



# Expanding universes on shrinking footprints



Fascination



Research



Design



# Fascination

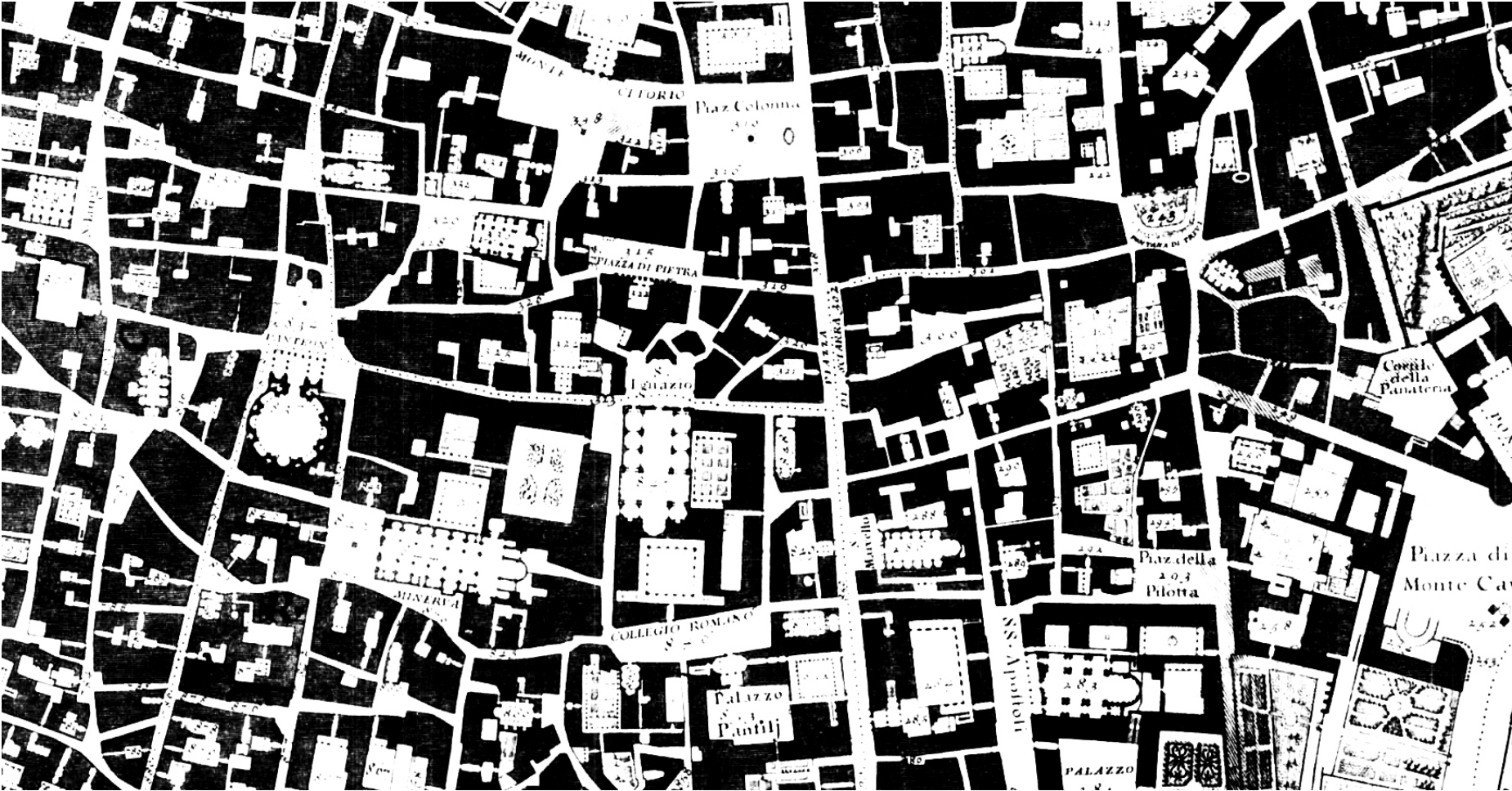
# ILLUSTRATION

## PUBLIC/PRIVATE DENSIFYING CITIES



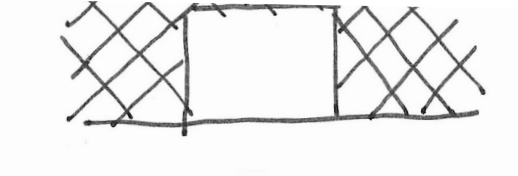
# ILLUSTRATION

## PUBLIC/PRIVATE (TWIN-PHENOMENA)

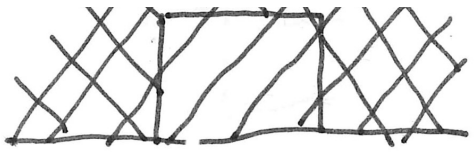
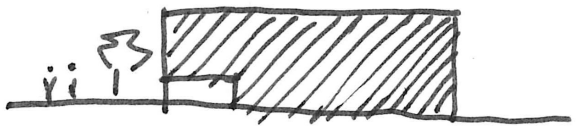
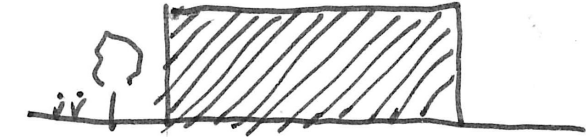


# THEME

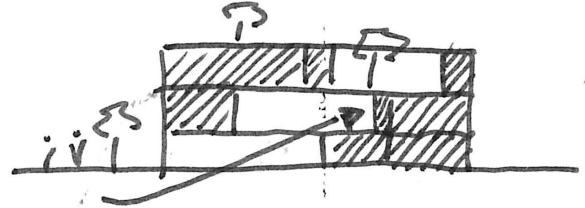
## EXPANDING UNIVERSES ON SHRINKING FOOTPRINTS



REGULAR PUBLIC SPACE

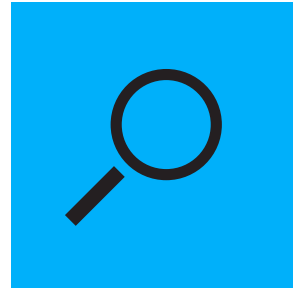


EXTENDED PUBLIC SPACE



abstract

example



# Research

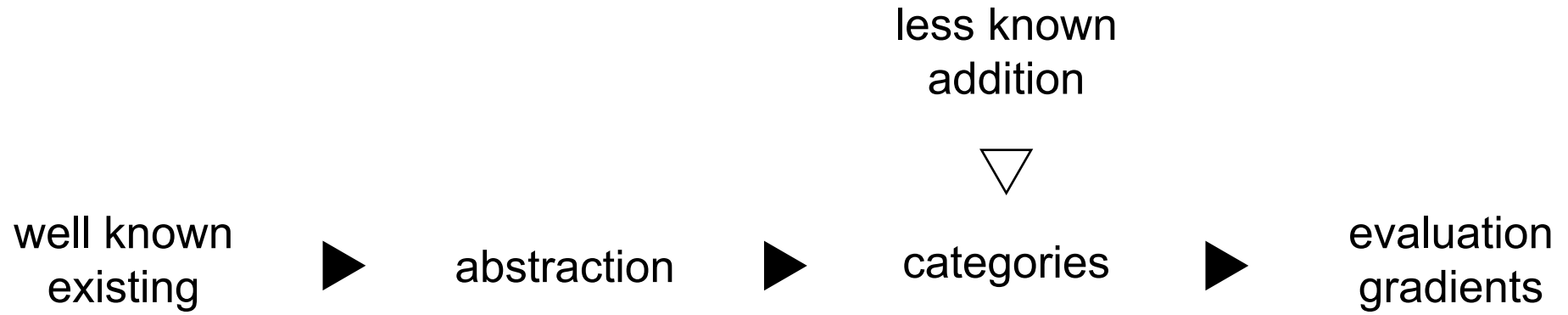


**What are architectural tools that create the transfer between public and private?**



# RESEARCH METHOD

## OVERVIEW



|| ACRREx

parallels with ACRREx 'Teaching Creativity in Mechanical Design' | Breedvel P. / Herder J.L. / Tomizama T.  
Abstracting, Categorizing, Reflecting, Reformulating and Extending

# RESEARCH METHOD

## ABSTRACTING

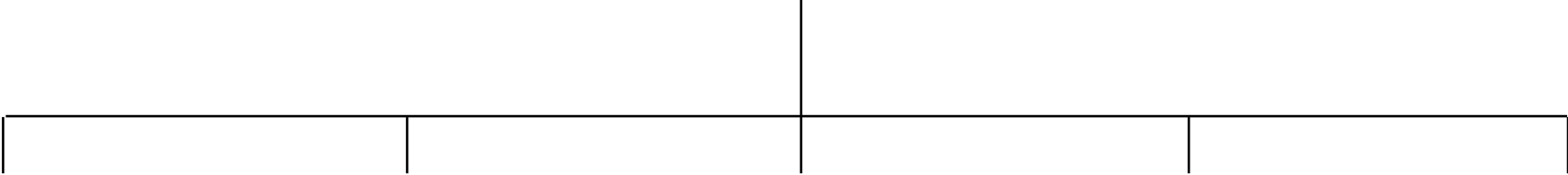


# RESEARCH

## MAIN CATEGORIES



main categories



Distance

Dwelling Function

Dwelling Enclosure

Urban Layout

Facade Enclosure

How far am I from the window?

What space is behind the window?

Can I see through the dwelling?

Is the urban space public?  
(before the window)

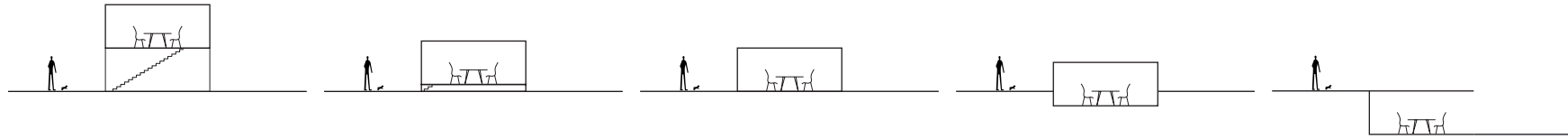
How flowing is the transition?

# TOOLBOX

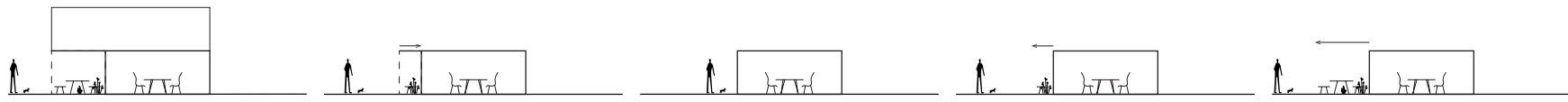
## ALL CATEGORIES



VERTICAL  
DISTANCE



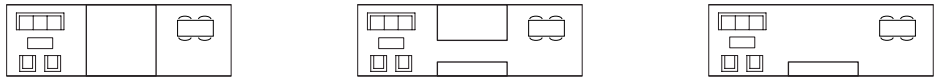
HORIZONTAL  
DISTANCE



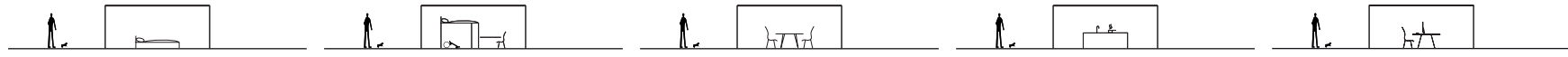
FACADE  
ENCLOSURE



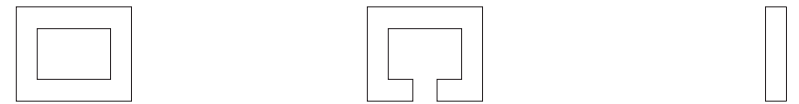
DWELLING  
ENCLOSURE



DWELLING  
FUNCTION



URBAN  
LAYOUT

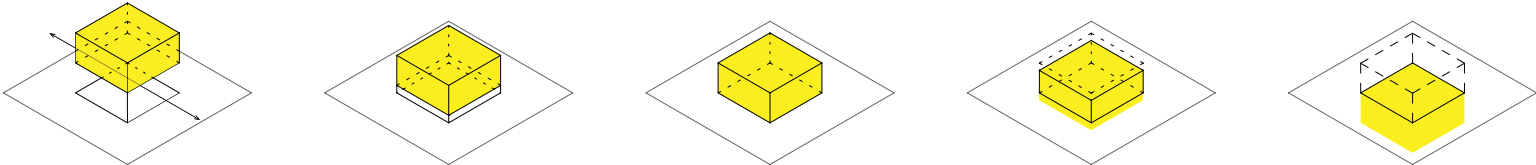


# TOOLBOX

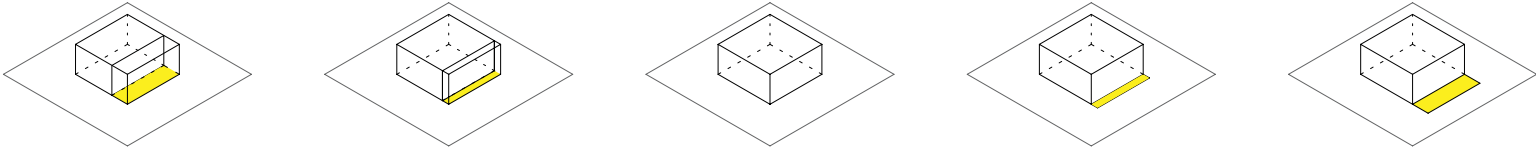
## ALL CATEGORIES



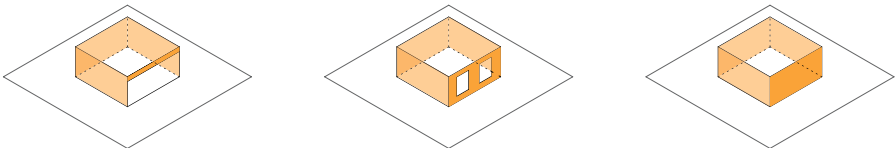
VERTICAL  
DISTANCE



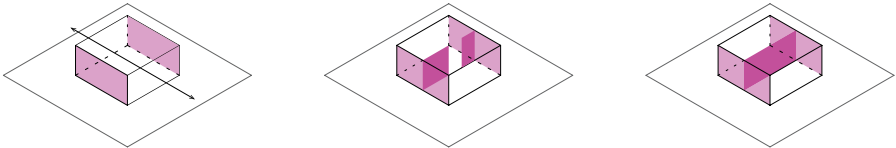
HORIZONTAL  
DISTANCE



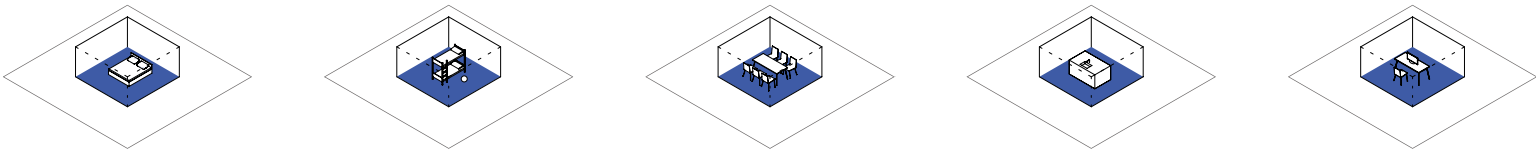
FACADE  
ENCLOSURE



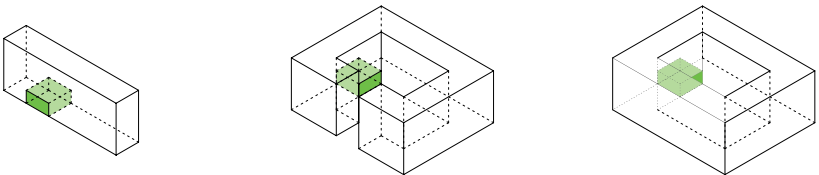
DWELLING  
ENCLOSURE



DWELLING  
FUNCTION



URBAN  
LAYOUT





# Design

# DESIGN GOALS

## DESIRED QUALITIES



<b>Urban strategy</b>	<b>design site-specific &amp; in harmony with Amsterdams' future plans</b>
<b>Building</b>	<b>expand universe / densify inner city on small footprint   implement my research   diversity in unity   attractive building-method   freedom of choice</b>
<b>Dwelling</b>	<b>transition between public and private adaptable for future lifesituation   freedom of choice</b>
<b>Detail</b>	<b>transition between public and private adaptable for future lifesituations</b>

# AMSTERDAM

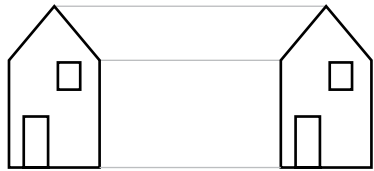
## OVERVIEW



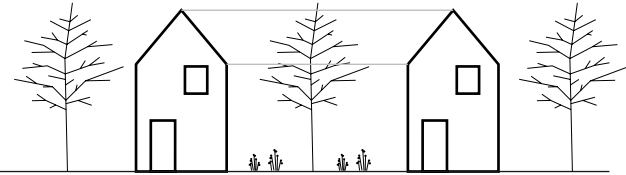


# AMSTERDAM INNER CITY

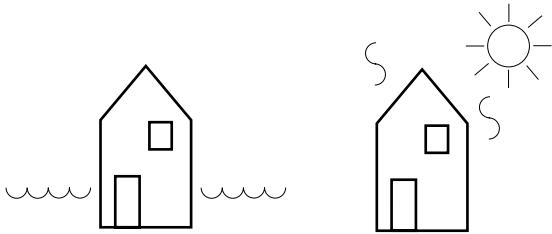
## CURRENT SITUATION VS FUTURE



urban block

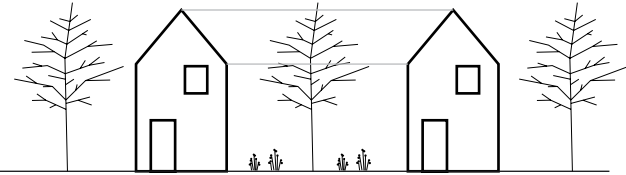


healthy urban block

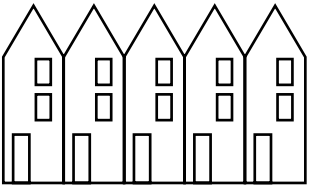
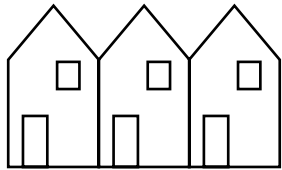
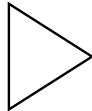


flood risk

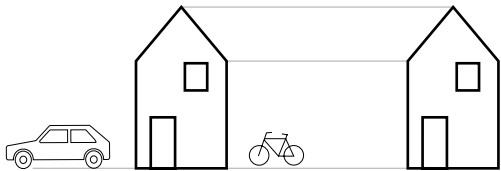
urban heat



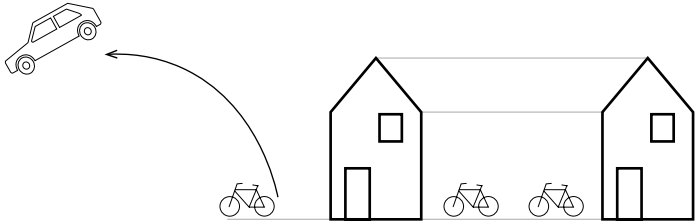
rain & heat buffer



densification



car-presence



push out car



**Where would Amsterdam need  
a public space upgrade?**

# GREEN LOOP

## URBAN STUDY



# GREEN LOOP

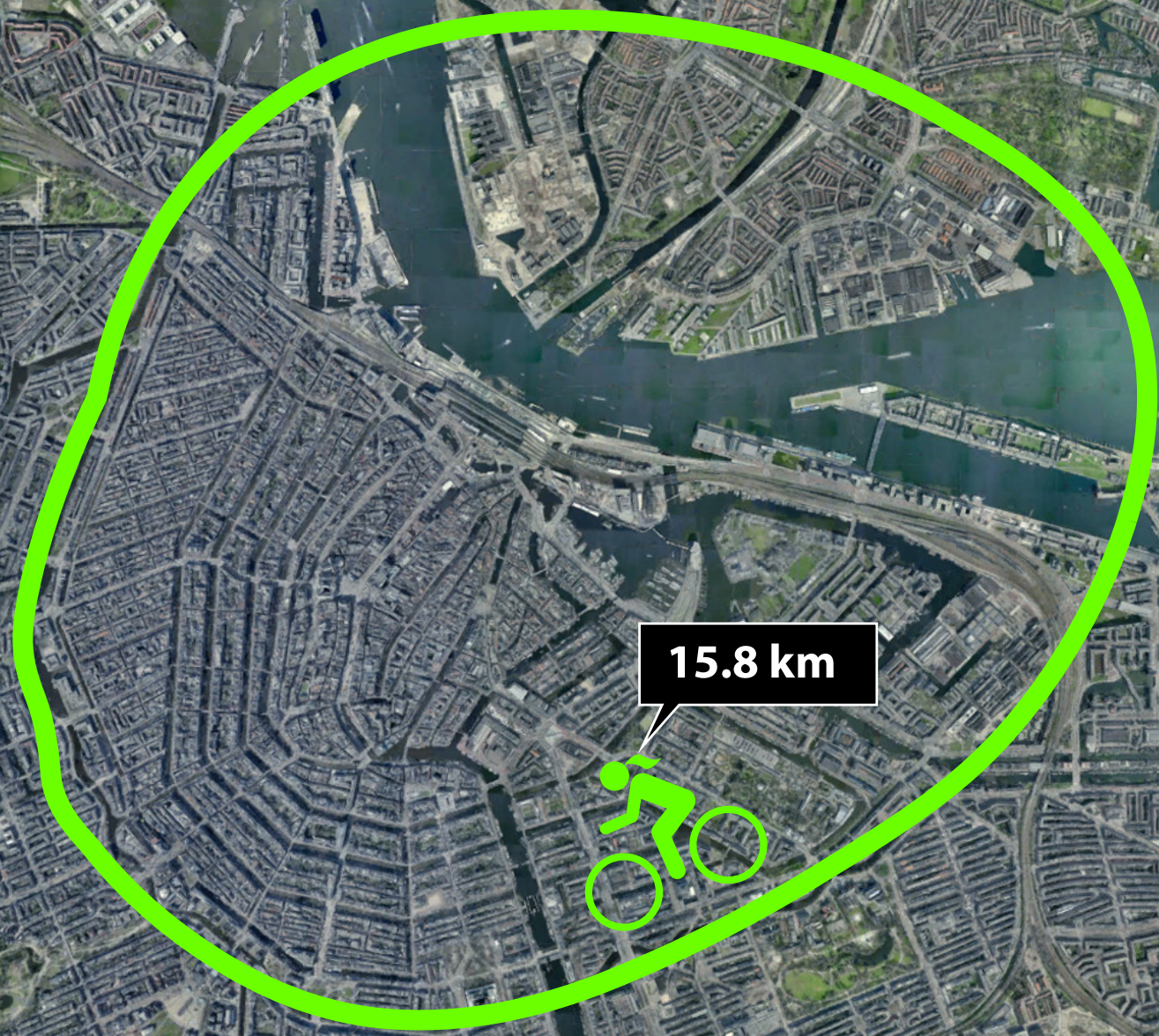
## AMSTERDAM



5919 ft

# GREEN LOOP

BIKE



15.8 km

5919 ft

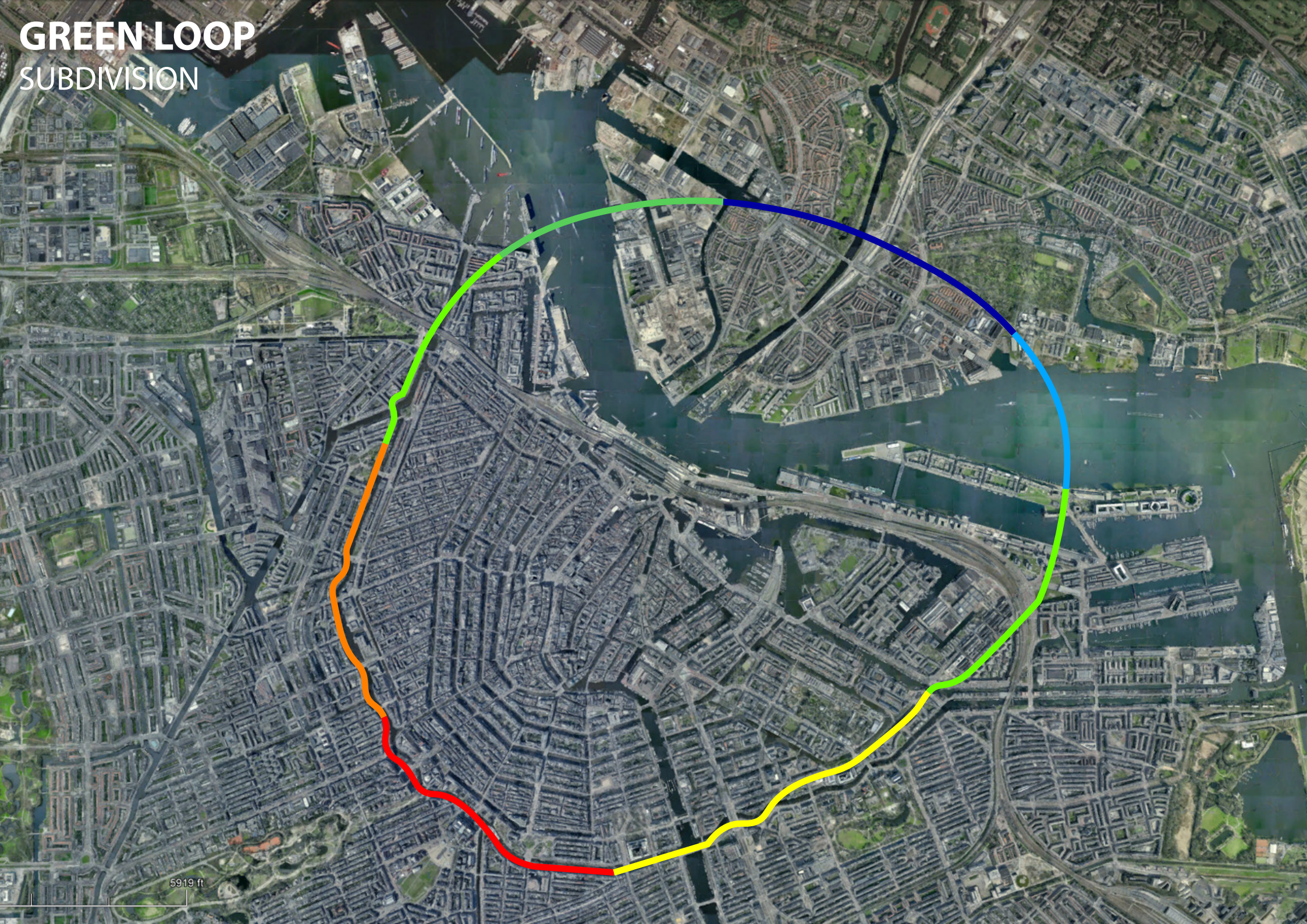
# GREEN LOOP

ONE BIG PARK

ONE BIG PARK



# GREEN LOOP SUBDIVISION



5919 ft

# GREEN LOOP

## PARK THEMES



5919 ft



# GREEN LOOP

SHAPE WITH MINIMAL REDEVELOPMENTS



5919 ft

# GREEN LOOP

## BENEFITS

### LEISURE

it is one of the key reasons for people to go to parks in a city. It is connected to socializing and relaxation and improves well-being. A good city has to provide leisure places spread around and in reachable distances for its citizens.

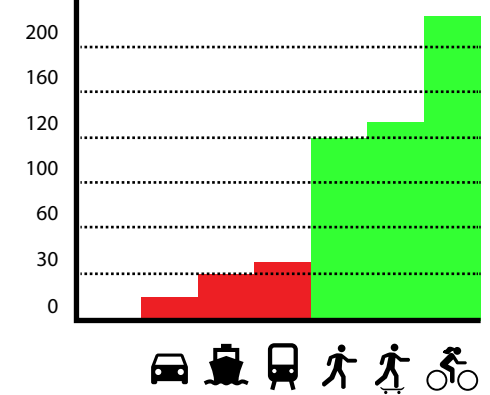


### SPORT & HEALTH

Sport and health are two closely related fields. A city has to offer safe environment - indoors as well as outdoors - for its citizens to do sport and animate them to live a healthy lifestyle.



KM TRAVELLED PER KG CO2



### CO2 - INNER CITY TRANSPORT

The goal of progressive cities and citizens, is the reduction of CO2 emissions. This promotes not only transport by public transport, but an active way of moving. In this sense, the bicycle is once again the forerunner.



### LEISURE

it is one of the key reasons for people to go to parks in a city. It is connected to socializing and relaxation and improves well-being. A good city has to provide leisure places spread around and in reachable distances for its citizens.



### GREENERY

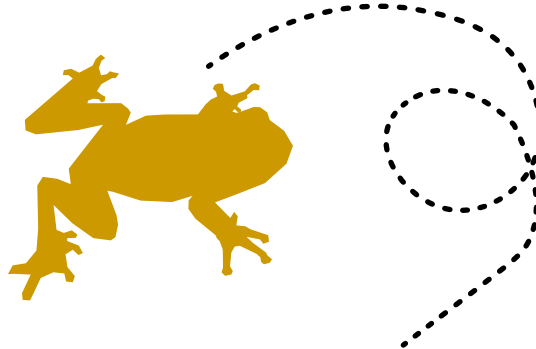
Nature is an important part of our life. Not only that plants produce the oxygen we breath, but also being visually connected to nature on a workplace increase productivity.

### HEAT AND RAINBUFFER

Greenery also improves the climate within the city. If city greenery covers a sufficient amount of sqm it significantly reduces urban heat and acts as rainbuffer

### MIGRATION

Animal migration in the built environment is only limited within parks and optional biocorridors. The danger of traffic does not allow certain species to migrate. This has a direct impact on biodiversity.



