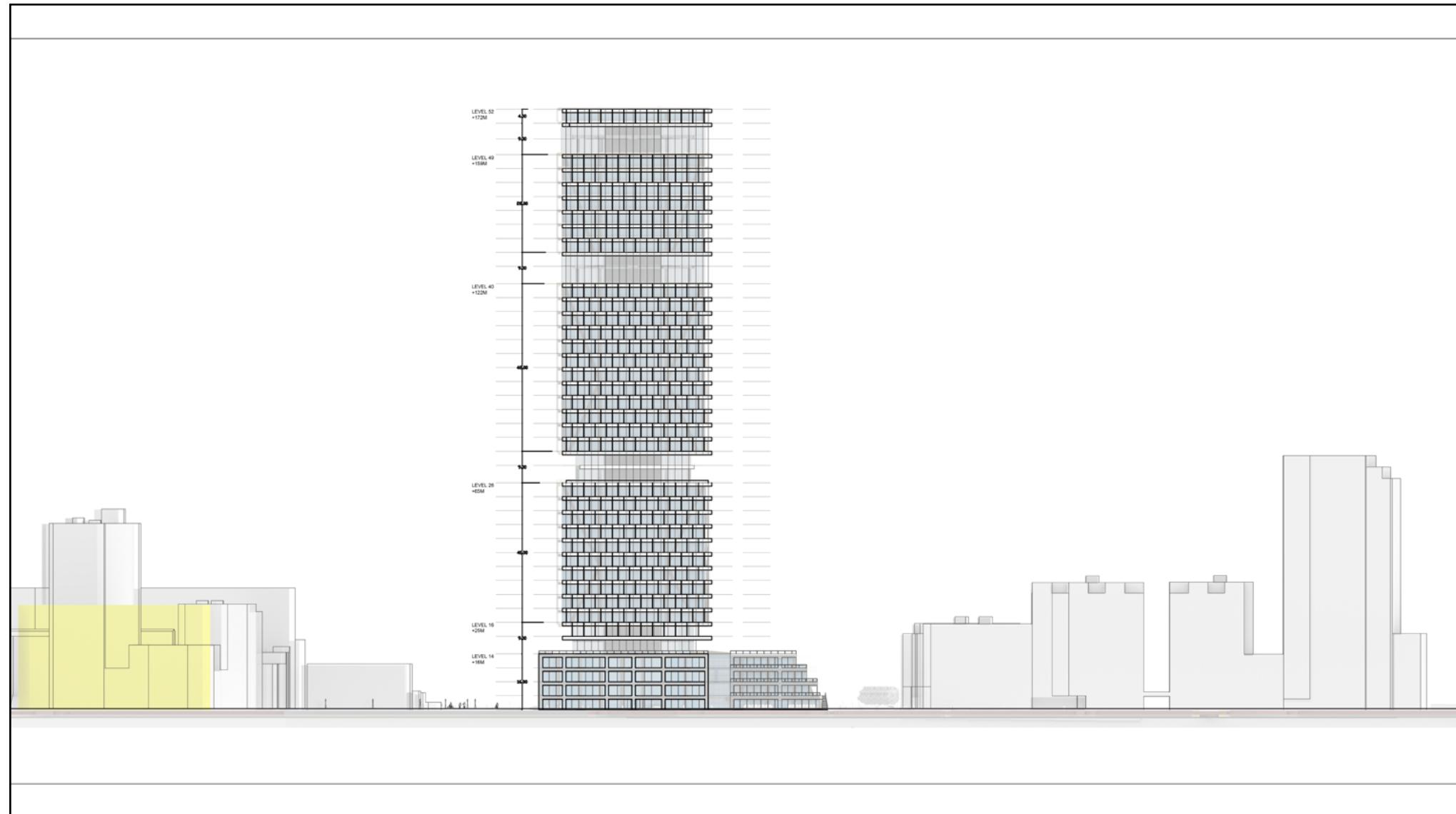


Elevations - South

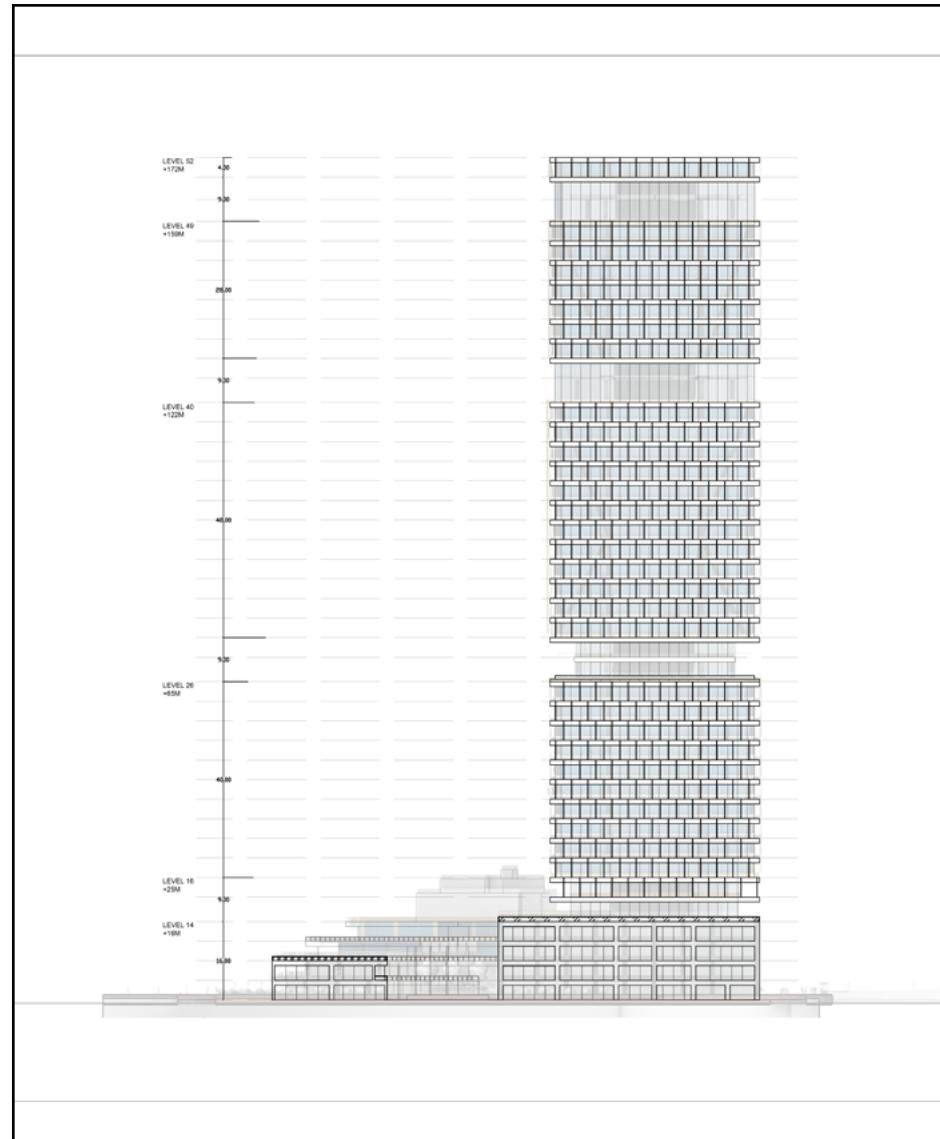


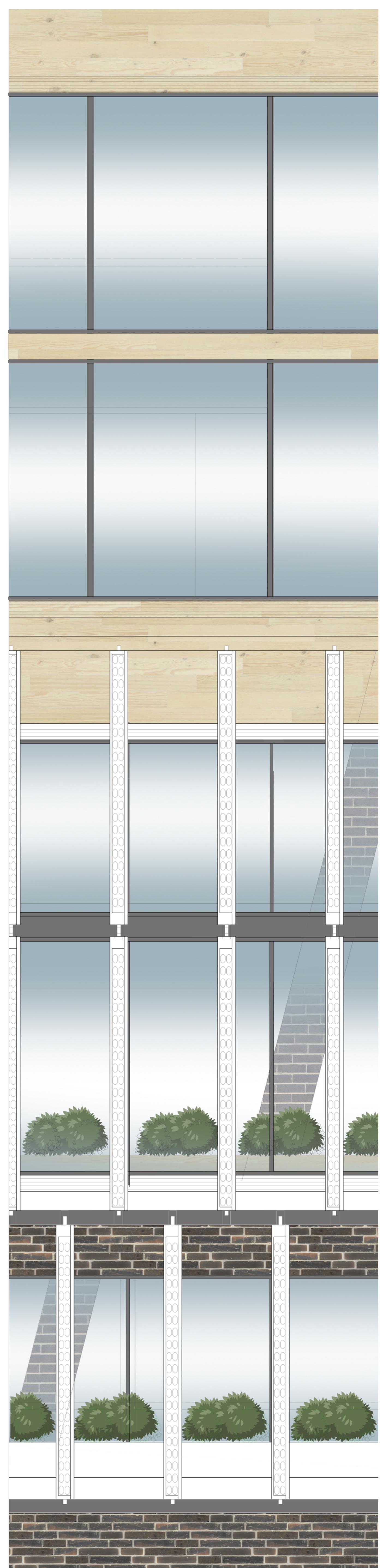
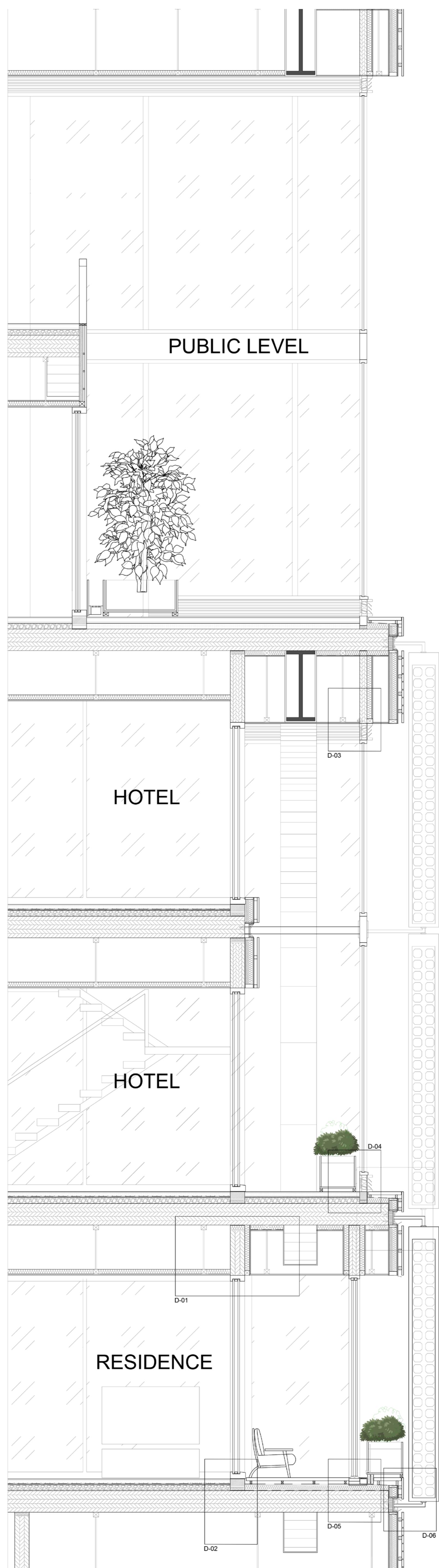
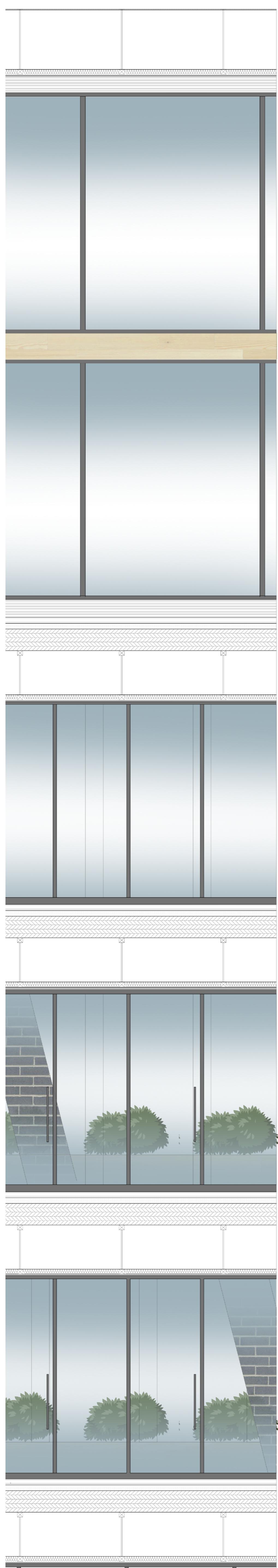
Development

Elevations - North



Elevations - East



Facade 1:20

Development

Elevations - East



Facade materialisation

