

SLOTTERMARKT

AN INCLUSIVE CENTRE FOR A GARDENCITY 2.0

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1/2/2019

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CLIMATE

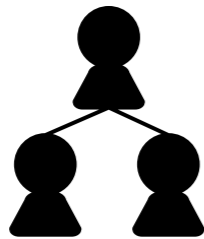
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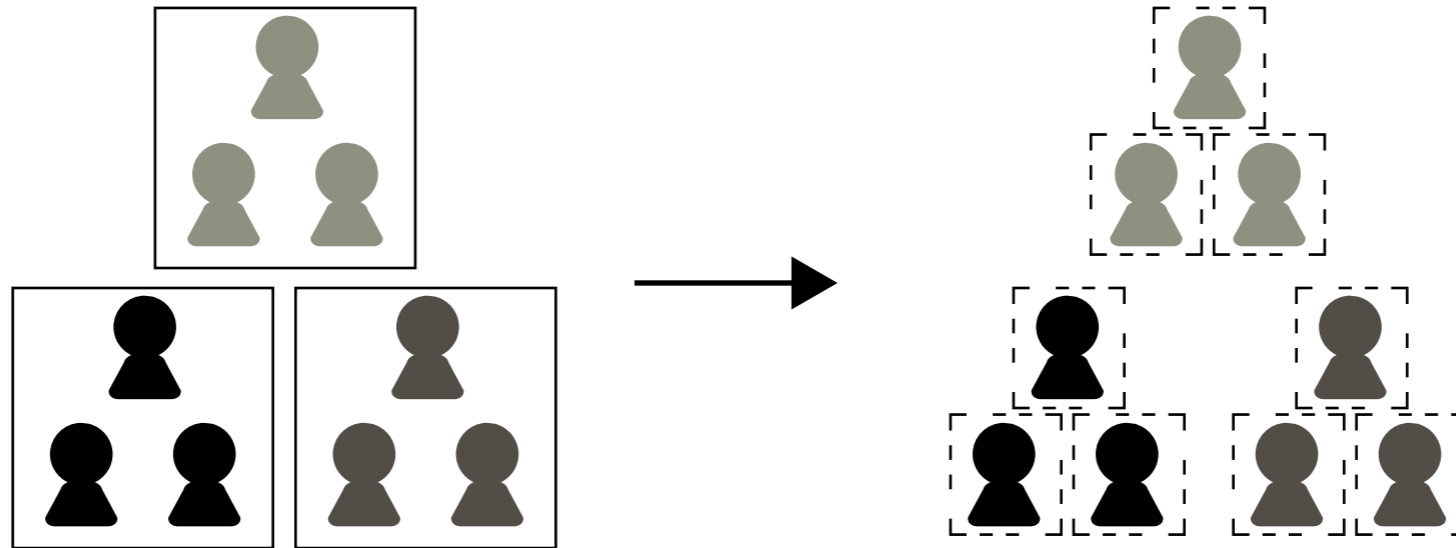


PERSONAL INTERESTS

PERSONAL INTERESTS



PERSONAL STATEMENT



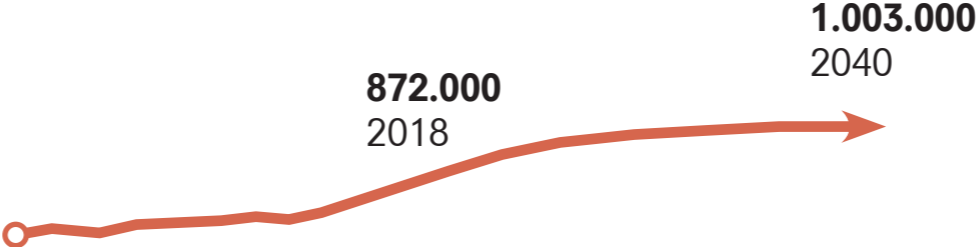
STUDIO ASSIGNMENT

COMPLEX PROJECTS STUDIO: AMSTERDAM 2050



"The ambition of the studio is to develop new urban scenarios and investigate architectural typologies for the City of Amsterdam in a time horizon 2050"