### MOBILITY

The goal of progressive cities and citizens, is the reduction of CO2 emissions. This promotes not only transport by public transport, but an active way of moving. In this sense, the bicycle is once again the forerunner.

# GREEN LOOP


## TODAYS FACTS



NOS Nieuws Sport Uitzendingen TELEBRIST AEX 15 km 9°

### Amsterdam zet plannen voor fietsbrug over het IJ door

© 15-06-2017, 12:01 BINNENLAND



De kop van Java-eiland met rechts het Hamerstraatgebied in Amsterdam-Noord. Op de station te zien (archief) ANP

De minister is tegen, Rijkswaterstaat is kritisch en ook scheepvaartse provincie zijn er niet blij mee, maar dat houdt de gemeente Amsterdam niet tegen. Als het aan het college ligt, komt de fiets- en voetgangersbrug over het IJ er gewoon.

In januari presenteerde de gemeente plannen om de verbindingen over het IJ te verbeteren. Fietsers en voetgangers moeten nu met de veerpont oversteken, maar daar wordt het steeds drukker.

### Amsterdam bouwt parkeergarage onder de gracht

9 Mei, 2017

Gemeente Amsterdam bouwt een nieuwe parkeergarage onder de Boerenweteringsgracht in de Oude Pijp. Na de bouw van de garage worden maximaal 273 parkeerplaatsen op straat opgeheven. Meer ruimte dus voor groen, voetgangers en fietsers.

Zo wordt de parkeeroverlast in de Oude Pijp vermindert én krijgt de openbare ruimte in de Frans Halsbuurt de broodnodige kwaliteitsimpuls. De ondergrondse garage wordt naar verwachting begin 2018 in gebruik genomen.



© 2017 HollandLuchtfoto

Gemeente Amsterdam English

Onderwerpen Actueel Contact

Home > Bestuur & Organisatie > College van burgemeester en wethouders > Pieter Litjens > Persberichten Pieter Litjens

### Sarphatistraat succesvol als fietsstraat

In het kort  
Het aanpassen van de Sarphatistraat naar een straat die primair bedoeld is voor fietsers en waar auto's te gast zijn, is succesvol.



Het aanpassen van de Sarphatistraat naar een straat die primair is voor fietsers en waar auto's te gast zijn, is succesvol. Dat is het resultaat van de pilot die de gemeente Amsterdam de afgelopen maanden heeft uitgevoerd. De doorstroming voor fietsers is flink verbeterd, zonder dat het autoverkeer vastloopt.

De meerderheid van de bewoners, ondernemers en verkeersdeelnemers op Sarphatistraat geeft aan (zeer) tevreden te zijn met de aanpassingen die op 1 oktober door de wethouder Litjens (Verkeer en Vervoer) zijn ingevoerd. Voor de meest ondervraagde voetgangers maakt de nieuwe inrichting echter geen verschil op het veiligheidsgevoel: 61% vindt dat. Daarnaast is bijna een derde van de ondervraagden van mening dat het veiliger is. Negenendertig procent van de bewoners en ondernemers voelt zich veiliger hoevel een bijna even groot deel aan de nieuwe inrichting geen verschil maakt voor het veiligheidsgevoel. Een derde van de ondervraagden voelt zich onveilig.

De Sarphatistraat is een van de belangrijkste straten van de hoofdstad. Onderzoek blijkt dat er veel meer fietsers dan auto's gebruik van maken. Door deze straat aan te passen aan hen, is er een veiligere doorgang voor fietsers. Auto's kunnen nog steeds door de Sarphatistraat, maar maximaal 30 km/u rijden en delen de weg met fietsers. De aanpassingen hebben geen gevolgen voor het Openbaar Vervoer (OV) en taxi's: die kunnen gewoon blijven maken van de trambaan.


Wethouder Litjens is tevreden over de resultaten van de pilot: "In dit gebied wordt er veel meer fietsers dan auto's gebruik van deze straat. Dit is het logische gevolg van de aanpassingen. Dat komt de doorstroming ten goede en de maatregelen die we kunnen nemen om de flinke groei van het autoverkeer in Amsterdam op te vangen."

Meer fietsstraten

### UNStudio Envisions New Transportation Hub and Development in Amsterdam

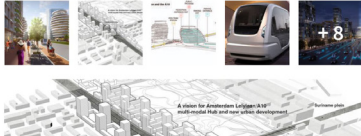
14-10 - 10 November, 2016 | by Patrick Lynch

Save this article



Ben van Berkel and UNStudio have collaborated with a multidisciplinary team including Goudappet Coffey (mobility consultants), Geophy (data specialists) and Zippitree (automated transit systems) to produce a study examining the future of infrastructure and city development for the area around Amsterdam's A10 ring road and the Leylaan district.

Proposals resulting from the study comprise a new multimodal transportation hub located at the intersection of Cornelis Lelyaan and the A10, and new urban districts flanking the highway that will link to adjacent neighborhoods while providing a much needed new address in Amsterdam.




Dus wie terug naar Amsterdam Centrum wilde...

DALSI VIDEO

1:12 / 1:08

YouTube



**What site could become a strong stand for  
“Expanding universes on shrinking footprints”?**

# GREEN LOOP

DESIGN SITE

## CONNECTING NORTH & SOUTH AMSTERDAM

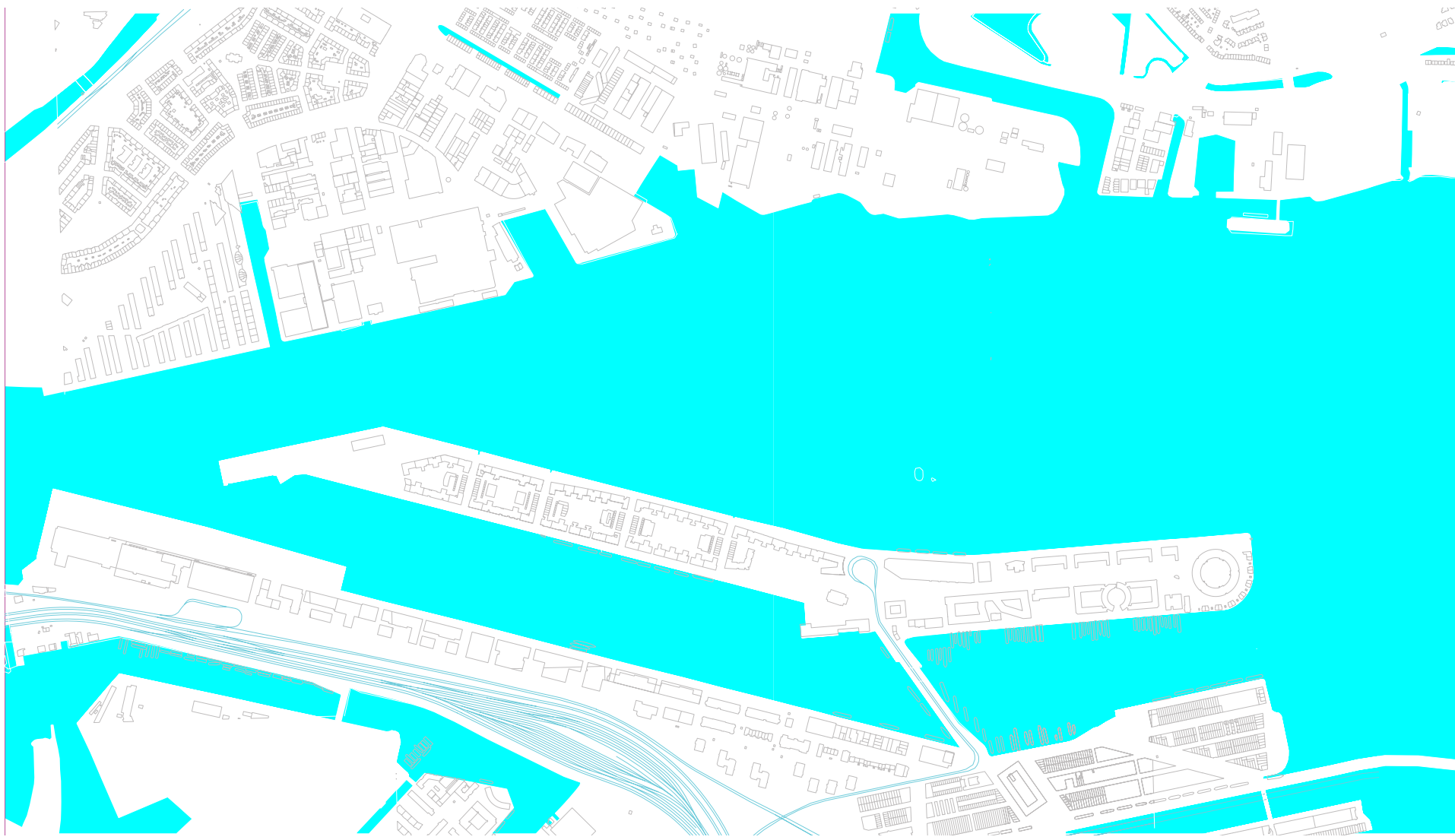
For its completion into a continuous circular route, the LOOP has to cross the IJ on two locations. The marked locations appears to be an interesting design site.



5919 ft

# DESIGN SITE

IJ



# DESIGN SITE

## STUDY



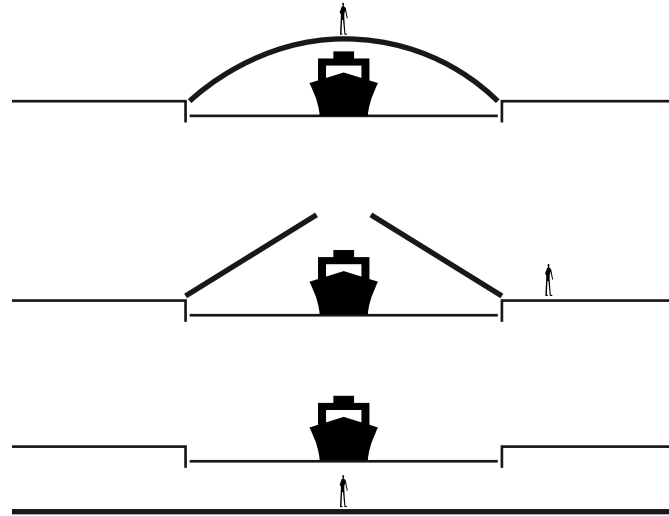
**NORTH**

**RIVER - IJ**

**SOUTH**

# DESIGN CHOICE

semiCONCLUSION



**Designing connection over IJ ...**

**merged with (NOT ONLY) dwelling-program**



# STUDY

## OCCUPIED BRIDGES



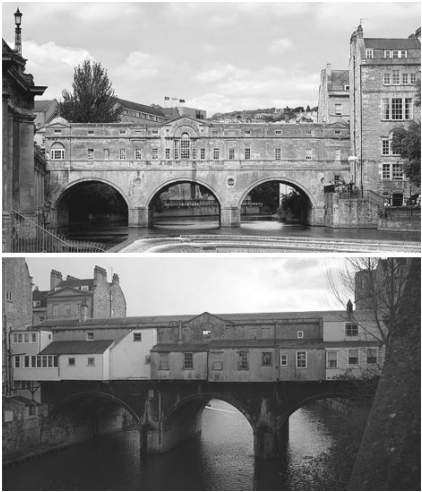
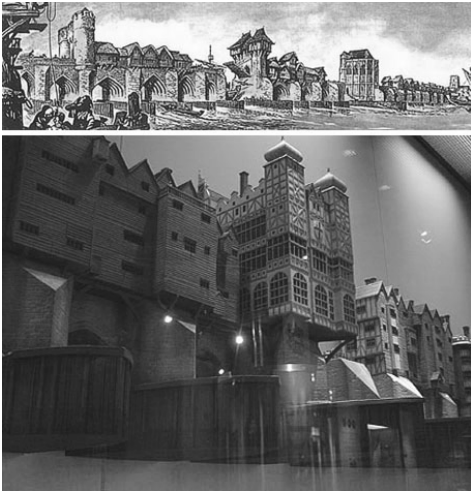
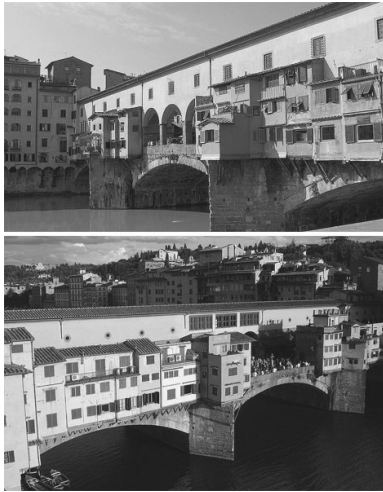
**Krämerbrücke**



**Ponte di Rialto**



**Pont Notre Dame**



**Ponte Vecchio**

**Old London Bridge**

**Pulteney Bridge**

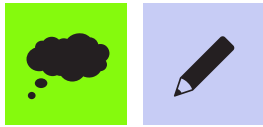
# OCCUPIED BRIDGES

## PONTE VECCHIO



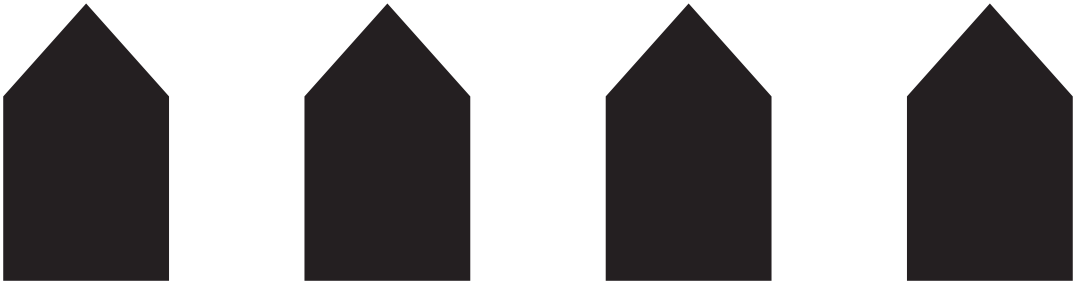
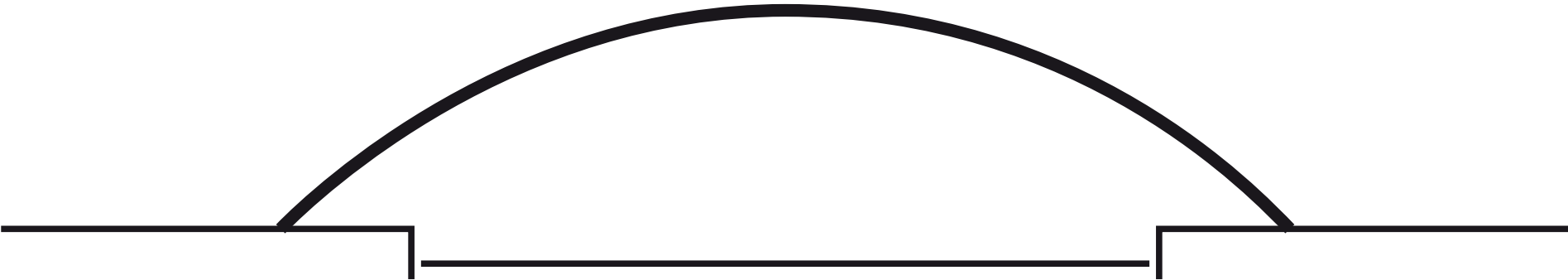
# DESIGN

## HOUSING



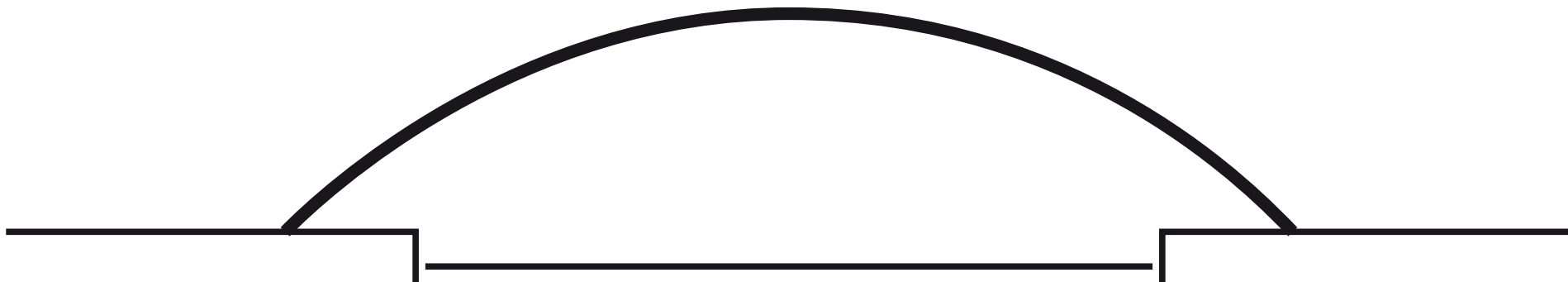
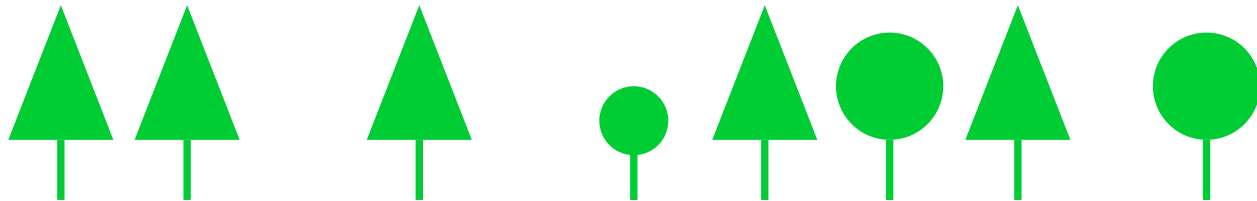
# DESIGN

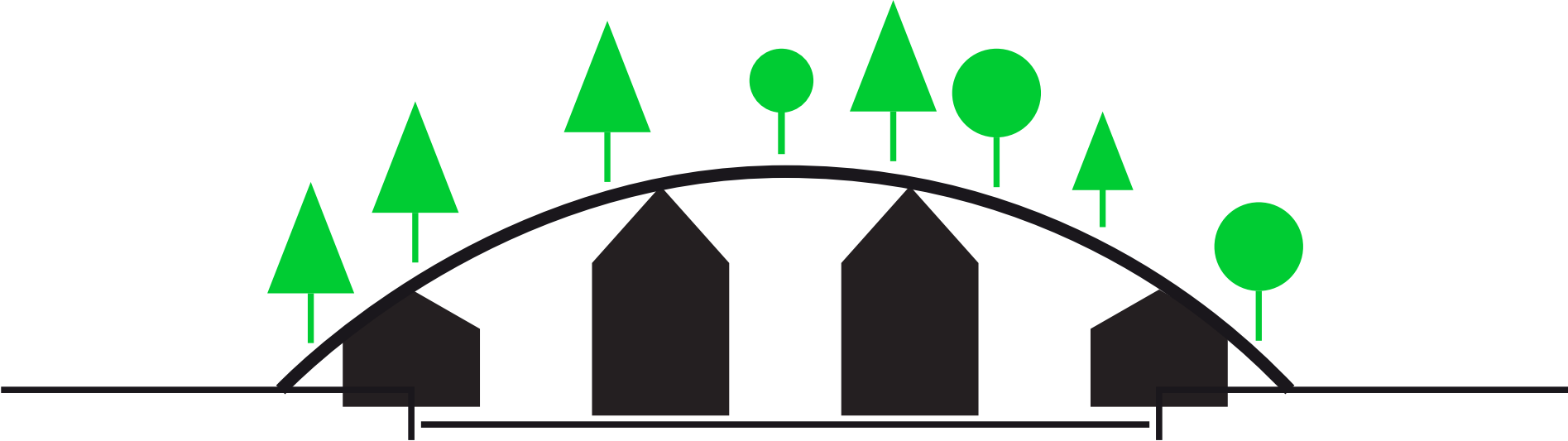
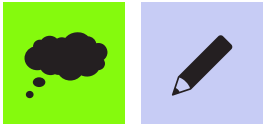
## BRIDGE



