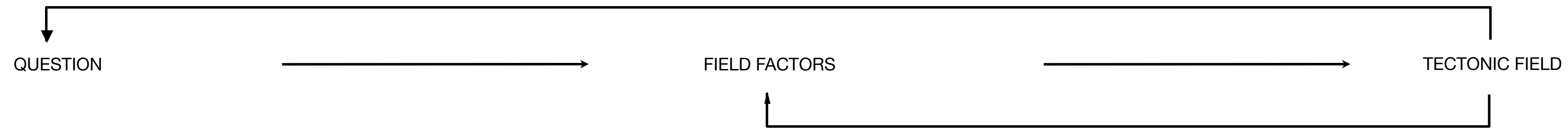


**EXPLORELAB IX – PRESENTATION P5**

**WILLEM JONATHAN KOK**





## **A. INTRODUCTION**

fascination

study area

project description

problem statement

framework

## **B. RESEARCH**

## **C. DESIGN**

natural spaces, the small architectural object,



and thinking about the wellbeing of people

**FASCINATION**

# **GEMEENTEMUSEUM, THE HAGUE**

**HENDRIK PETRUS BERLAGE**

**TOTAL ART: SYMMETRY, PROPORTION, RHYTHM**

**MASS, RELIEF EN SILHOUETTE**

**ESTHETIC USE OF MATERIALS**

**TRANSITION BETWEEN STREET AND MUSEUM, SLOWING DOWN..**

**A DEPENDANCE  
+  
ITS PUBLIC SPACE**

**AROUND THE HAGUE CENTRAL STATION**



Bernhardviaduct

Rijnstraat

Busplatform

New Babylon

Ministerie van VROM

Hoftoren

Ministerie van Onderwijs

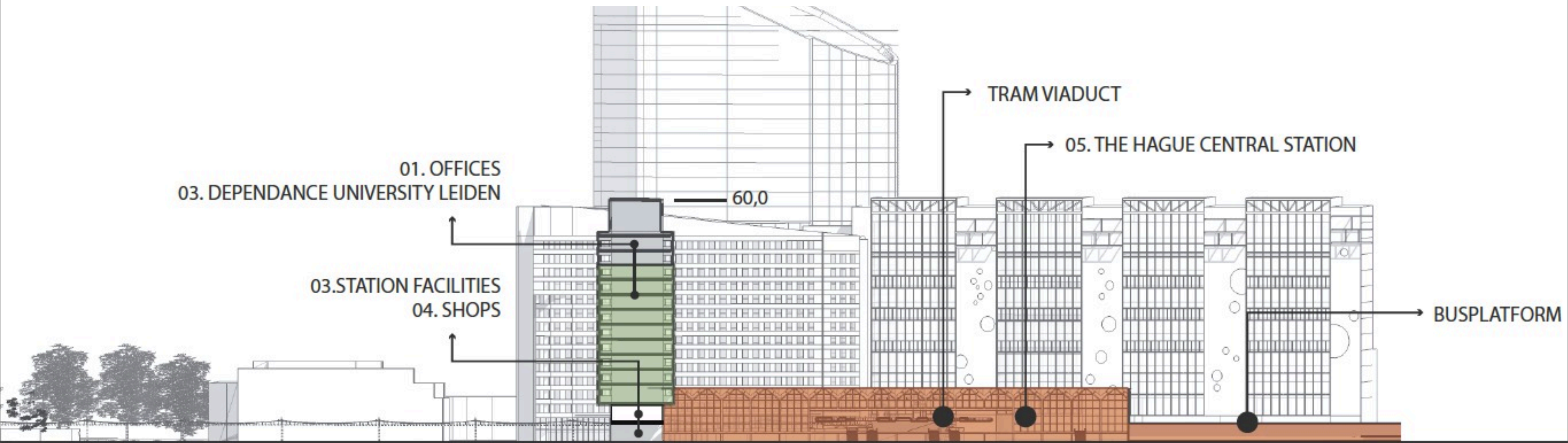
Centraal Station

Koningin Julianaplein

Koekamp

**STUDY AREA**

THE HAGUE CENTRAL STATION



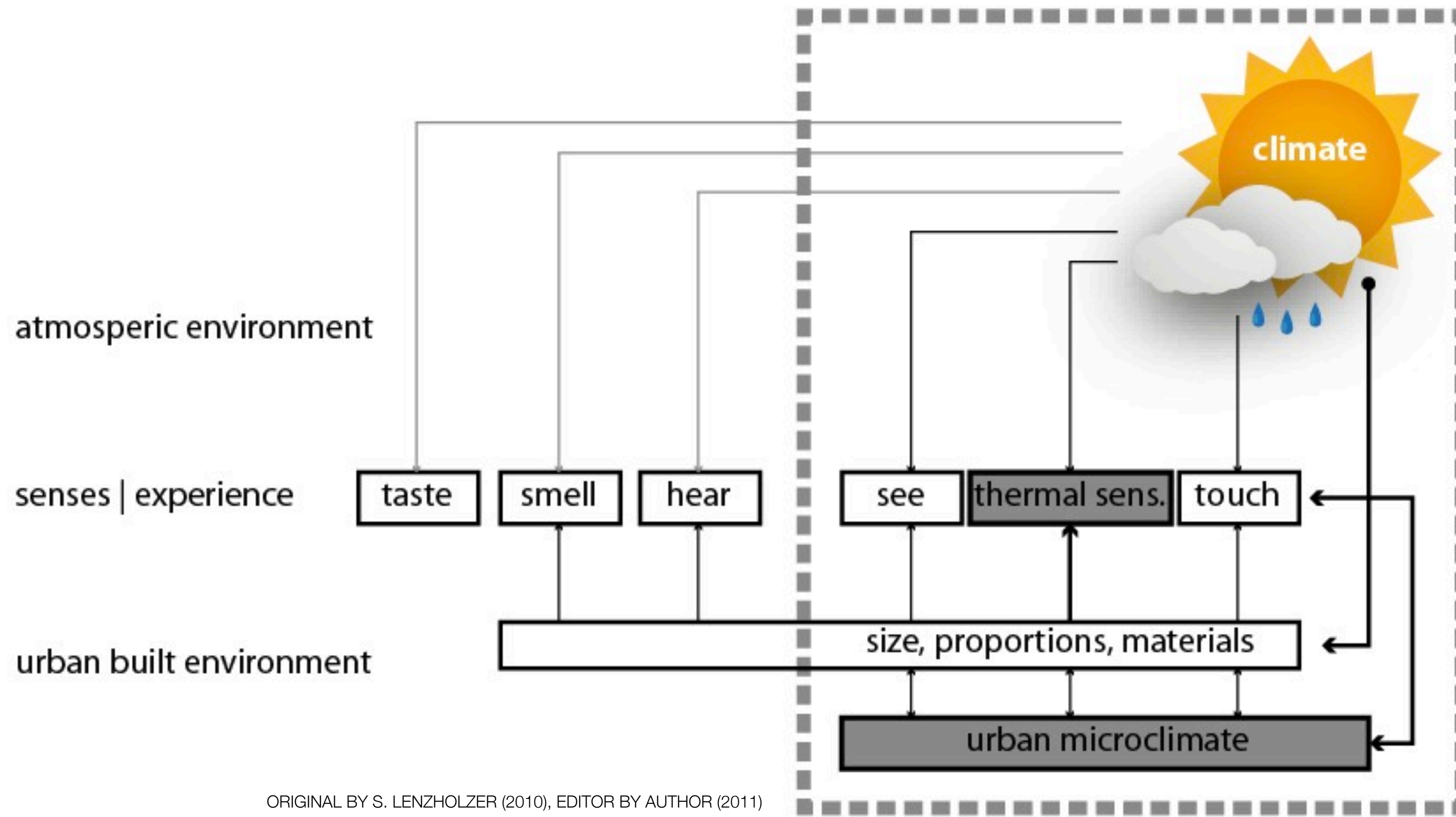
**STUDY AREA**  
THE HAGUE CENTRAL STATION

**LIFE (ACTIVITY) AROUND THE HAGUE CS IS  
HAPPENING WITHIN AN OUTDOOR CLIMATE**

THE OUTDOOR CLIMATE CAN BE 'INFLUENCED'  
WITH SHADING, VEGETATION AND WATER  
AROUND THE BUILDINGS



# FOCUS OF RESEARCH



**habitable space**  
provides

1. thermal comfort
2. visual comfort
3. acoustic comfort

related to the human use

## FRAMEWORK

**I. HABITABILITY**

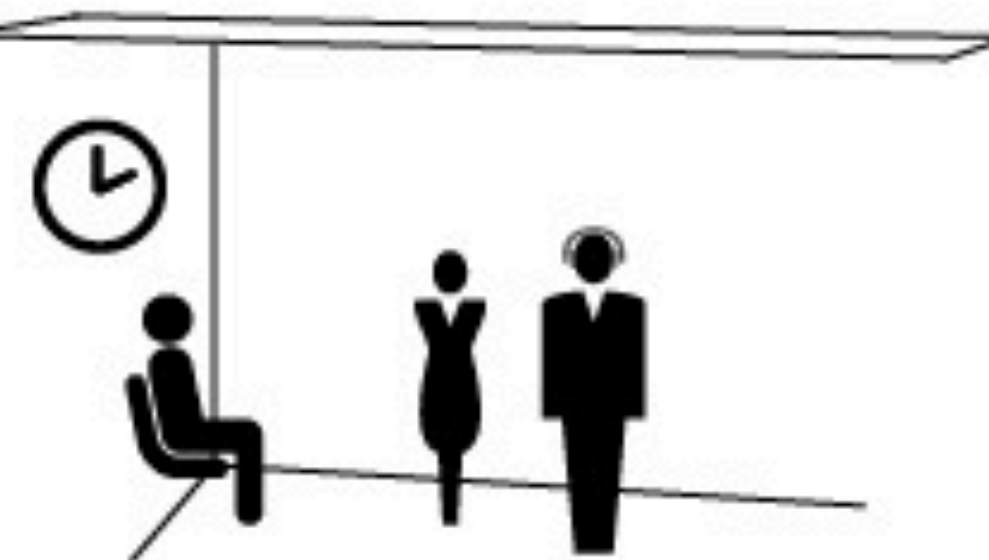
**2. SHORT DURATION ACTIVITIES  
AND FLOWS**

Moving

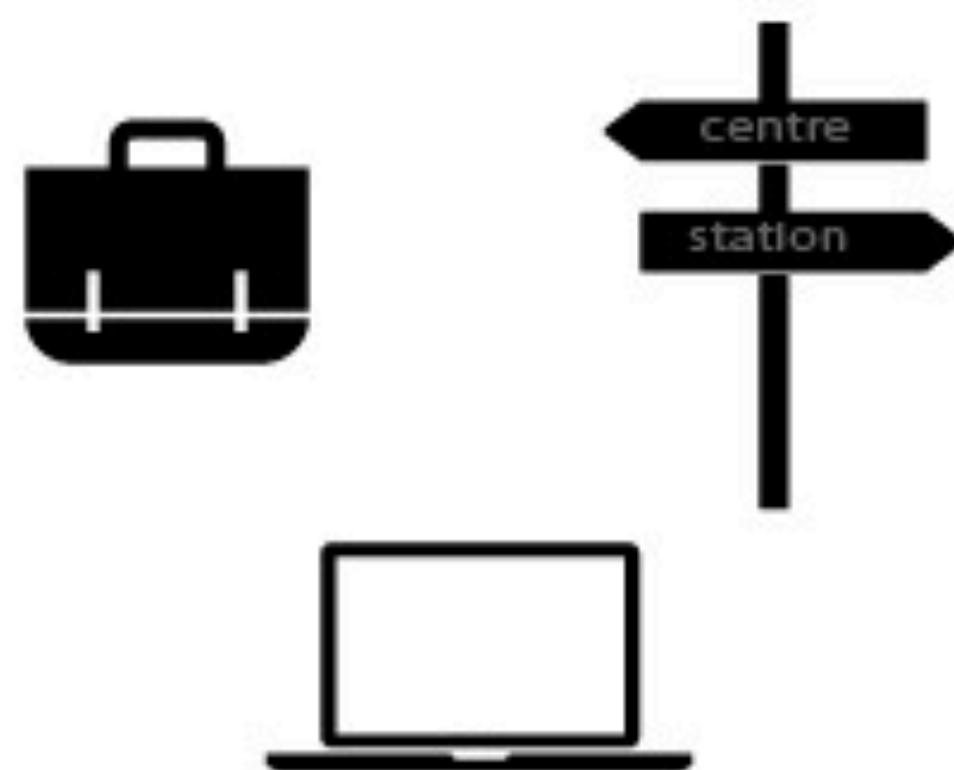
Waiting

Staying

Activity



Action



Time

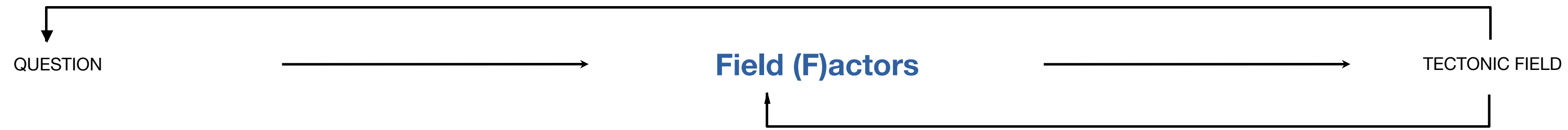
< 3 min.

2 - 15 min.

> 15 min.

## HOW TO IMPROVE THE HABITABLE CONDITIONS AROUND THE HAGUE CENTRAL STATION?

- What are the preferred characteristics of urban interior settings, micro-climates and health?
- Which architectural instruments can be applied which contribute to a micro climate responsive system?