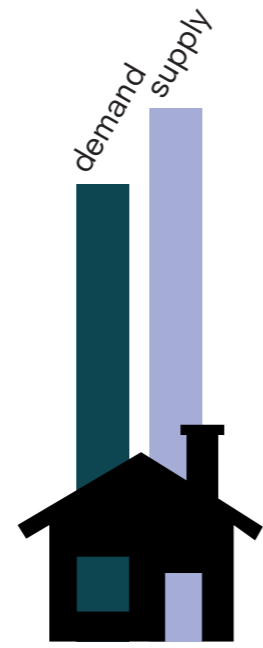
FUTURE POPULATION



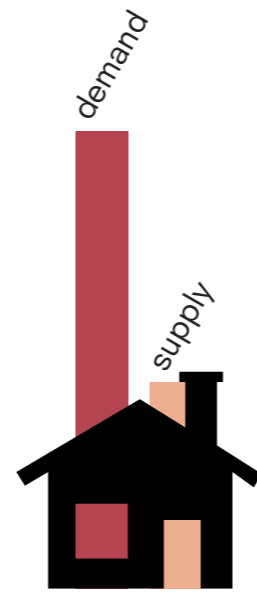
HOUSING STOCK NEEDS TO GROW



CURRENT HOUSING SITUATION



Social housing

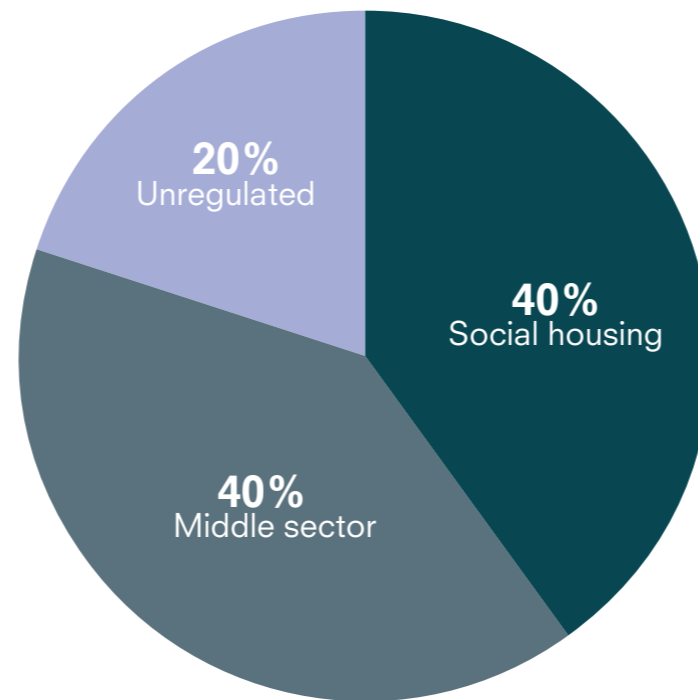


Midsector housing



Unregulated

SOLUTION 40-40-20 POLICY



STUDIO ASSIGNMENT



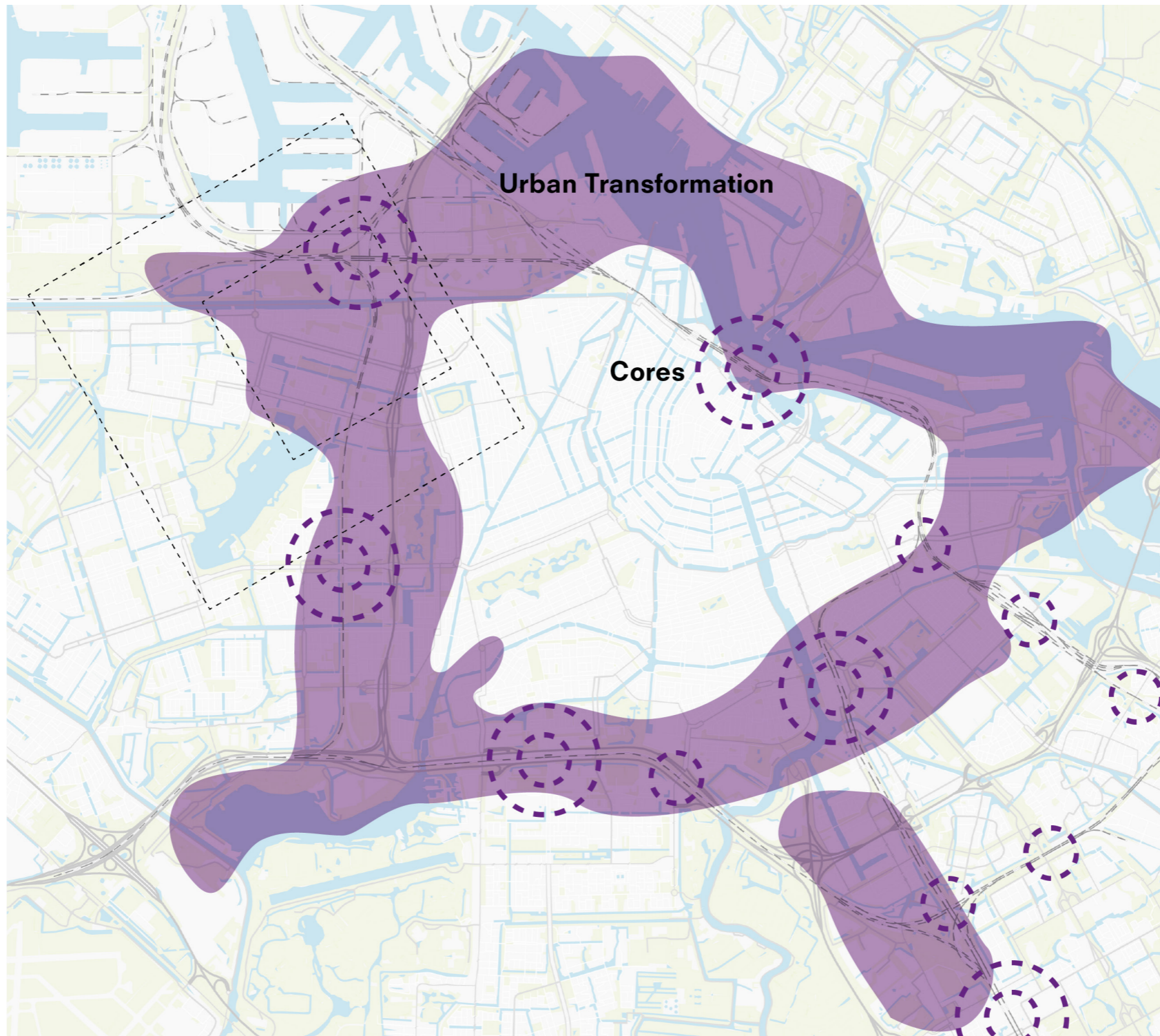
**HOW WILL WE LIVE, WORK,
TRAVEL AND MOVE IN
AMSTERDAM IN 2050?**

GROUP VISION AMSTERDAM

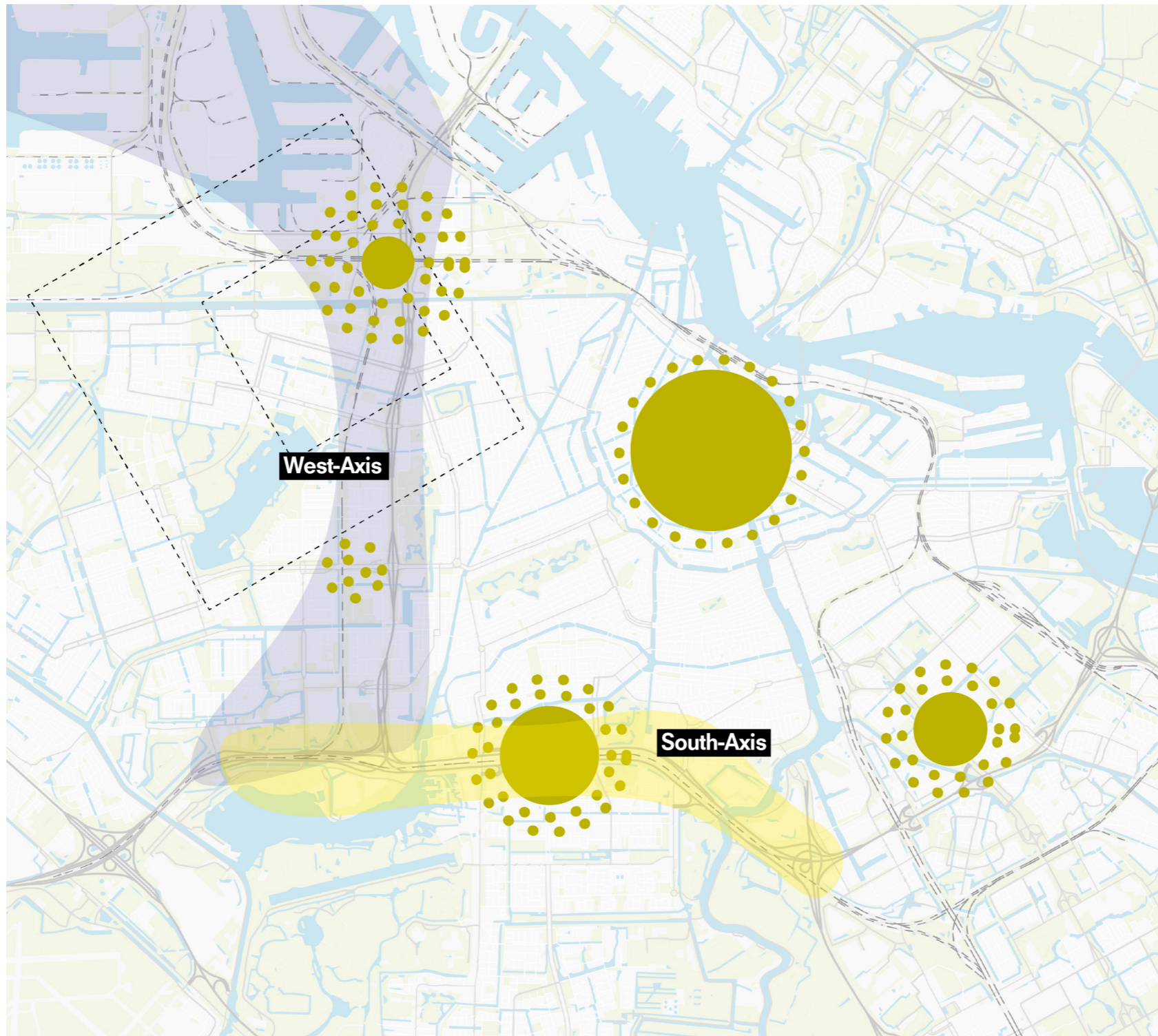
POLY CENTRIC DEVELOPMENT EXPLOIT UNIQUE CHARACTERS OF DISTRICTS



DENSIFICATION ALONG THE RINGZONE AND TRANSIT NODES

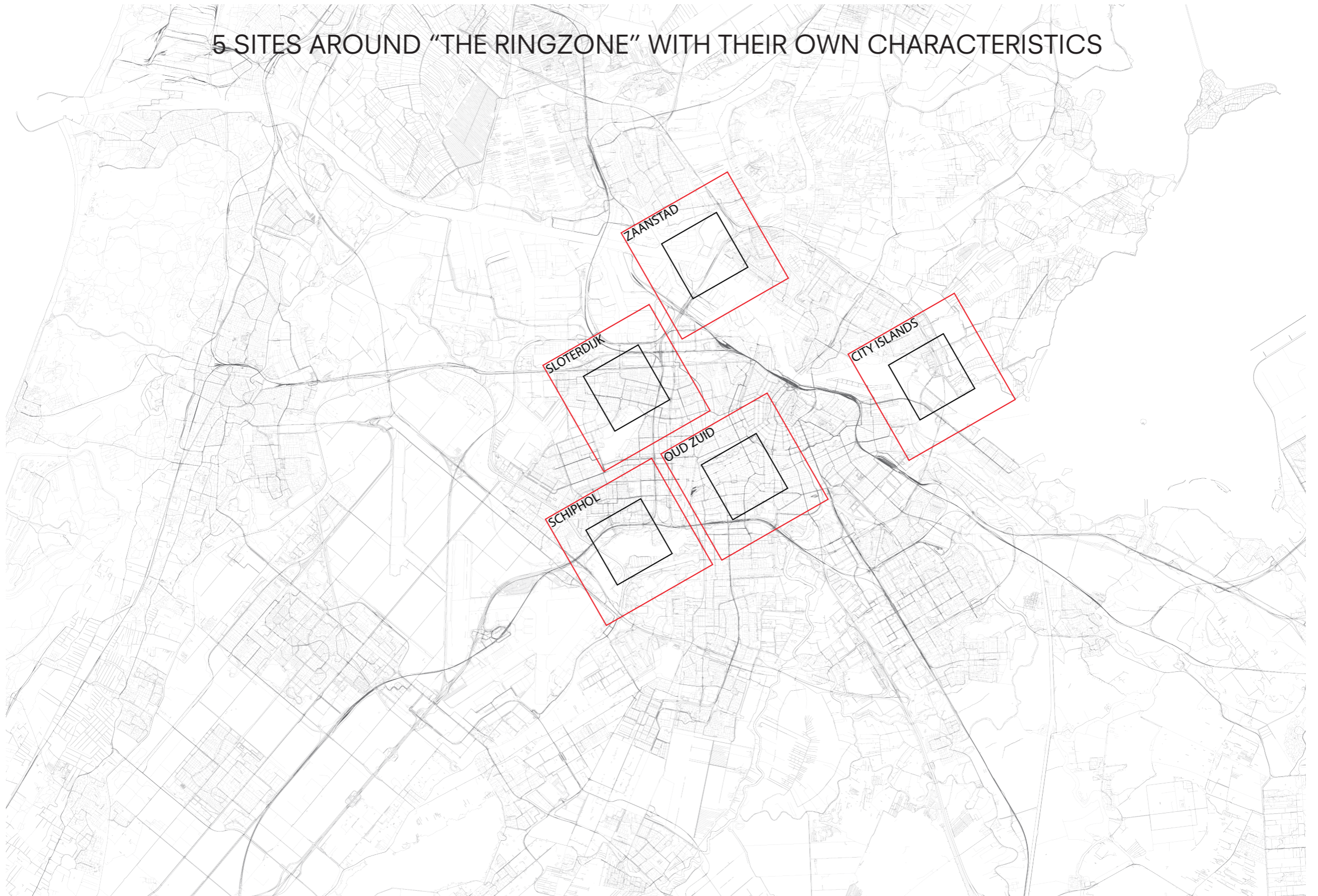


INCREASING ECONOMICAL ACTIVITY IN THE WEST AXIS

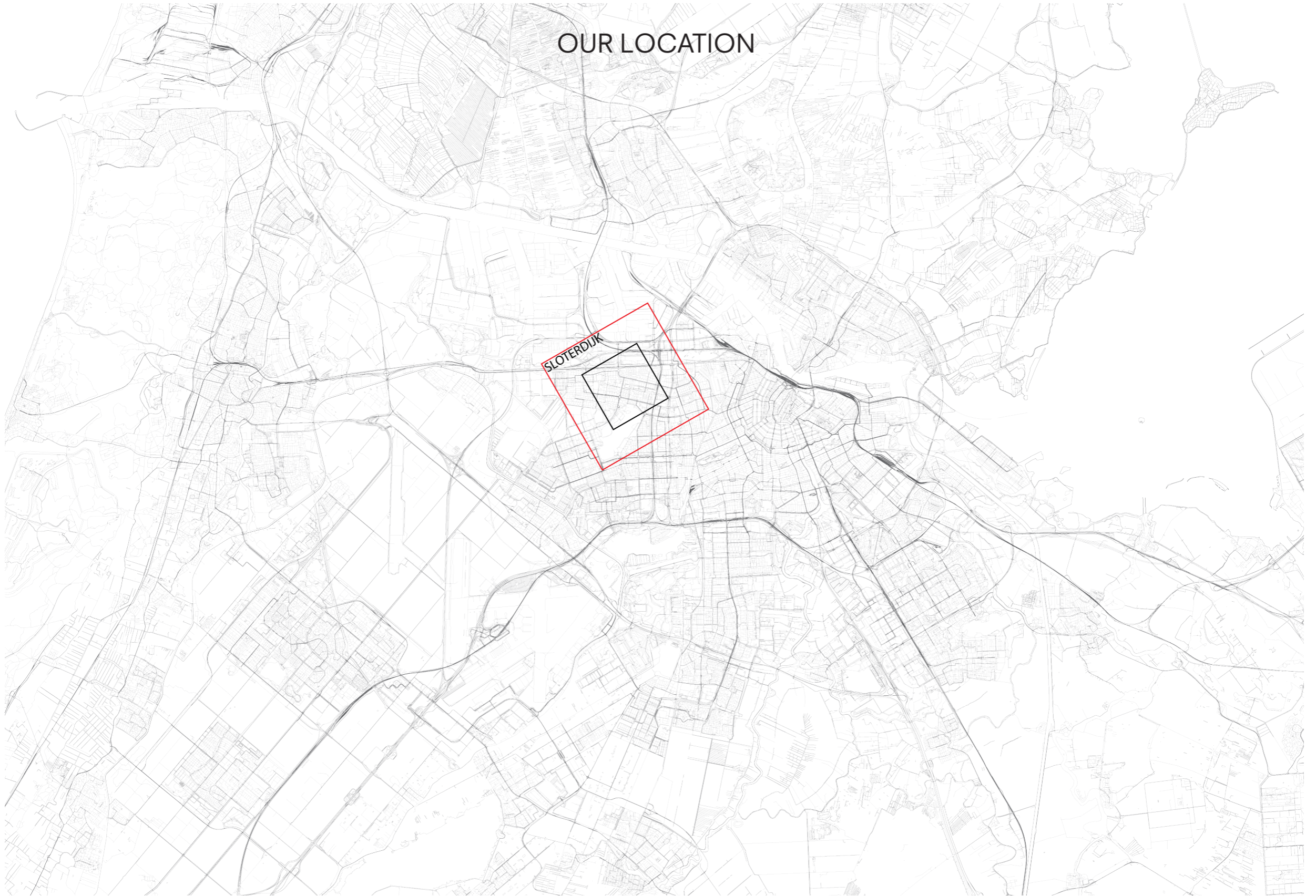


CONTEXT

5 SITES AROUND "THE RINGZONE" WITH THEIR OWN CHARACTERISTICS



OUR LOCATION



SLOTERDIJK

SLOTERDIJK

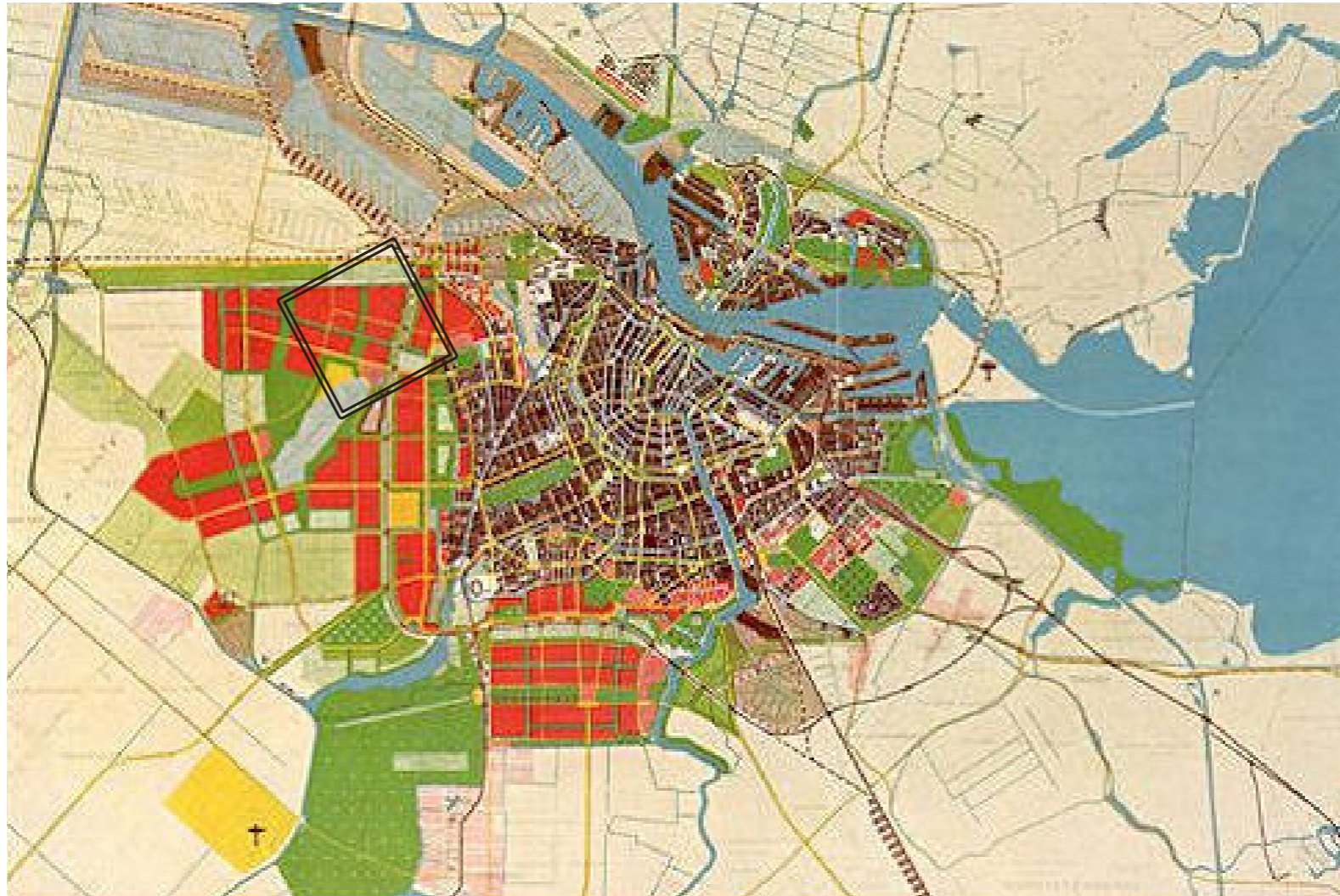


SLOTEDIJK CHARACTERISTICS

SLOTERDIJK SEPARATED BY THE RING A10



SLOTERDIJK AS PART OF THE **WESTERN GARDEN CITIES** AUP 1935



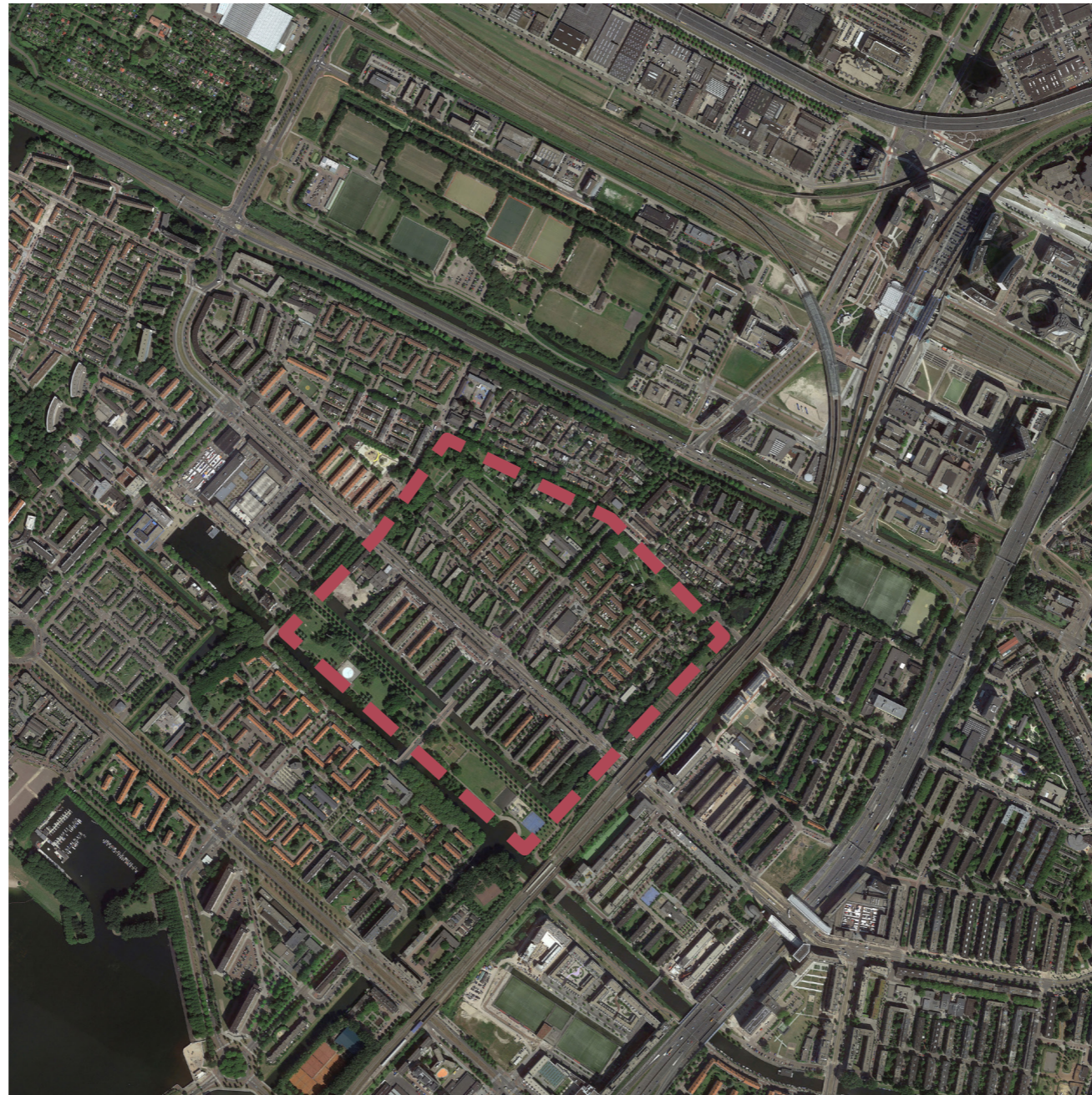
IDEALS "LIGHT, AIR, SPACE"