# DESIGN

## PARK

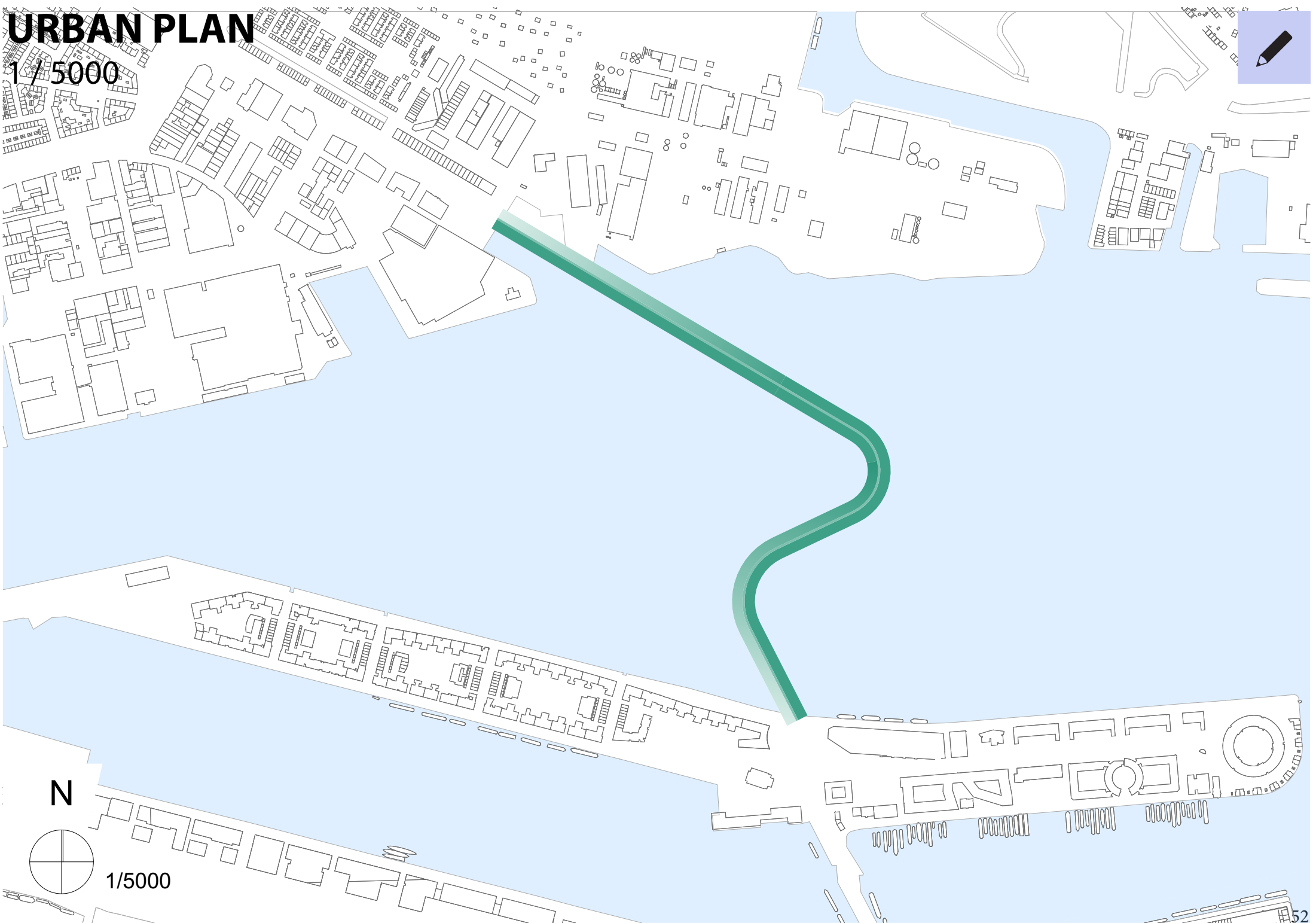




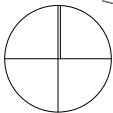
new park & living experience

# URBAN PLAN

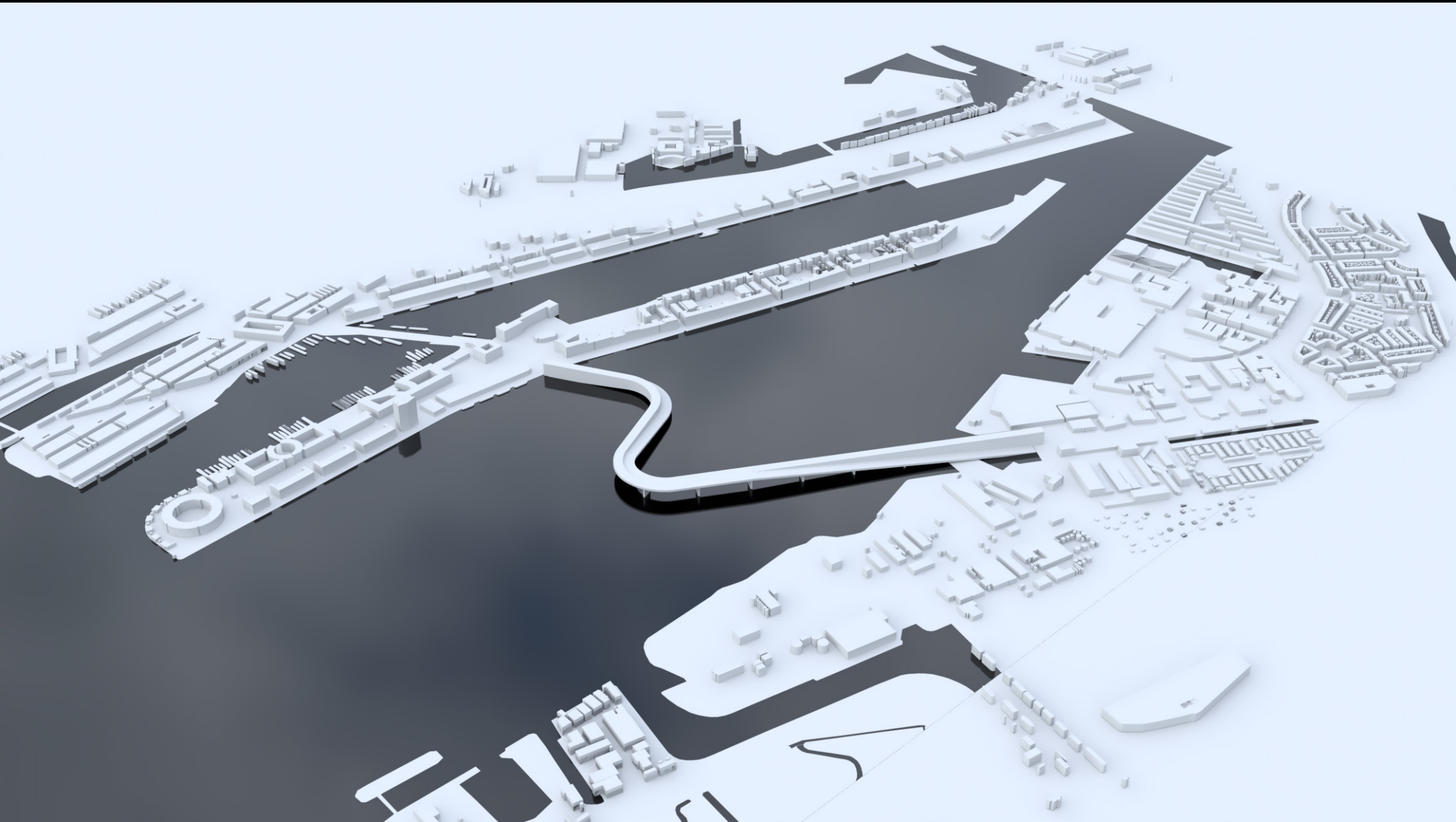
1 / 5000



N



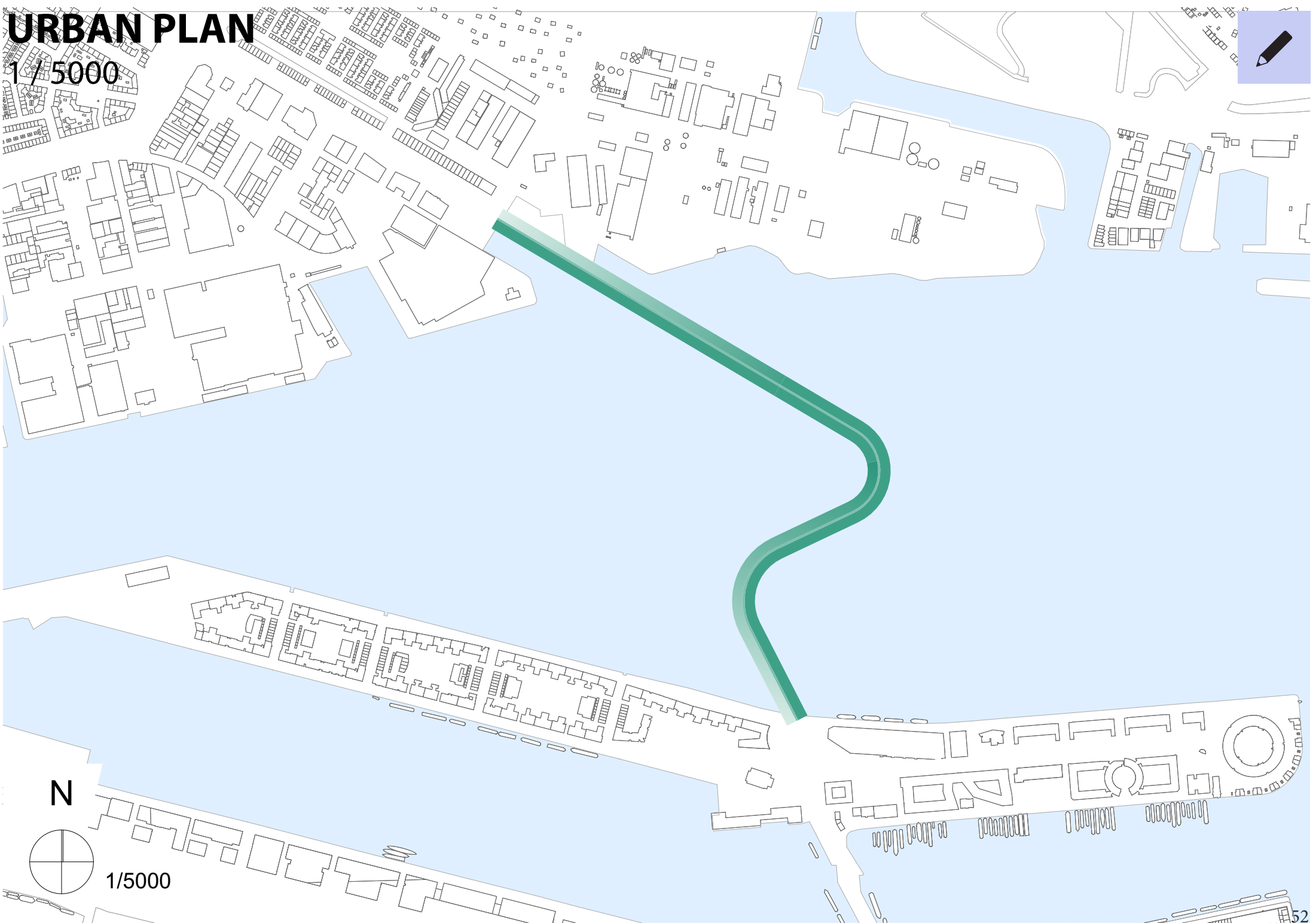
1/5000



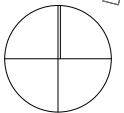


# URBAN PLAN

1 / 5000



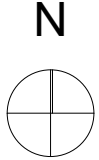
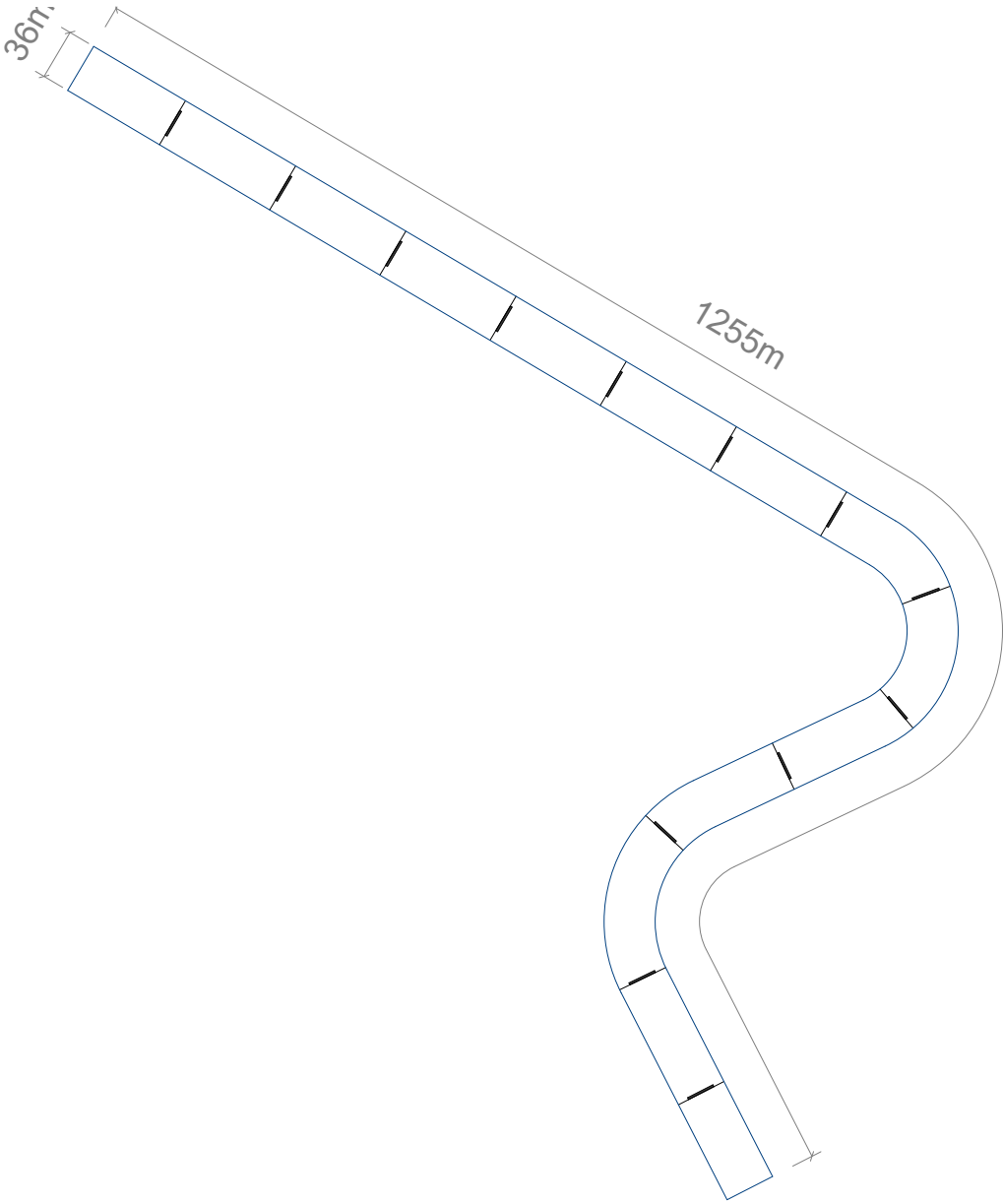
N



1/5000

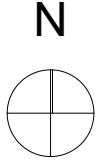
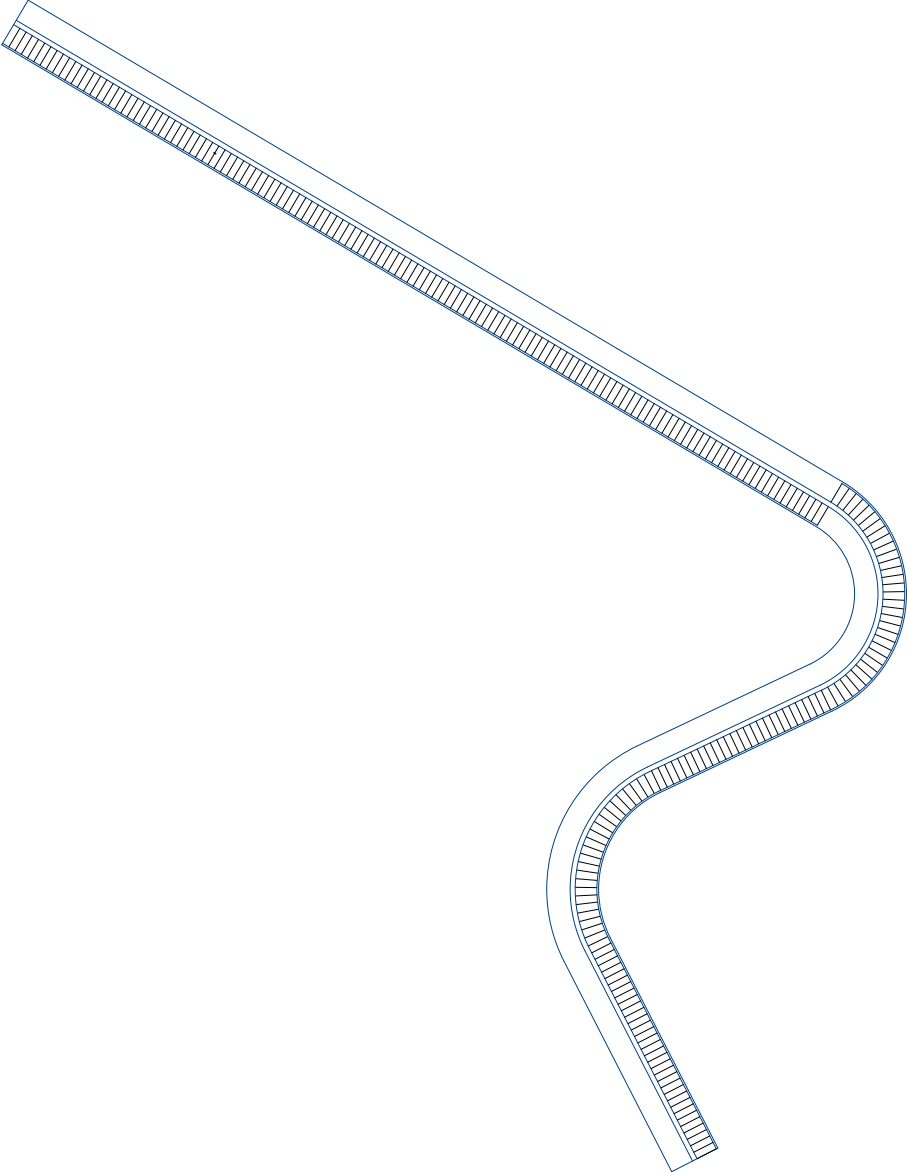
# MAIN STRUCTURE

## SUPPORTS



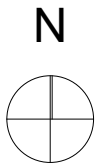
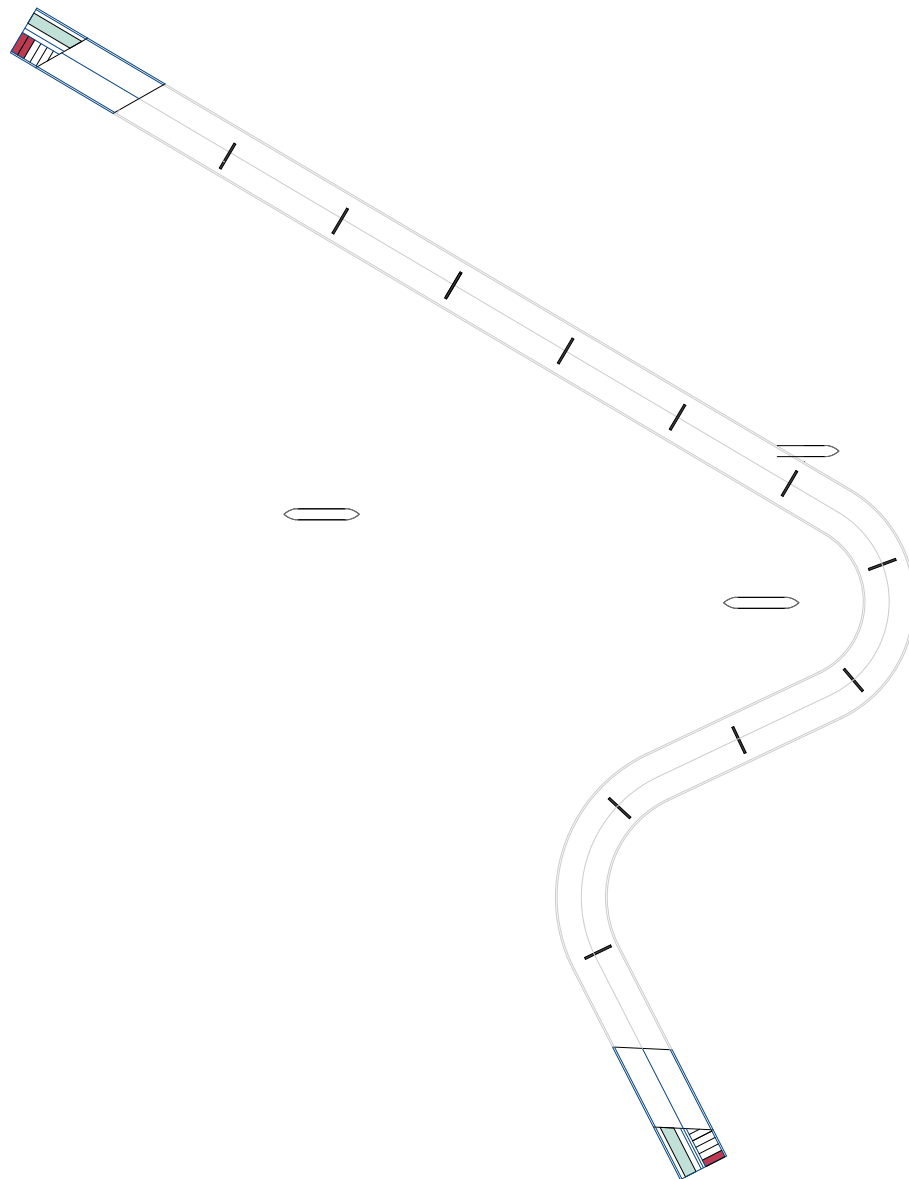
# MODULAR GRID

1 / 5000



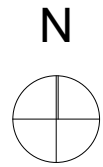
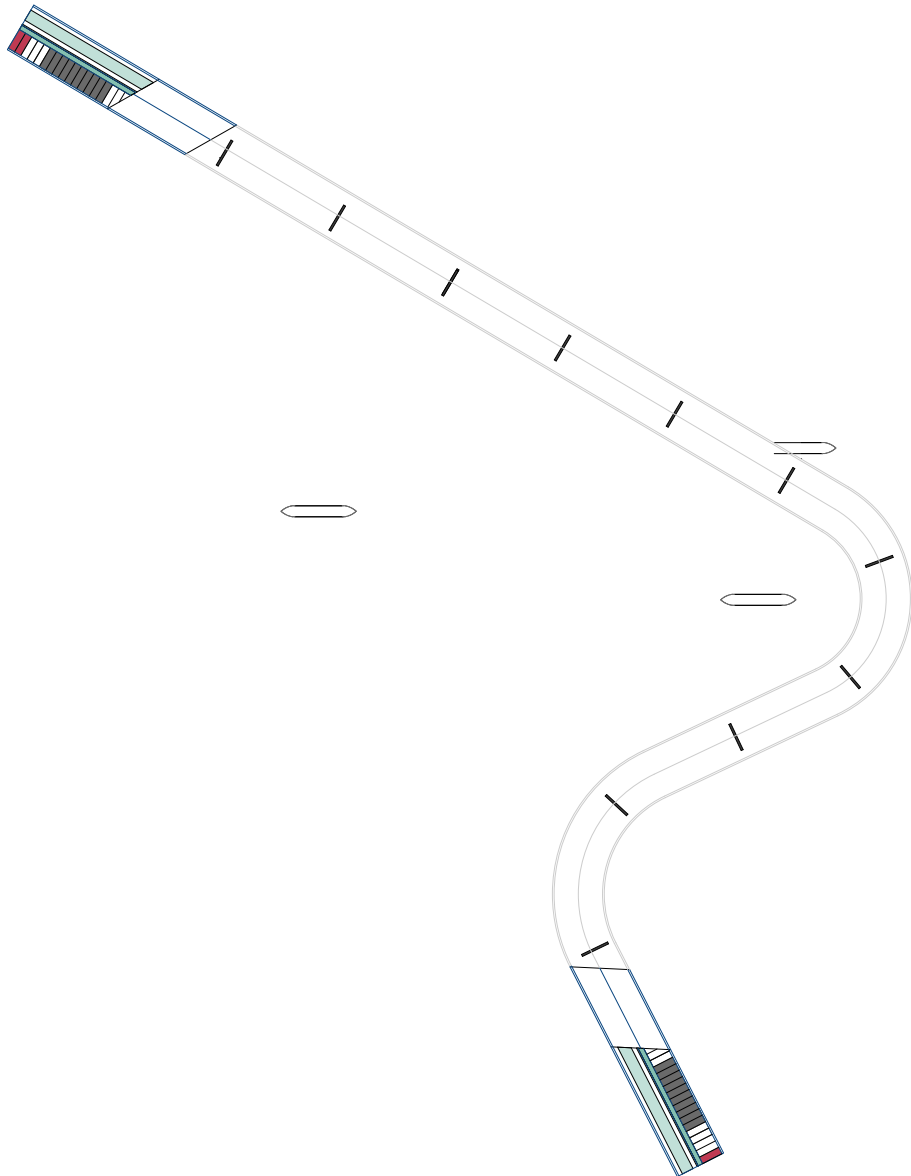
# PLAN

## 1. FLOOR



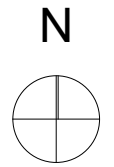
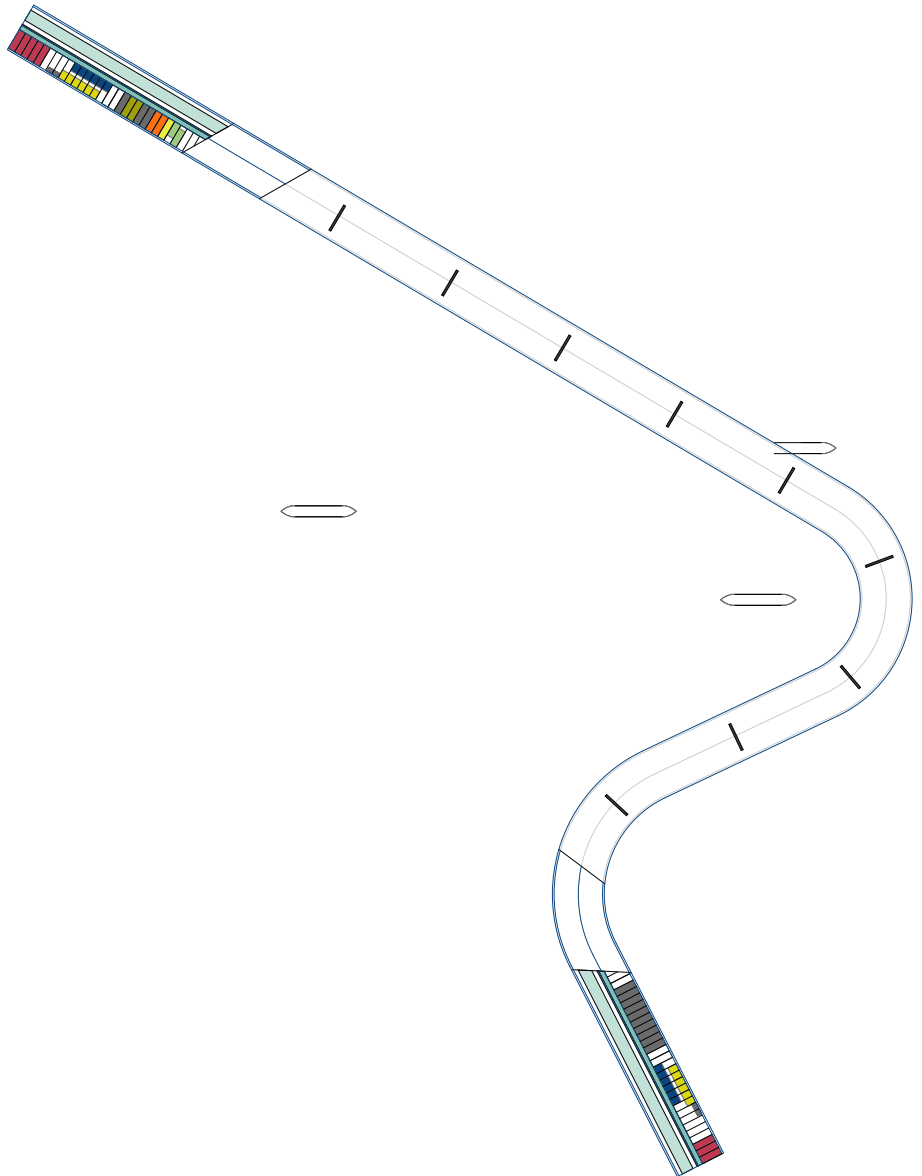
# PLAN

## 2. FLOOR



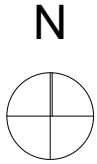
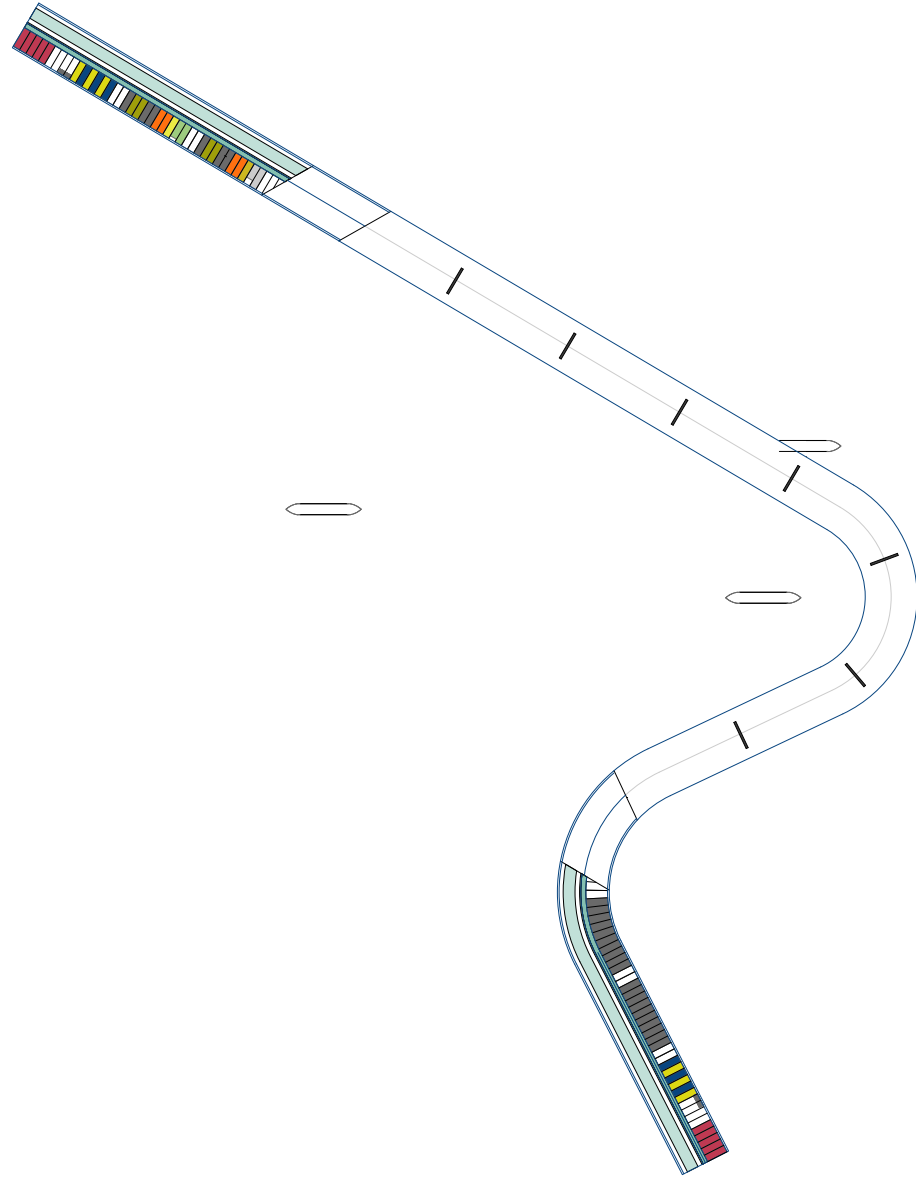
# PLAN

## 3. FLOOR



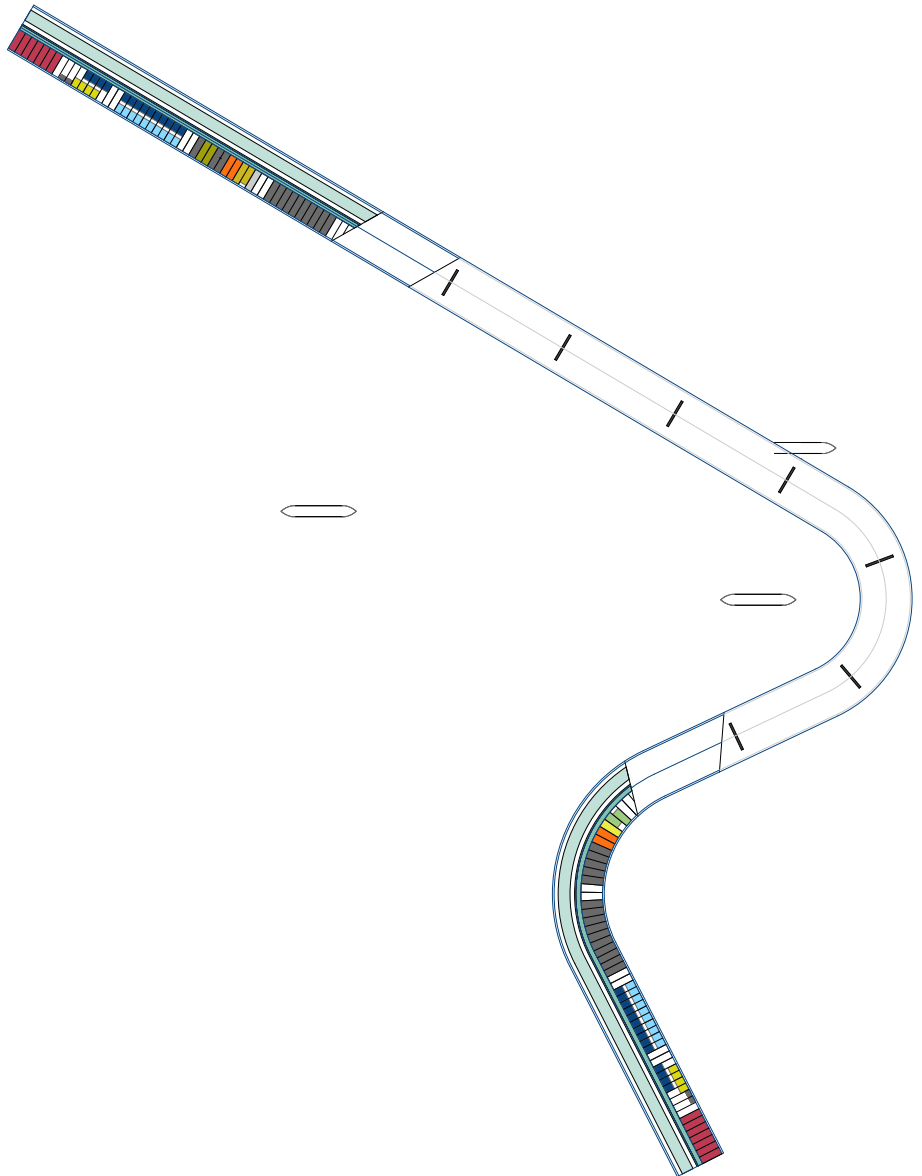
# PLAN

## 4. FLOOR



# PLAN

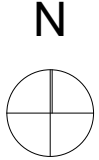
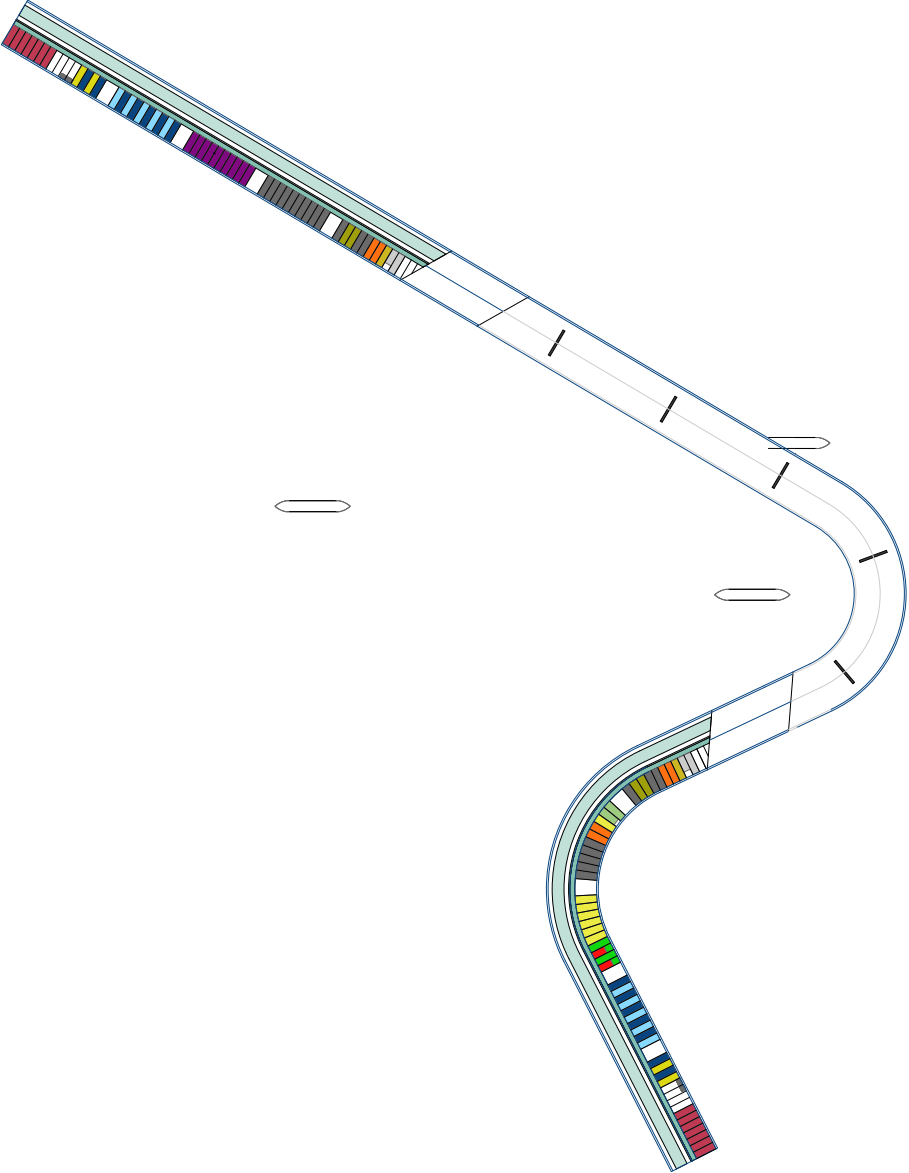
## 5. FLOOR