## **B. RESEARCH**

methodology

field observation

analysis

project strategy

DESIGN  
GUIDELINES

- REFERENCES



**PATIO OF THE COURTHOUSE, GAND**

DESIGN  
PREFERENCES

- FIELD TRIPS



**CAFE ENGELBECKEN, BERLIN**

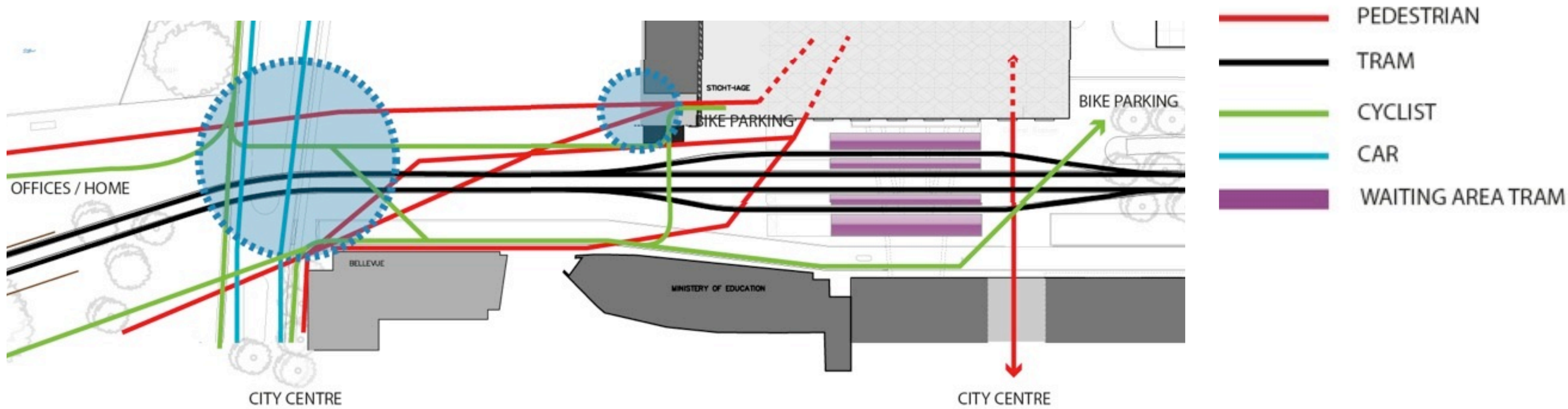
DESIGN  
CRITERIA

- FIELD OBSERVATION



**LOCATION + KOOLHAAS' PROPOSAL**

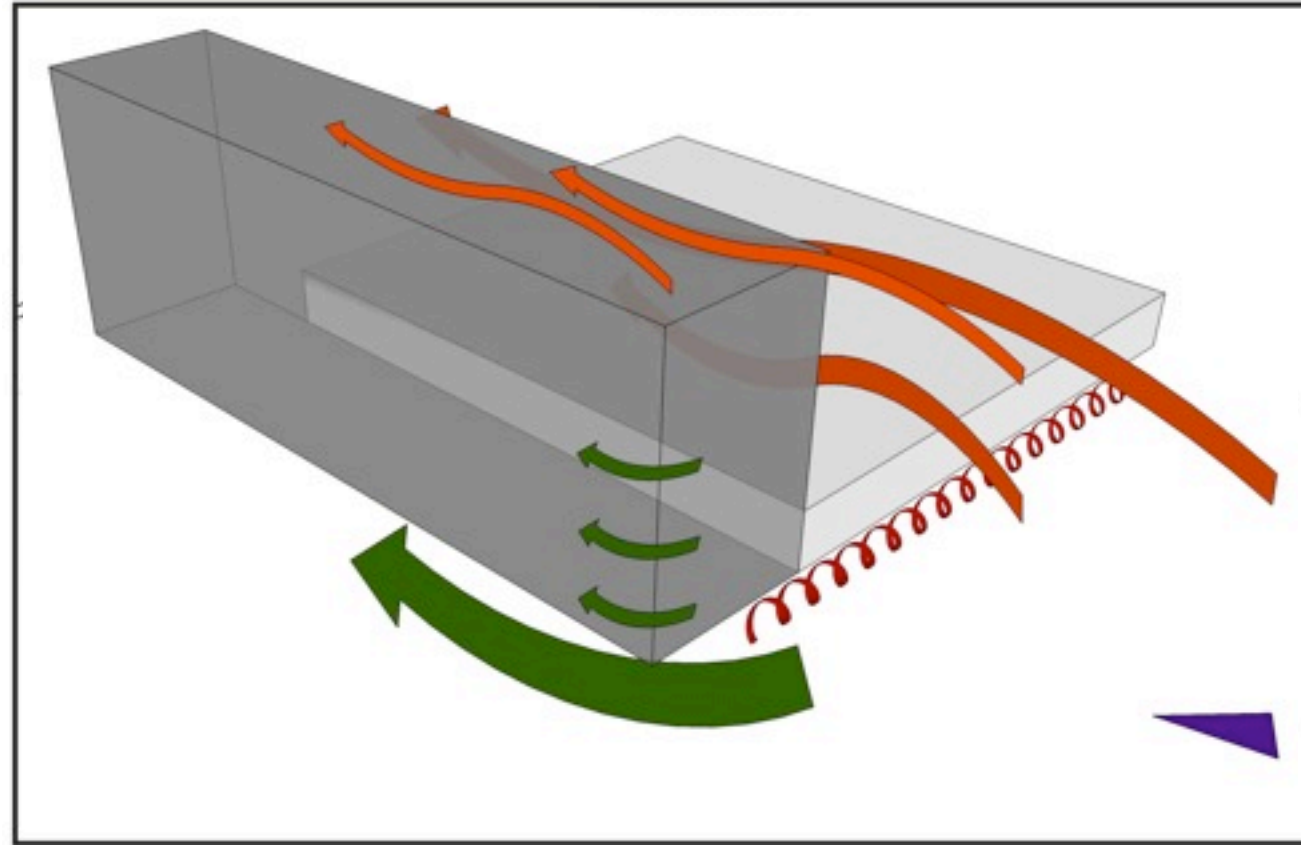




OBSERVATION	INTERVENTION
1. MAJORITY IN PAVEMENT AND STONE, LACK OF GREENERY	<p style="text-align: center;"><b>ENHANCE ROUTING</b></p> <p style="text-align: center;"><b>RELOCATE ENTRANCES</b></p> <p style="text-align: center;"><b>ADD PUBLIC AMENITIES</b></p> <p style="text-align: center;"><b>IMPROVE MICROCLIMATE</b></p>
2. NO POSSIBILITY TO CHOOSE IN SHELTER OR ROUTE	
3. JUNCTION POINT OF MANY FLOWS	
4. NO FACILITIES AND AMENITIES TO STAY OR WAIT OUTSIDE	
5. UNCLEAR CONNECTION TO LEISURE FACILITIES	

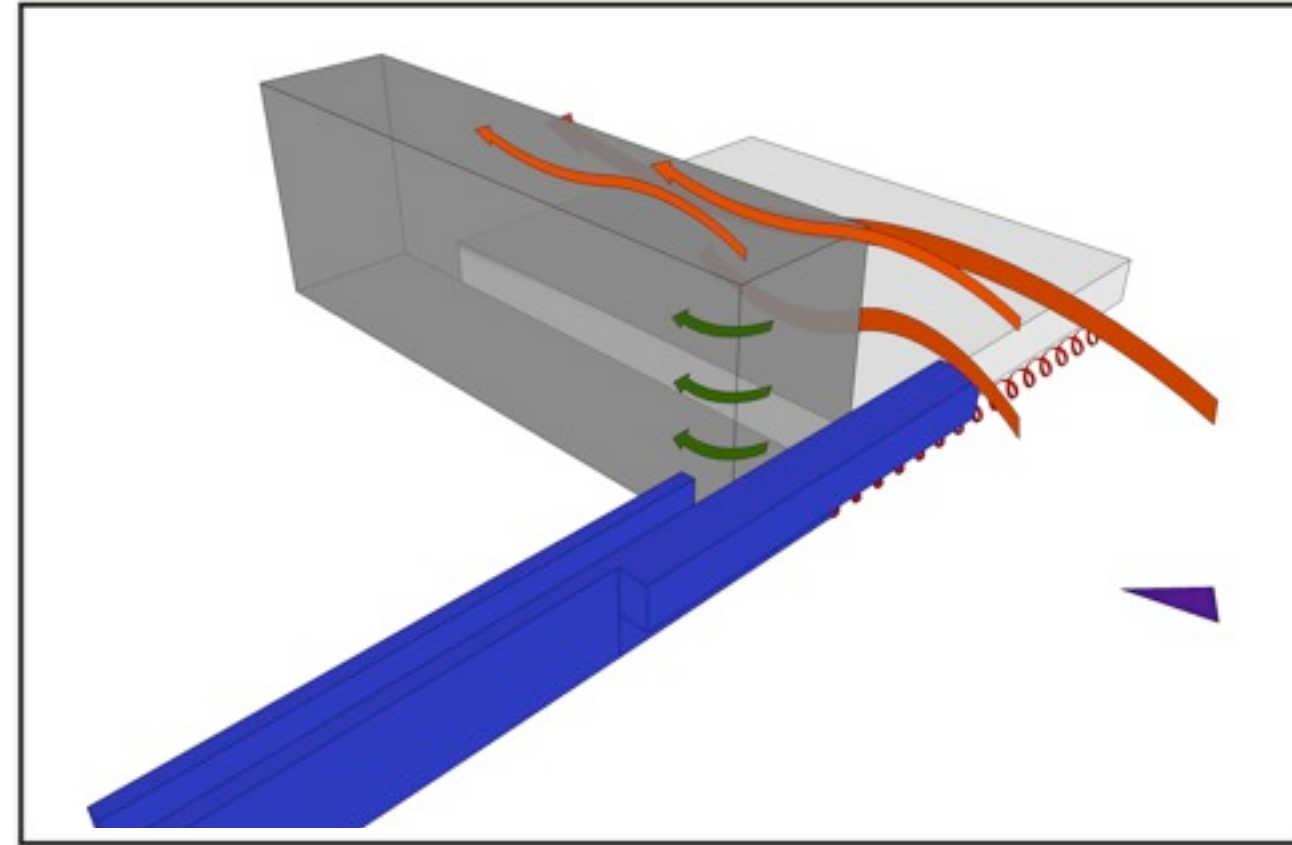


EXISTING BUILDING (HIGHRISE 60M.)



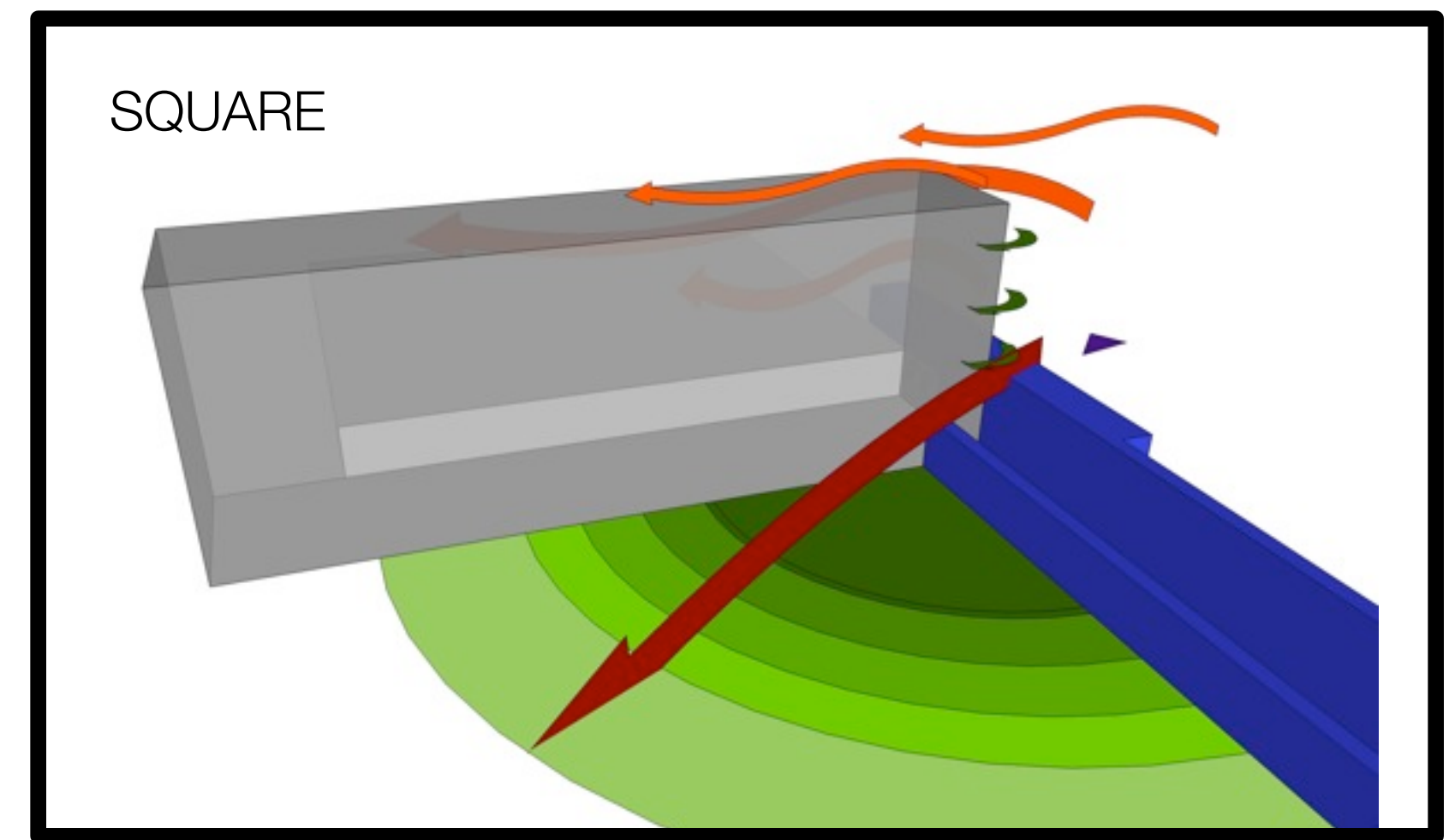
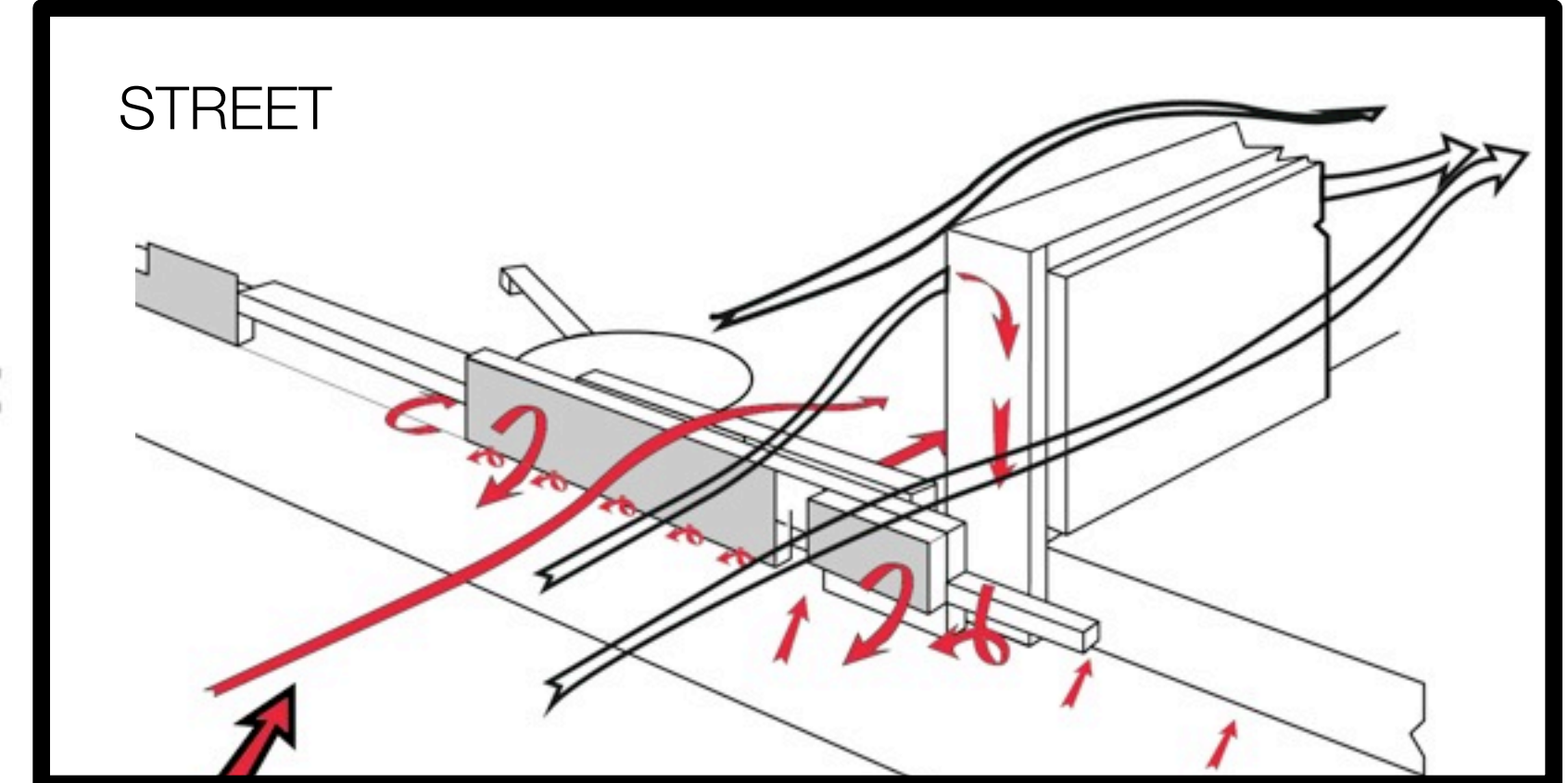
+