NOWADAYS STILL A QUALITY



PART IS ASSIGNED AS NATIONAL HERITAGE



BUT ALSO MANY PUBLIC SPACES STAYED UNDERDEVELOPED



GROUP VISION SLOTERDIJK

MODEL GROUP VISION SLOTEDIJK



Existing buildings

Future buildings

DENSIFYING AROUND THE HERITAGE SITE



FOCUSING ON

Local Centre
Sloterdijk





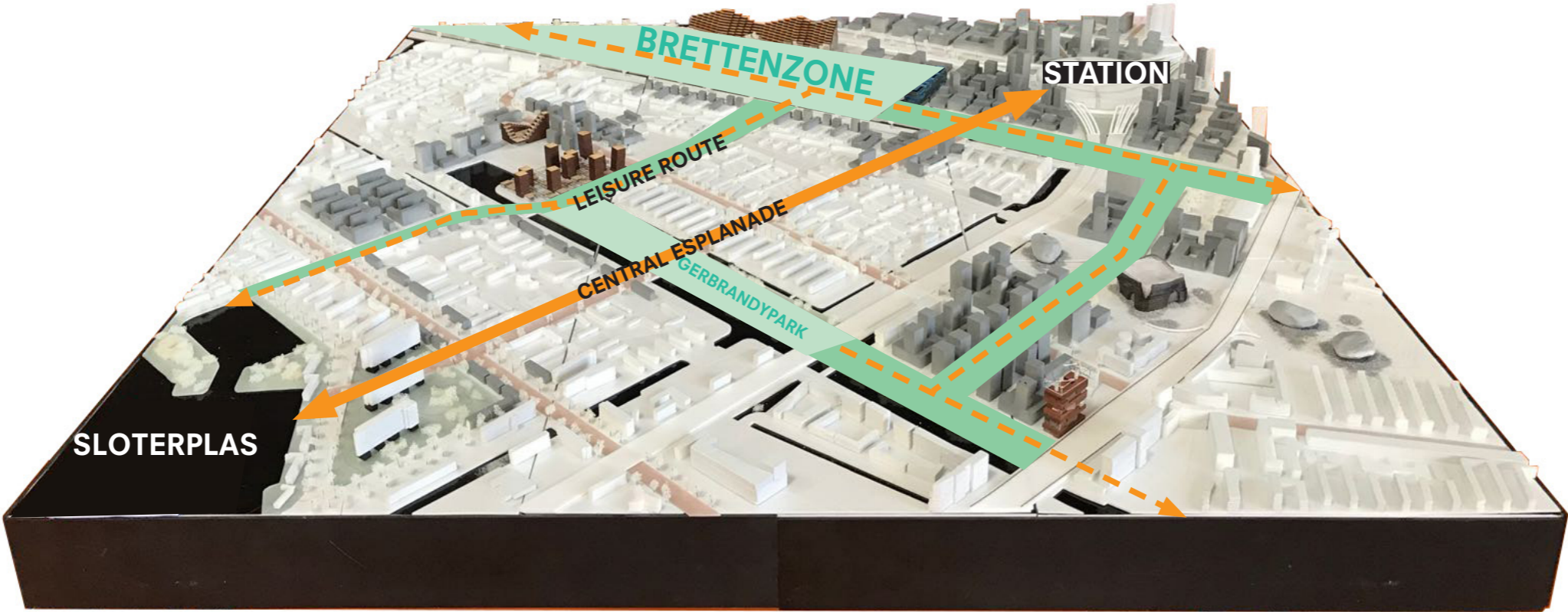
Sloterdijk Station

Ringzone A10

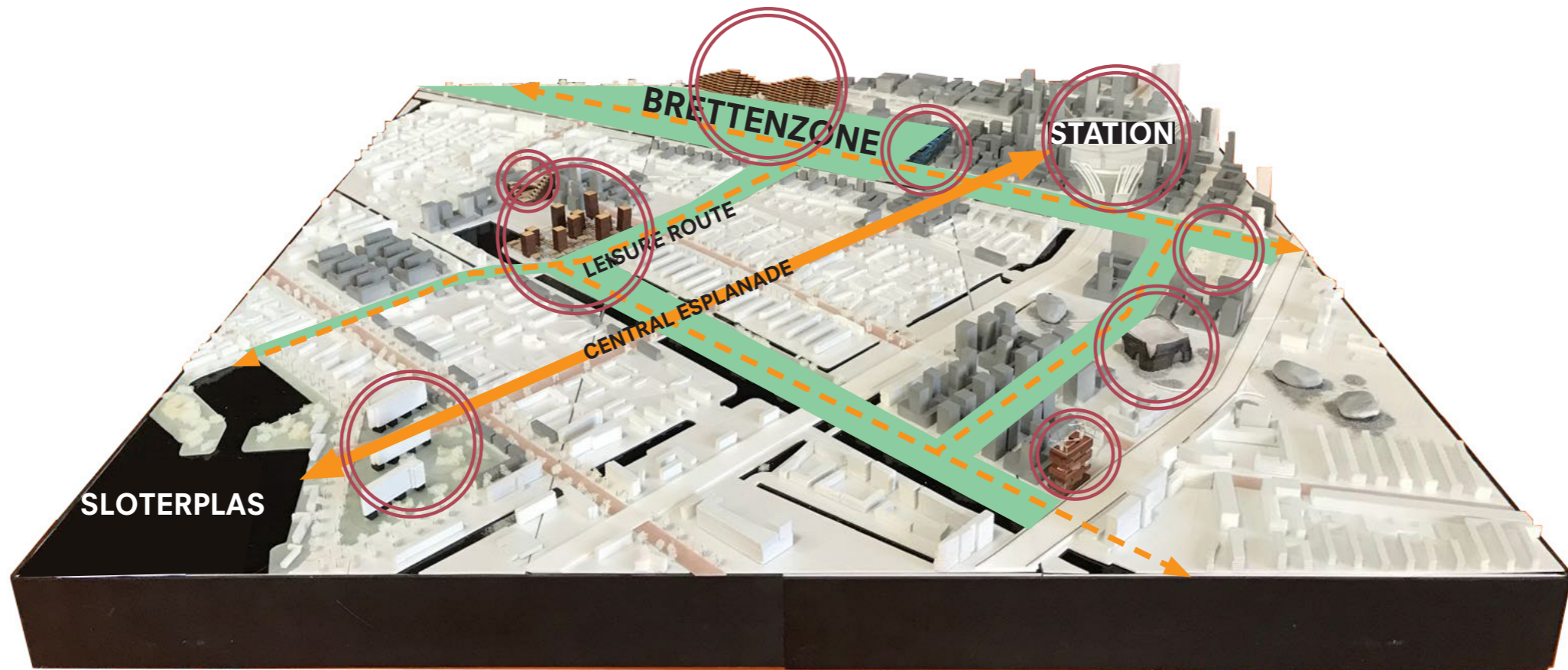
CONNECT SLOTERDIJK WITH CITY CENTRE
BY ACTIVATING THE CITY STREETS



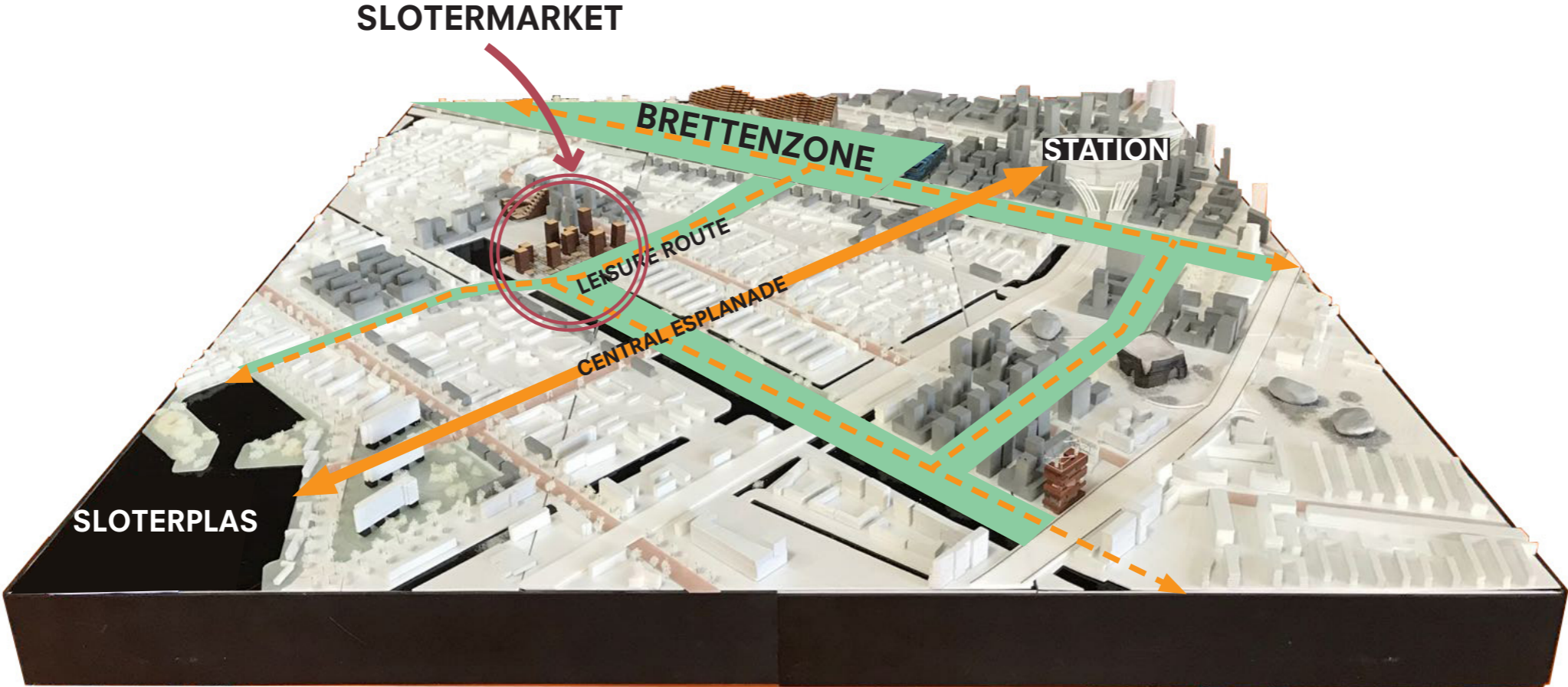
IMPROVE BIODIVERSITY AND ACCESSIBILITY
BY CONNECTING EXISTING GREEN STRUCTURES



GROUP VISION SLOTERDIJK WITH INDIVIDUAL INTERVENTIONS



MY LOCATION



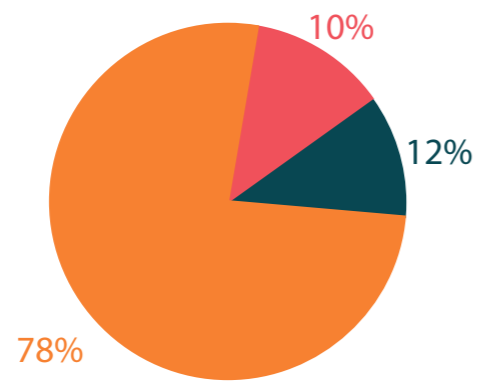
INDIVIDUAL RESEARCH
DIVERSITY AND INCLUSION

