

An aerial architectural rendering of a city waterfront development. The central focus is a tall, white, rectangular skyscraper with a grid-like facade, identified as Hotel New York. To its left is a long, low-rise building with a blue and white grid pattern. To its right is a smaller, yellow building with a flat roof. The buildings are situated on a peninsula or waterfront area, with a dark body of water to the right. Several small boats are visible in the water. The surrounding city blocks are shown in white, with green spaces and trees interspersed. The overall scene is a detailed architectural visualization of a proposed development.

CONTEXTUALITY WITH A TWIST

Hotel New York



complex projects

09/07/2021

Introduction

Research

Design Brief

Project Concept

Implementation

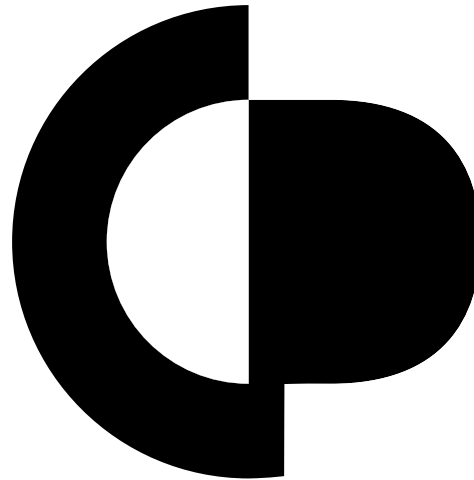
Development

Conclusion

INDEX

Introduction

Complex Projects



MIGRATION OF IDEAS

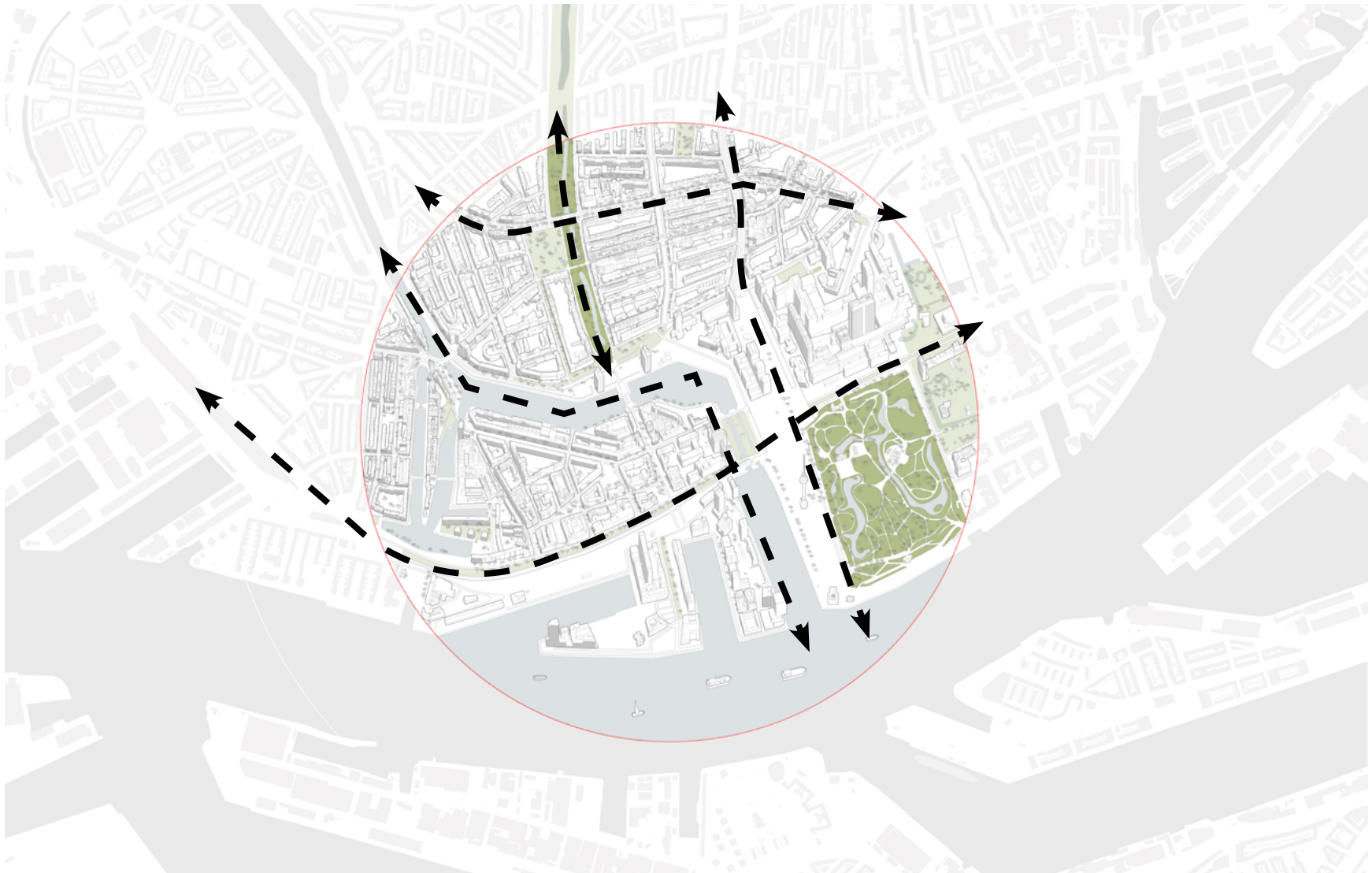


Introduction

Site



Western Archipelago



Western Archipelago

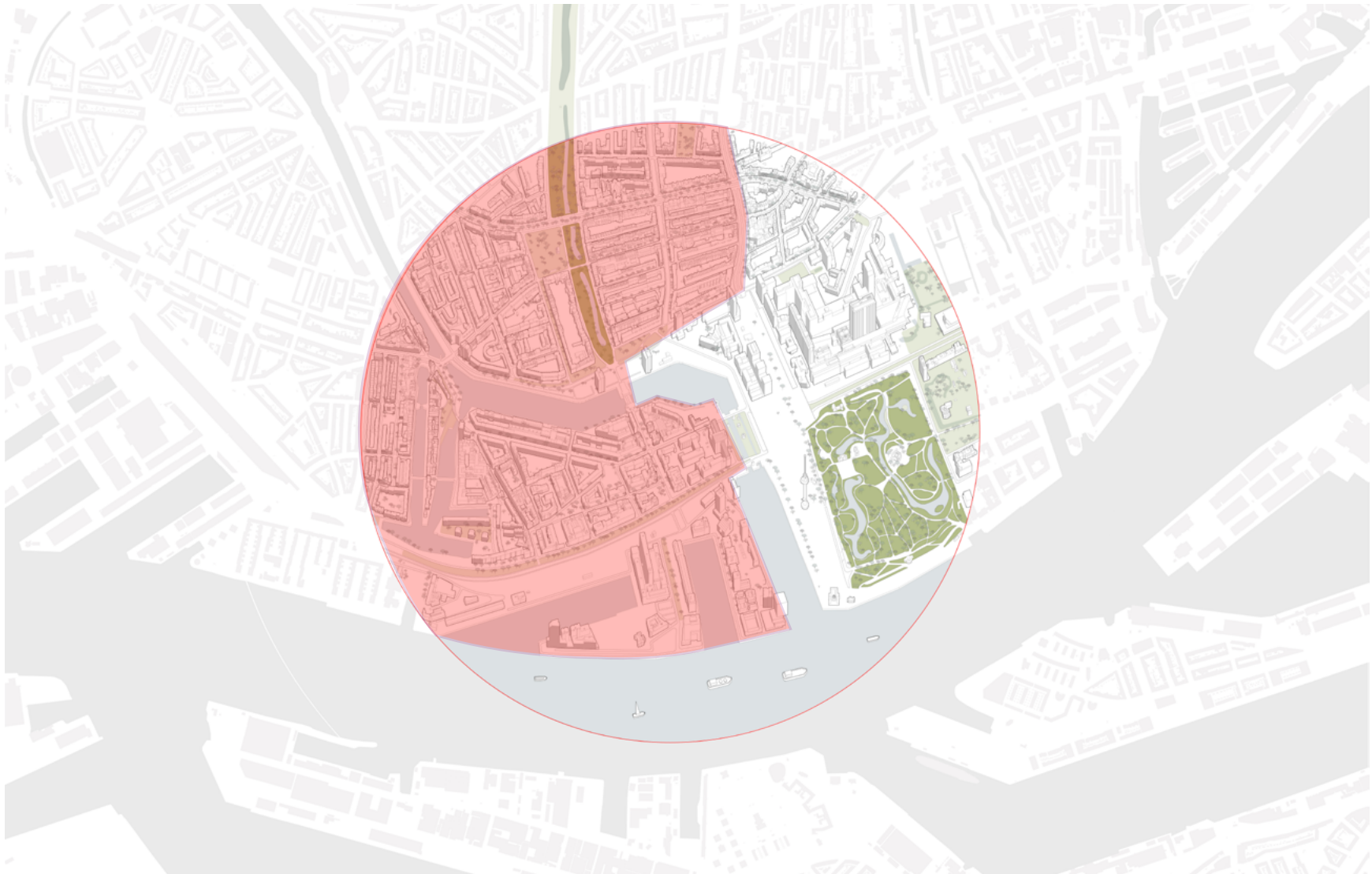


Introduction

Site



Western Archipelago



Delfshaven

Introduction

DELFSHAVEN



DELFSHAVEN

Historical Significance

One of the Places that escaped rotterdam
Bombings

Introduction

DELFSHAVEN



Historical Significance

Historical reflection of Past

DELFHAVEN



Rotterdam na het bombardement van 14 mei 1940.

Historical Significance

Other parts of Rotterdam centrum were
damaged completely

DELFSHAVEN

BEFORE



AFTER



Historical Significance

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

Introduction

Initial Interest



The Skyline

The predominant skyline of rotterdam
was the intial inspiration for the topic of
migration

Introduction

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

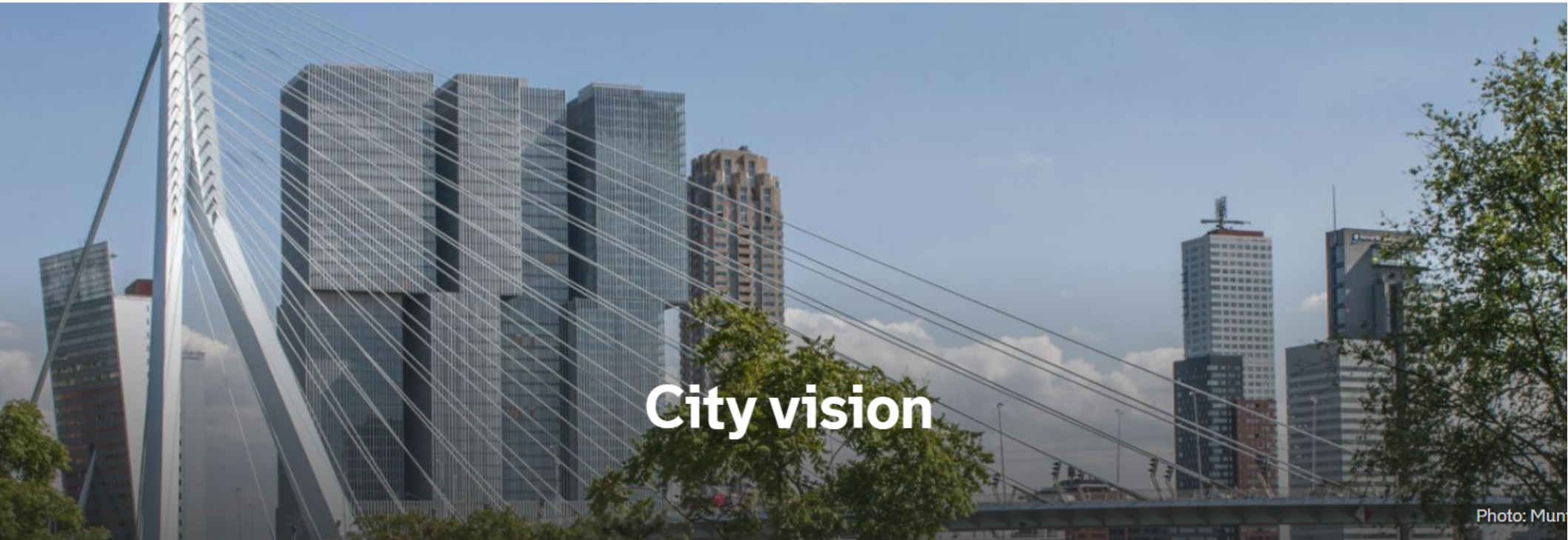


Tokyo Skyline

NESCESSITY

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

City Vision 2030



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

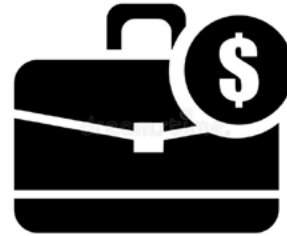
City Vision 2030



Addition of 56,000 houses in
rotterdam



Restructing existing housing
stocks in weaker neighborhood



Accomodate 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



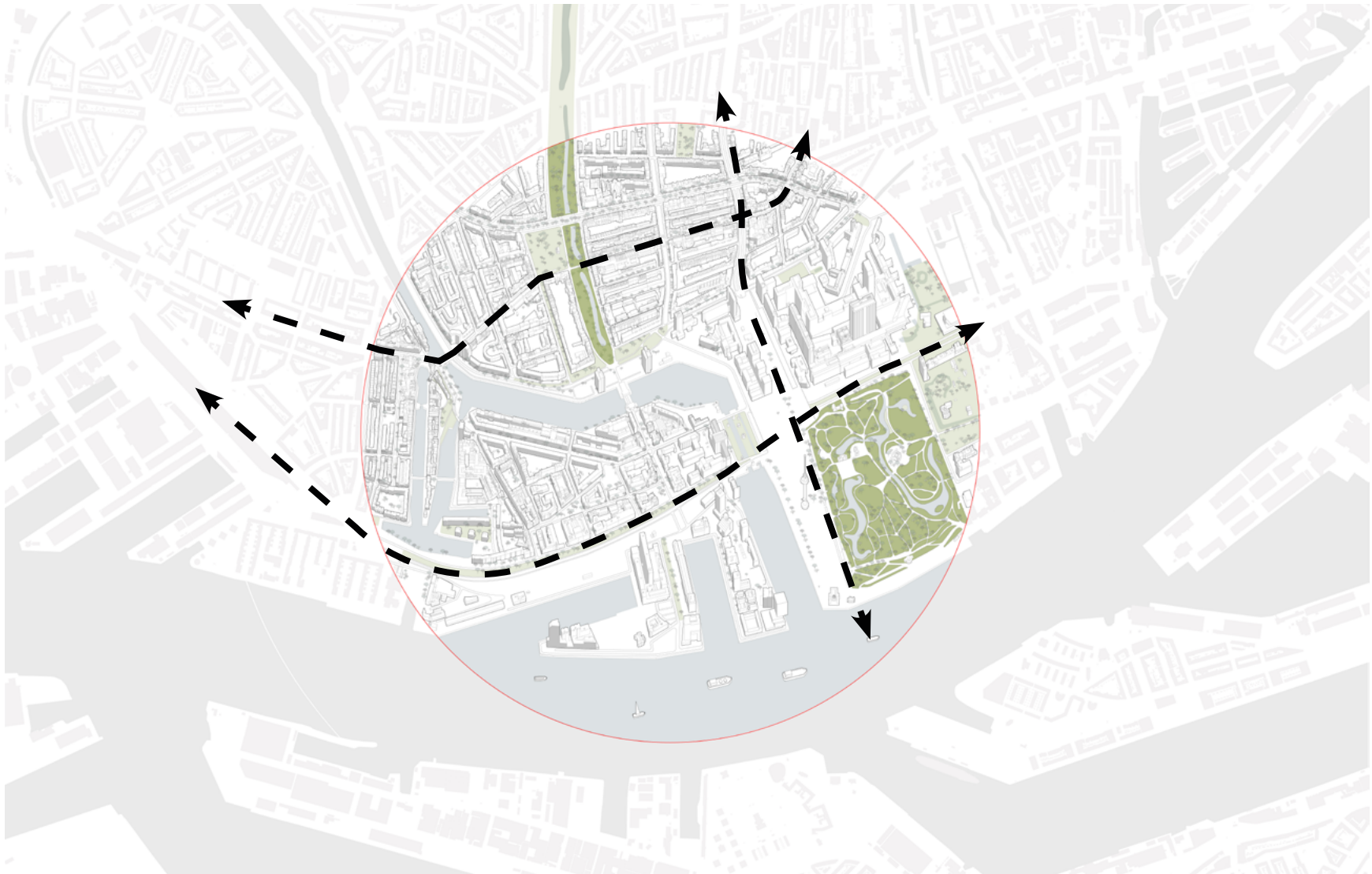
SITE RELEVANCE

Western Archipelago



SITE RELEVANCE

Western Archipelago



Currently a passover location

Western Archipelago



Growing demand for housing



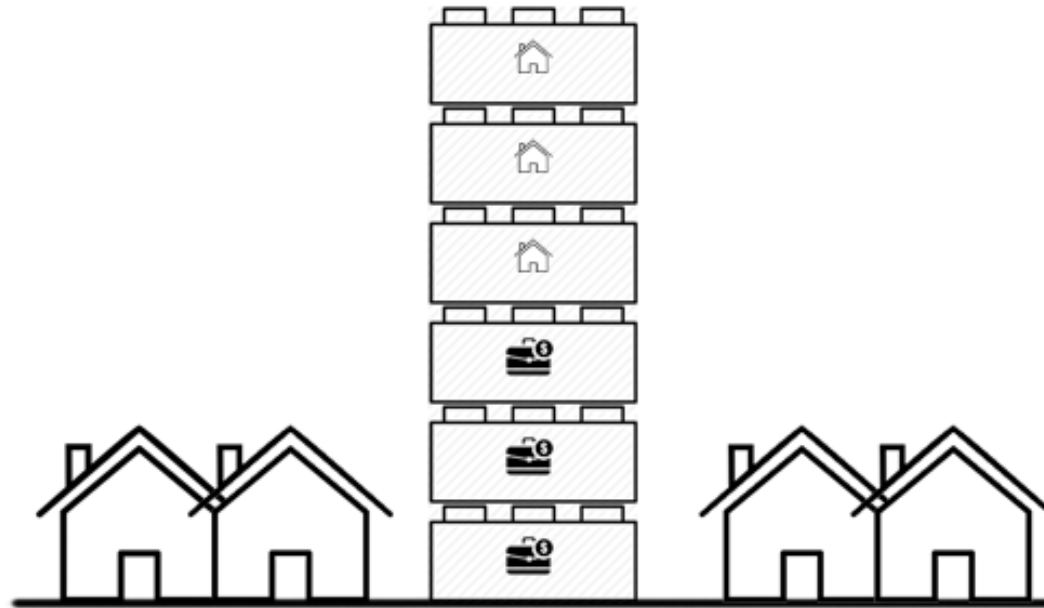
6 % Vacant land for
construction



Need for new business
opportunities

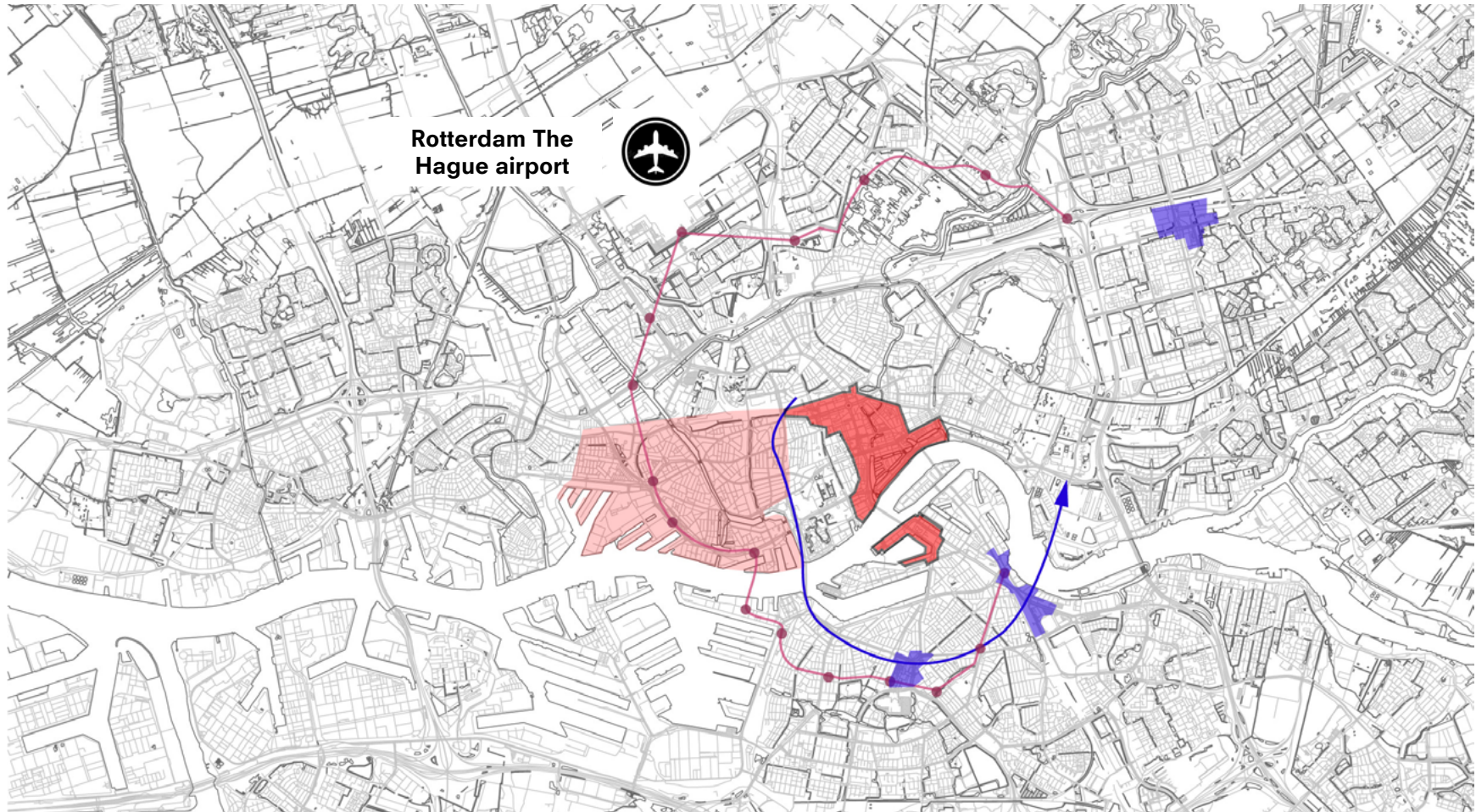
City vision 2030

Western Archipelago



Going Vertical

Western Archipelago



Proposed new extension

Delfshaven becomes a potential extension to the highrise vision

Western Archipelago



Serval 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

Presentation title



Hotel New York

Introduction

Research

Design Brief

Project Concept

Implementation

Development

Conclusion

INDEX

MIGRATION OF A FLAW



Migration of a Flaw



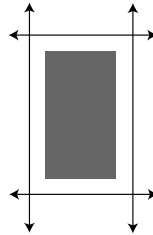
Chicago



New York

Improper Ground plane

Migration of a Flaw

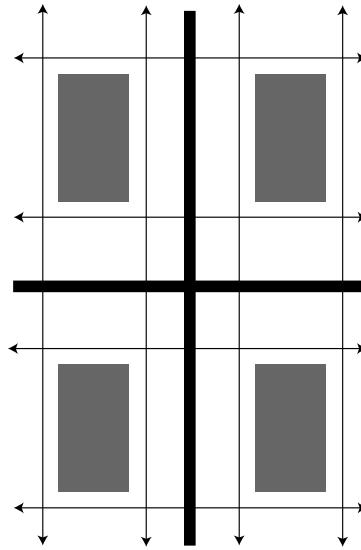


S

Restricts Mobility

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

Migration of a Flaw

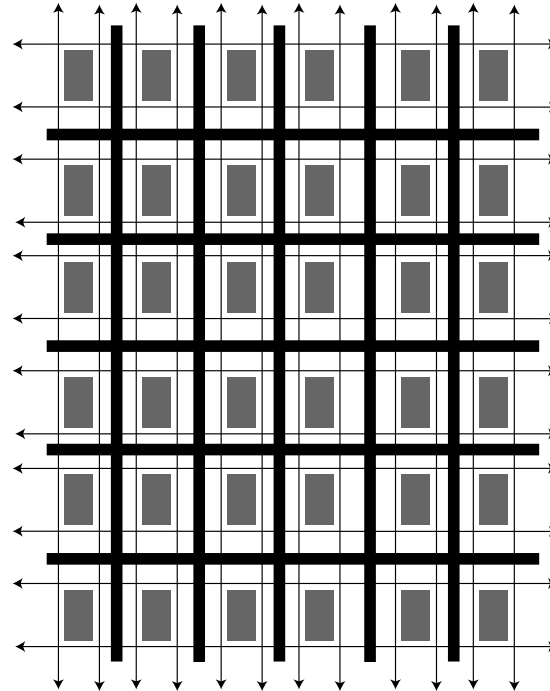


L

Restricts Mobility

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

Migration of a Flaw



XL

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

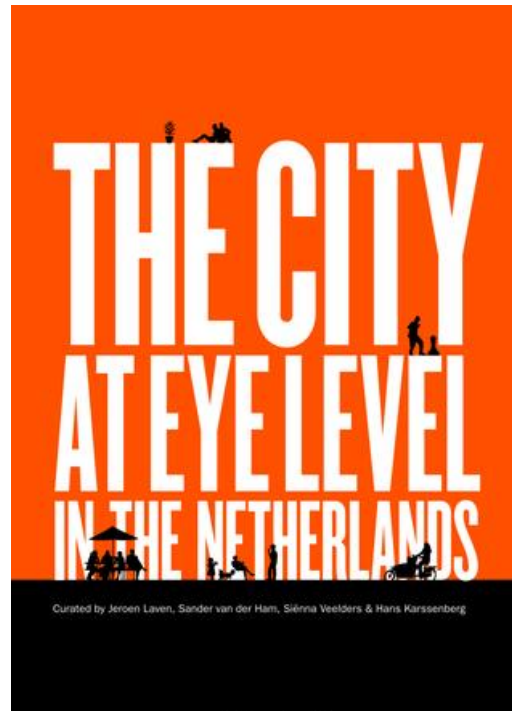
This persistent issue can be seen in the towers of Rotterdam as well where the tower stands isolated

Research

High rise vision 2019

Livable city

Circular city



Accessibility City

Inclusive City

Plinth Strategy

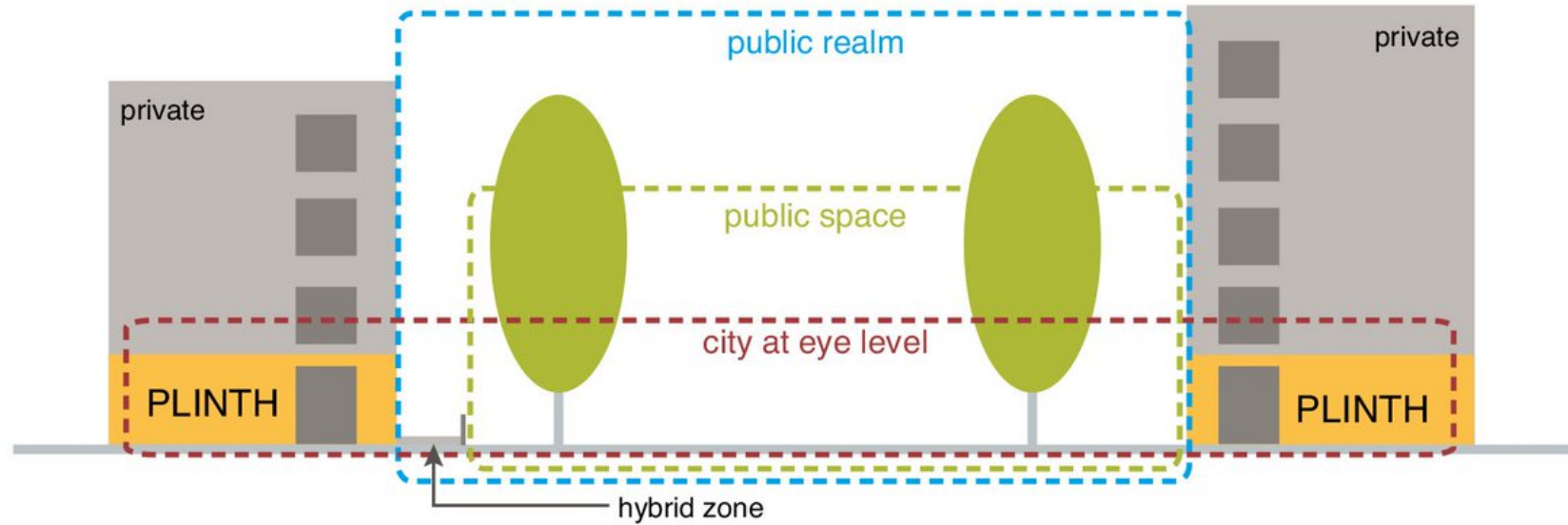
Placemaking

Presentation title



Hotel New York

High rise vision 2019



Plinth Strategy

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

Research

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

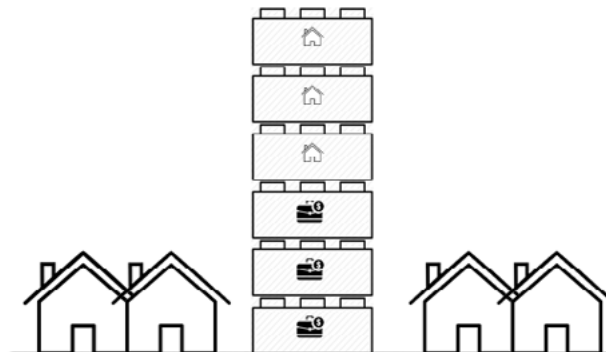
There is no definite way to achieve
efficient urban implementation, answer
lies in the context and surroundings

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



Accomodate densification with
respect to city vision 2030



To bring emphasis to Delfshaven
with an iconic structure

Design Brief

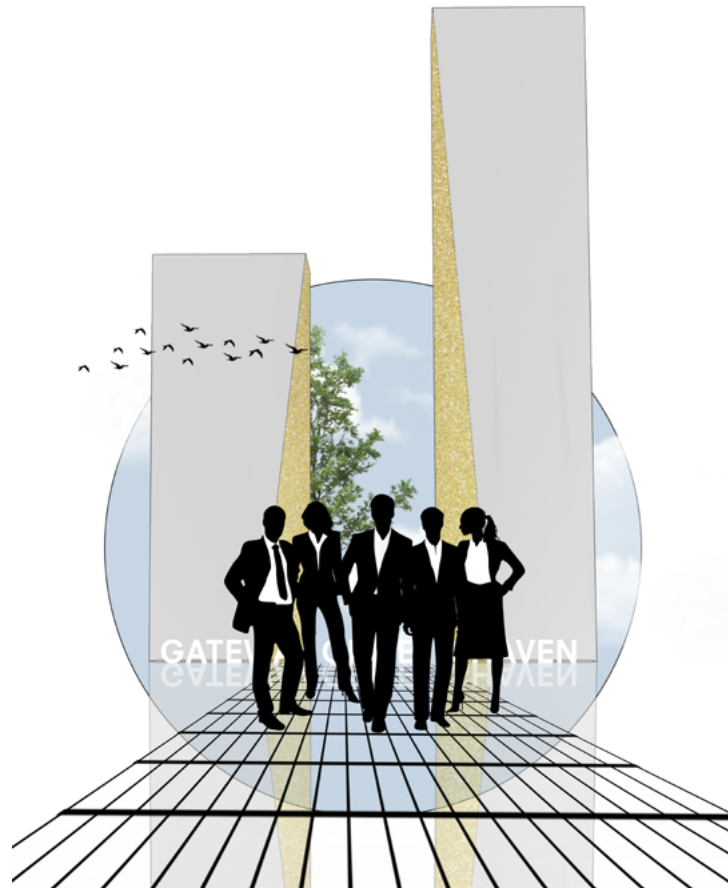
Development Type



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



Accomodate tourism

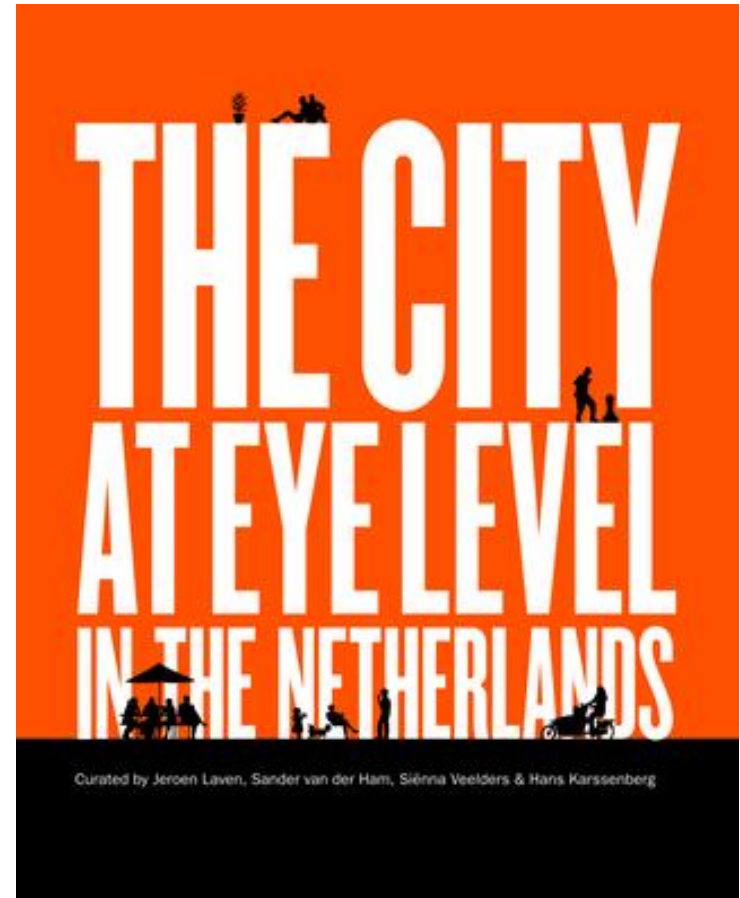


Integrate Commercial & Social spaces for interaction

Urban Ambition

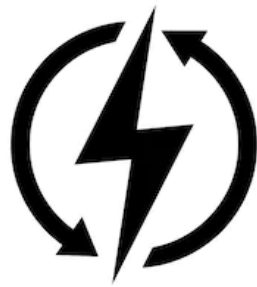


Sense of belonging



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



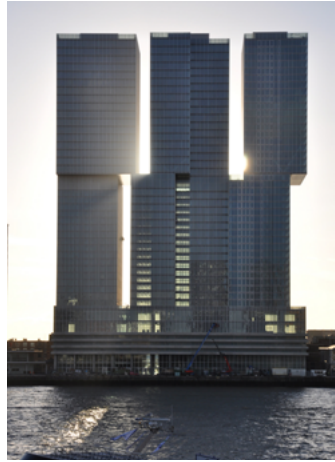
Edge Technologies



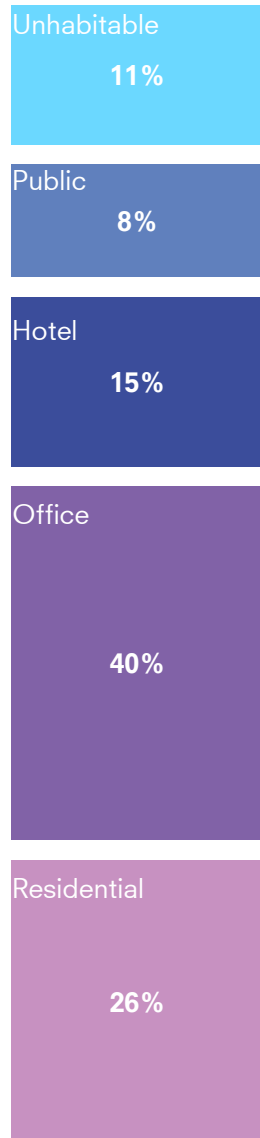
Gemeente Rotterdam

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

Precedent Analysis

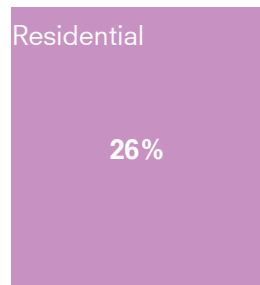
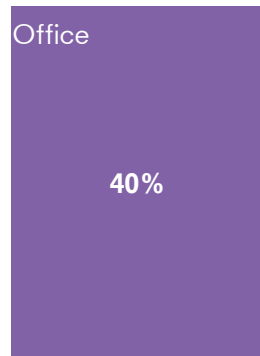
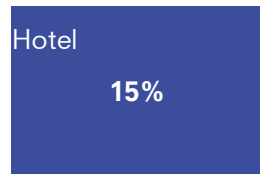
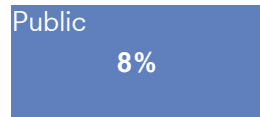


Program

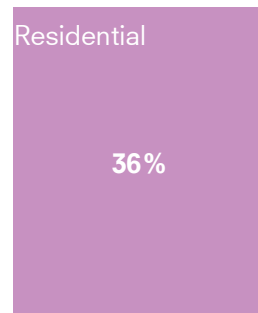
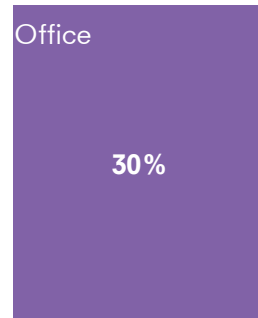
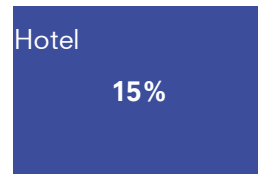
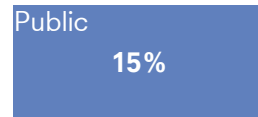
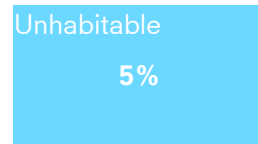


**Average program
distribution of mixed use
skyscrapers**

Program

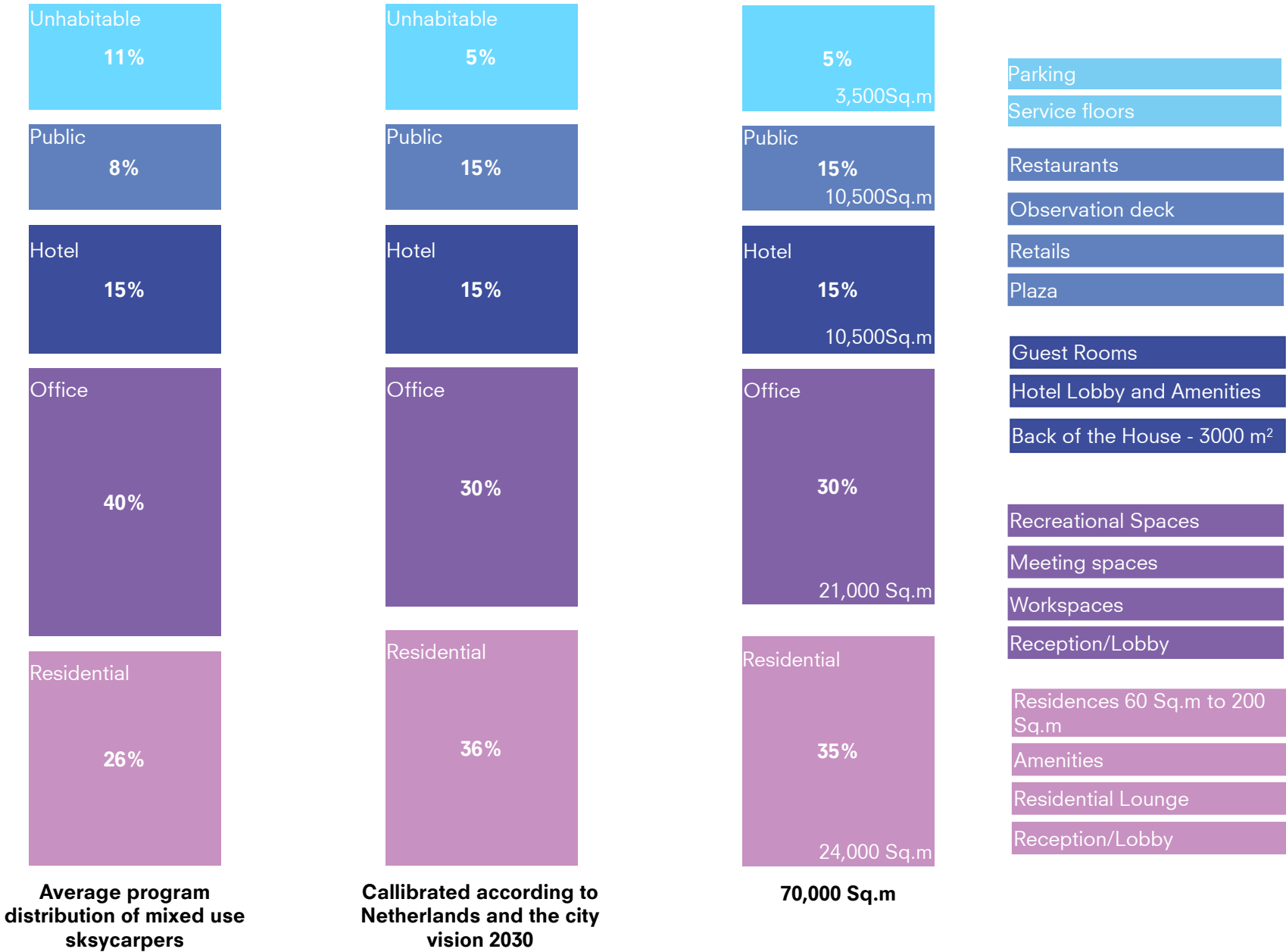


**Average program
distribution of mixed use
skyscrapers**



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

Program



Site Selection



Ideal location for the skyscraper

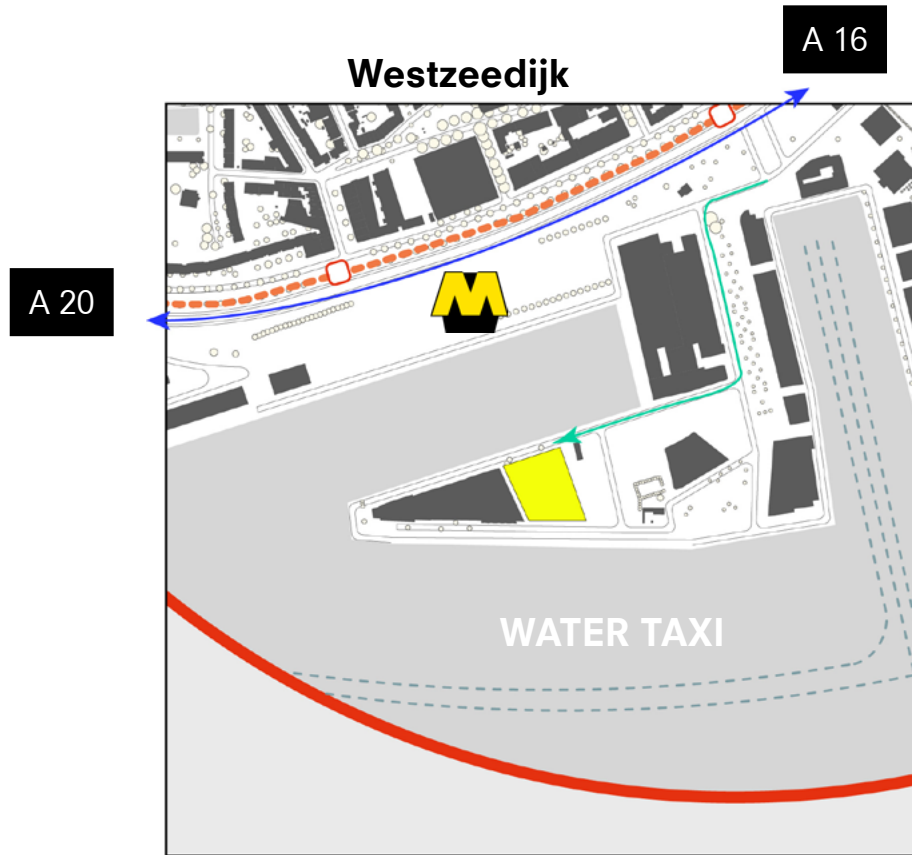
Design Brief

Site Selection

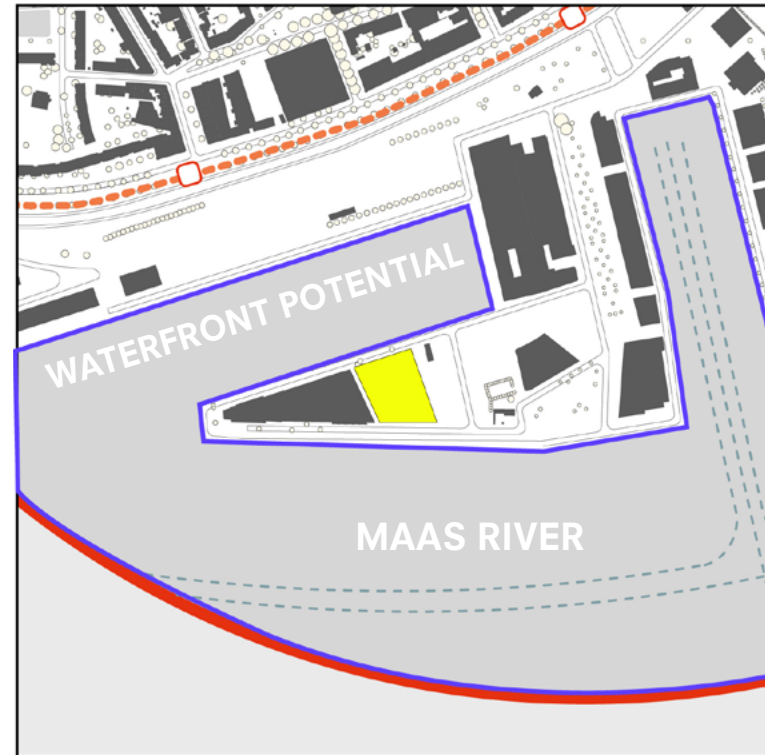
INFRASTRUCTURE

A stylized map of a city, likely New York City, showing a dense network of streets and a river. The map is rendered in dark colors with yellow and orange lines highlighting specific infrastructure or road networks. A white circle is drawn on the map, indicating a specific site of interest. The word "INFRASTRUCTURE" is overlaid on the left side of the map in a bold, white, sans-serif font.