INTERVENTION (LOWRISE 15M.)



=

PROJECT PROPOSAL



**LEGENDA**

ENFORCED AROUND THE CORNER ON GROUND LEVEL

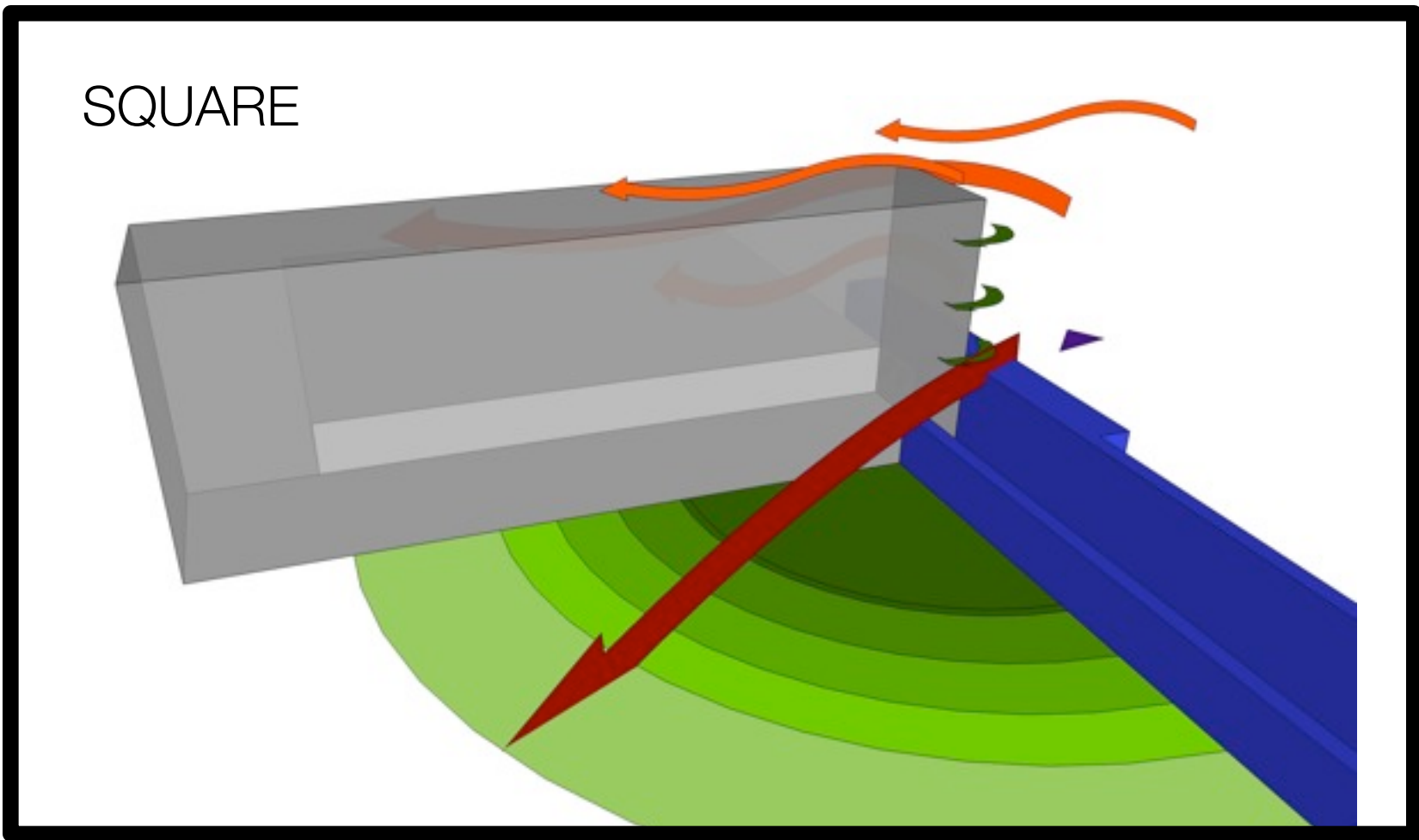
PROPOSAL

WIND FREE ZONE / HITS THE GROUND

SOUTH-WEST WIND

PROJECT PROPOSAL

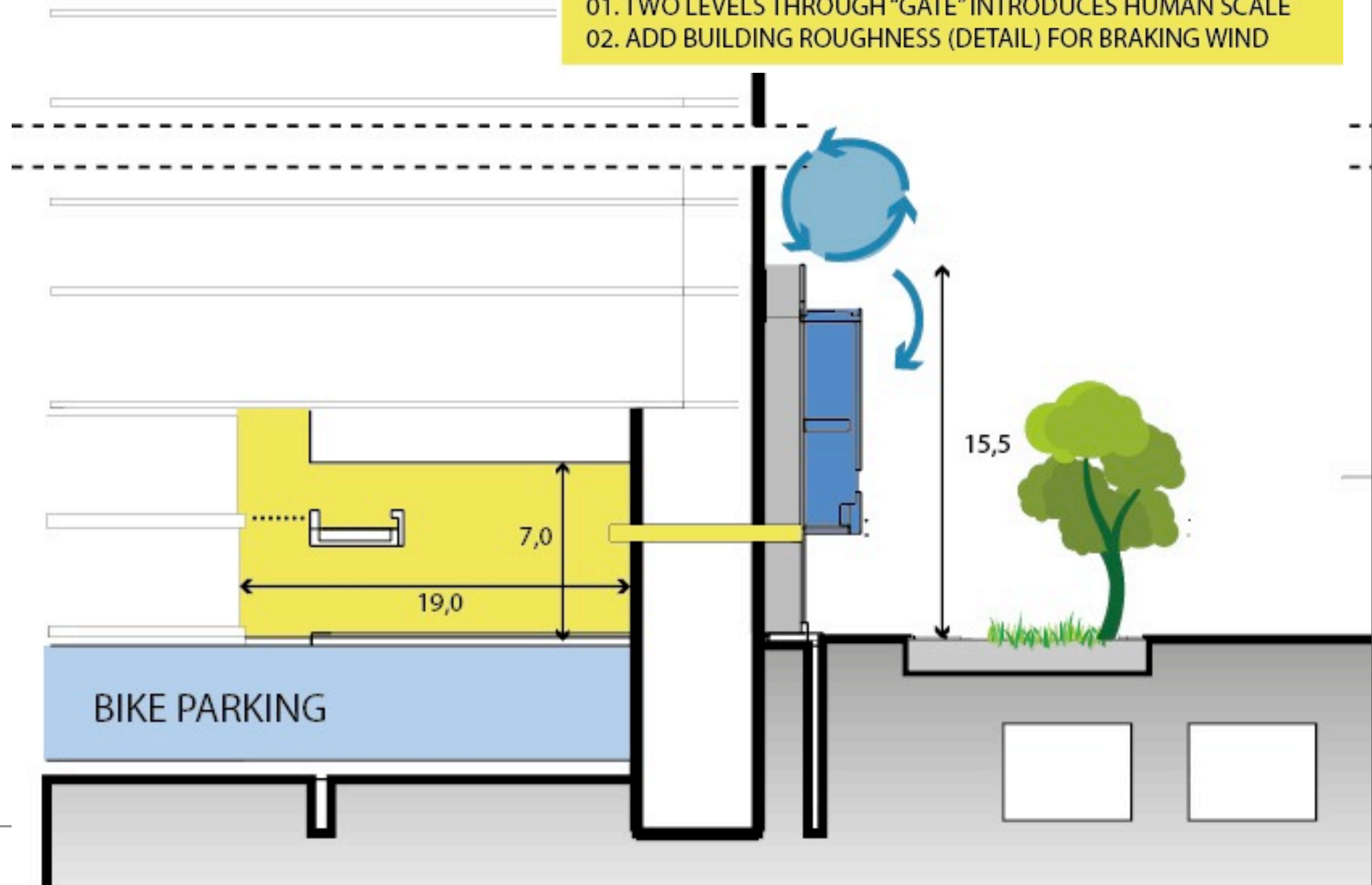
SQUARE



PLACEMENT OF DIFFERENT TYPES / HEIGHTS OF PLANTATION IMPROVES MICROCLIMATE

01. ADDITION TO BLIND WALL BREAKES DOWN WINDS  
02. IMPROVES ROUTES THROUGH STREET

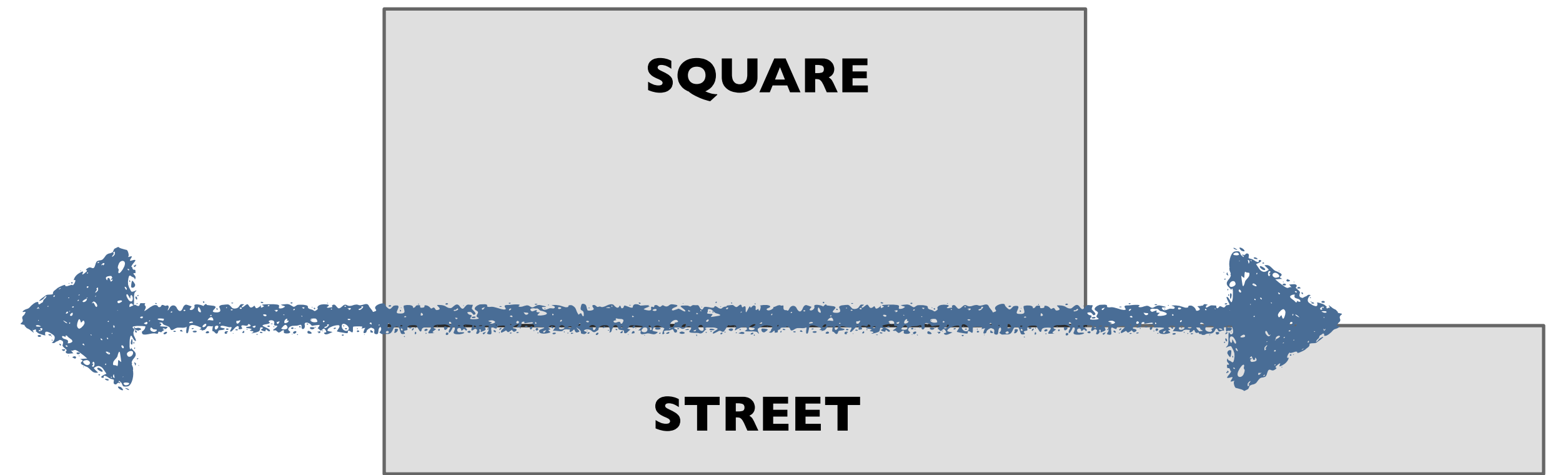
01. TWO LEVELS THROUGH "GATE" INTRODUCES HUMAN SCALE  
02. ADD BUILDING ROUGHNESS (DETAIL) FOR BRAKING WIND