EXTERIOR WALL

70mm Mineral wool insulation
Moisture diffusing membrane
Gypsum board

Flooring Exterior

Hardwood Decking
Deck support joist
EPDM sealant
70mm PUR rigid foam
Bituminous sheeting 2 Layers

Facade Panel

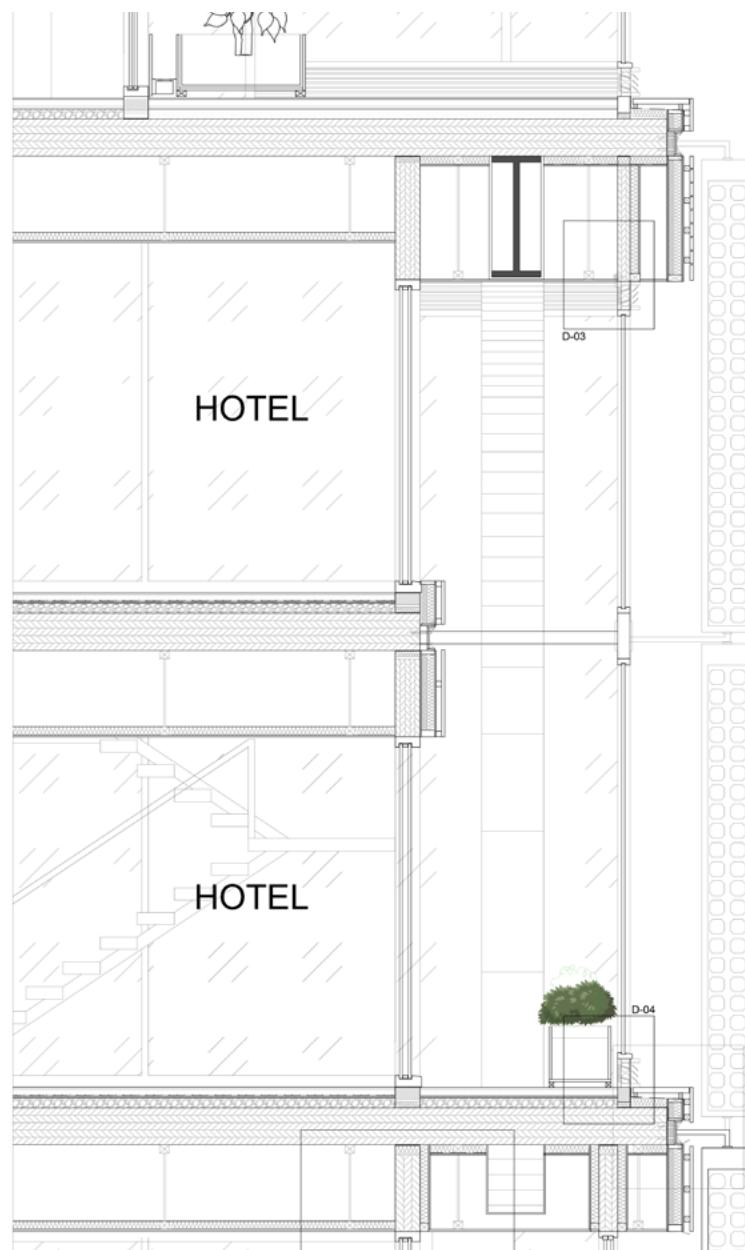
Acoustic insulation quilt 20mm
Mineral wool insulation 70mm
Timber studs
Thin brick rain screen cladding