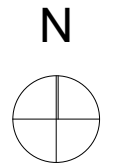
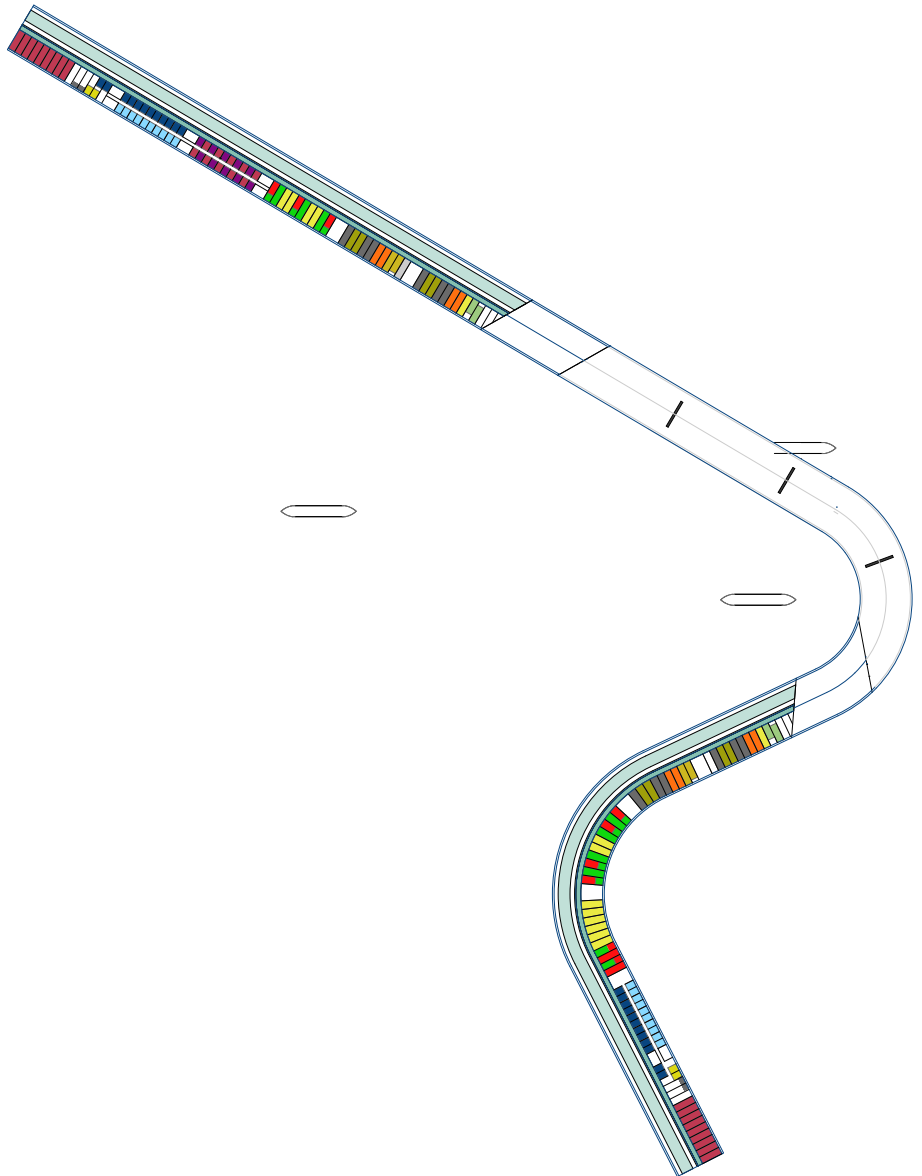
# PLAN

## 6. FLOOR



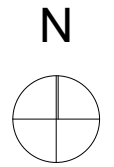
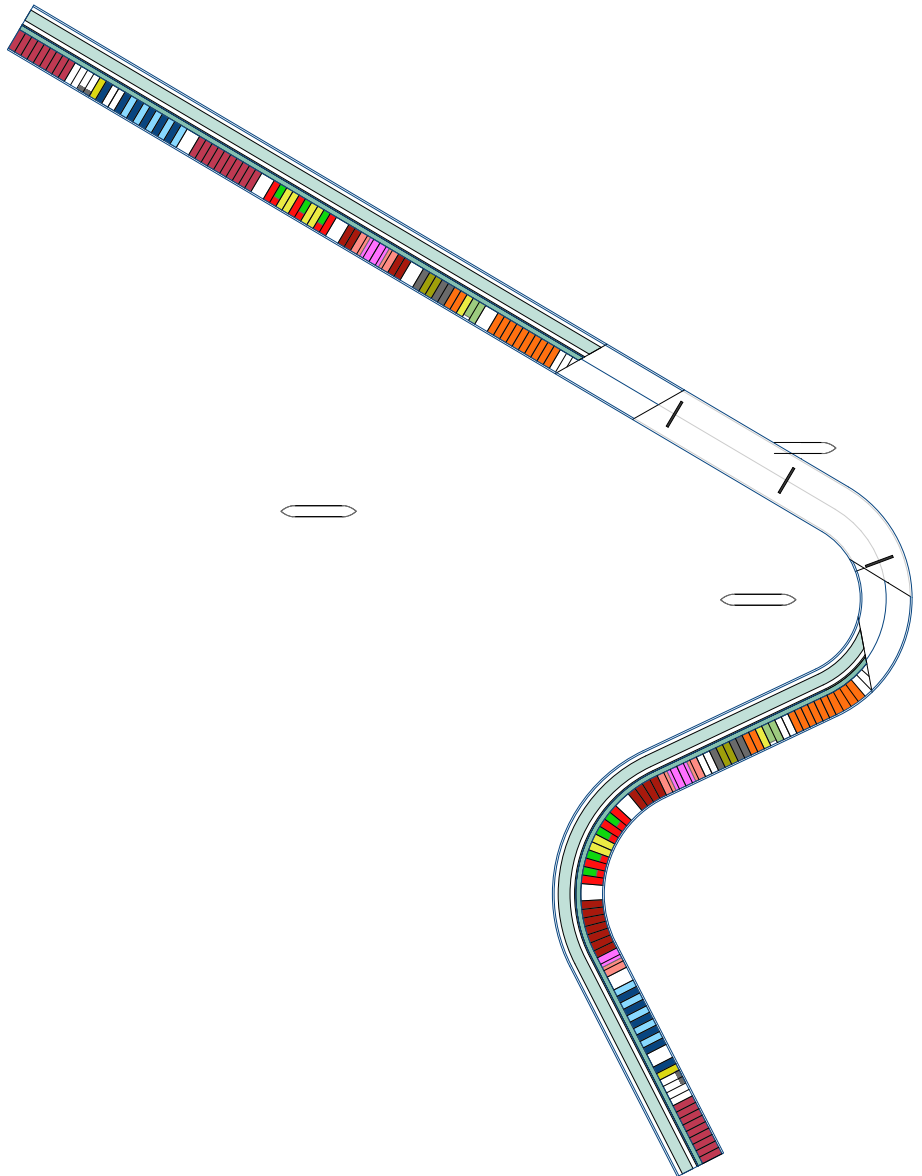
# PLAN

## 7. FLOOR



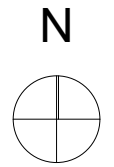
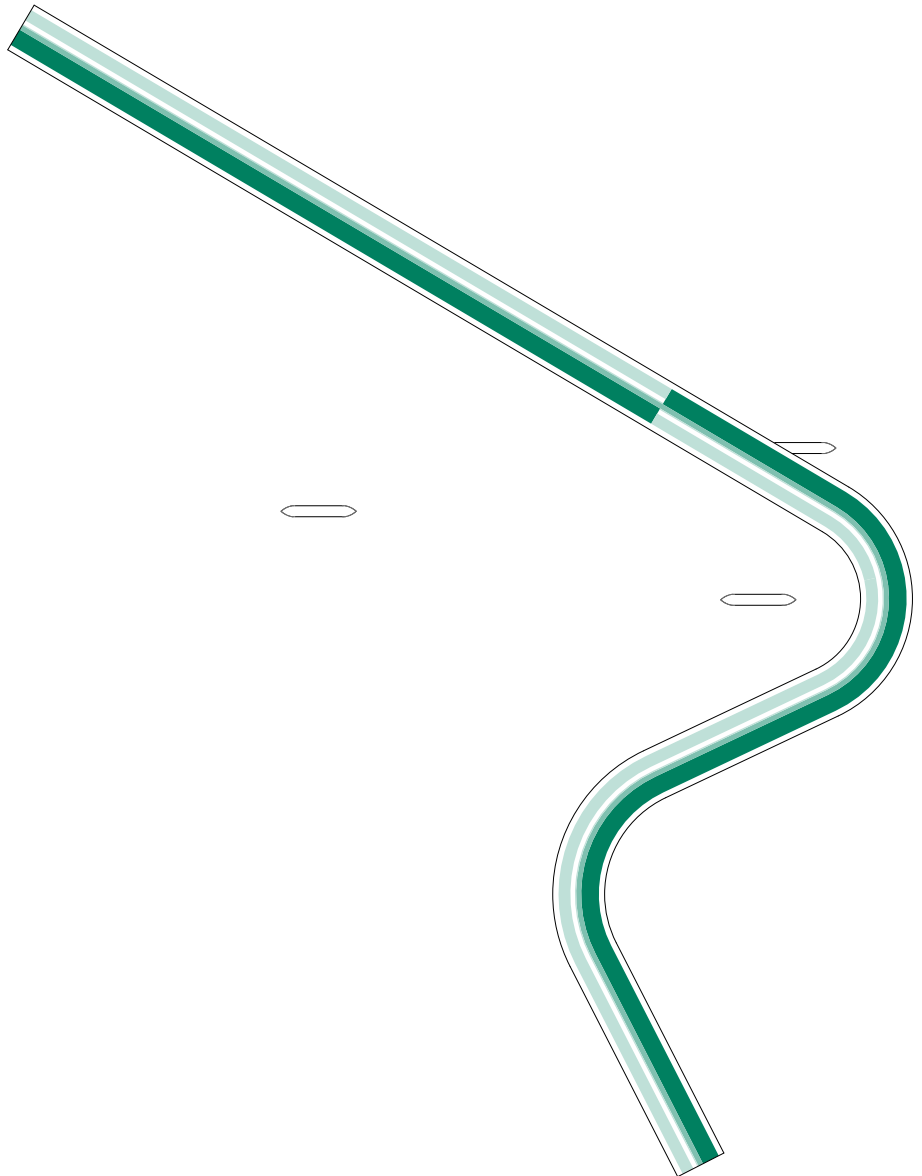
# PLAN

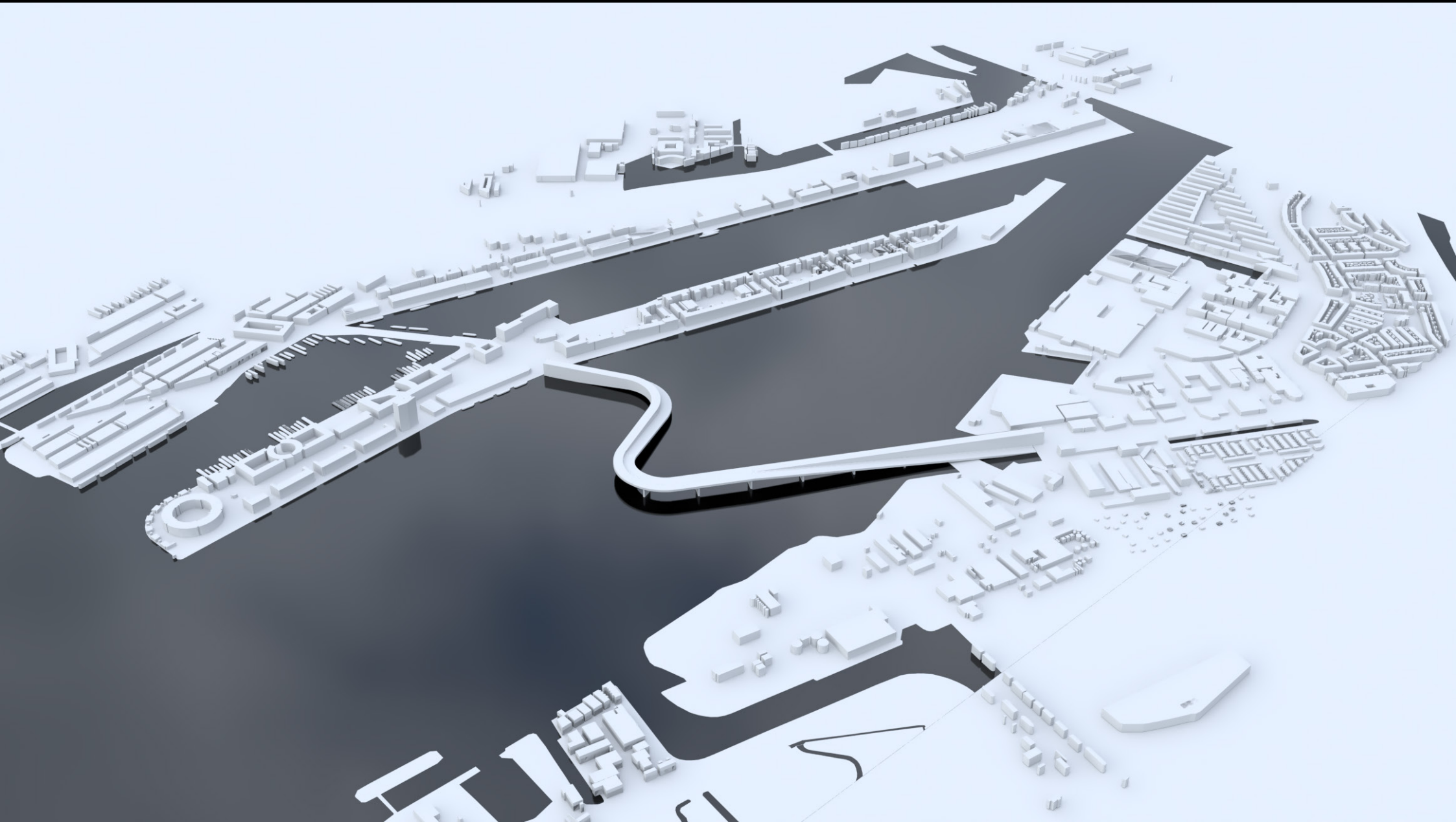
## 8. FLOOR



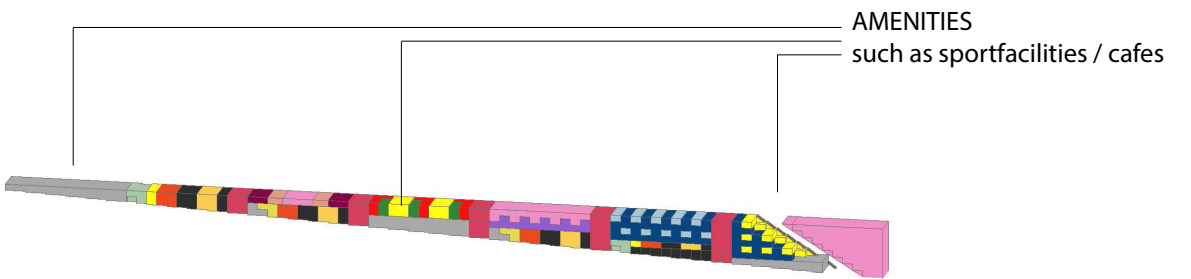
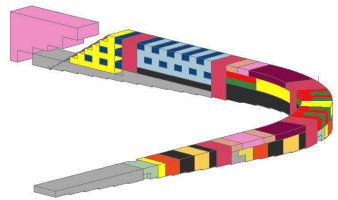
# PLAN

## ROOFS

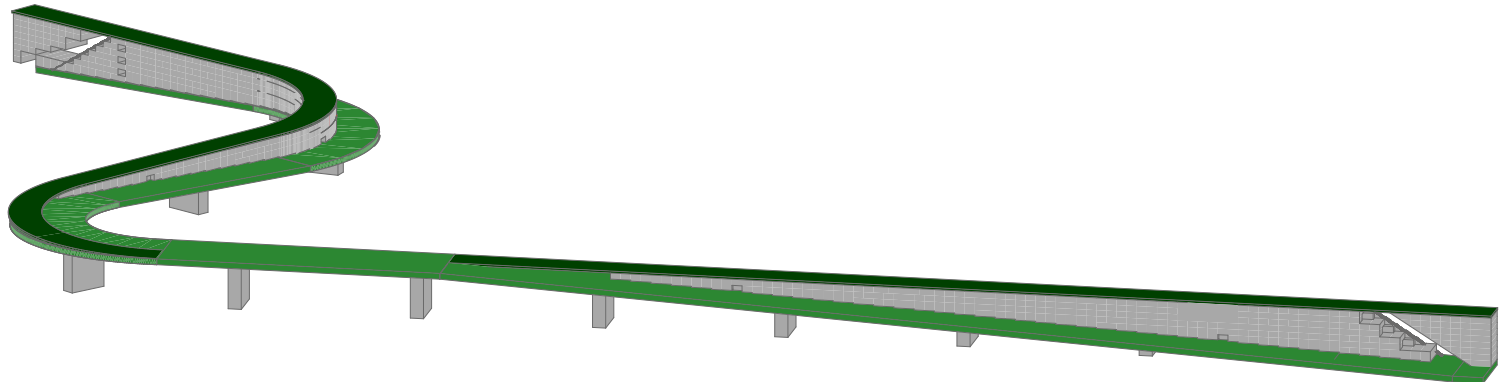




# DIVERSITY WITHIN UNITY



DIVERSITY IN STREETS & DWELLINGS



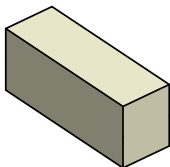
ONE ARCHITECTURAL LANGUAGE

# HOUSING CATALOGUE

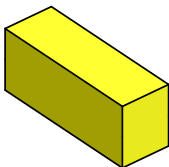
## BLOCK SYSTEM



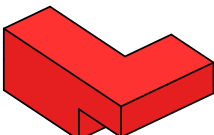
r1



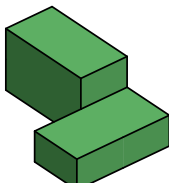
r2



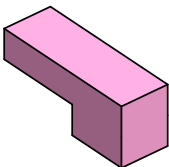
v5



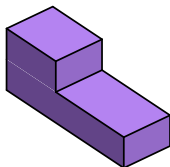
v6



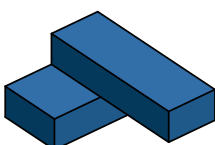
m1



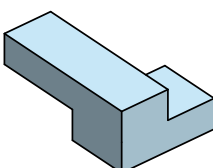
m2



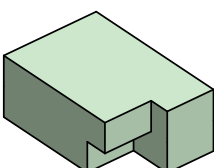
m3



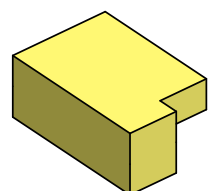
m4



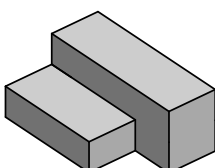
v1



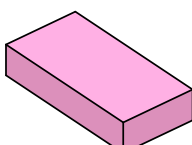
v2



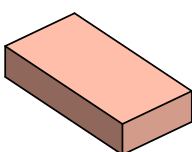
v3



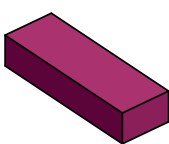
b1



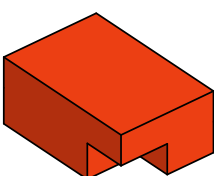
b2



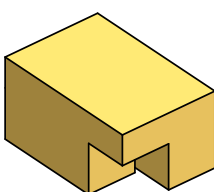
b3



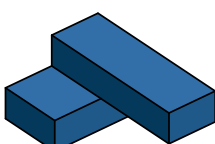
v3



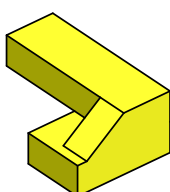
v4



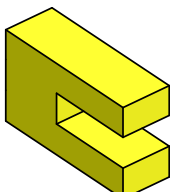
m3



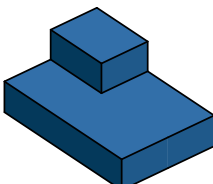
m5



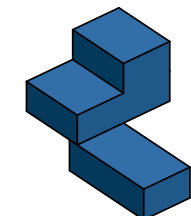
m6



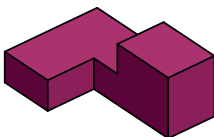
m7



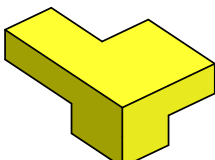
m8



m9

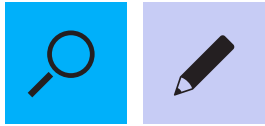


m10

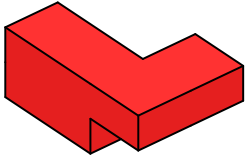


# BLOCK SYSTEM

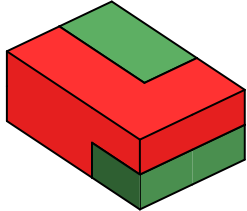
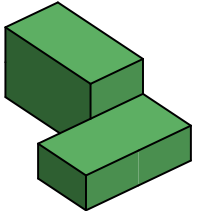
## DWELLINGS



v5



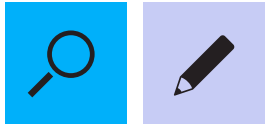
v6



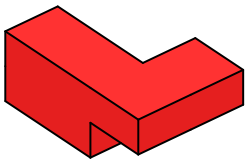


# DWELLING

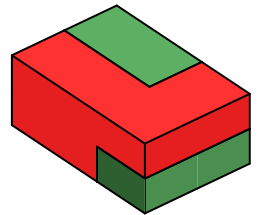
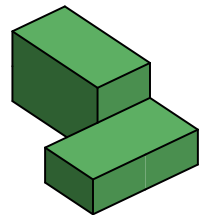
## BLOCK SYSTEM



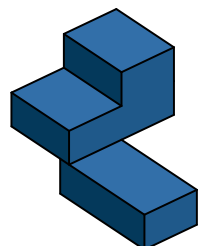
v5



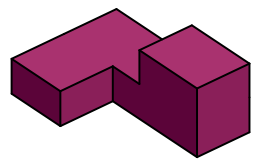
v6



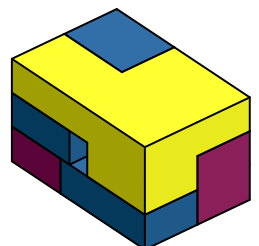
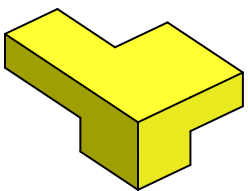
m8



m9

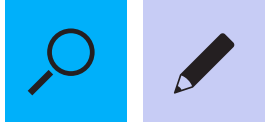


m10

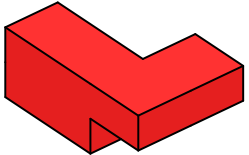


# DWELLING

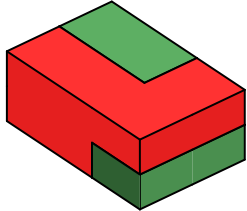
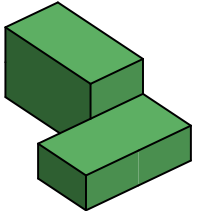
## BLOCK SYSTEM



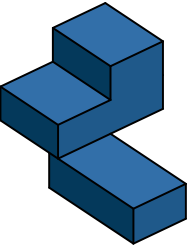
v5



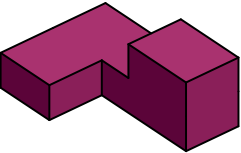
v6



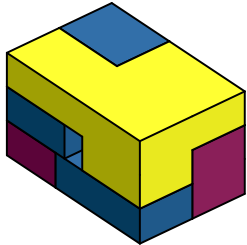
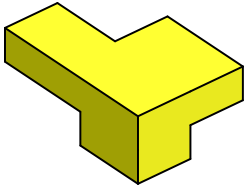
m8



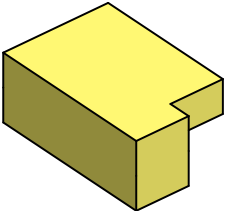
m9



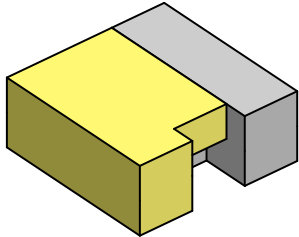
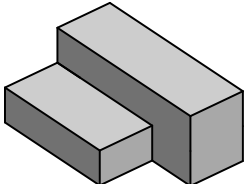
m10