MICRO-CLIMATE PROPOSAL

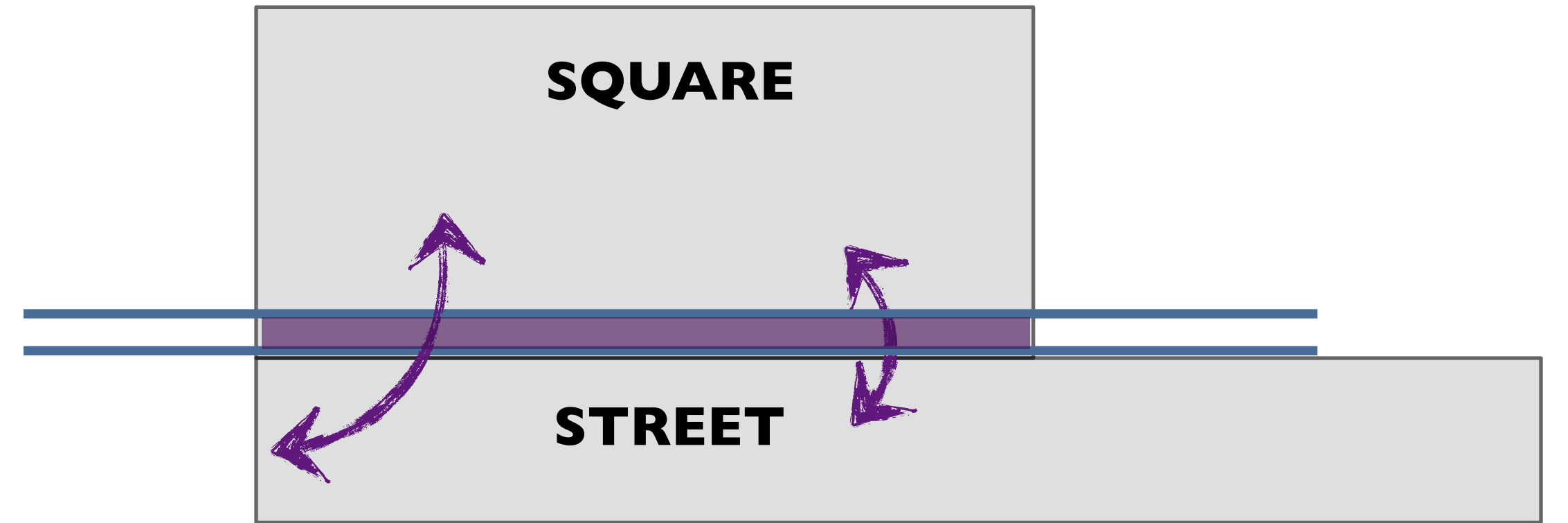
# I. LINE

IN LANDSCAPE



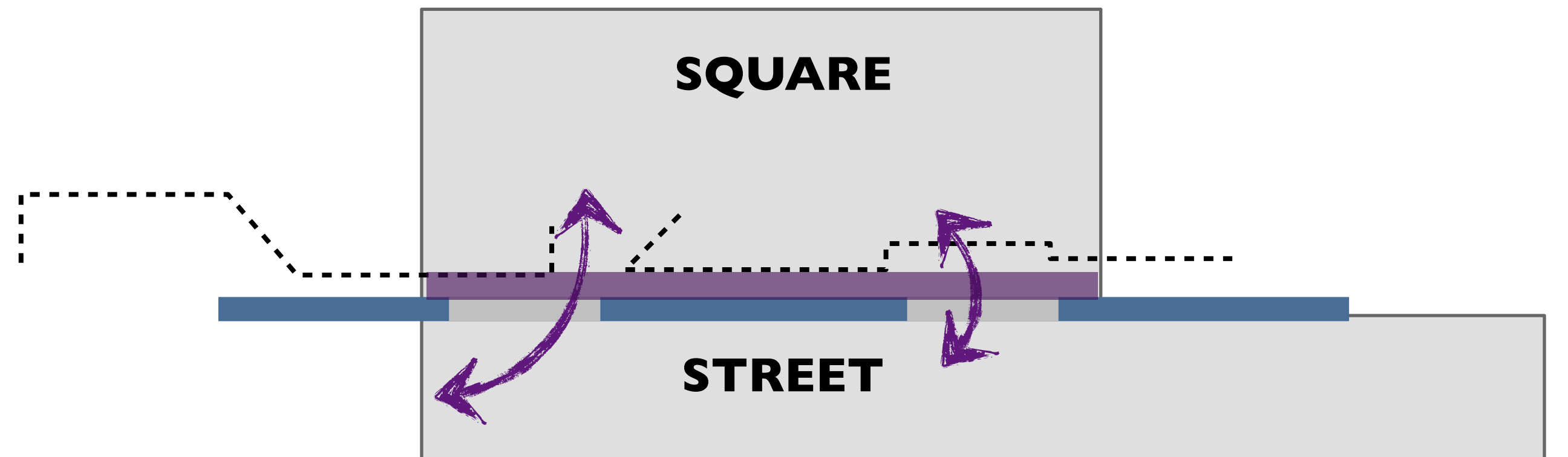
# II. THRESHOLD

OF STREET AND SQUARE



# III. DETAILS

OF LINE AND THRESHOLD



# TECTONIC FIELD

**NATURAL CONDITIONS**



**MATERIALS WITH TEXTURE TO TOUCH**



An architectural rendering of a modern building complex. The main building is a long, multi-story structure with a grid of windows. In the center, there is a courtyard with a curved walkway, a small square structure, and several trees. To the right, there is a smaller, more angular building. The background shows a dense urban environment with other buildings. The rendering is in black and white with some grey shading.

# TECTONIC FIELD

**FINENESS IN DETAILS**

**MASS, RELIEF EN SILHOUETTE**

**USE OF ROBUST MATERIALS**

**TRANSITION BETWEEN CITY AND STATION, SLOWING DOWN...**



## **C. Tectonic Field**

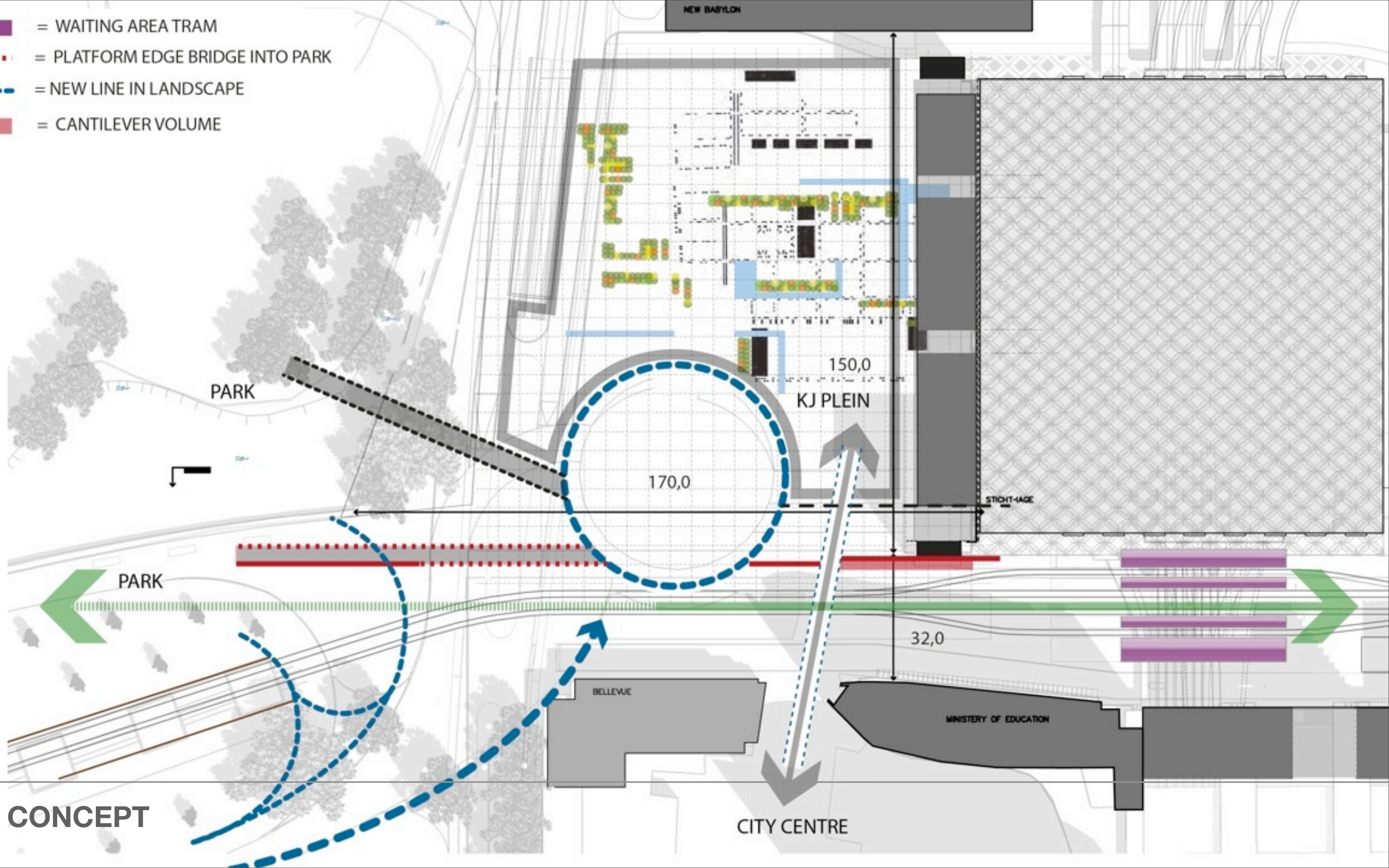
concept

routing

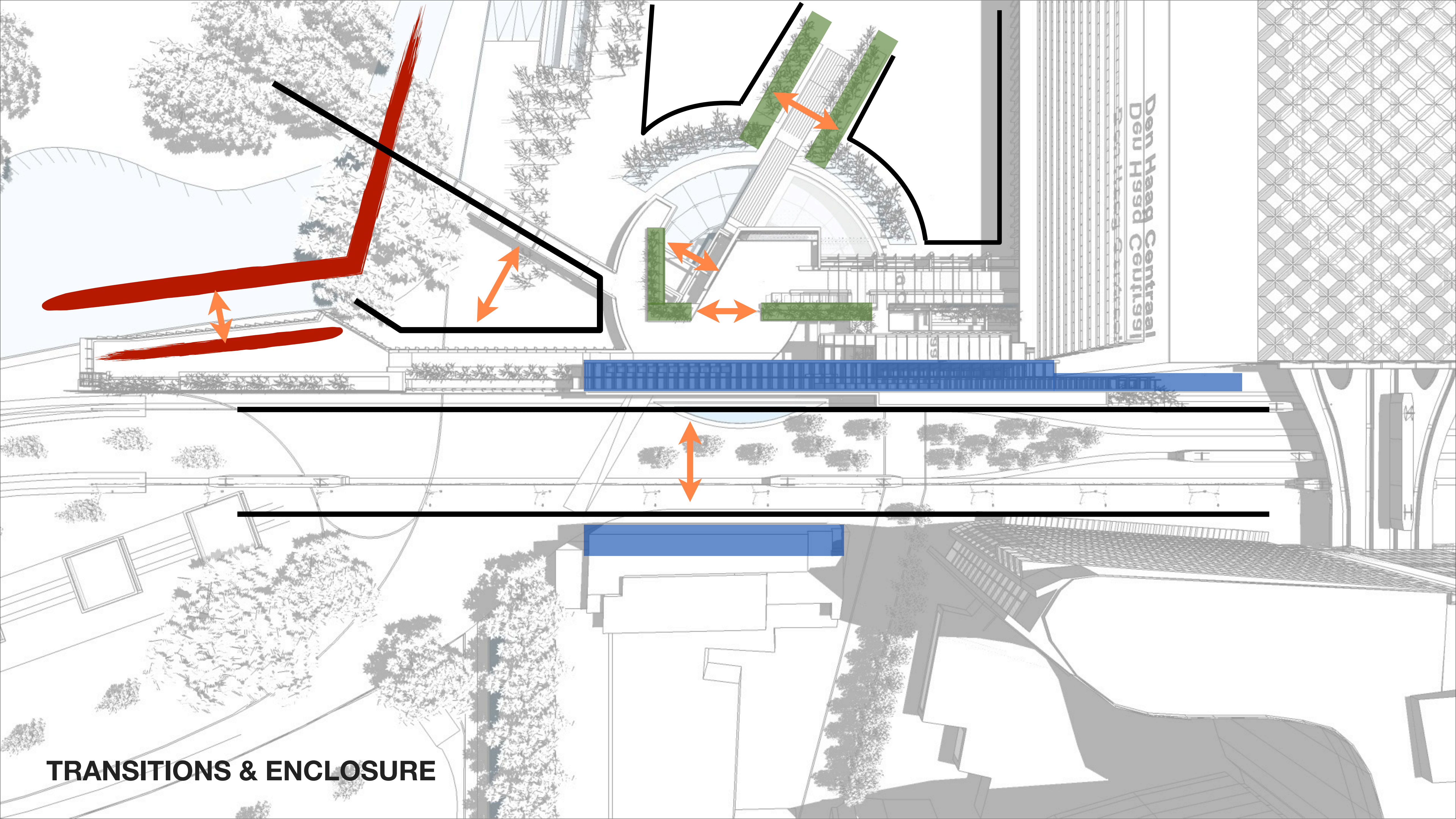
microclimate

design (images and plans)