Site Selection



Accessibility



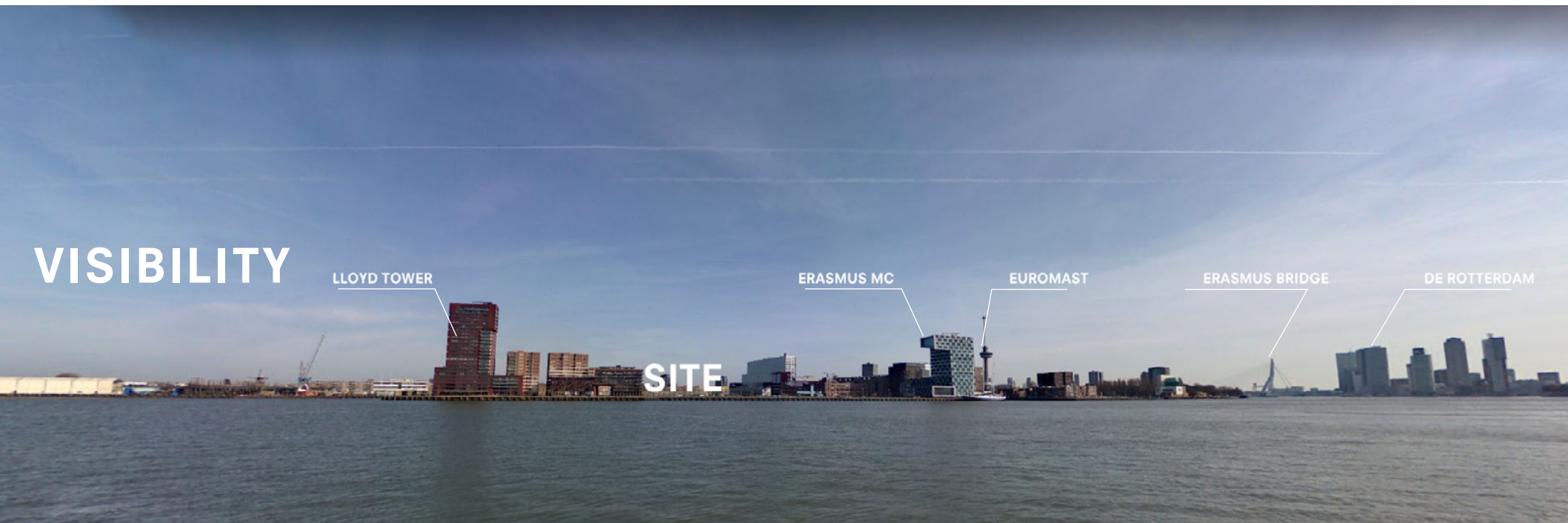
Site Quality

- Primary Road
- Secondary Road

Movement of Traffic

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

Site Selection



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



Outdoor based Interactions

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

Concept

Contextual specificity



Normal day



Market day



Christmas

Flexible outdoor spaces

Concept

Contextual specificity



Hybrid Spaces

Outdoor Cafe's and
restaurants

Concept

Contextual specificity



Narrow streets of Netherlands



Facade types

Character of Netherlands

Concept

Heritage Fabric

WHAT WOULD CONTEXTUALITY MEAN TO DIFFERENT USER GROUPS ?



Concept

Heritage Fabric



Local Experience

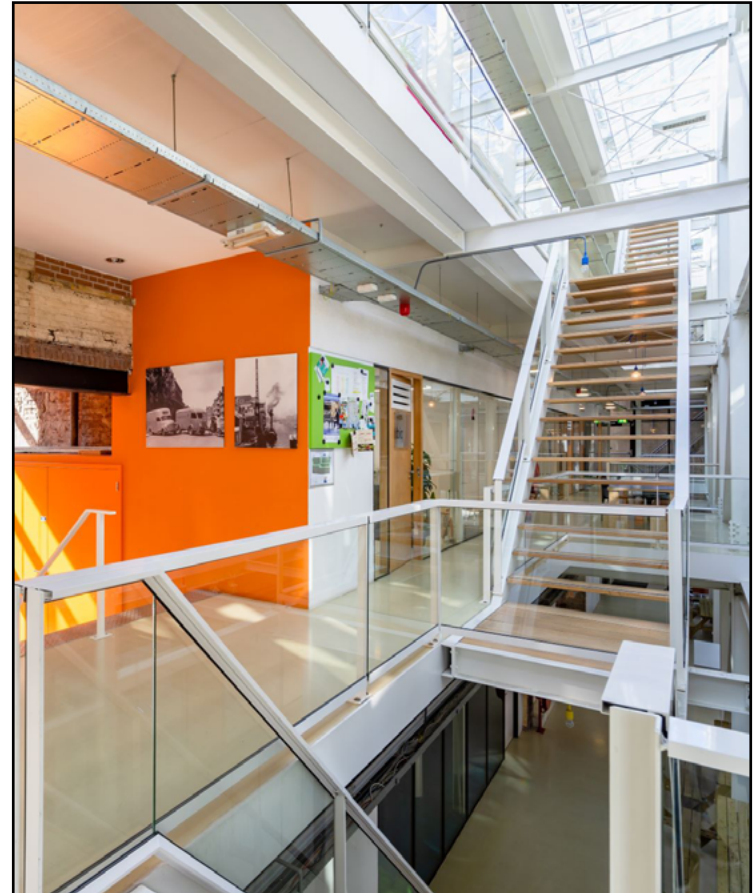


Relevance

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

Concept

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

Concept

Key factors

**Heritage Fabric of
the city**

**Urban Street life
Connection**

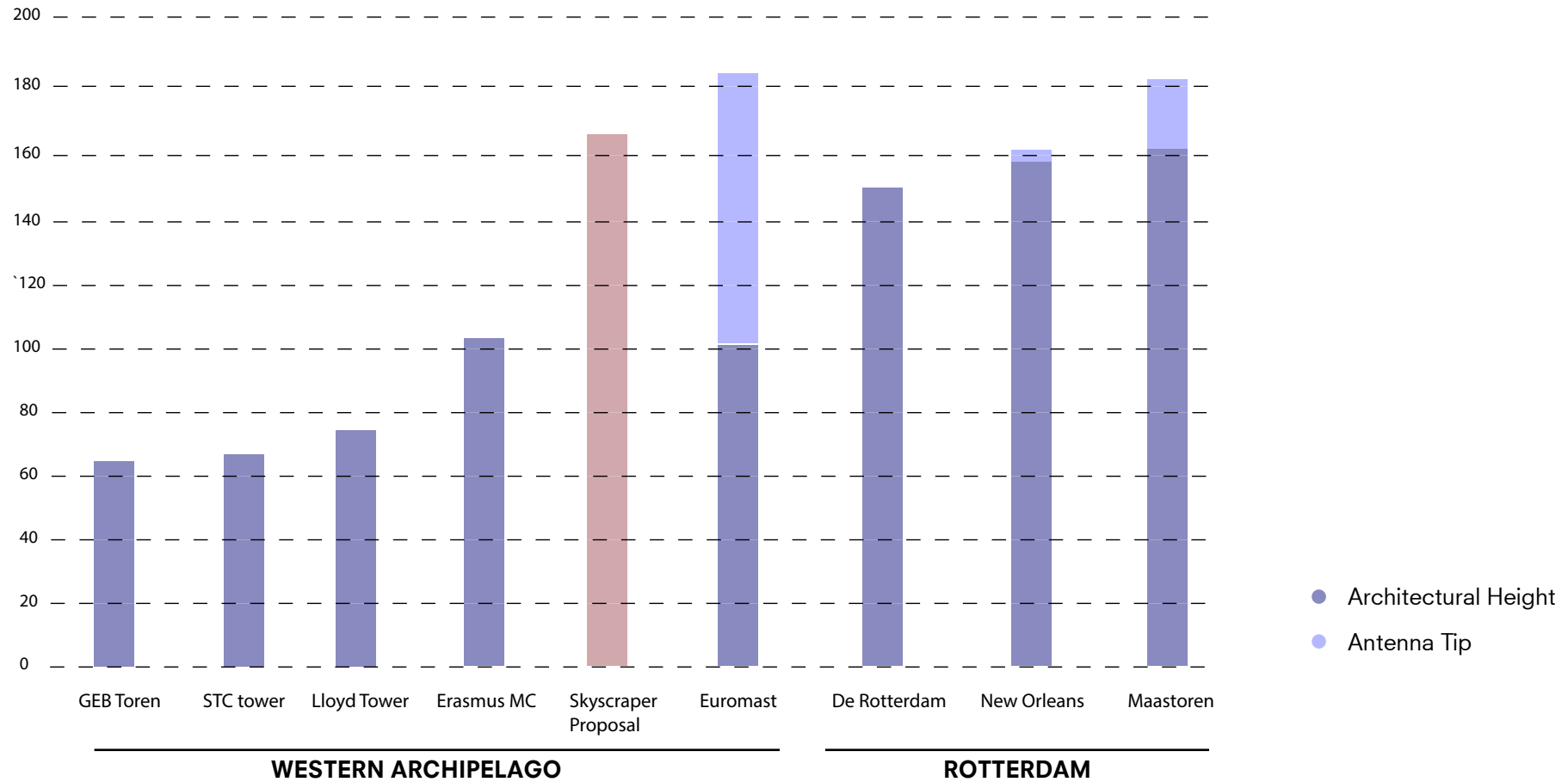
**Relation to Human
scale**

Sense of belonging

Urban implementation in Delfshaven

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

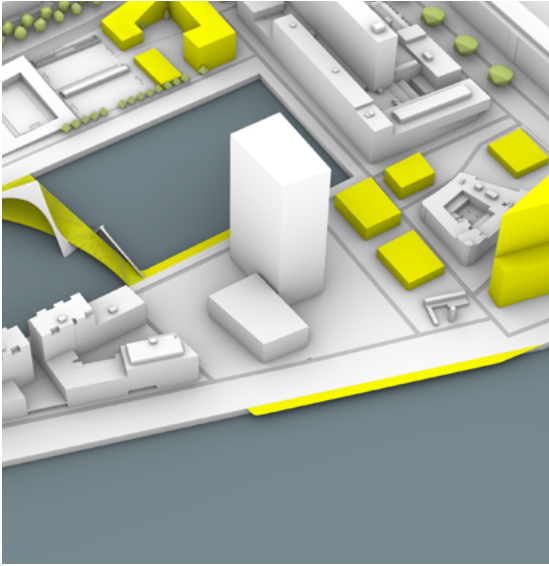
Heritage Fabric



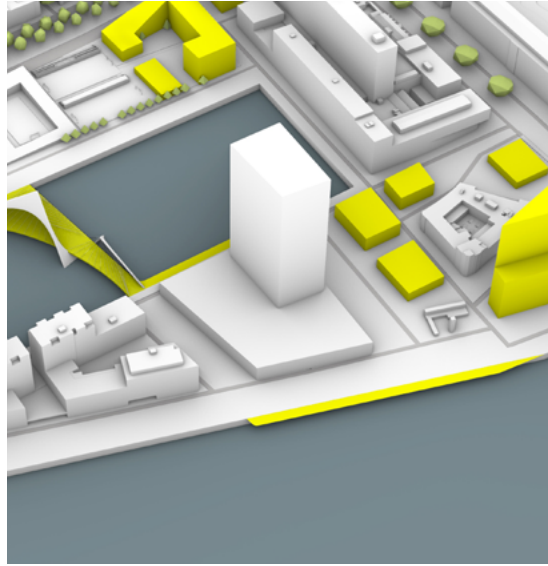
Height restriction with
respect to Euromast