v2

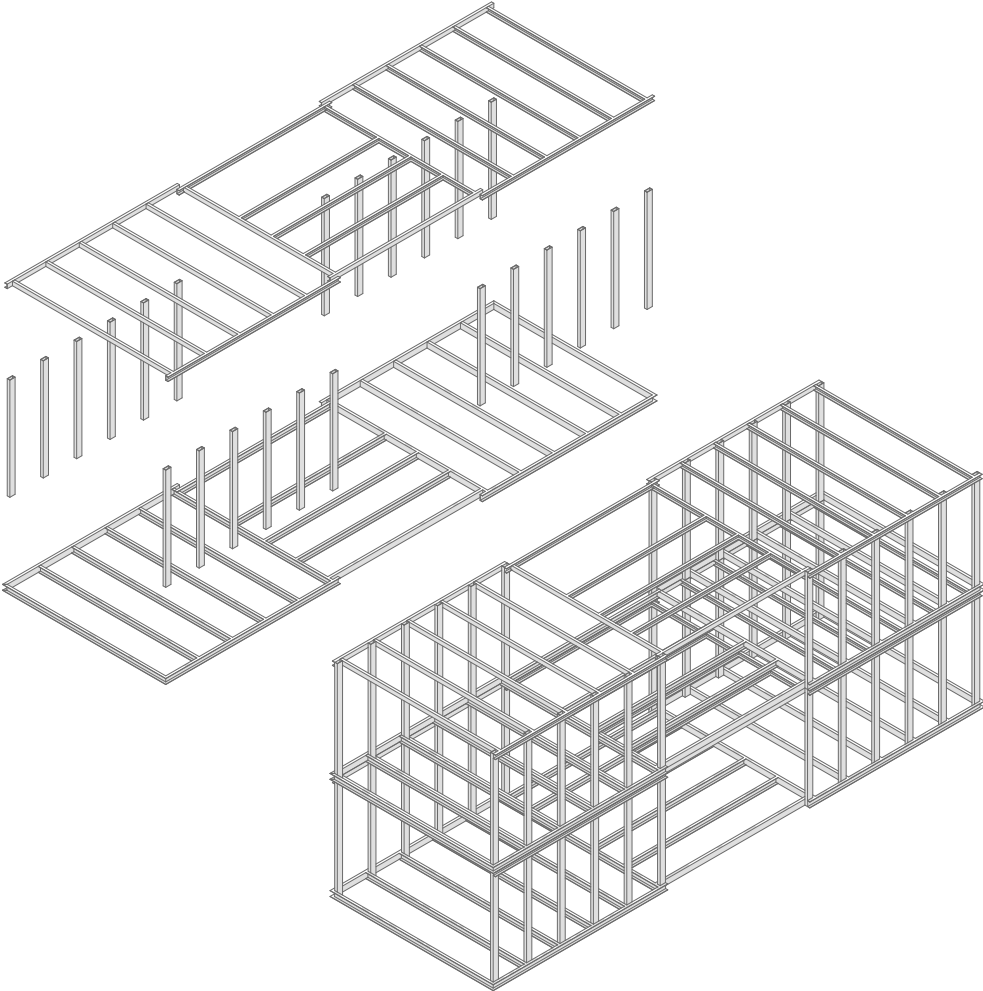


v3



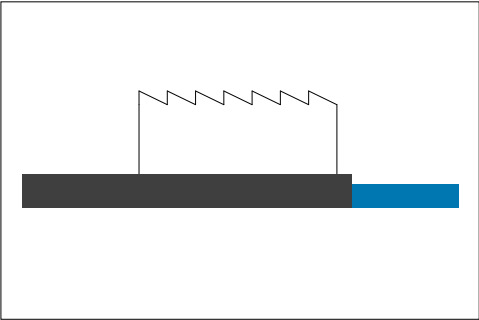
# STRUCTURE OF ONE UNIT

EXAMPLE R1 / R2

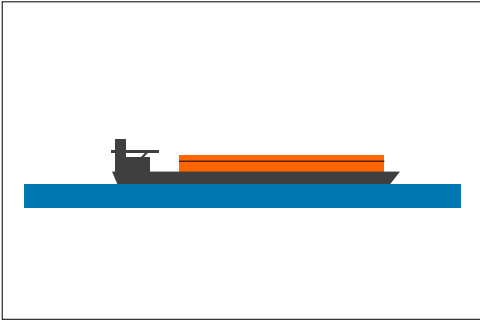


# CONSTRUCTION PROCESS

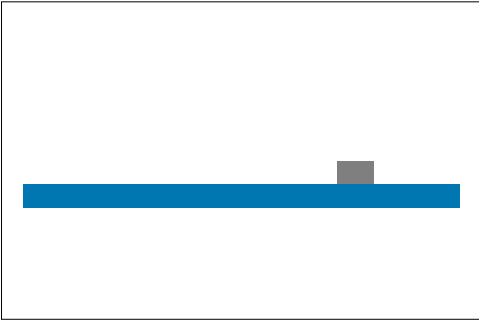
EXAMPLE R1 / R2



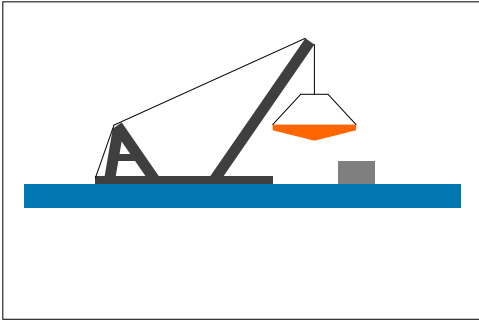
**COMPONENTS PRODUCED IN CONTROLLED ENVIRONMENT**



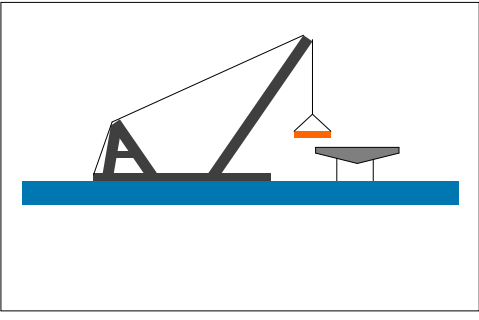
**COMPONENTS SHIPPED ON SITE**



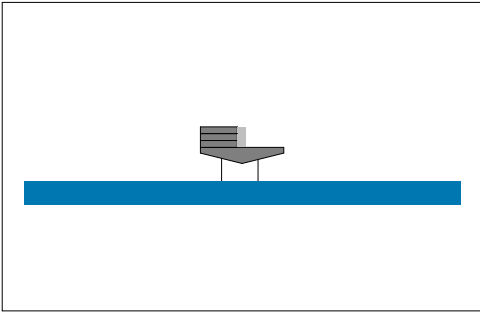
**REINFORCED CONCRETE SUPPORTS**



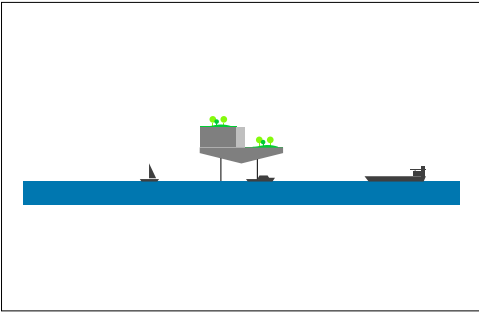
**PLACING LONG SPAN COMPONENTS**



**PLACING LIGHT WEIGHT COMPONENTS**



**2 LEVELS OF PUBLIC SPACE**



**ADDING GREENERY OF PARKS**

# CONSTRUCTION PROCESS

COMPONENTS PRODUCED IN CONTROLLED ENVIRONMENT



# CONSTRUCTION PROCESS

COMPONENTS SHIPPED ON SITE



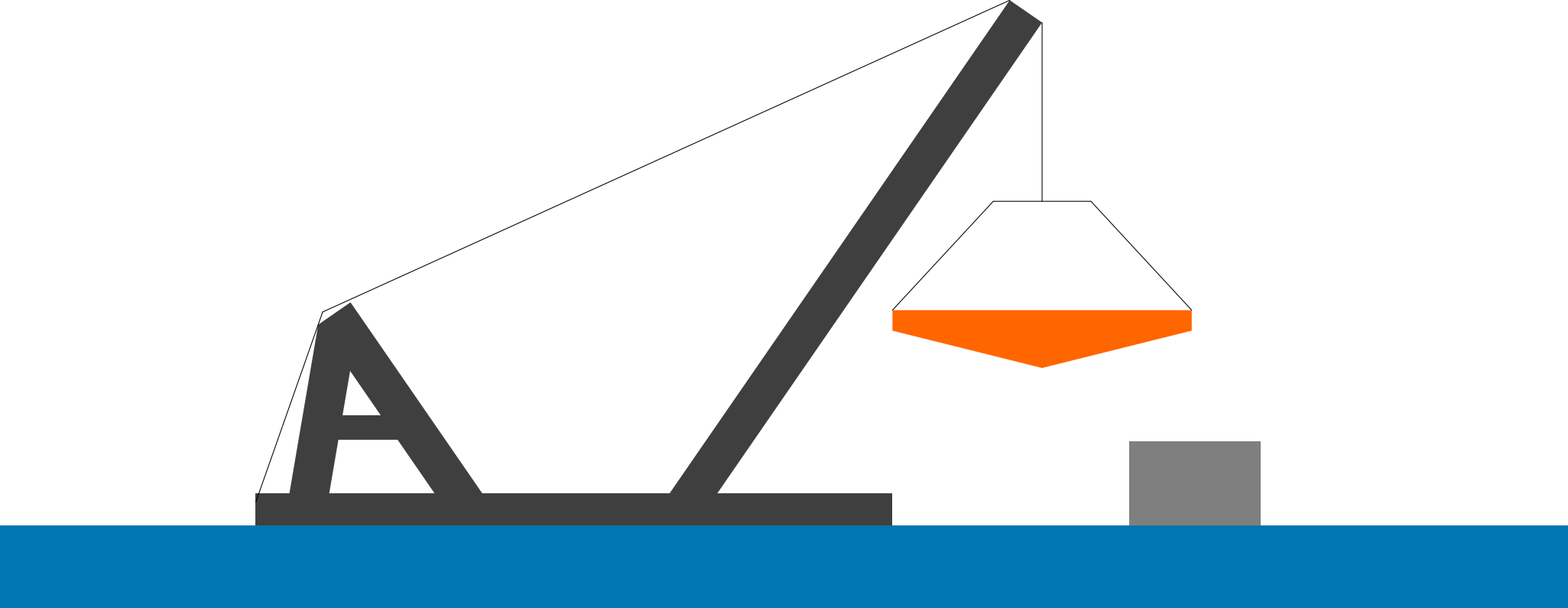
# CONSTRUCTION PROCESS

## REINFORCED CONCRETE SUPPORTS



# CONSTRUCTION PROCESS

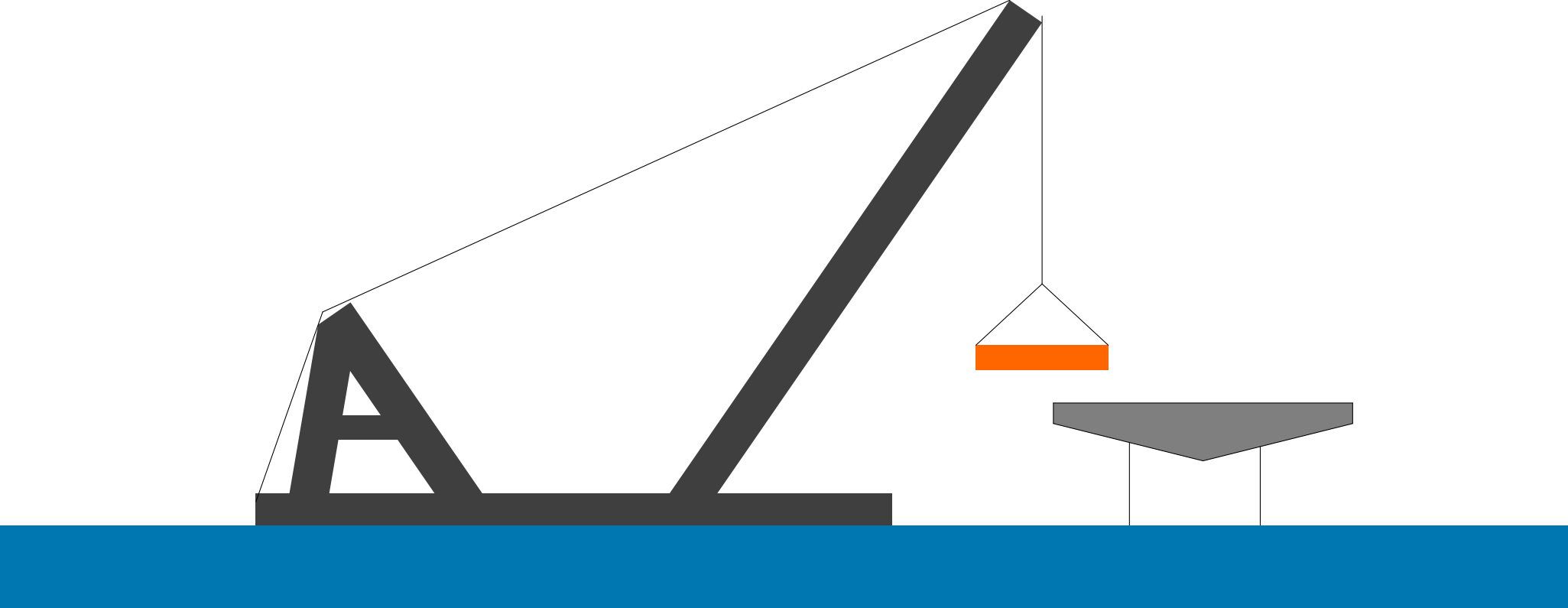
## PLACING LONG SPAN COMPONENTS





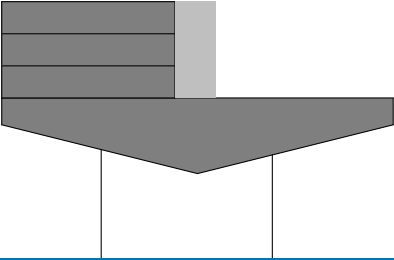
# CONSTRUCTION PROCESS

## PLACING LIGHT WEIGHT COMPONENTS



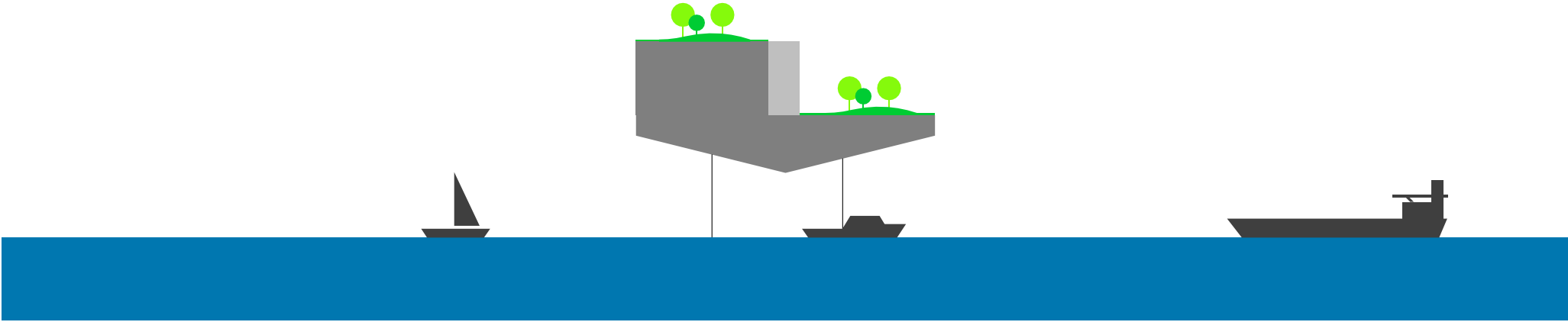
# CONSTRUCTION PROCESS

## 2 LEVELS OF PUBLIC SPACE



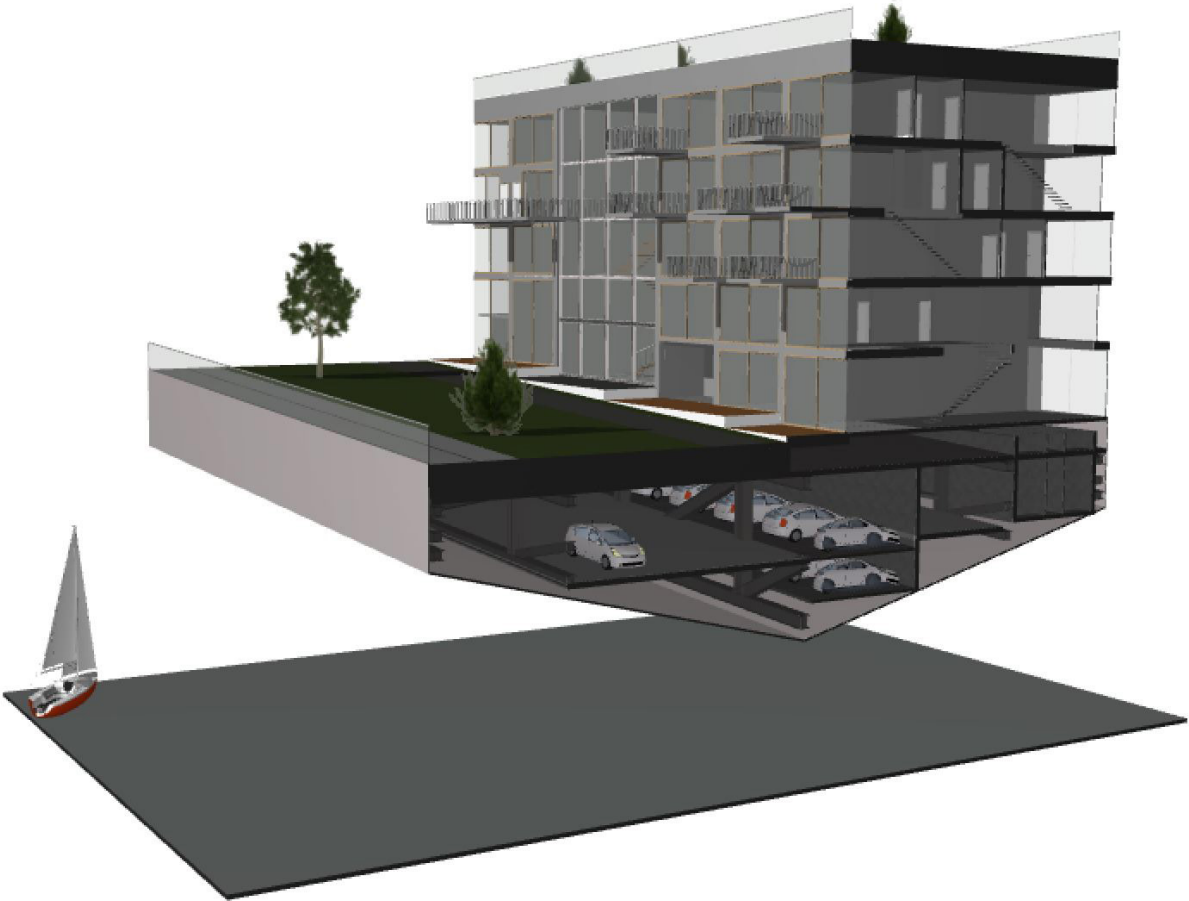
# CONSTRUCTION PROCESS

ADDING GREENERY OF PARKS



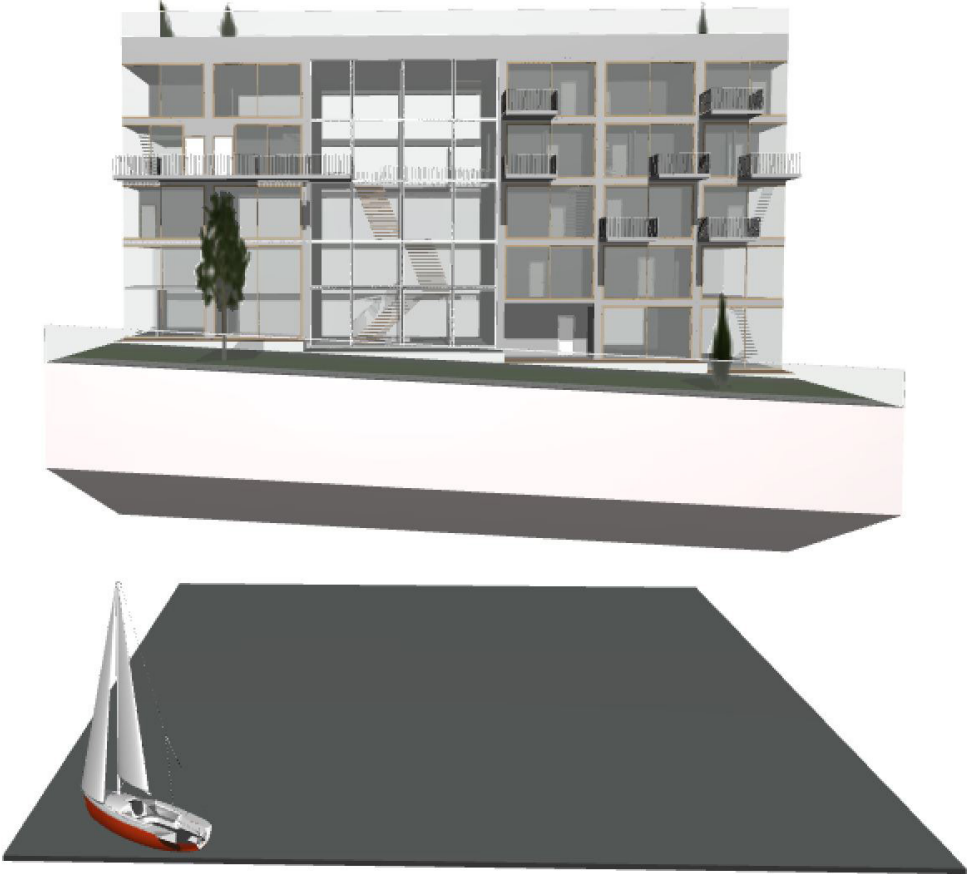
# BIM MODEL

## 3D SECTION



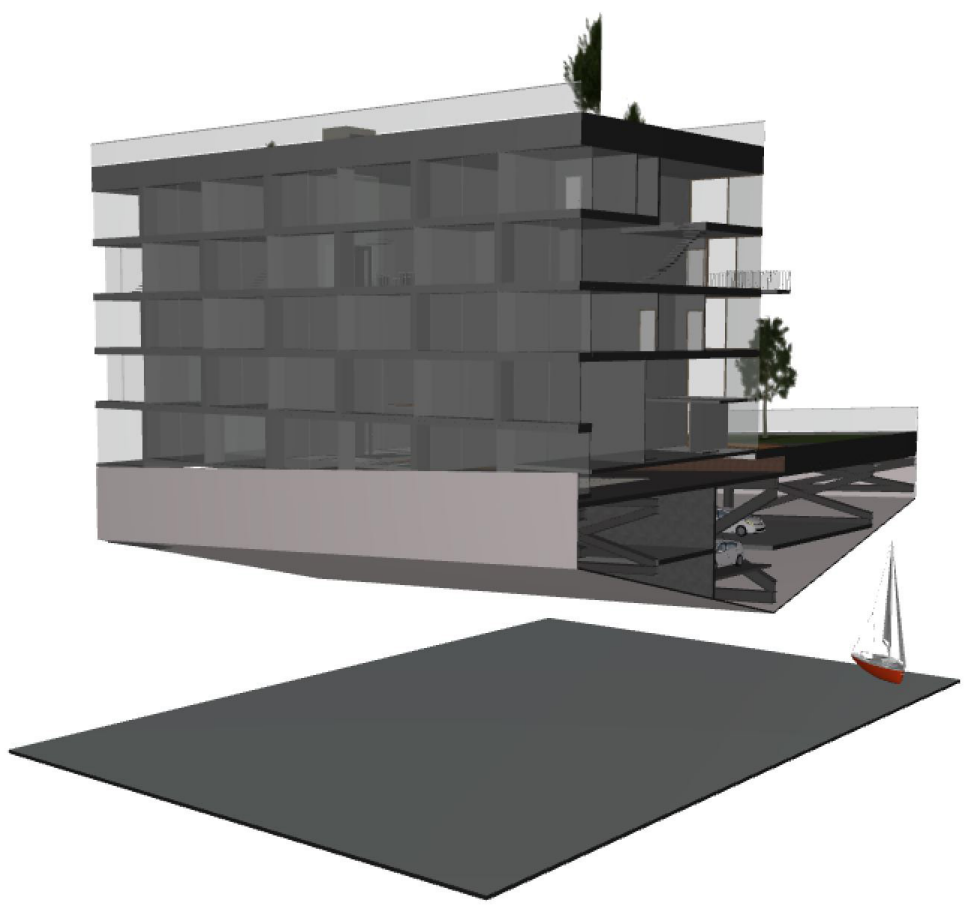
# BIM MODEL

## 3D SECTION



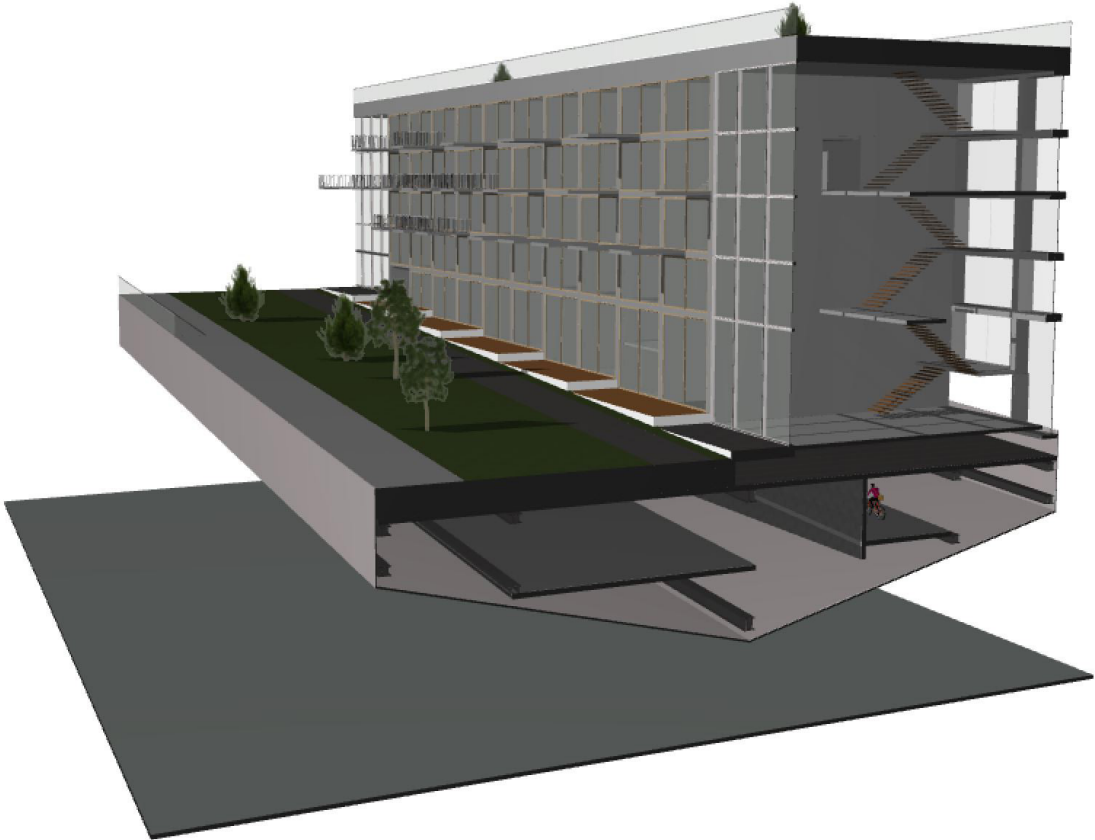
# BIM MODEL

## 3D SECTION



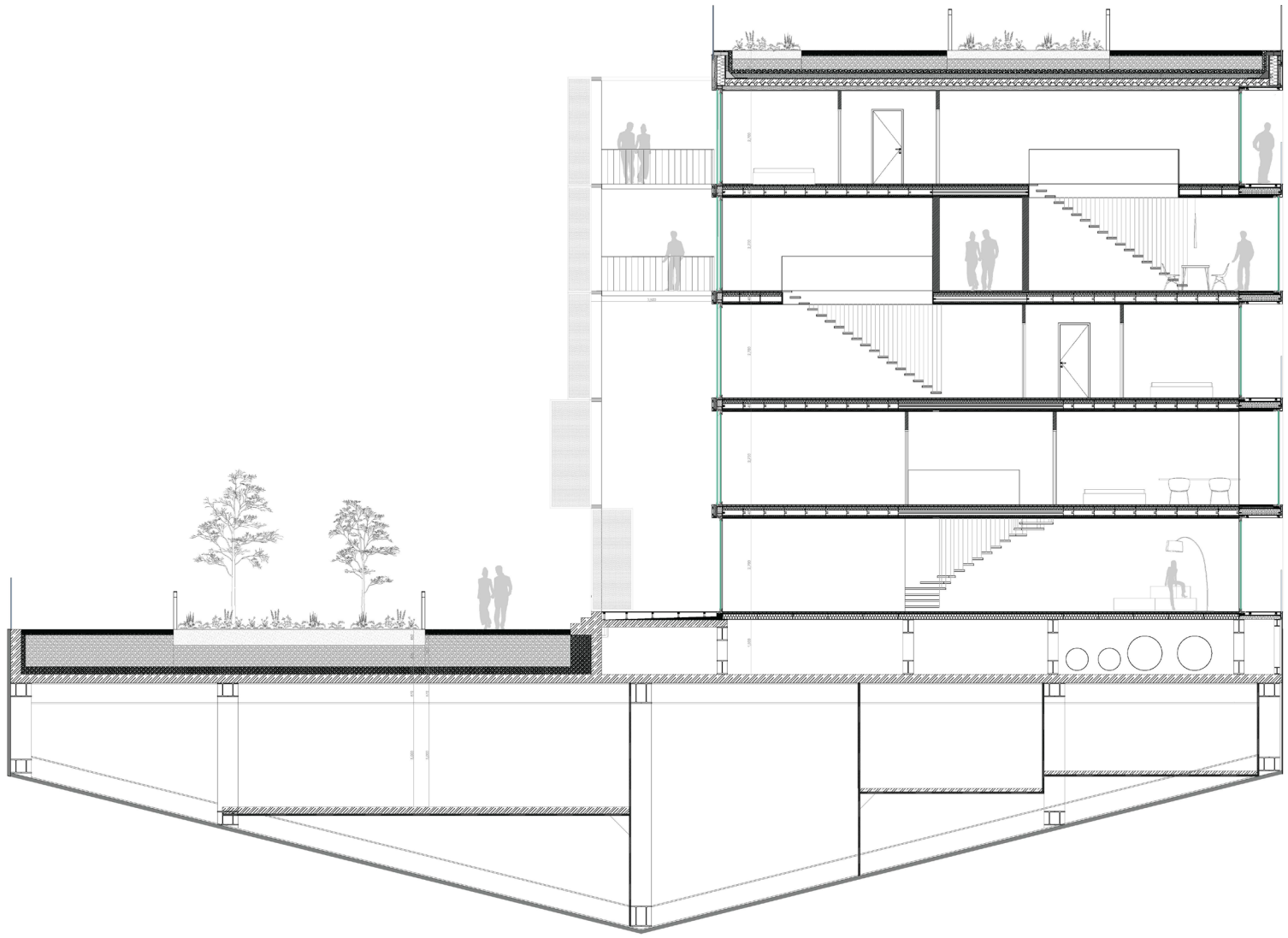
# BIM MODEL

## 3D SECTION



# SECTION

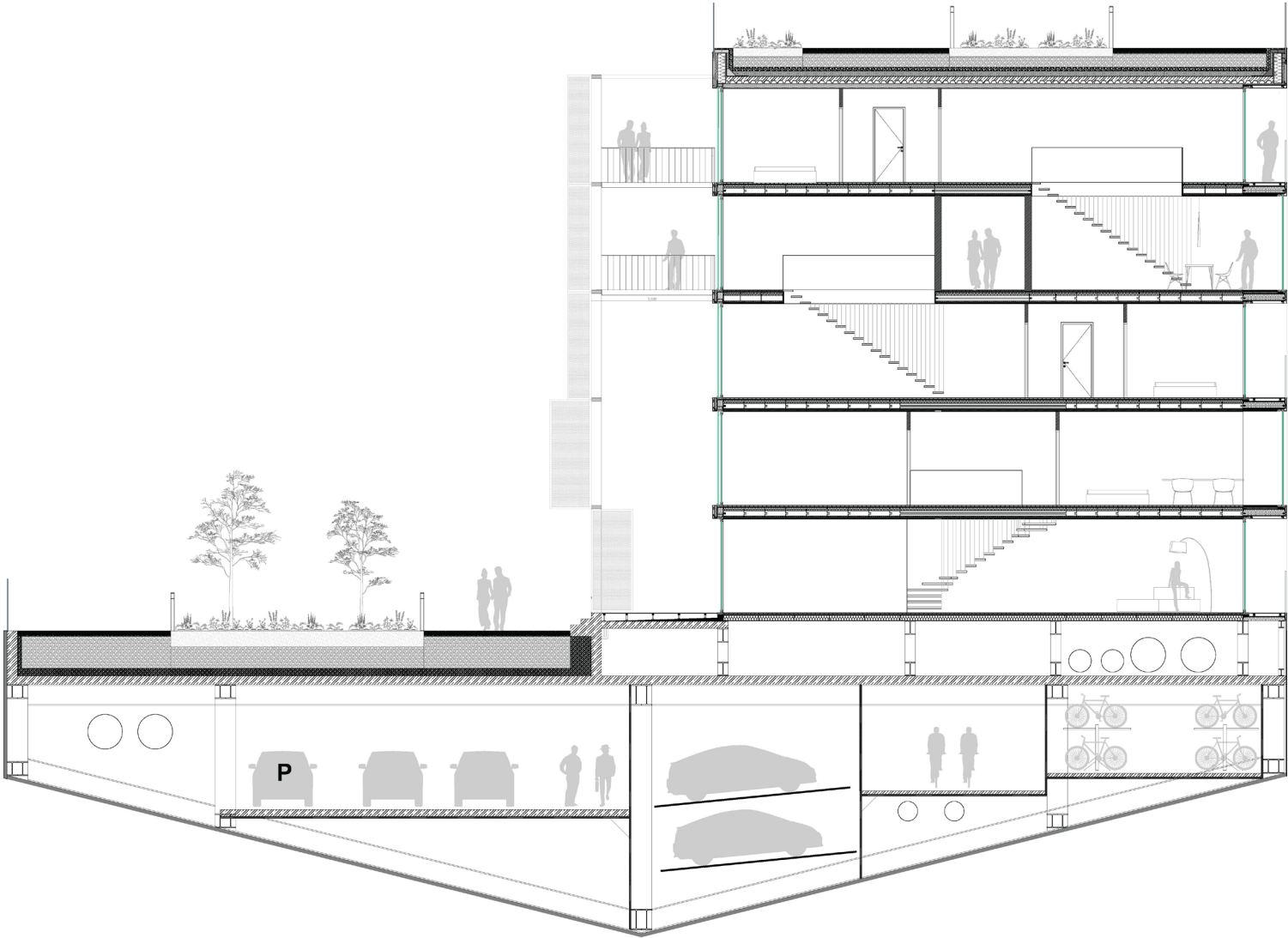
1 / 20



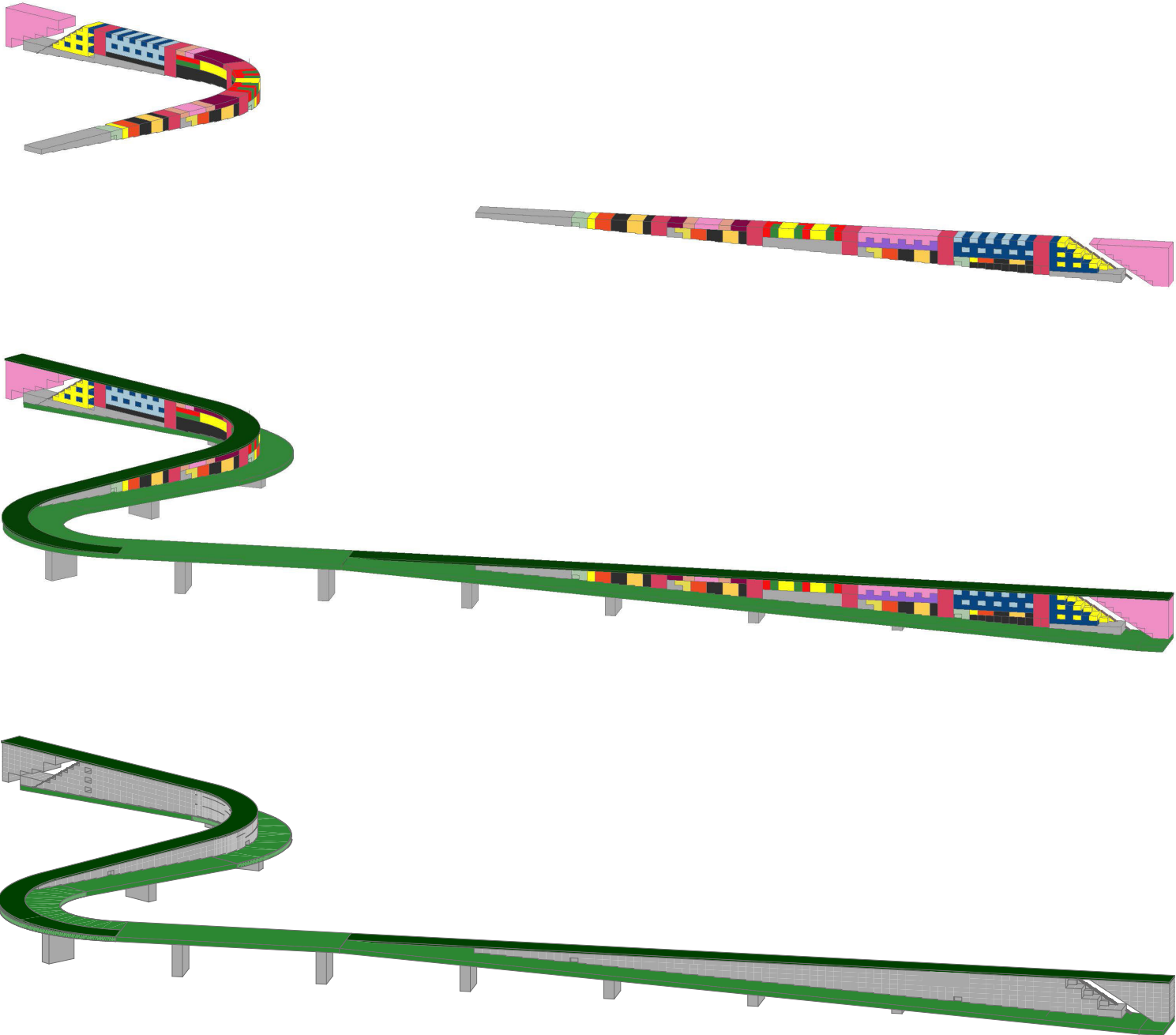


# SECTION

1 / 20