-  = WAITING AREA TRAM
-  = PLATFORM EDGE BRIDGE INTO PARK
-  = NEW LINE IN LANDSCAPE
-  = CANTILEVER VOLUME



URBAN CONCEPT



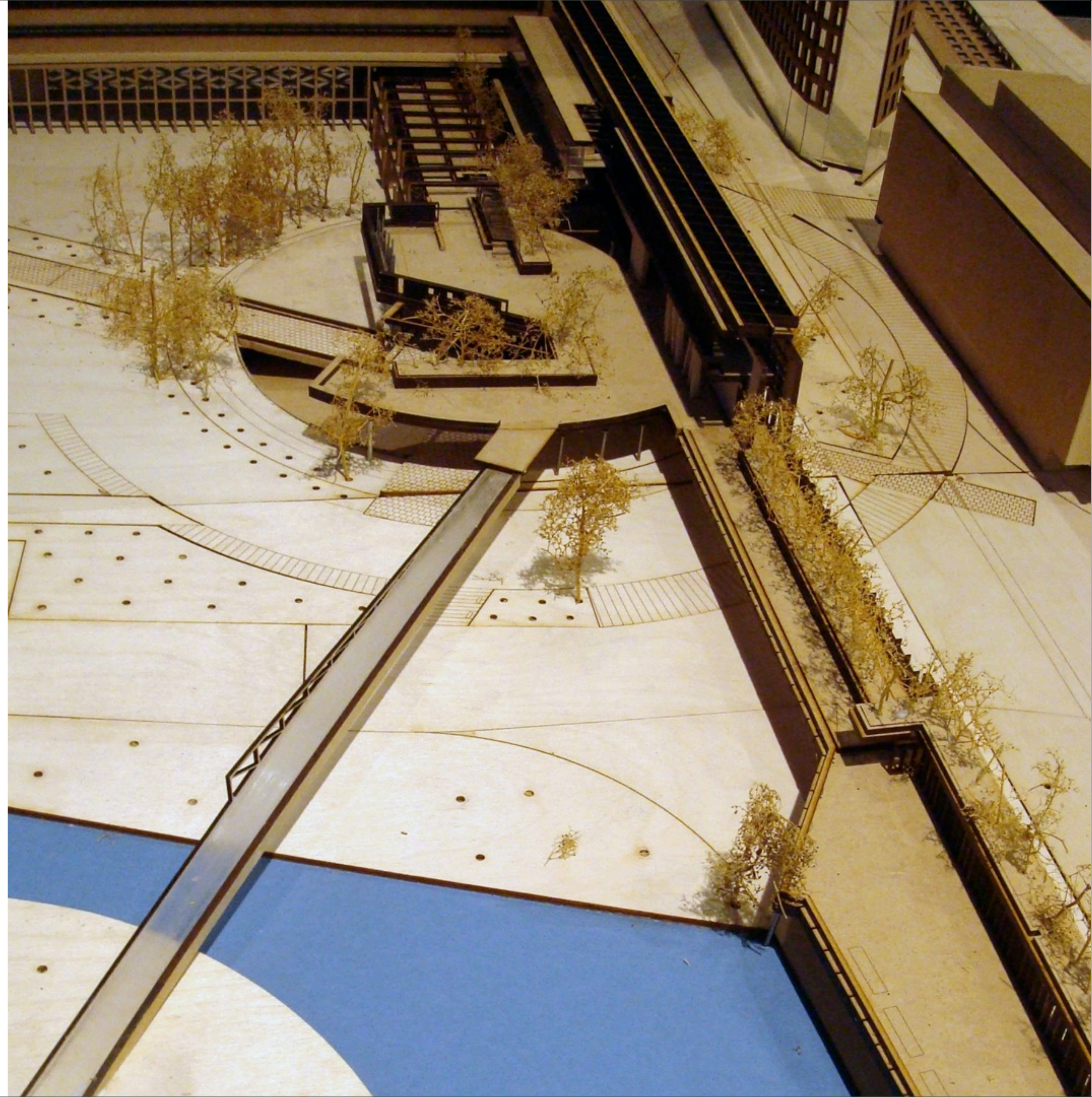
**TRANSITIONS & ENCLOSURE**



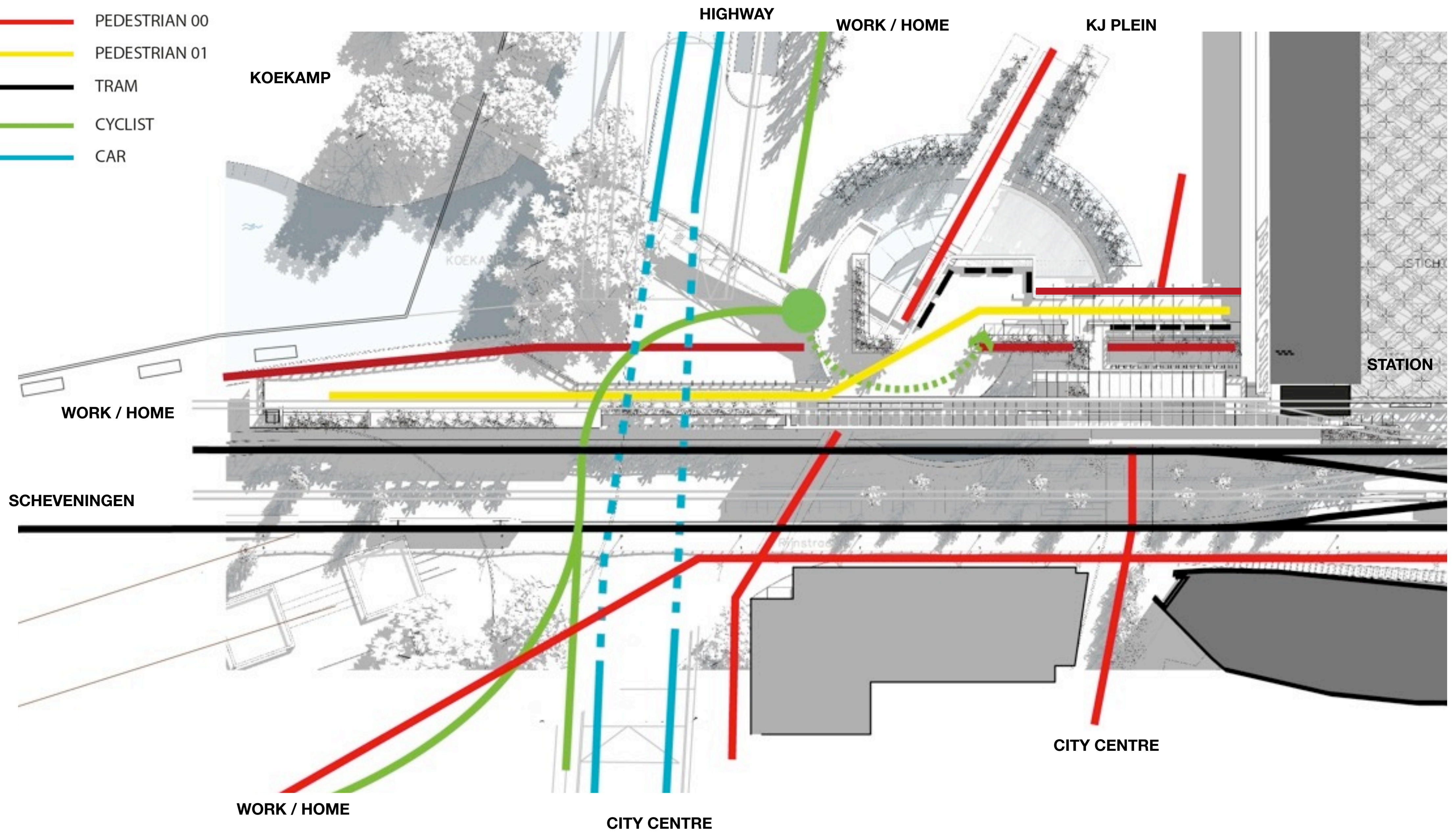


**VIEW INTO RIJNSTRAAT**  
TRANSITION IN-BETWEEN STREET AND SQUARE

**CONNECTING THE PARTS**



- PEDESTRIAN 00
- PEDESTRIAN 01
- TRAM
- CYCLIST
- CAR



# ROUTING

**MEETING PLACE**

SUN > 90%

**MEETING PLACE**

SHADOW = 50%

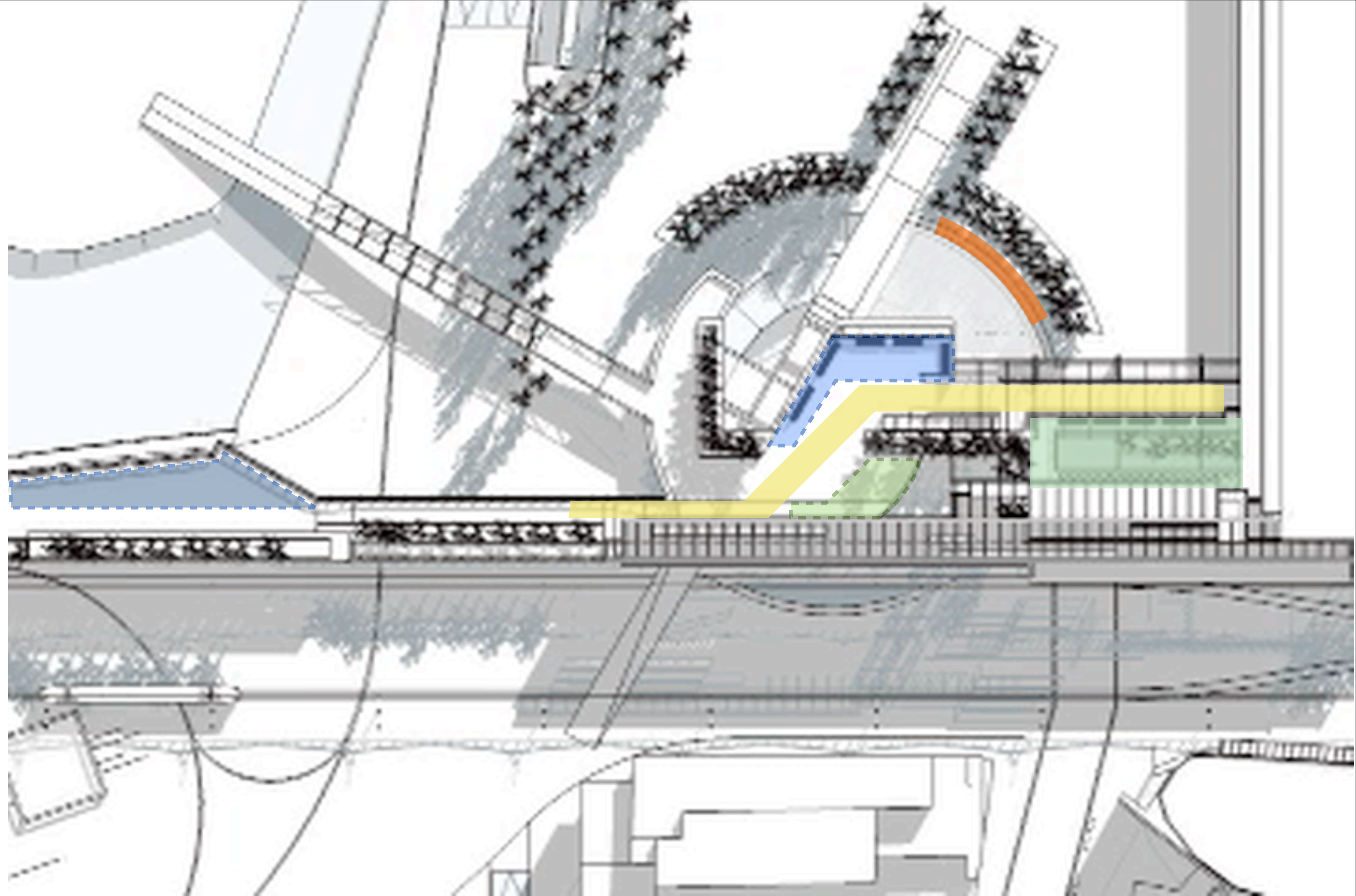
**WAITING AT WATER**

SUN > 80%

**ROUTE SHELTERED**

WIND < 50%,

SUN > 80%



**OUTDOOR LIFE**

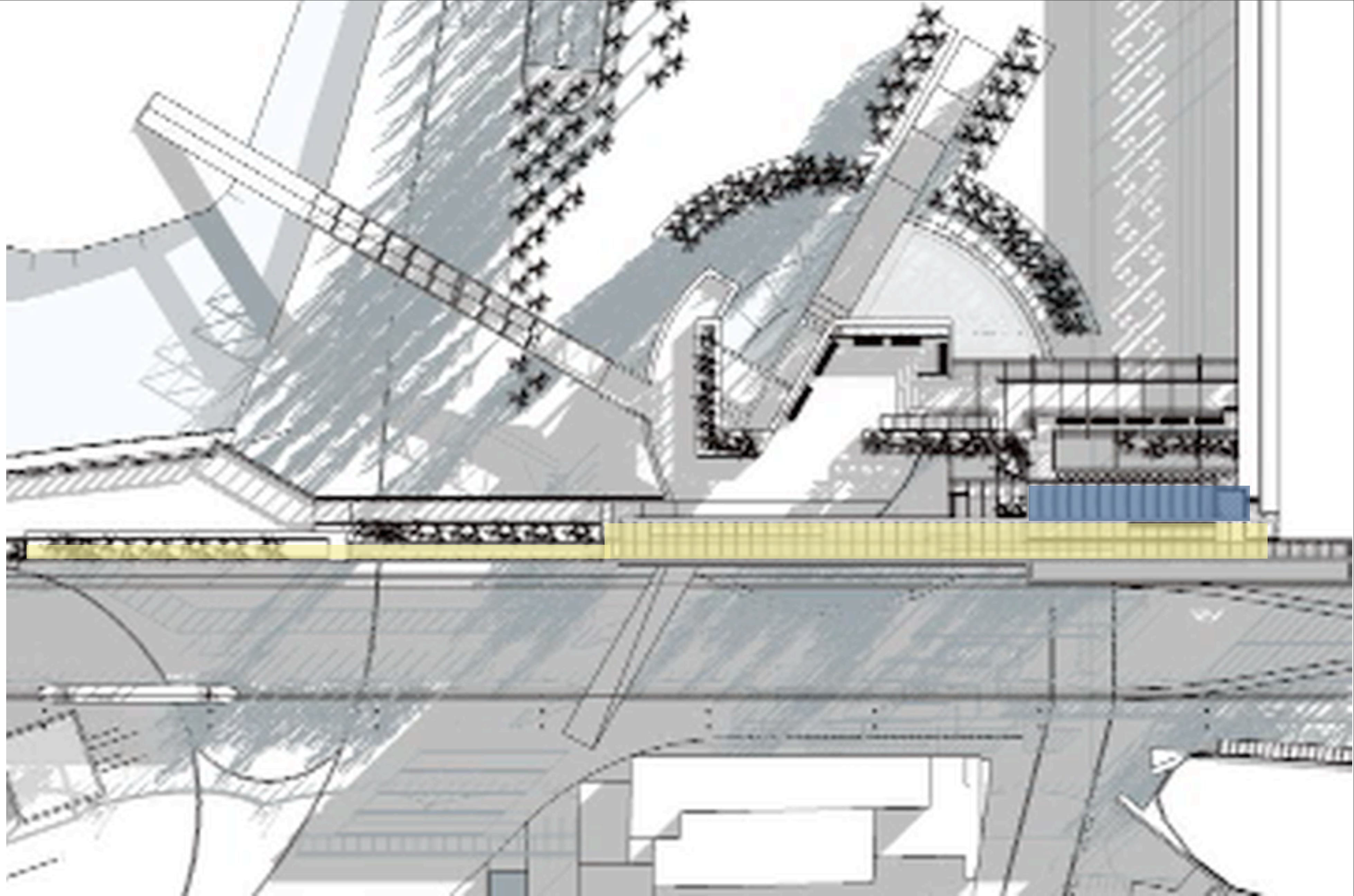
PLACES IN SUN | SHADOW | WIND - JUNE 21

**MEETING PLACE / BAR**

SUN > 90%