Concept

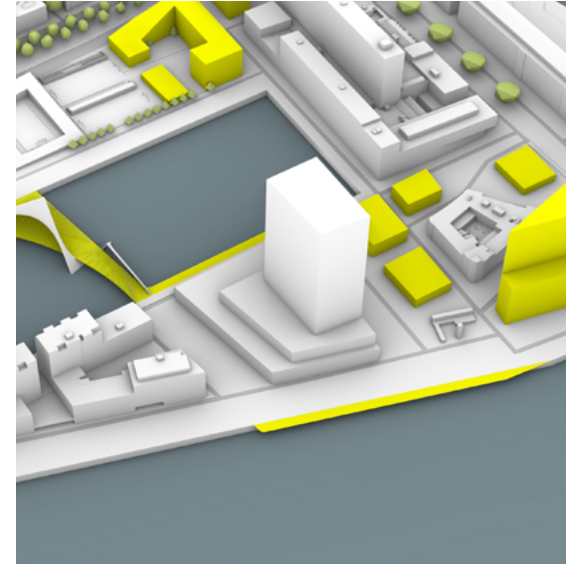
Massing Studies



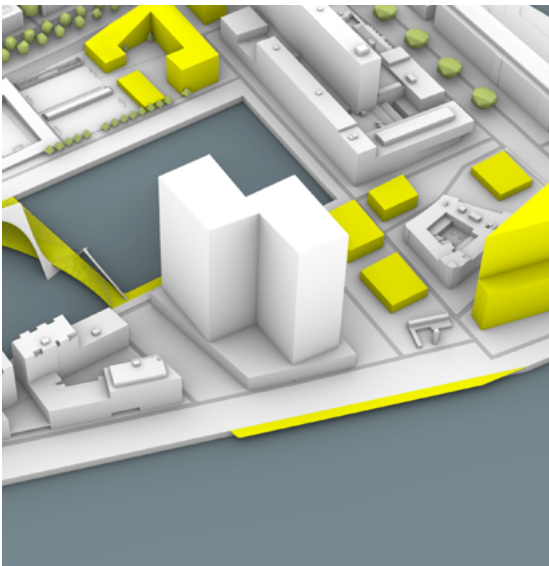
Two block



Podium



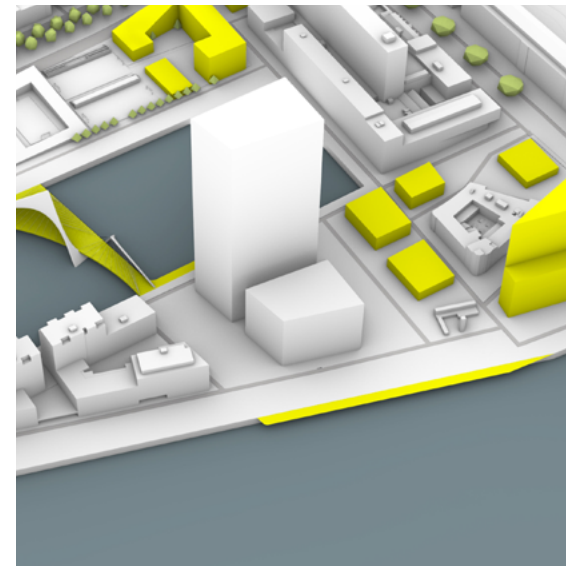
Stepped



Twin tower



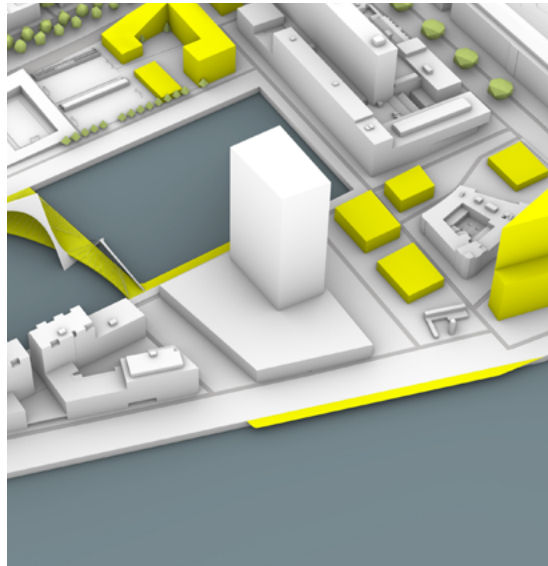
Iconic



Two tower

Concept

Massing Studies



Podium

Heritage Fabric of
the city

Urban Street life
connction

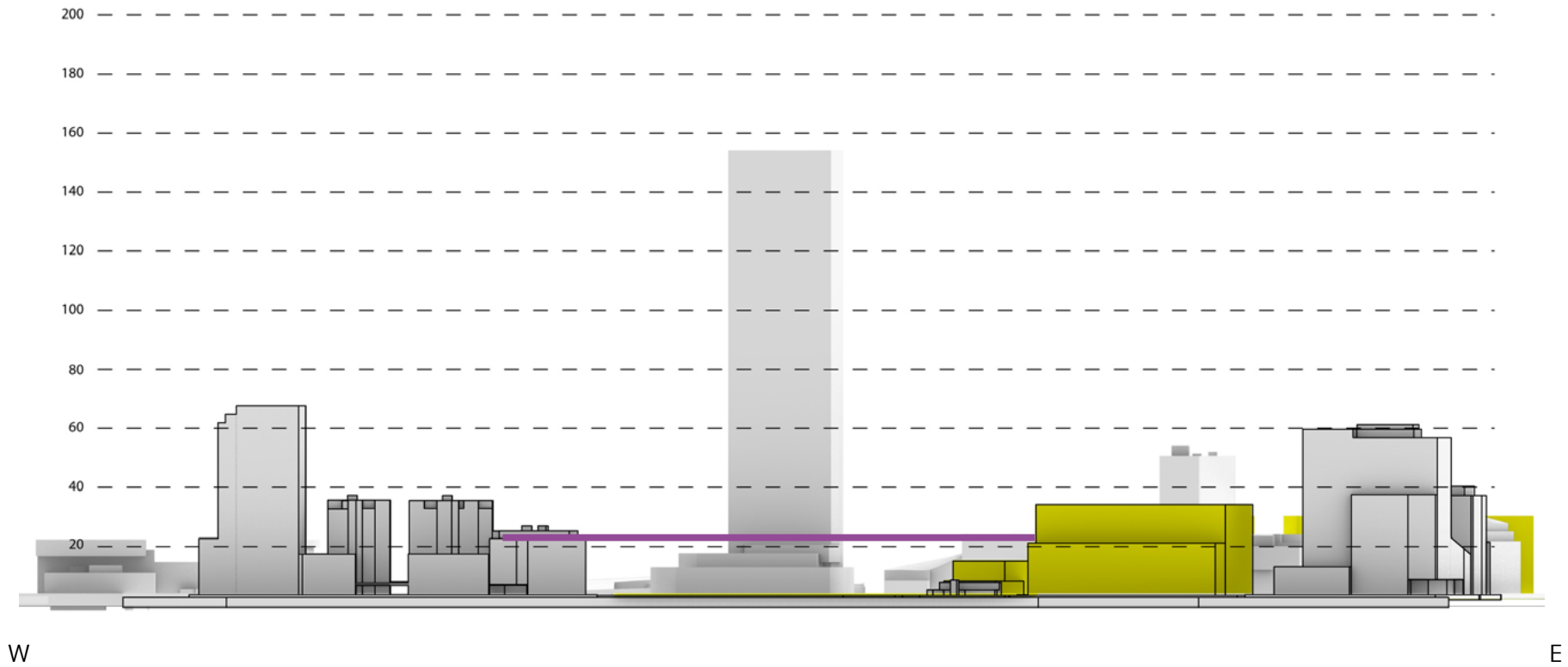
**Relation to Human
scale**

Sense of
belonging

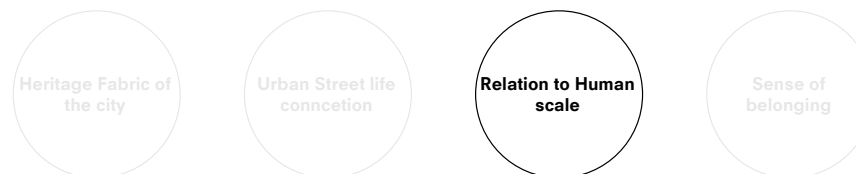


Concept

Massing Studies

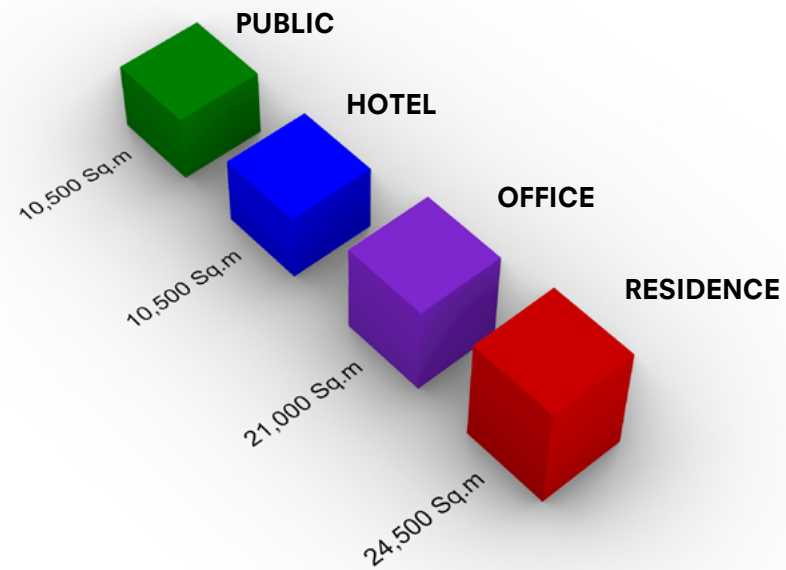


Site Elevation



Concept

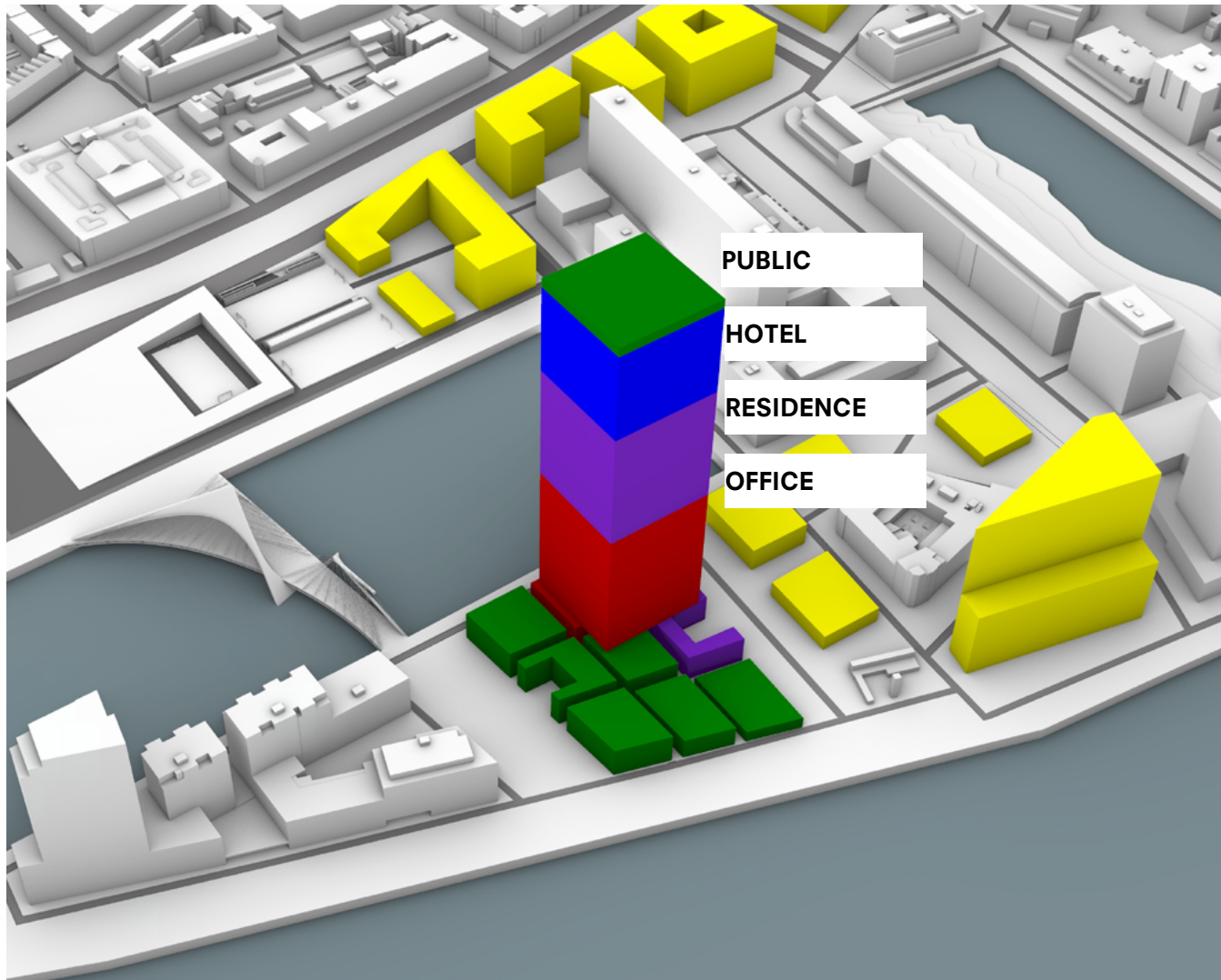
Program Studies



Site Elevation

Concept

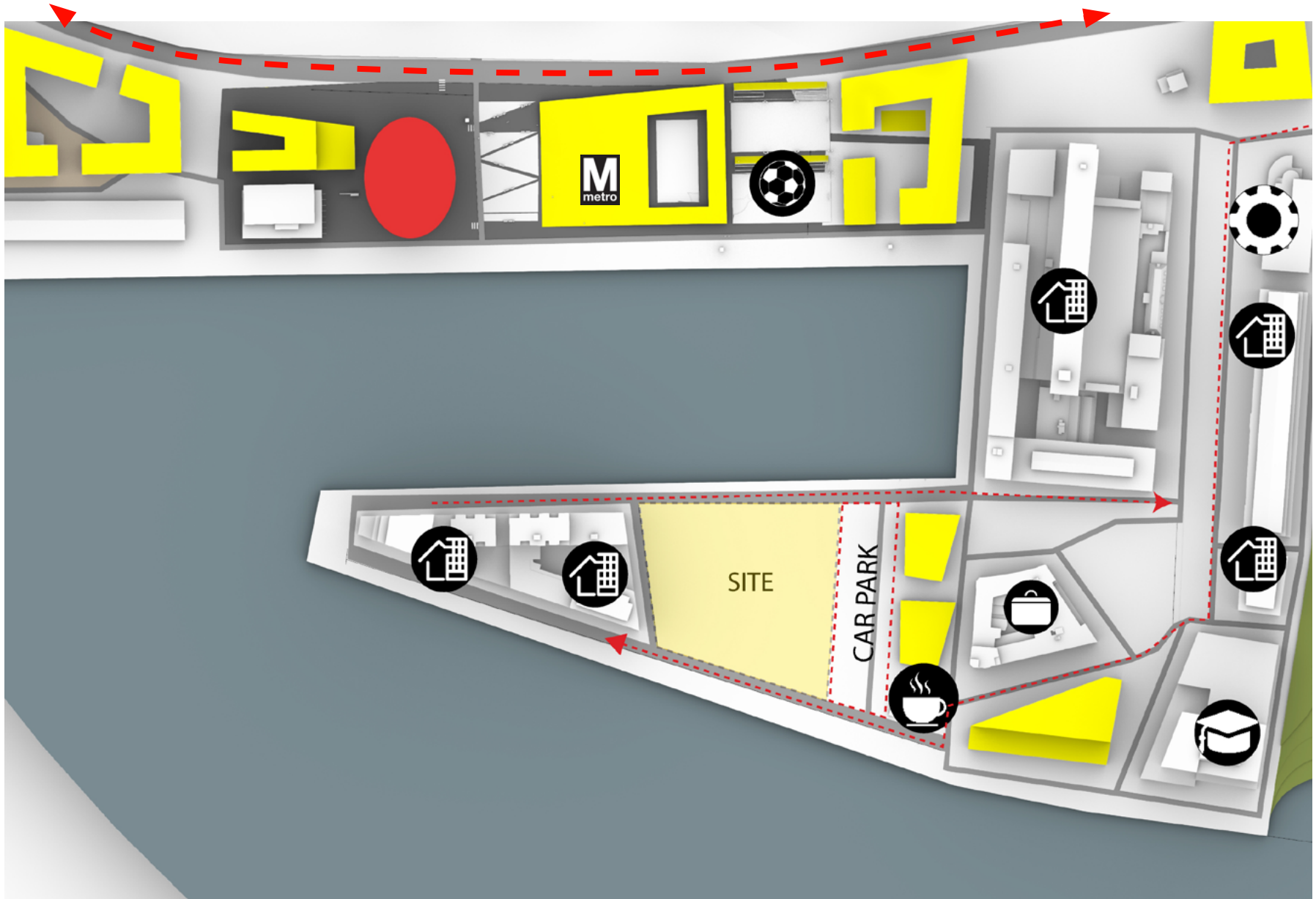
Massing Studies



Site Elevation

Concept

Site Development

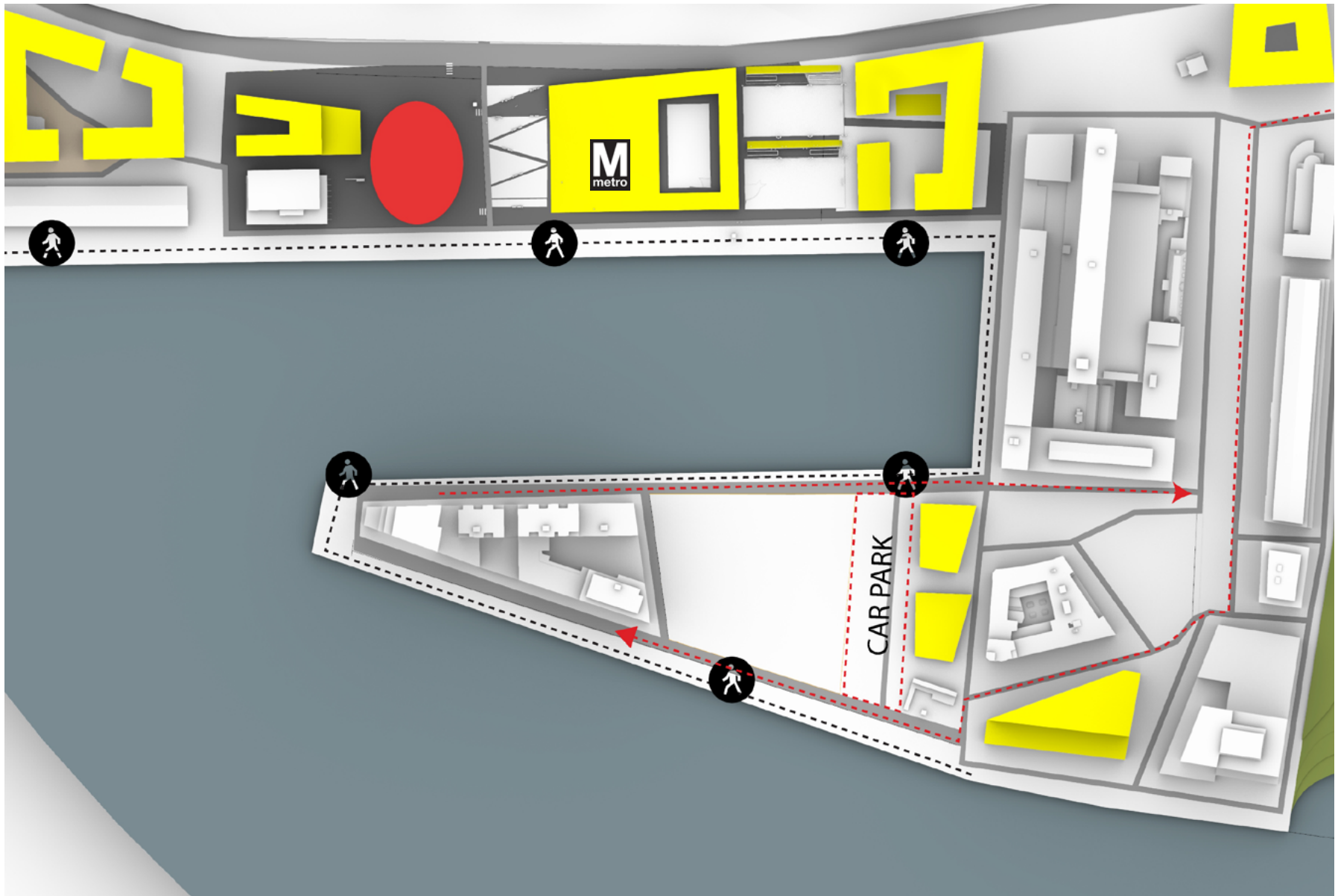


Car traffic



Concept

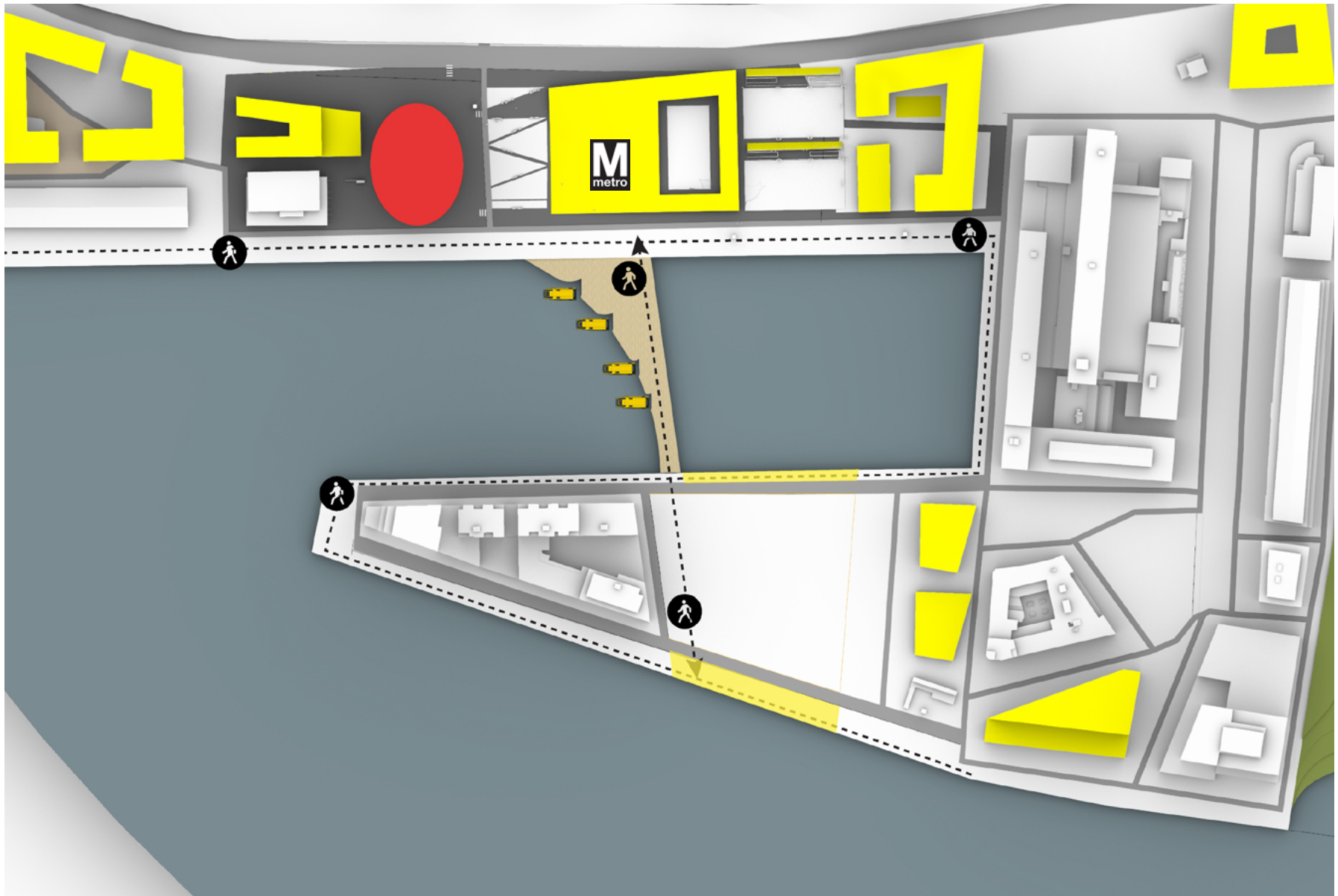
Site Development



Pedestrian Flow

Concept

Site Development



Waterfront opportunities

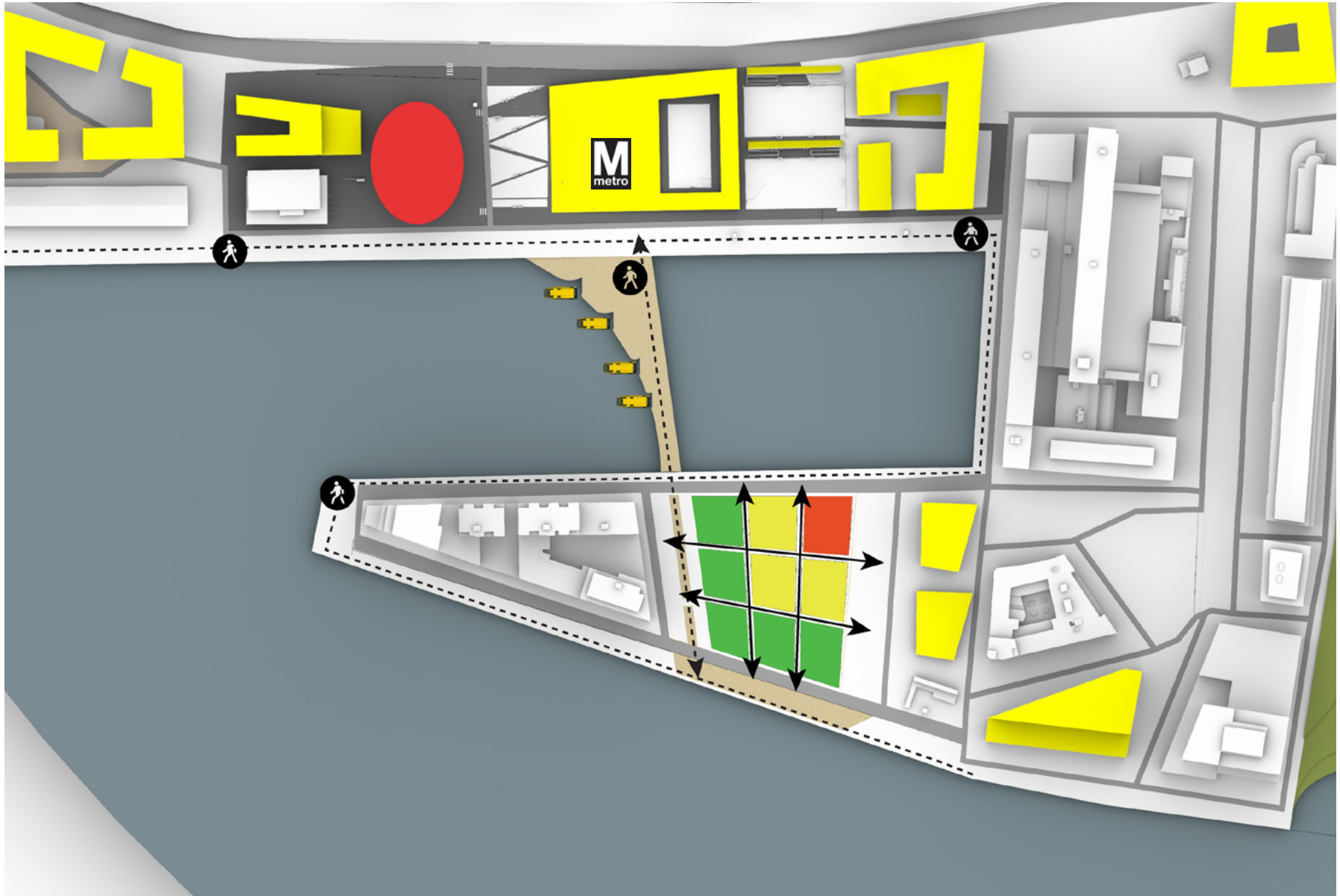
Presentation title



Hotel New York

Concept

Site Development



Privacy Division

Presentation title



Hotel New York

- Public
- Semi private
- Private

Concept

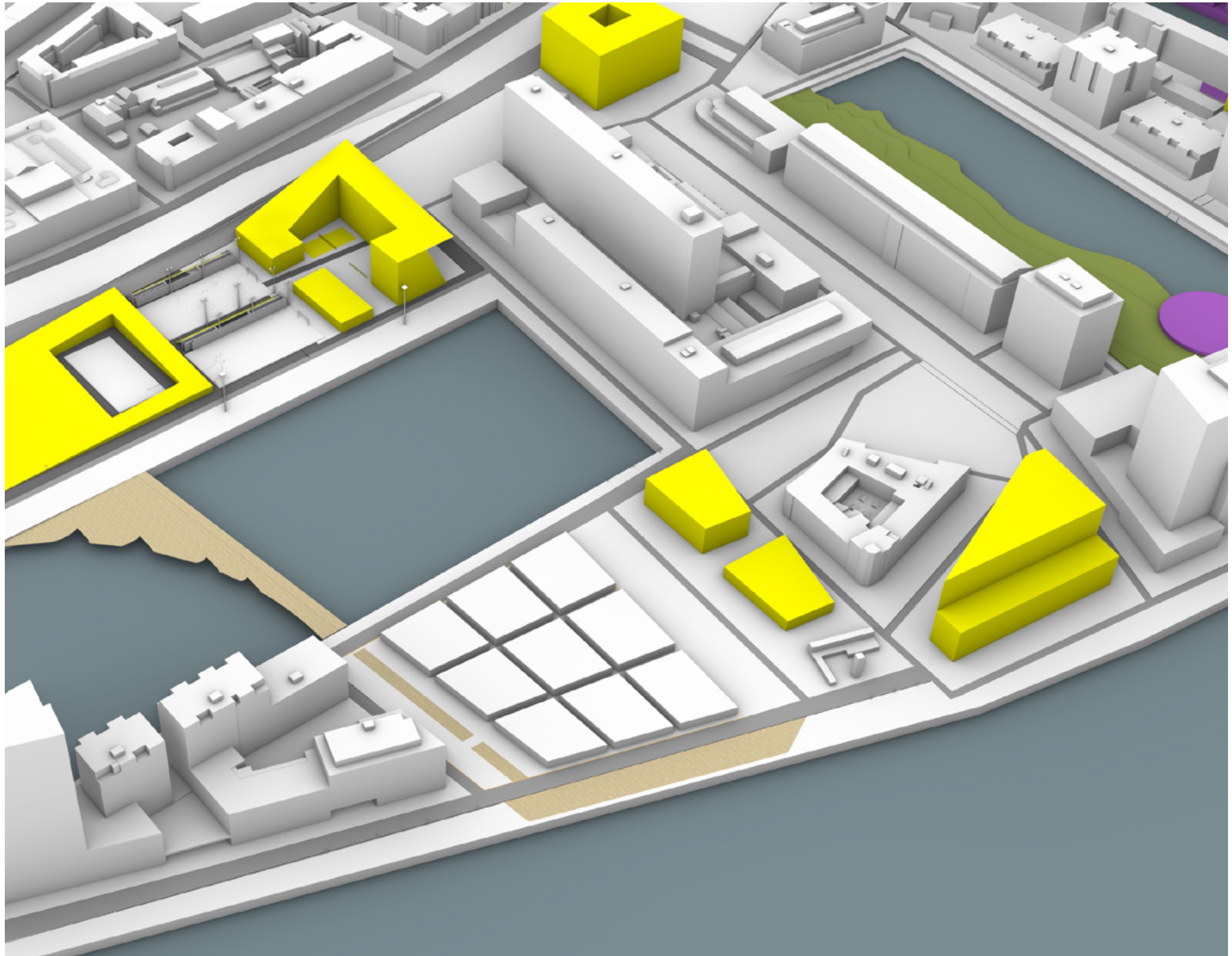
Site Development

Heritage Fabric of
the city

Urban Street life
conncetion

Relation to Human
scale

Sense of
belonging



Network of streets

Presentation title



Hotel New York

Concept

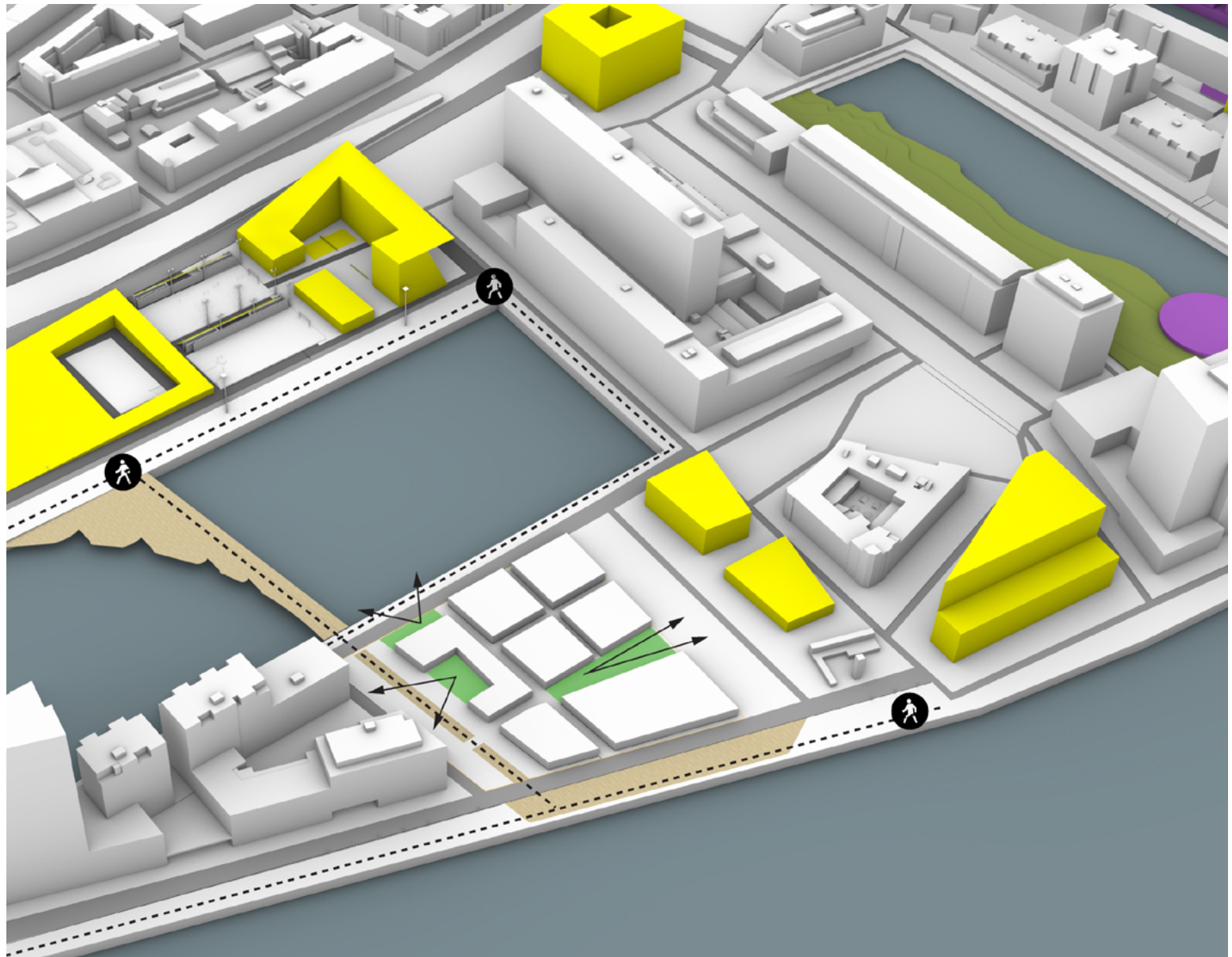
Site Development

Heritage Fabric of
the city

Urban Street life
connction

Relation to Human
scale

Sense of
belonging



Voids cut out

Concept

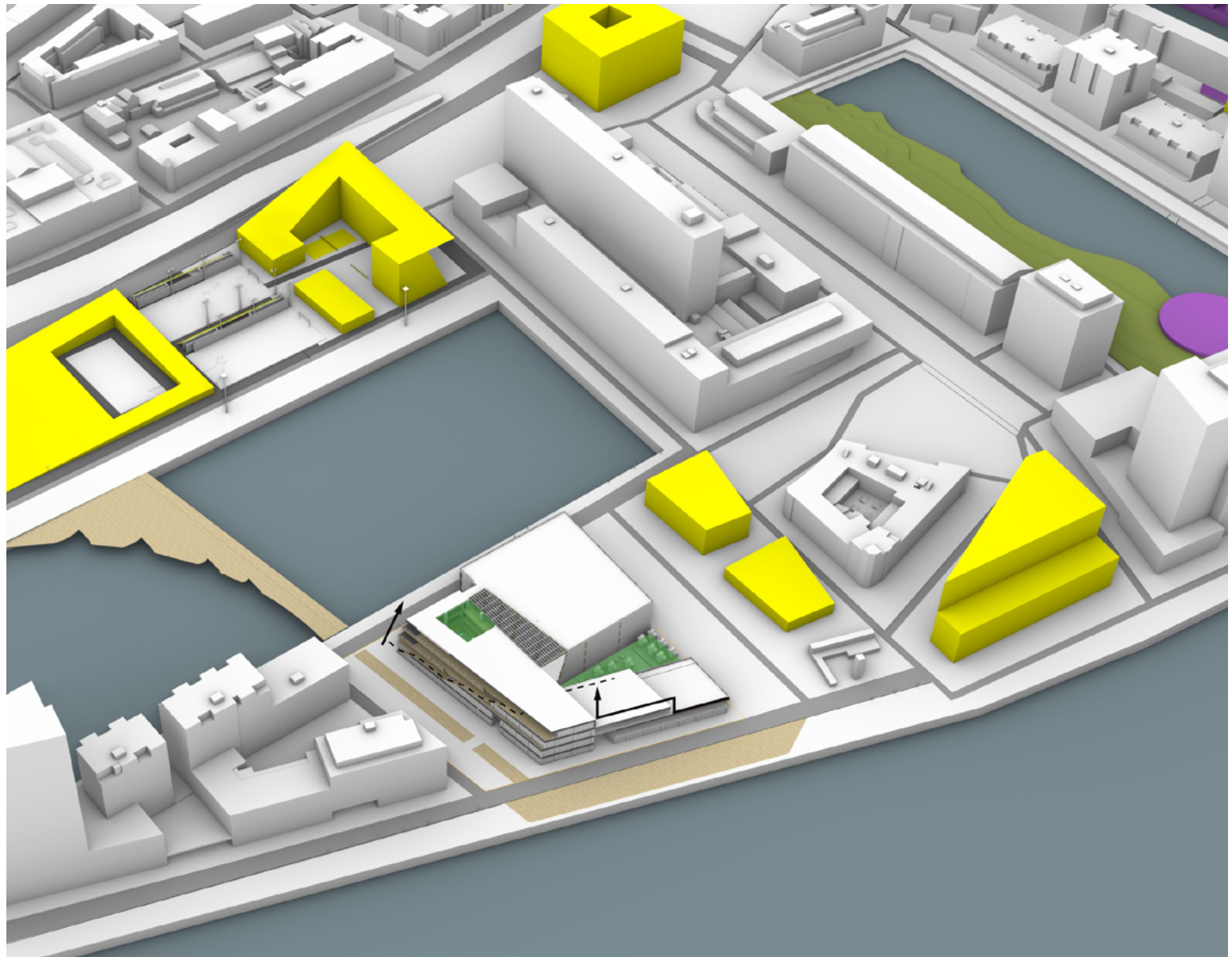
Site Development

Heritage Fabric of
the city

Urban Street life
connction

Relation to Human
scale

Sense of
belonging



Podium structure - stepped

Concept

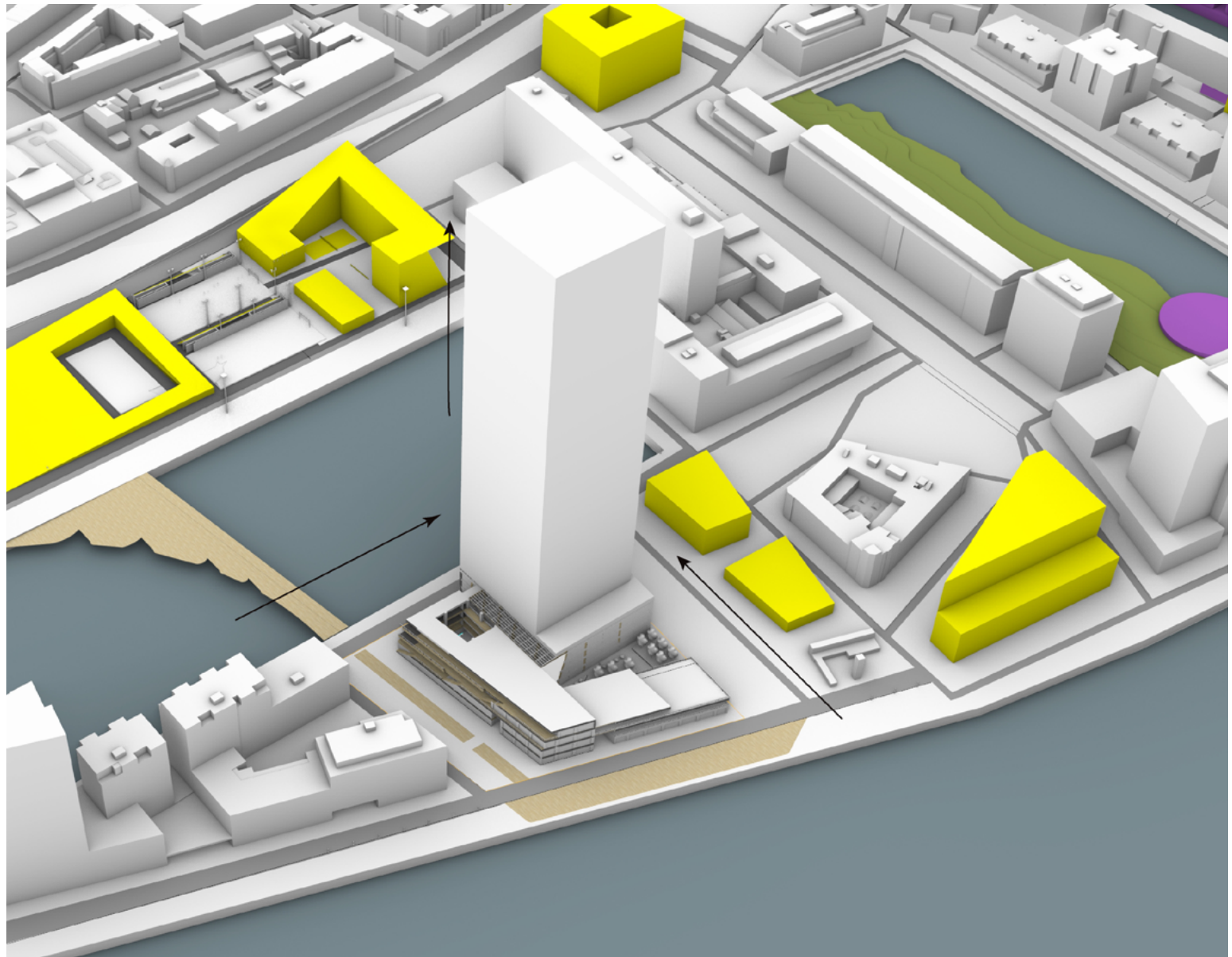