SLOTEDIJK ATTRACTED MANY LABOR MIGRANTS
IN 60s & 70s

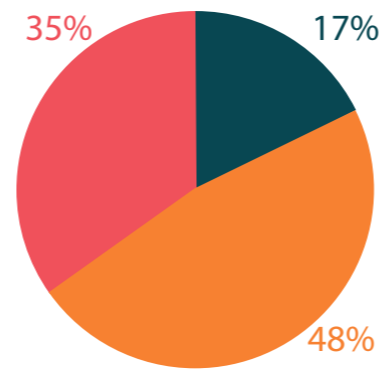


DEMOGRAPHICS 2018

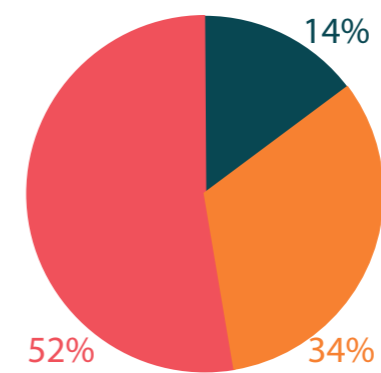
NETHERLANDS



AMSTERDAM



SLOTERDIJK



DUTCH
WESTERN
NON WESTERN

MORE THAN 50% NON WESTERN BACKGROUND

NETHERLANDS



AMSTERDAM

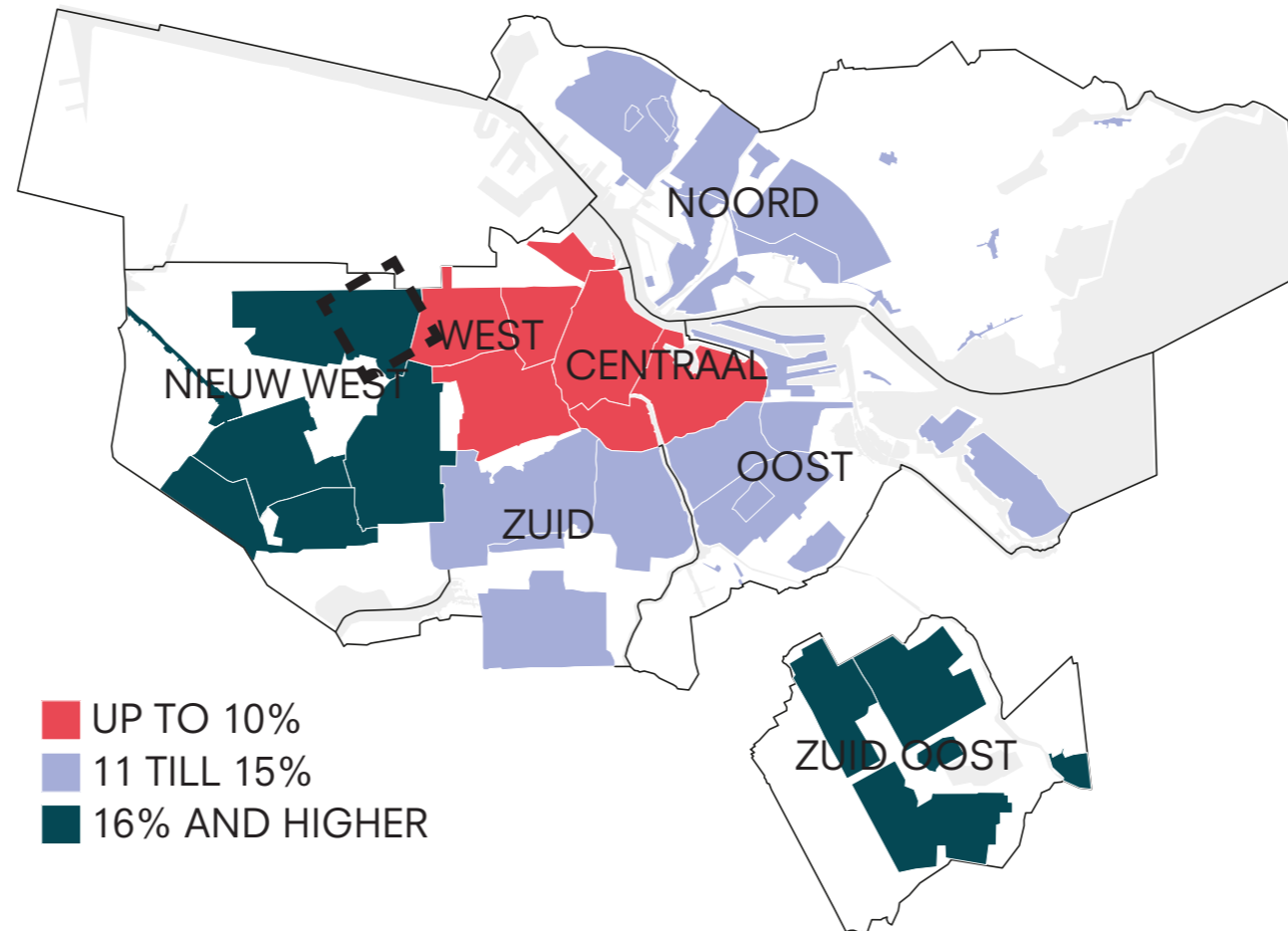


SLOTERDIJK

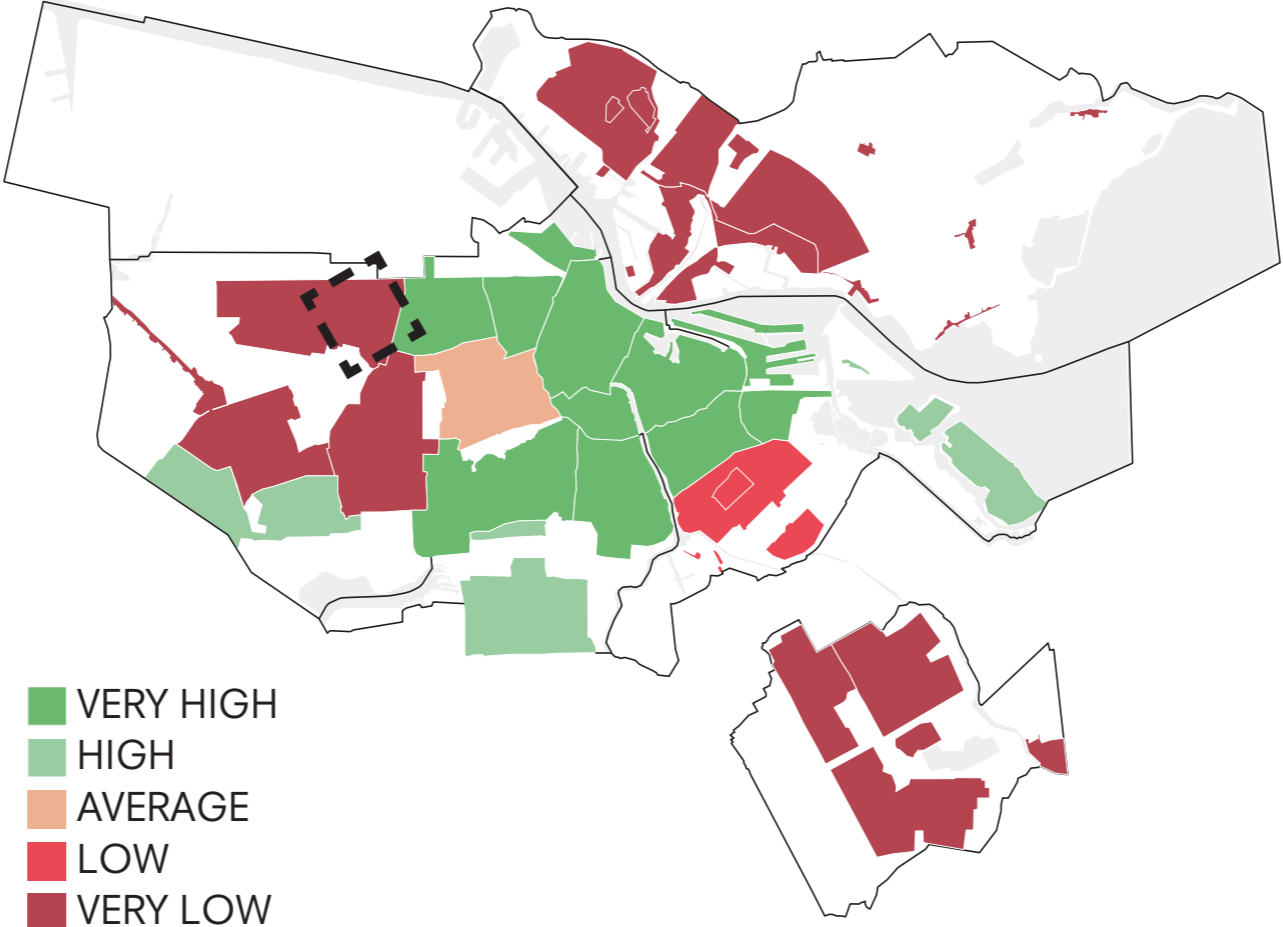


NON WESTERN

LONELINESS PER DISTRICT

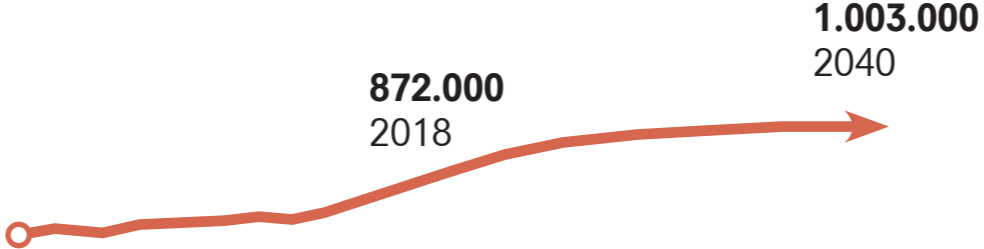


LABOUR PARTICIPATION VERY LOW

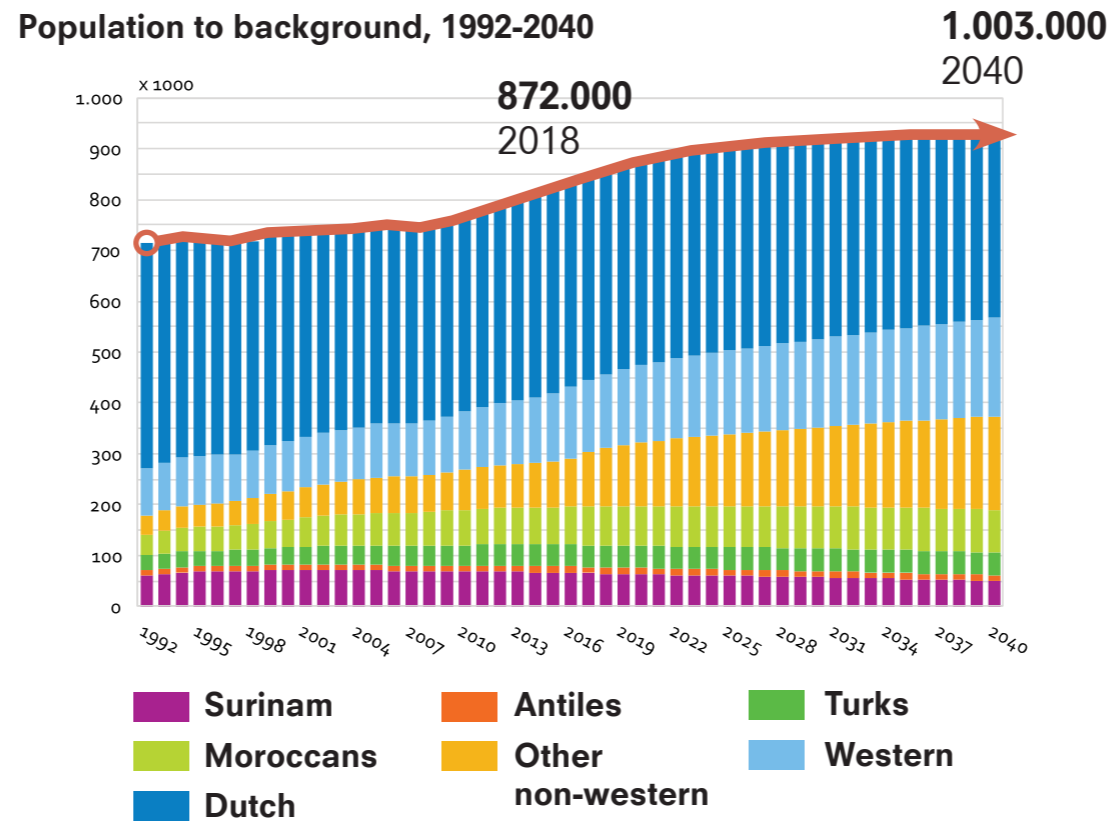


- VERY HIGH
- HIGH
- AVERAGE
- LOW
- VERY LOW

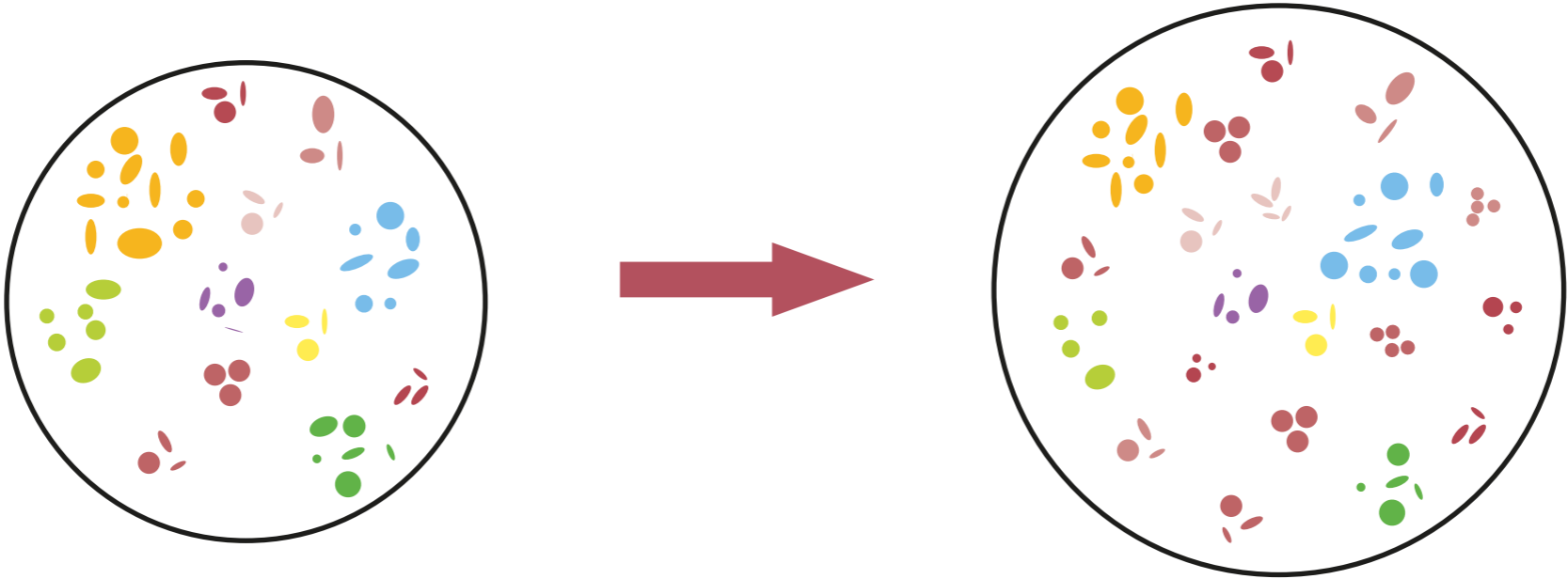
FUTURE POPULATION



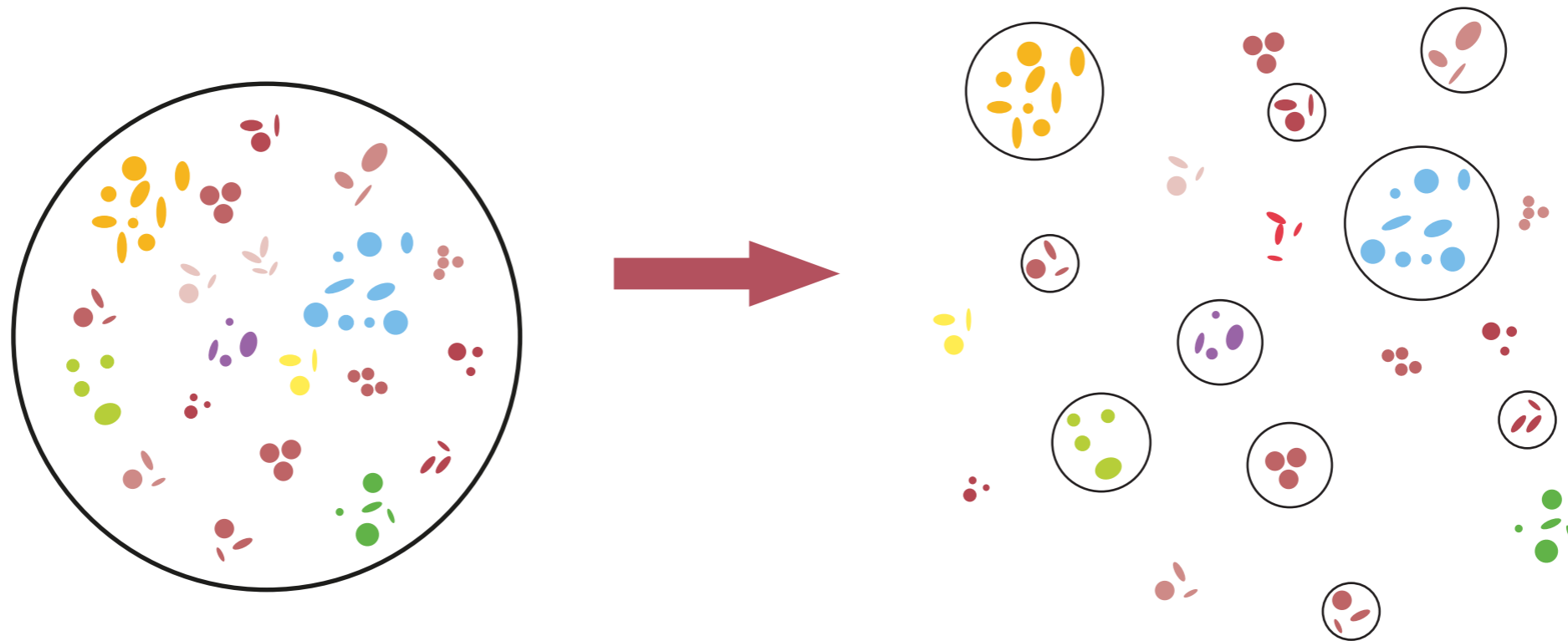
DIVERSITY IN FUTURE



DIVERSITY IS GROWING



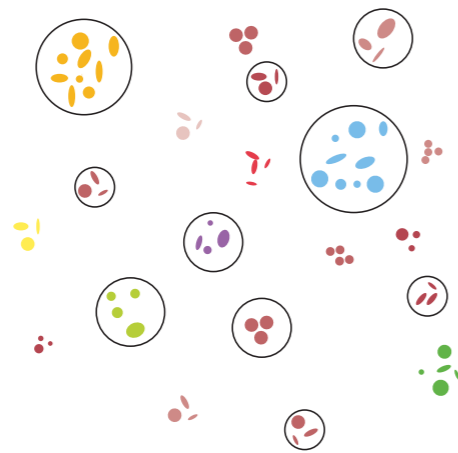
MORE PEOPLE, MORE GROUPS, MORE SEGREGATION?



SEGREGATION ARISES WHERE PEOPLE OF DIFFERENT GROUPS AREN'T MEETING EACH OTHER ANYMORE AND THEREFORE DO NOT UNDERSTAND EACH OTHER'S WORLD

CHALLENGES SLOTERDIJK

SOCIAL SEPARATION



POOR PUBLIC SPACE



HIGH UNEMPLOYMENT



RESEARCH QUESTION

WHAT ARCHITECTURAL INTERVENTION IN A GARDENCITY 2.0
COULD STIMULATE PARTICIPATION AND INTERACTION IN ORDER TO PREVENT SEGREGATION?

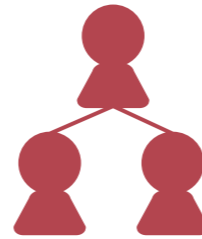
INCLUSIVENESS

SPATIAL INCLUSION



ESSENTIAL