# UNITY WITHIN DIVERSITY



# UNITY WITHIN DIVERSITY

## FASADES



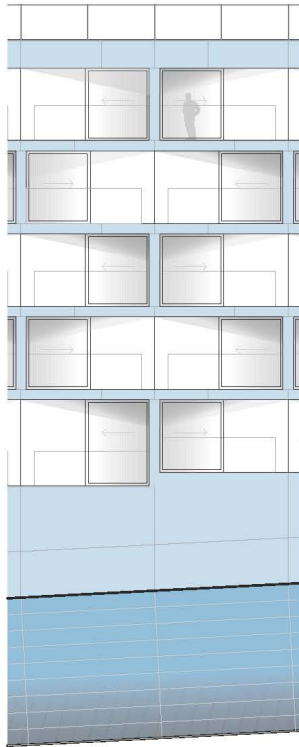
STAGE 1



STAGE 2



STAGE 3



# FASADES

## 3 STAGES



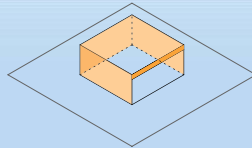
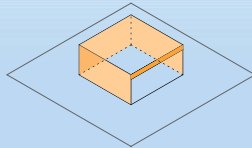
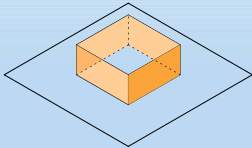
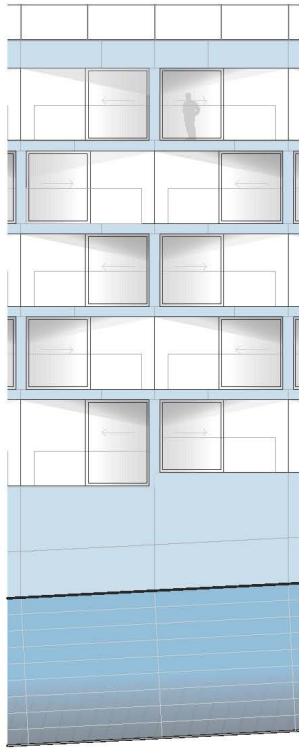
STAGE 1



STAGE 2

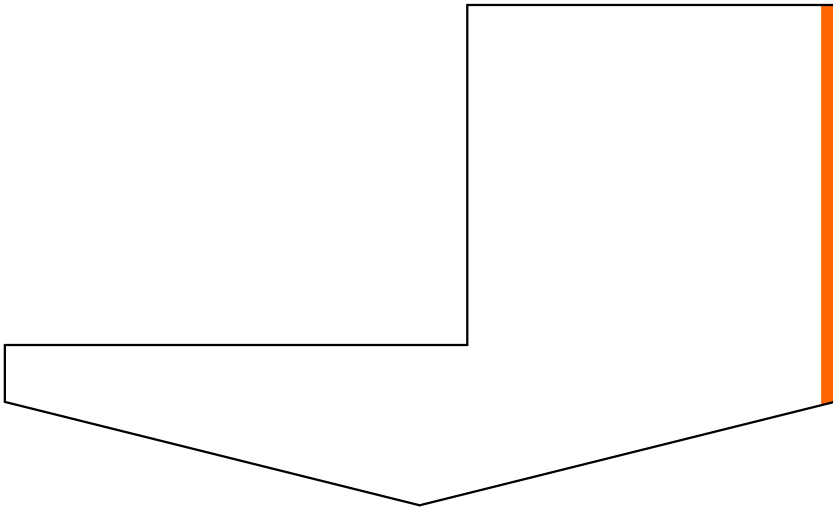


STAGE 3



# WATER FASADE

PUBLIC SPACE = IJ

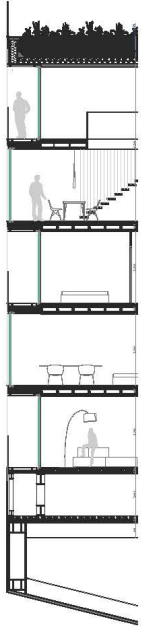


# IMPRESSIONS

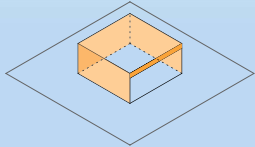
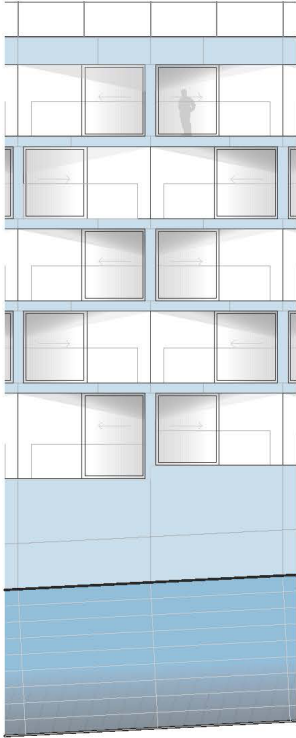
## WATER FACADE



SECTION

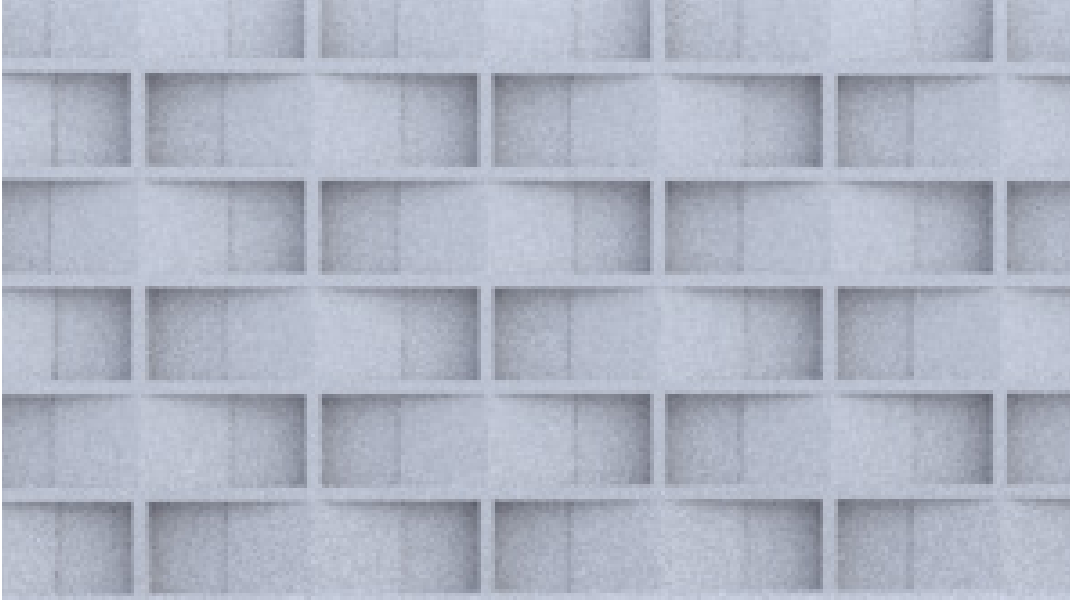


STAGE 3



# EMPHASIZING BUILDING LENGTH

WATER FACADE

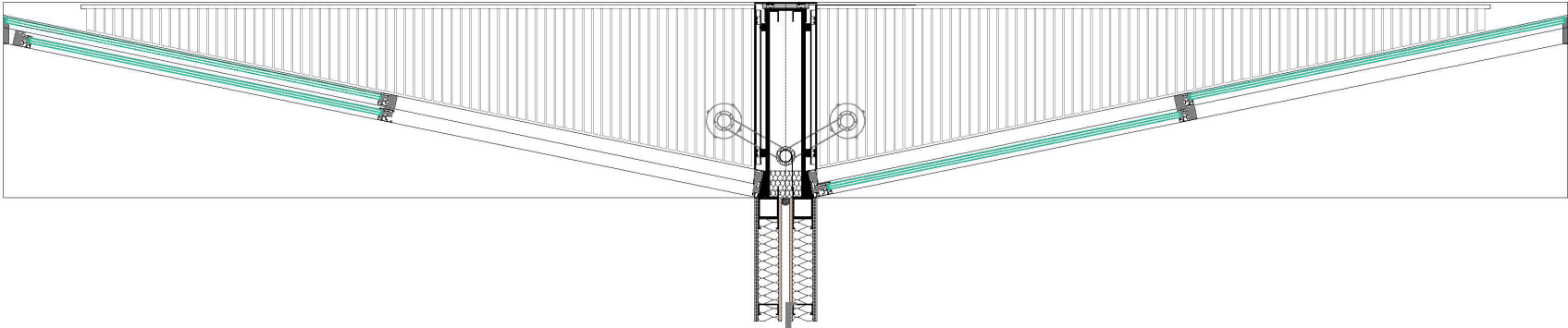


# DETAIL

PUBLIC AND PRIVATE

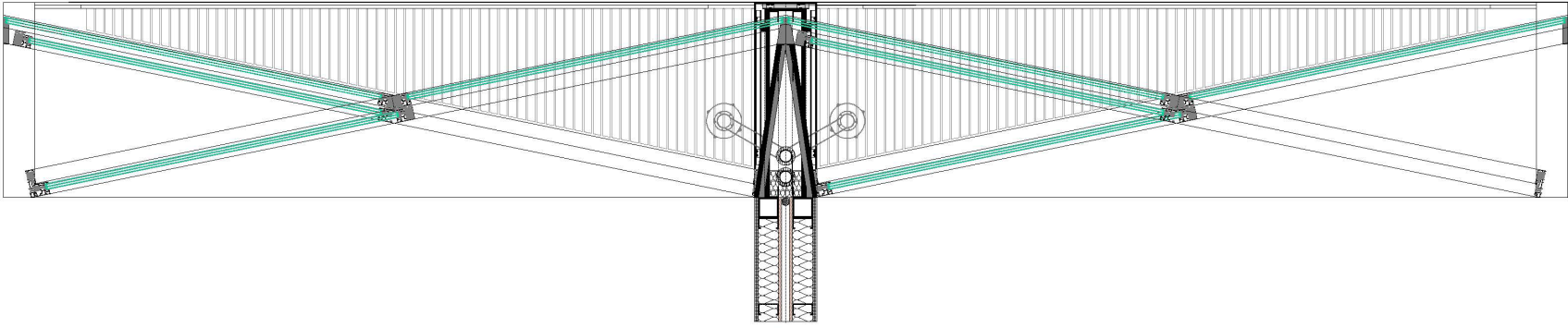
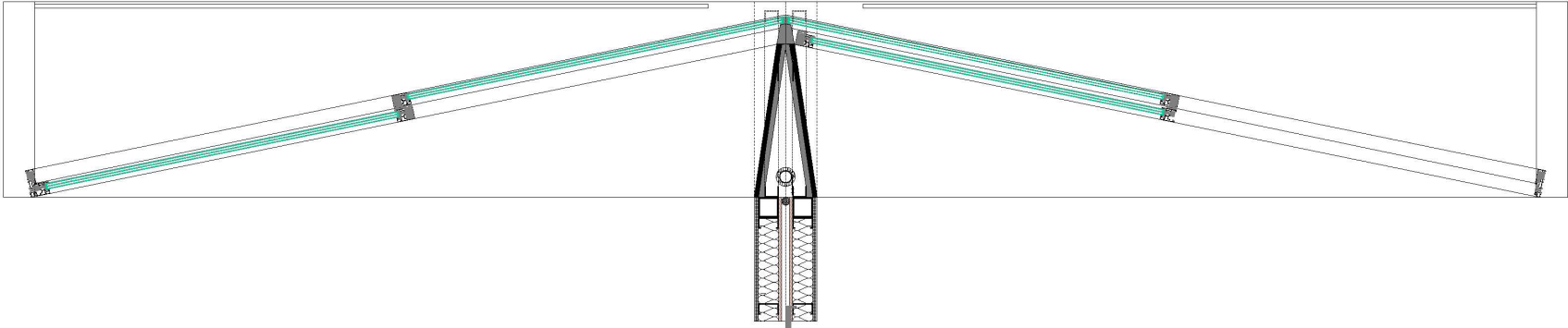


1. FLOOR



+

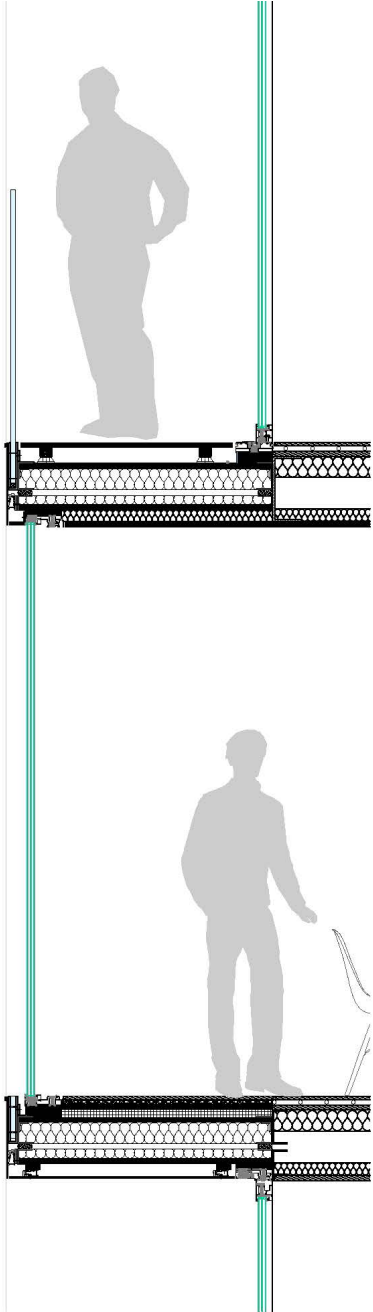
2. FLOOR





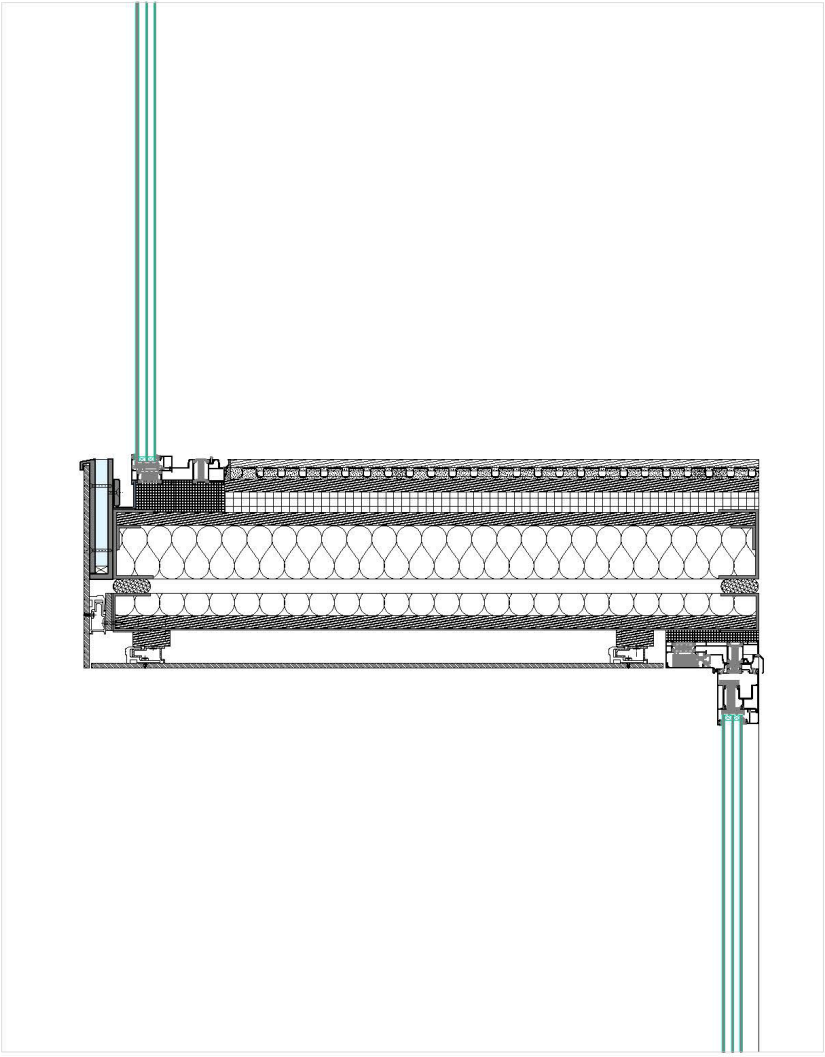
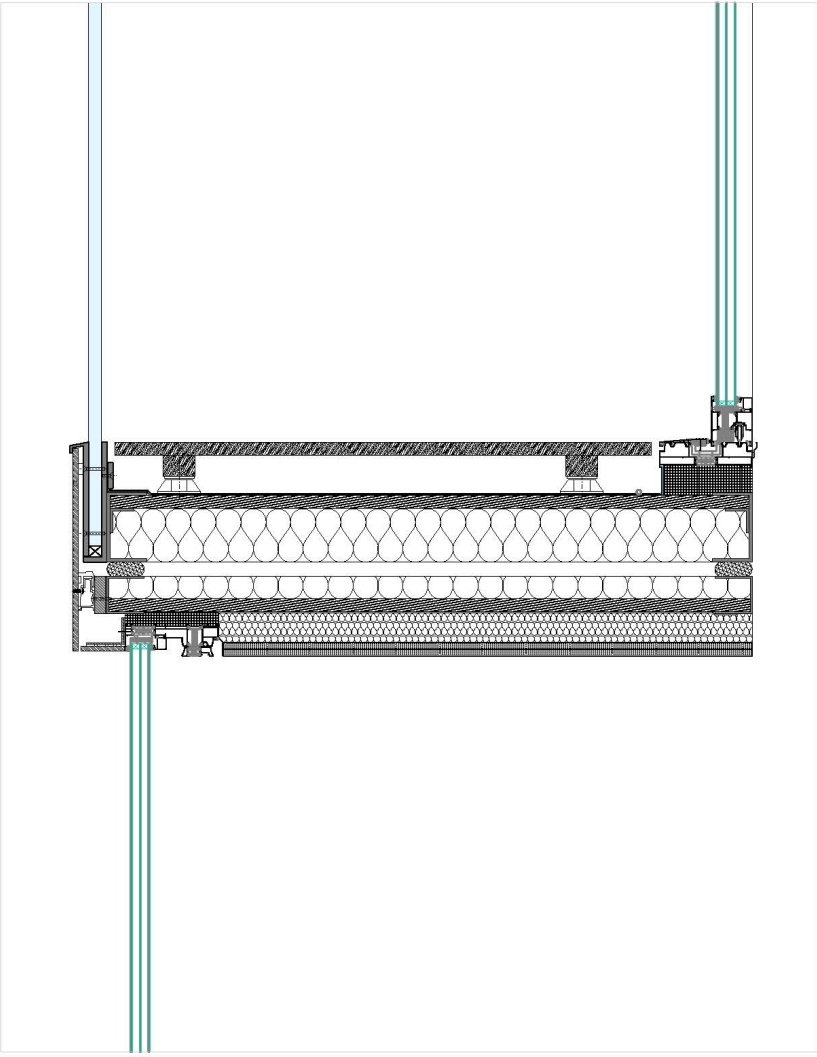
# DETAIL

## FORM - WATER FASADE



# DETAIL

## FORM - WATER FASADE



# IMPRESSION

## WATER FASADE

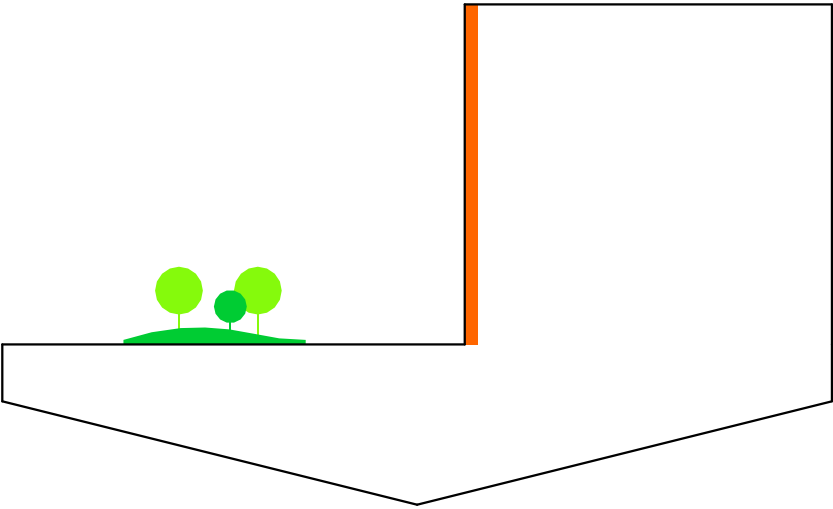






# PARK FASADES

PUBLIC SPACE = PARK



# FASADES

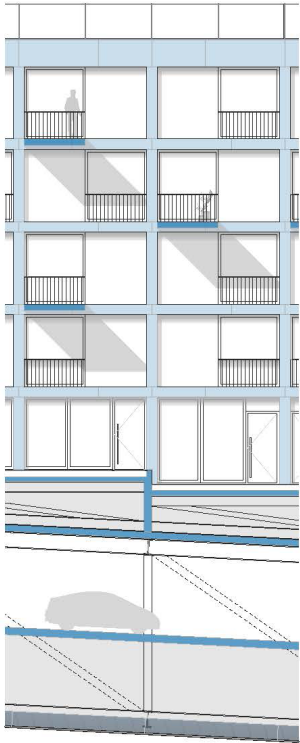
## PARK FASADES



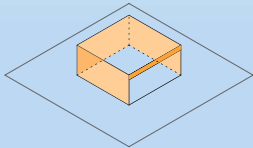
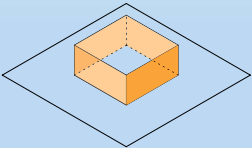
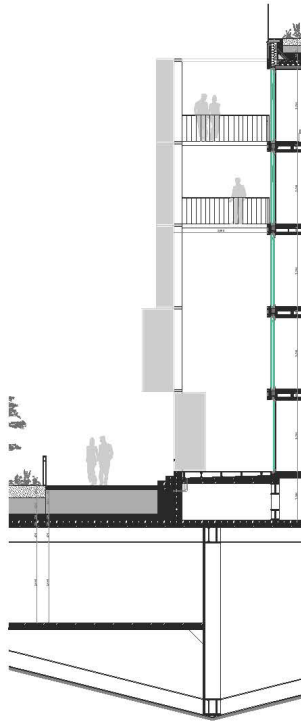
STAGE 1



STAGE 2



SECTION

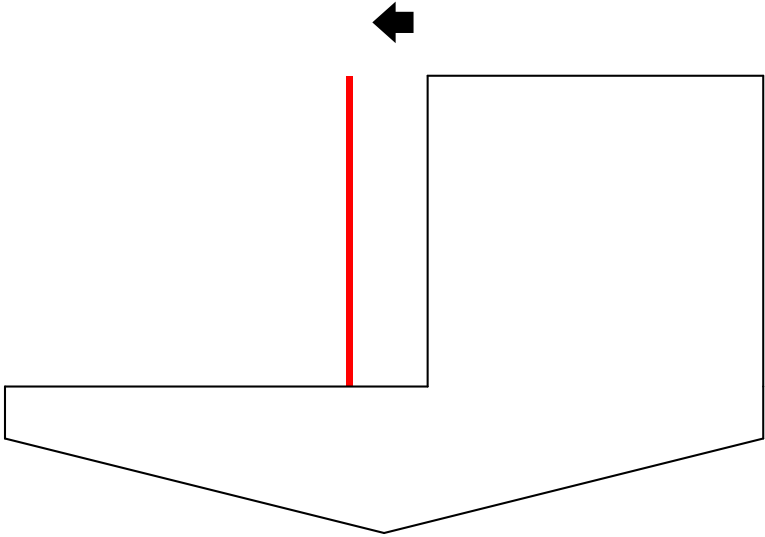


# INBETWEEN SPACE

2 FASADES



**VEIL**



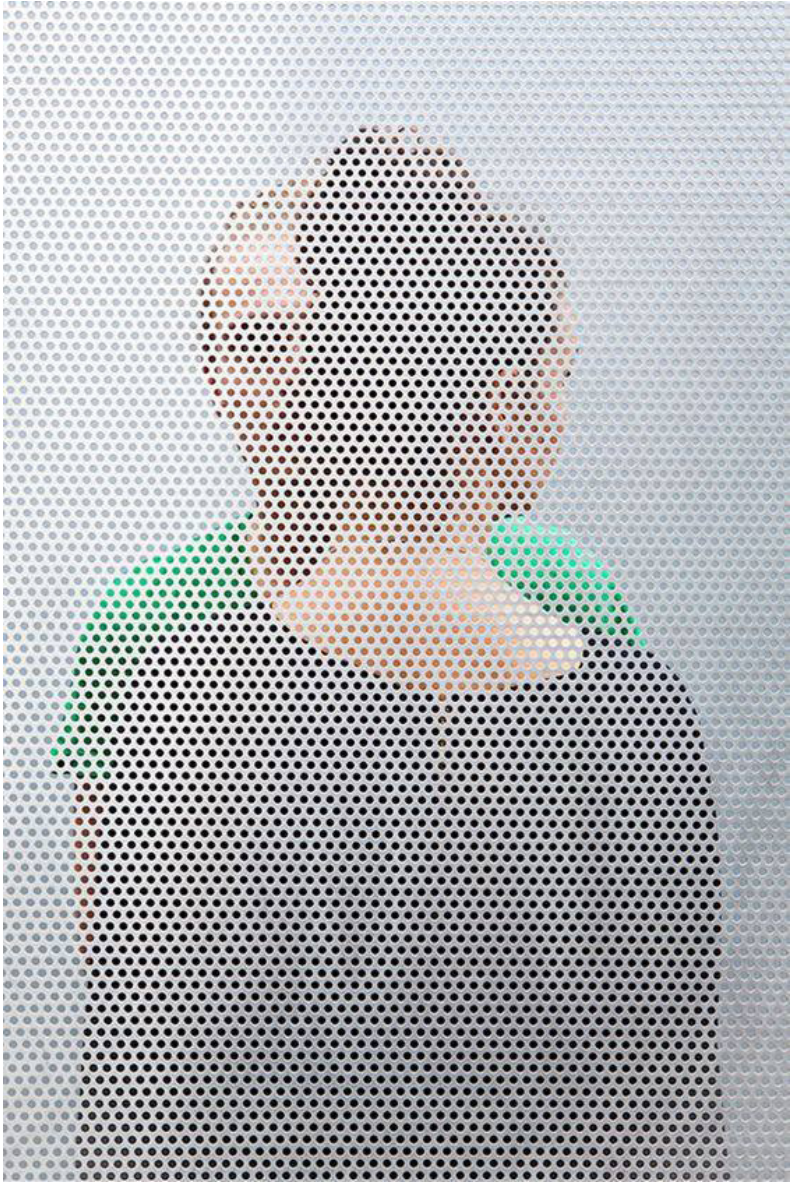


# PERFORATION

## STAINLESS STEEL

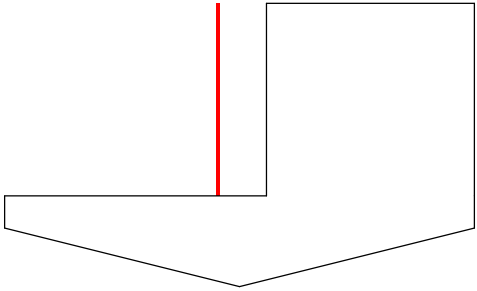


**VEIL**

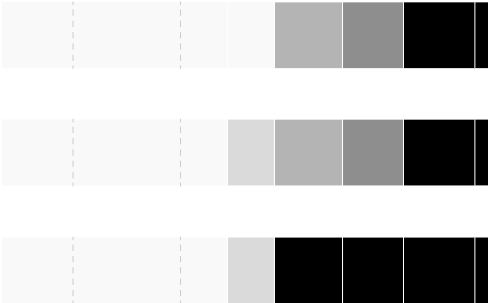
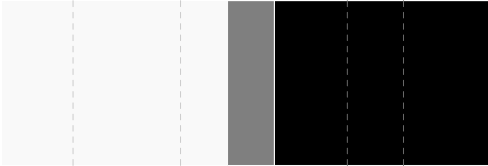