Facade materialisation

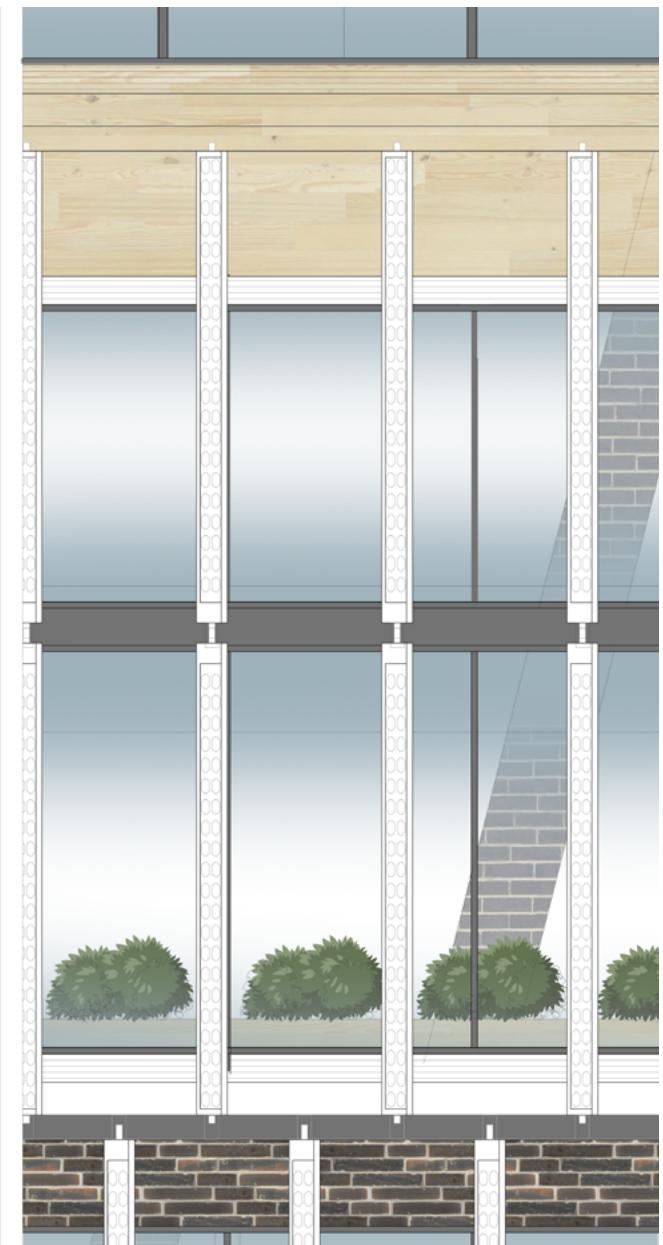
Ceiling

Resilient soundproofing profile
 Acoustic matting 20mm
 Mineral wool insulation
Moisture diffusing membrane
 Gypsum board
 18mm Plywood suspended Ceiling



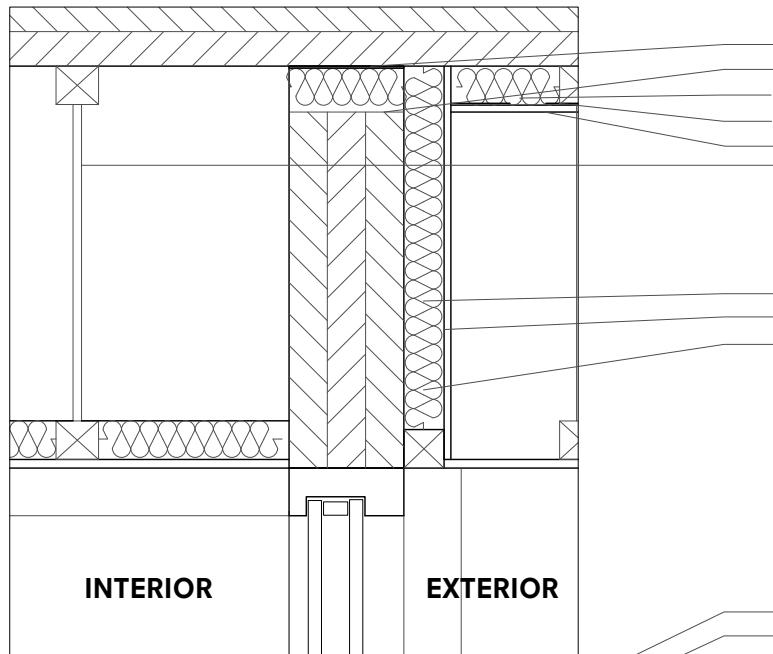
Flooring

14mm Wooden Flooring
 50mm Underfloor heating with concrete screed
 20mm Acoustic matting
 80mm Washed gravel
 CLT structural floor 300mm



Detail 1:5 Interior

D01

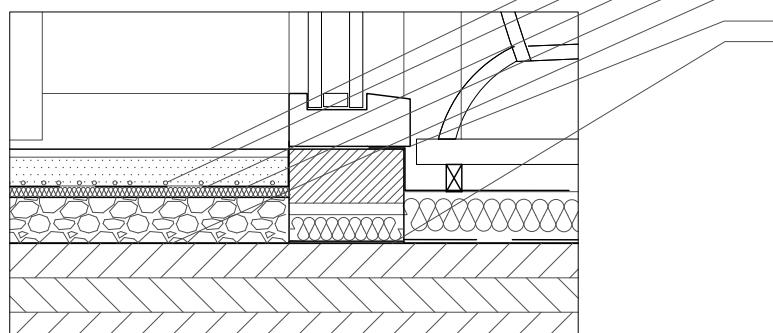


CEILING

Resilient soundproofing profile
Acoustic matting 20mm
Mineral wool insulation
Moisture diffusing membrane
Gypsum board
Suspended ceiling clip hanger