INFRASTRUCTURE AND
SERVICES AND
AMENITIES FOR EVERYONE

SOCIAL INCLUSION



STIMULATE INTERACTION

ECONOMICAL INCLUSION



LOW THRESHOLD
OPPORTUNITIES

COLLAGE
"AN INCLUSIVE PLACE"



DESIGN STRATEGY

LOW THRESHOLD AMENITIES



Create ownership

DIVERSITY



Place for different cultures & lifestyles

PARTICIPATION



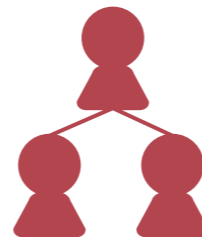
Create low threshold job opportunities

FLEXIBLE



Migration flows are unpredictable

SOCIAL INTERACTION



Facilitate meeting spots

FUNCTIONAL GREEN



To blend in with existing structures in Sloterdijk

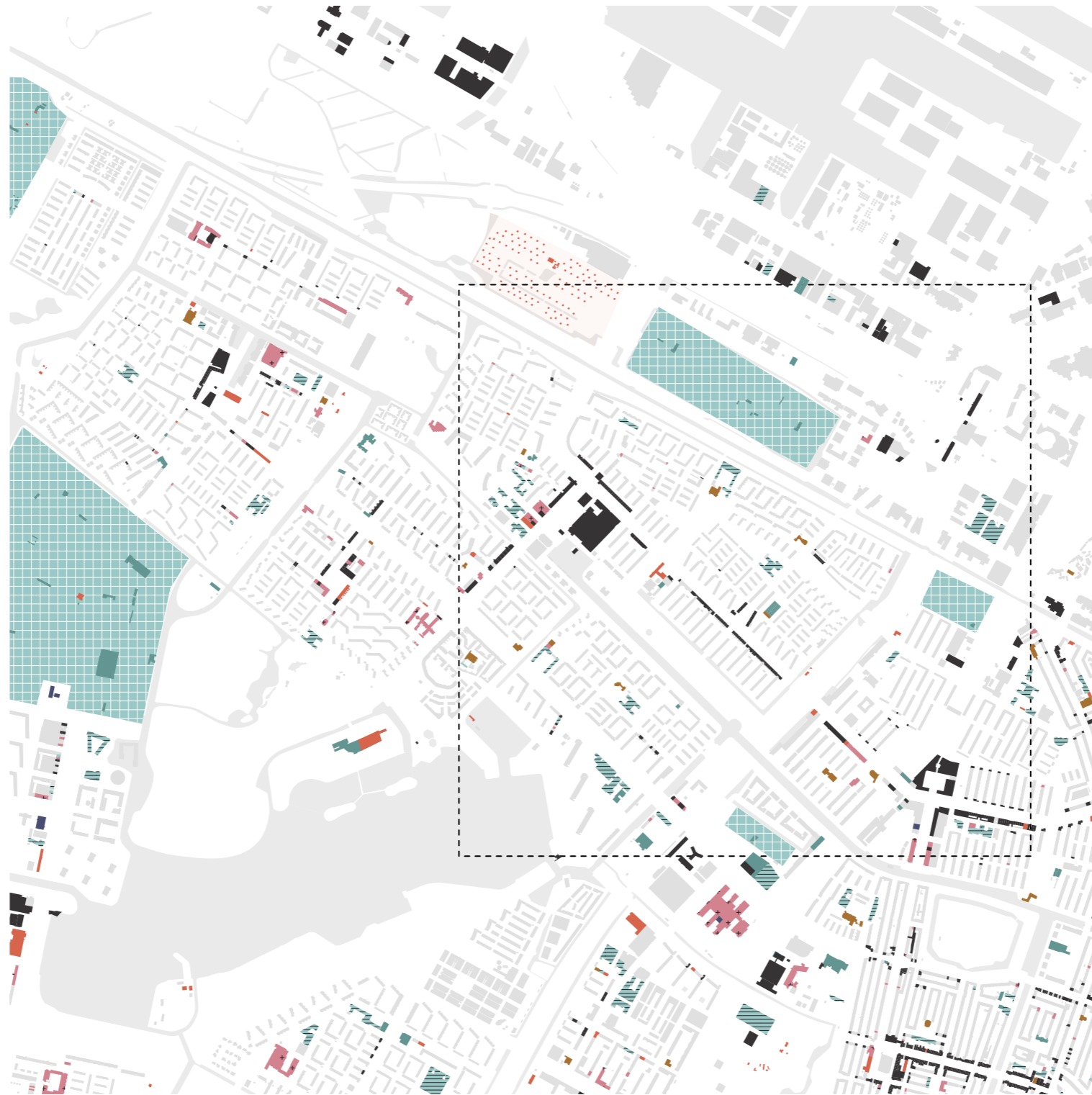
PROPOSAL

A NEW VIBRANT MARKETPLACE FOR SLOTERDIJK

INTERACTION TAKES PLACE ON MARKETS



NOT ENOUGH AMENITIES AND SERVICES IN SLOTERDIJK



- Legend**
- retail/restaurant
 - education
 - health
 - religion
 - sports activities
 - culture
 - civic



MARKET NOT THE MAIN REASON TO VISIT THE LOCAL CENTRE



"GIVE PLACE TO DIFFERENT CULTURES"



STIMULATE INTERACTION
"A PATTERN OF STREETS, SQUARES AND GREEN"



MIDDLE EASTERN SOUKS AND BAZARS INTEGRATED IN THE CITY STREETS



ISTANBUL GREAT BAZAR EMBEDDED IN THE URBAN FABRIC



PATTERN OF STREETS AND SQUARES



RETAIL
CIRCULATION

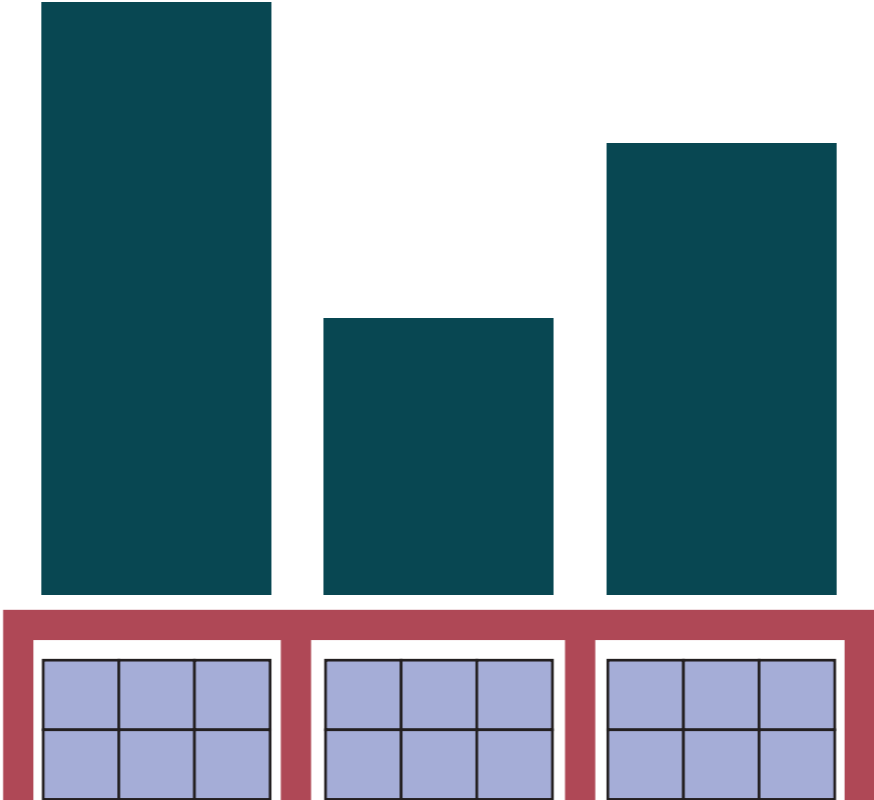
COLLAGE
"TRANSLATION OF THE SOUK IN SLOTERDIJK?"