Site Development

Heritage Fabric of
the city

Urban Street life
conncetion

Relation to Human
scale

Sense of
belonging



Tower Placement

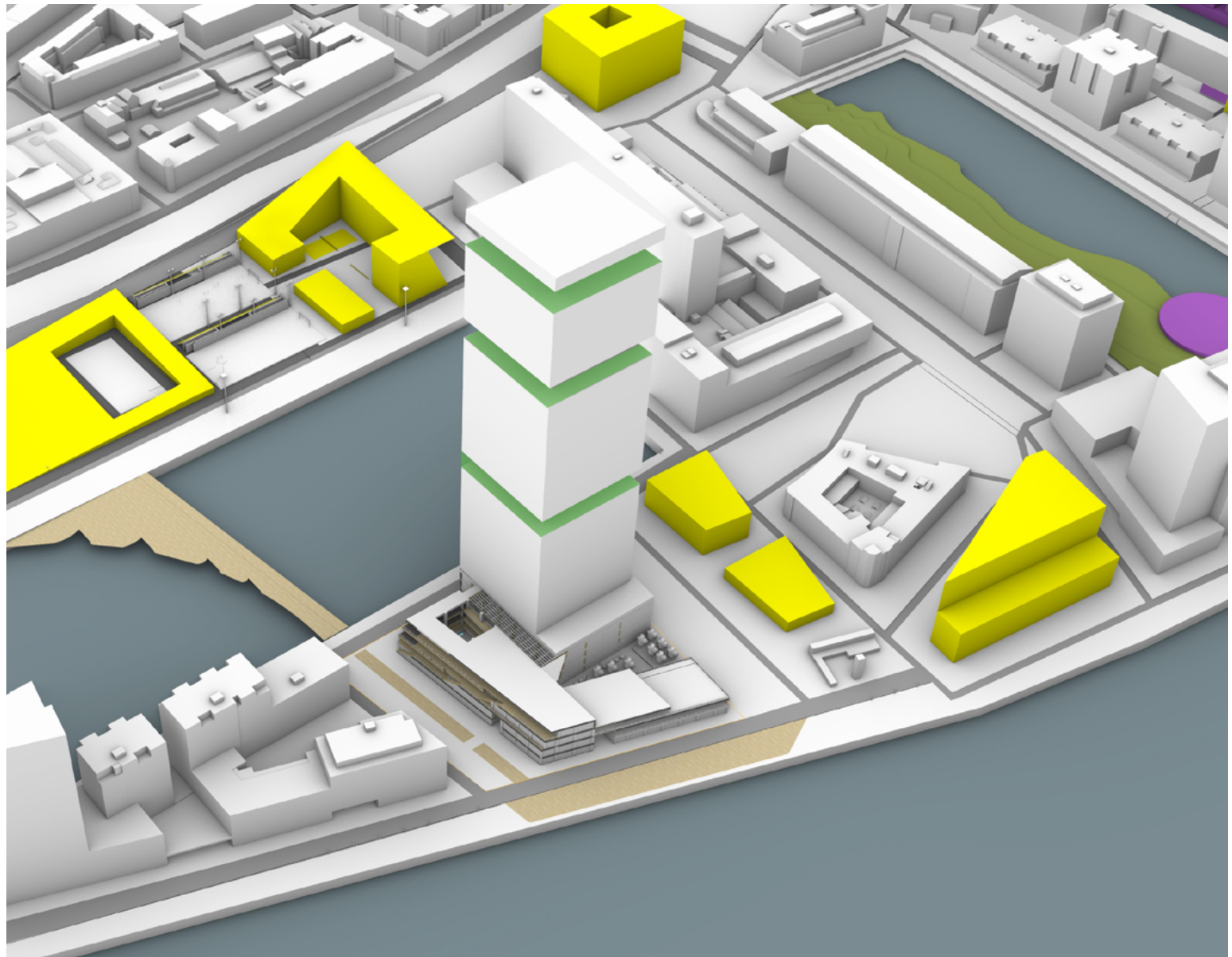
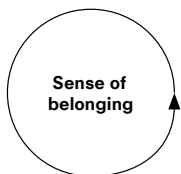
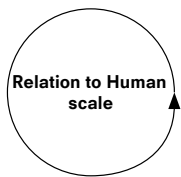
Presentation title



Hotel New York

Concept

Site Development



Compartmentalizing

Presentation title



Hotel New York

Concept

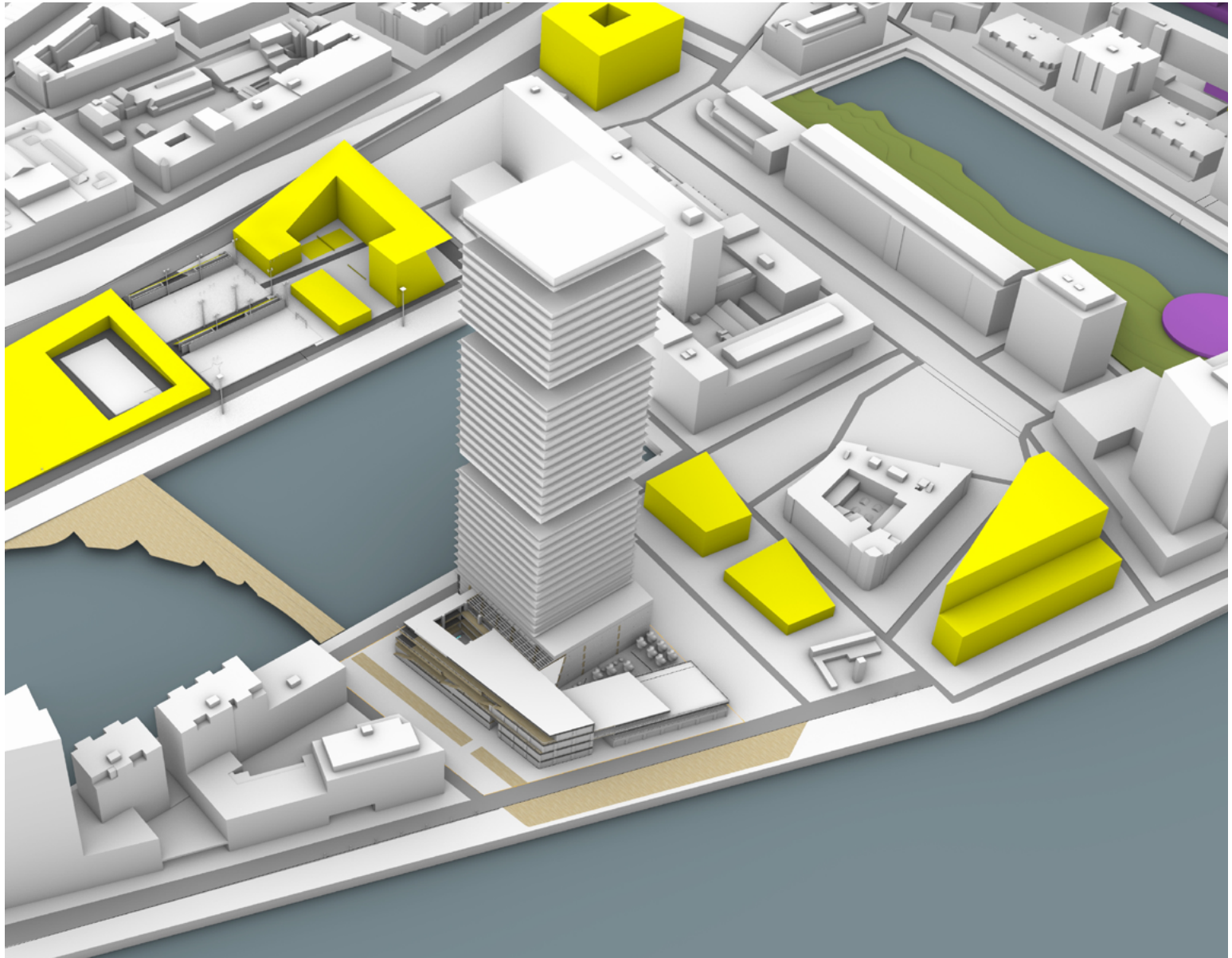
Site Development

Heritage Fabric of
the city

Urban Street life
connction

Relation to Human
scale

Sense of
belonging



Overhangs to provide shade

Concept

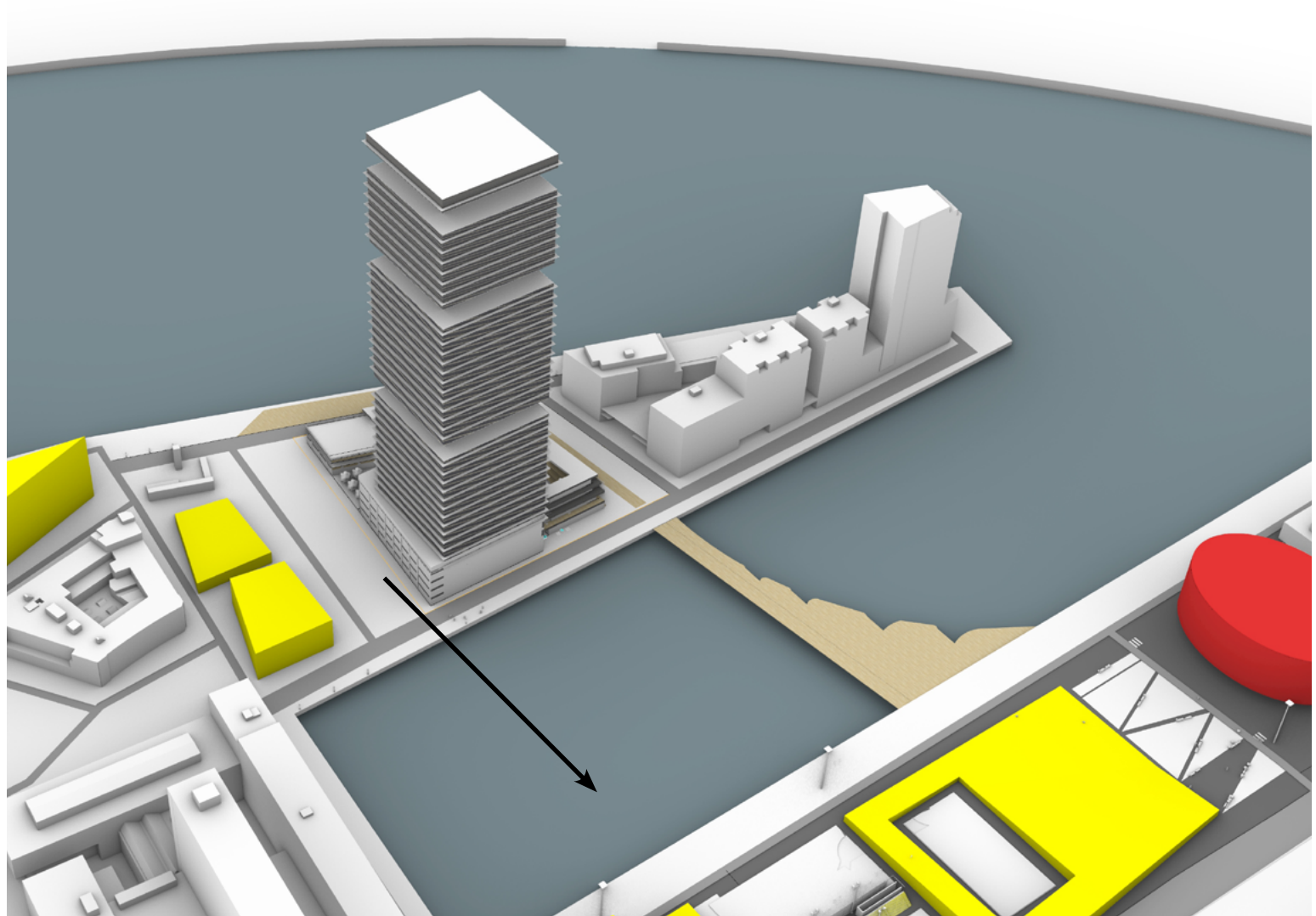
Site Development

Heritage Fabric of
the city

Urban Street life
conncetion

Relation to Human
scale

Sense of
belonging



Contextual material

Presentation title



Hotel New York

Concept

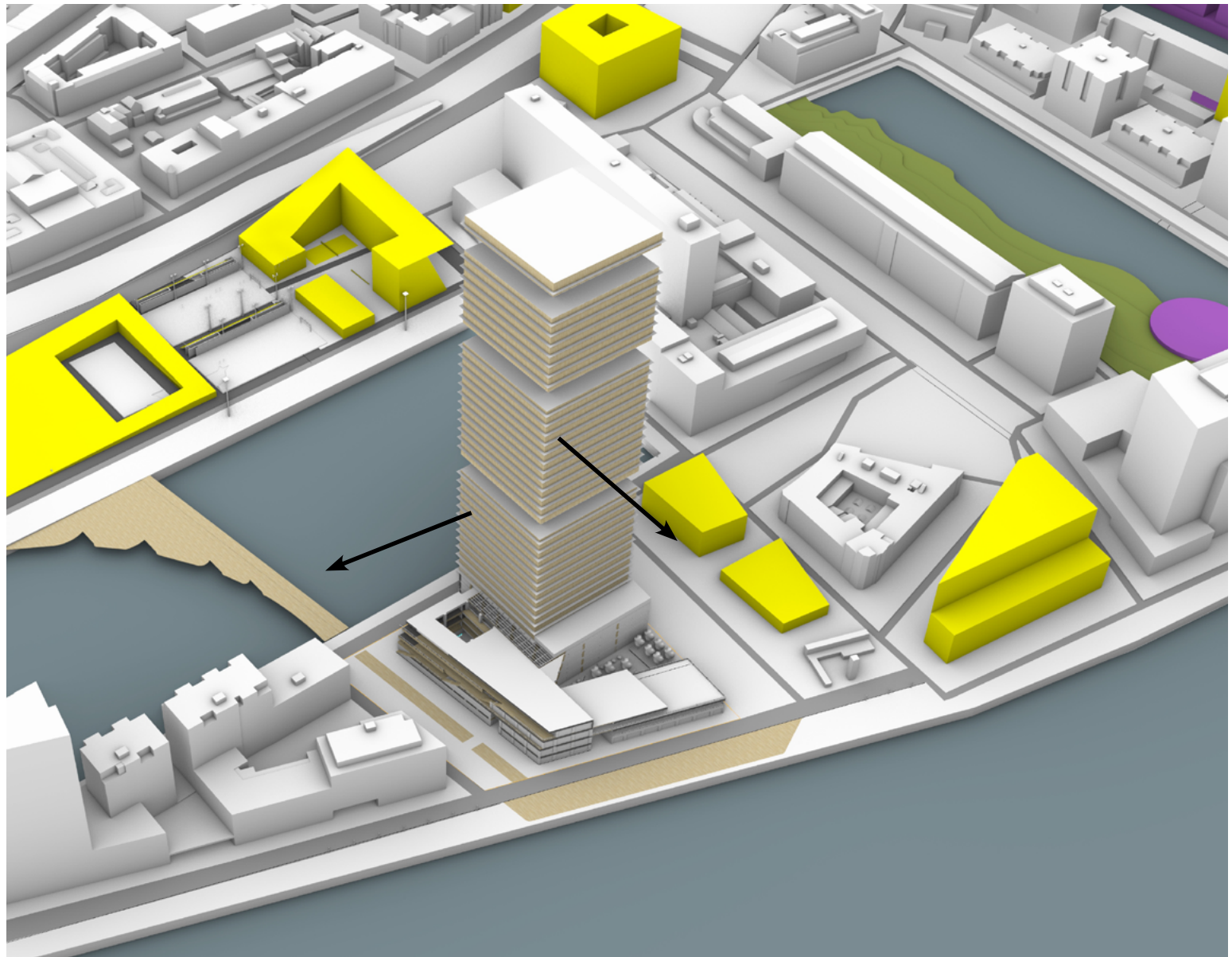
Site Development

Heritage Fabric of
the city

Urban Street life
conncetion

Relation to Human
scale

Sense of
belonging



Contemporary material

Presentation title



Hotel New York

Concept

Heritage Fabric



Polarity

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

Concept

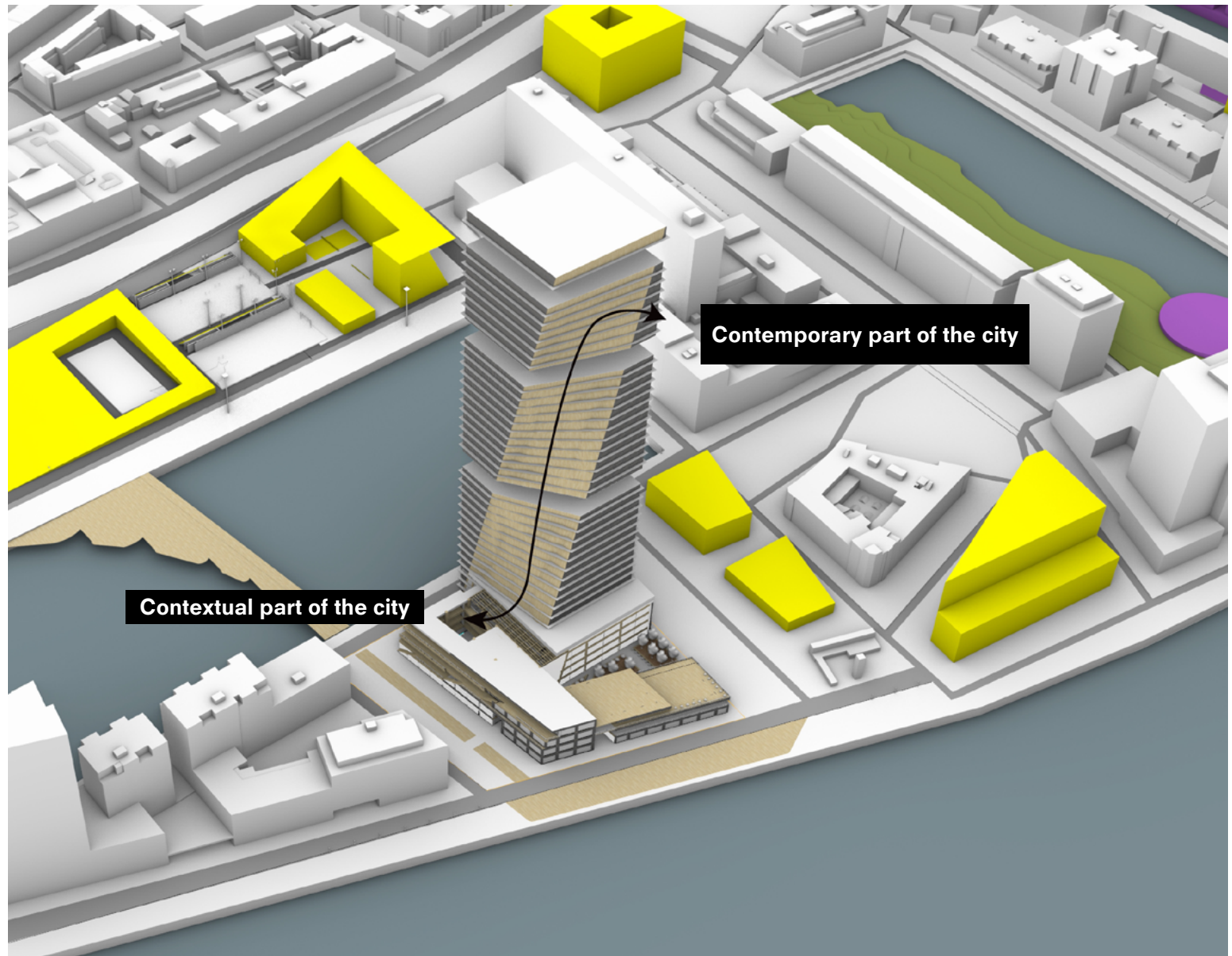
Site Development

Heritage Fabric of
the city

Urban Street life
conncetion

Relation to Human
scale

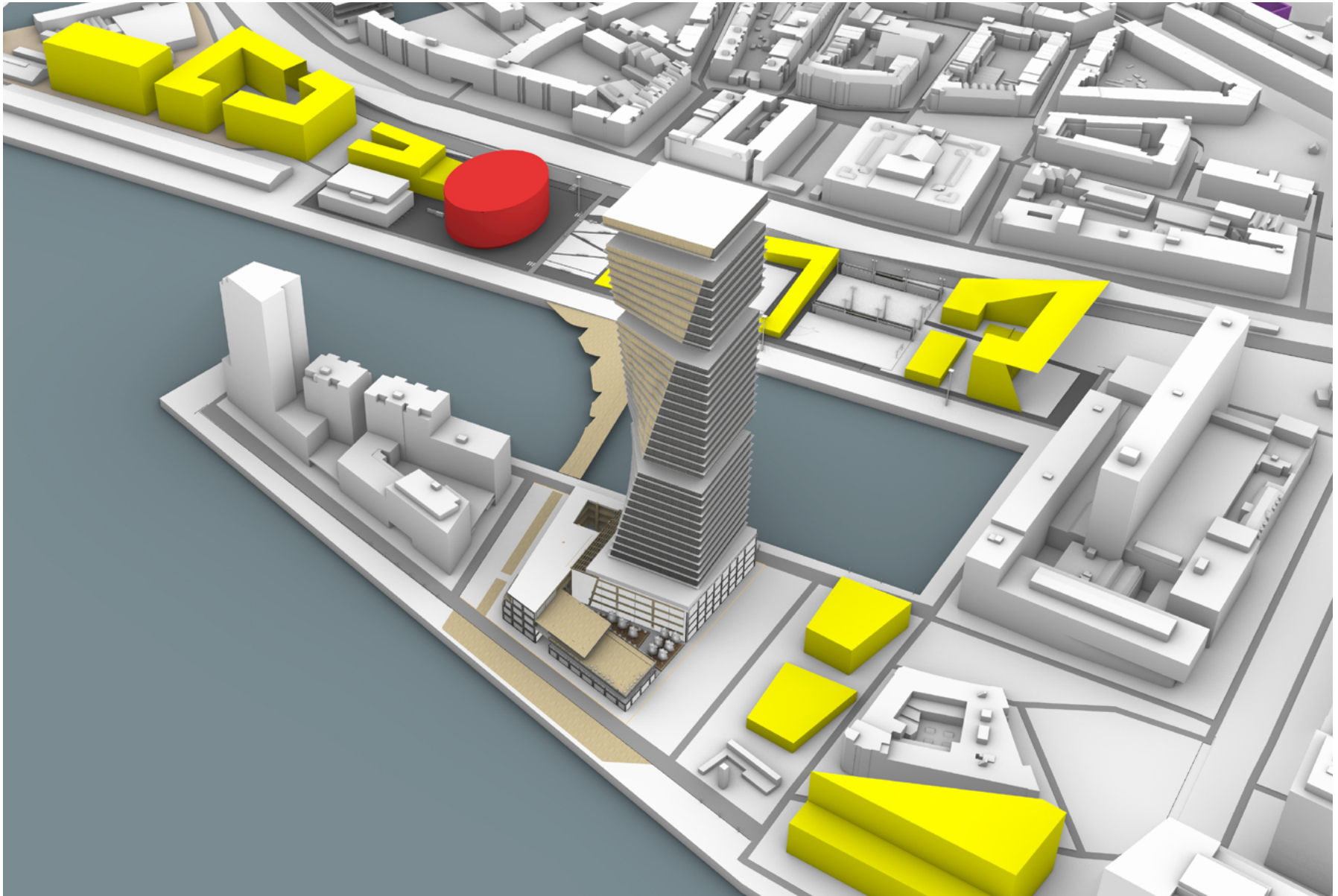
Sense of
belonging



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

Concept

Site Development



Articulation of materiality - Cuts
embrace timber construction

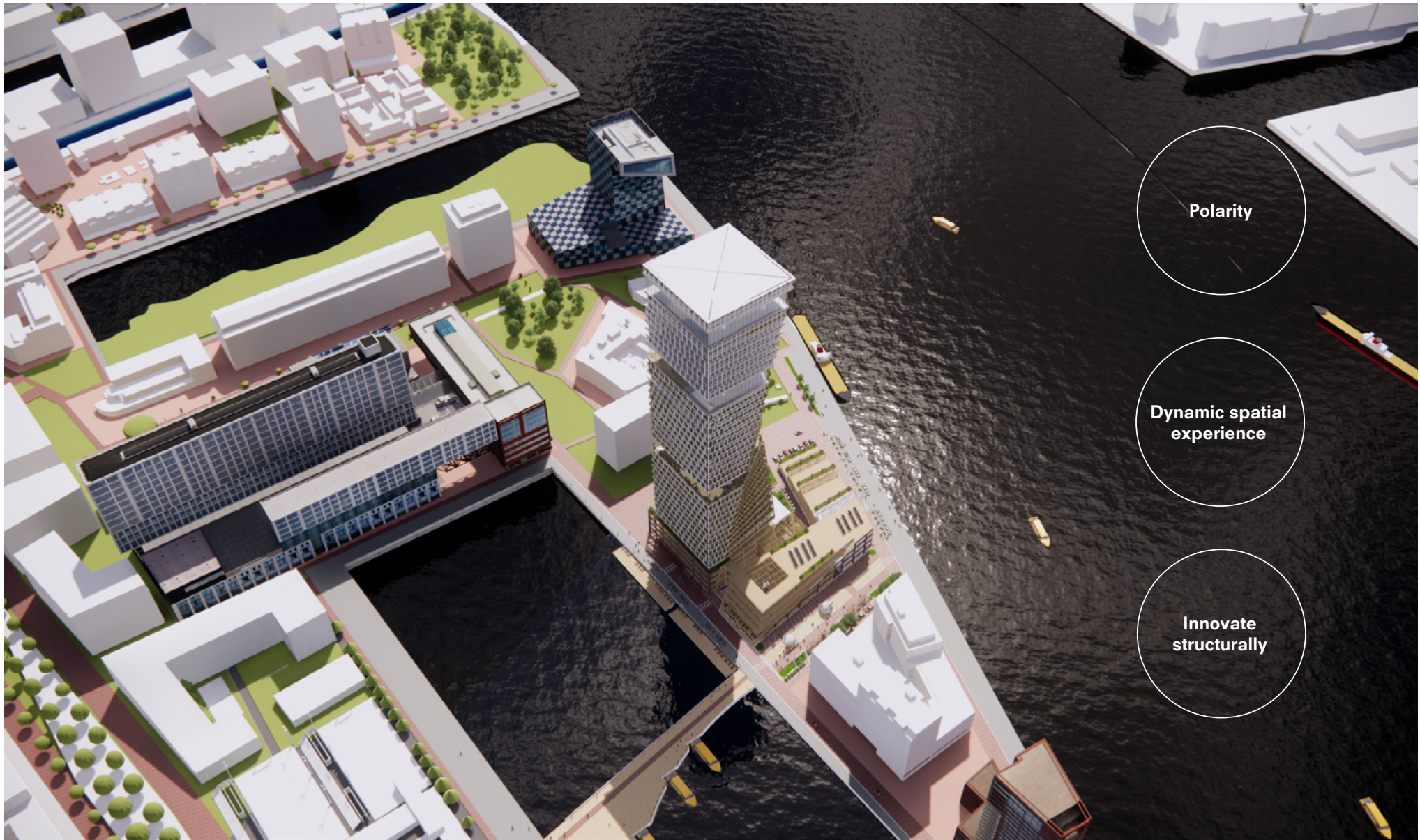
Presentation title



Hotel New York

Concept

Site Development



Polarity

Dynamic spatial
experience

Innovate
structurally

The twist grows from the interior
of the building leads

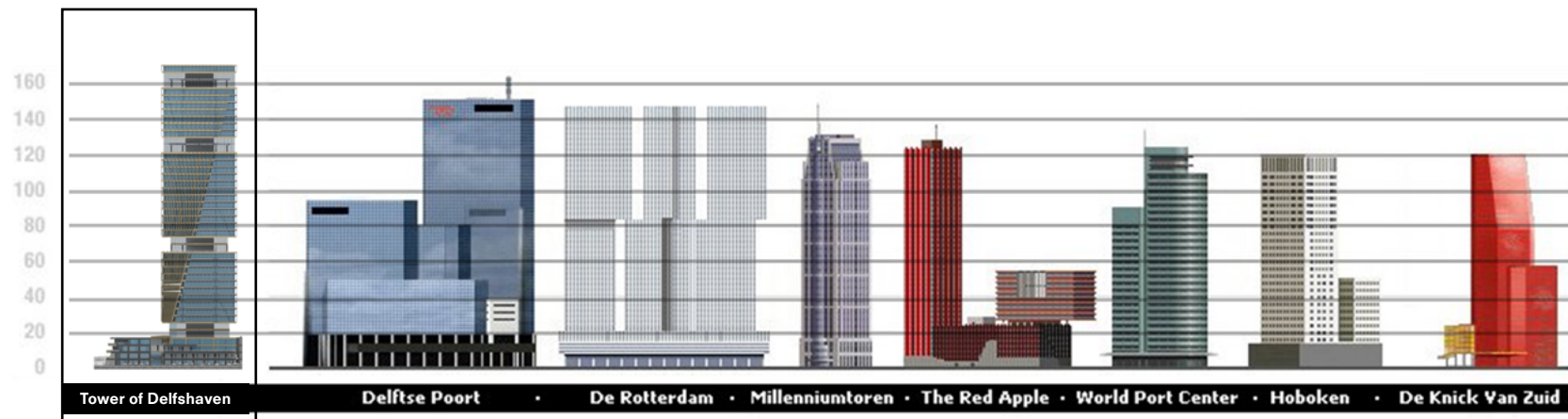
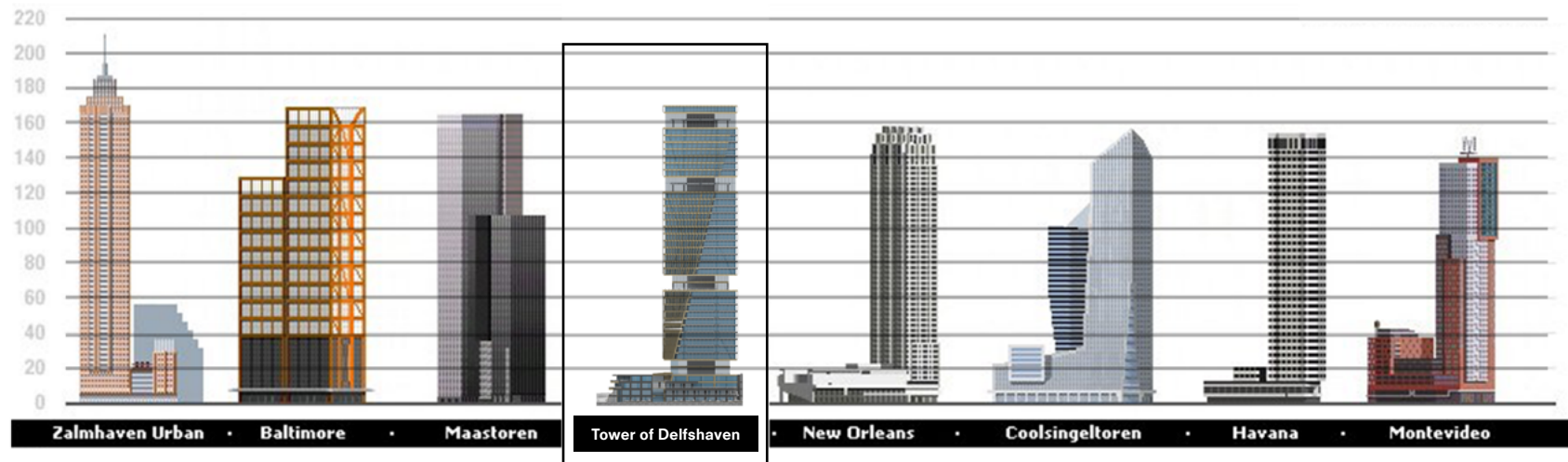
Presentation title