70mm Mineral wool Insulation
Moisture diffusing membrane
Gypsum board

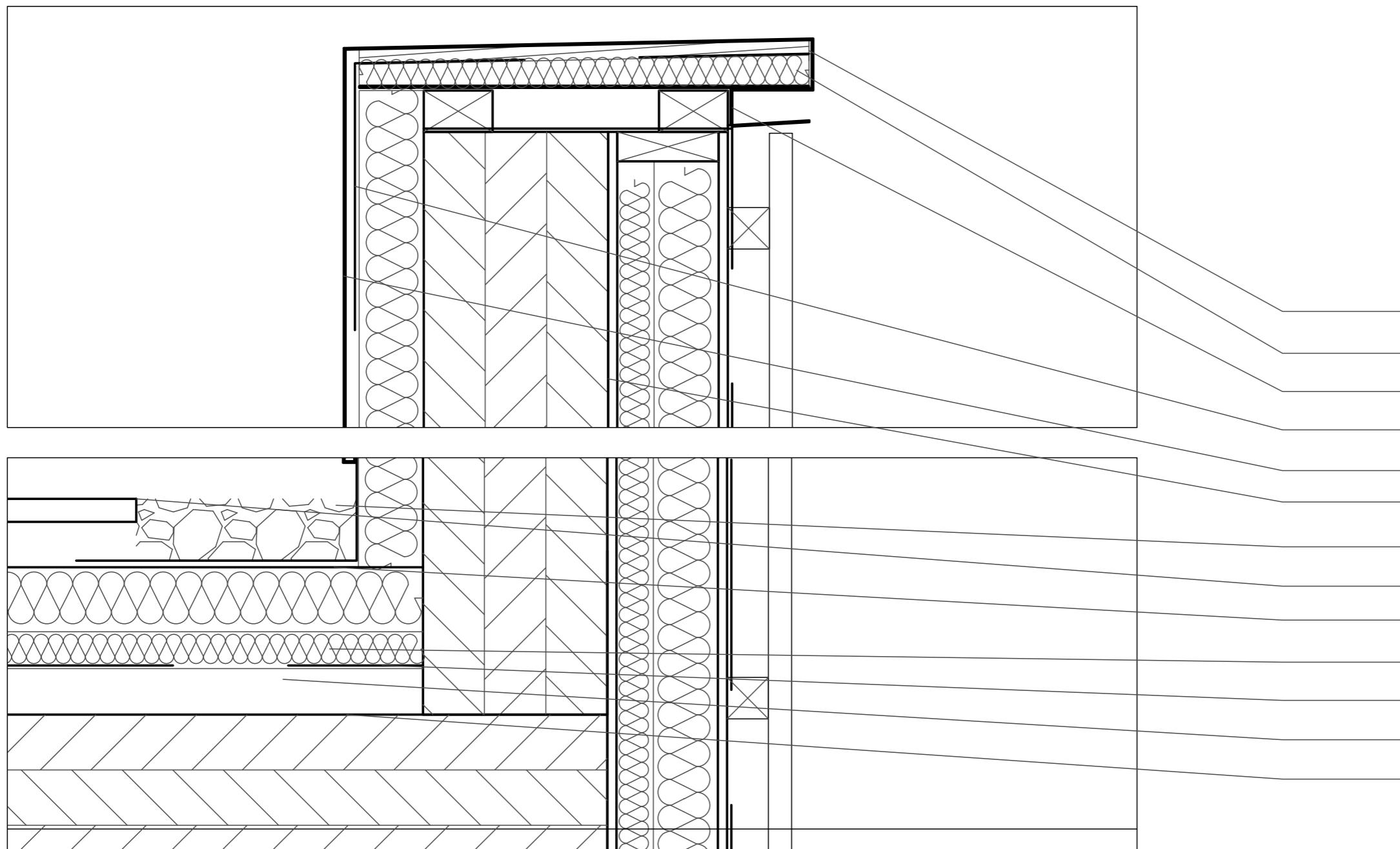
D02



14mm Engineered Wooden Flooring
50mm Underfloor Heating with concrete screed
separation layer
20mm Acoustic matting
80mm Washed gravel
Anodized aluminum frame
Resilient soundproofing profile

Detail Exterior 1:5

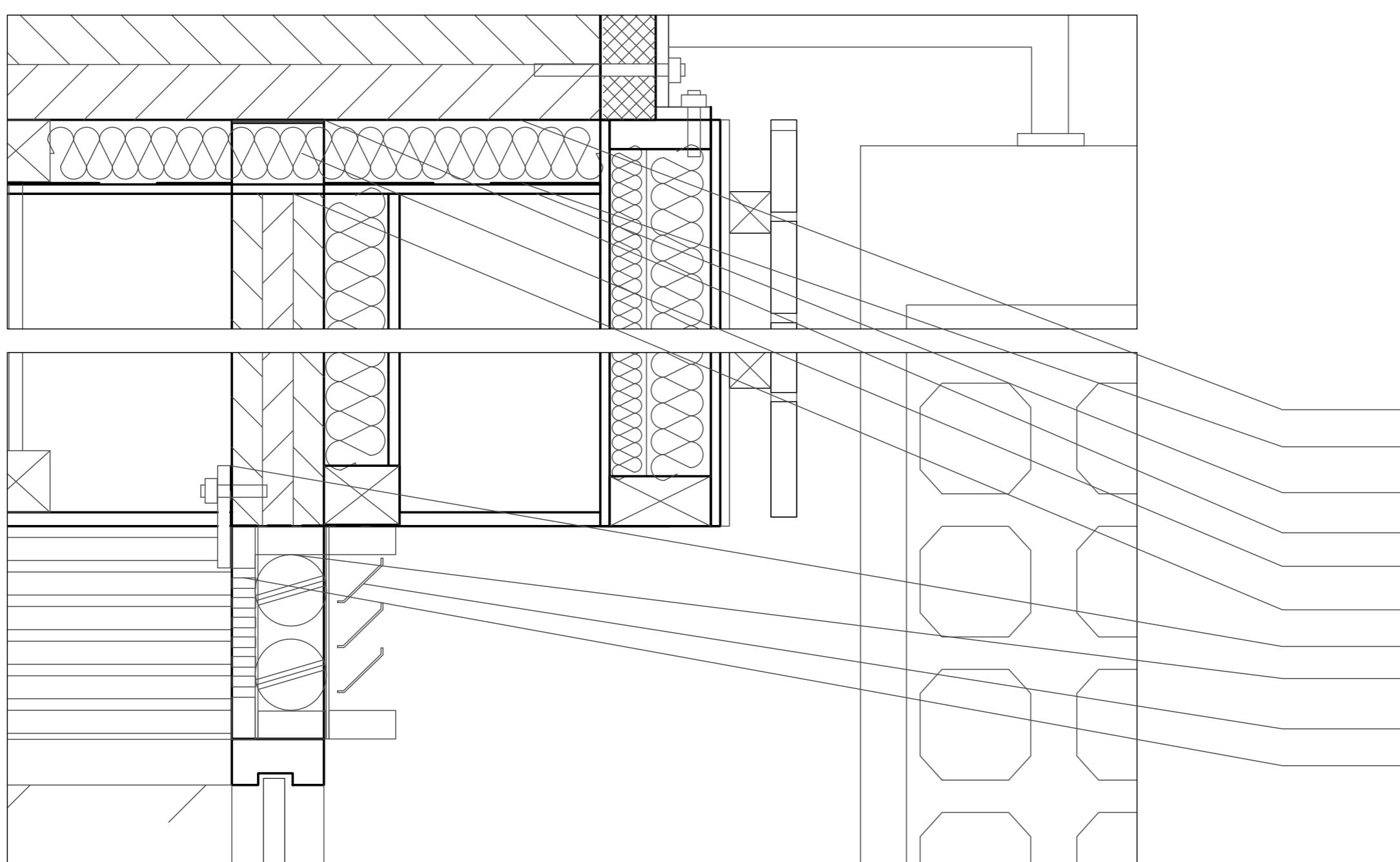
D06



PARAPET

Plywood upstand cap
 Mineral wool Insulation
 Vapor barrier
 Roofing membrane and Drainage Layer
 Aluminum sheet cladding of upstand
 CLT parapet wall 200 mm
 Gravel
 Roof Pavers
 Rigid foam insulation
 Acoustic insulation
 Vapor barrier
 Concrete screed
 Structural CLT floor 300mm