CONCEPT

CONCEPT

HOUSING

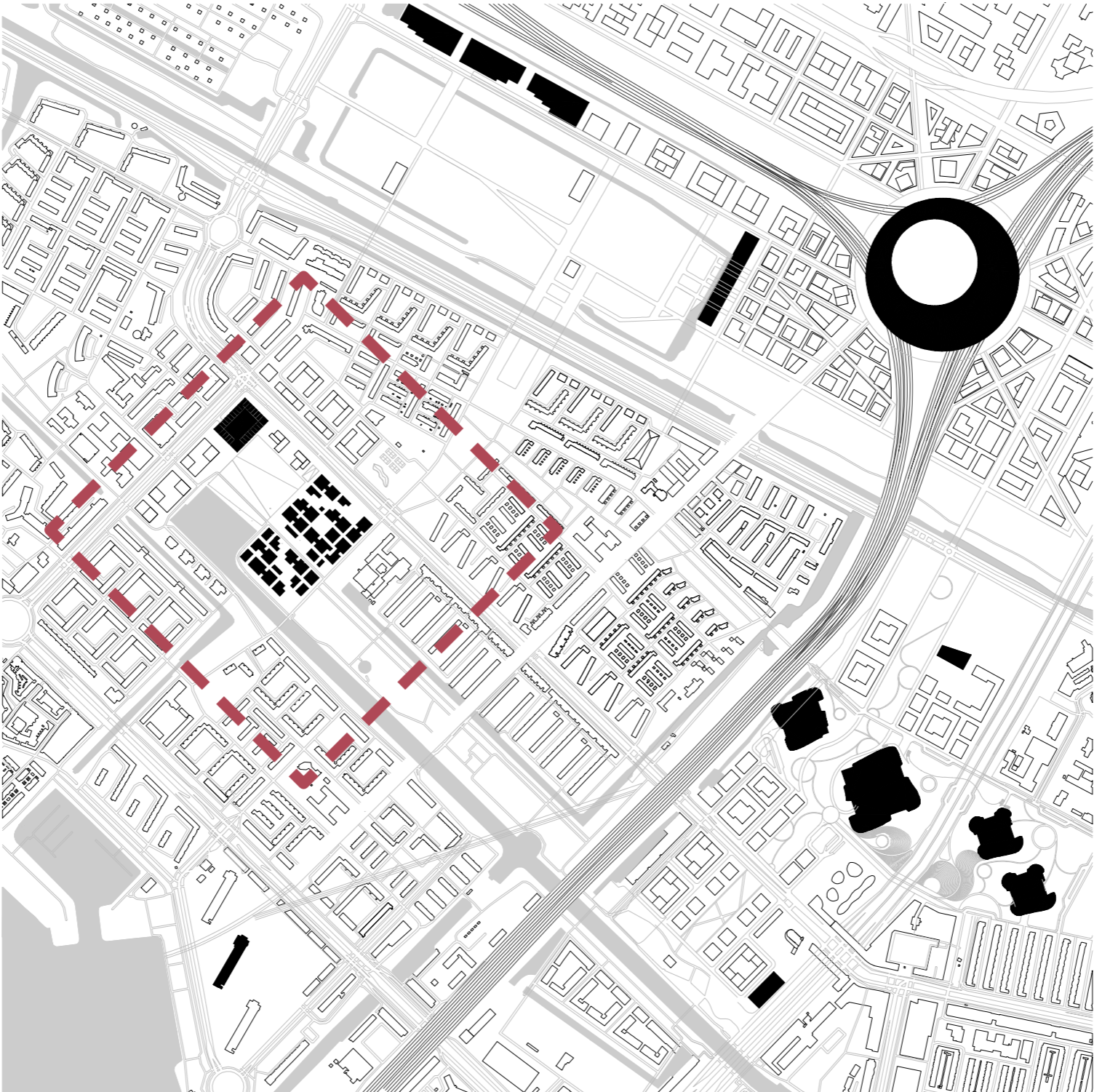


CONNECTING ELEMENT

FLEXIBLE PIXELS

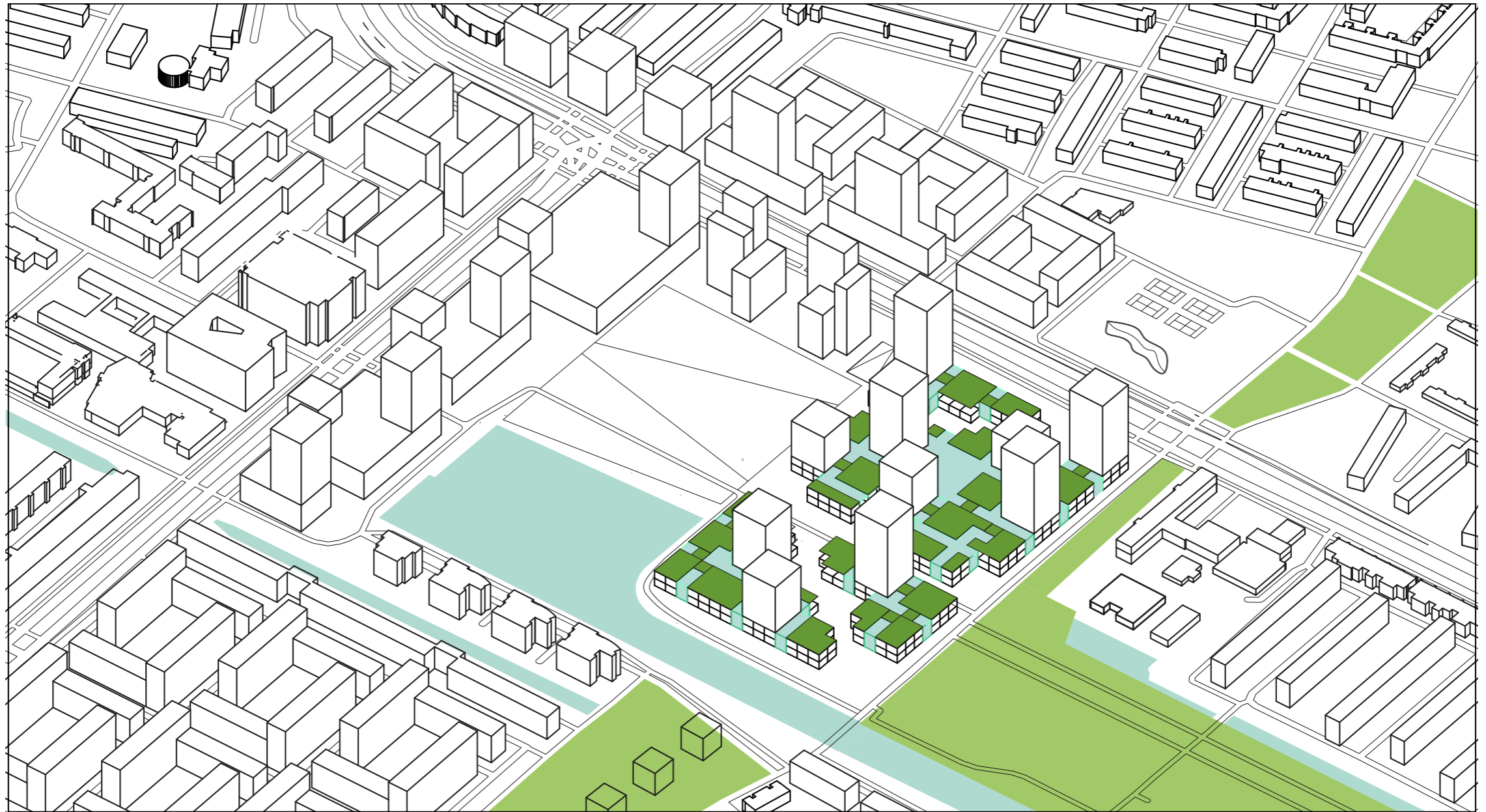
LOCATION CHOICE

LOCAL CENTRE SLOTEDIJK

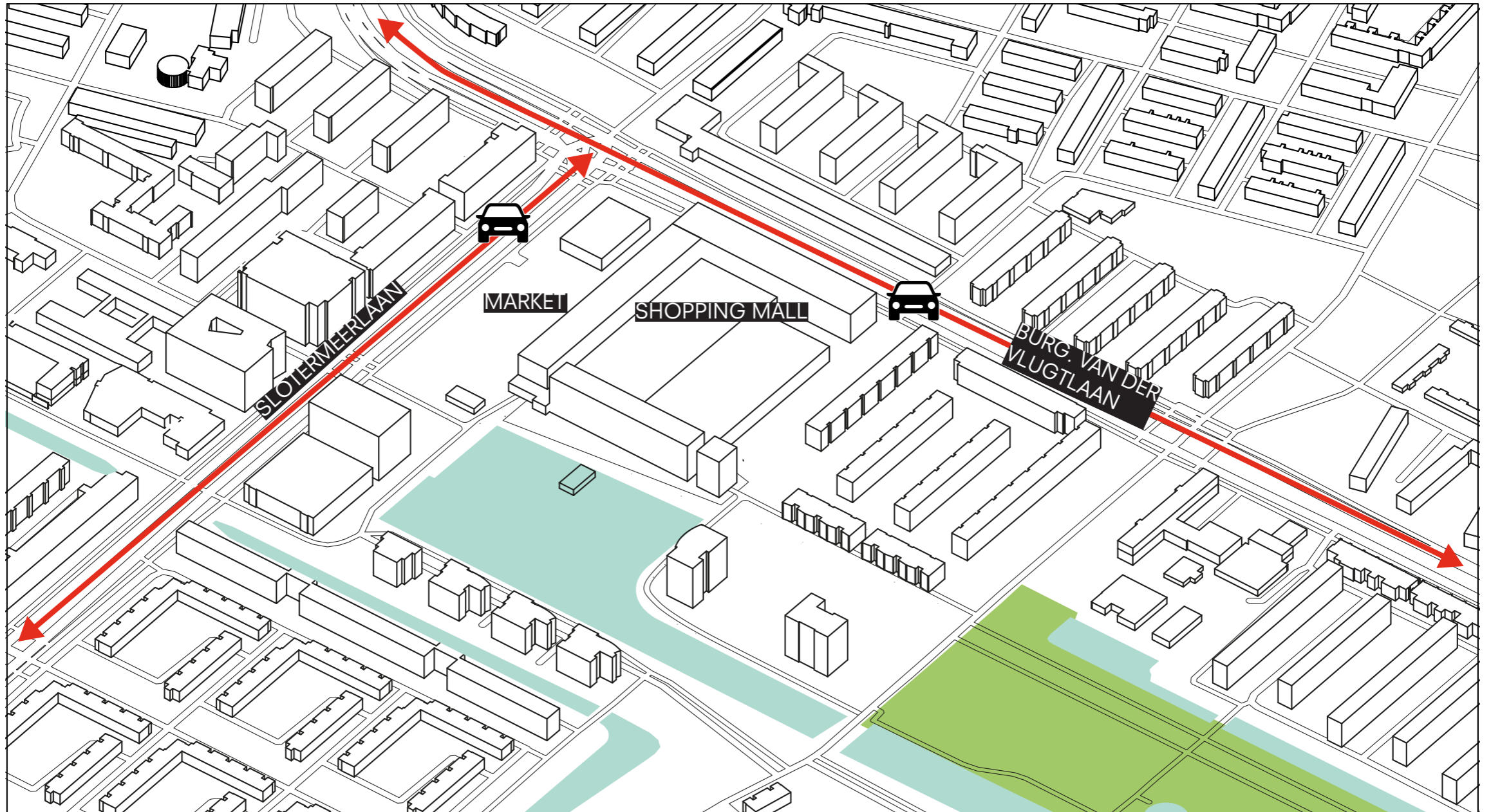


STRATEGY MASTERPLAN

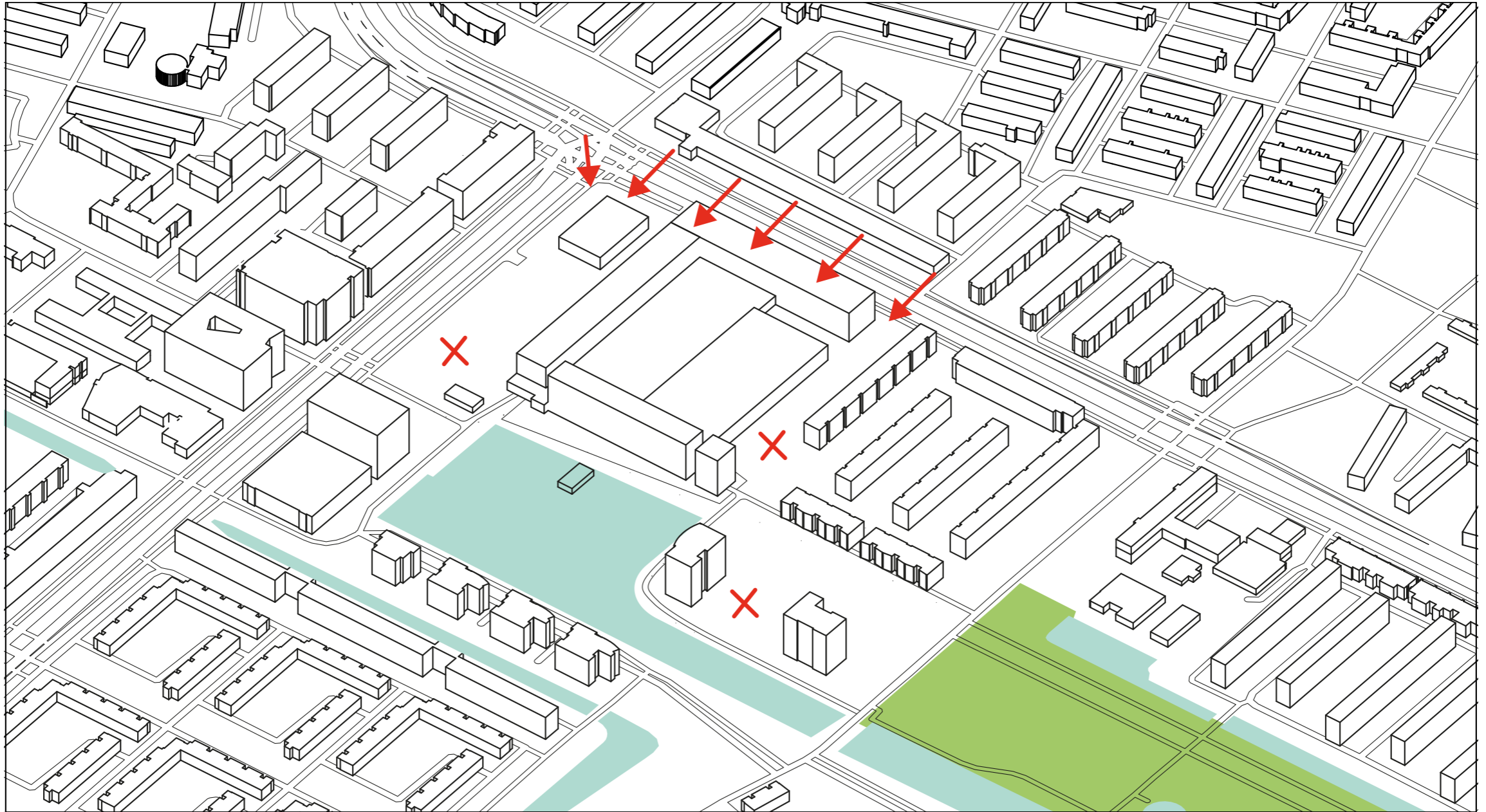
NEW SITUATION



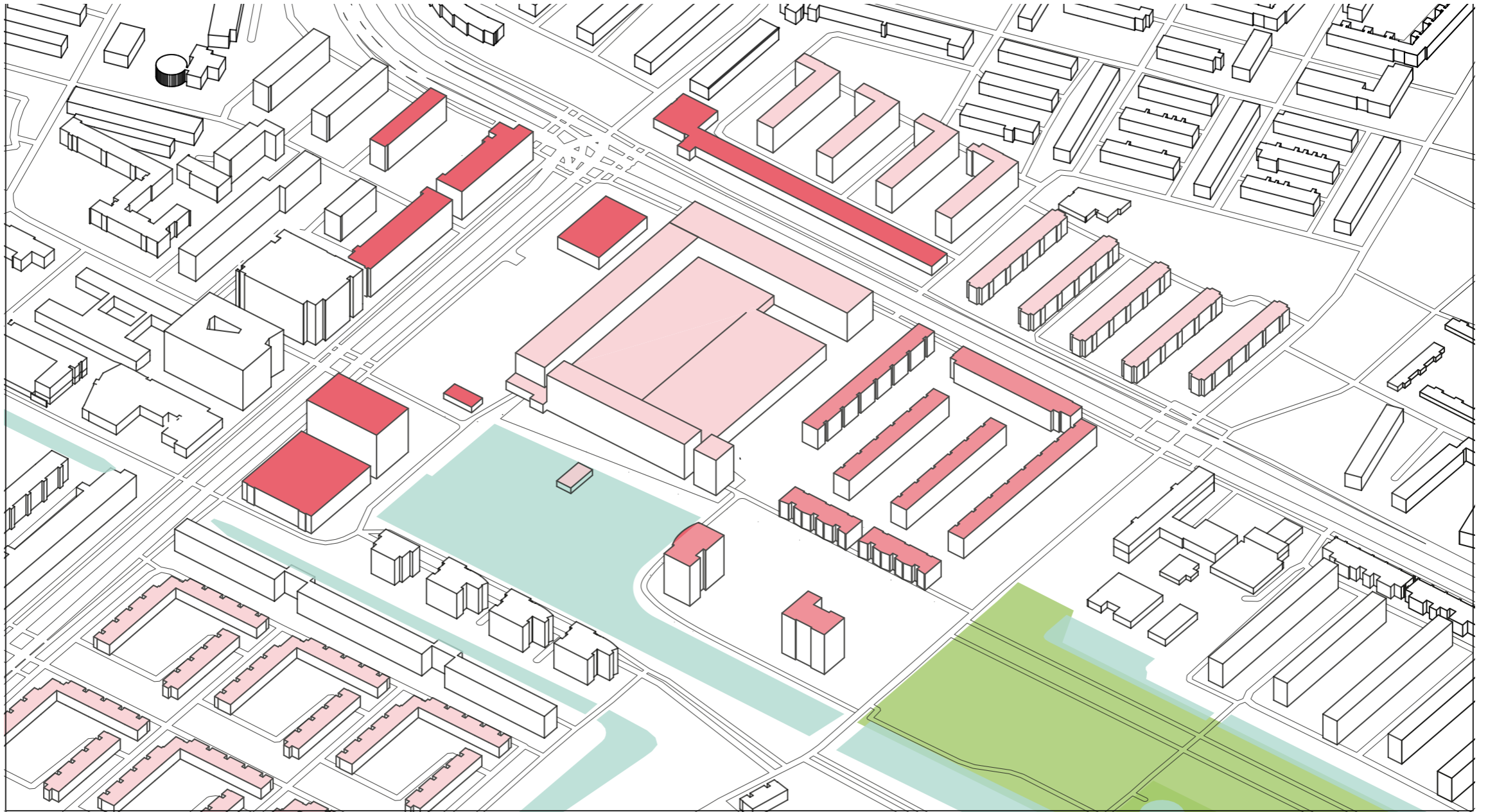