**ROUTE SHELTERED**

WIND < 20%,



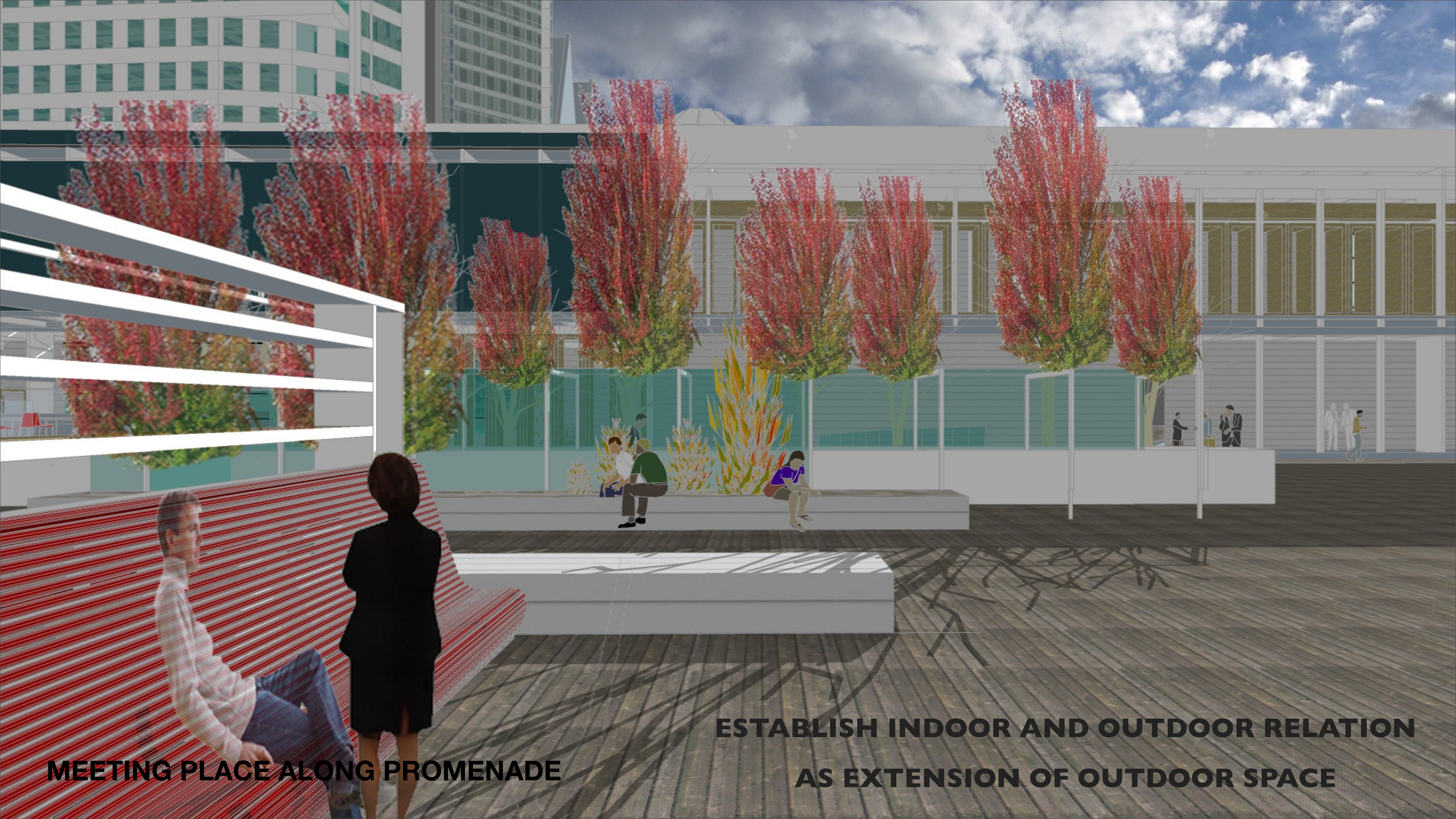
## 'INDOOR' LIFE

PLACES IN SUN | SHADOW | WIND - SEPTEMBER 21



**CREATE POCKETS WITH DECIDUOUS SHADE TREES,  
IN COMBINATION WITH WATER NEAR THE BUILDING**

**KJ SQUARE**



**MEETING PLACE ALONG PROMENADE**

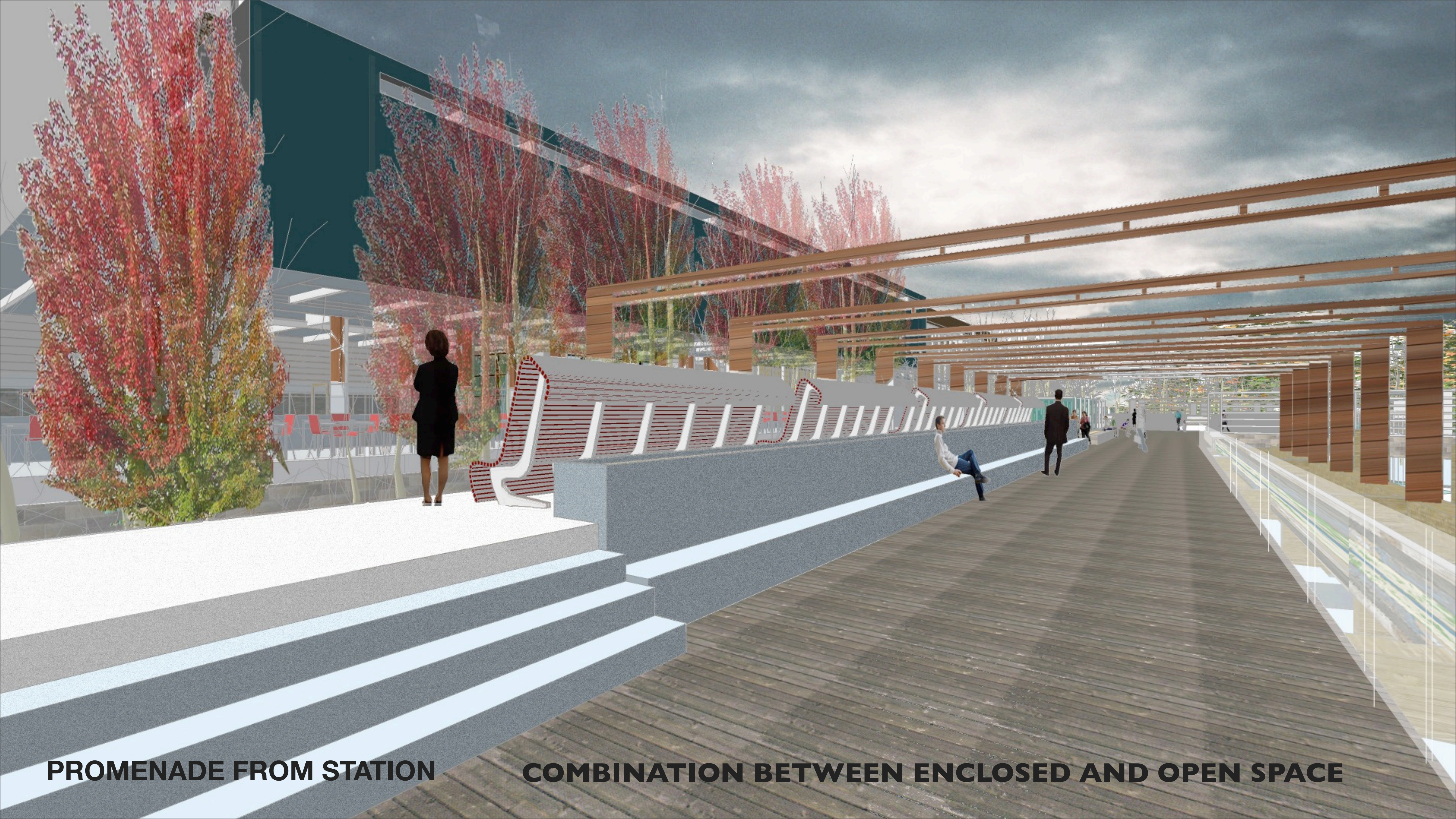
**ESTABLISH INDOOR AND OUTDOOR RELATION  
AS EXTENSION OF OUTDOOR SPACE**



**CONNECTION STATION**

**CHOICE IN PLACES AND ROUTING  
WITH CHANGE IN ORIENTATION**





**PROMENADE FROM STATION**

**COMBINATION BETWEEN ENCLOSED AND OPEN SPACE**



**COFFEE BAR**



**THE DEPENDANCE AS A  
QUIET PLACE ABOVE A BUSY  
WORLD**



**GALLERY**

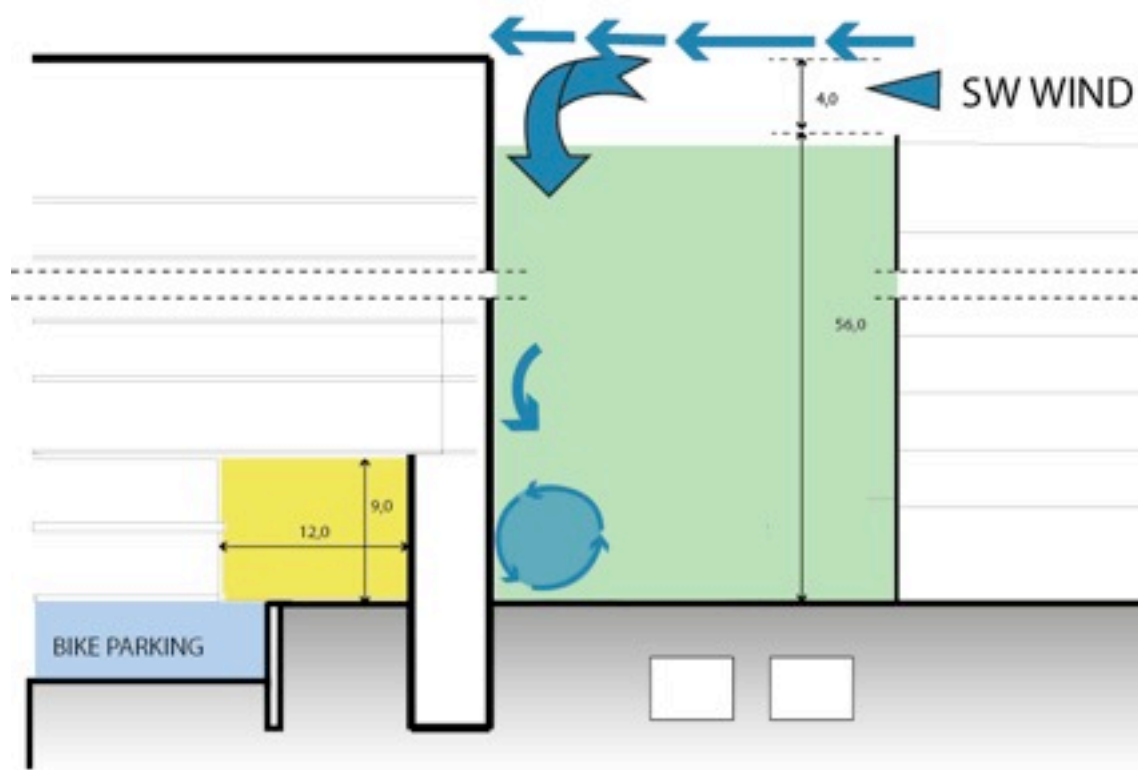