Hotel New York

Concept

Site Development



Unique cuboidal variant to the skyline setting it apart

Introduction

Research

Design Brief

Project Concept

Implementation

Development

Conclusion

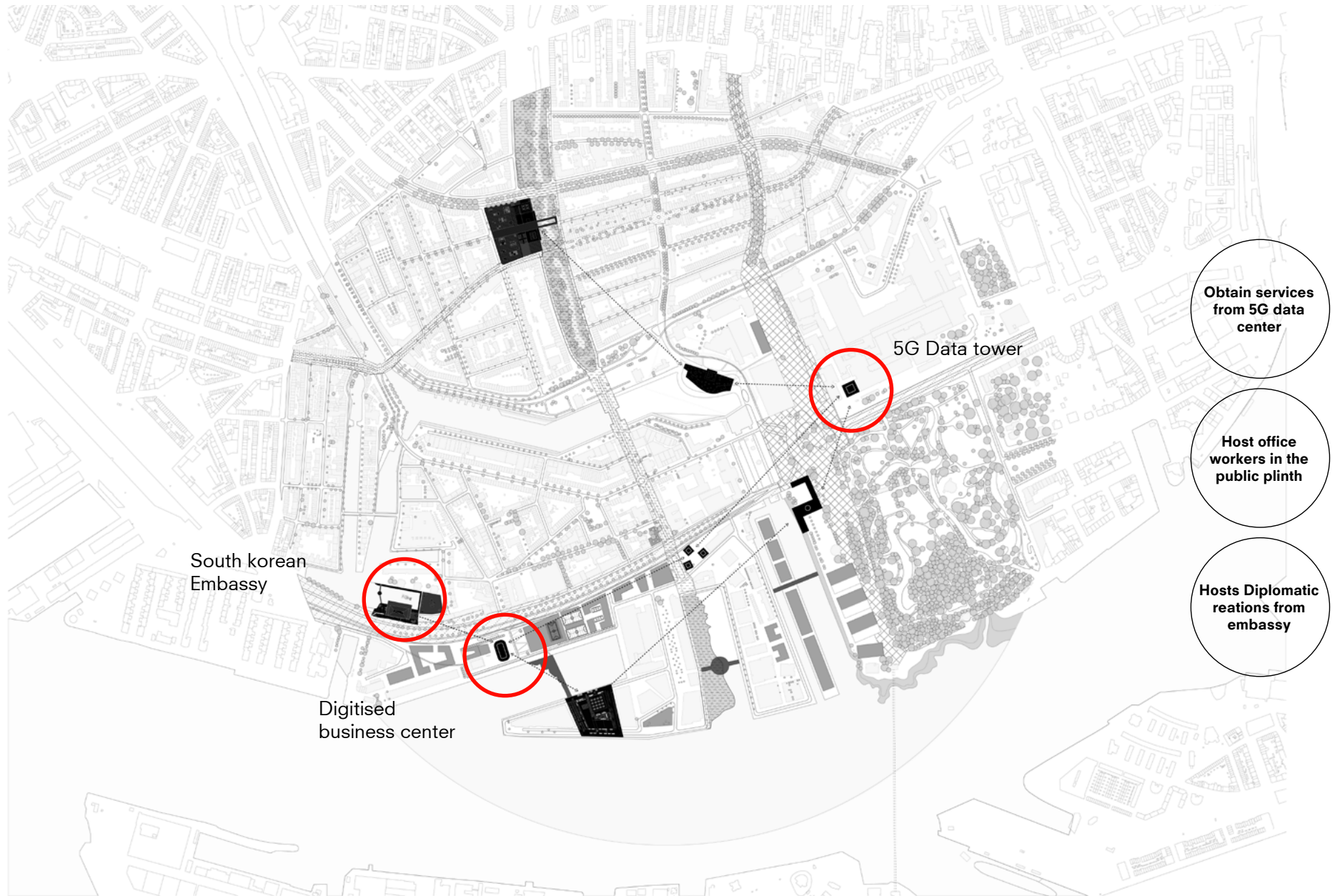
INDEX

Group Site plan 1:10,000



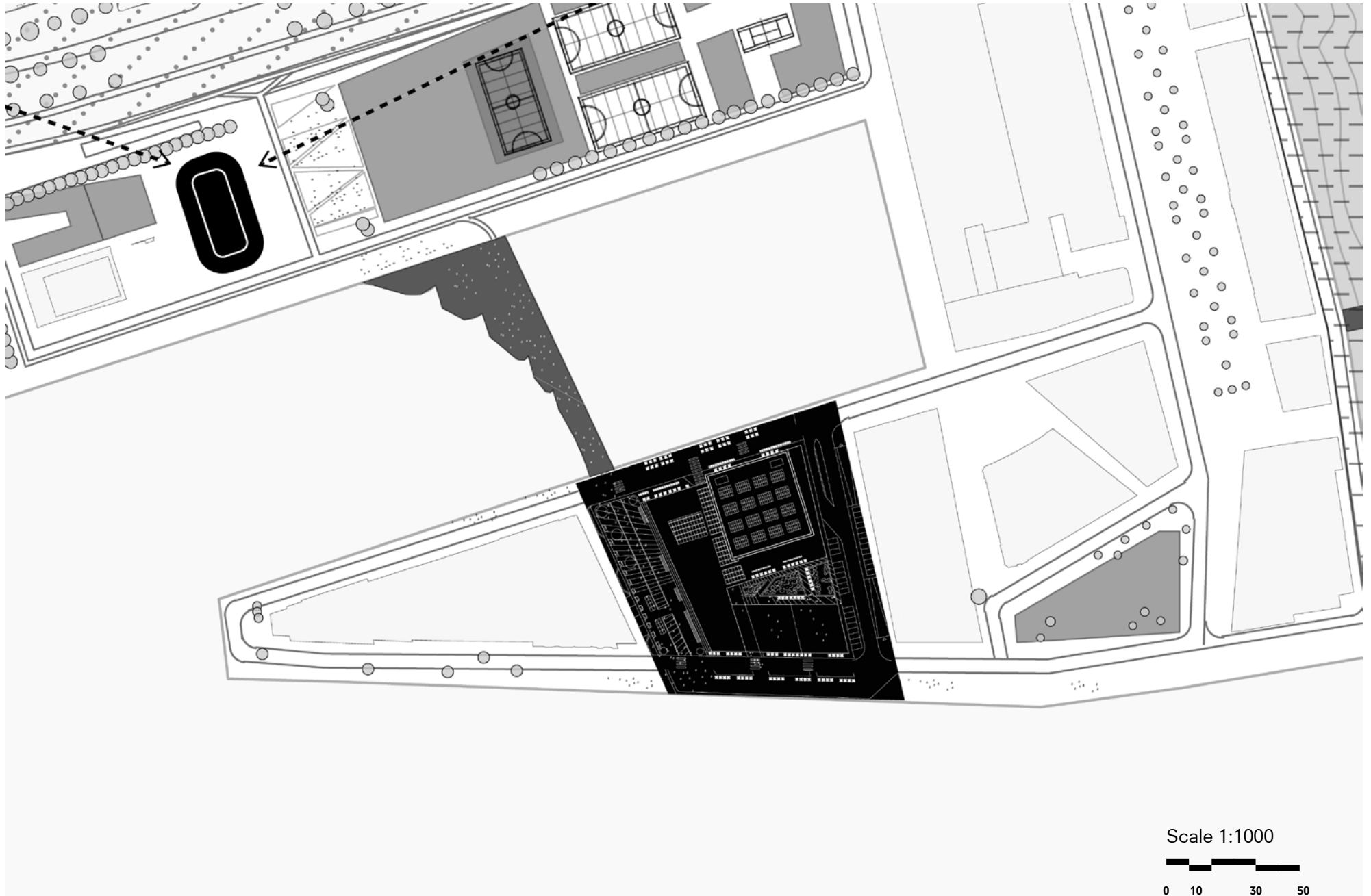
Scale 1:10,000

Group Site plan 1:10,000



Scale 1:10,000

Site Plan 1:1,000



Scale 1:1000

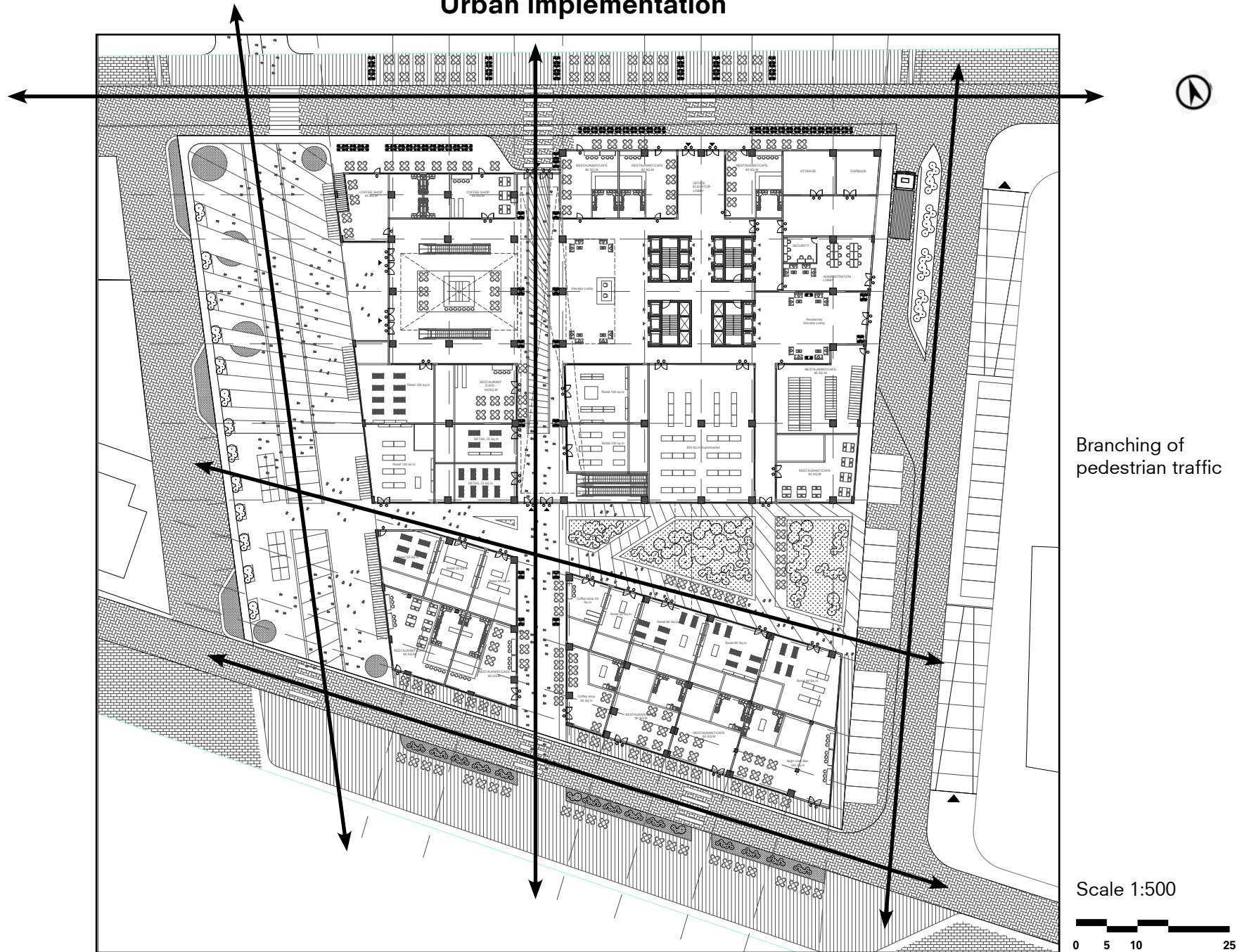


Implementation

Approach



Urban implementation

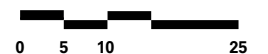


Urban implementation



Car park
converted to entry
to the basement

Scale 1:500

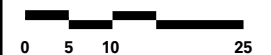


Urban implementation

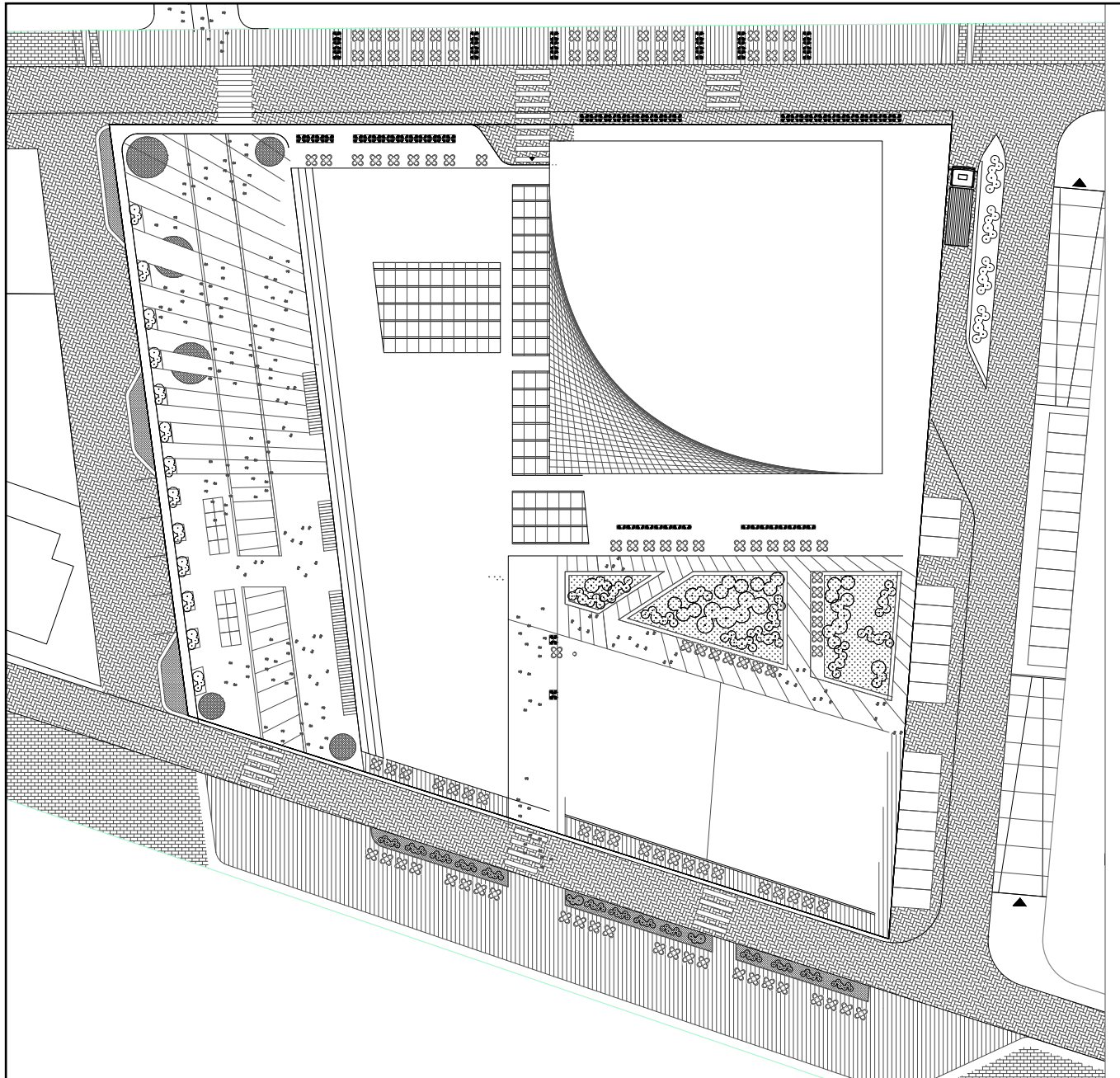


Branching of
pedestrian traffic

Scale 1:500



Urban implementation



The main pedestrian path developed as a plaza, Lines from the twist used to design the plaza

Scale 1:500



Implementation

Urban implementation



Plaza on a Market day

Presentation title



Hotel New York

Implementation

Urban implementation



Plaza on a Normal day

Urban implementation

Heritage Fabric of the city

Urban Street life connection

Relation to Human scale

Sense of belonging



Elevator lobby and atrium Accessible from the Plaza which also connects with the central shopping street

Scale 1:500



Implementation

Urban implementation



Atrium & Elevator Lobby

Presentation title



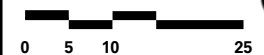
Hotel New York

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



Shopping Street with retail stores connecting both waterfronts.

Scale 1:500



Implementation

Urban implementation



Heritage
Fabric of the
city

Urban Street
life connection

Relation to
Human scale

Sense of
belonging

Public Waterfront

Presentation title



Hotel New York

Urban implementation



The Office workers Flow
Corporate themed bars
and cafes on north water
front

Scale 1:500

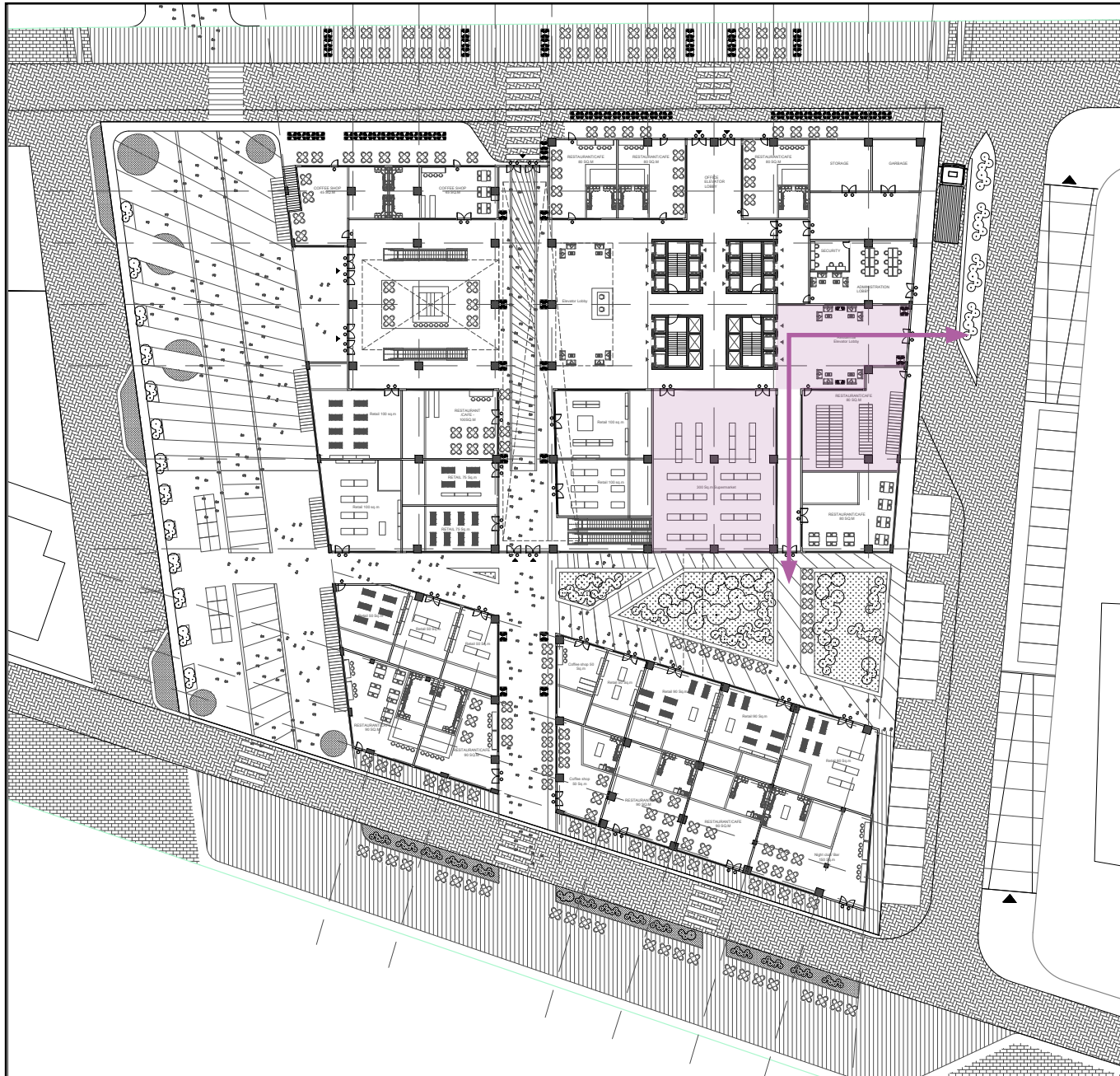


Urban implementation



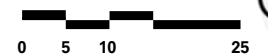
**Business street
waterfront**

Urban implementation



The Residential Flow, courtyard acts as a buffer space

Scale 1:500



Implementation

Urban implementation



Courtyard

Presentation title



Hotel New York

Urban implementation

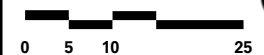
- Heritage Fabric of the city
- Urban Street life connection
- Relation to Human scale
- Sense of belonging



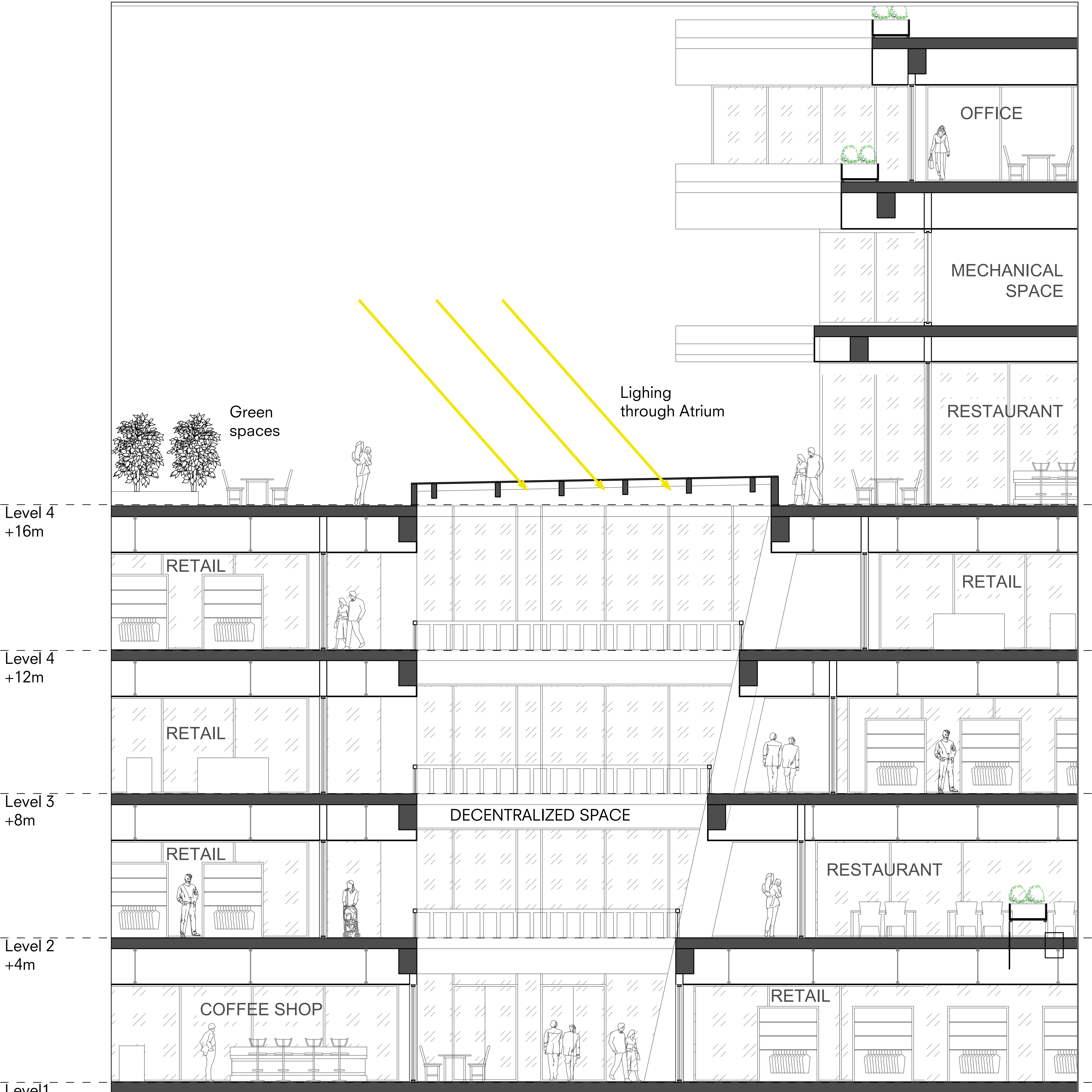
Ever flows have their private access points, The public Flow, developed with respect to the streets of netherlands

- Public
- Service
- Office
- Residents

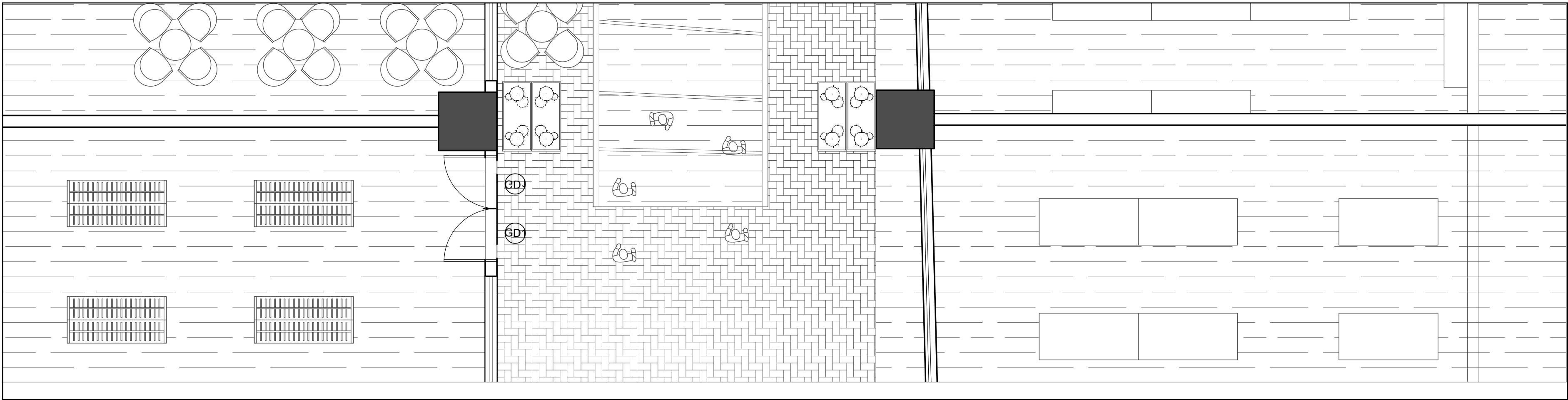
Scale 1:500



Interior Fragment 1:50



Section

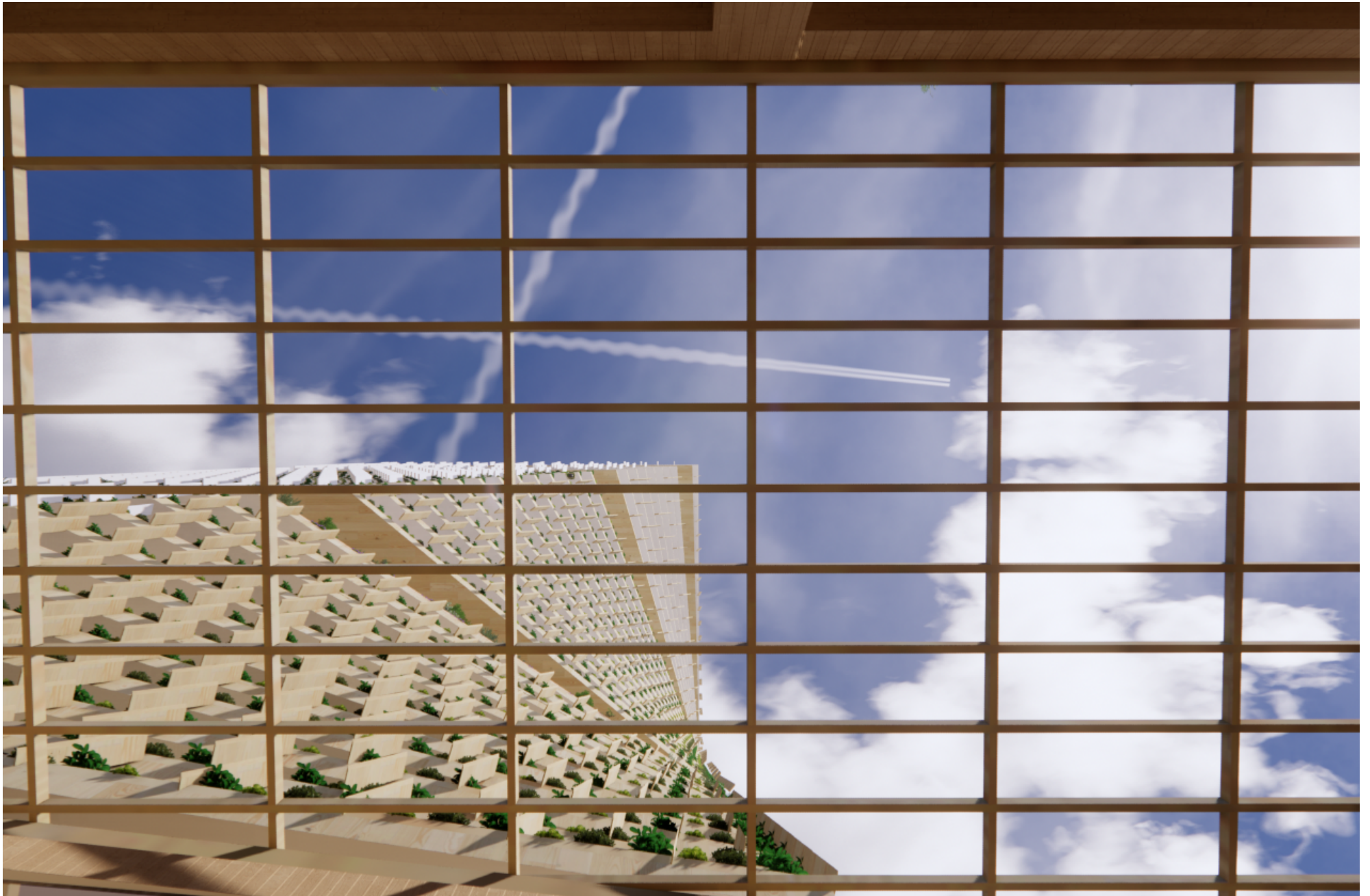


Plan

Characterization of the public passage as a street in netherlands

Floor plans

Visual Experience

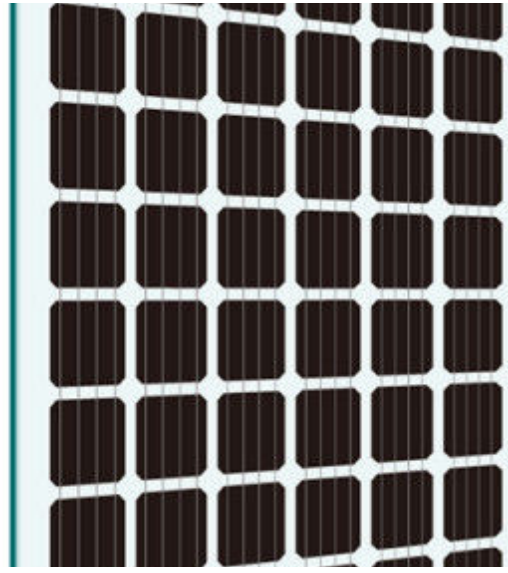


Perspective section



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

Perspective section



BIPV panels



Anodized aluminium window frames



White Brushed Matte Lacquer oak flooring



Natural engineered flooring Oak.



Red clay brick pavers



Heritage Fabric of the city

Urban Street life connction

Relation to Human scale

Sense of belonging

Urban implementation

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



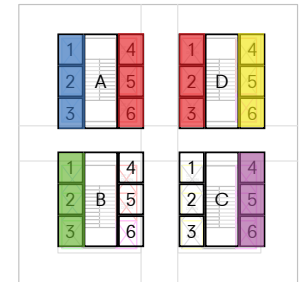
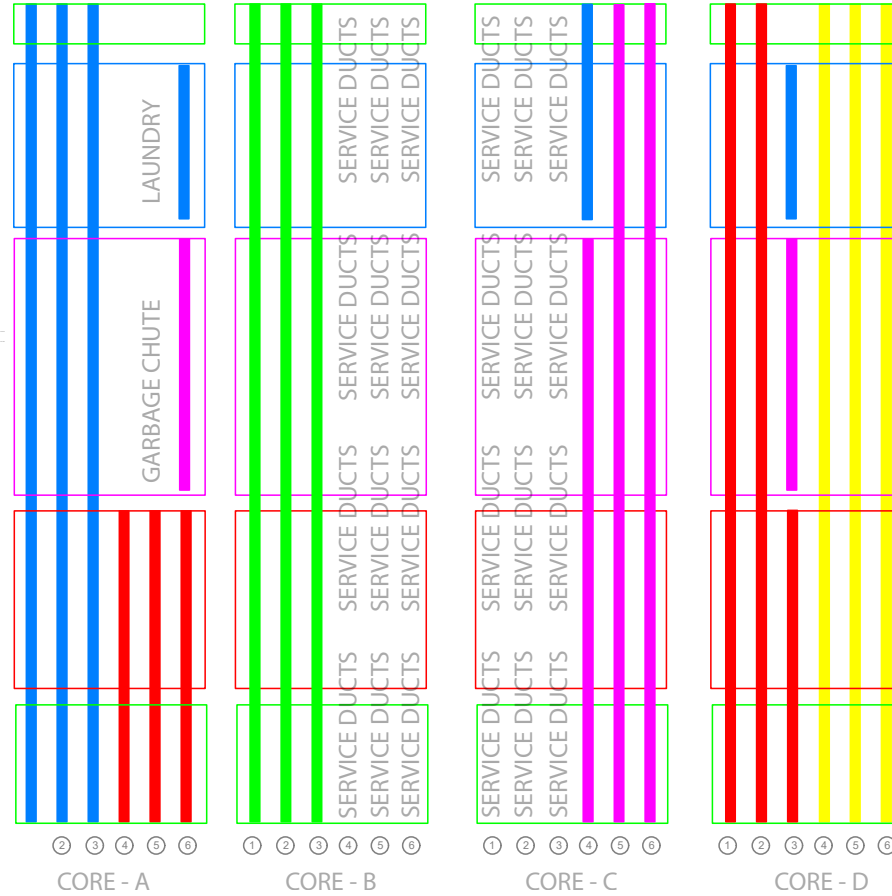
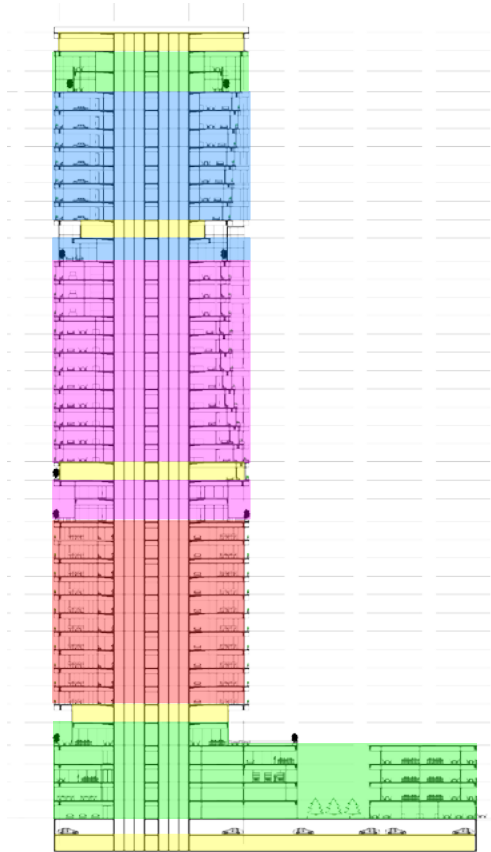
Core development based on the flows of people

Scale 1:500



Implementation

Core development



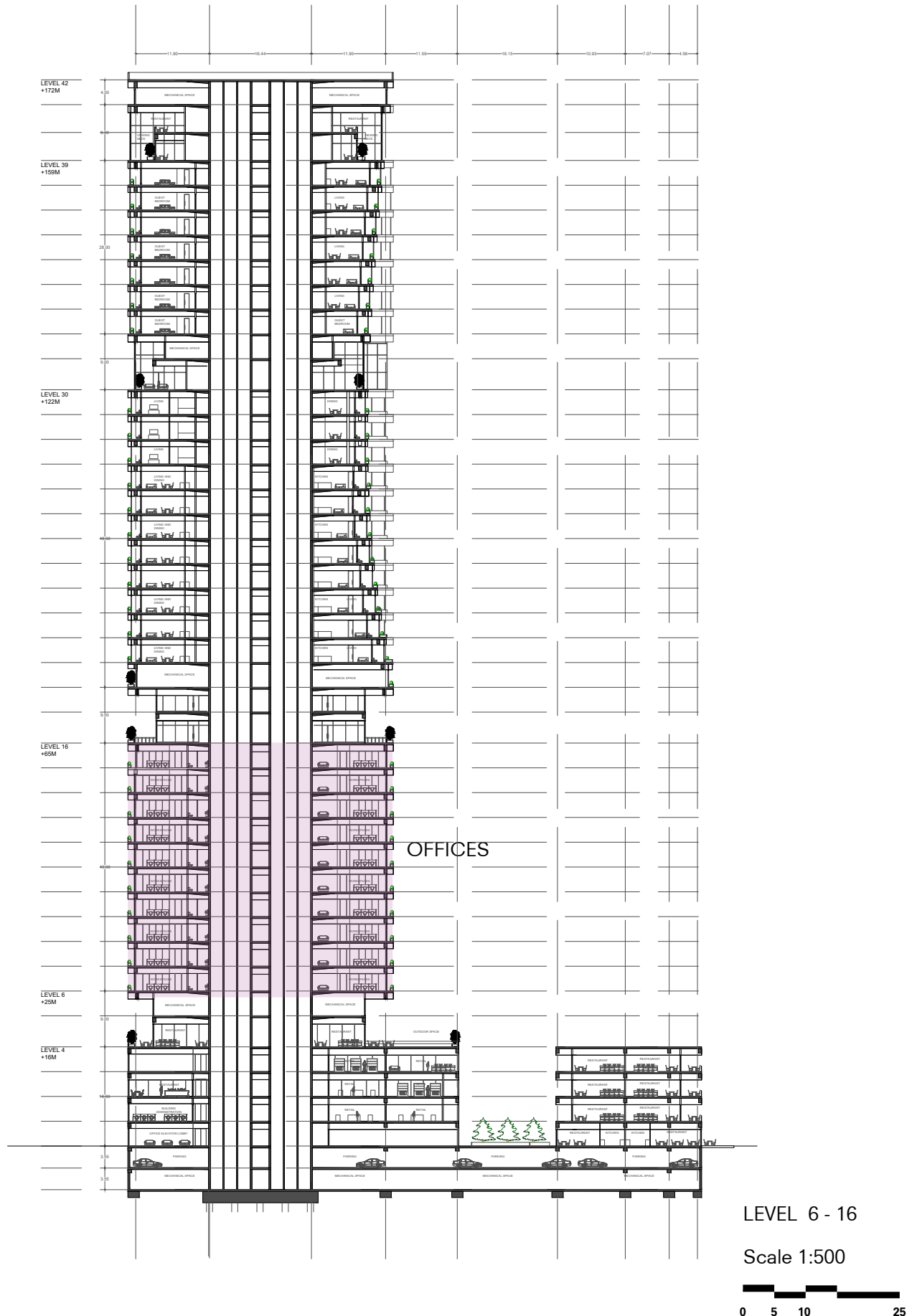
- Hotel
- Residence
- Office
- Service
- Public



OFFICE



Section AA'

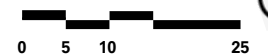


Urban implementation

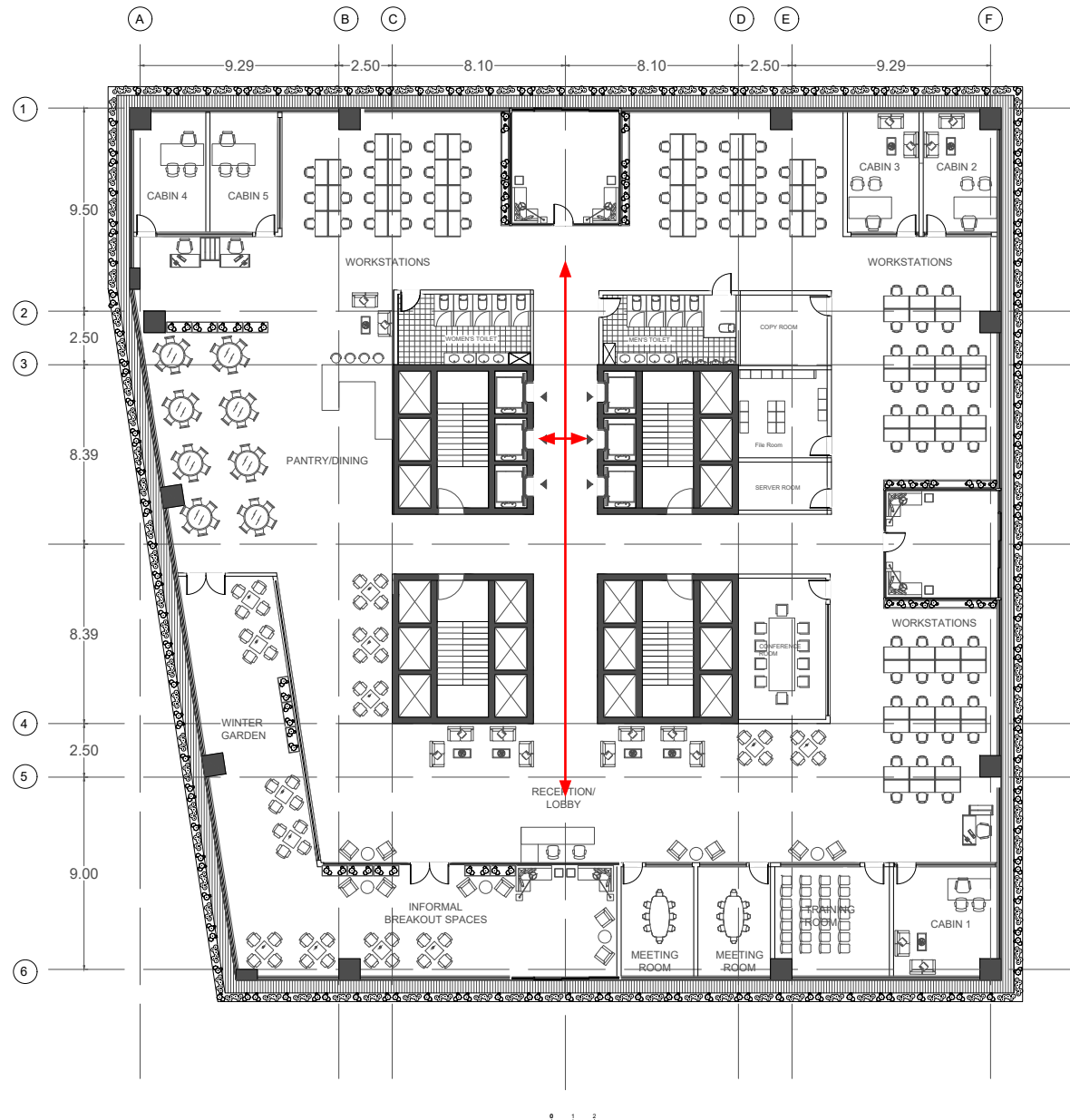


The Office workers Flow

Scale 1:500



Typical Office Floor plan



LEVEL 7 - +29m

Scale 1:200



Implementation

Office



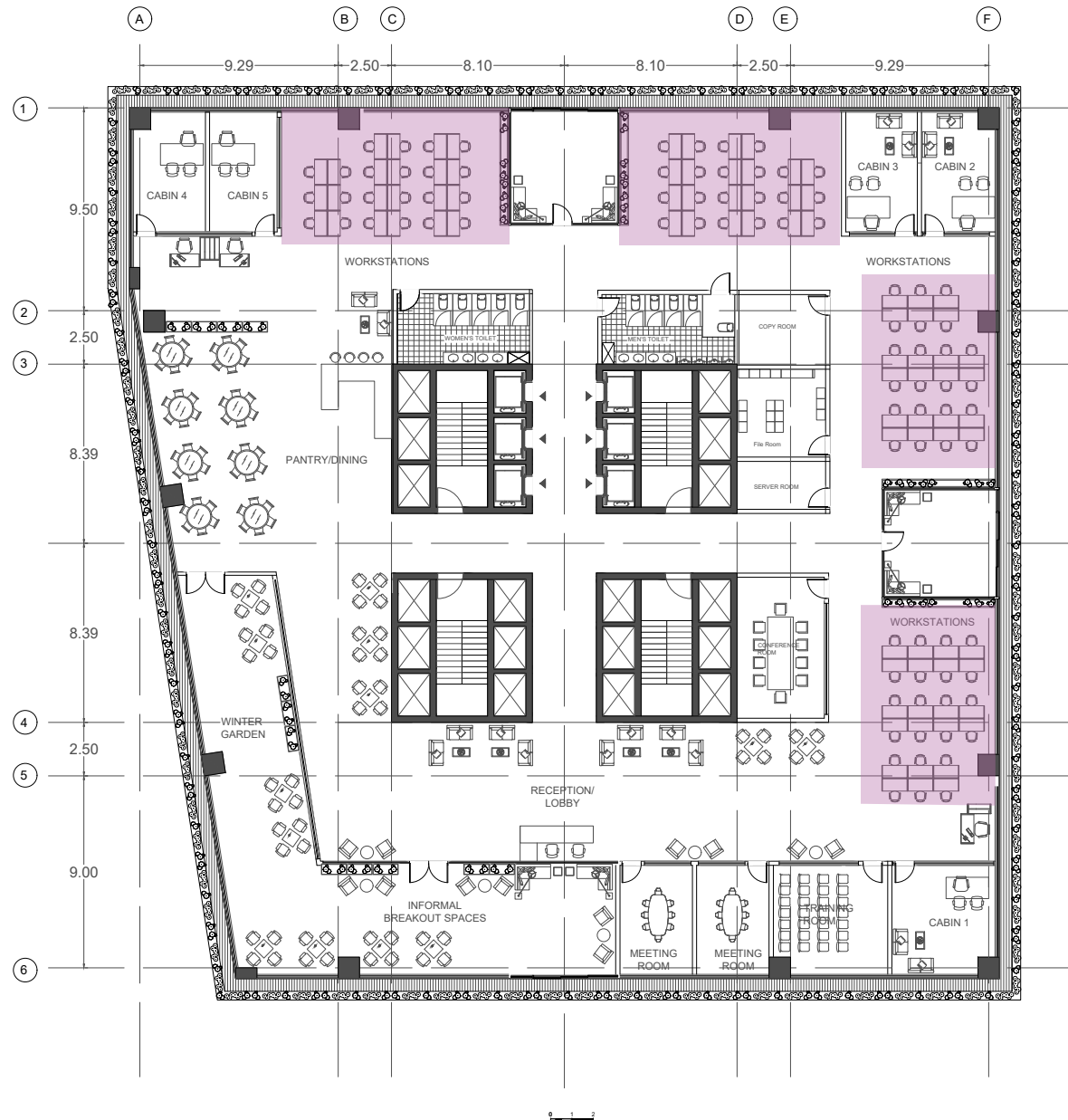
Elevator Lobby and Reception

Presentation title



Hotel New York

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



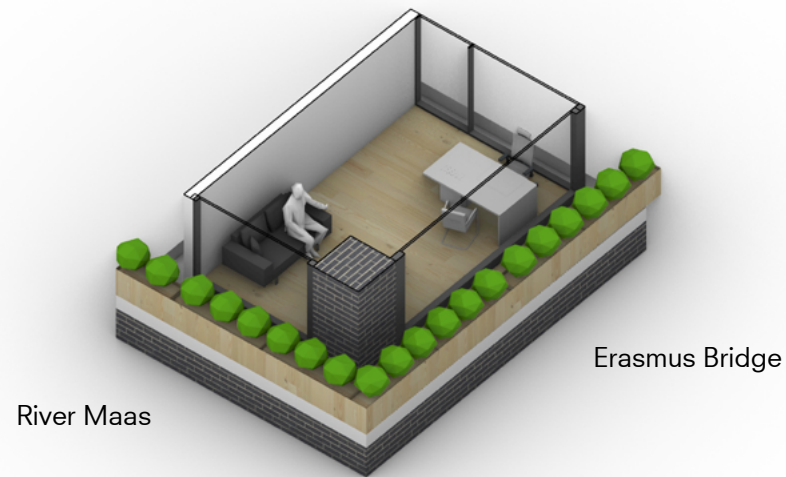
Cabins and conference rooms on the corners of the building