# IN-BETWEEN SPACE

INCREASE IN PRIVACY



PUBLIC SEMI PRIVATE PUBLIC

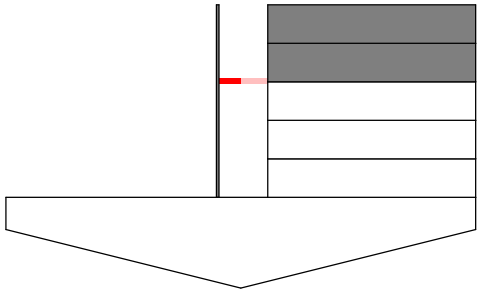
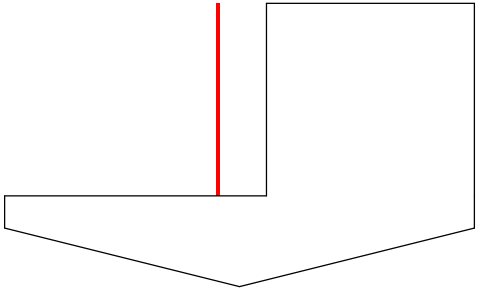


# UNITYFING

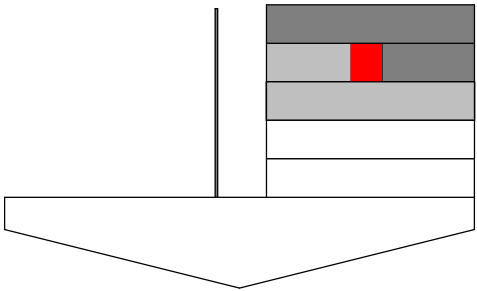
## VARIOUS ACCESSSES AND SPACES



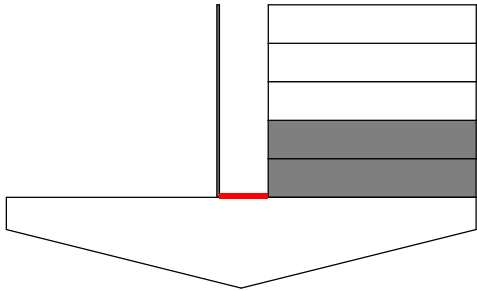
**BIG VARIATY  
WITHIN UNITY**



**GALLERIES  
BALCONIES**

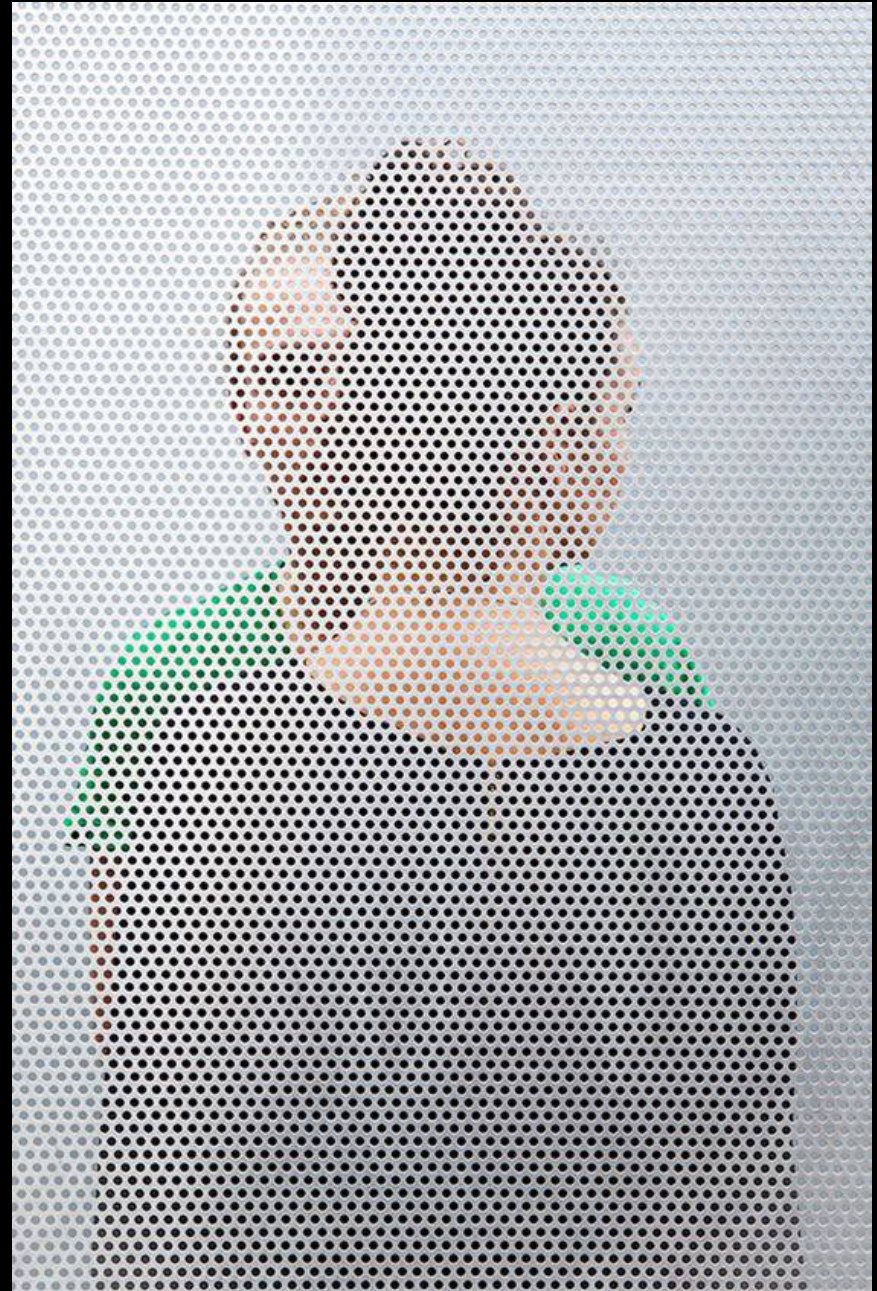


**CORRIDORS**



**GROUNDFLOOR  
TERRASSES**





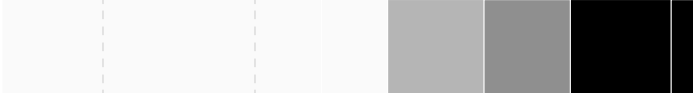
# FREEDOM OF CHOICE

## PUBLIC AND PRIVATE

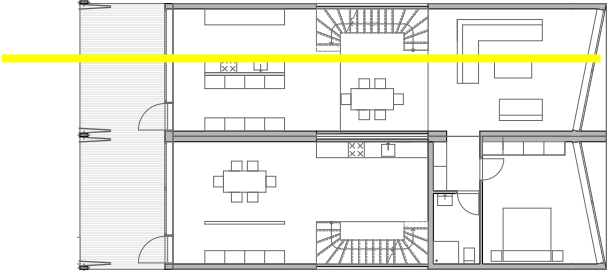


**PUBLIC**

**PRIVATE**



**OPEN**



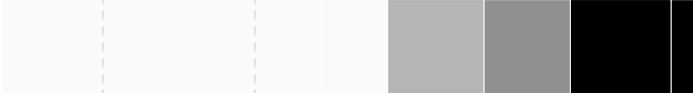
# FREEDOM OF CHOICE

## PUBLIC AND PRIVATE

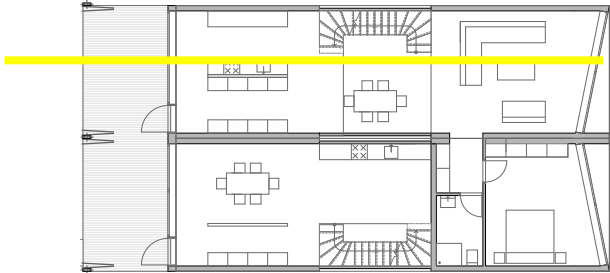


**PUBLIC**

**PRIVATE**



**OPEN**

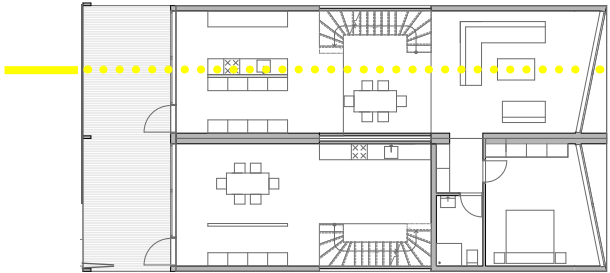


**PUBLIC**

**PRIVATE**



**CLOSED**



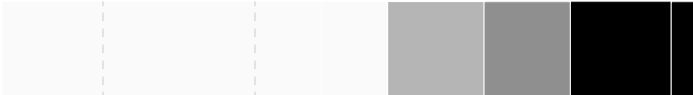
# FREEDOM OF CHOICE

## PUBLIC AND PRIVATE

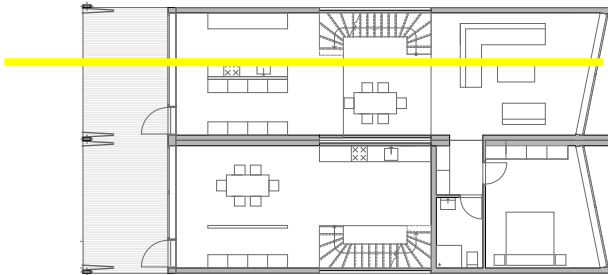


**PUBLIC**

**PRIVATE**

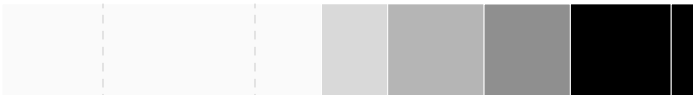


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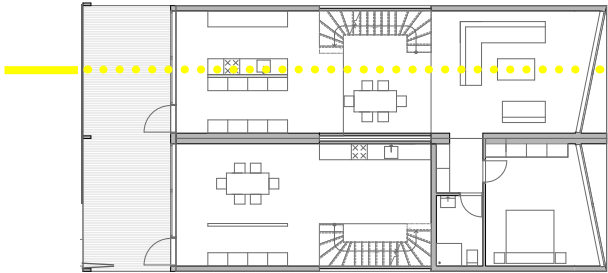


**PUBLIC**

**PRIVATE**



**CLOSED**

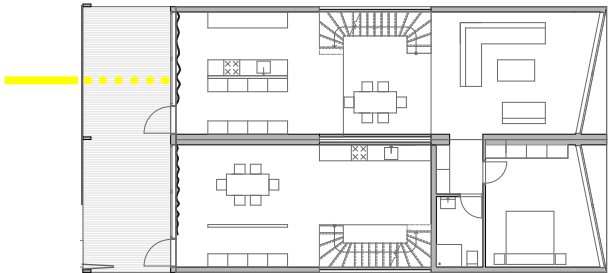


**PUBLIC**

**PRIVATE**



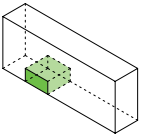
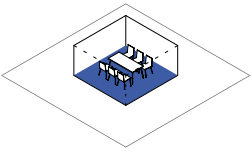
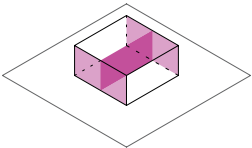
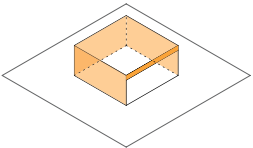
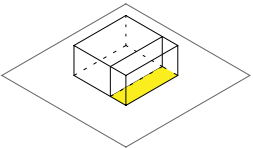
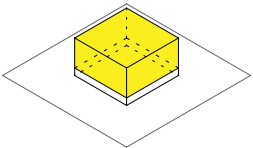
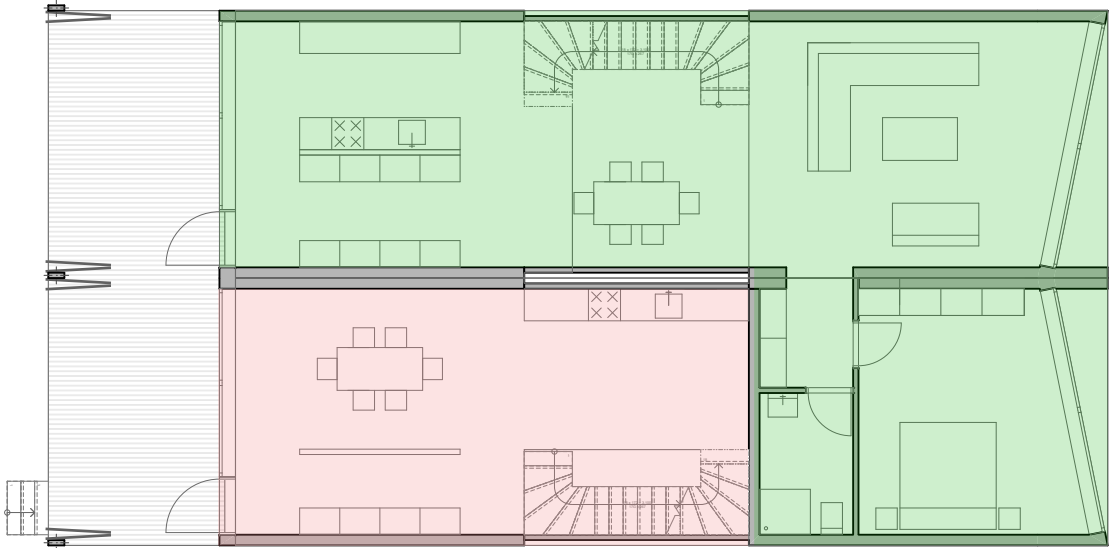
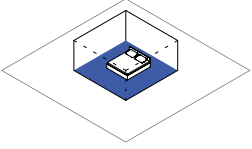
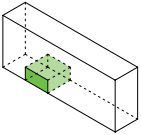
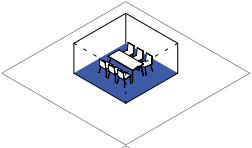
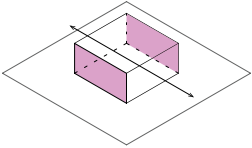
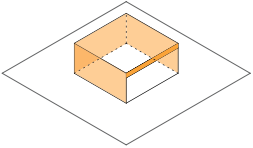
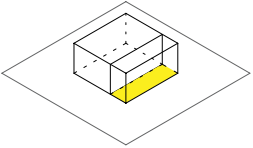
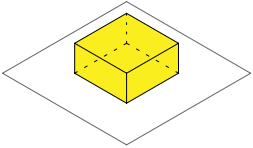
**CLOSED CURTAINS**





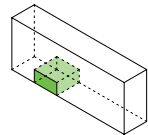
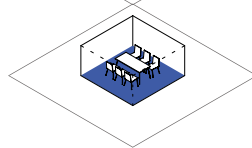
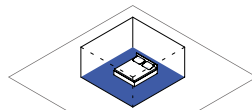
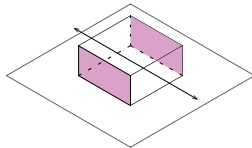
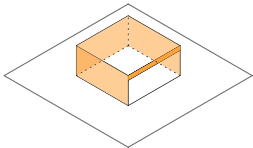
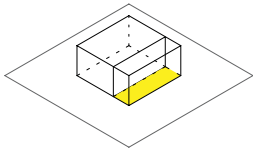
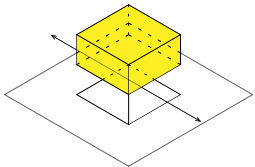
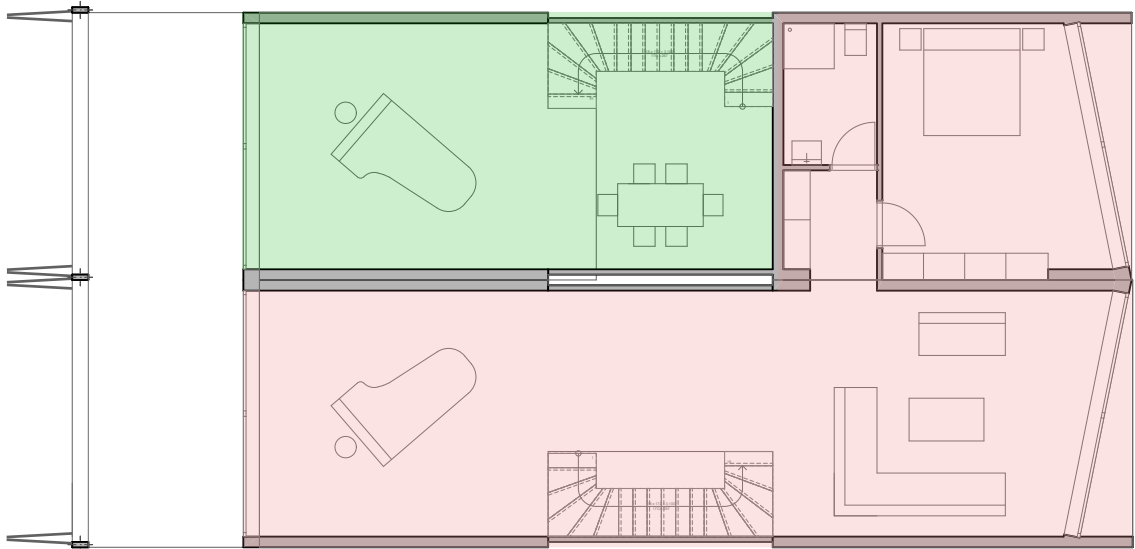
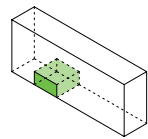
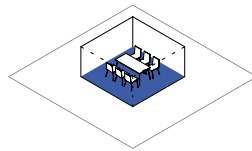
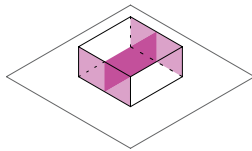
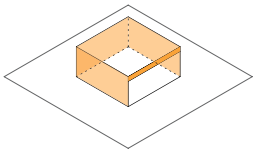
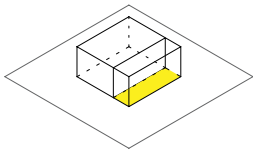
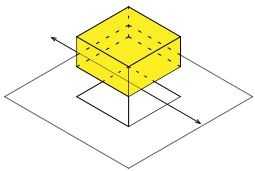
# LAYOUT V5 & V6

## PUBLIC AND PRIVATE

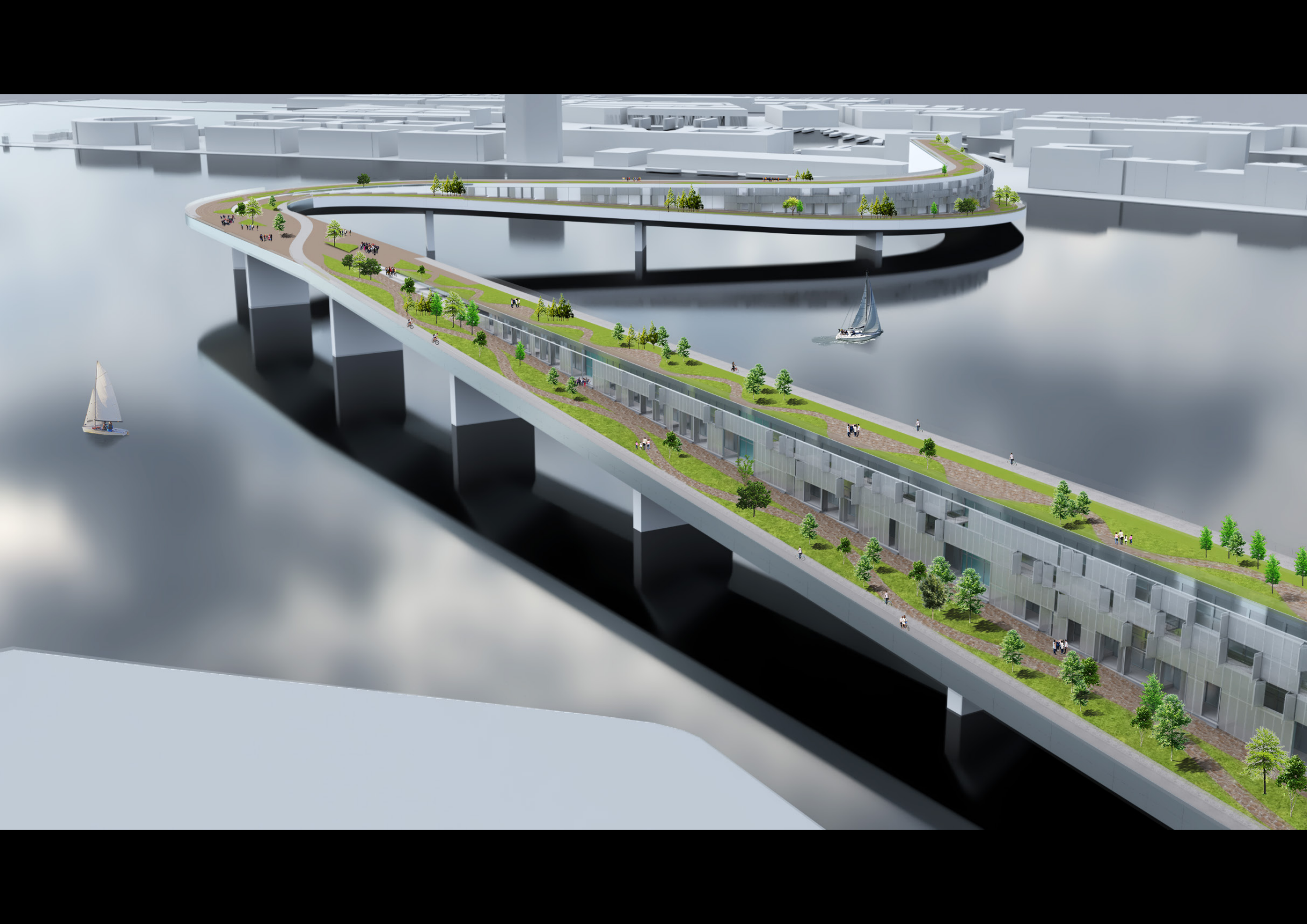


# LAYOUT V5 & V6

PUBLIC AND PRIVATE







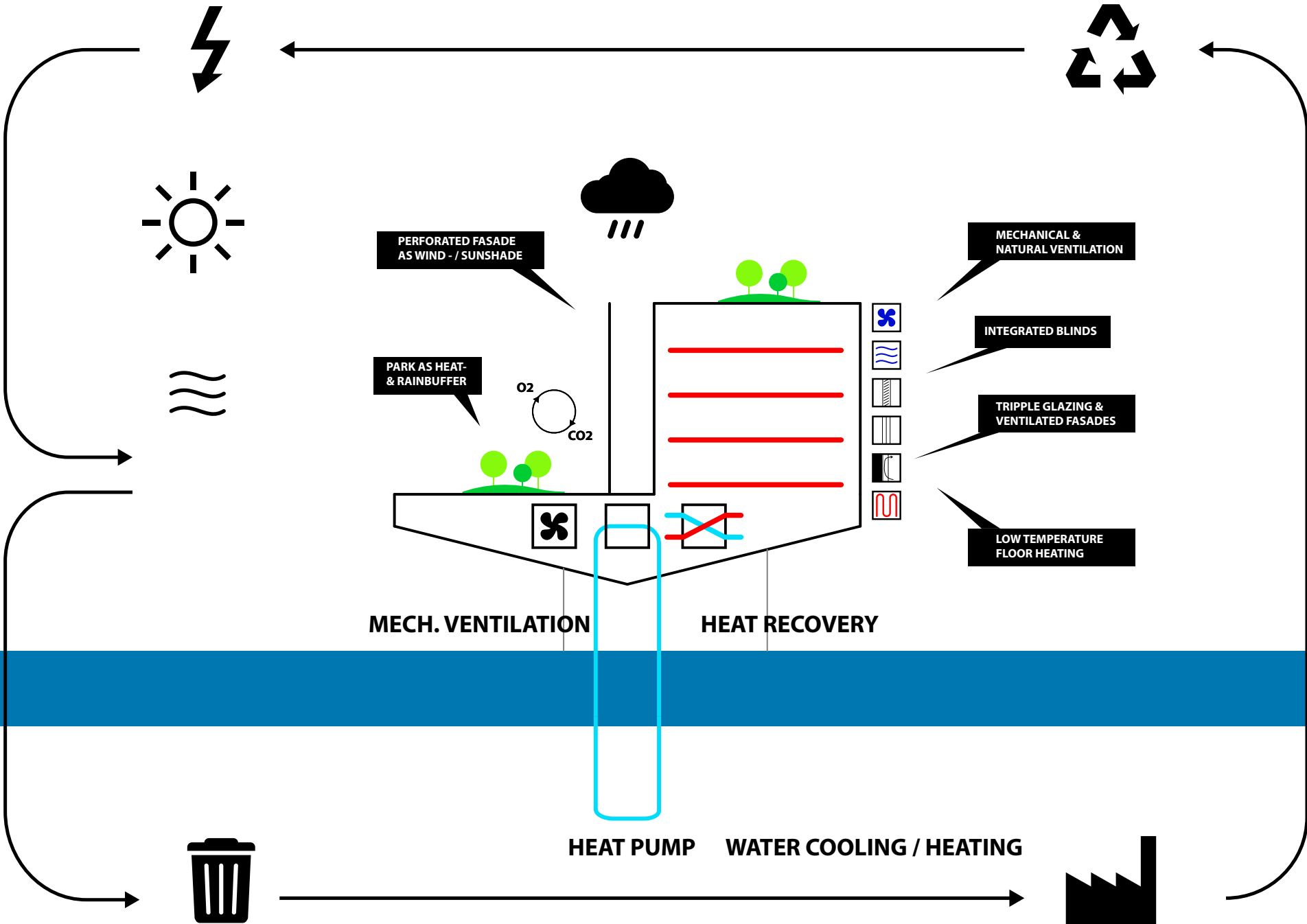
# MATERIALS

## IMPRESSION



# CLIMATE SCHEME

## SUSTAINABILITY



# CLIMATE - GREEN LOOP

## BENEFITS

### LEISURE

it is one of the key reasons for people to go to parks in a city. It is connected to socializing and relaxation and improves well-being. A good city has to provide leisure places spread around and in reachable distances for its citizens.

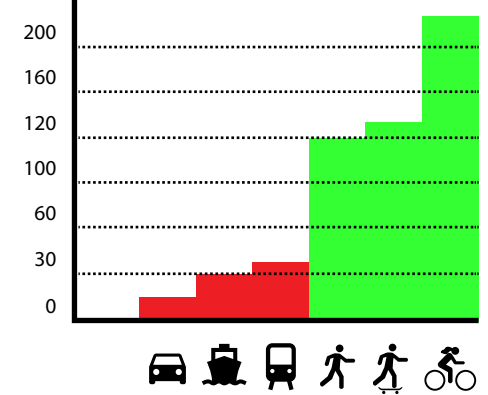


### SPORT & HEALTH

Sport and health are two closely related fields. A city has to offer safe environment - indoors as well as outdoors - for its citizens to do sport and animate them to live a healthy lifestyle.



KM TRAVELLED PER KG CO2



### CO2 - INNER CITY TRANSPORT

The goal of progressive cities and citizens, is the reduction of CO2 emissions. This promotes not only transport by public transport, but an active way of moving. In this sense, the bicycle is once again the forerunner.



### GREENERY

Nature is an important part of our life. Not only that plants produce the oxygen we breath, but also being visually connected to nature on a workplace increase productivity.

### HEAT AND RAINBUFFER

Greenery also improves the climate within the city. If city greenery covers a sufficient amount of sqm it significantly reduces urban heat and acts as rainbuffer

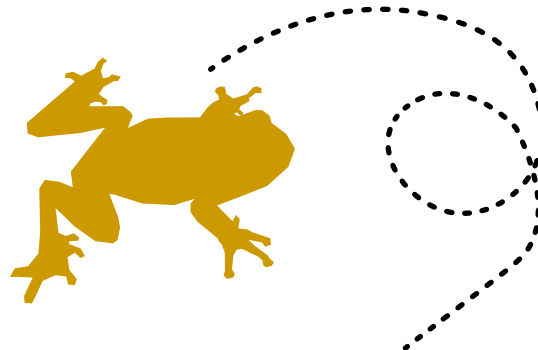
### LEISURE

it is one of the key reasons for people to go to parks in a city. It is connected to socializing and relaxation and improves well-being. A good city has to provide leisure places spread around and in reachable distances for its citizens.



### MIGRATION

Animal migration in the built environment is only limited within parks and optional biocorridors. The danger of traffic does not allow certain species to migrate. This has a direct impact on biodiversity.