CURRENT SITUATION



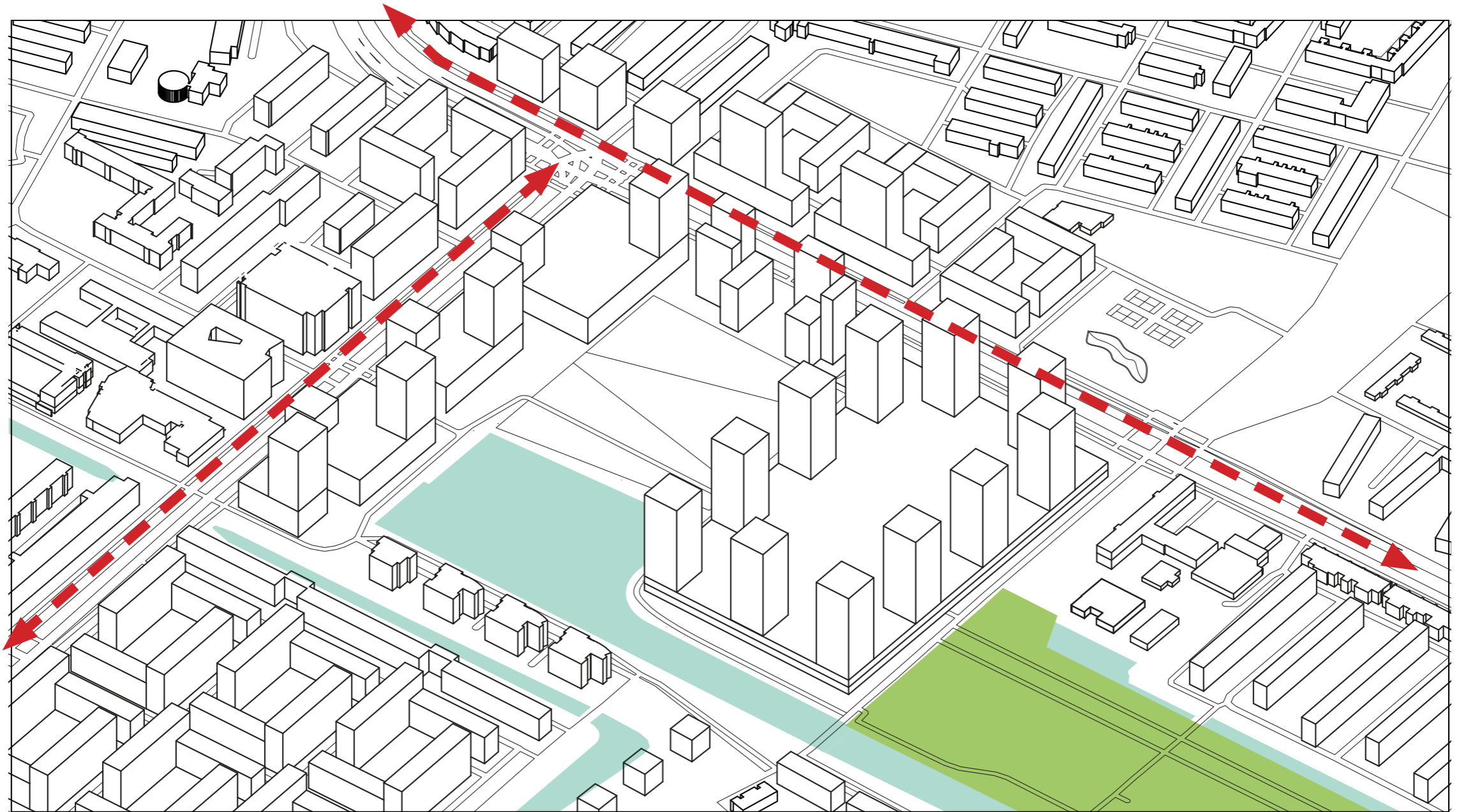
IEWS ON THE WATER ARE BLOCKED AND PUBLIC SPACE
HAS POOR QUALITY



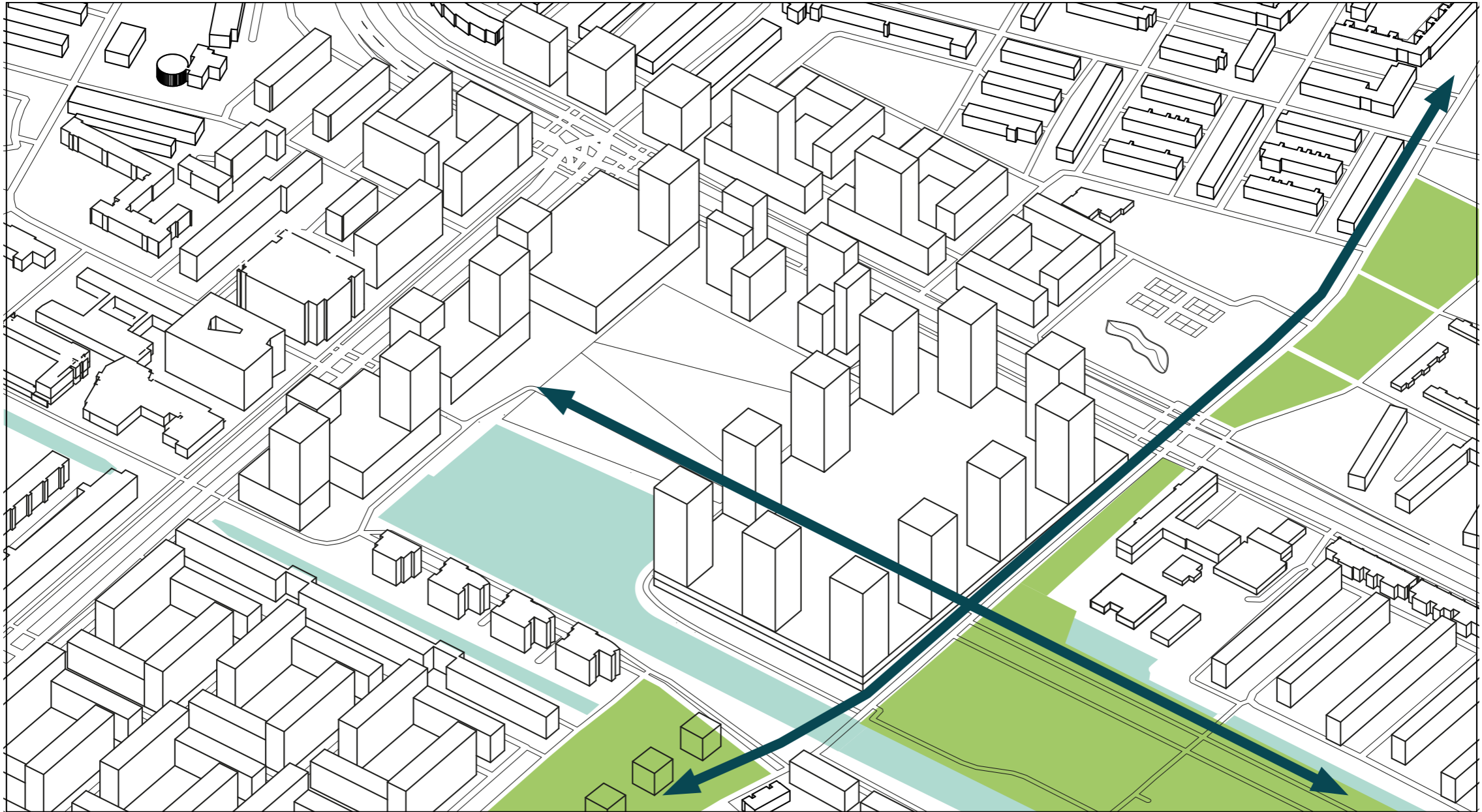
DEMOLISH IN PHASES



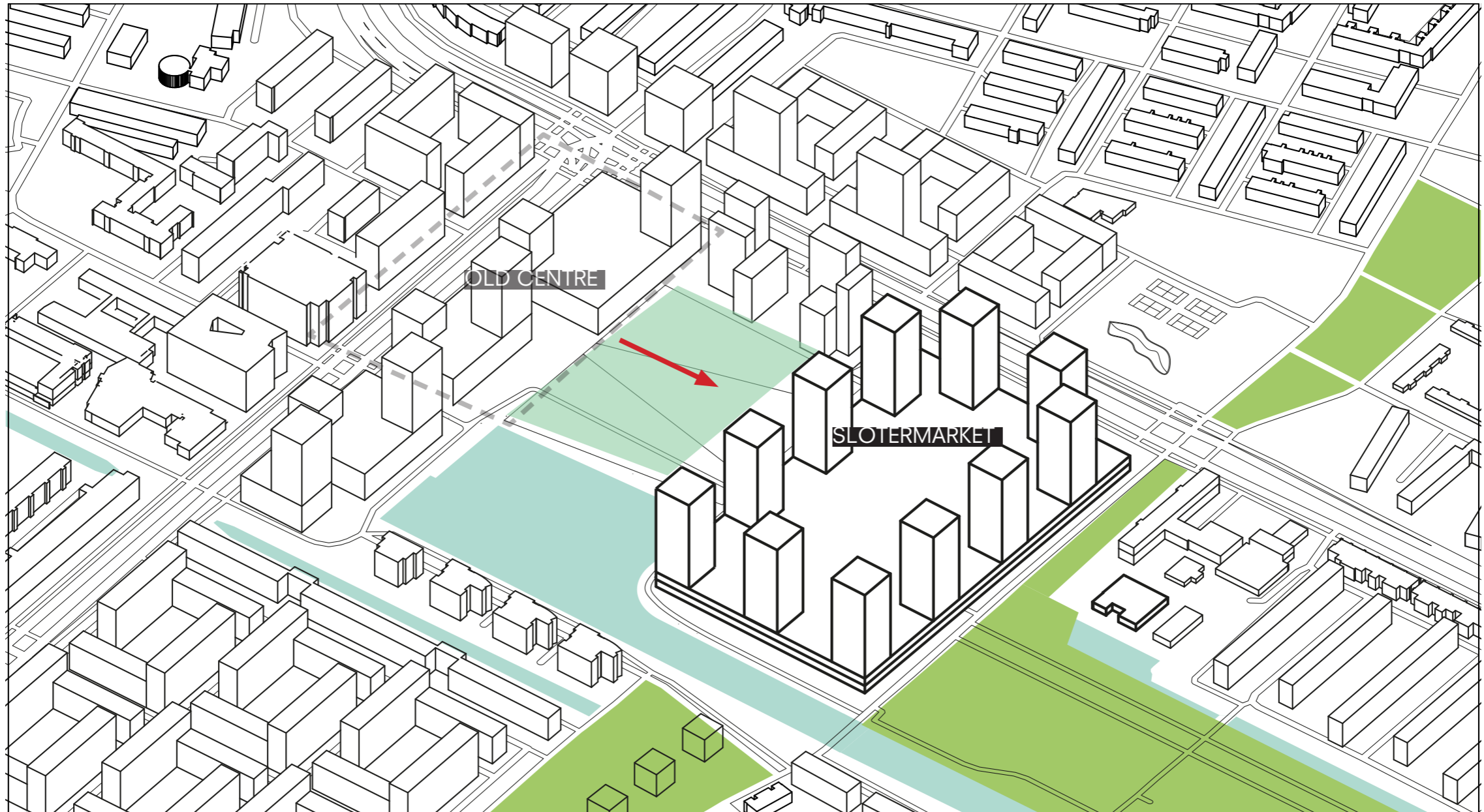
DENSIFICATION IS NEEDED TO ACTIVATE THE LOCAL CENTRE



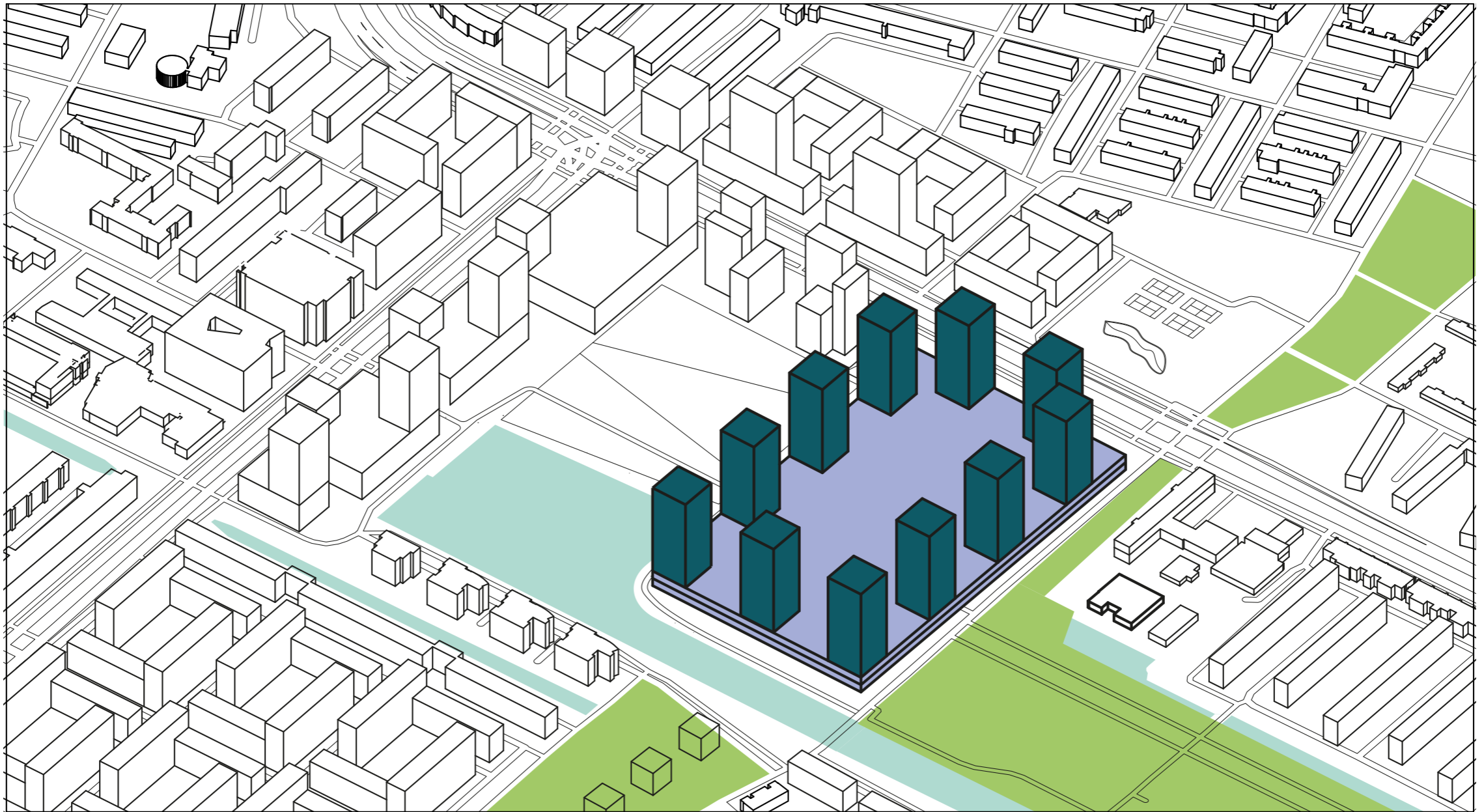
FOCUS SHOULD SHIFT FROM CAR ACCESSIBILITY TO SLOW TRAFFIC