# TECTONIC FIELD

**FORMING A GRAPHIC PATTERN, WITH RHYTHMICALLY  
PLACED BREAKS IN THE FAÇADE**

**RHYTHM AND DETAIL, IT IS CRUCIAL FOR THE OVERALL  
DESIGN**

**THANK YOU ALL!**  
GRACIAS A TODOS

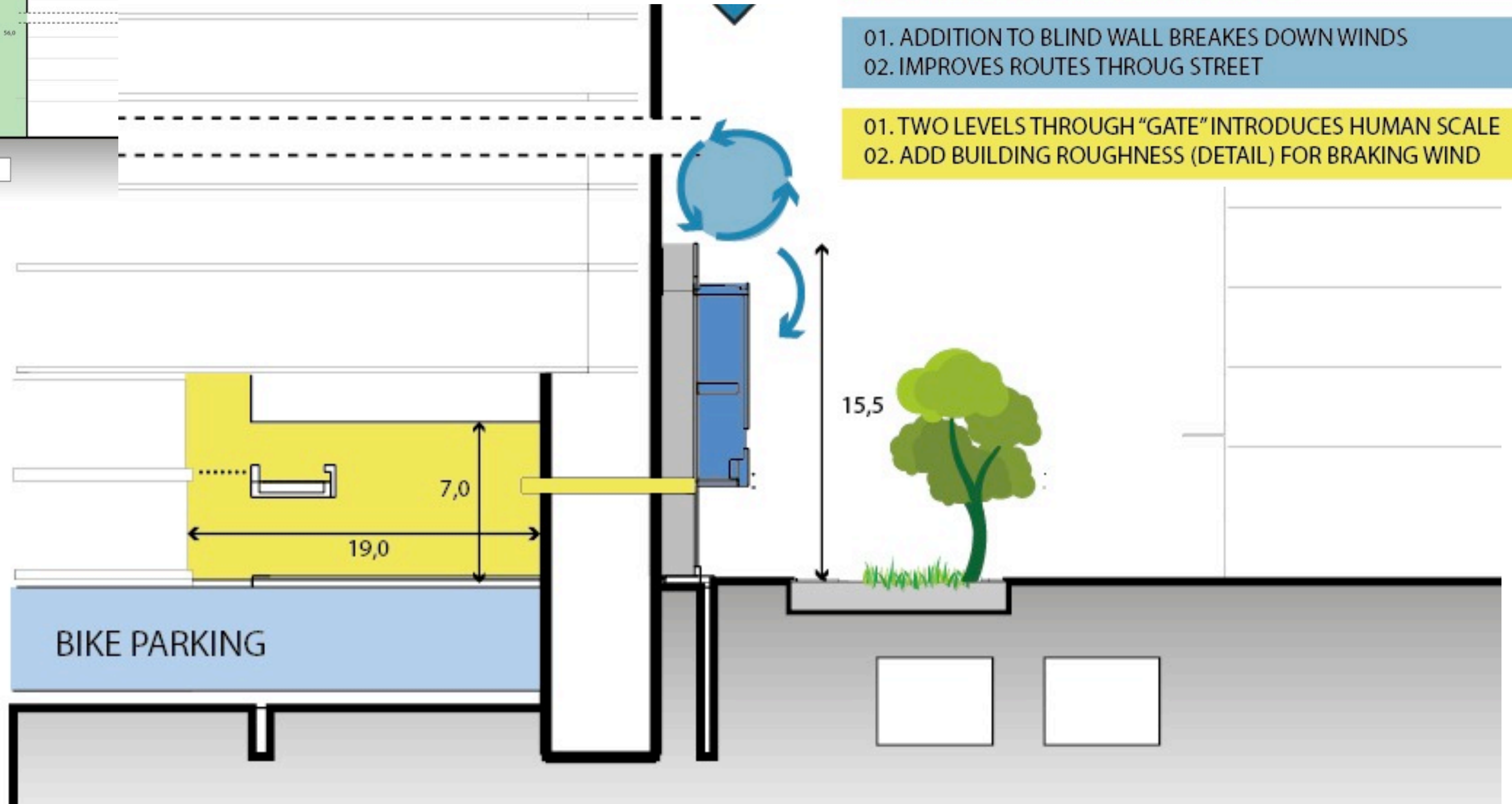
**BACK UP SLIDES!!**



PLACEMENT OF DIFFERENT TYPES / HEIGHTS OF PLANTATION IMPROVES MICROCLIMATE

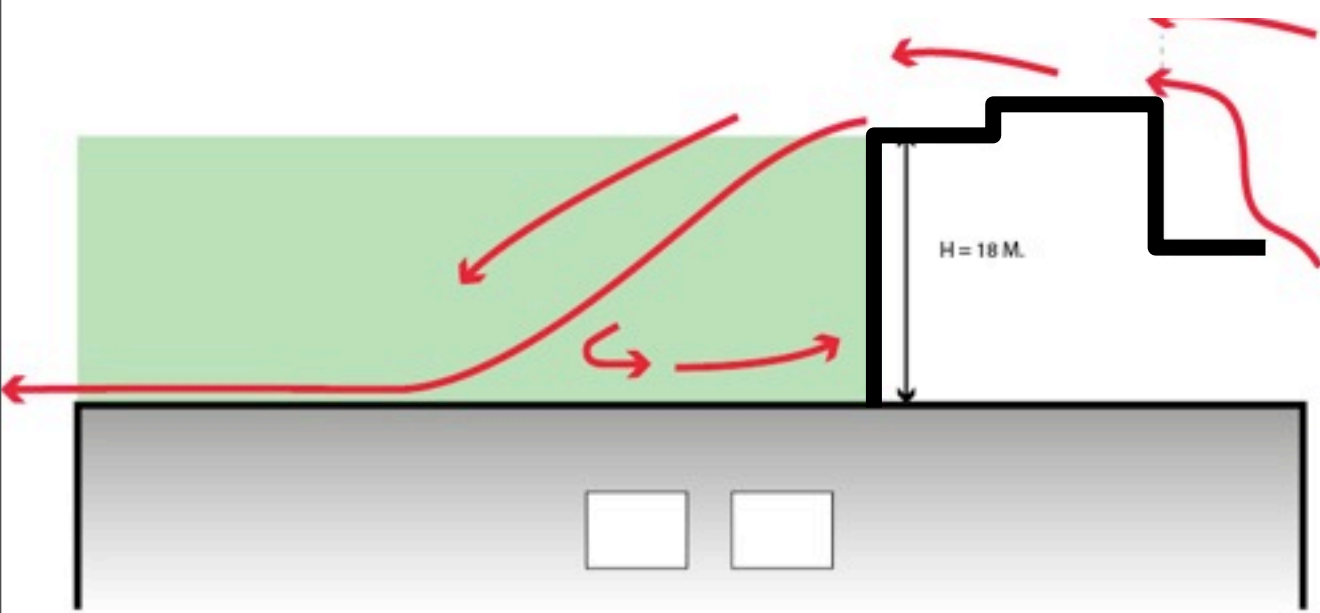
01. ADDITION TO BLIND WALL BREAKES DOWN WINDS  
02. IMPROVES ROUTES THROUGH STREET

01. TWO LEVELS THROUGH "GATE" INTRODUCES HUMAN SCALE  
02. ADD BUILDING ROUGHNESS (DETAIL) FOR BRAKING WIND

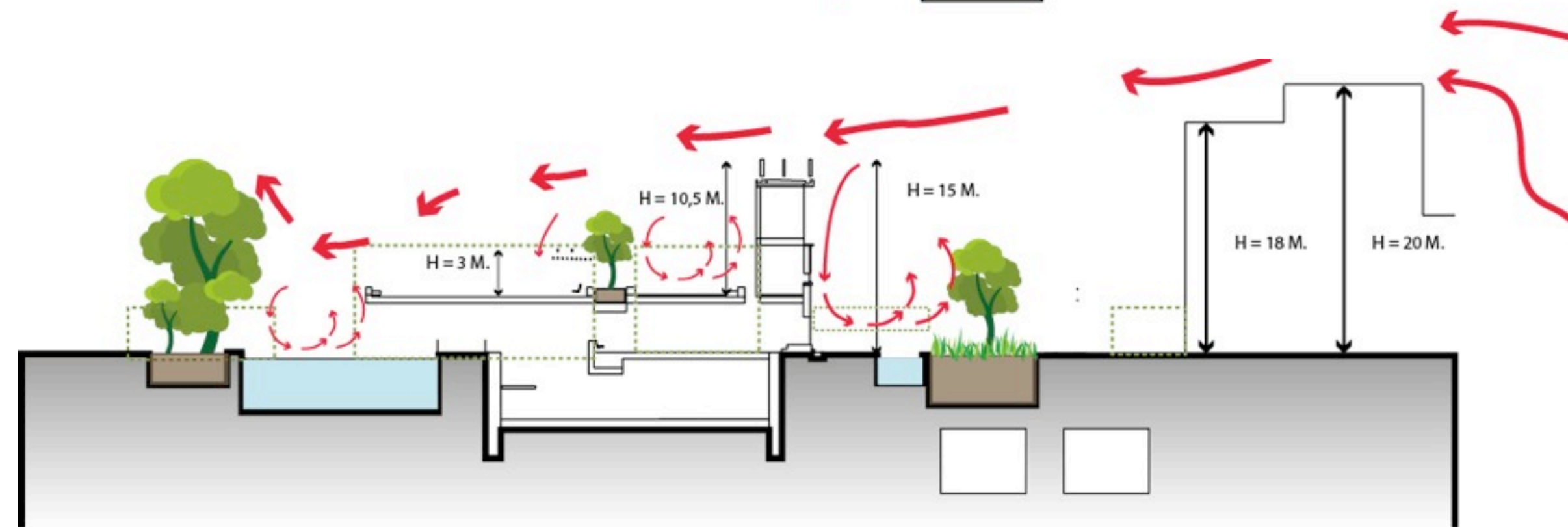
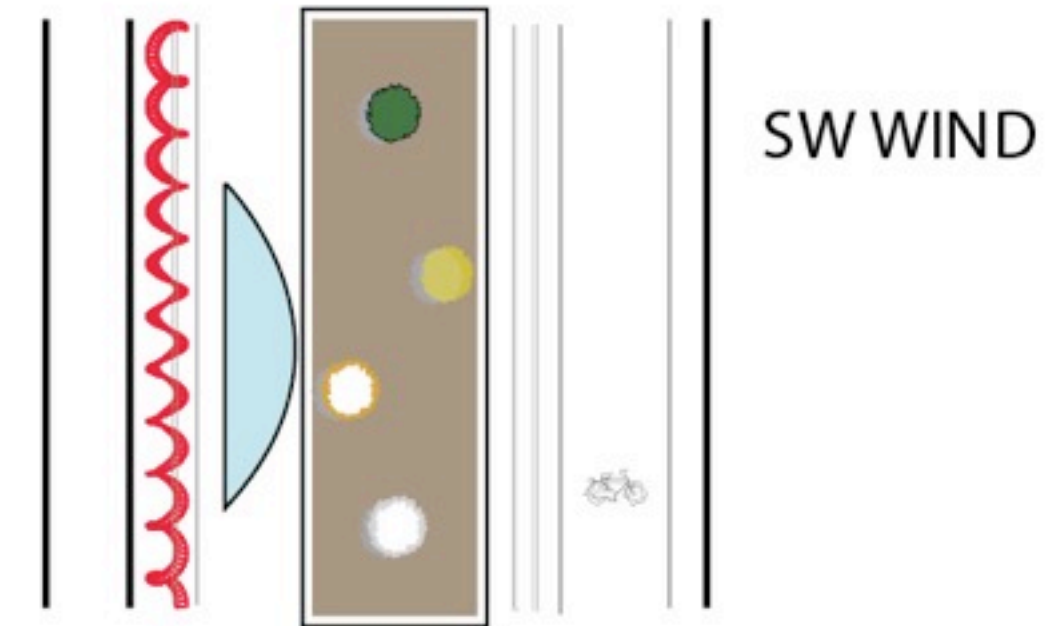
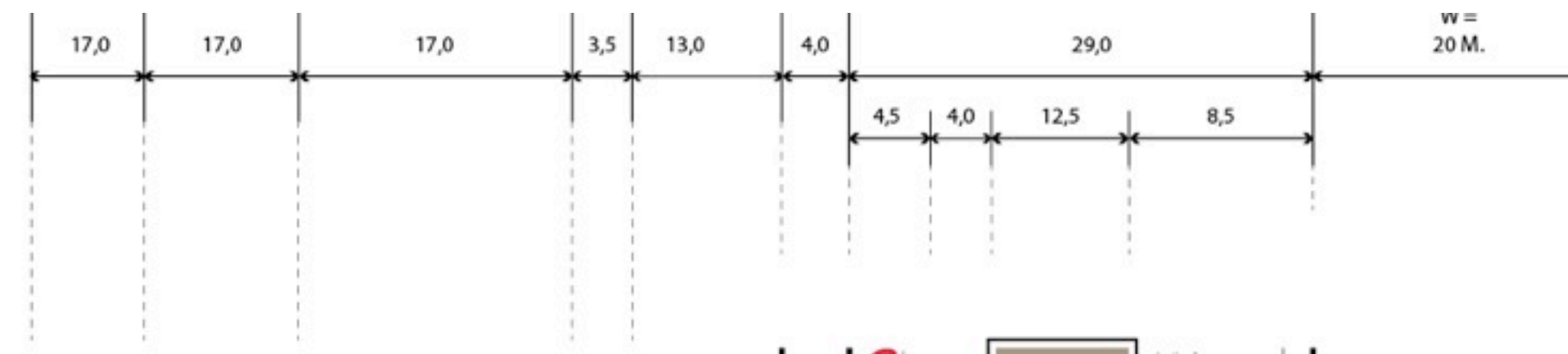