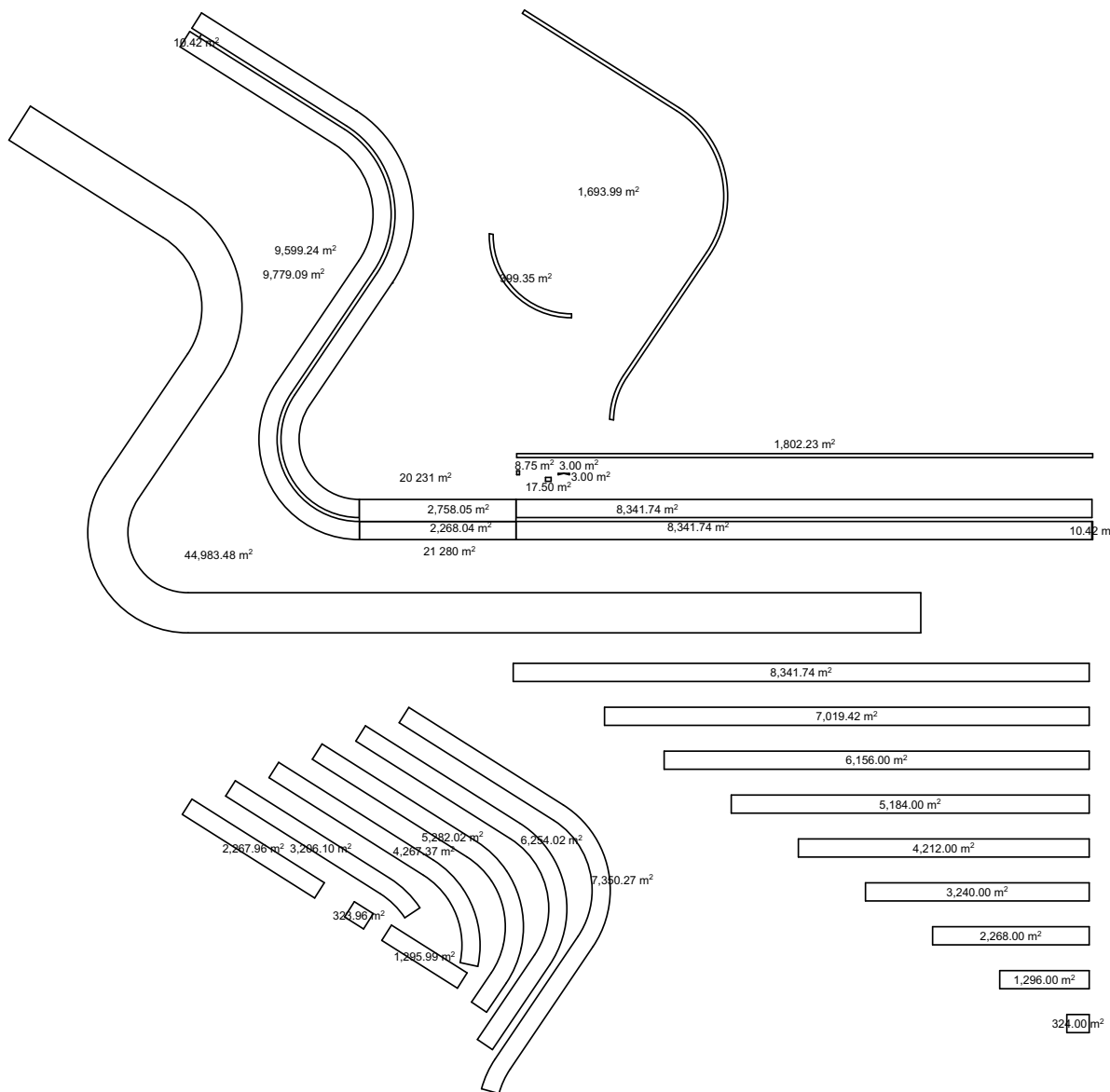
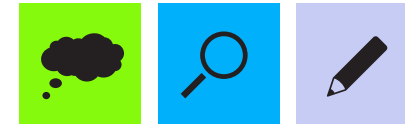


### MOBILITY

The goal of progressive cities and citizens, is the reduction of CO2 emissions. This promotes not only transport by public transport, but an active way of moving. In this sense, the bicycle is once again the forerunner.

# REFLECTION sqm

## EXPANDING UNIVERSES ON SHRINKING FOOTPRINTS



IJ area = **44 984 m2**

2\*4 230 m2

+ 11\*60 m2

footprint = **9 120 m2**

44 984 m2

- 9 120 m2

perserved public space = **35 864 m2**

21 280 m2

+ 20 231 m2

new public space = **41 511 m2**

3 896 m2

+ 16 625 m2

+ 570 m2

private outdoor spaces = **21 097 m2**

indoor space = **91 680 m2**

new public space 41 511 m2

private outdoor spaces + 21 097 m2

indoor space + 91 680 m2

building = **154 288 m2**

perserved public space + 35 864 m2

dealt with an area of = **190 152 m2**



# DESIGN GOALS

## EXPANDING UNIVERSES ON SHRINKING FOOTPRINTS



<b>Urban strategy</b>	<b>design site-specific &amp; in harmony with Amsterdams' future plans</b>
<b>Building</b>	<b>expand universe / densify inner city on small footprint   implement my research   diversity in unity   attractive building-method   freedom of choice</b>
<b>Dwelling</b>	<b>transition between public and private adaptable for future lifesituation   freedom of choice</b>
<b>Detail</b>	<b>transition between public and private adaptable for future lifesituations</b>

# ACHIEVED QUALITIES

EXPANDING UNIVERSES ON SHRINKING FOOTPRINTS



**SITE SPECIFIC DESIGN**

**AMSTERDAM FUTURE PLANS**

**PROMOTING HEALTHY LIFESTYLE AND BIKE**

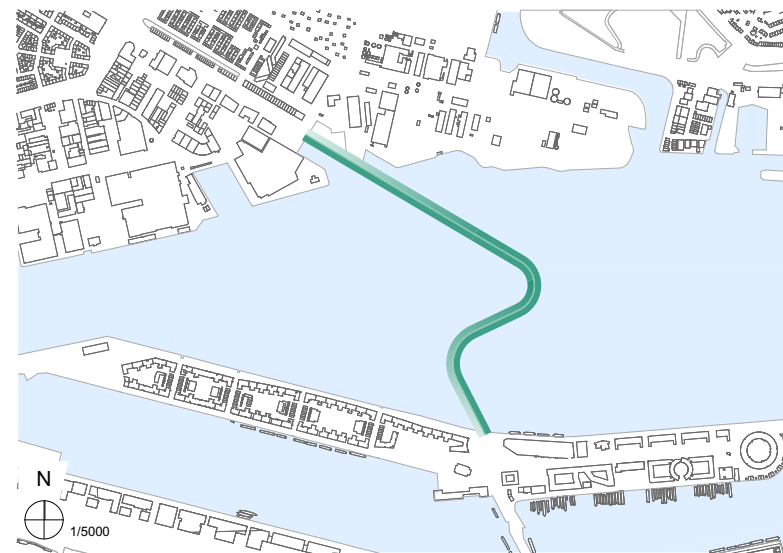
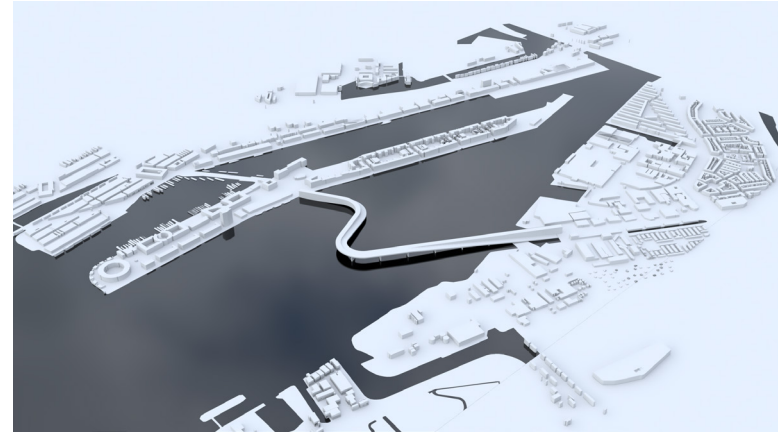
**VARIOUS ROUTES FOR BIKING & WALKING  
& SHIPS**

**CAMPTURING BIG PANORAMA AND VIEW  
ON SURROUNDINGS**

**EXPANDED PUBLIC SPACE +  
DENSIFIED THE INNER CITY  
ON VERY SMALL FOOTPRINT OVER THE IJ**

**BUILDING PREFABRICATION IN  
CONTROLLED ENVIRONMENT**

**ADAPTABILITY FOR FUTURE LIFESITUATIONS**



# ACHIEVED QUALITIES 2

EXPANDING UNIVERSES ON SHRINKING FOOTPRINTS



**DIVERSITY IN UNITY**

**FREEDOM OF CHOICE (LIVING & CROSSING)**

**UNITY IN DIVERSITY**

**FASADE ARE FAMILY (SAME DNA)**

**DWELLINGS ARE FAMILY (SAME DNA)**

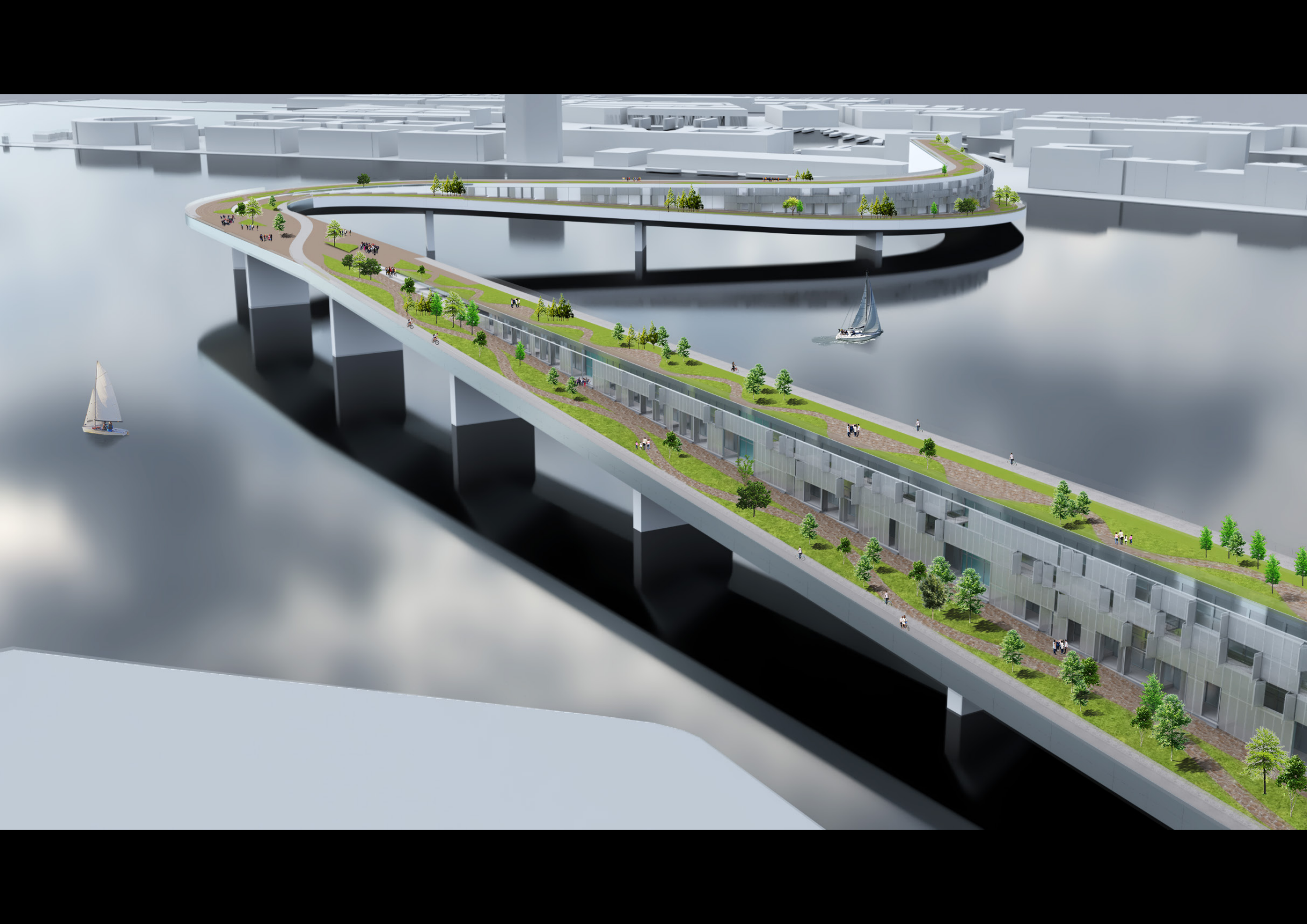
**LABORATORY FOR RESEARCH RESULTS**

**VIA BUILDING FORM / PLANS / ACCESSES / FASADES  
/ ETC**

**MAXIMIZED VIEW WHILE MAINTAINING PRIVACY**

**UNIQUE LIVING AND PARK EXPERIENCE**



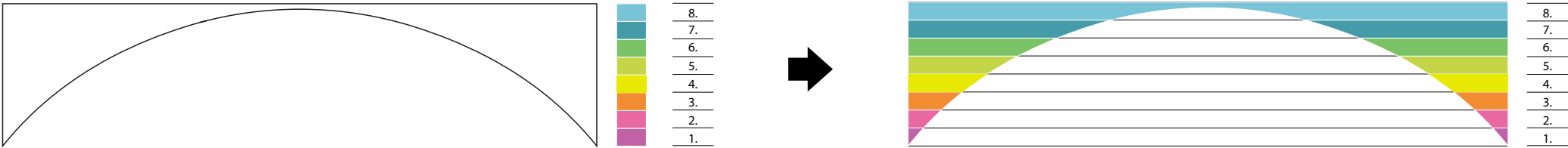




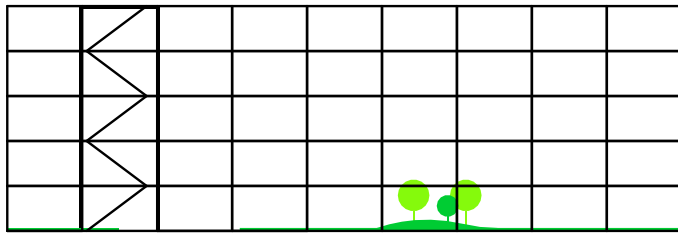
Thank you.

# CORRIDORS & PUBLIC CEILINGS

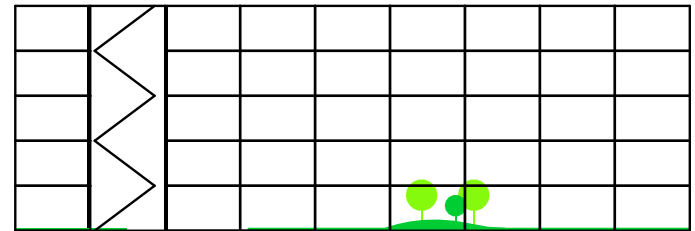
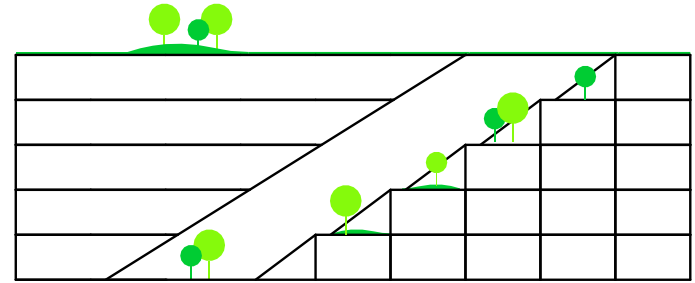
## USE OF COLOR



CEILINGS OF PUBLIC AREAS AND CORRIORS ARE COLORED FOR IDENTITY AND PERSONALIZATION PURPOSES



**UNINVITING**



**INVITING**



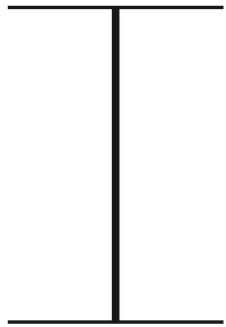


# DESIGN CHALLENGES

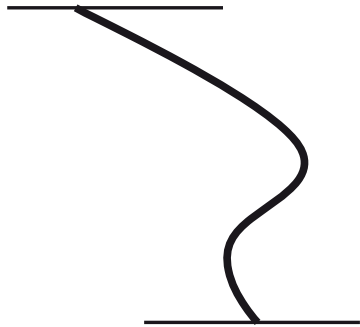
## EXPLANATION DIAGRAMS



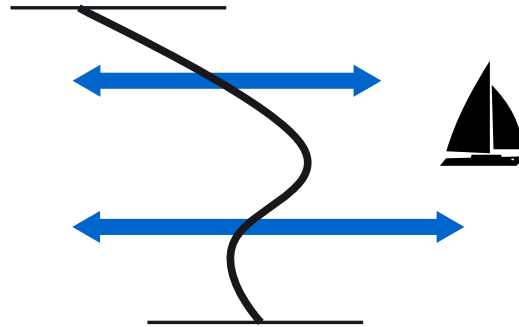
**FRAMEWORK FOR SYSTEMATIC DESIGNING**  
Application of systematic framework, which i developed during my research process.



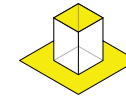
**CONNECTION**



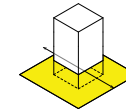
**BIKE FRIENDLY**



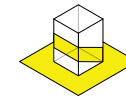
**SHIP TRANSPORT**



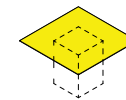
combination of functions via basketbar



private space elevated above ground level

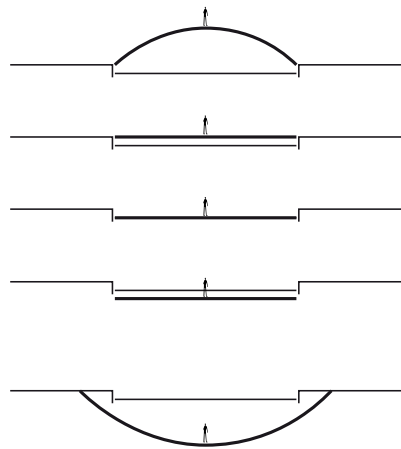


public/private throughout the building

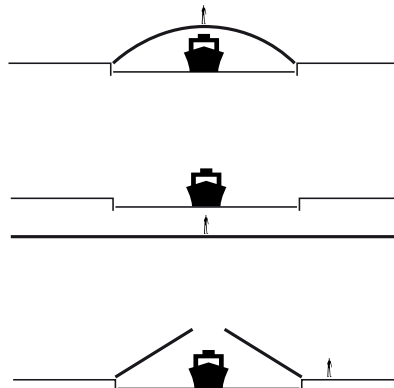


private space below ground level

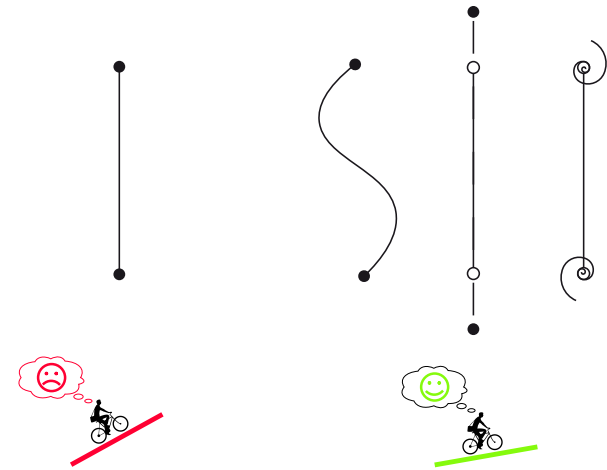
**public/private**



**built connection**

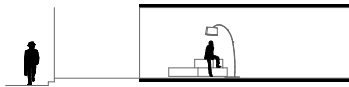
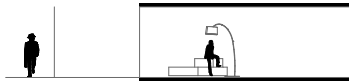
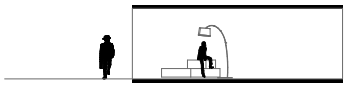


**enable shiptransport**



700m (>6%)

1200m (<6%)



BASIC MODUL



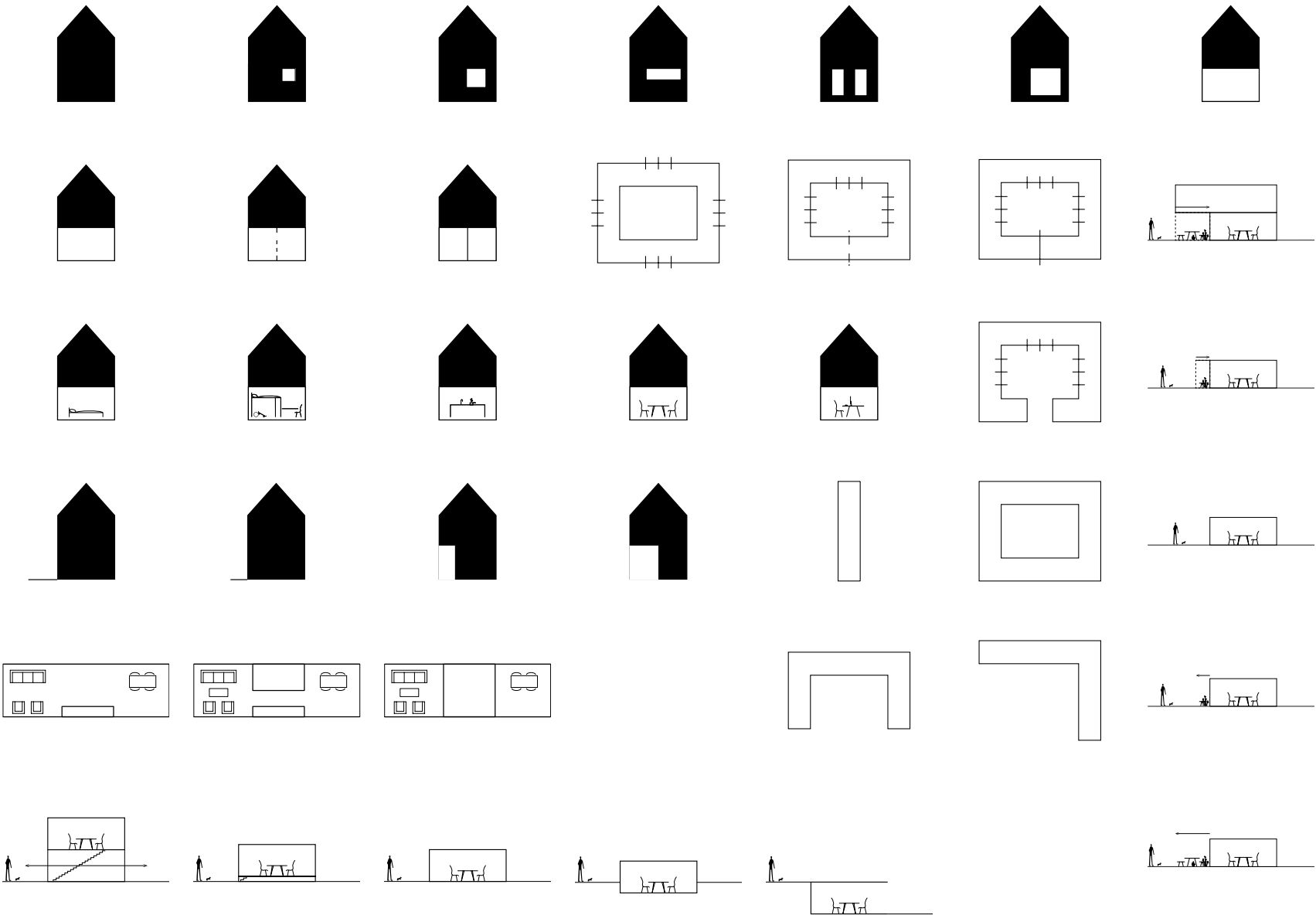
KEEP FASADE  
MAX OPEN



SECONDARY  
SPACES

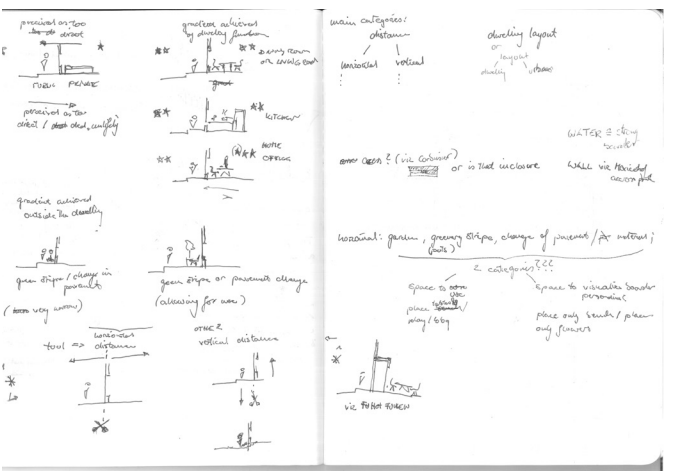
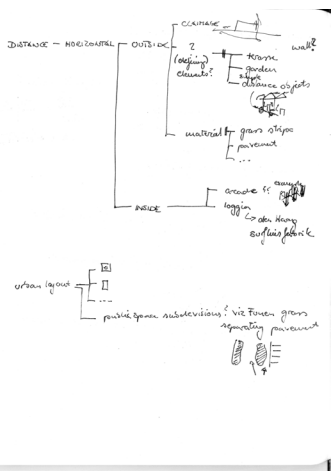
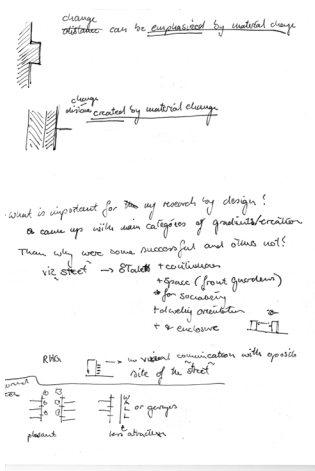
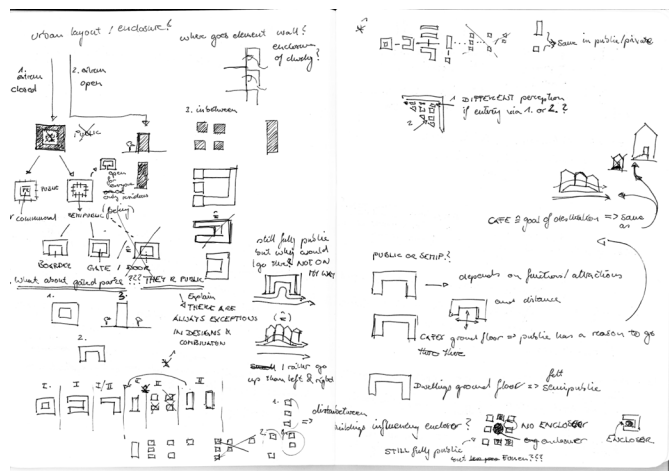
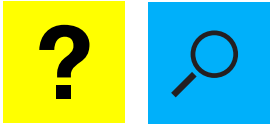
# RESEARCH

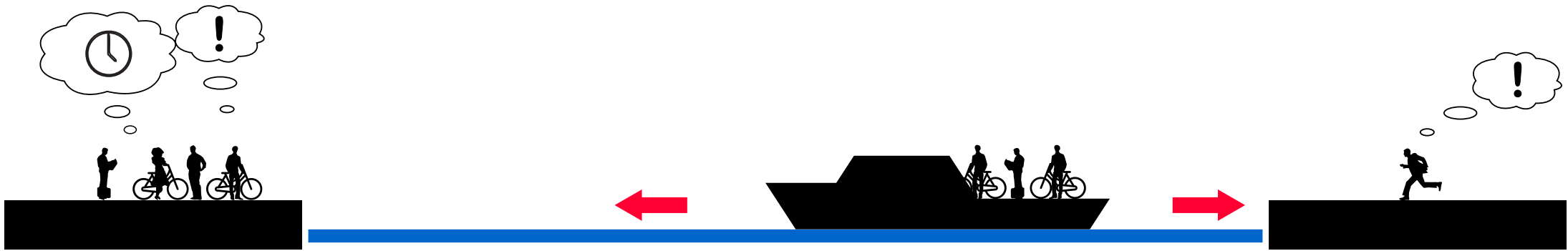
## OBSERVATION ILLUSTRATION



# RESEARCH METHOD

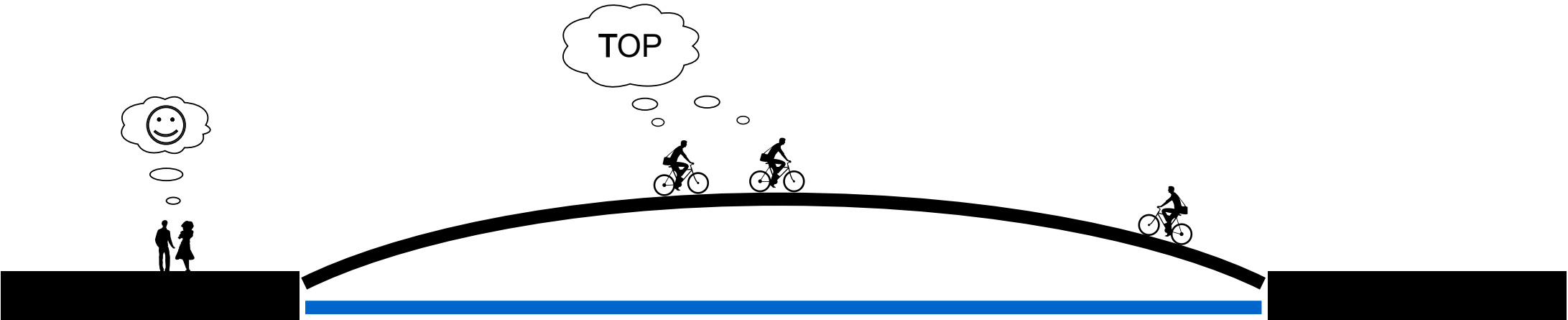
## ACTUAL PROCESS





# BUILT CONNECTION

BENEFIT



# SHAPE SCHEMES

## HEIGHT SECTIONS