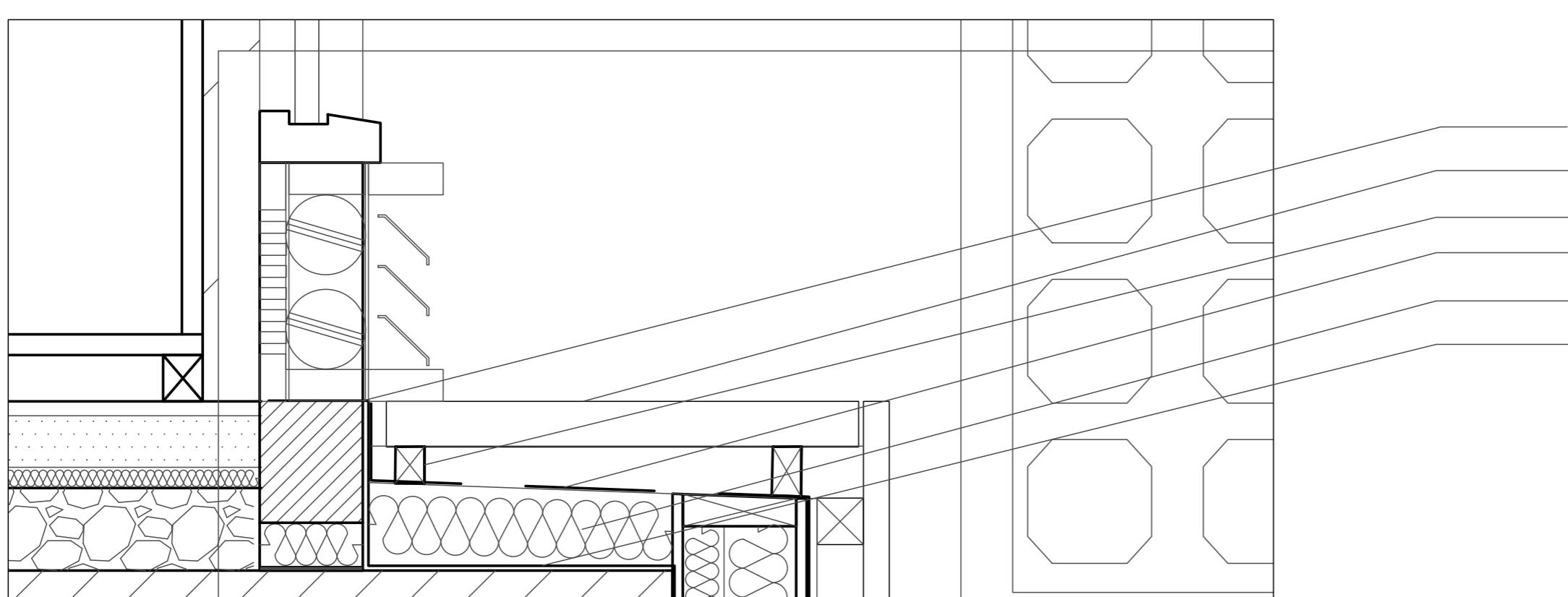
D03



Exterior Wall and Ceiling

Mineral wool Insulation
 Moisture diffusing membrane
 Gypsum board
 Sound resilient profile
 Acousitc matting
 CLT wall 100mm
 Vent bracket attached to CLT wall
 Motorized Dampers
 Natural ventilation louvers
 Perforated plywood panel

D04



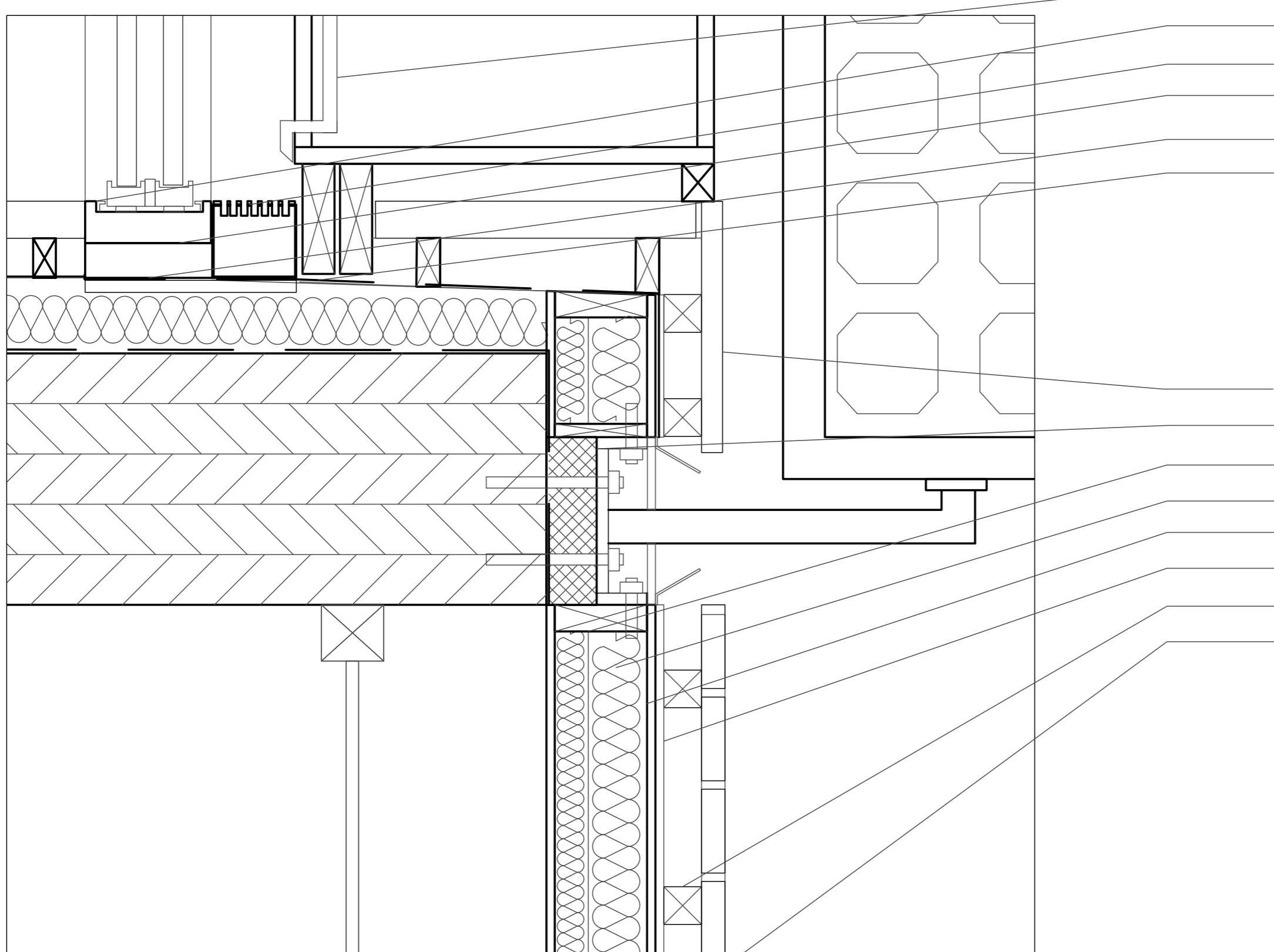
Flooring Exterior

Wooden block
 Hardwood Decking
 Deck support joist
 EPDM sealant
 70mm PUR rigid foam
 Bituminous sheeting 2 Layers

Sliding Door

PVC drain pipe
 Anodized aluminium track
 Threshold Drainage flushed
 Drainage block
 Drainage padding
 EPDM sealant