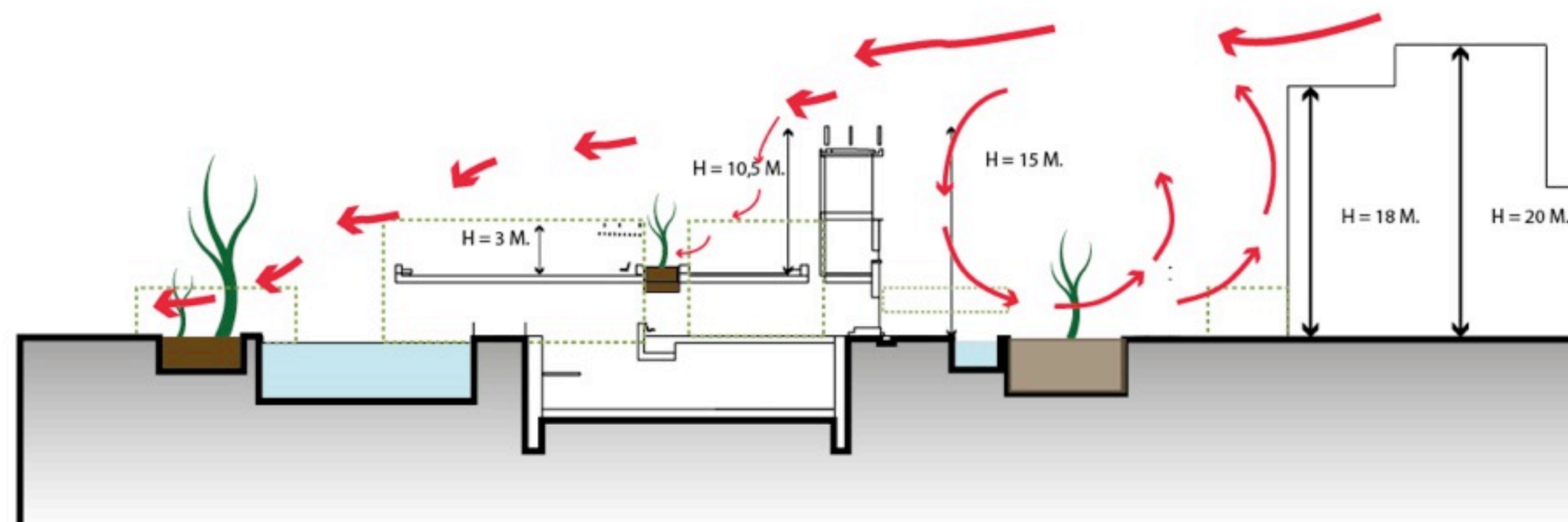
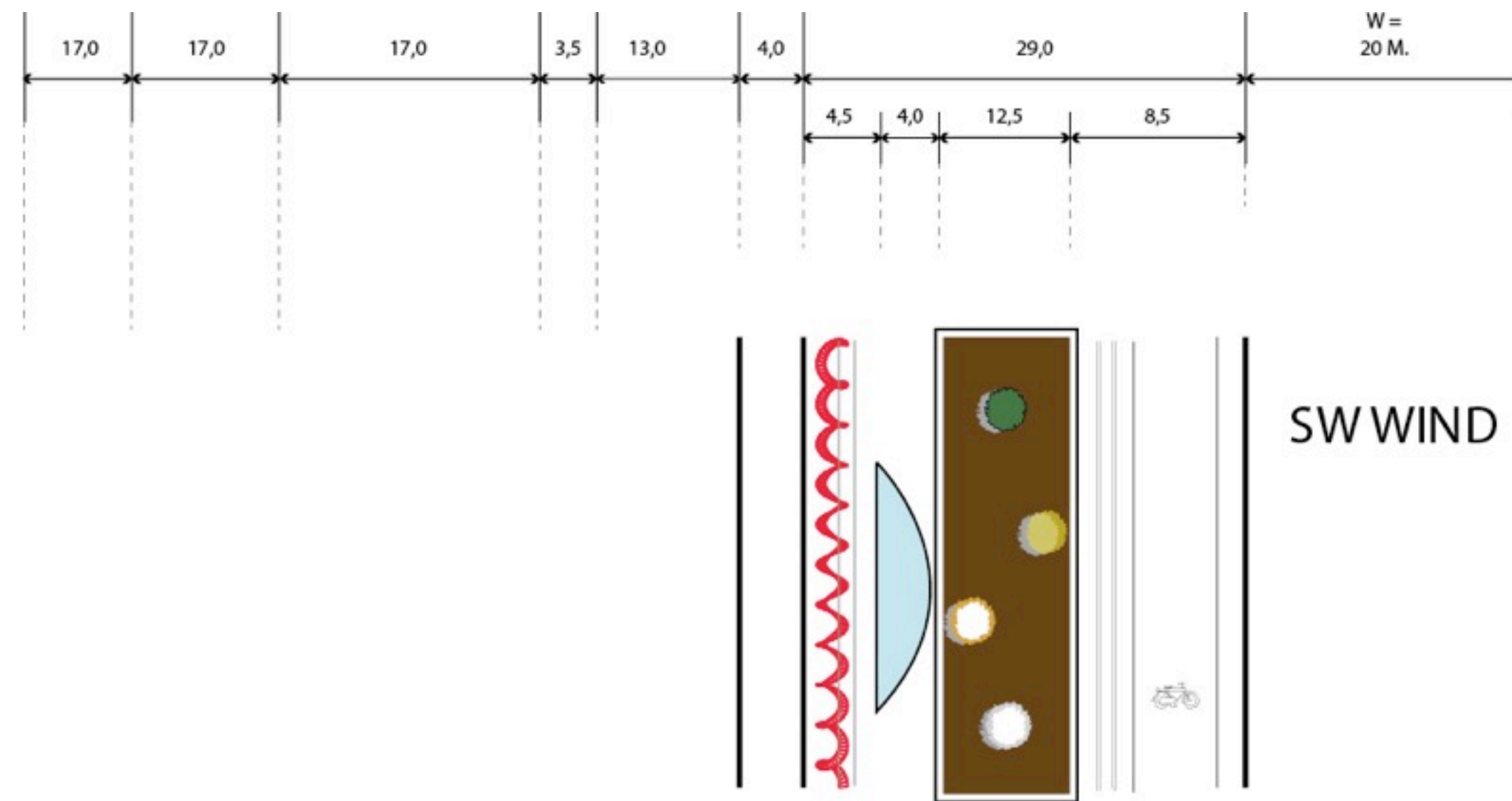
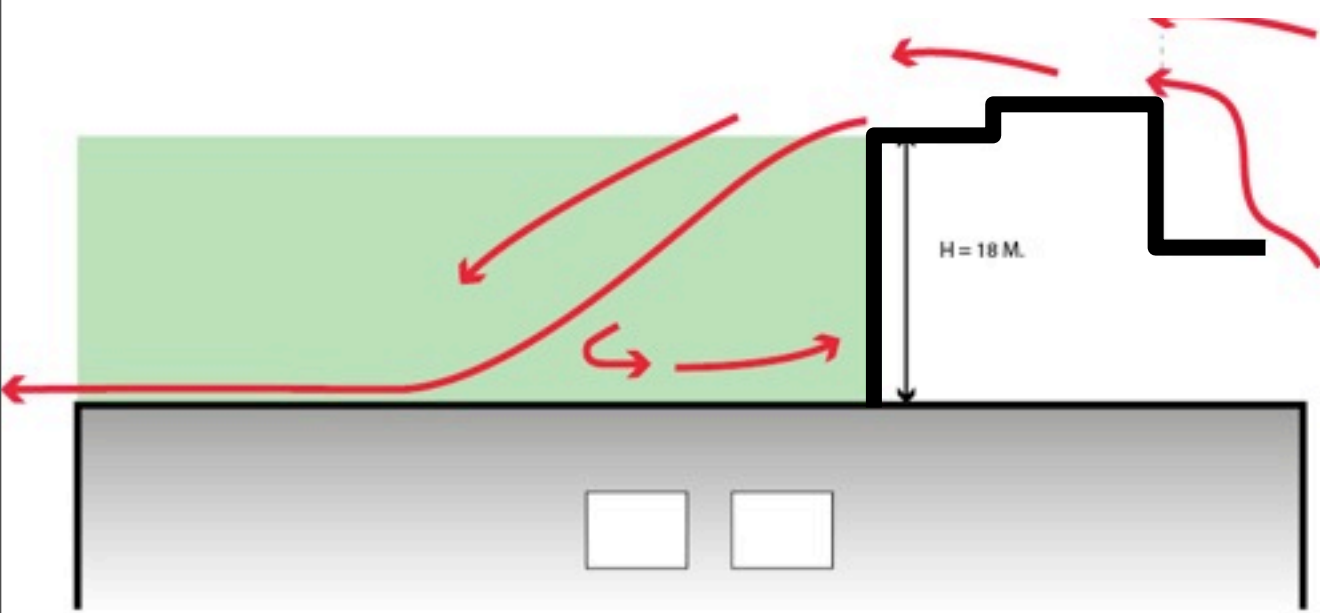
**MICRO-CLIMATE PROPOSAL**

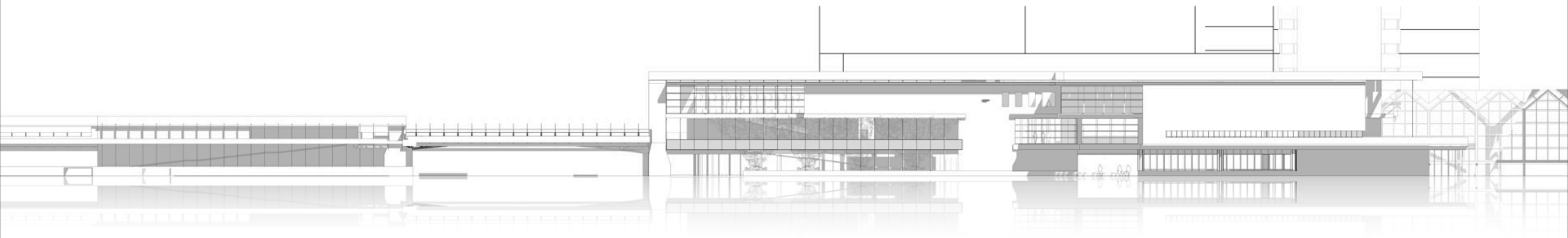




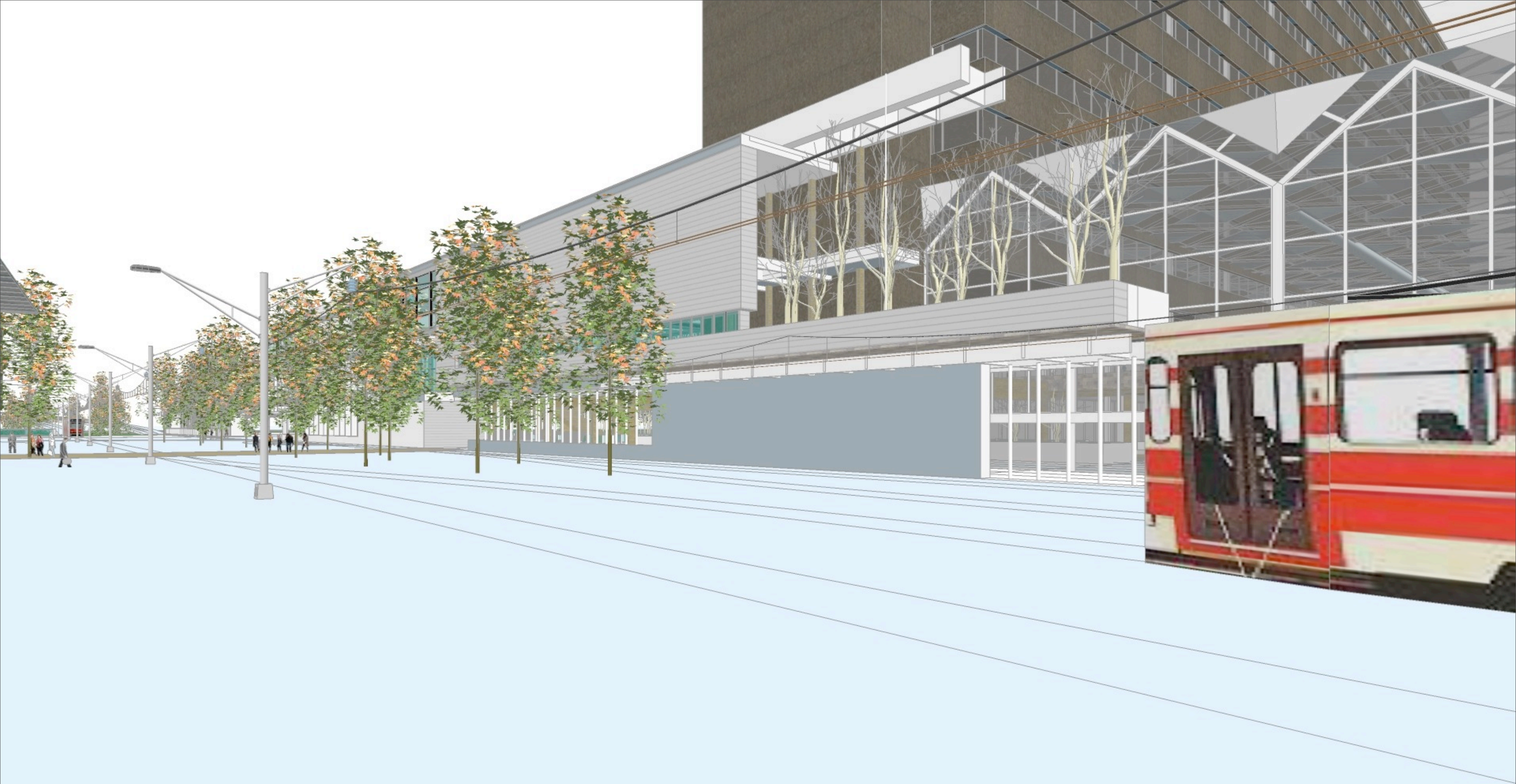
## PEDESTRIAN ROUTE



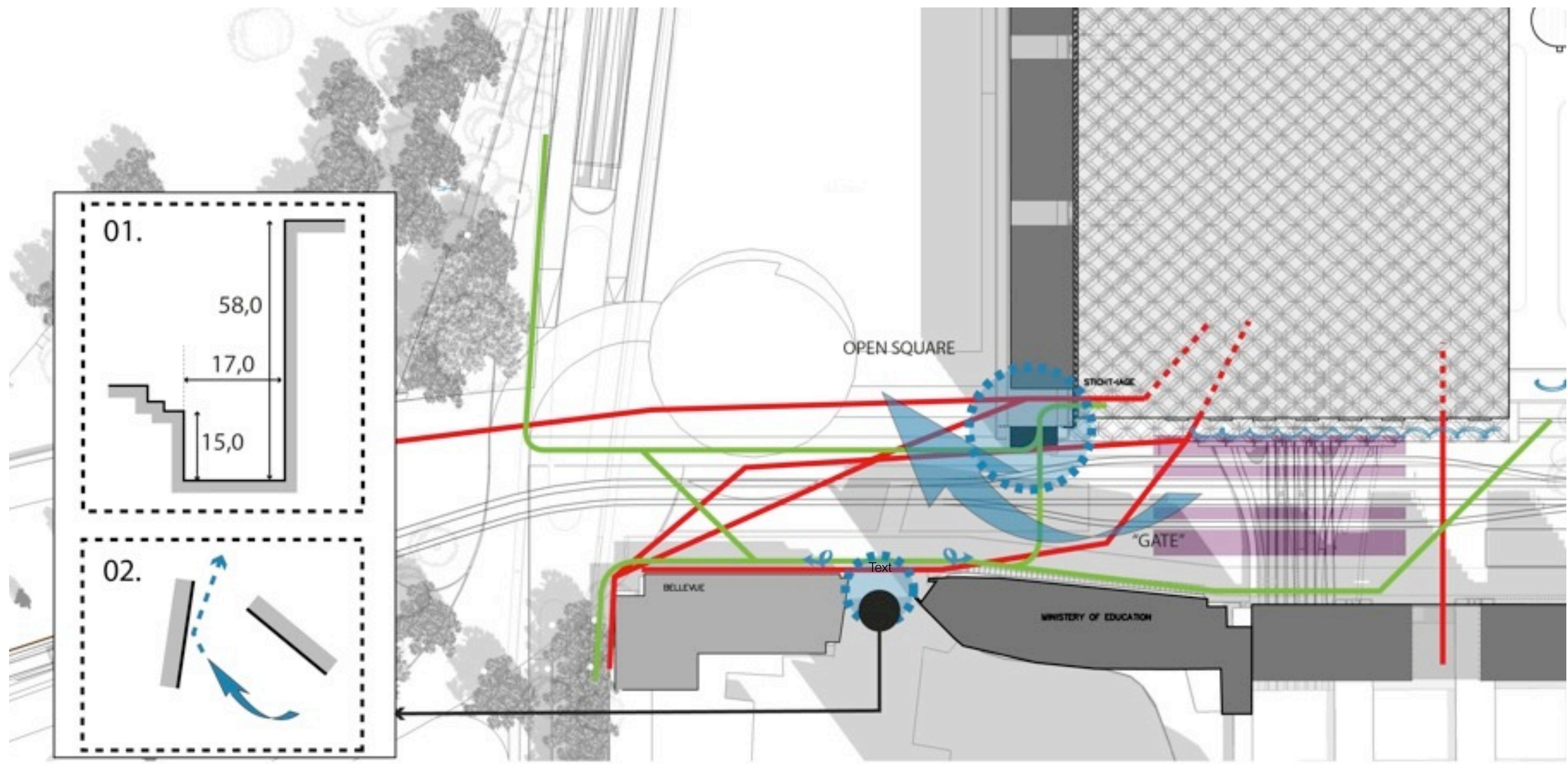




**FACADE RIJNSTRAAT**  
HORIZONTALITY



**OUTSIDE STATION**



SOUTH WEST WIND IS BEING ENFORCED BY

01. SMALL OPENING

02. THE ORIENTATION OF THE FACADE, THE WIND IS SQUEEZED AND BOUNCED

SW WIND  
21.06  
1 PM

**INTERVENTION**

PLACE DECIDUOUS TREES ON SW

**MICRO-CLIMATE CONTEXT**