LEVEL 7 - +29m

Scale 1:200



Typical Office Floor plan



River Maas

Erasmus Bridge



Canadian Maple
LVT - Flooring



White stained Larch
rainscreen- Facade

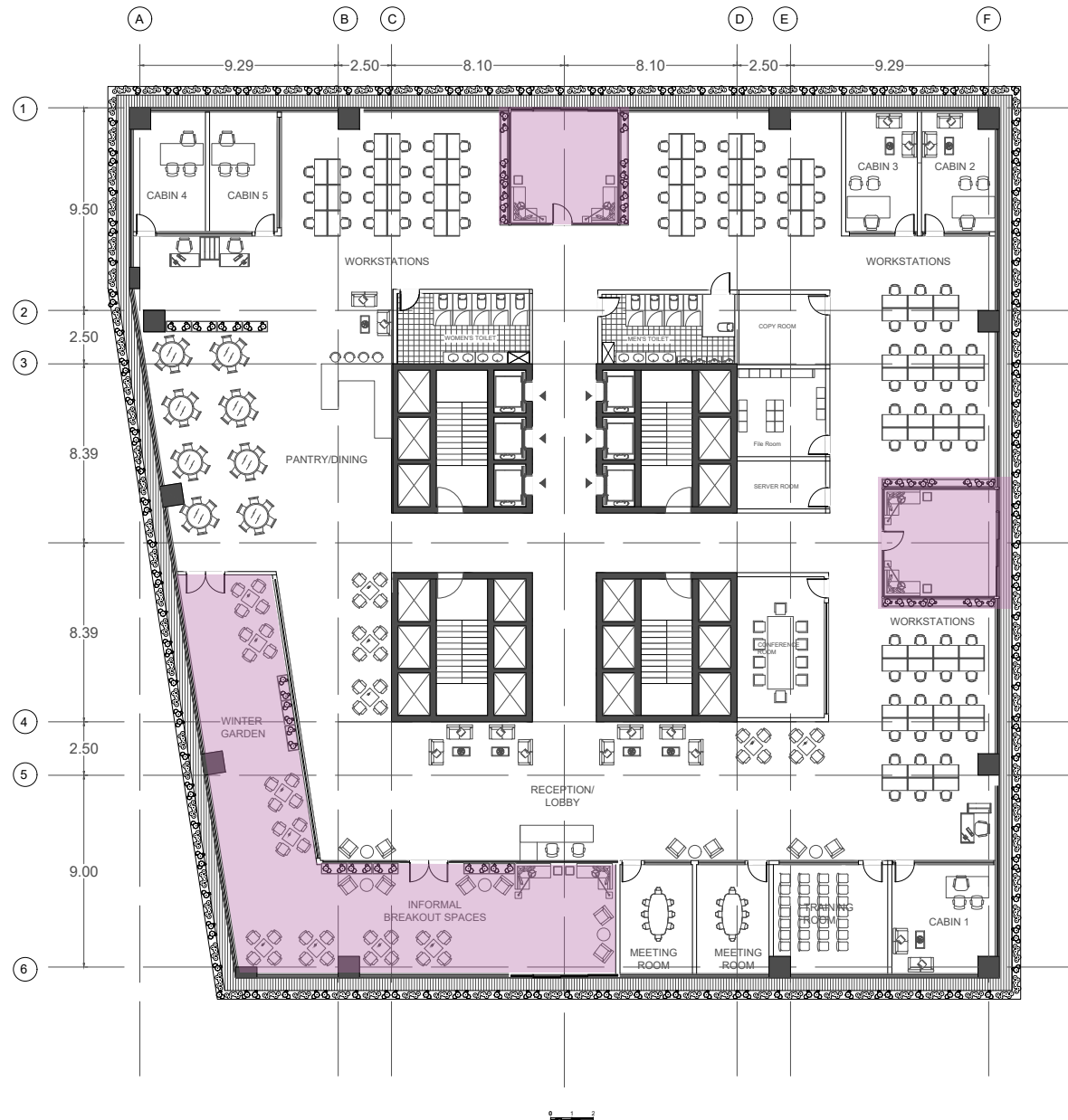


Thin brick - grey
cladding - Facade

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

Floor plans

Typical Office Floor plan



LEVEL 7 - +29m

Scale 1:200



Implementation

Office



Double skin facade

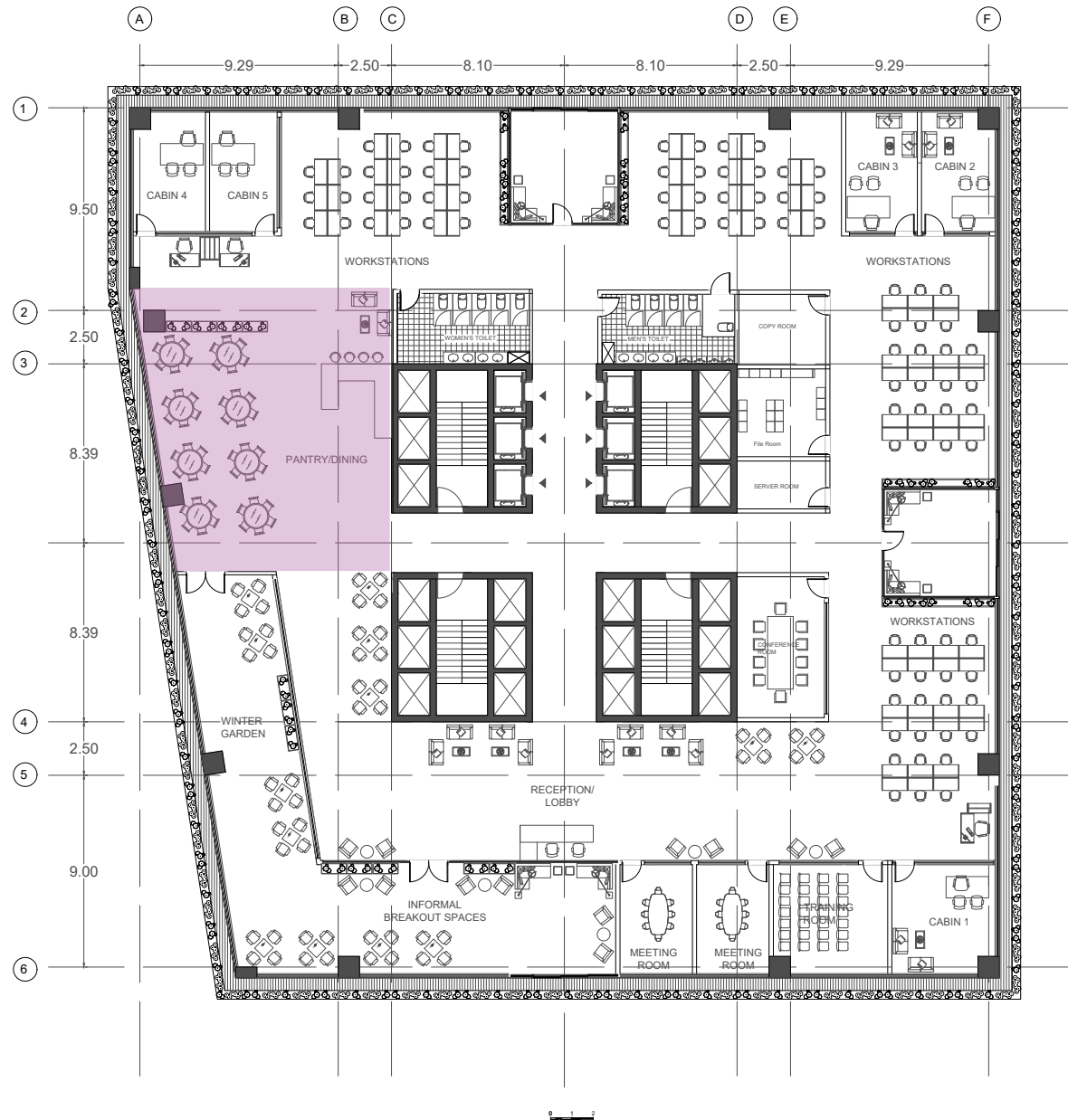
Presentation title



Hotel New York

Floor plans

Typical Office Floor plan



LEVEL 7 - +29m

Scale 1:200



Implementation

Office



Pantry

Presentation title



Hotel New York

RESIDENCE



Urban implementation

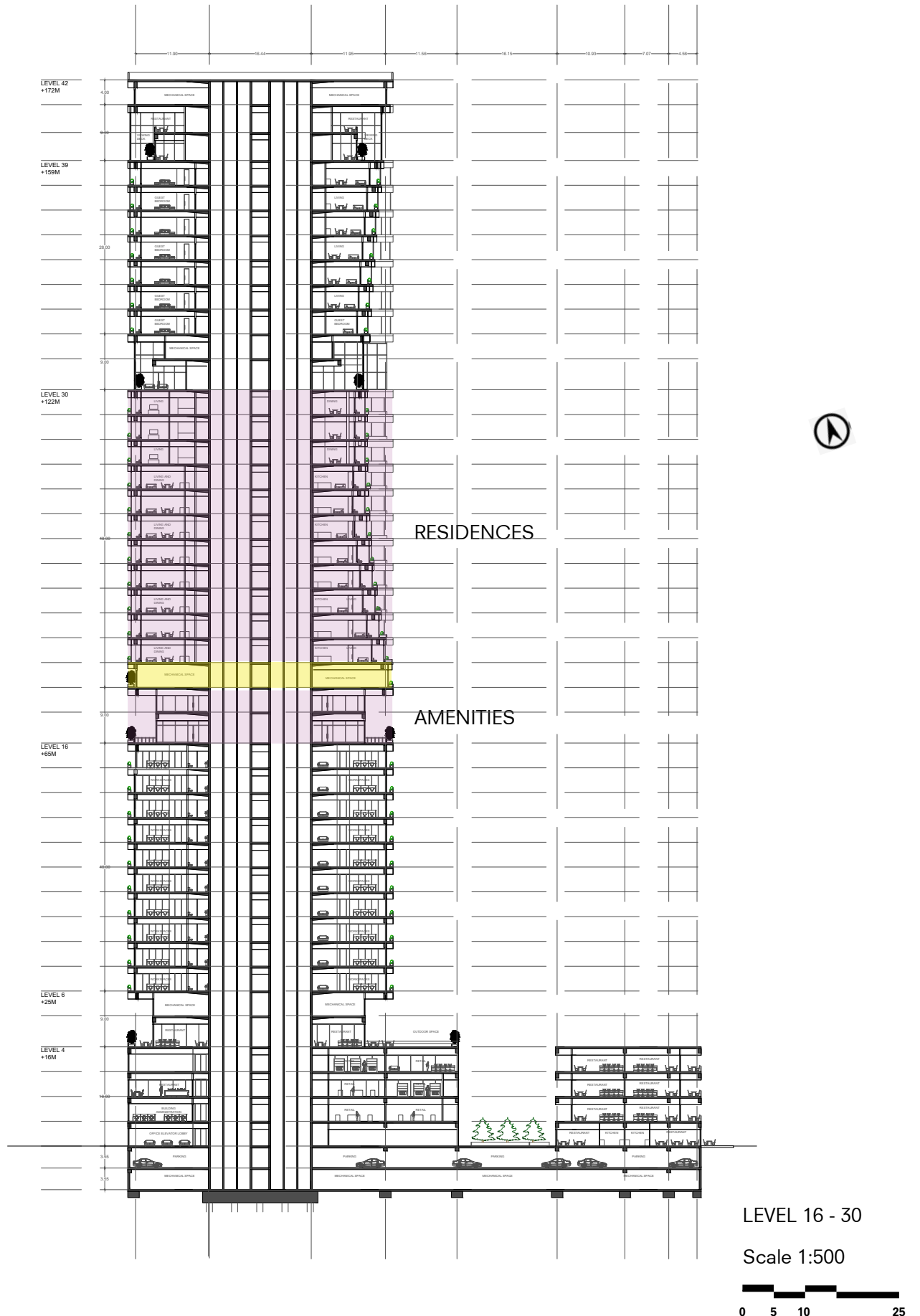


The Residential Flow

Scale 1:500

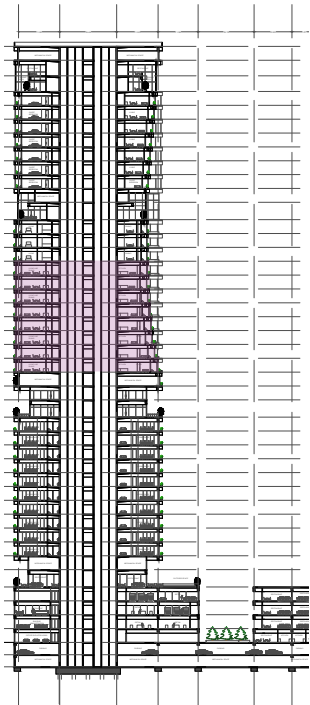


Section AA'



Floor plans

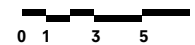
Typical Residential floor plan - A



- SHARED ELEVATORS
- SERVICE ELEVATORS
- DEDICATED

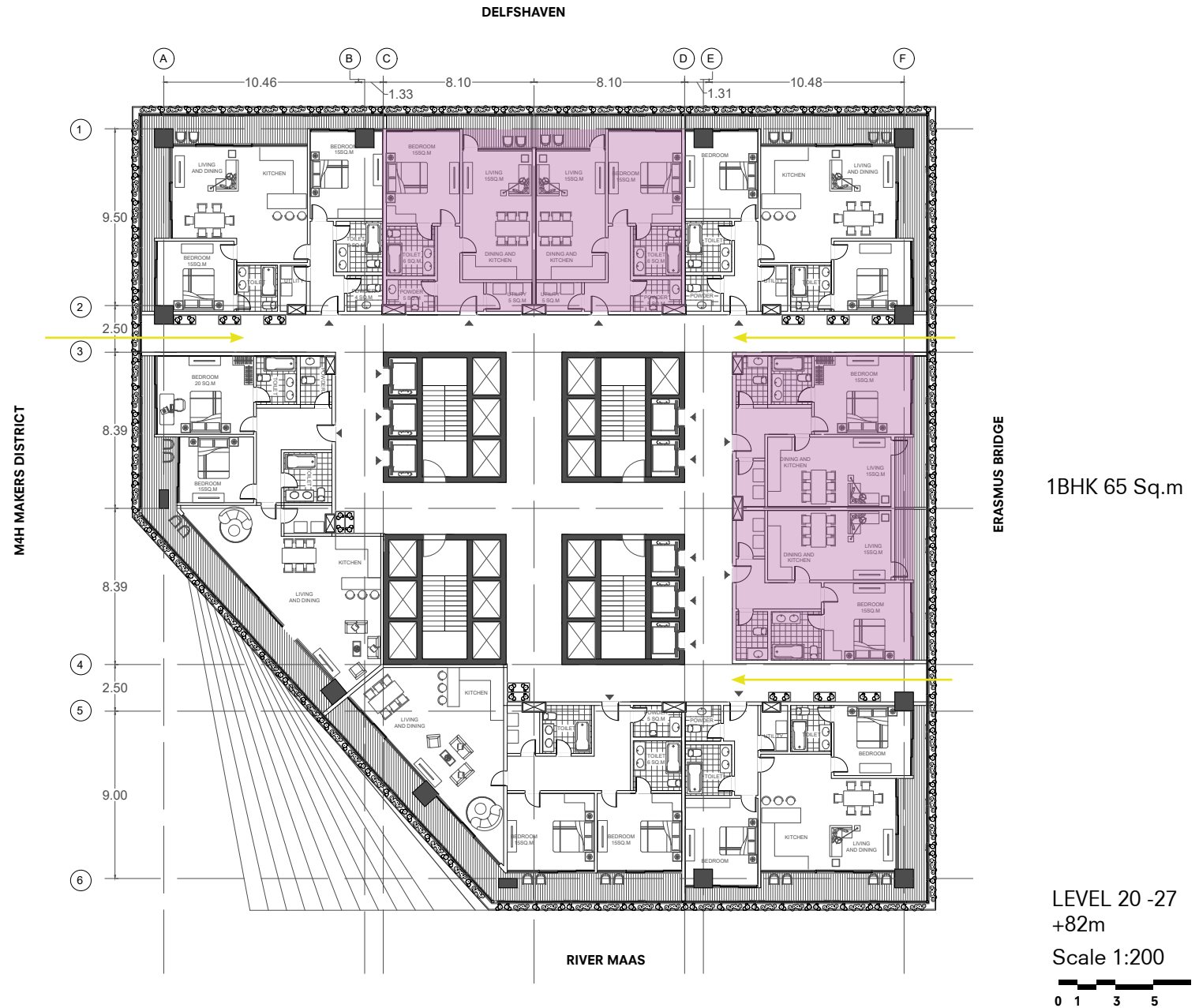
LEVEL 20 -27
+82m

Scale 1:200

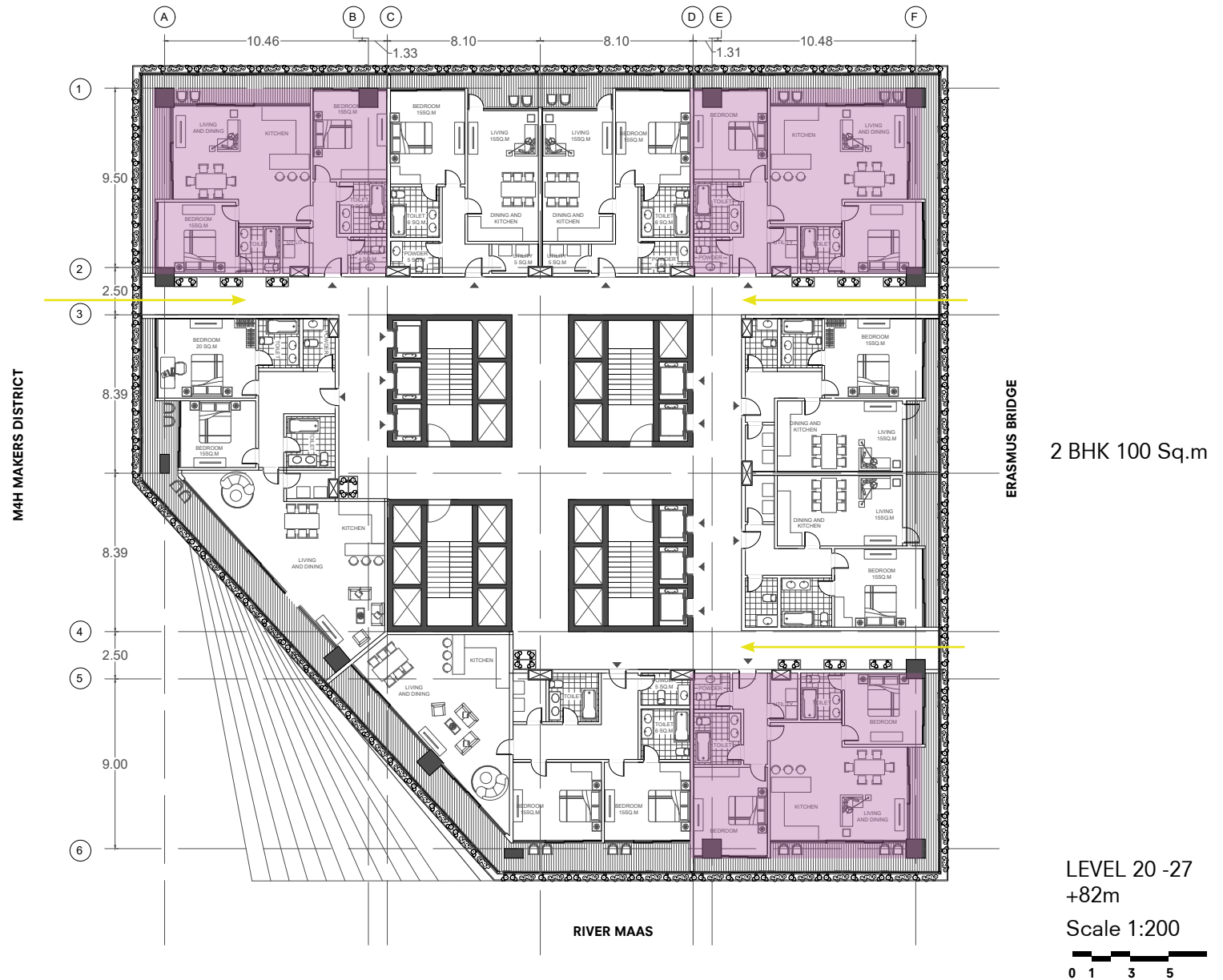


Floor plans

Typical Residential floor plan - A



Typical Residential floor plan - A

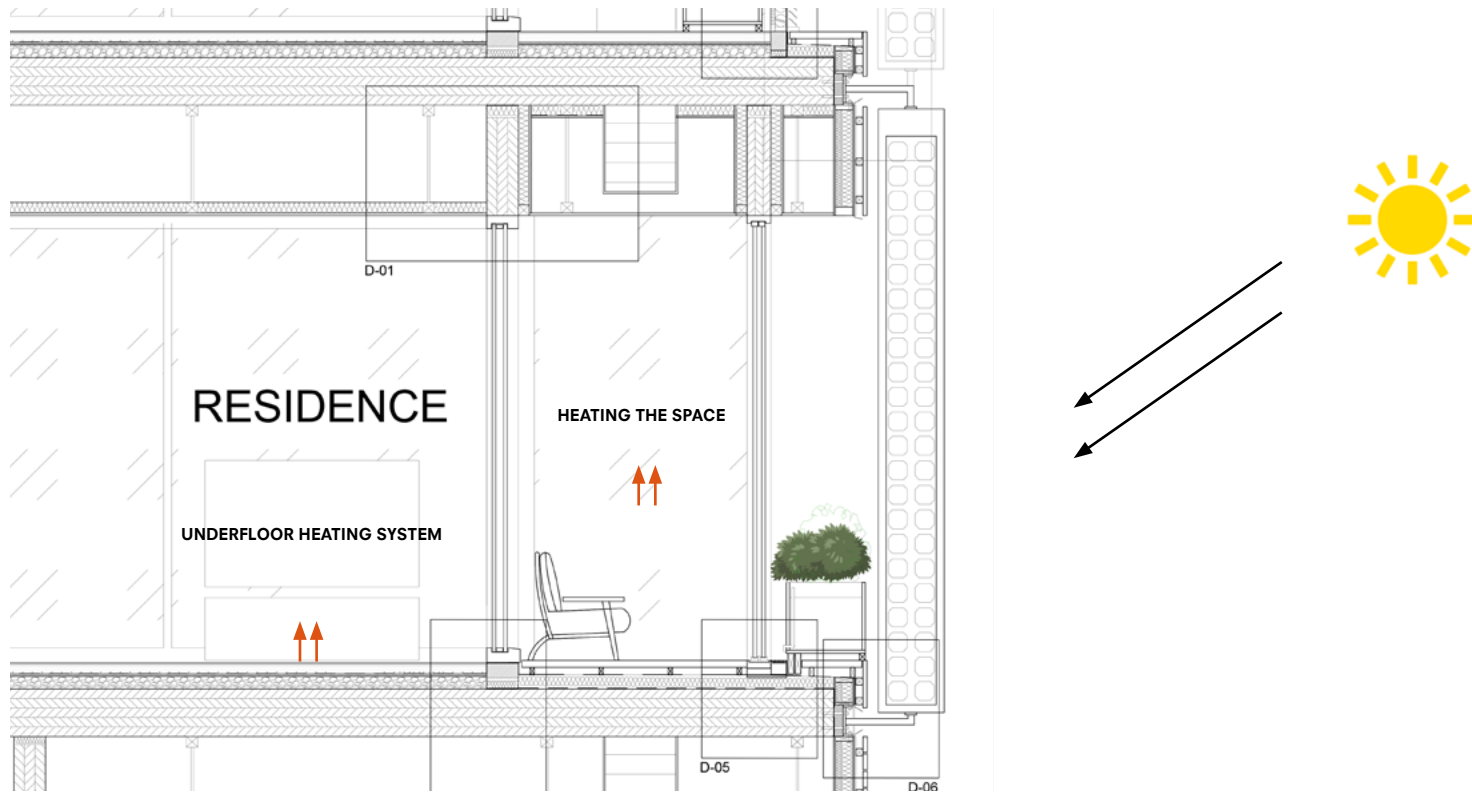
DELFSHAVEN

Floor plans

Typical Residential floor plan - A



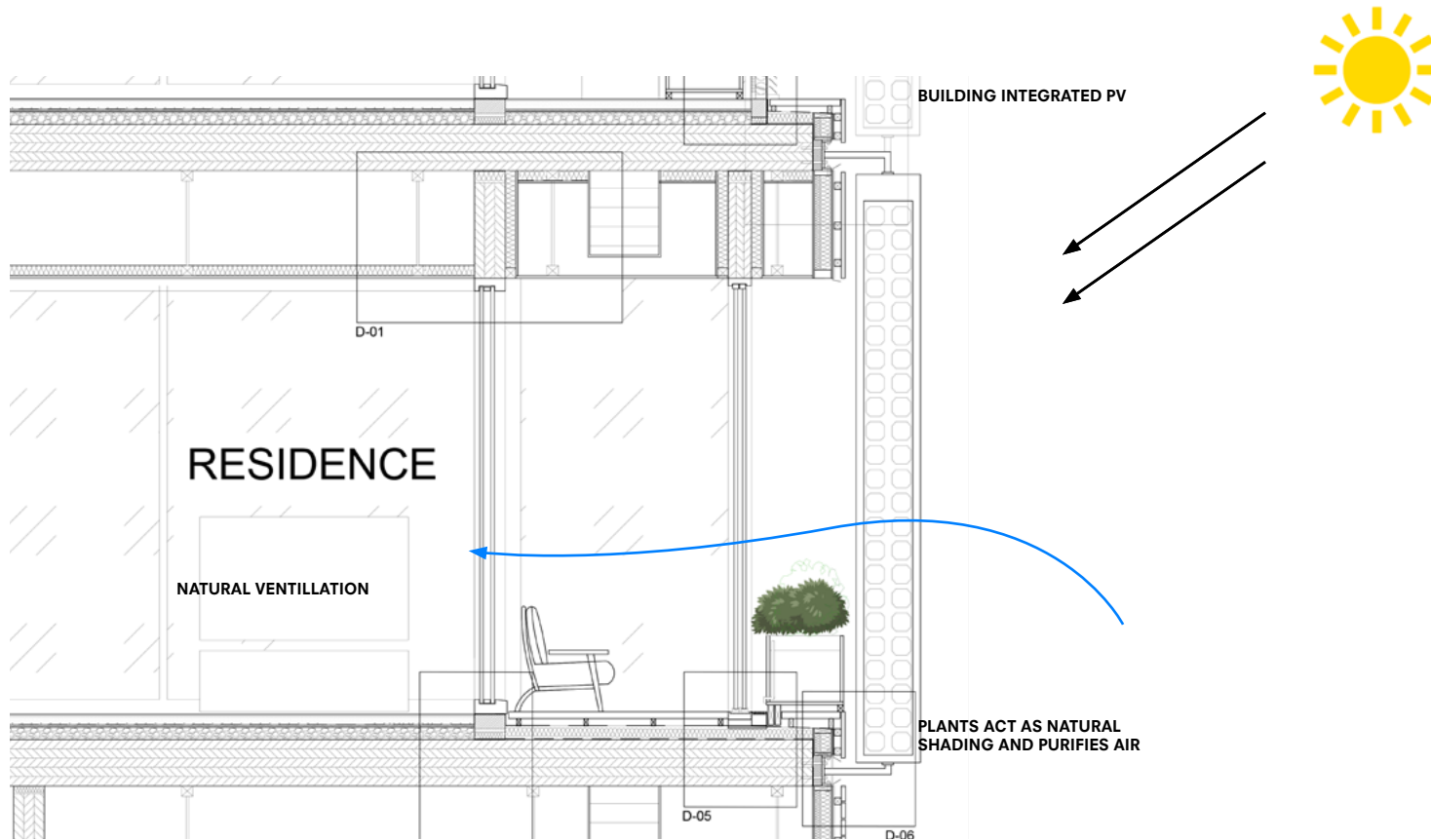
Typical Residential floor plan - A



WINTER TIME

Inbetween space preheats during winter
keeping the house warm

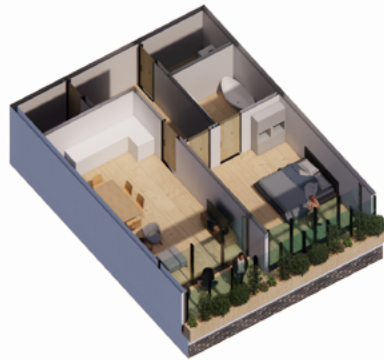
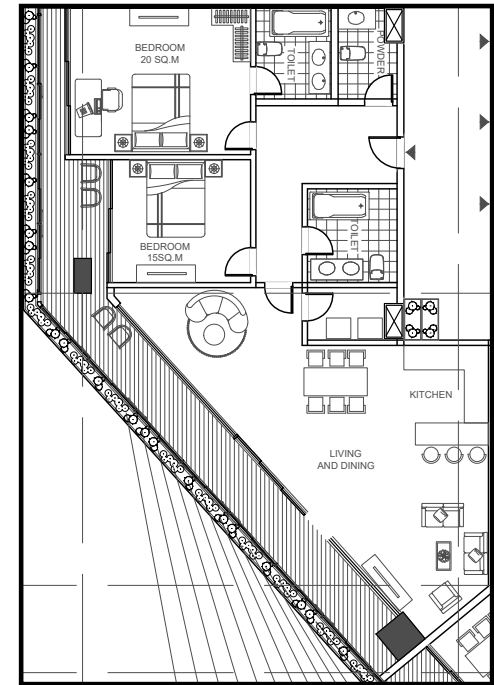
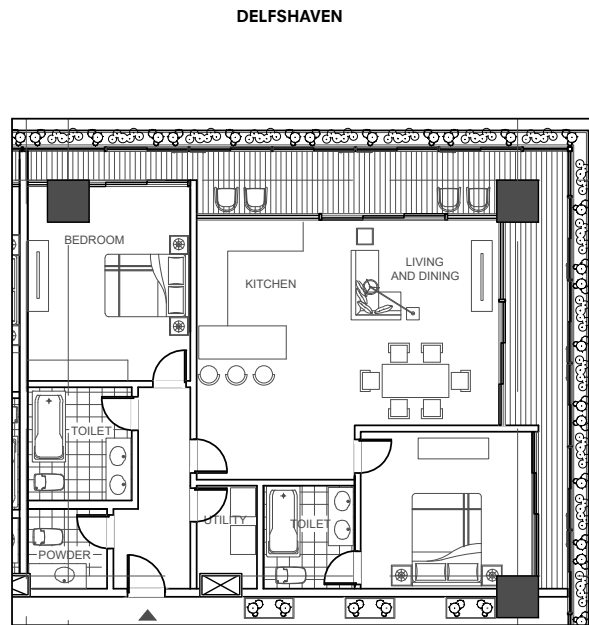
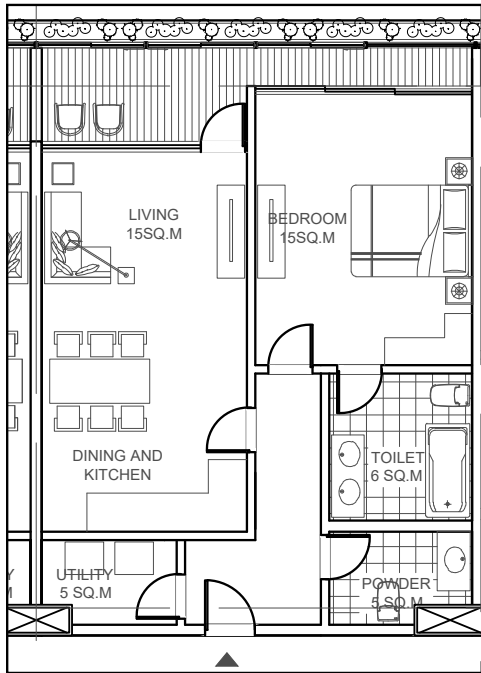
RESIDENTIAL FACADE



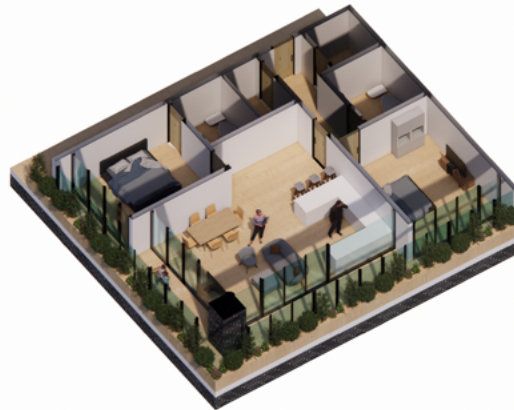
SUMMER TIME

Can be opened up in summer to let
natural ventillation inside

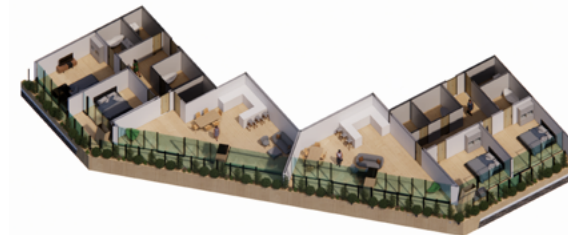
Typical Residential floor plan - A



1BHK 65 Sq.m



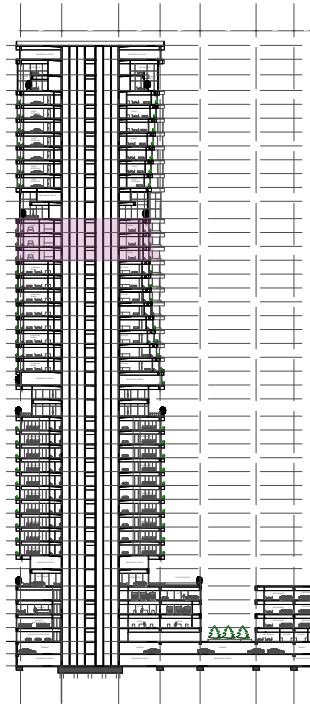
2BHK 100 Sq.m



2BHK 120 Sq.m

Typical Residential floor plan - B

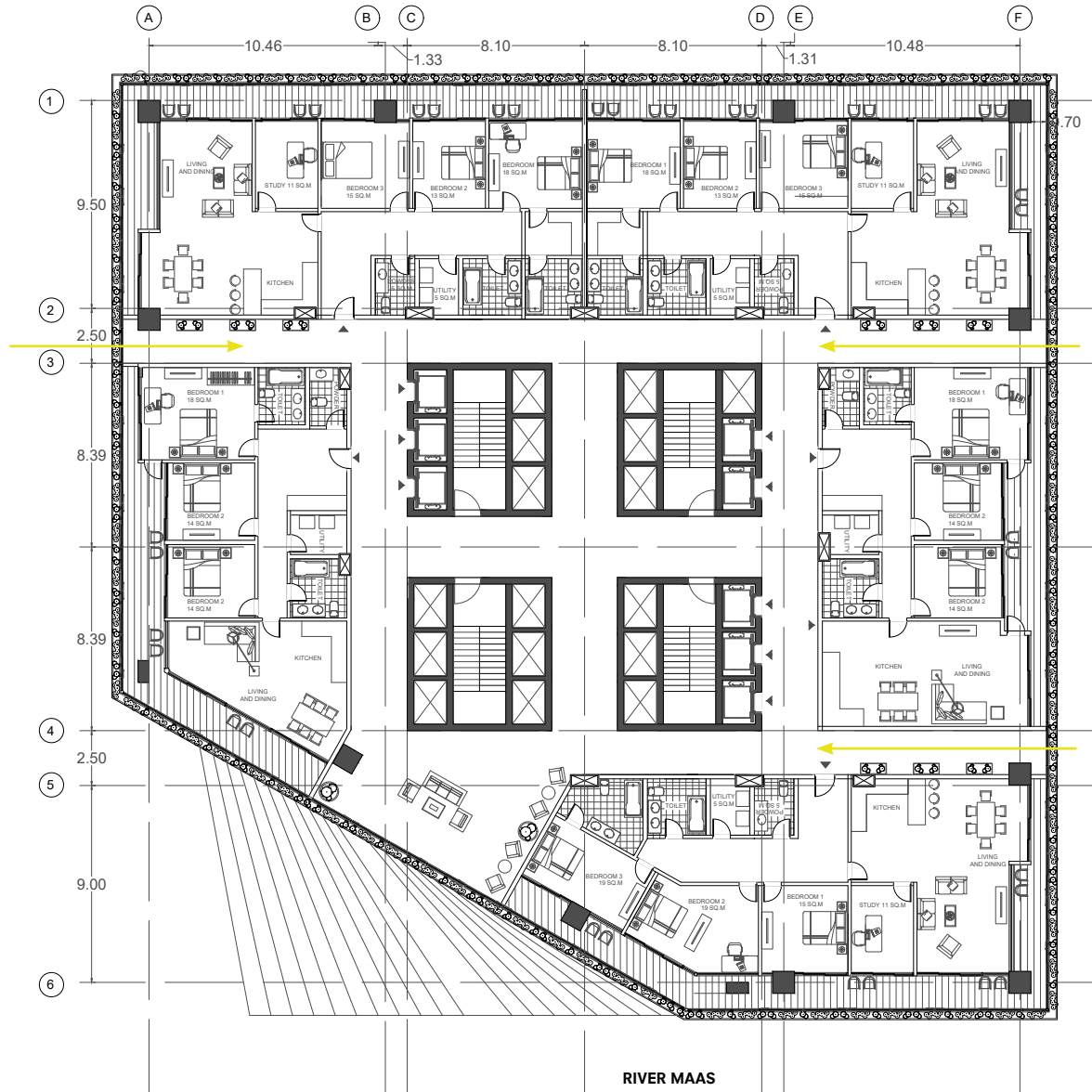
DELFSHAVEN



M4H MAKERS DISTRICT

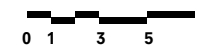
ERASMUS BRIDGE

RIVER MAAS



LEVEL 29 - 30
+110m

Scale 1:200



Typical Residential floor plan - B

DELFSHAVEN

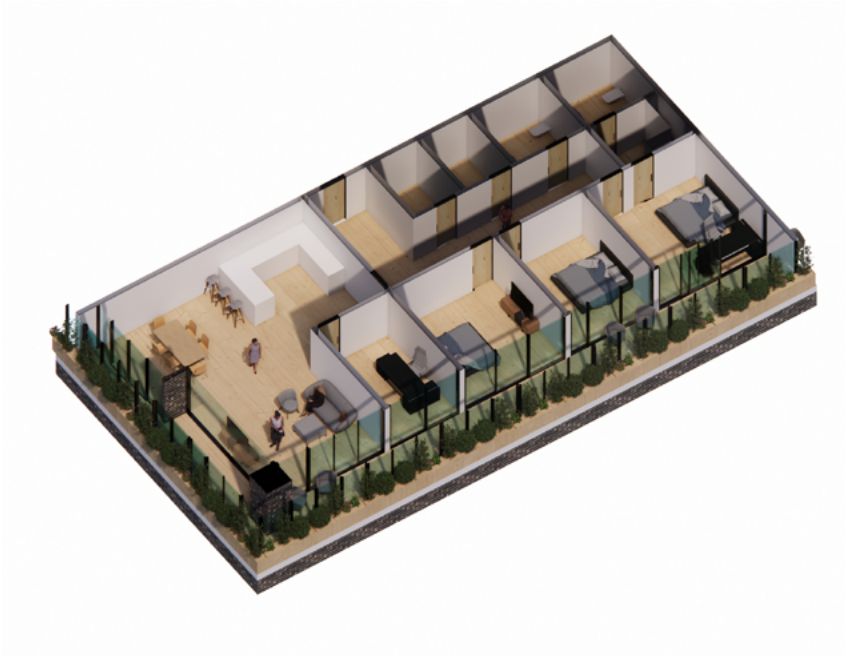


Typical Residential floor plan - B

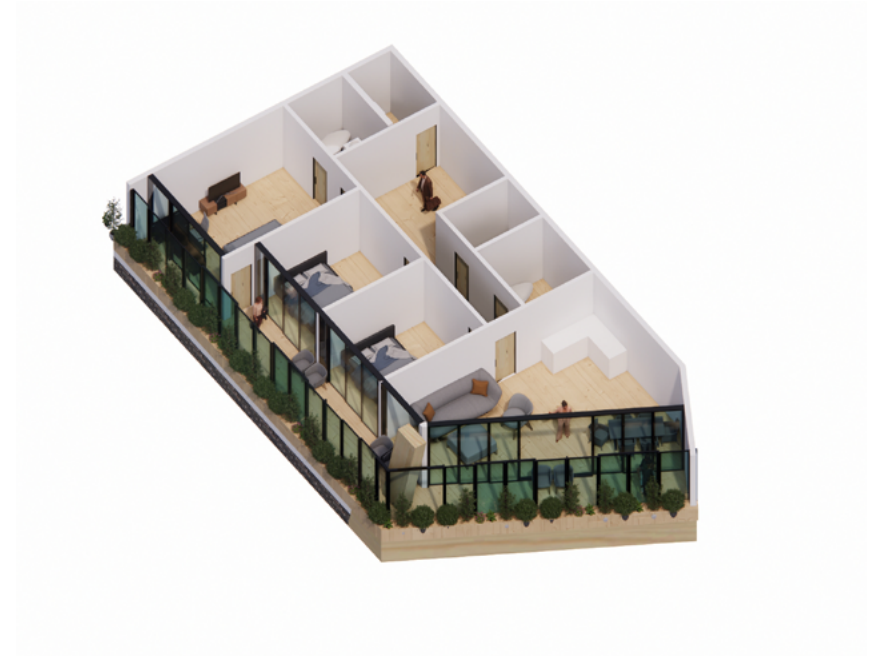
DELFSHAVEN



Typical Residential floor plan - B



4 BHK 180 Sq.m



3BHK 150 Sq.m

Luxury apartments

Implementation

Living room - render



Residence Living Room

Presentation title



Hotel New York

Implementation

Residence Void



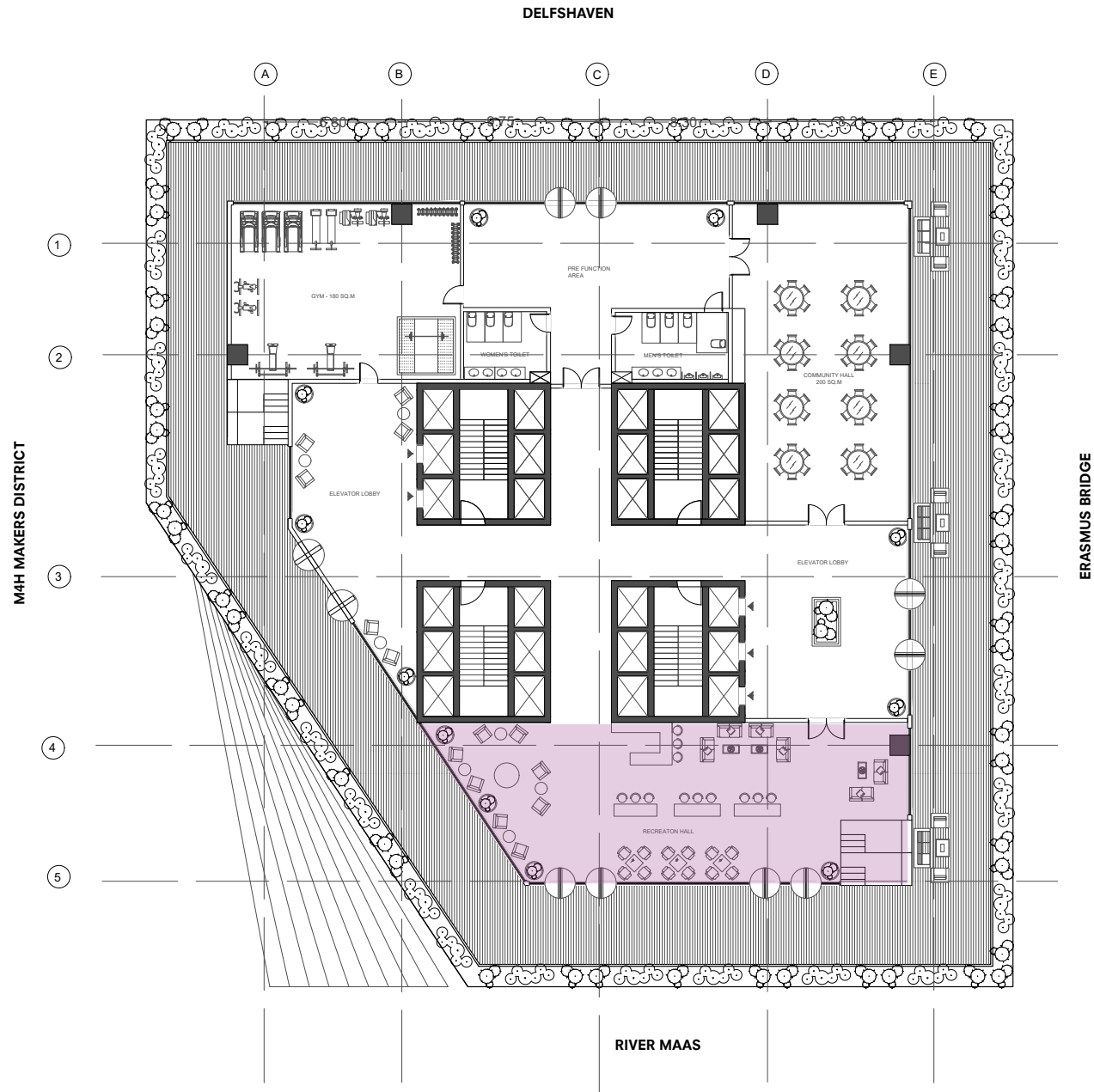
Residence void Steps

Presentation title



Hotel New York

Residence Void



Unobstructed view
from the residence
void

LEVEL 29 - 30
+110m

Scale 1:200



Implementation

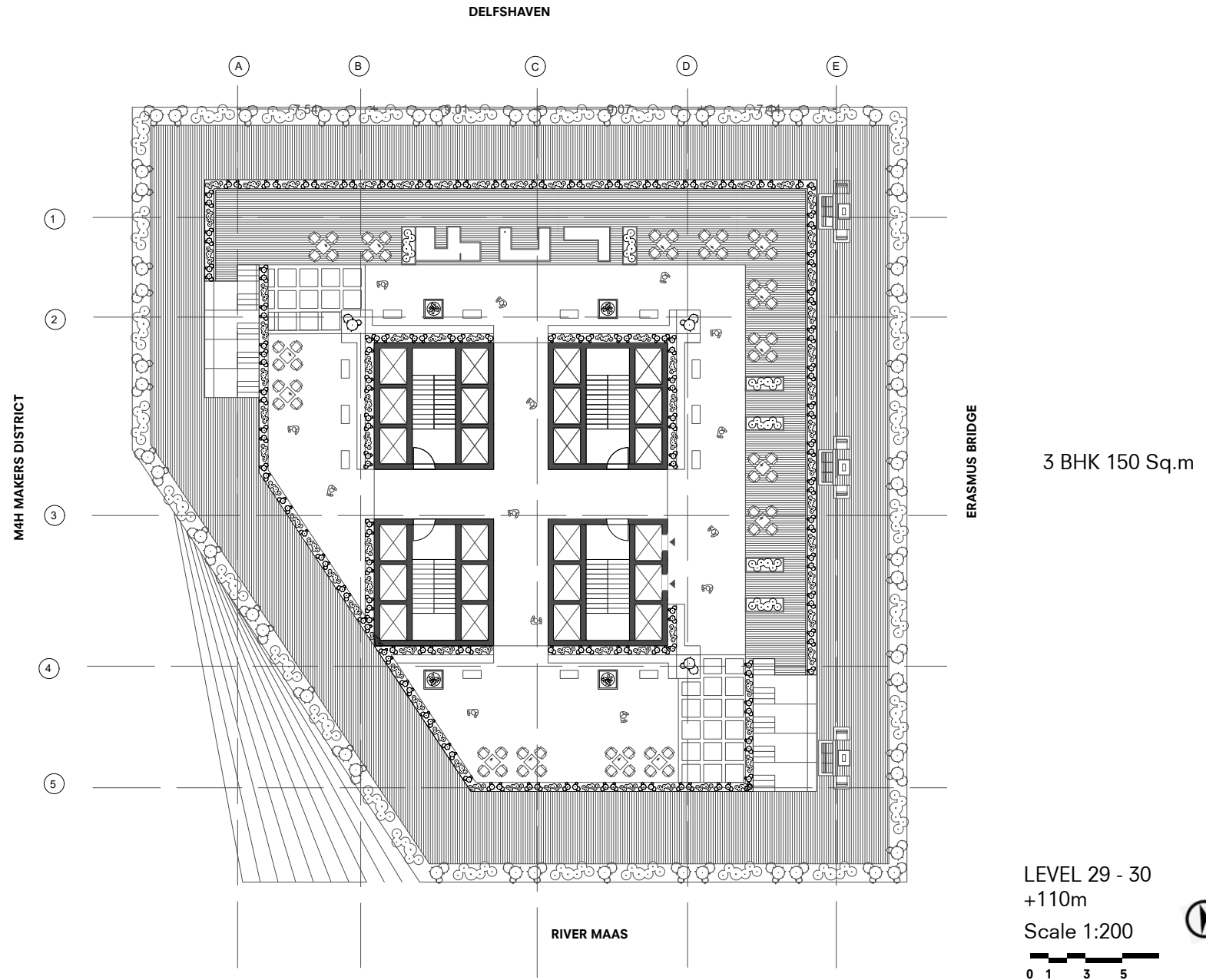
Residence Void



Residence void interior

Floor plans

Residence Void



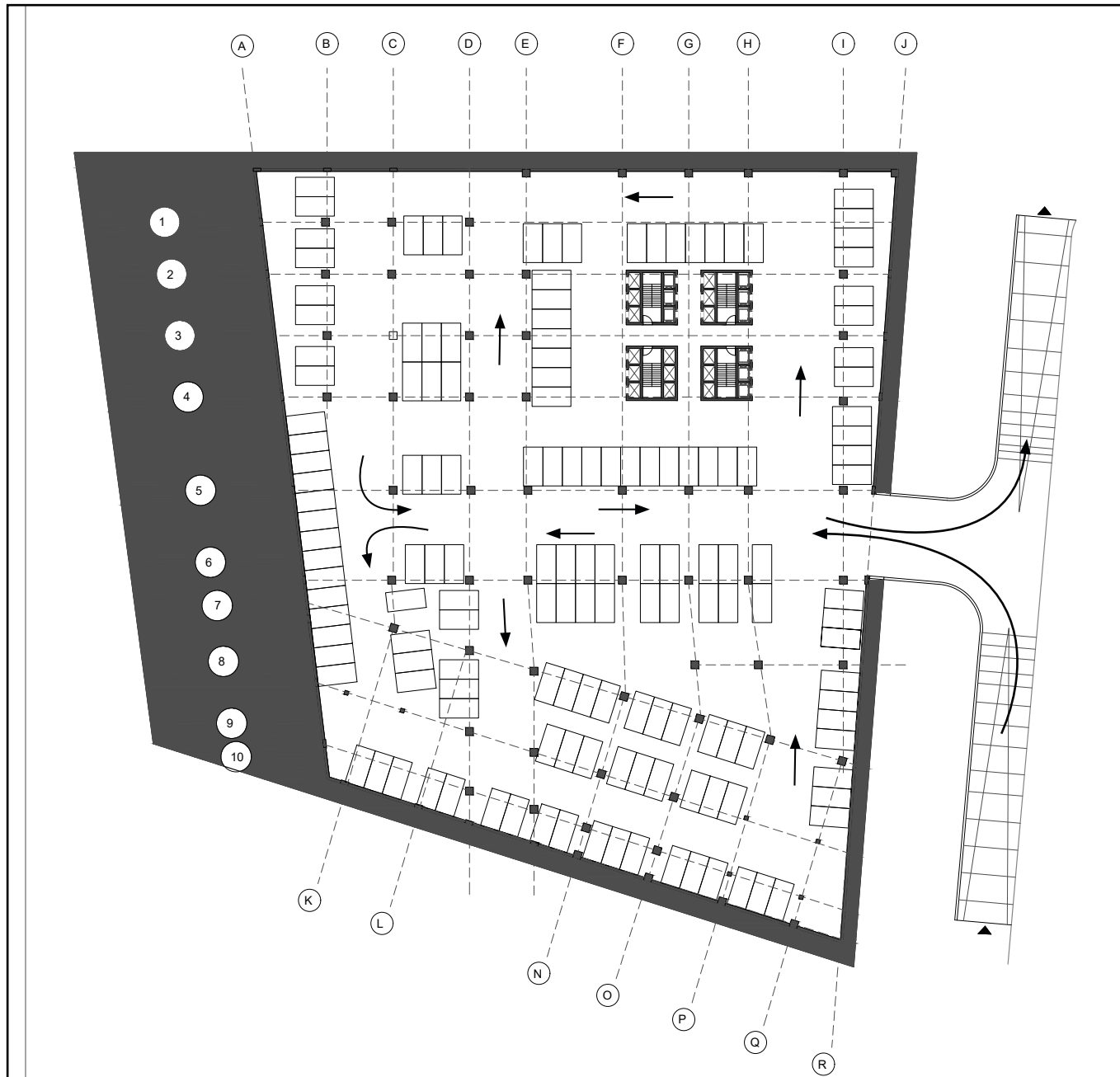
Implementation

Residence Void



Residence void Steps

Parking



Parking

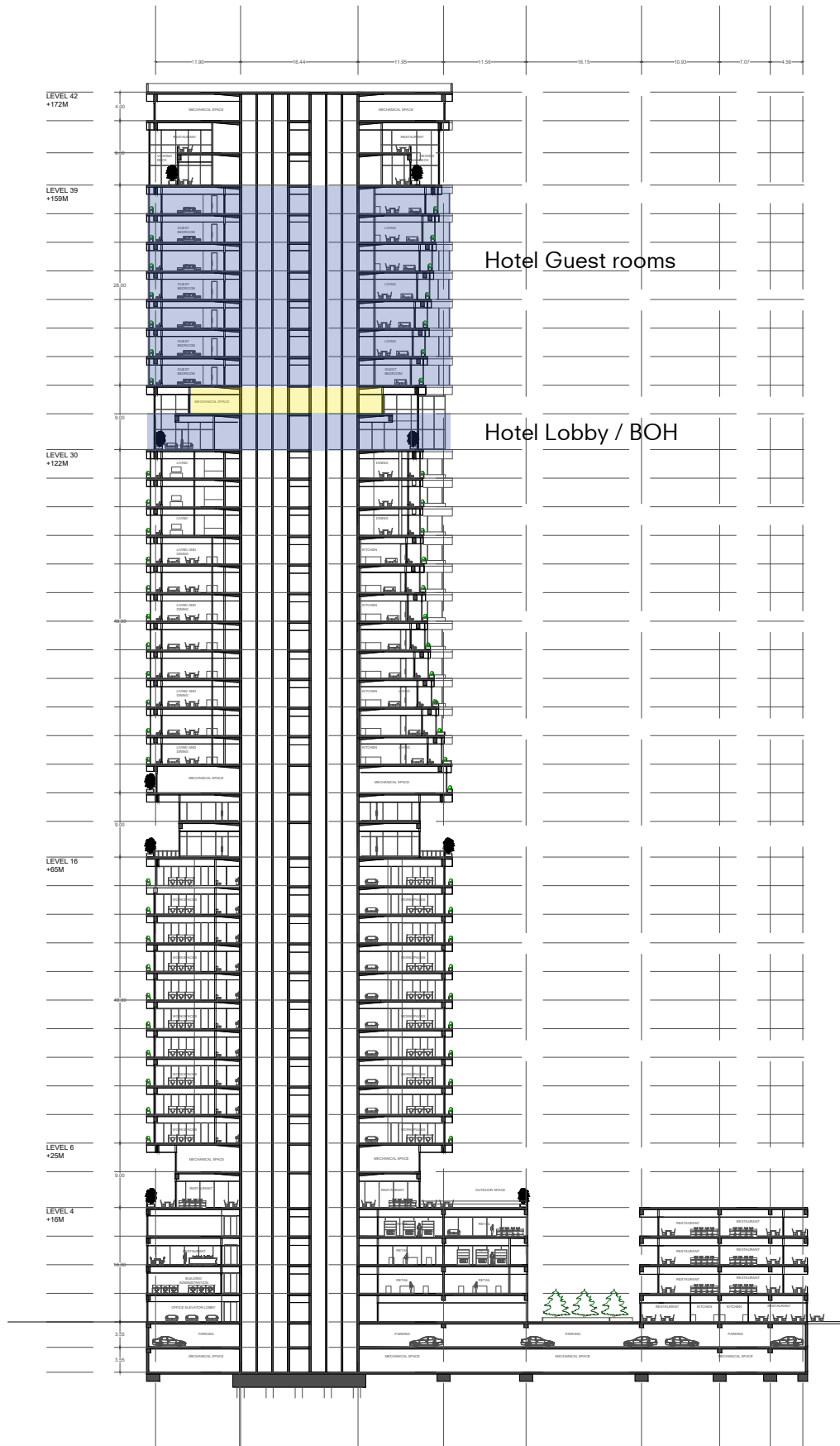
LEVEL -1
-4m
Scale 1:500



HOTEL



Section AA'