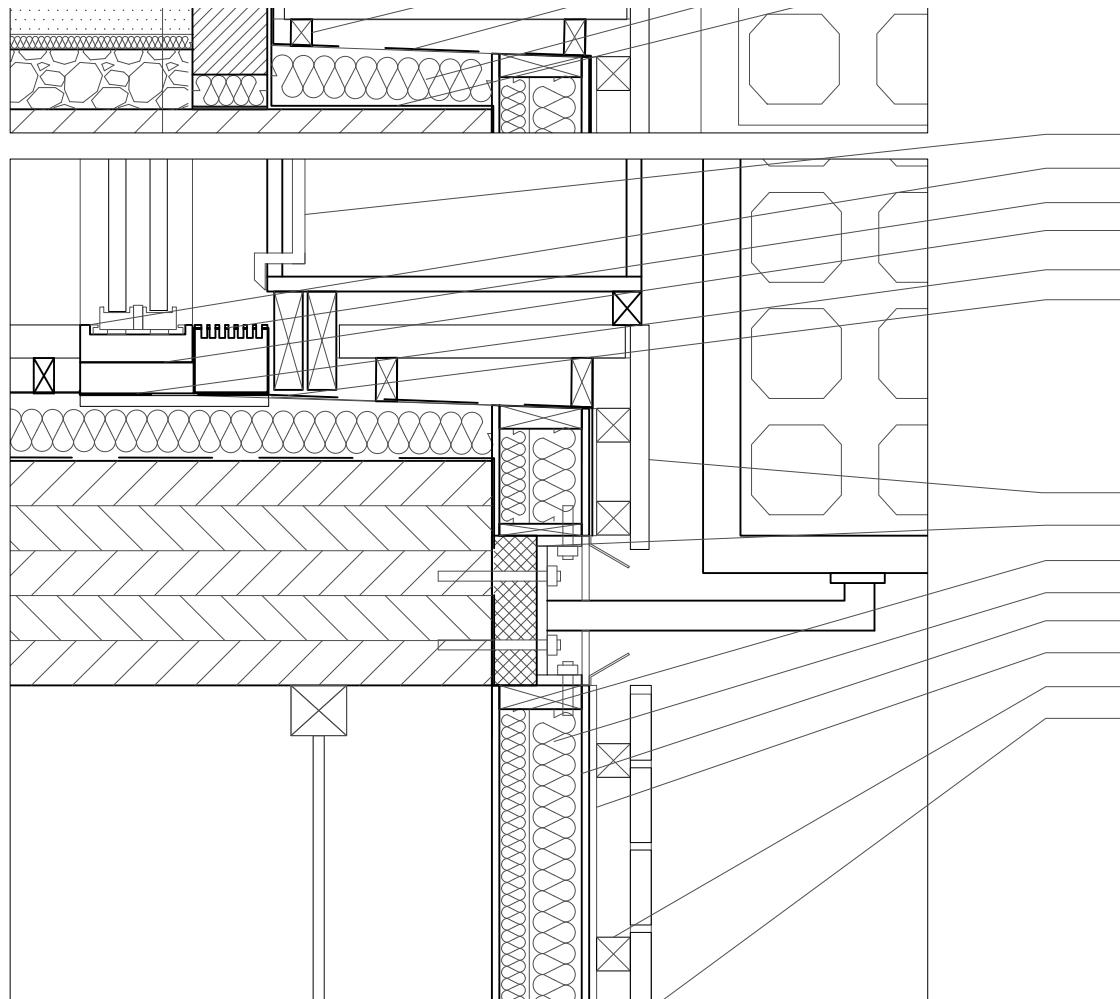
D05



Facade panel

White Larch rainscreen cladding
 Shadow box cover
 Isokorb thermal bridge
 Acoustic insulation quilt
 Mineral wool insulation 70mm
 Plasterboard panel 12.5mm
 Vapor barrier
 Timber stud 45x45mm
 Thin clay brick external cladding

Details



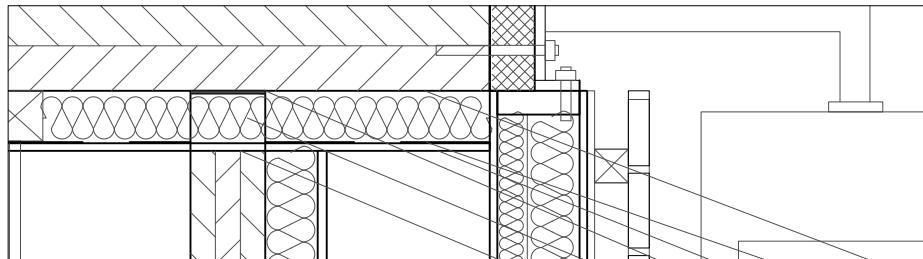
Sliding Door

PVC drain pipe
Anodized aluminium track
Threshold Drainage flushed
Drainage block
Drainage padding
EPDM sealant

Facade panel

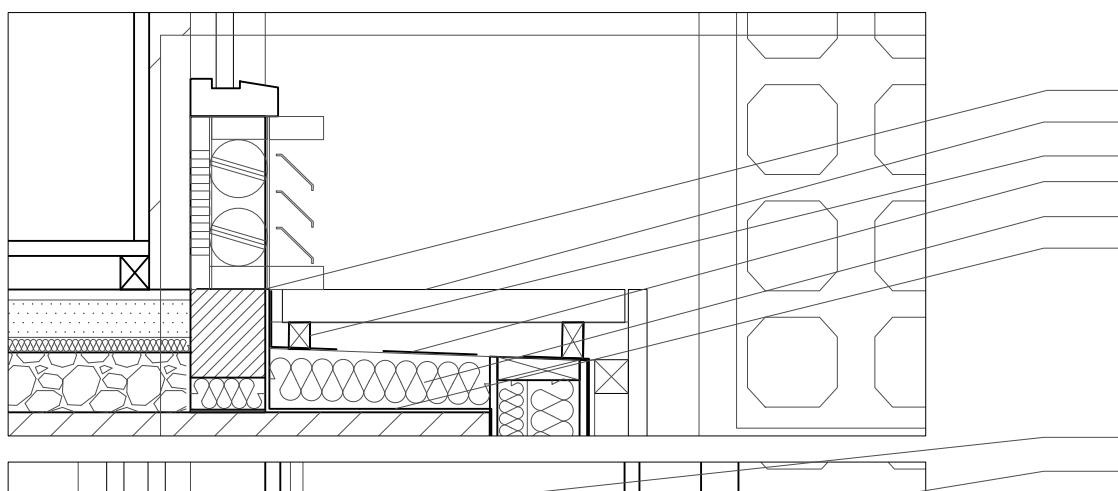
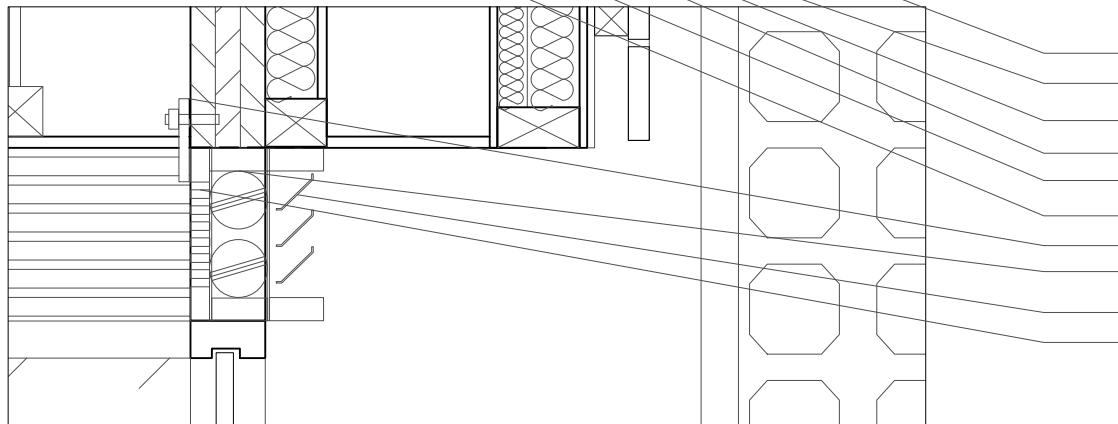
White Larch rainscreen cladding
Shadow box cover
Isokorb thermal bridge
Acoustic insulation quilt
Mineral wool insulation 70mm
Plasterboard panel 12.5mm
Vapor barrier
Timber stud 45x45mm
Thin clay brick external cladding

Details



Exterior Wall and Ceiling

Mineral wool Insulation
Moisture diffusing membrane
Gypsum board
Sound resilient profile
Acousitc matting
CLT wall 100mm
Vent bracket attached to CLT wall
Motorized Dampers
Natural ventilation louvers
Perforated plywood panel



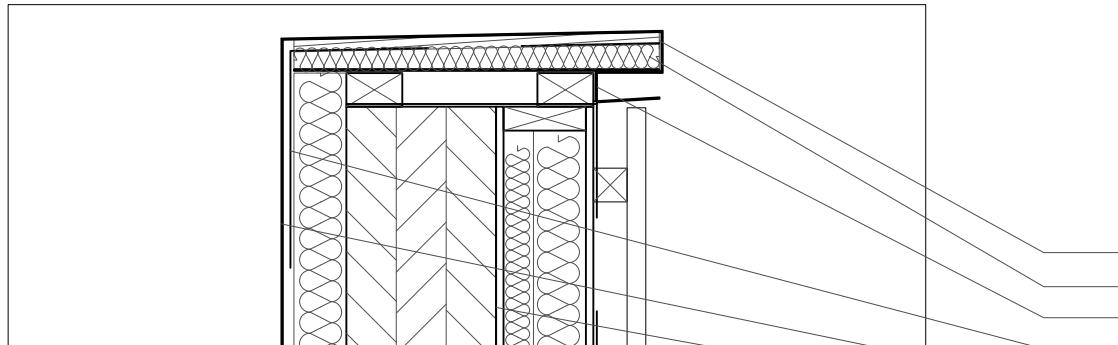
Flooring Exterior

Wooden block
Hardwood Decking
Deck support joist
EPDM sealant
70mm PUR rigid foam
Bituminous sheeting 2 Layers

Sliding Door

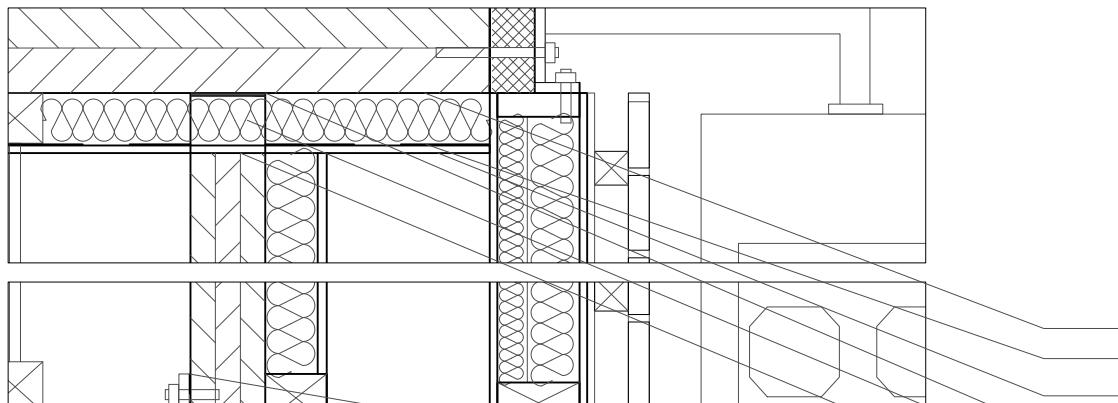
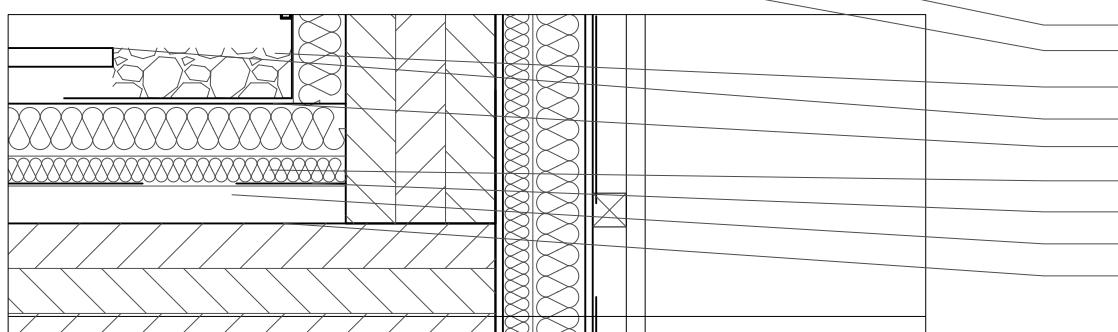
PVC drain pipe
Anodized aluminium track

Details



PARAPET

Plywood upstand cap
Mineral wool Insulation
Vapor barrier
Roofing membrane and Drainage Layer
Aluminum sheet cladding of upstand
CLT parapet wall 200 mm
Gravel
Roof Pavers
Rigid foam insulation
Acoustic insulation
Vapor barrier
Concrete screed
Structural CLT floor 300mm