LEVEL 16 - 30

Scale 1:500

Implementation

Hotel Lobby



Hotel Lobby

Presentation title



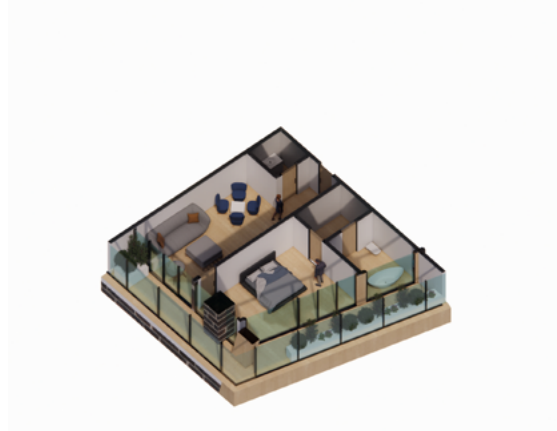
Hotel New York

Floor plans

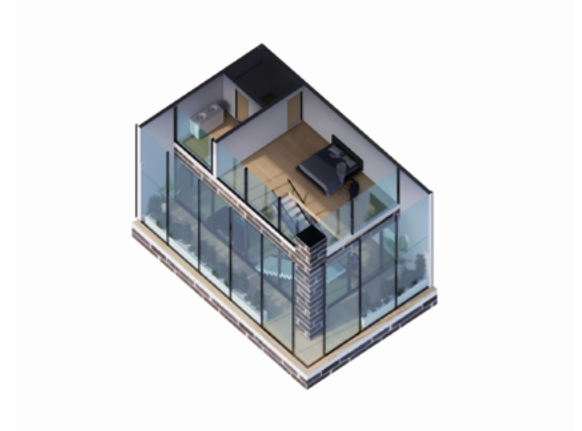
Hotel Room types



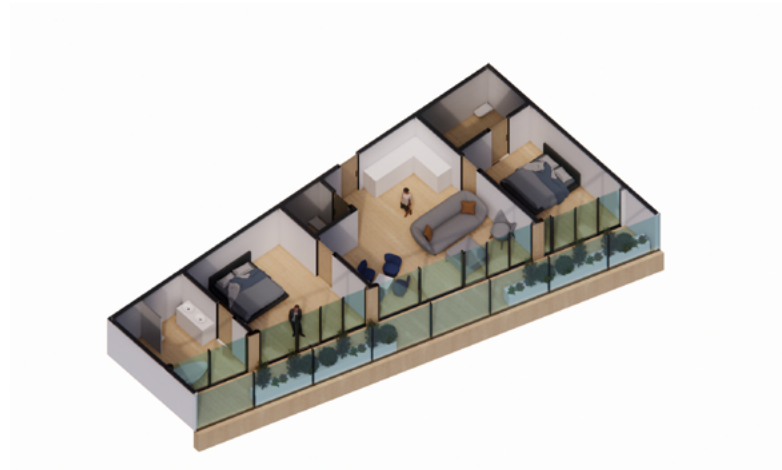
Standard room
35 - 40 Sq.m



Suite room 60 Sq.m



Corner suite 80 Sq.m



Presidential Suite
100 Sq.m

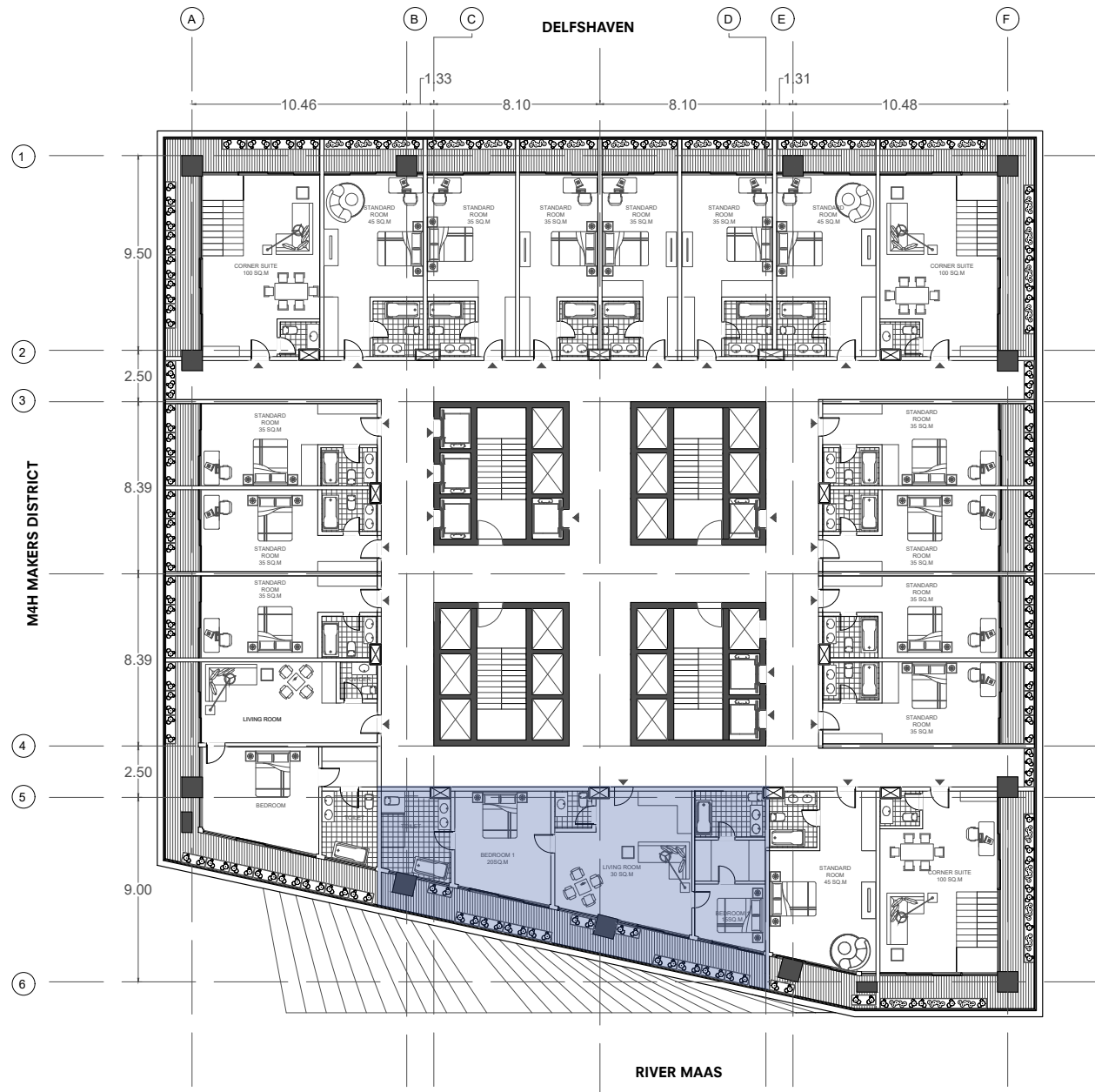
Floor plans

Typical Hotel floor plan - A



Floor plans

Typical Hotel floor plan - A

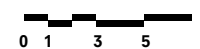


Presidential Suite
100 Sq.m

LEVEL 36

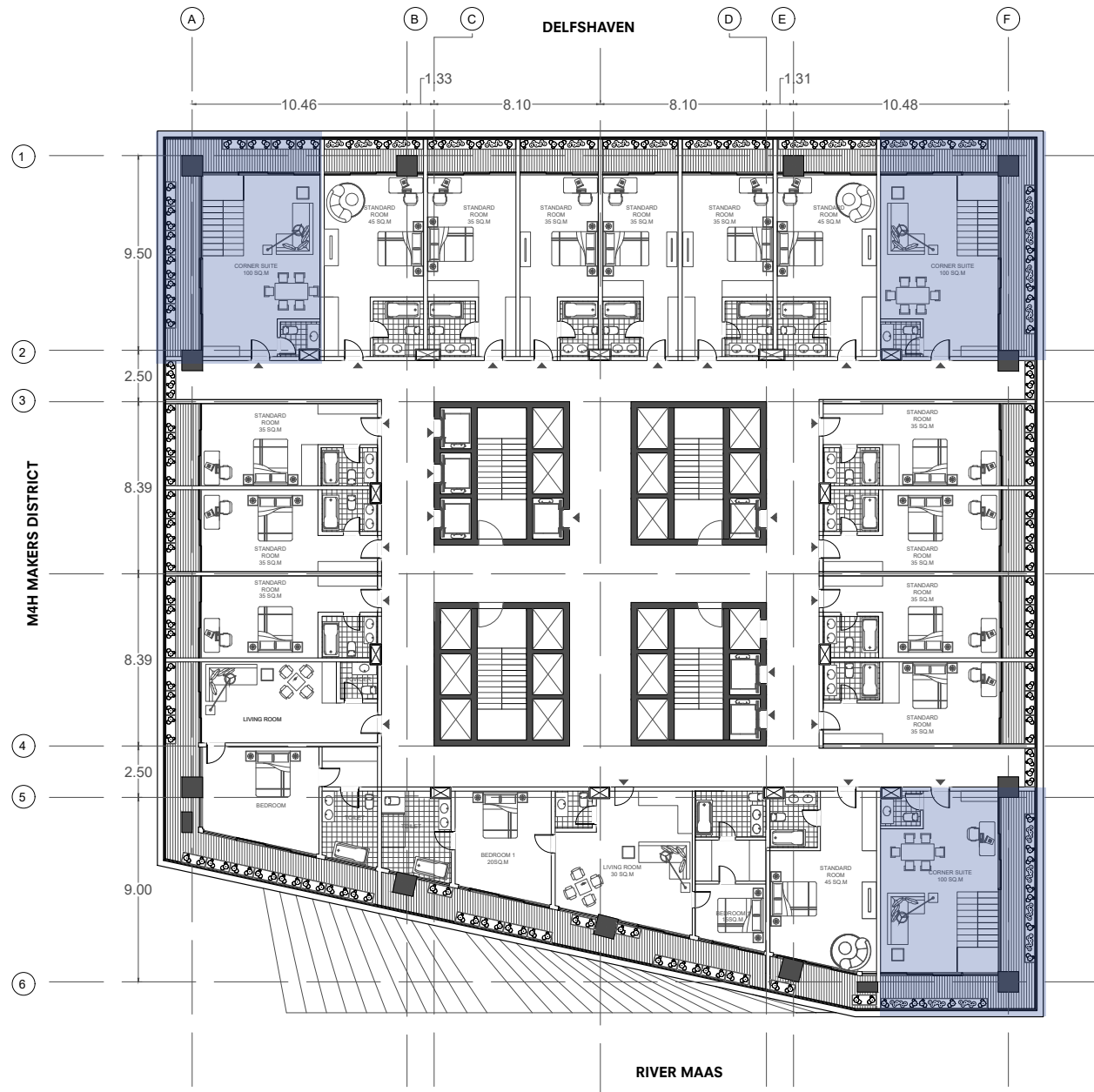
+135m

Scale 1:200



Floor plans

Typical Hotel floor plan - A



Corner suite 80 Sq.m

LEVEL 36

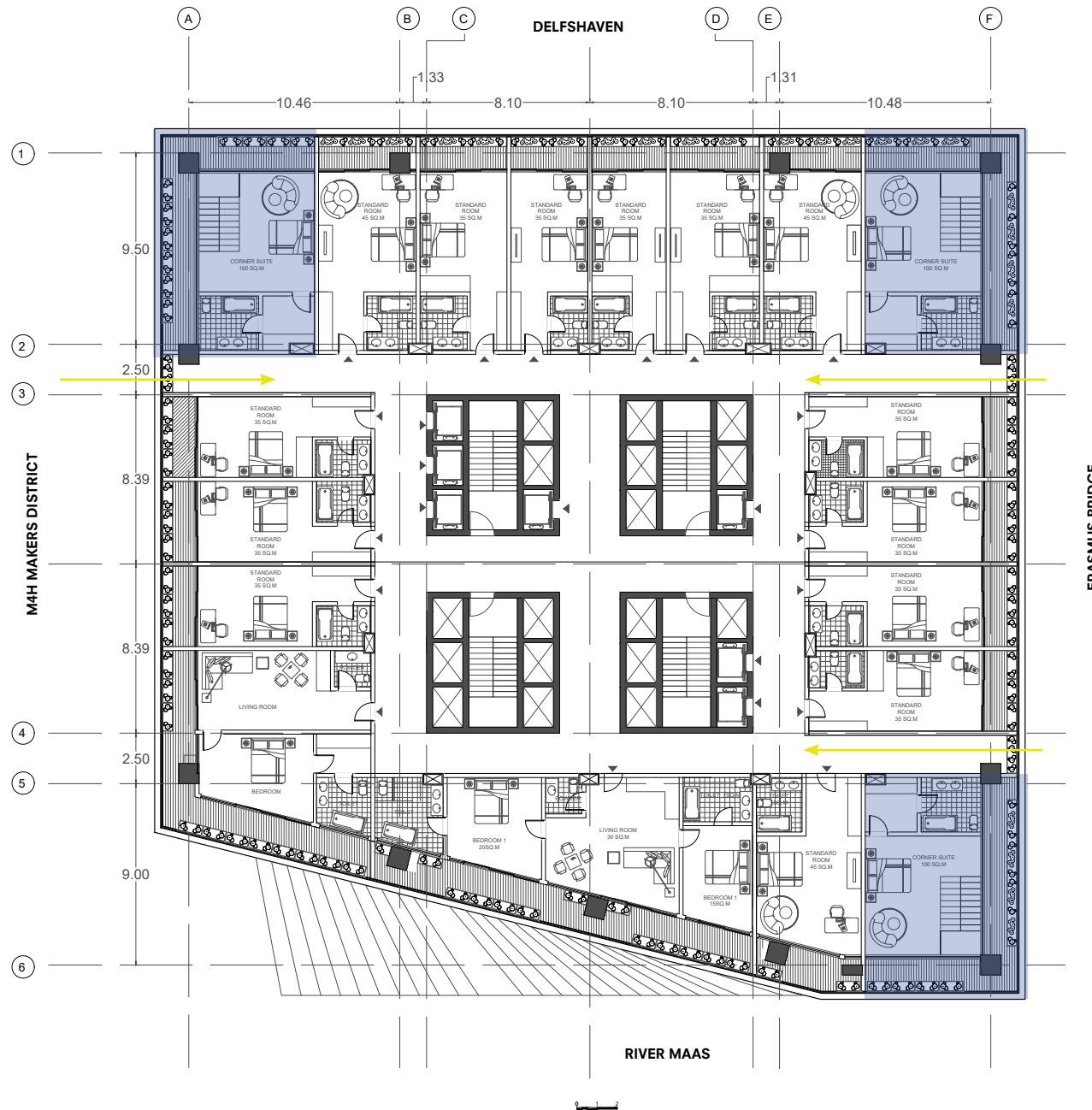
+135m

Scale 1:200



Floor plans

Typical Hotel floor plan - B



Corner suite 80 Sq.m

LEVEL 35

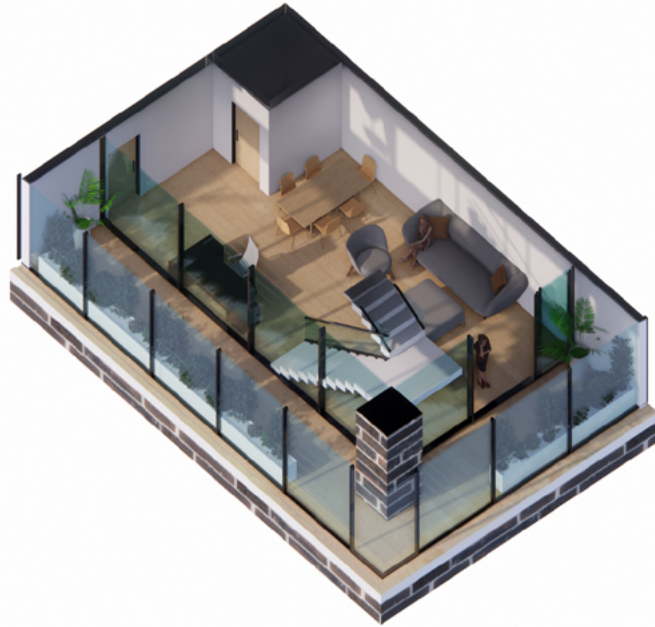
+135m

Scale 1:200

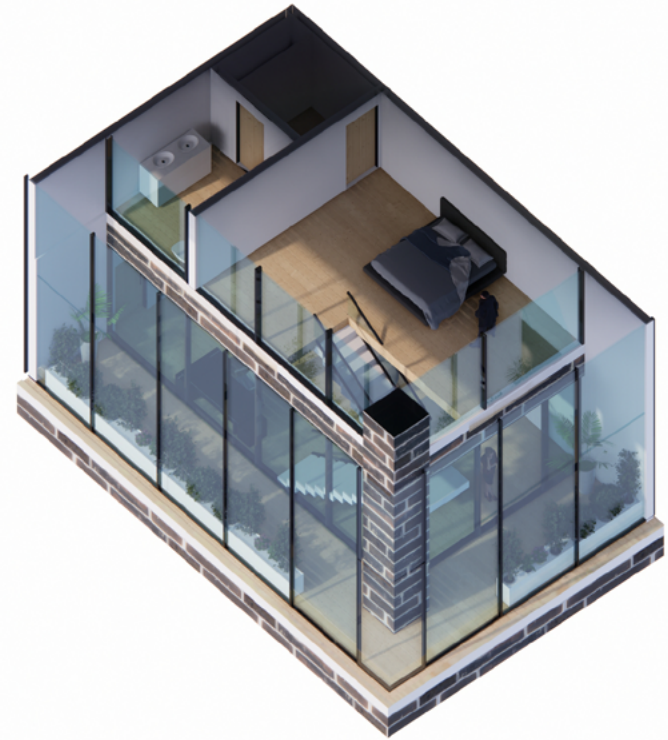


Floor plans

Corner Suite



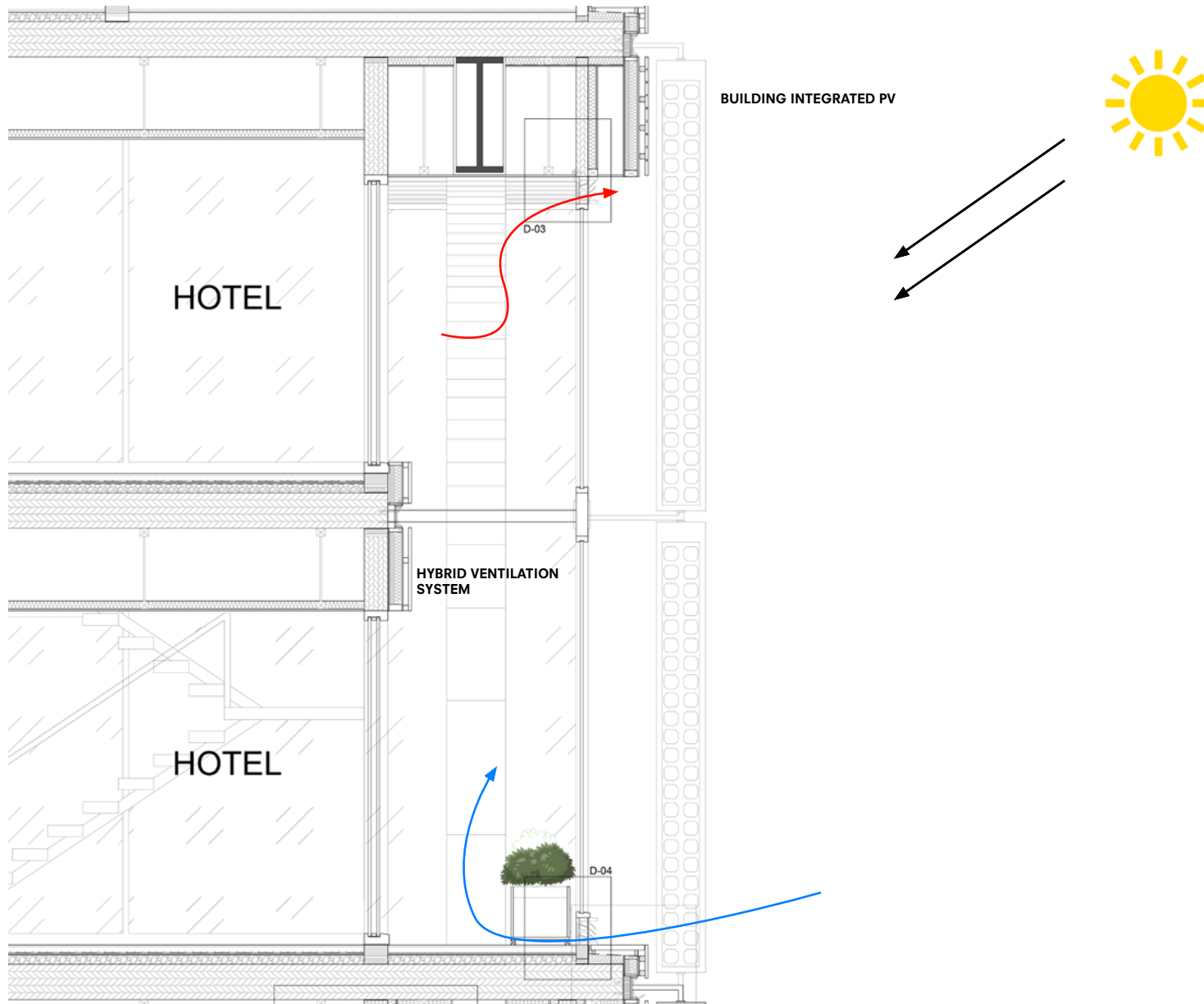
Level - A



Lower level - B

Contextual Corner
suite 80 Sq.m

HOTEL FACADE



Implementation

Hotel



**Corner room - Lower
floor**

Implementation

Hotel



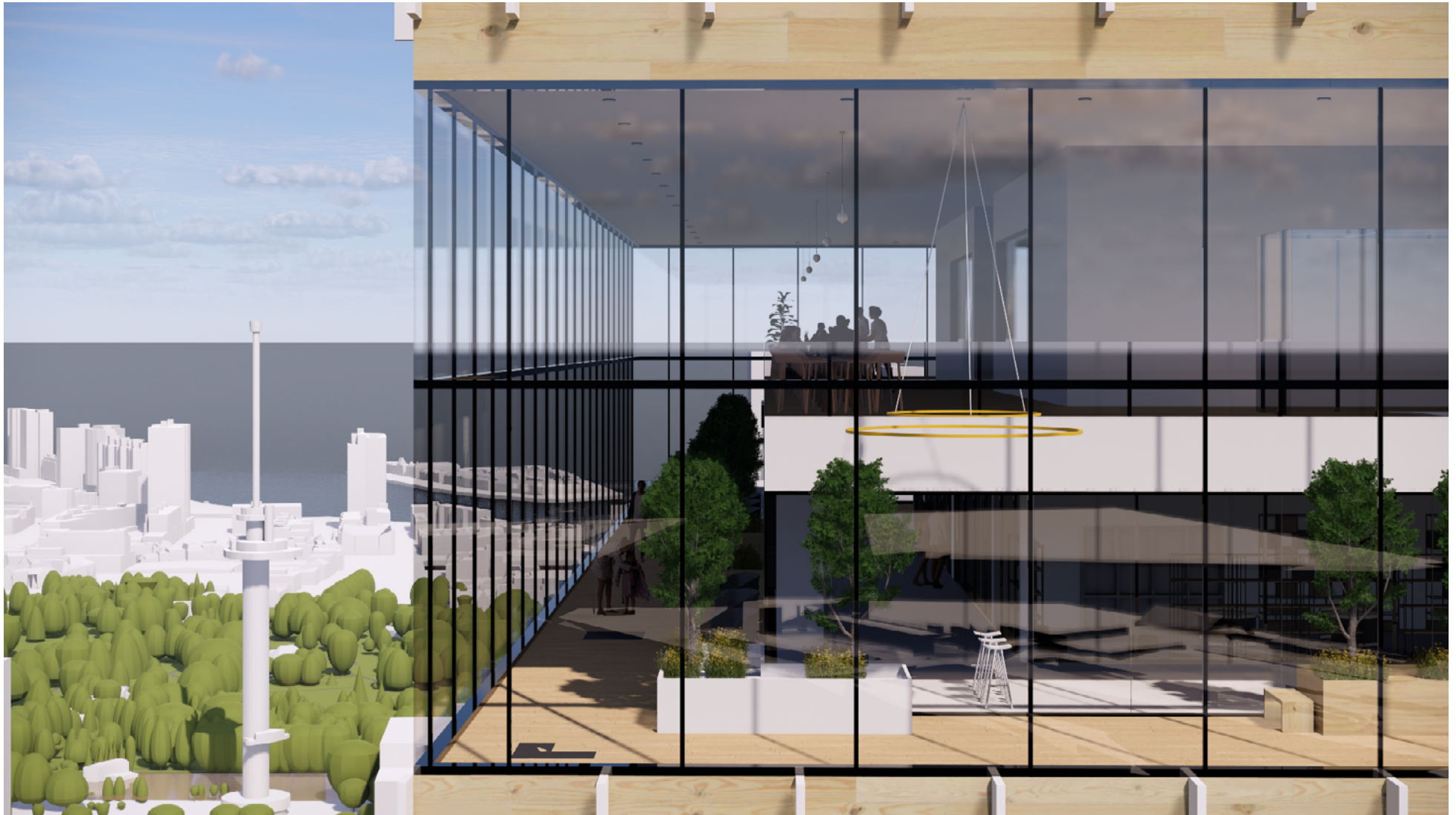
Corner room - Upper floor

VIEWING DECK



Implementation

Public Void



Public Viewing Deck

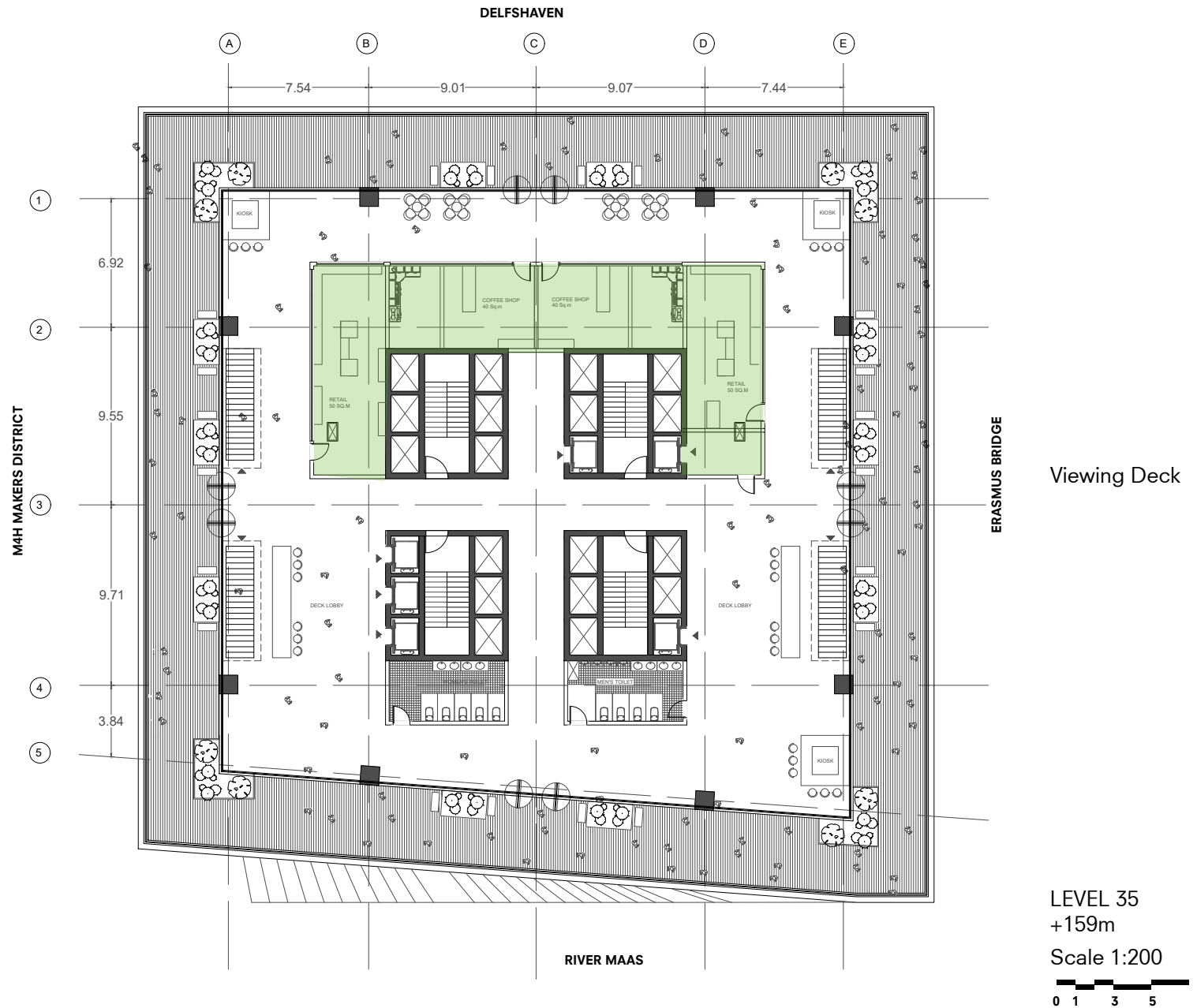
Presentation title



Hotel New York

Floor plans

Public Void



Implementation

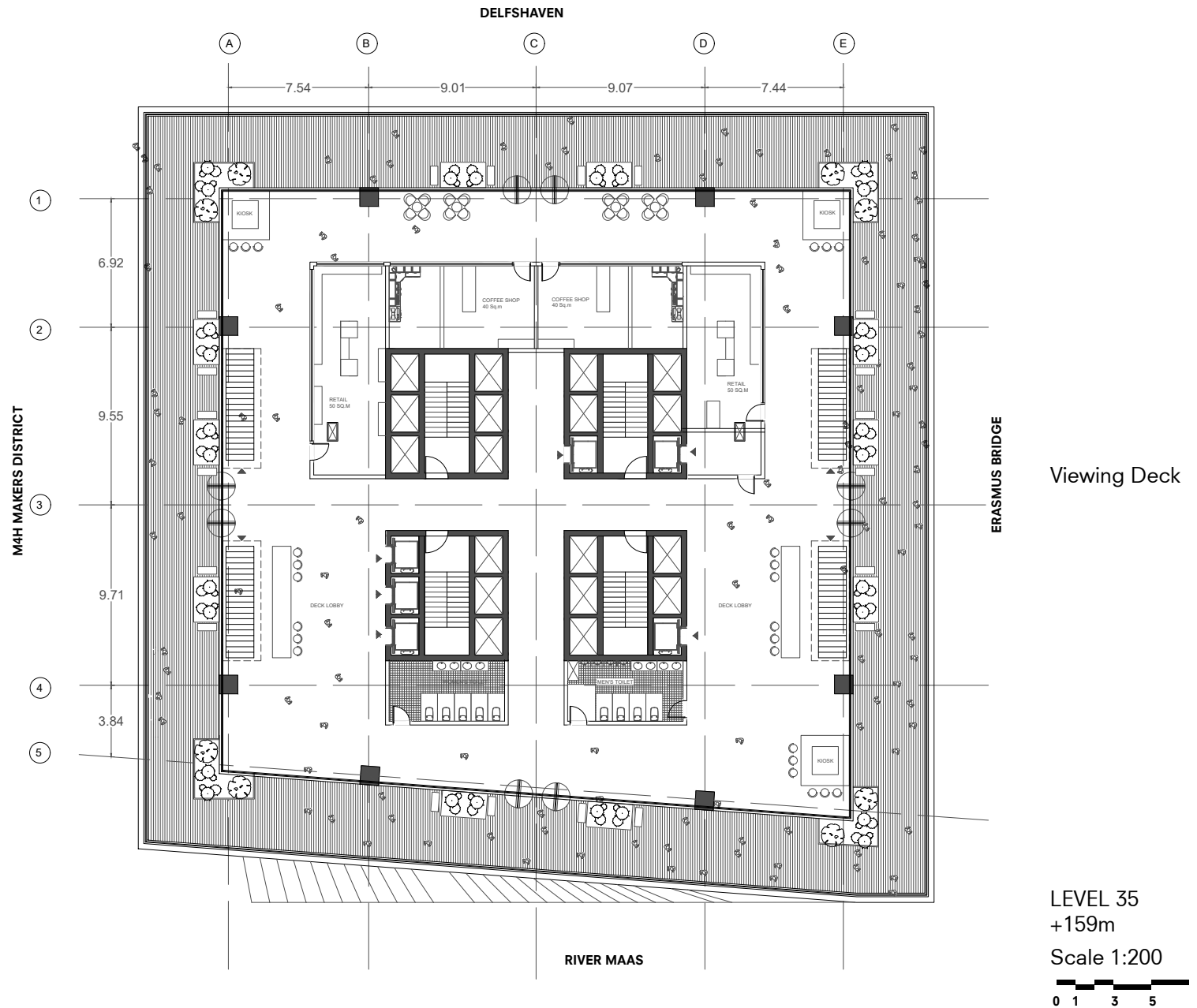
Public Void



Gift and Coffee shops

Floor plans

Public Void



Implementation

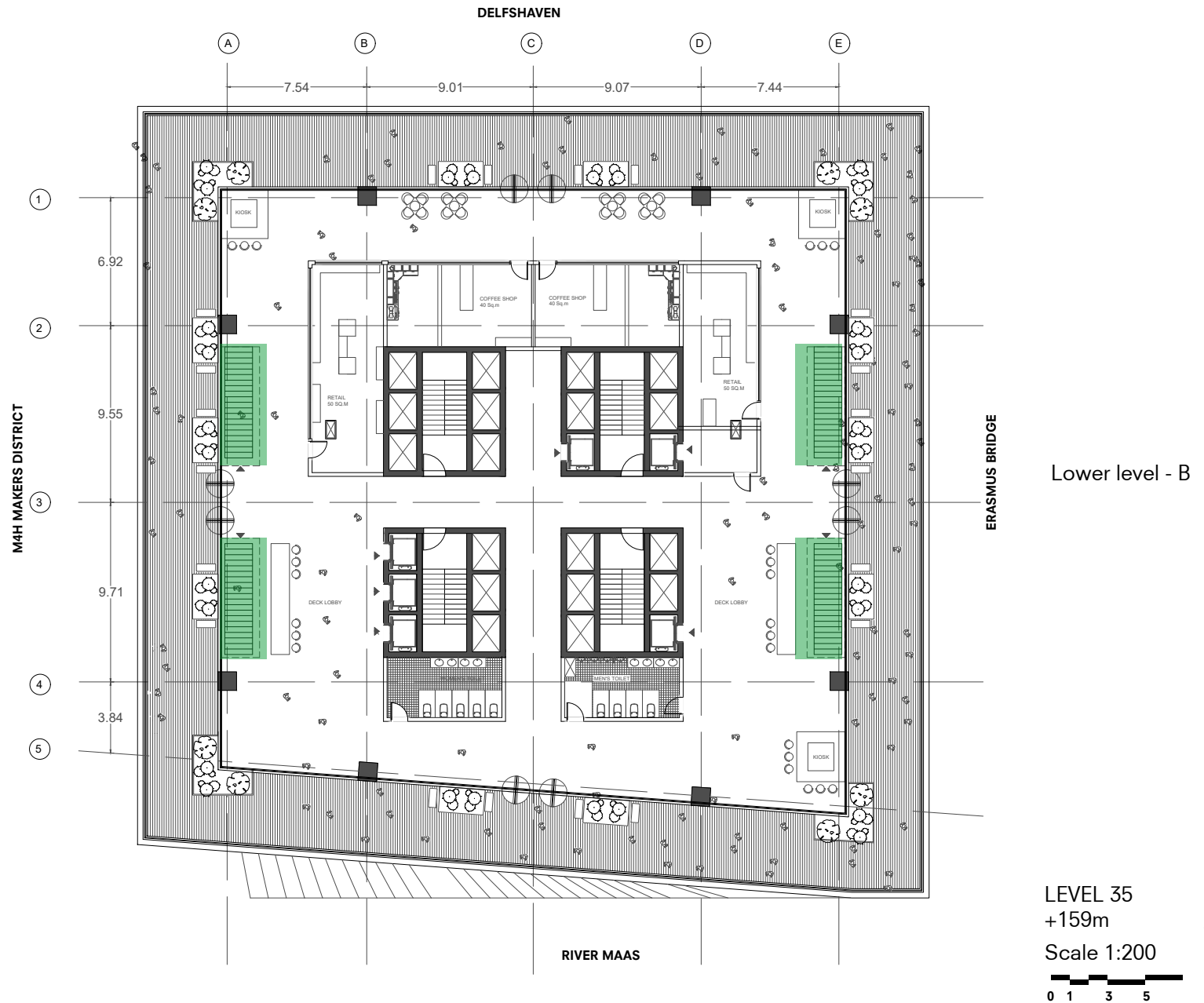
Public Void



Viewing Deck

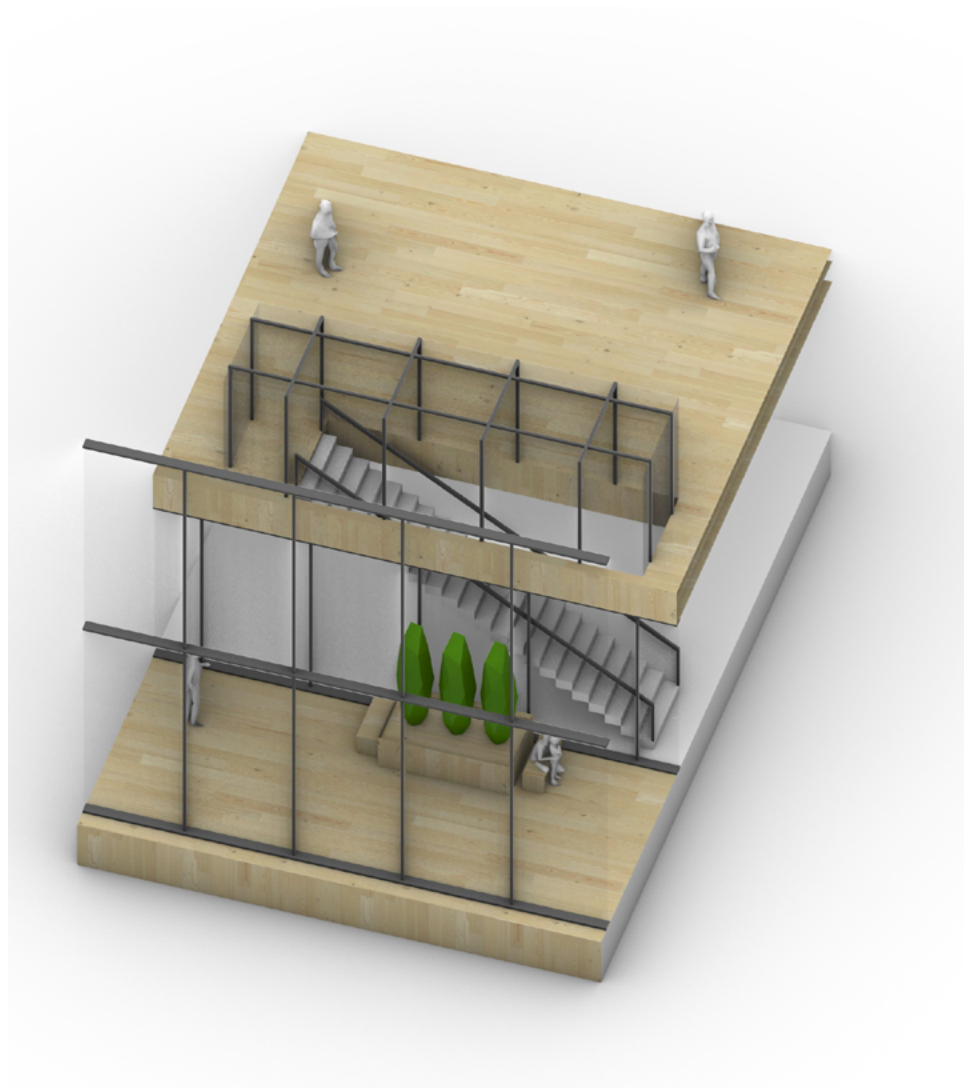
Floor plans

Public Void



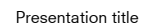
Floor plans

Public Void



Lower level - B

Public Mezzanine



Floor plans

Public Void



Gift and Coffee shops

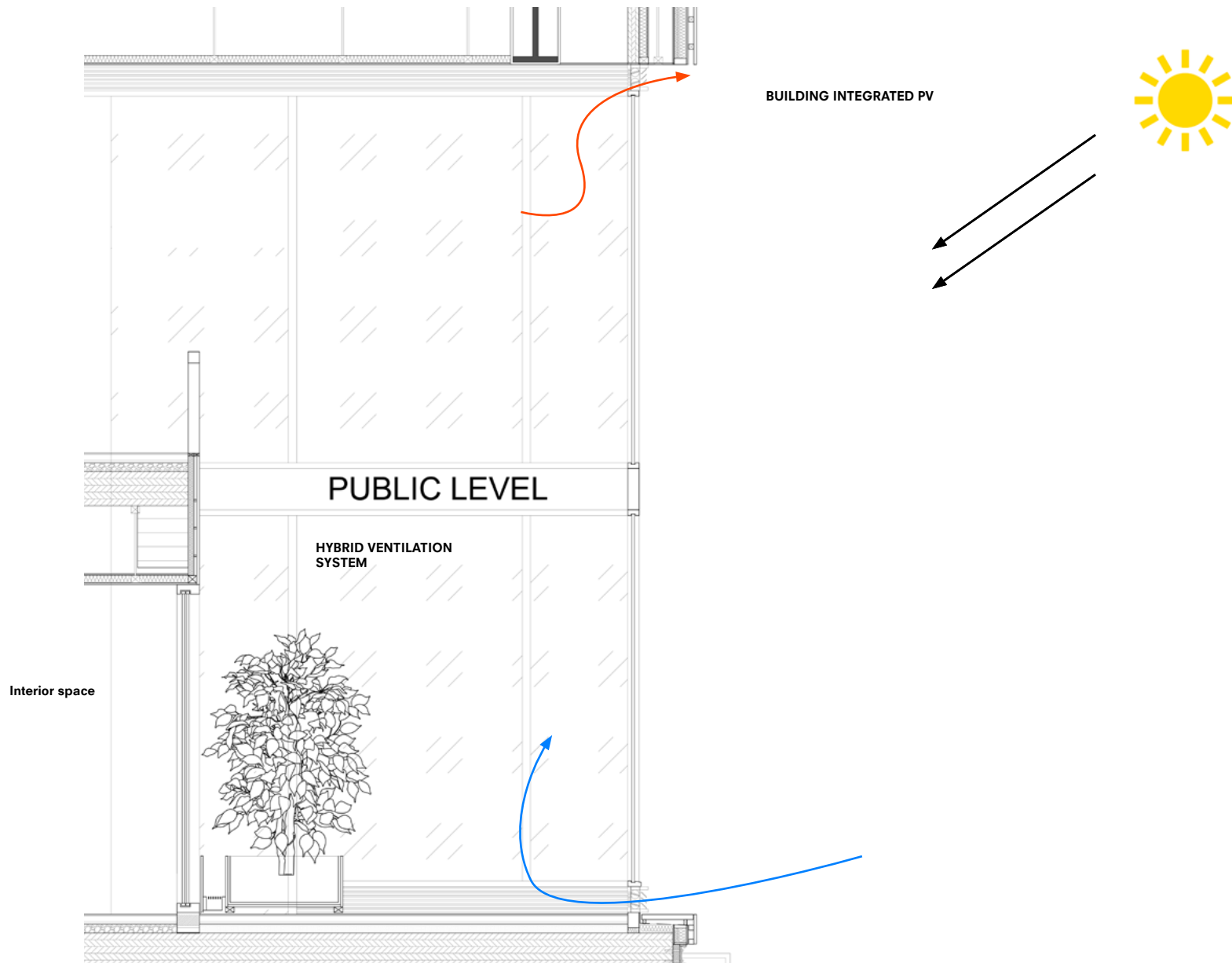
Presentation title



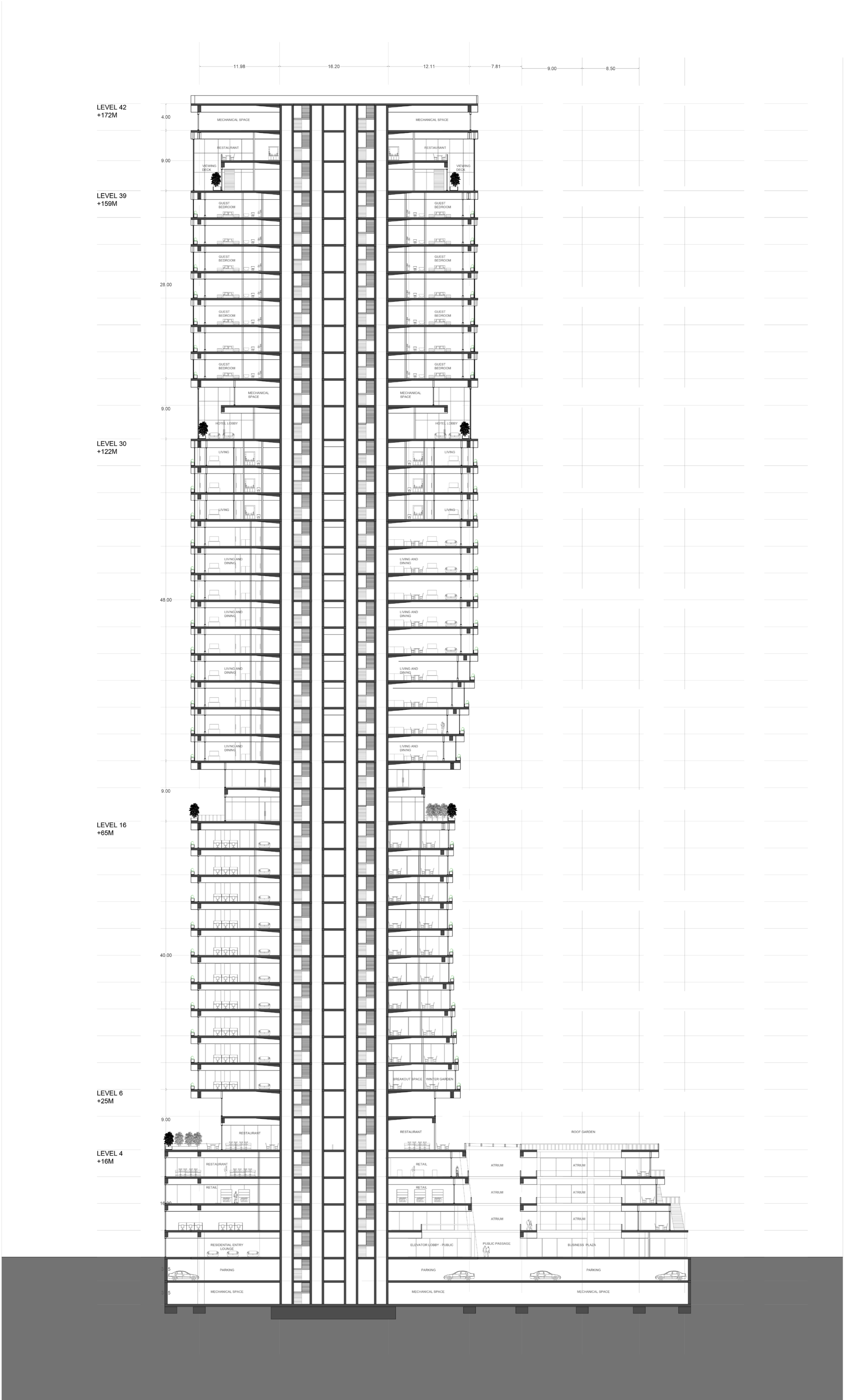
Hotel New York

Floor plans

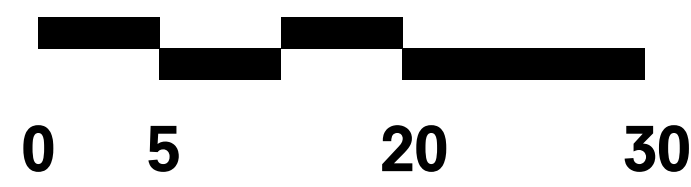
Public Void



Section BB'



SCALE 1:200



Introduction

Research

Design Brief

Project Concept

Implementation

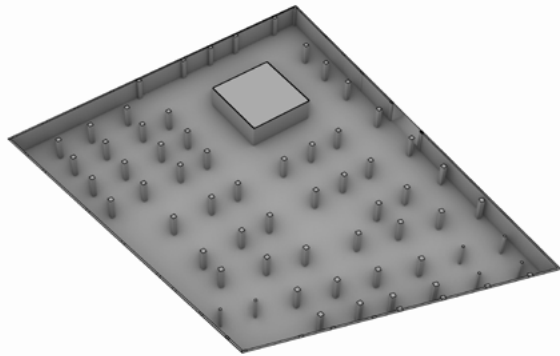
Development

Conclusion

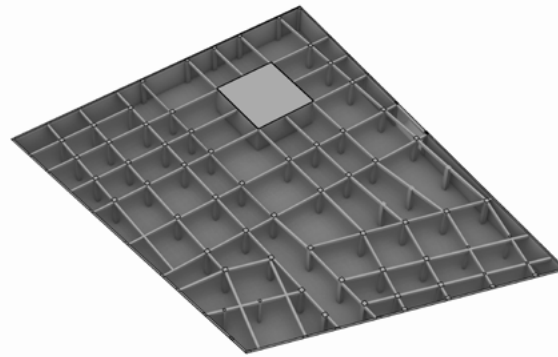
INDEX

Development

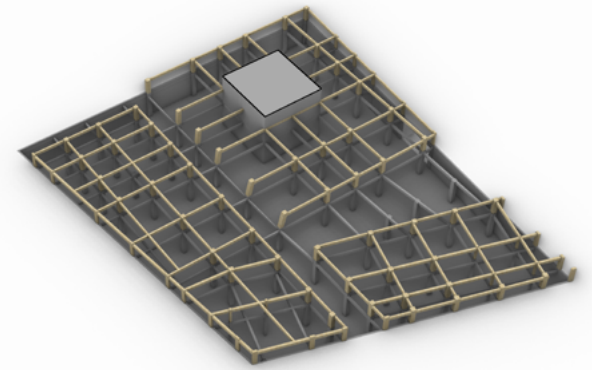
Construction



Concrete Base & Foundation



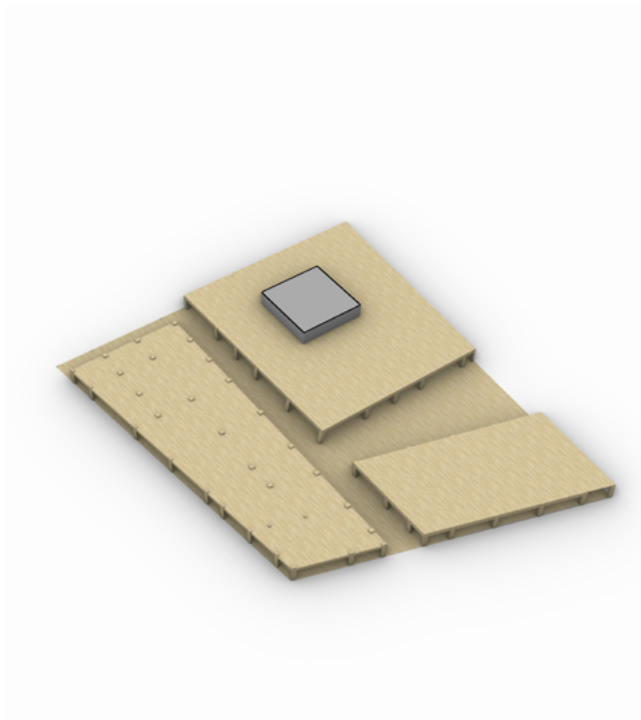
Concre Beams & Columns



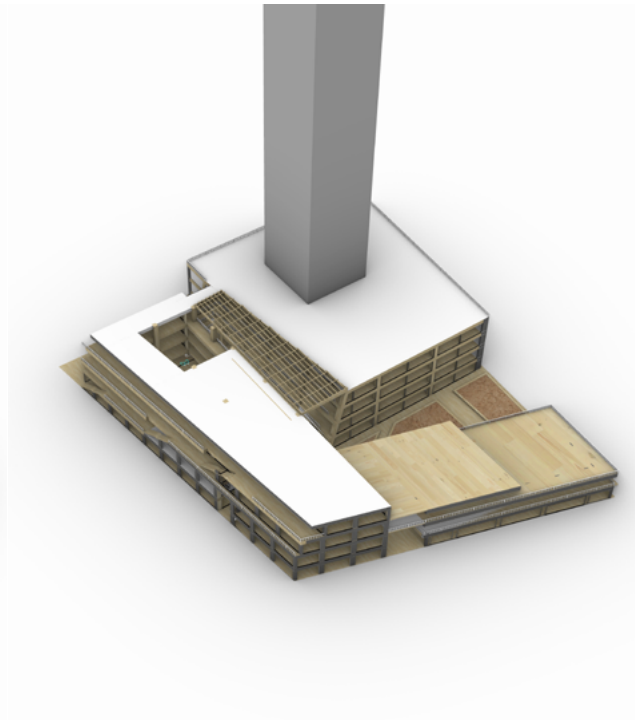
Tranistion to Glulam columns

Development

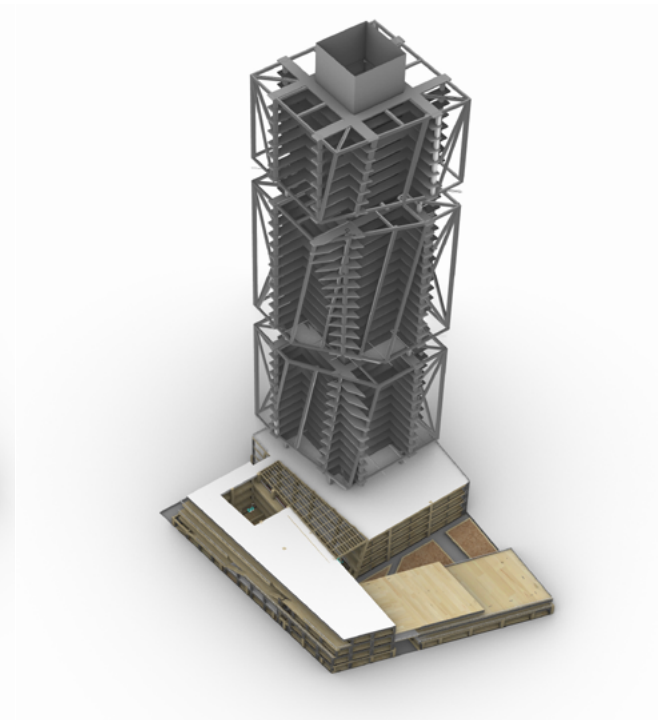
Construction



CLT floors supported by Glulam columns and beams



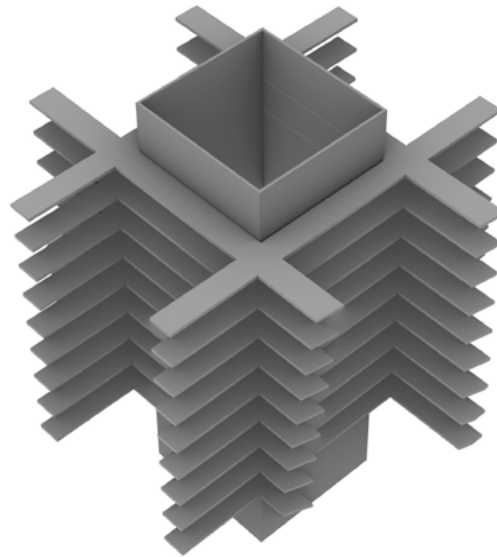
Podium structure construction and core



Individual blocks anchored to the main core

Development

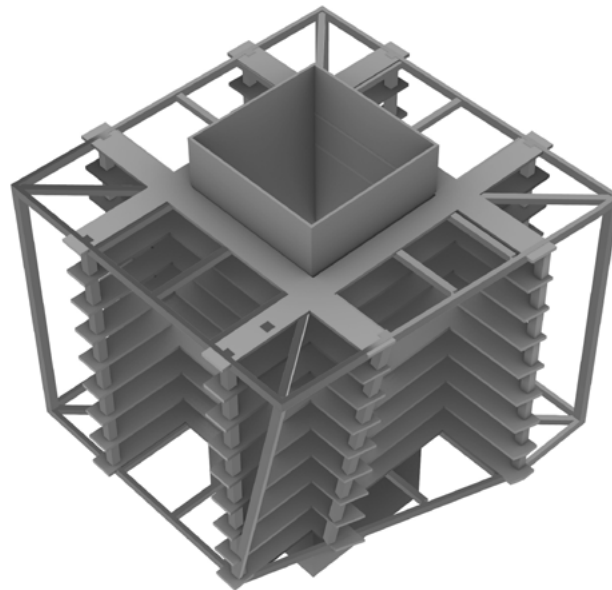
Construction



Concrete Beams Anchored from the
core extended outwards

Development

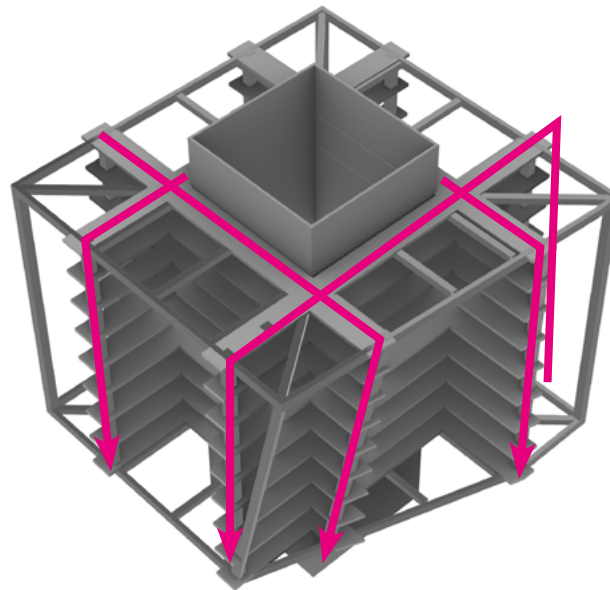
Construction



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

Development

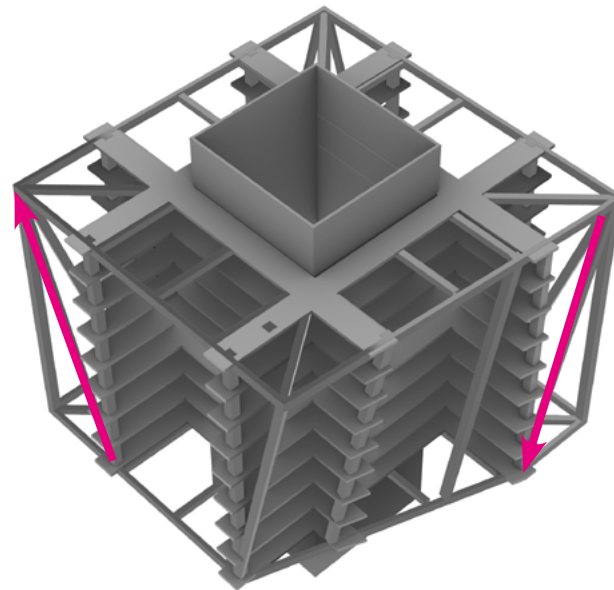
Construction



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

Development

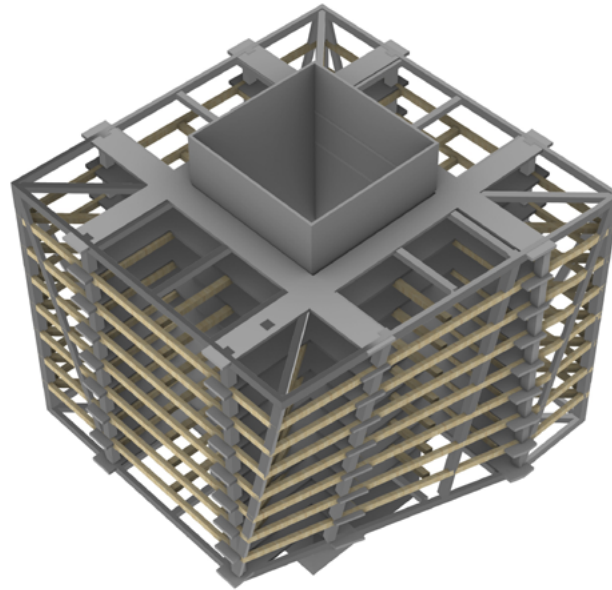
Construction



Braces added which connect to the
main load bearing loop system

Development

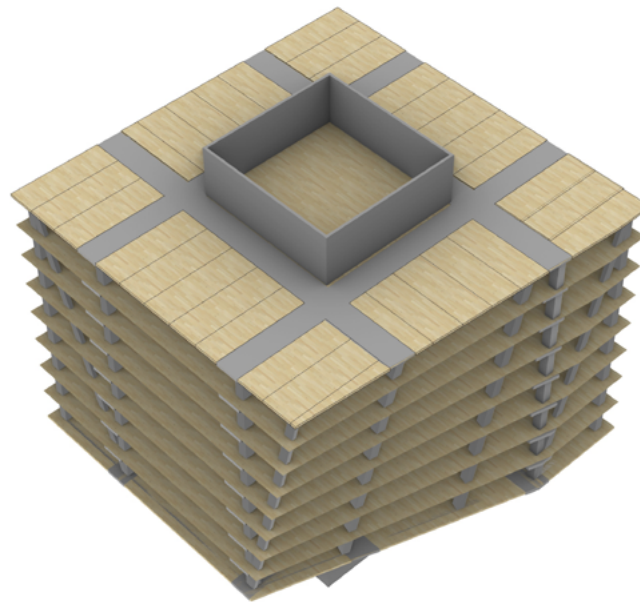
Construction



Timber infills as secondary support
structure for floors

Development

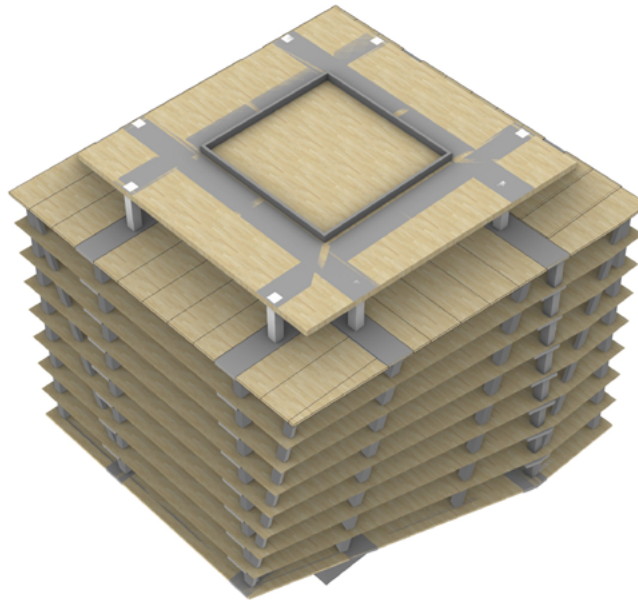
Construction



Timber infills as secondary support
structure for floors

Development

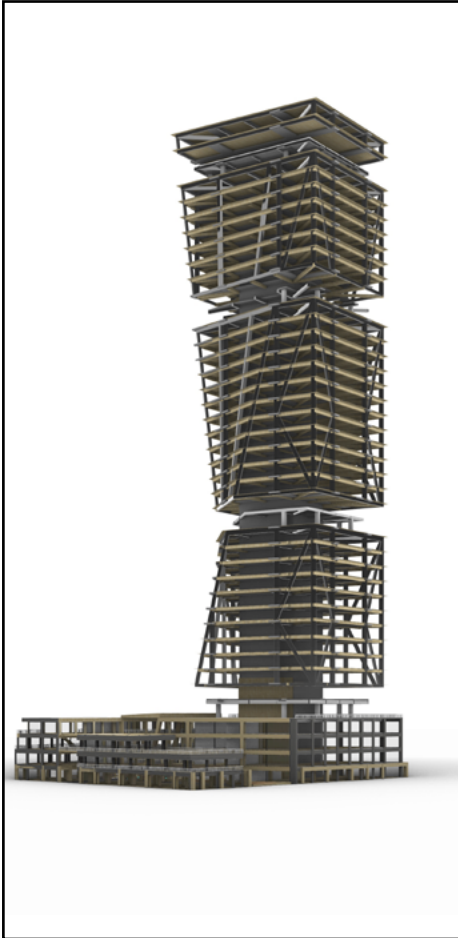
Construction



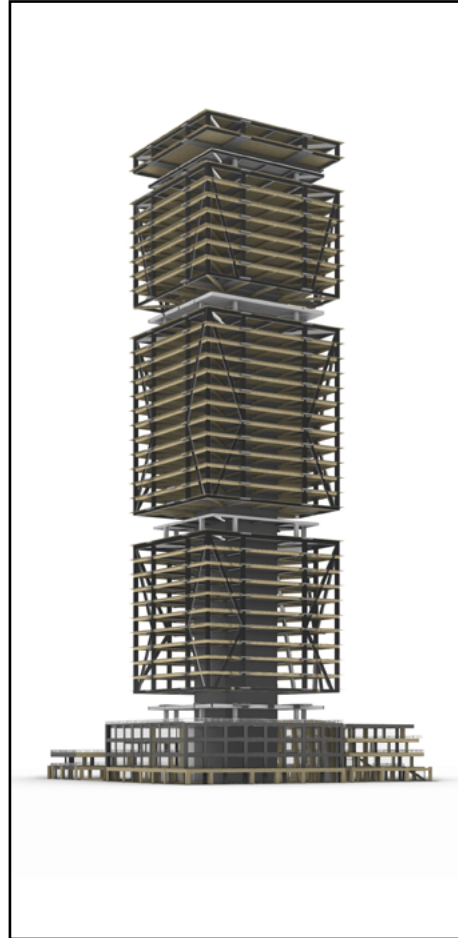
The loop system is used to support
the mezzanine floor on the last level
of every block

Development

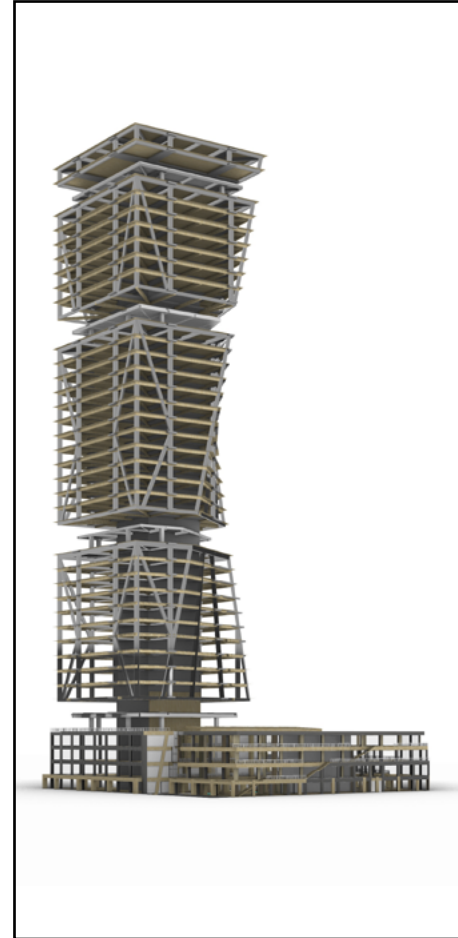
Construction



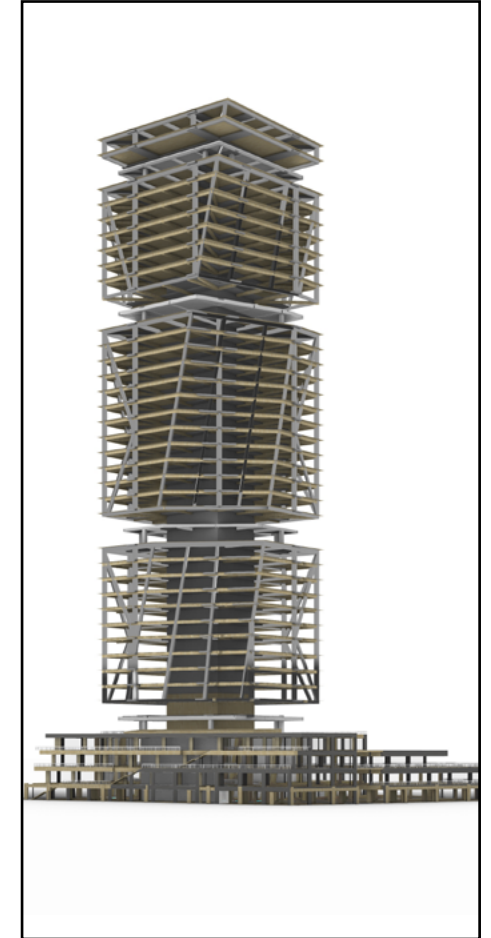
South - East



North East



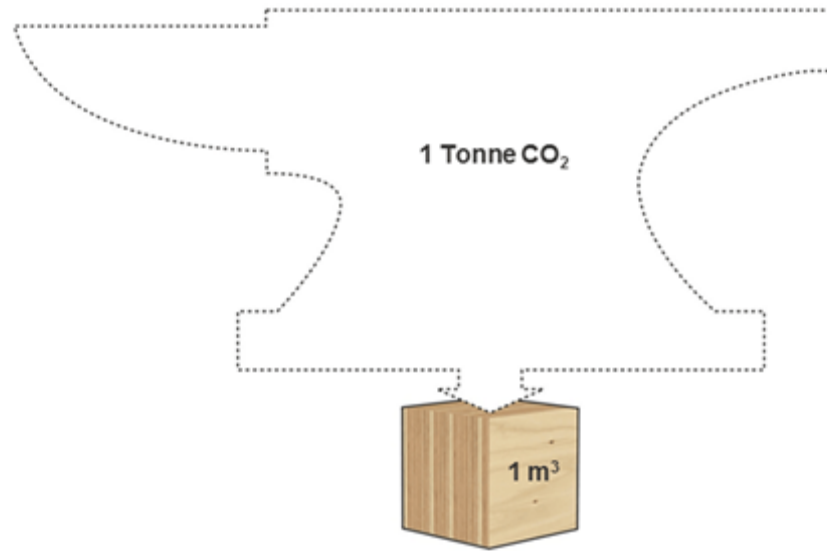
Norht West



South east



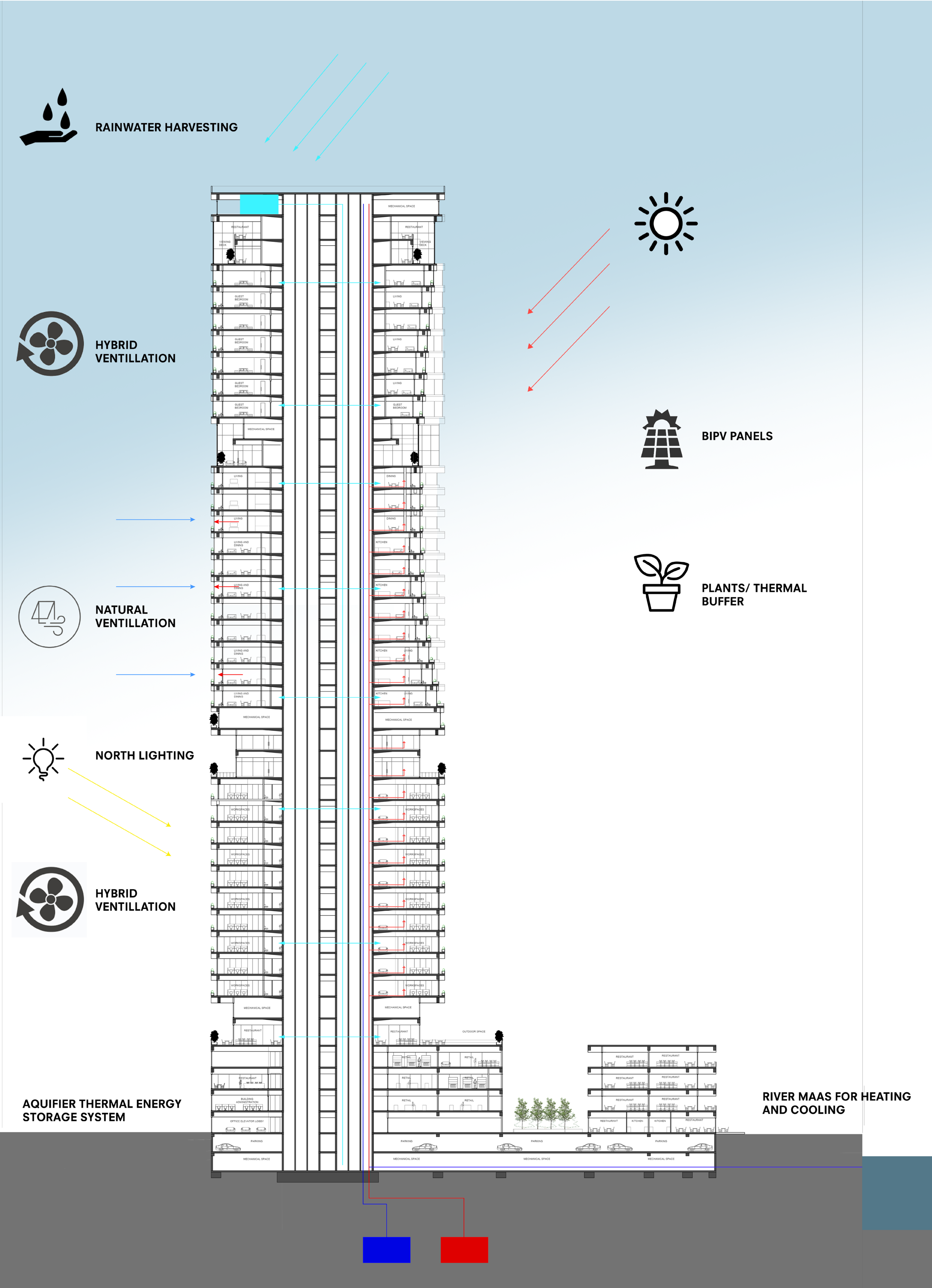
Construction



Carbon Sequestration of
timber

Implementation

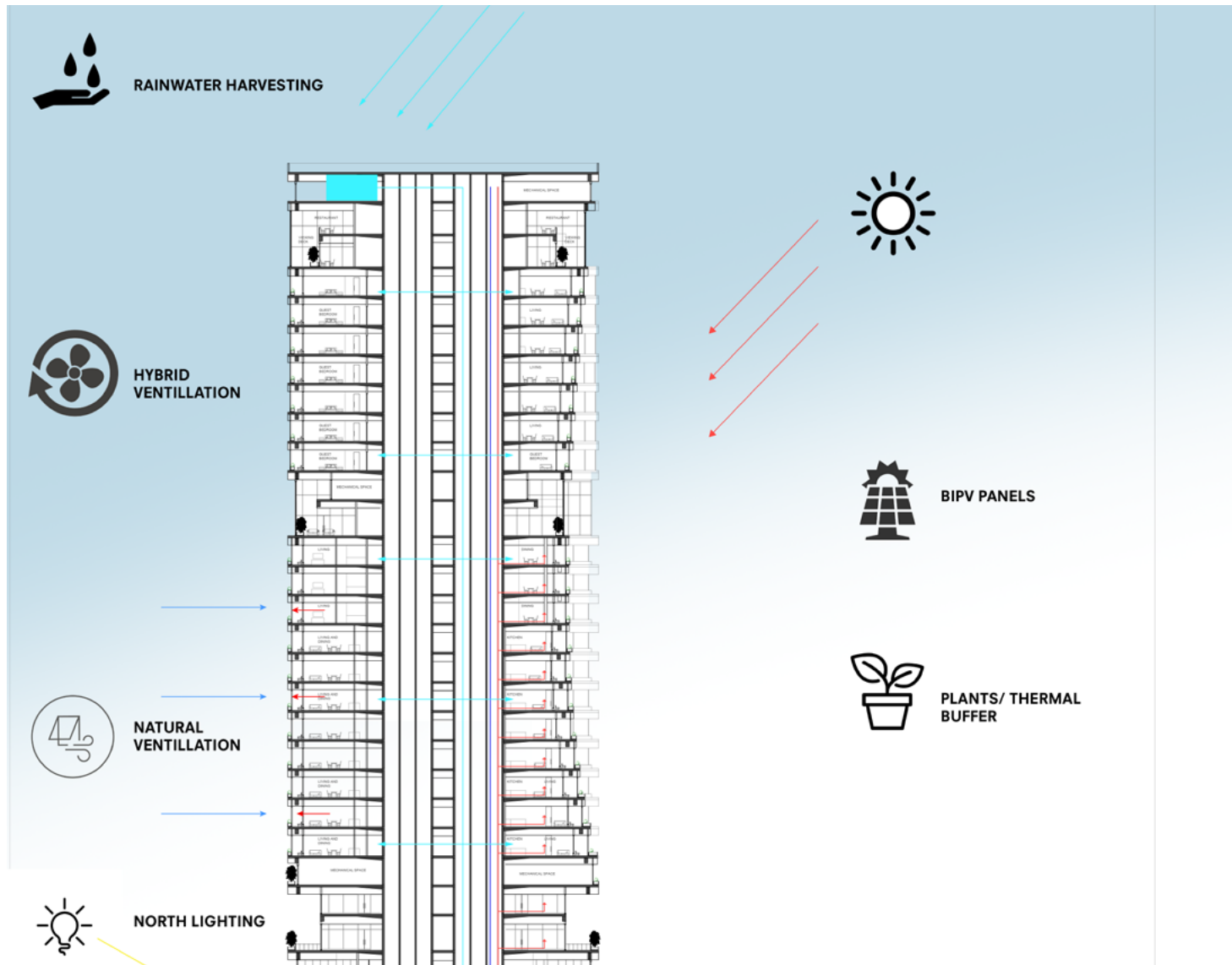
Climate section



Climate



Climate



Development

Facade



South facade with integrated
BIPV panels in brise soleils

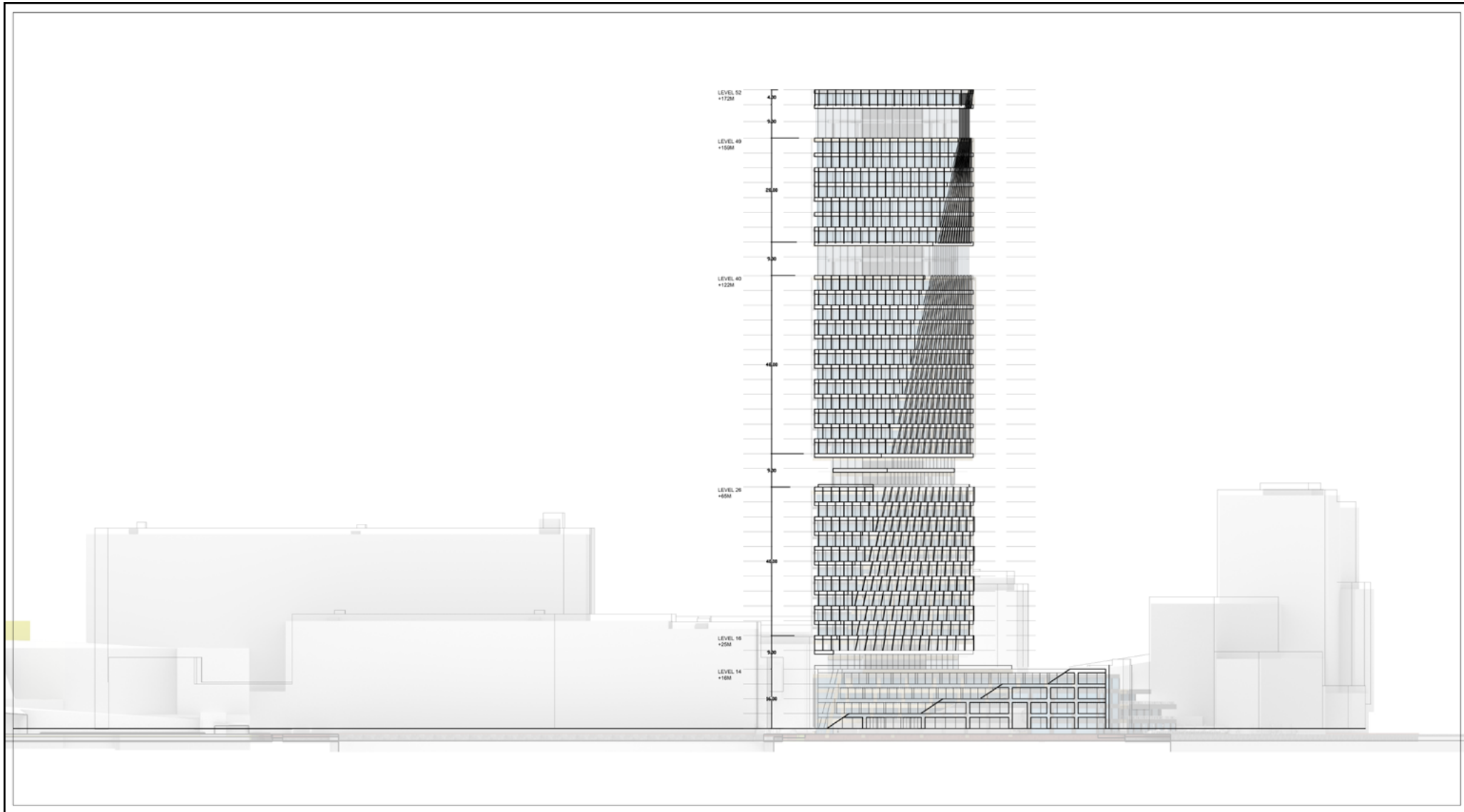
Development

Facade

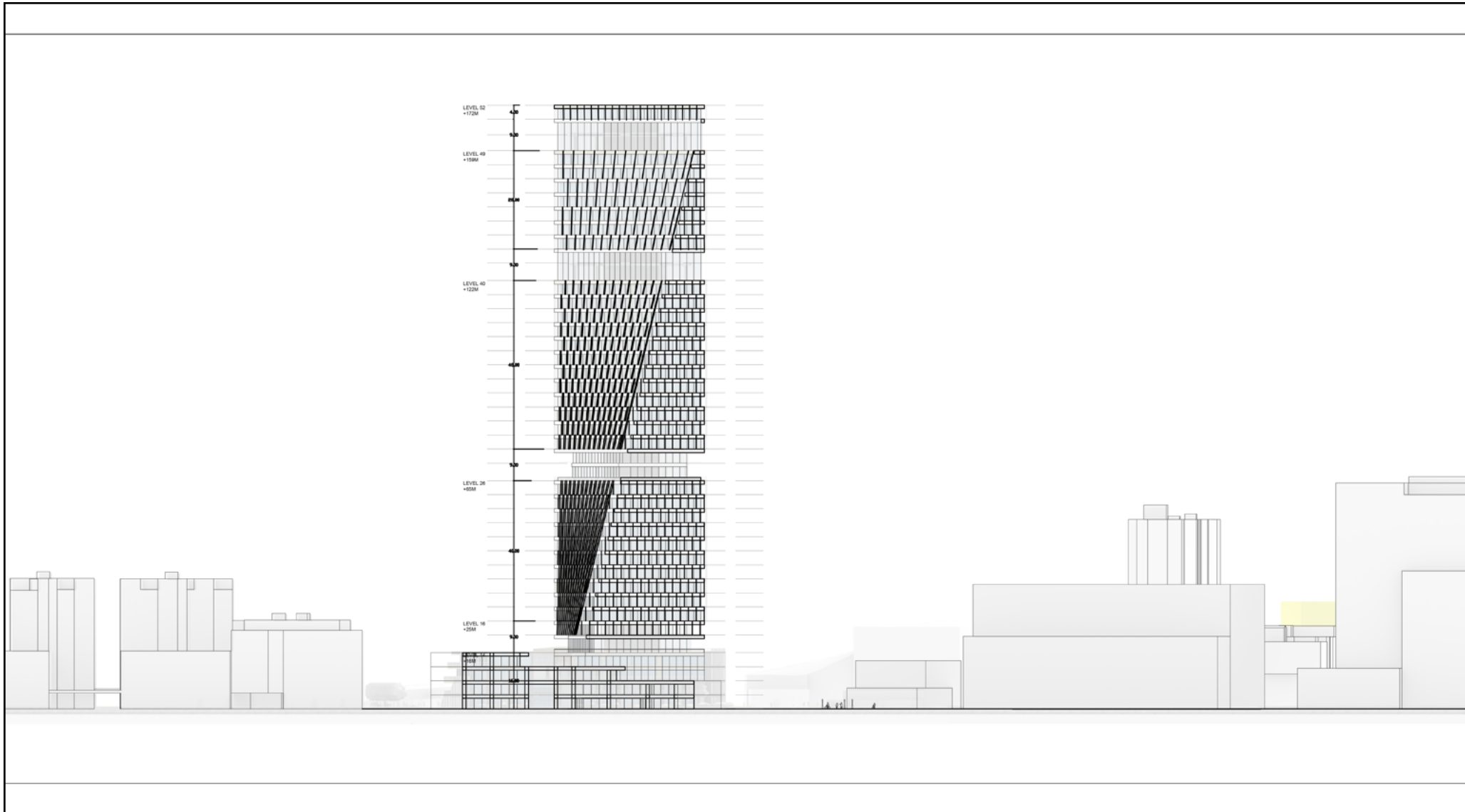


South facade with integrated
BIPV panels in brise soleils

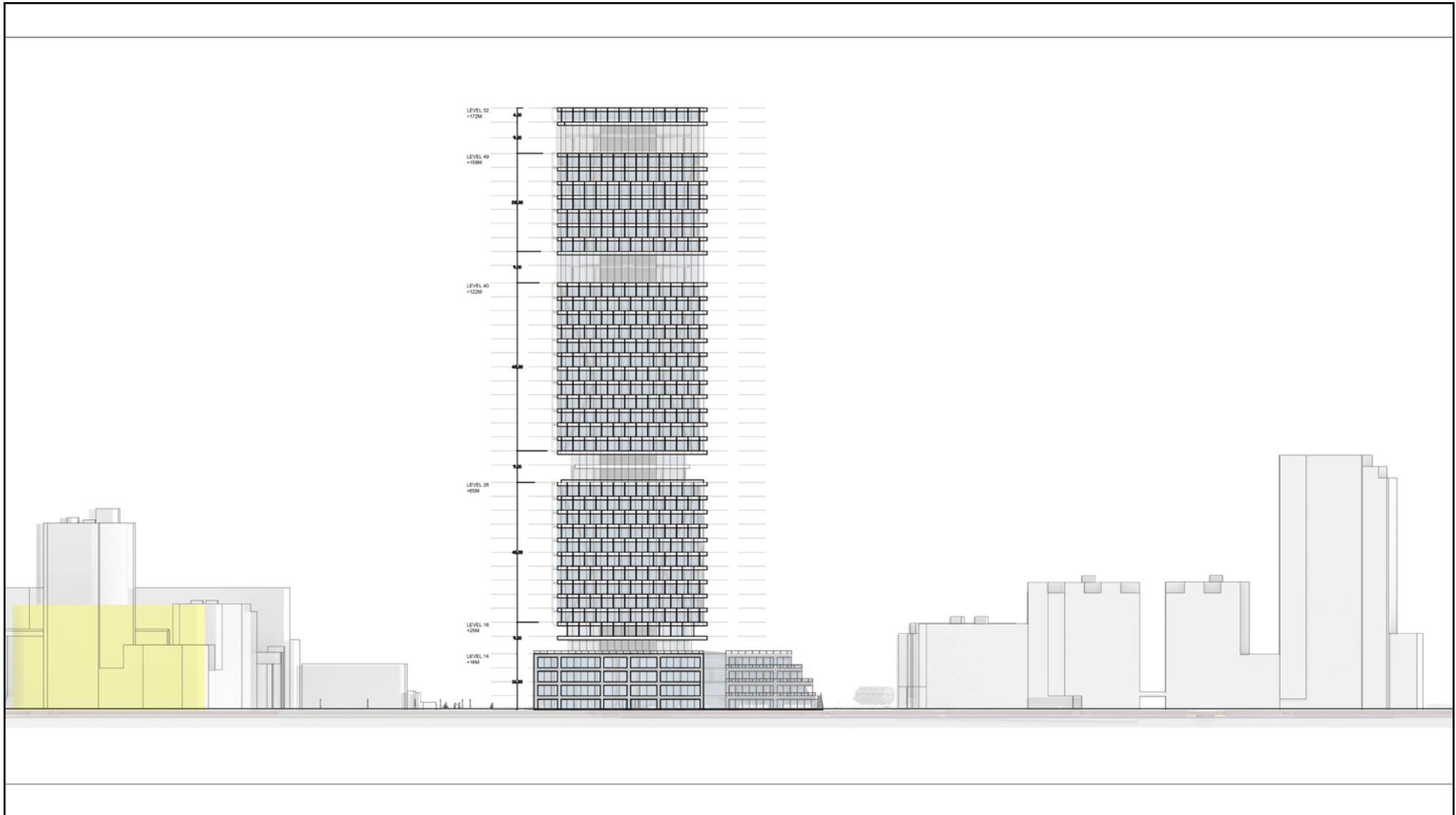
Elevations - West



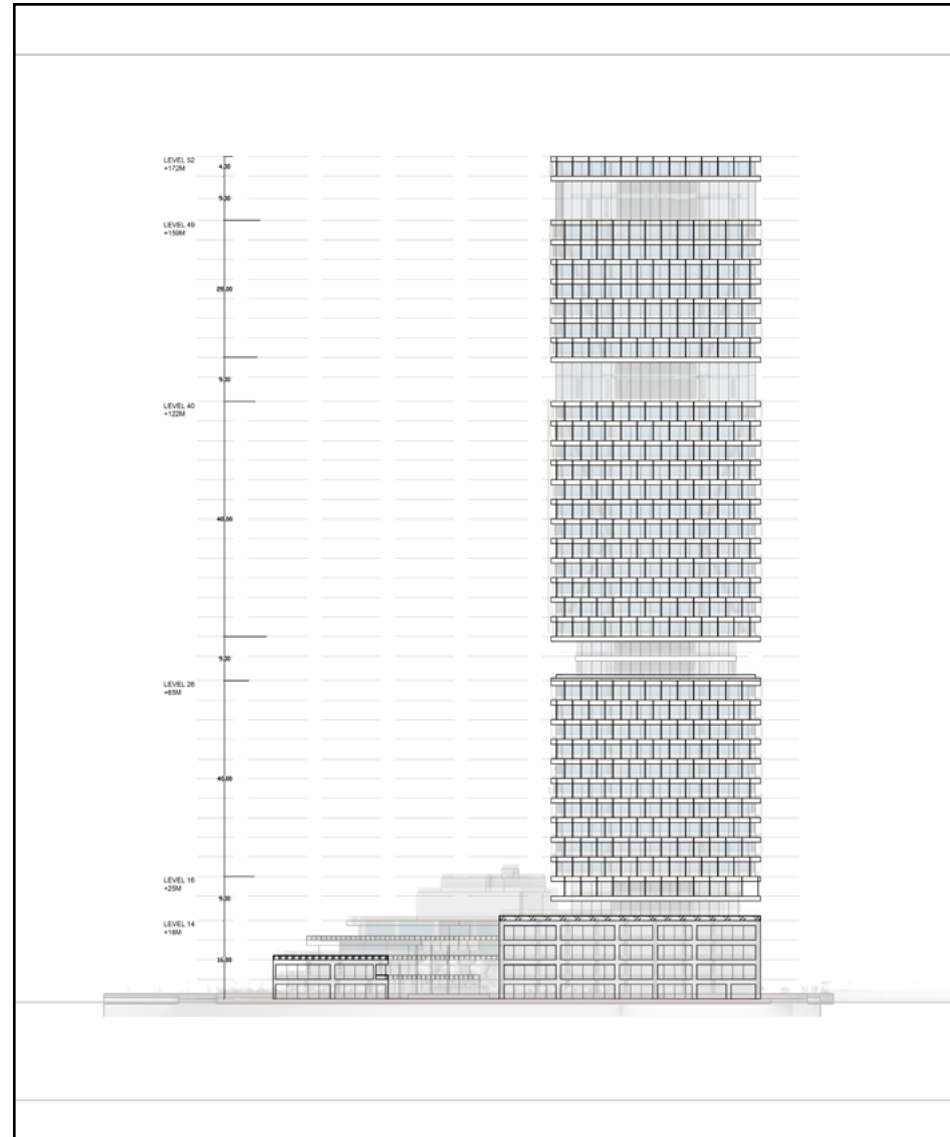
Elevations - South



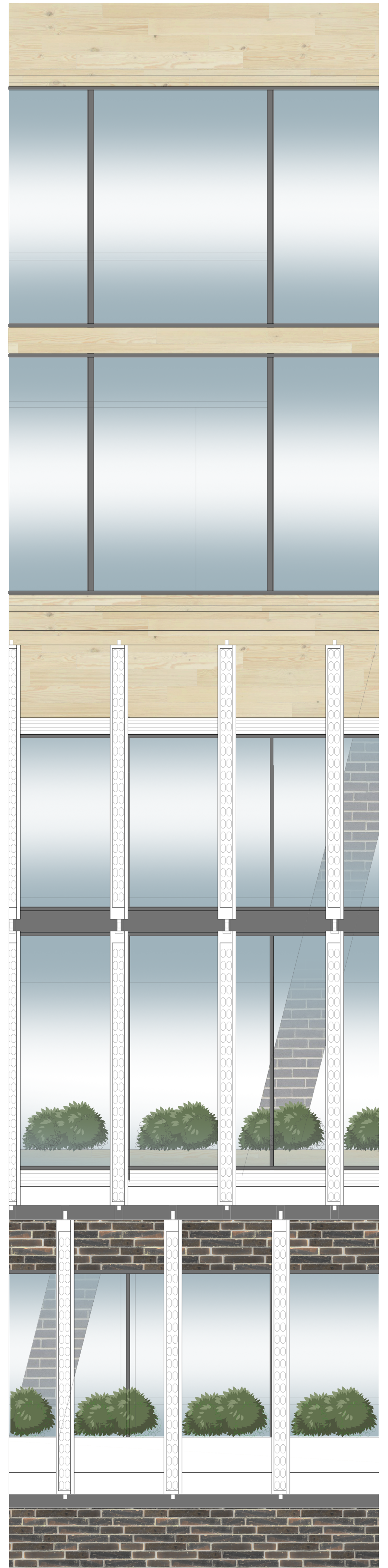
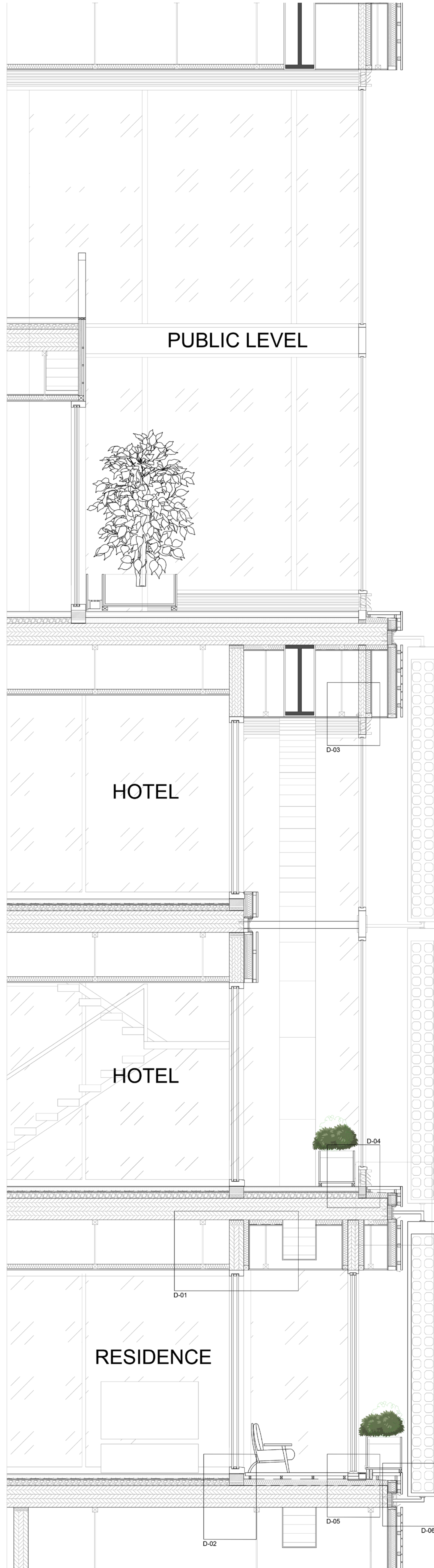
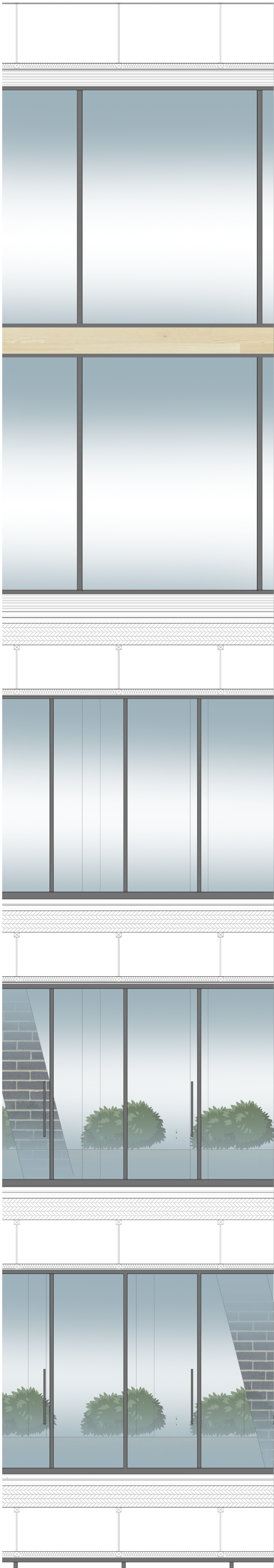
Elevations - North



Elevations - East



Facade 1:20



Development

Elevations - East



Facade materialisation

EXTERIOR WALL

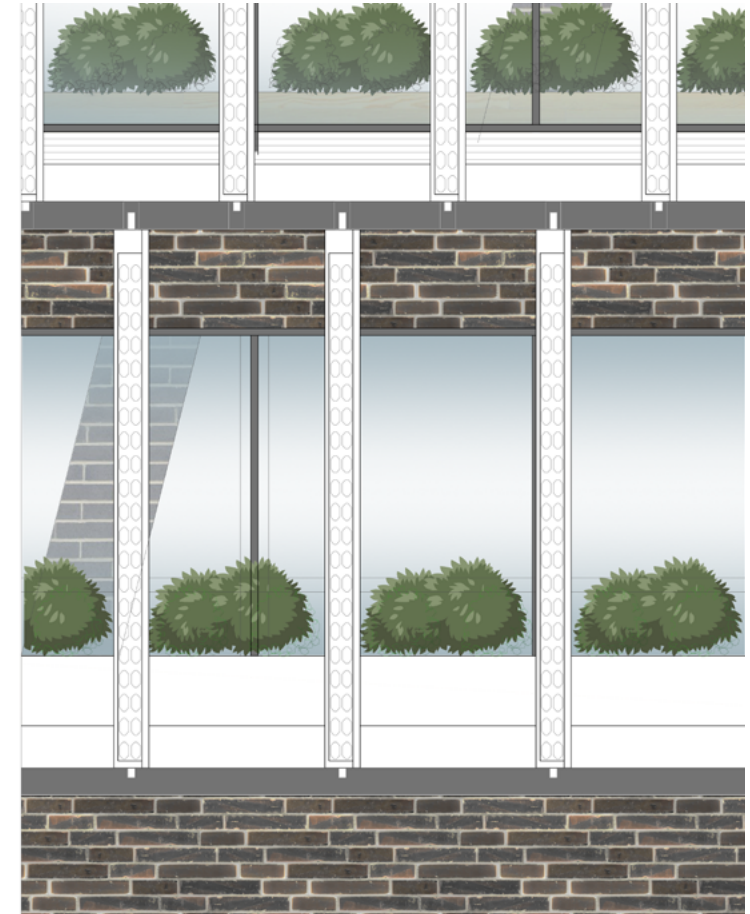
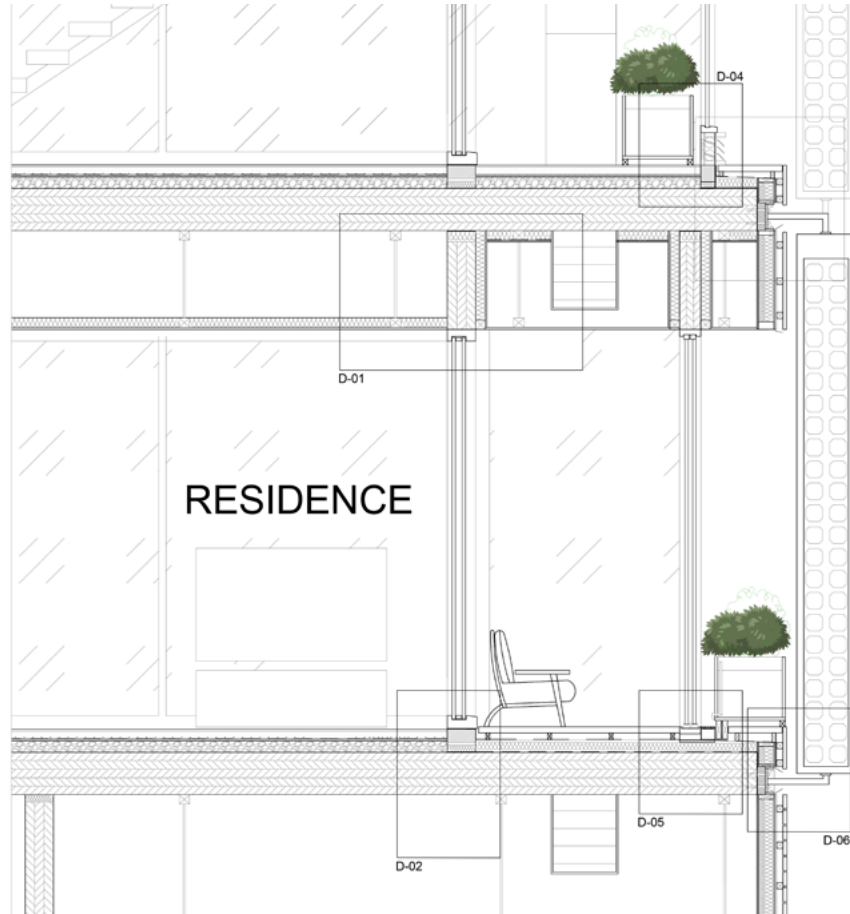
70mm Mineral wool Insulation
Moisture diffusing membrane
Gypsum board

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



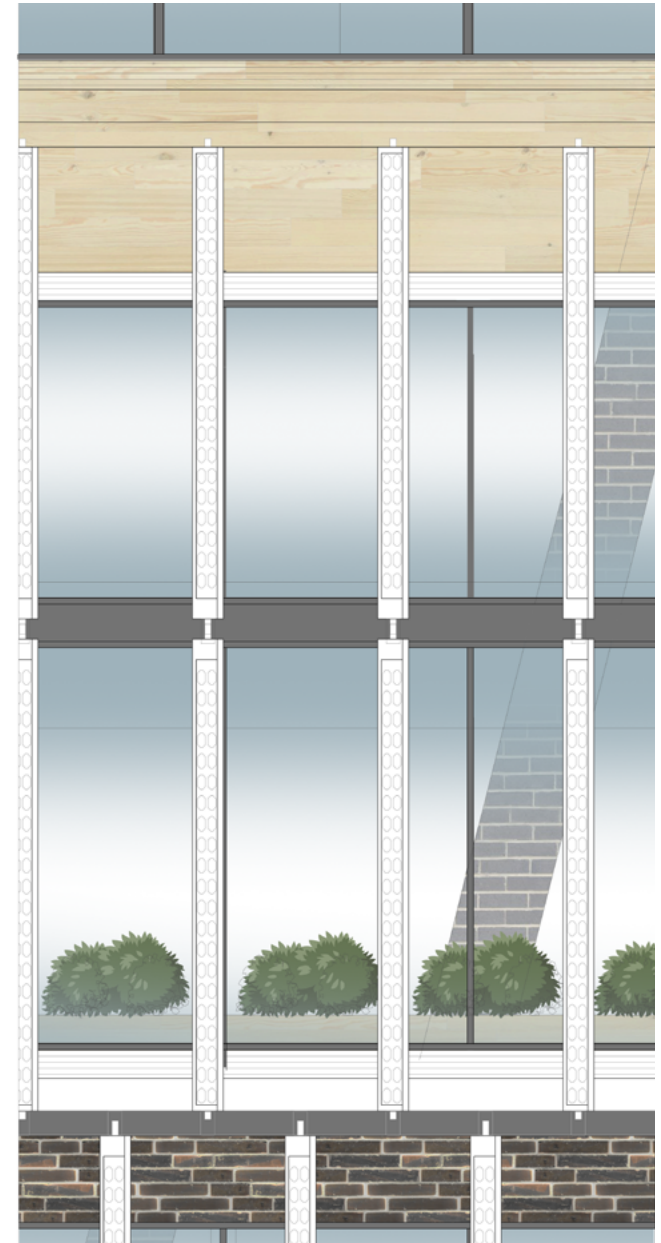
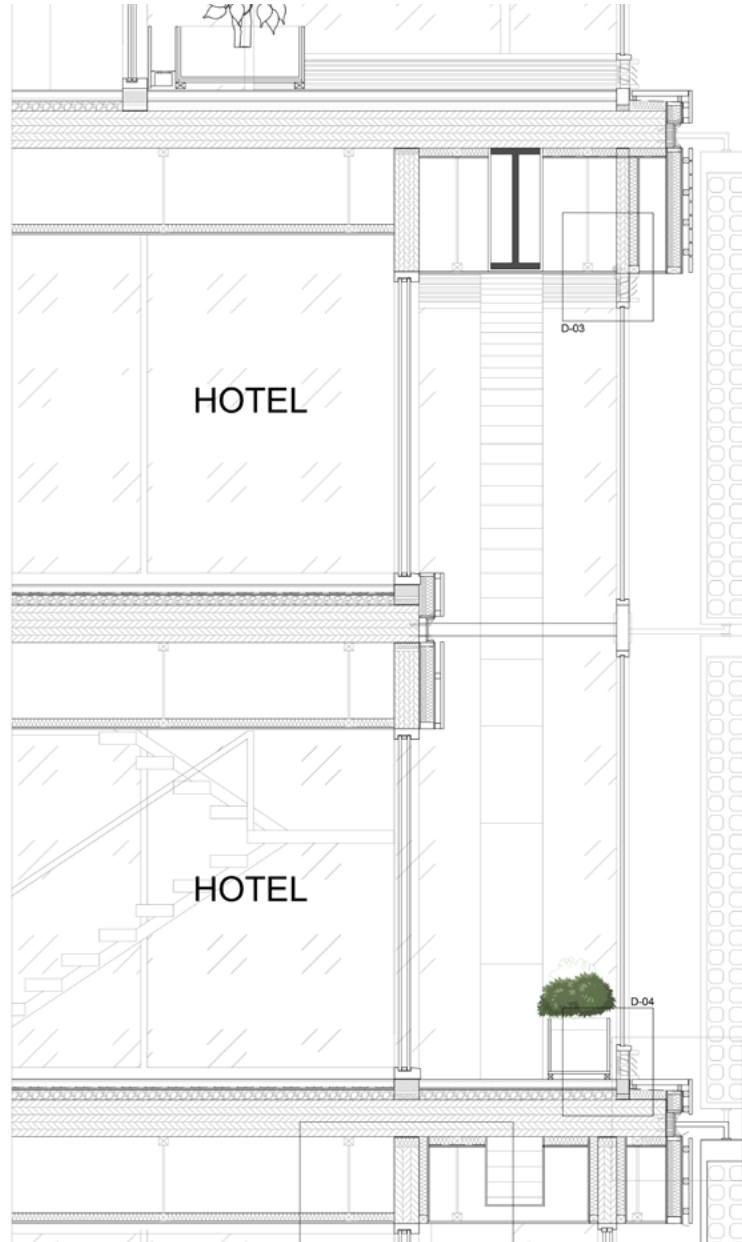
Facade materialisation

Ceiling

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

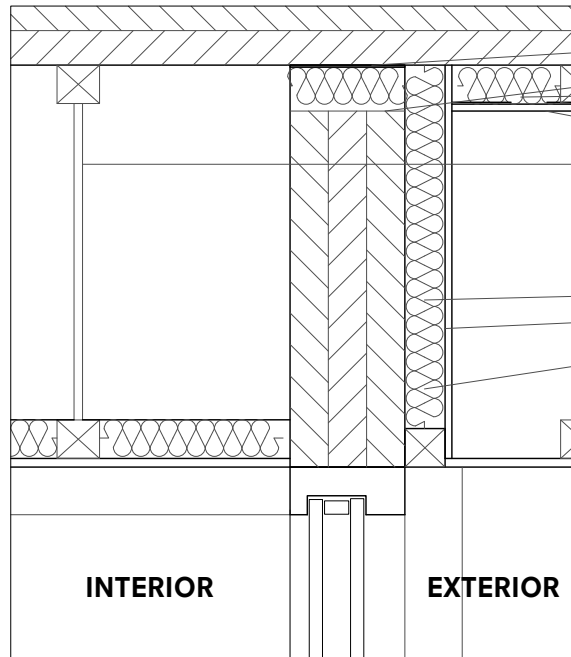
Flooring

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

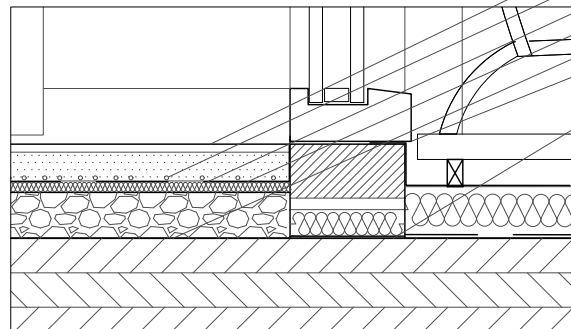
Resilient soundproofing profile
Acoustic matting 20mm
Mineral wool insulation
Moisture diffusing membrane
Gypsum board
Suspended ceiling clip hanger

70mm Mineral wool Insulation
Moisture diffusing membrane
Gypsum board

INTERIOR

EXTERIOR

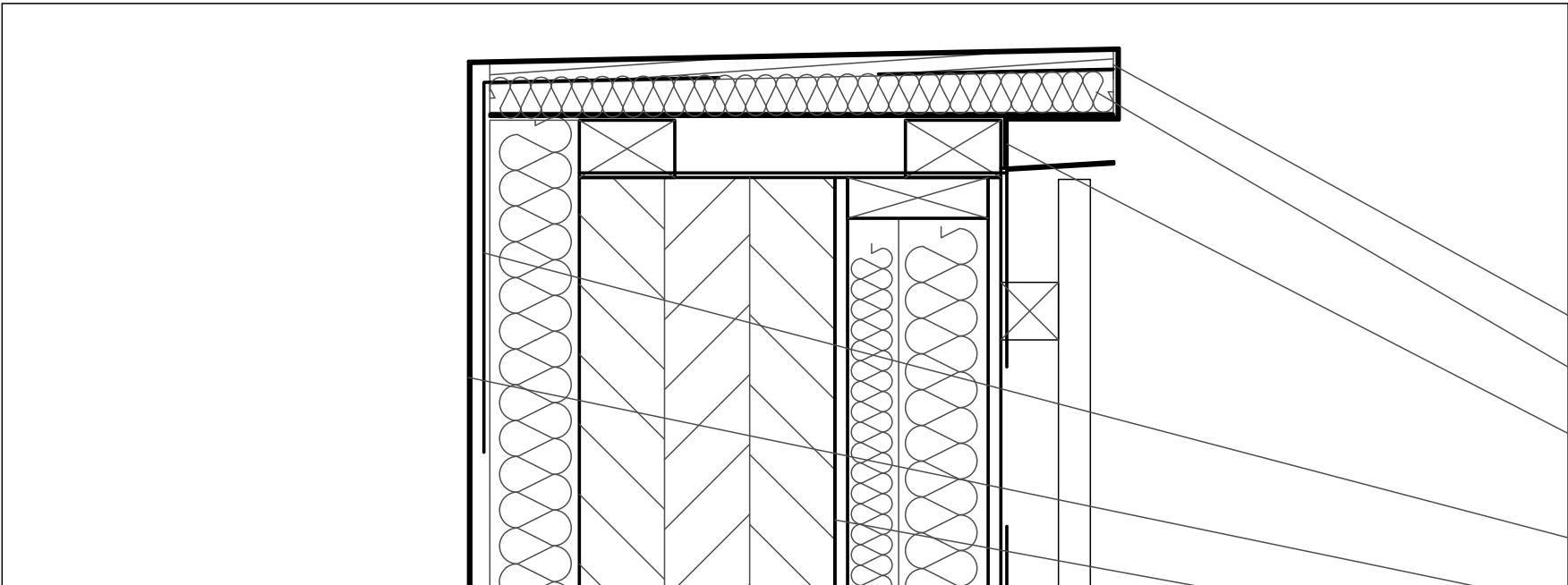
D02



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

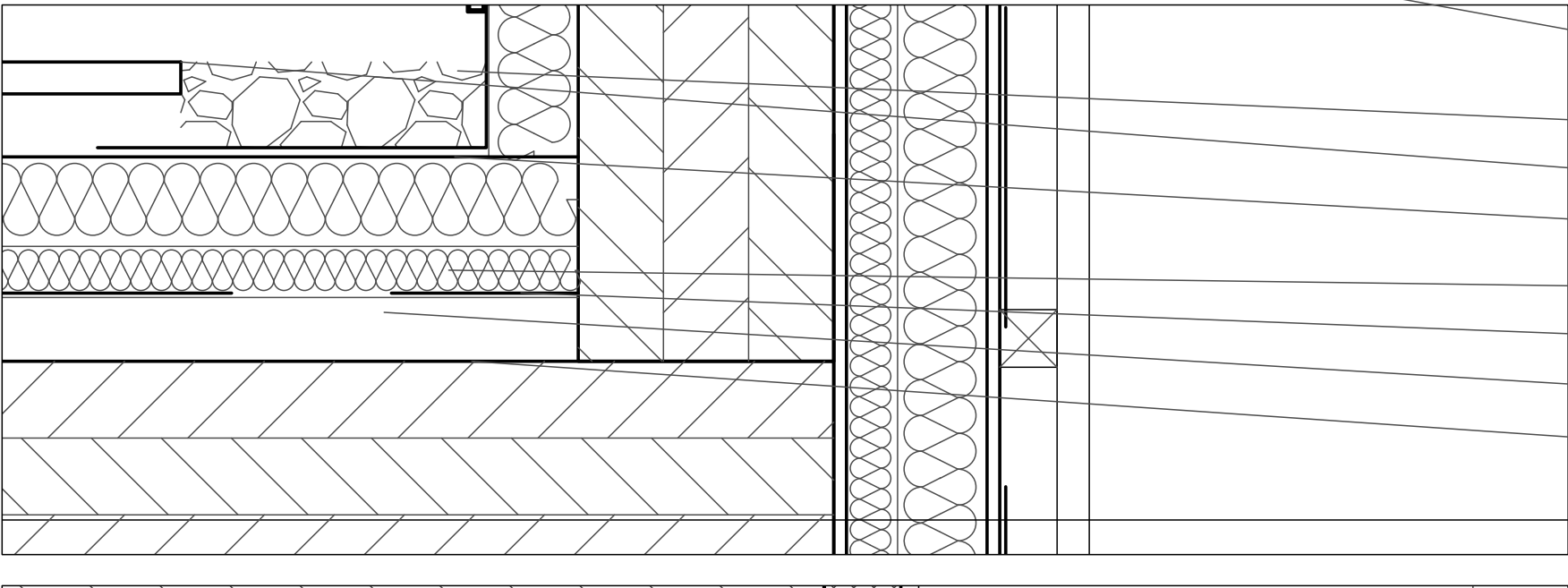
D06



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

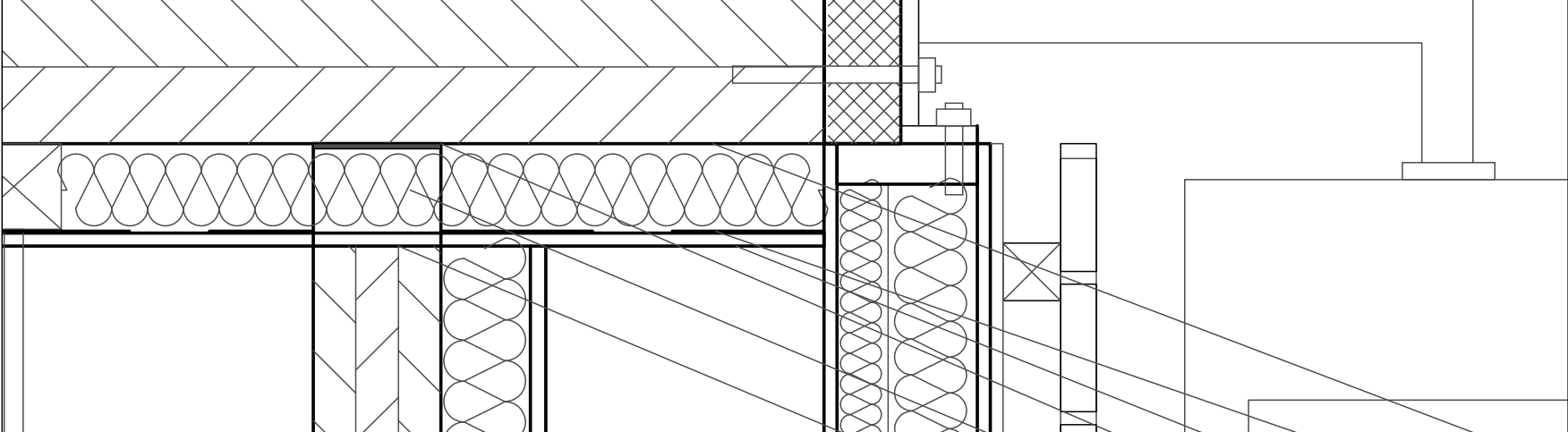
D03



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

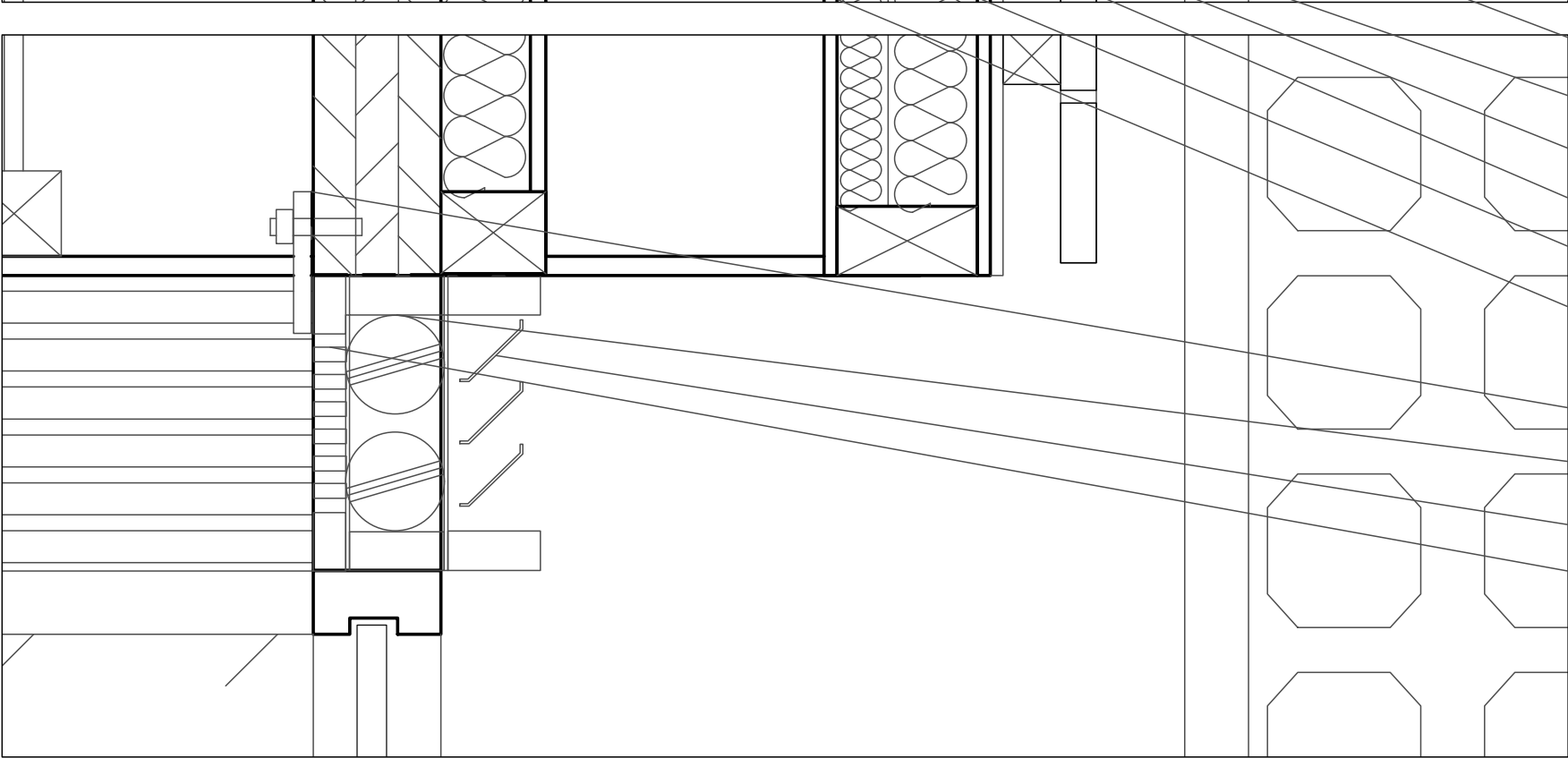
D04



Flooring Exterior

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

D05



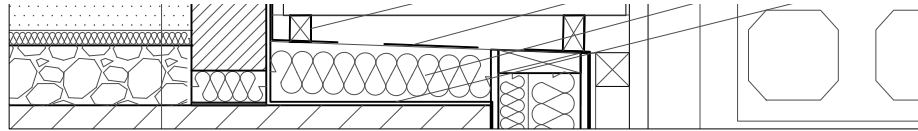
Sliding Door

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

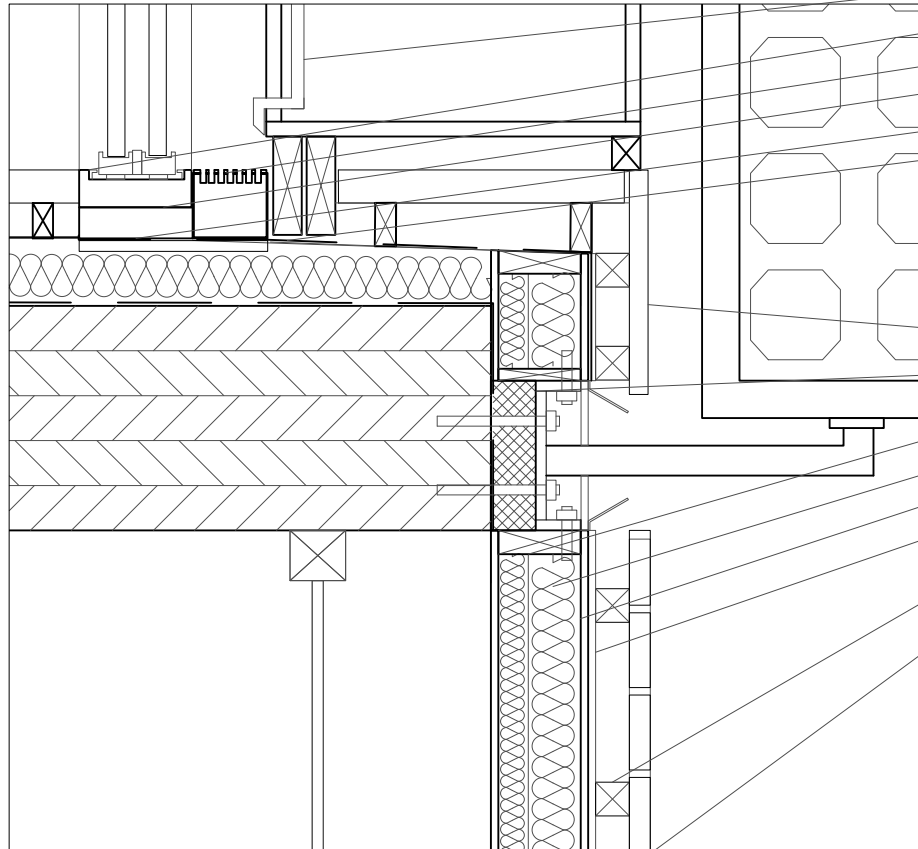
Facade panel

- 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



Sliding Door

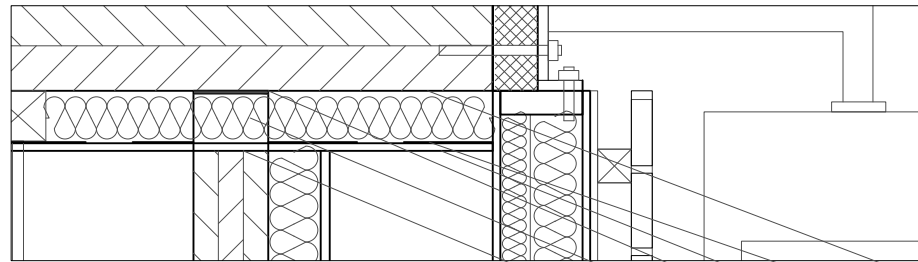


- PVC drain pipe
- Anodized aluminium track
- Threshold Drainage flushed
- Drainage block
- Drainage padding
- EPDM sealant

Facade panel

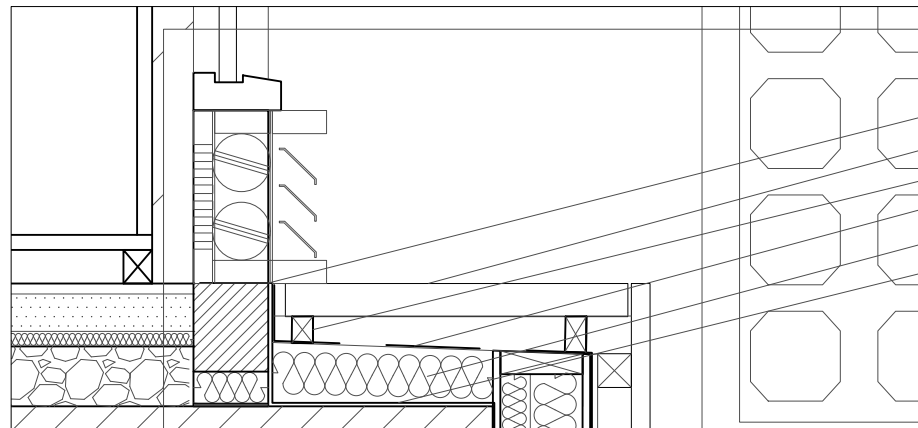
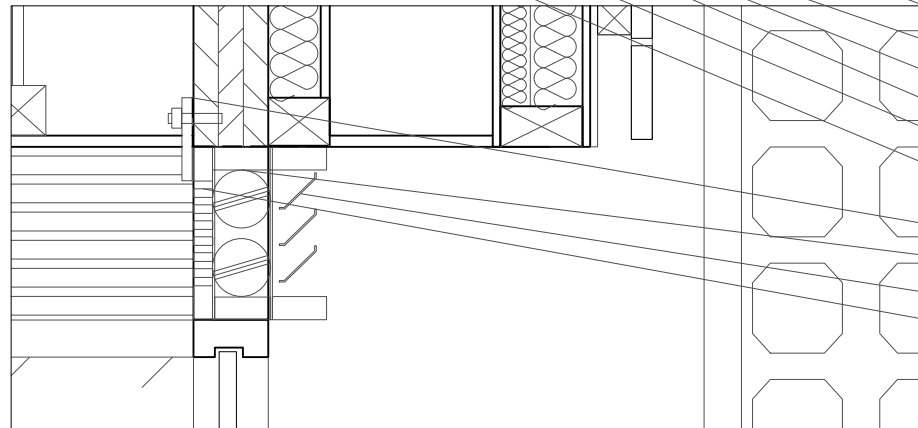
- White Larch rainscreen cladding
- Shadow box cover
- Isokorb thermal bridge
- Acoustic insulation quilt
- Mineral wool insulation 70mm
- Plasterboard panel 12.5mm
- Vapor barrier
- Timber stud 45x45mm
- Thin clay brick external cladding

Details



Exterior Wall and Ceiling

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



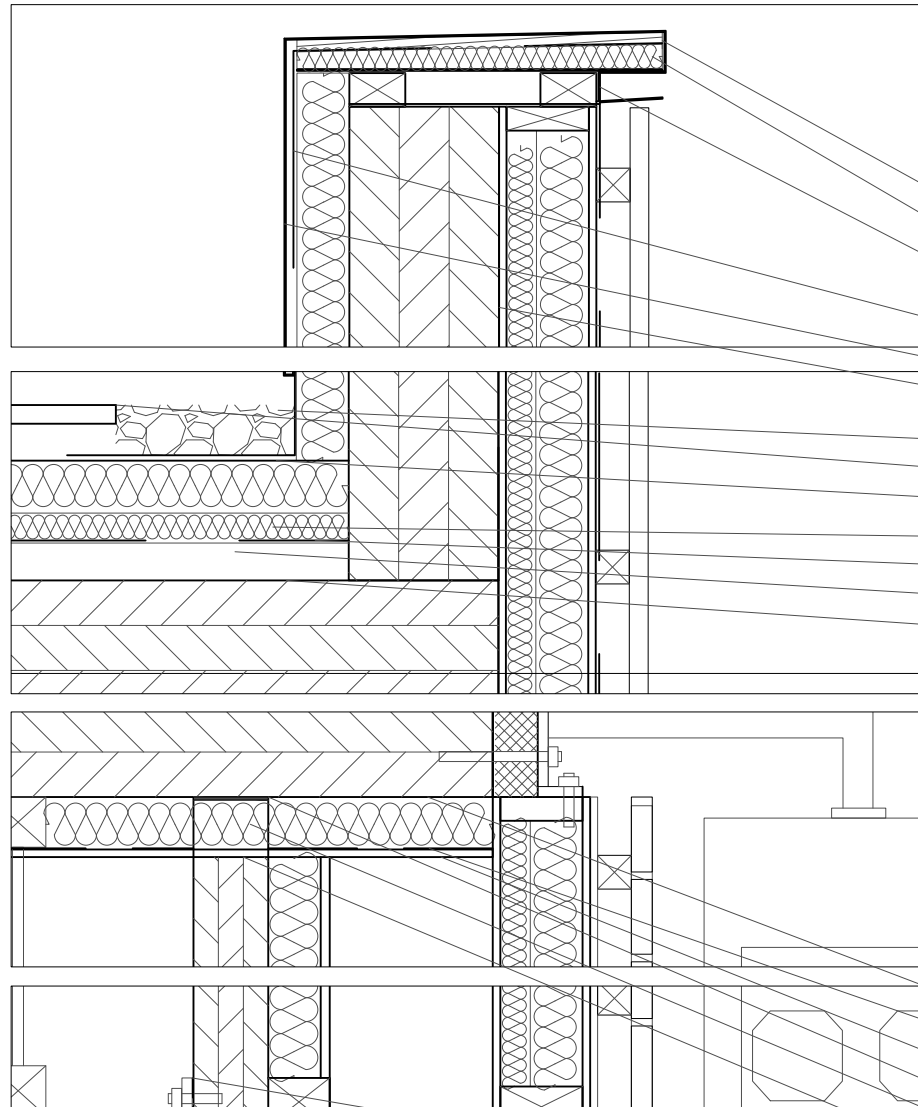
Flooring Exterior

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
connction**

**Relation to Human
scale**

**Sense of
belonging**



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

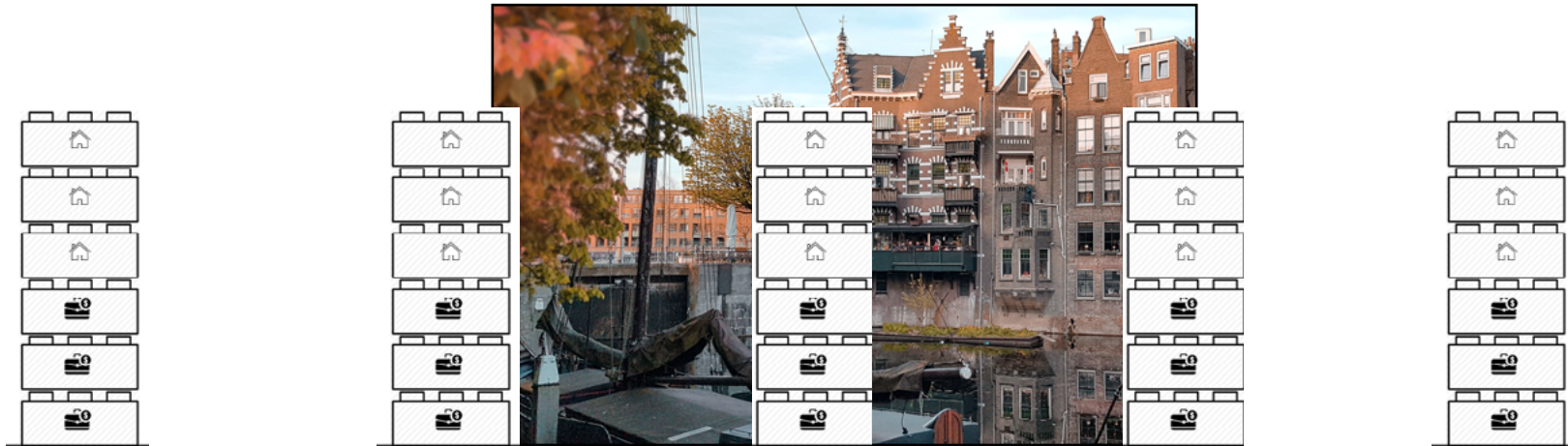
Spatial translation



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

Conclusion

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