Exterior Wall and Ceiling

Mineral wool Insulation
Moisture diffusing membrane
Gypsum board

Introduction

Research

Design Brief

Project Concept

Implementation

Development

Conclusion

INDEX

Conclusion

Reflection



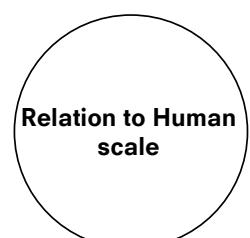
Reflection



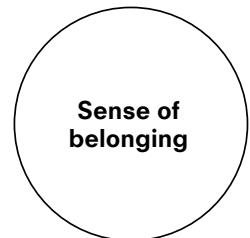
Heritage Fabric of the city



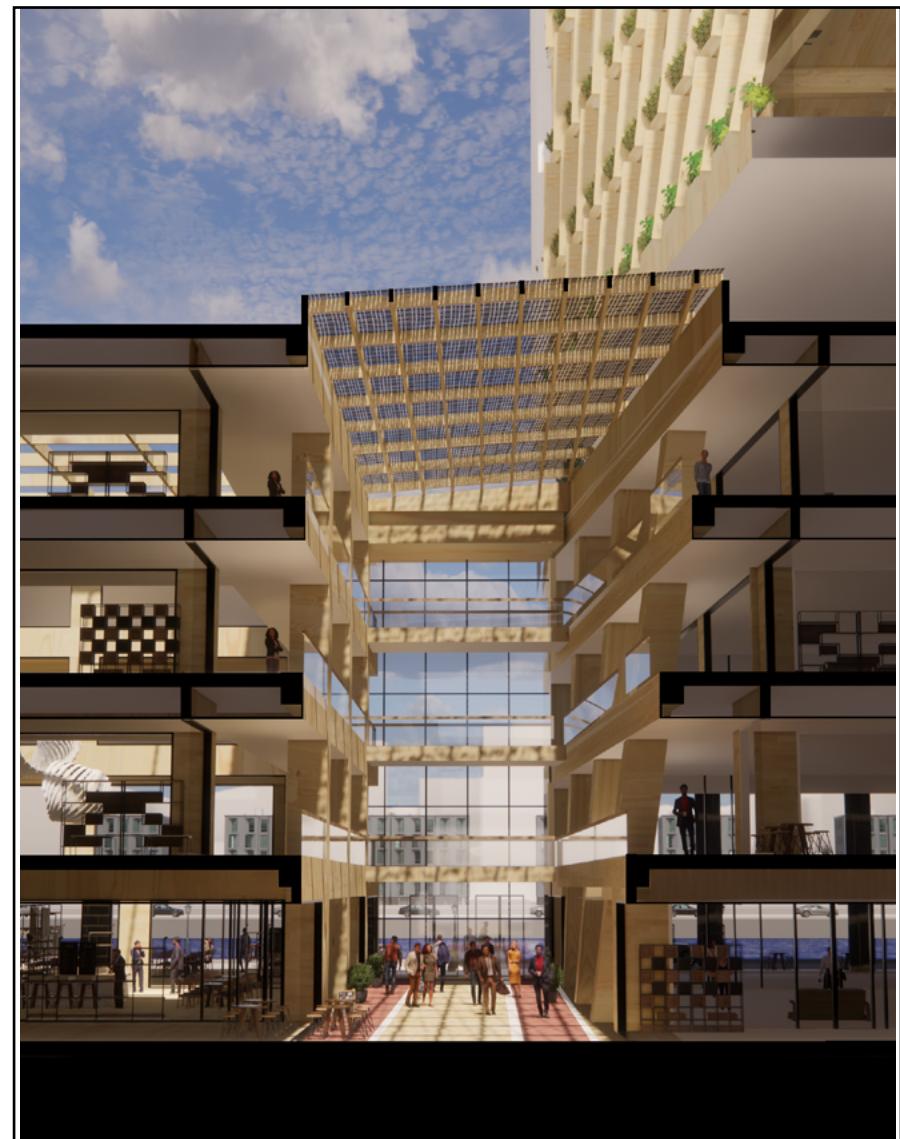
Urban Street life connection



Relation to Human scale

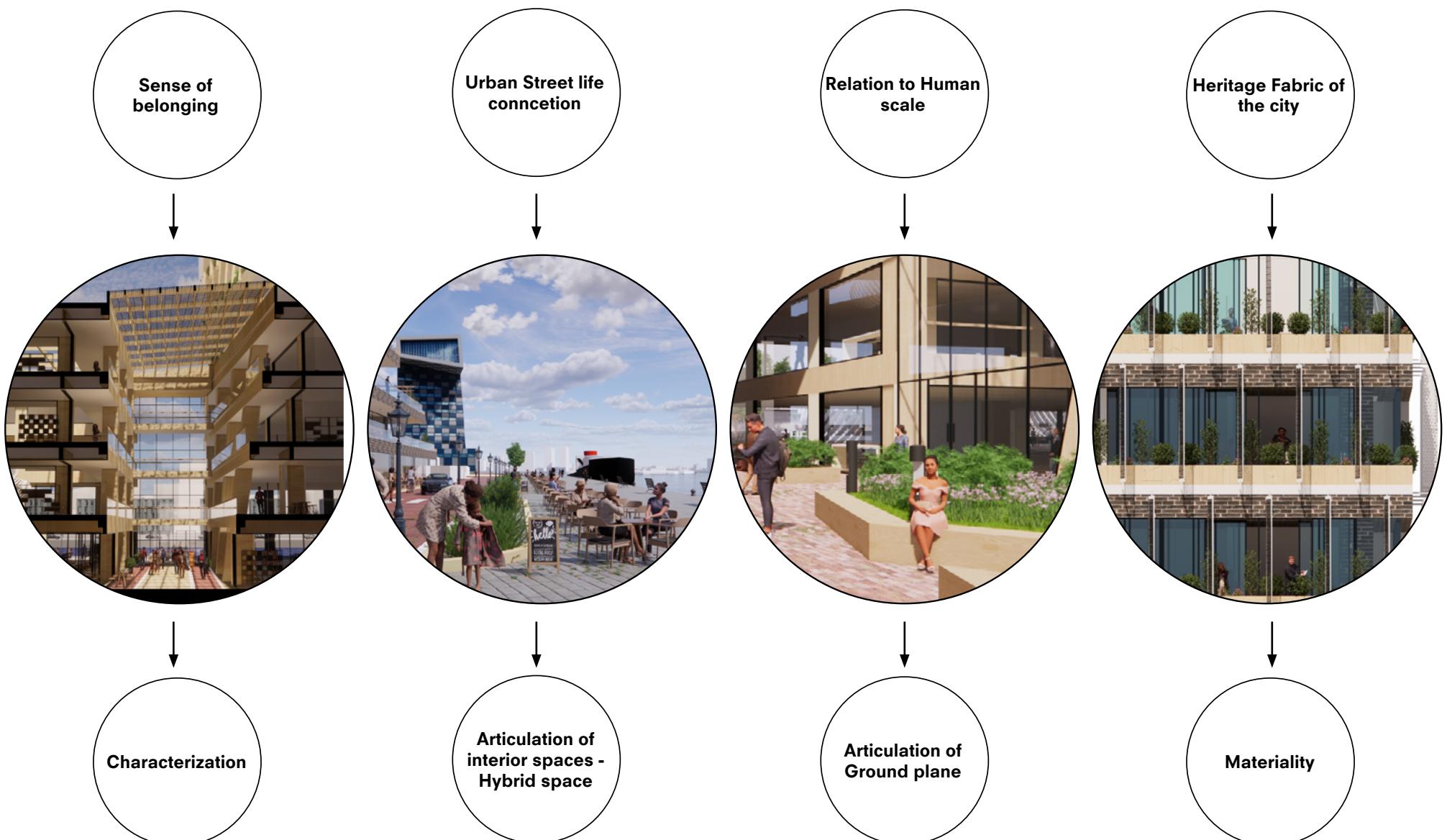


Sense of belonging



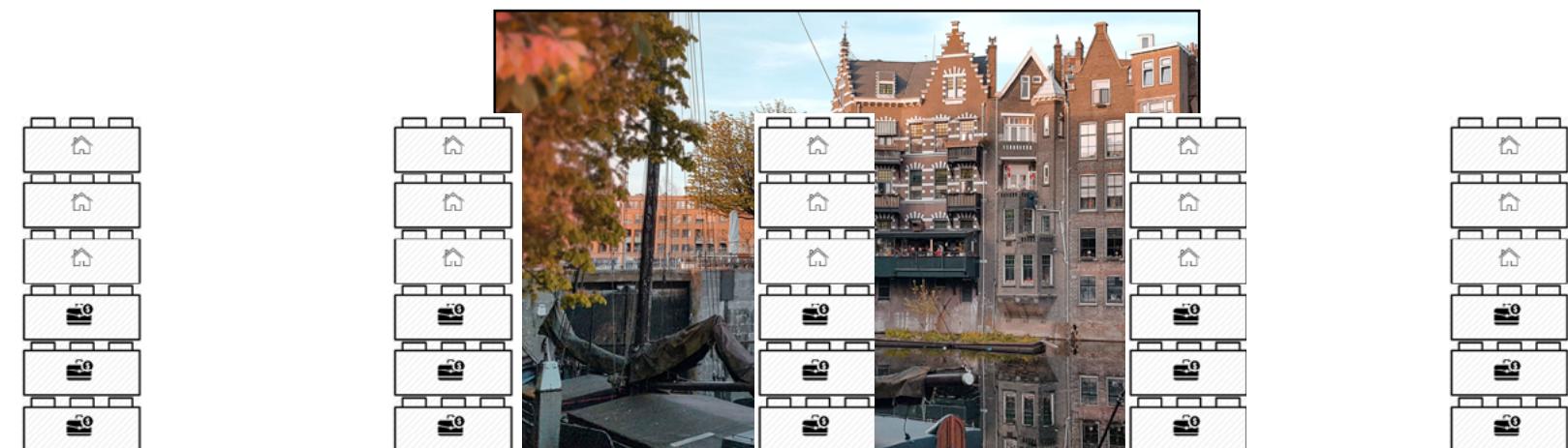
Helps guide the design and relate it to the context to achieve urban implementation

Spatial translation



The frame work is spatially translated by
drawing inspiration from the context

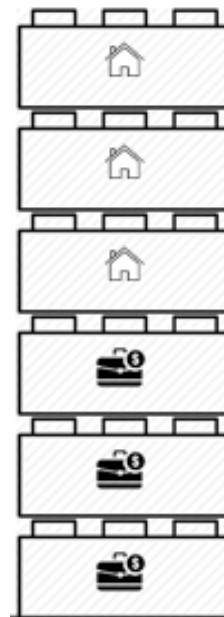
How many?



Increase in number of High rises

This can diminish the heritage quality of site

Polarity



Emphasis to heritage

A complimentary tower to emphasize rather than heritage high rises.

THANK YOU.



complex projects