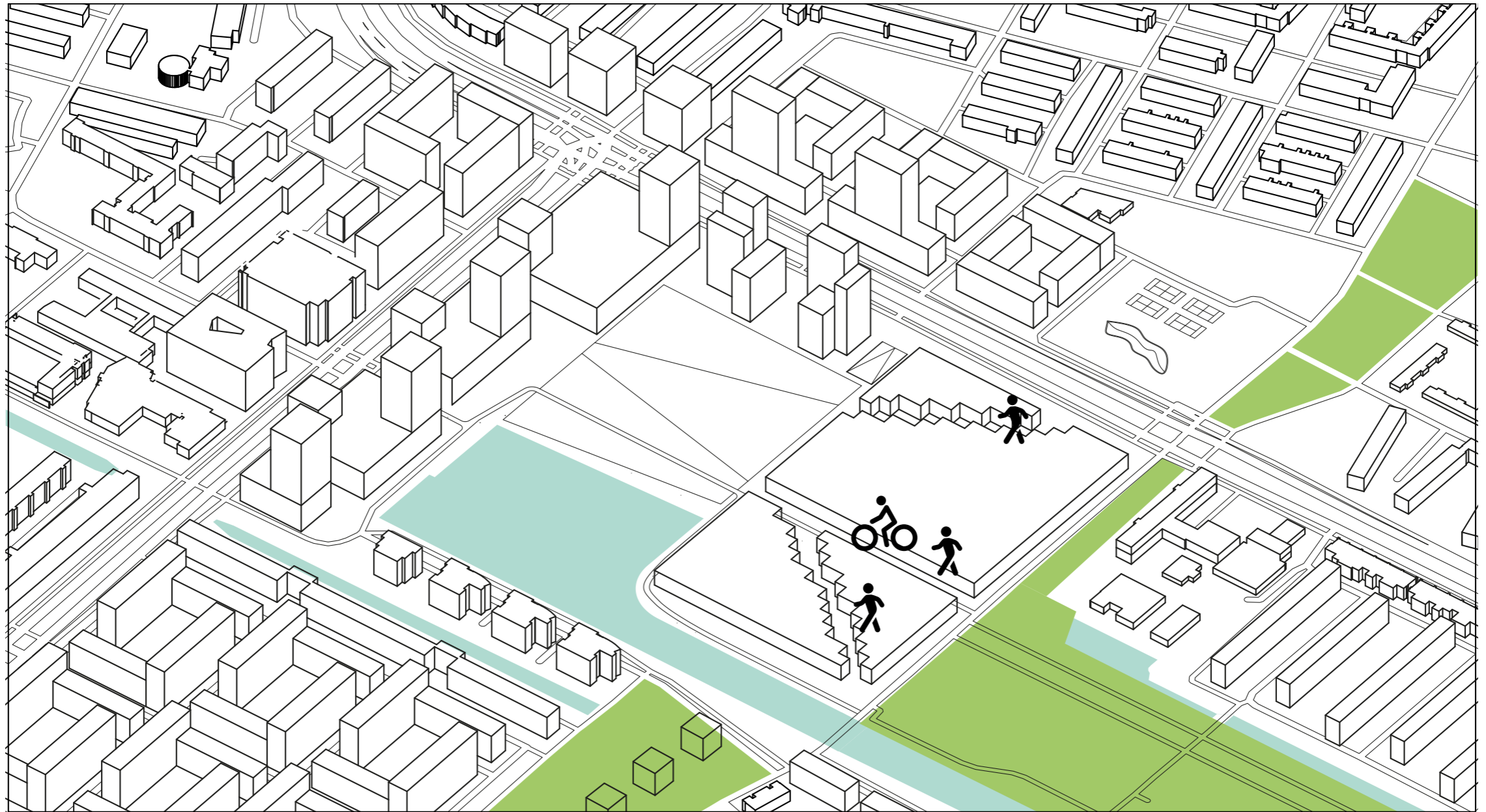
CENTRE WILL BE MOVED TO THE NEW MARKET CREATING
A NEW SQUARE WITH OPENNESS TO THE WATER



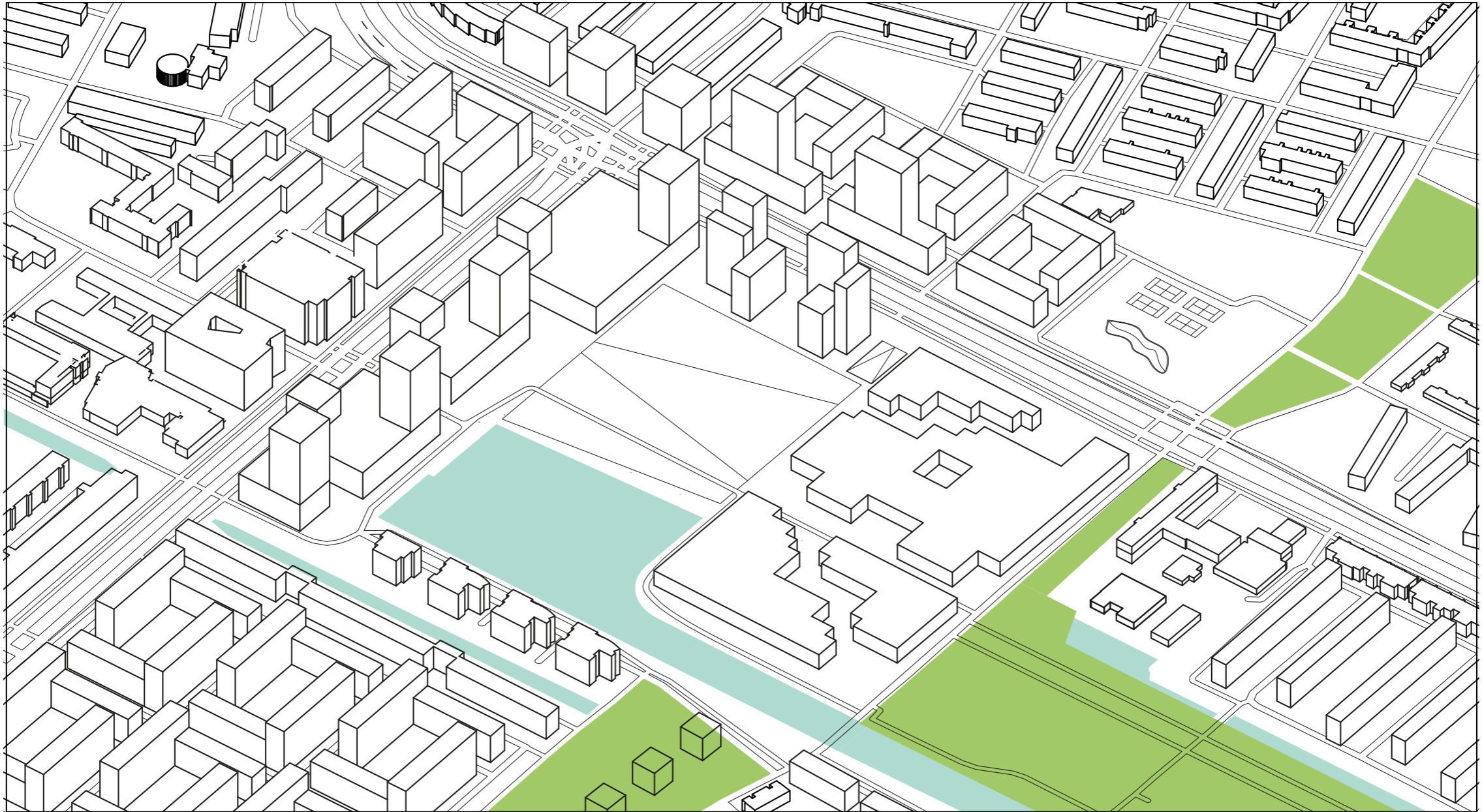
THE MARKET WILL CONSIST OF TWO FLOORS OF A MIXED PROGRAM OF RETAIL AND HOUSING TOWERS



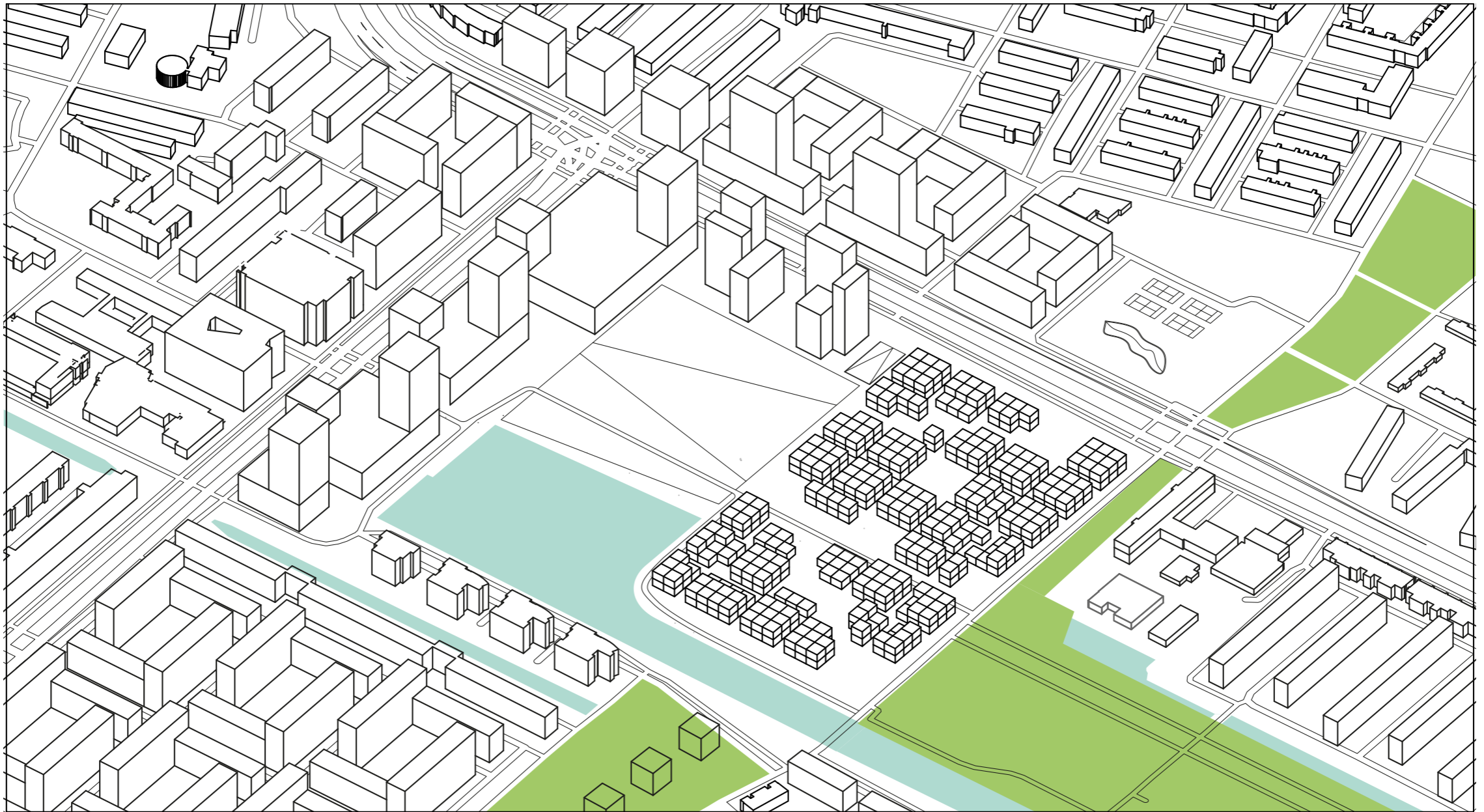
CUT OUT AXES FOR SLOW TRAFFIC



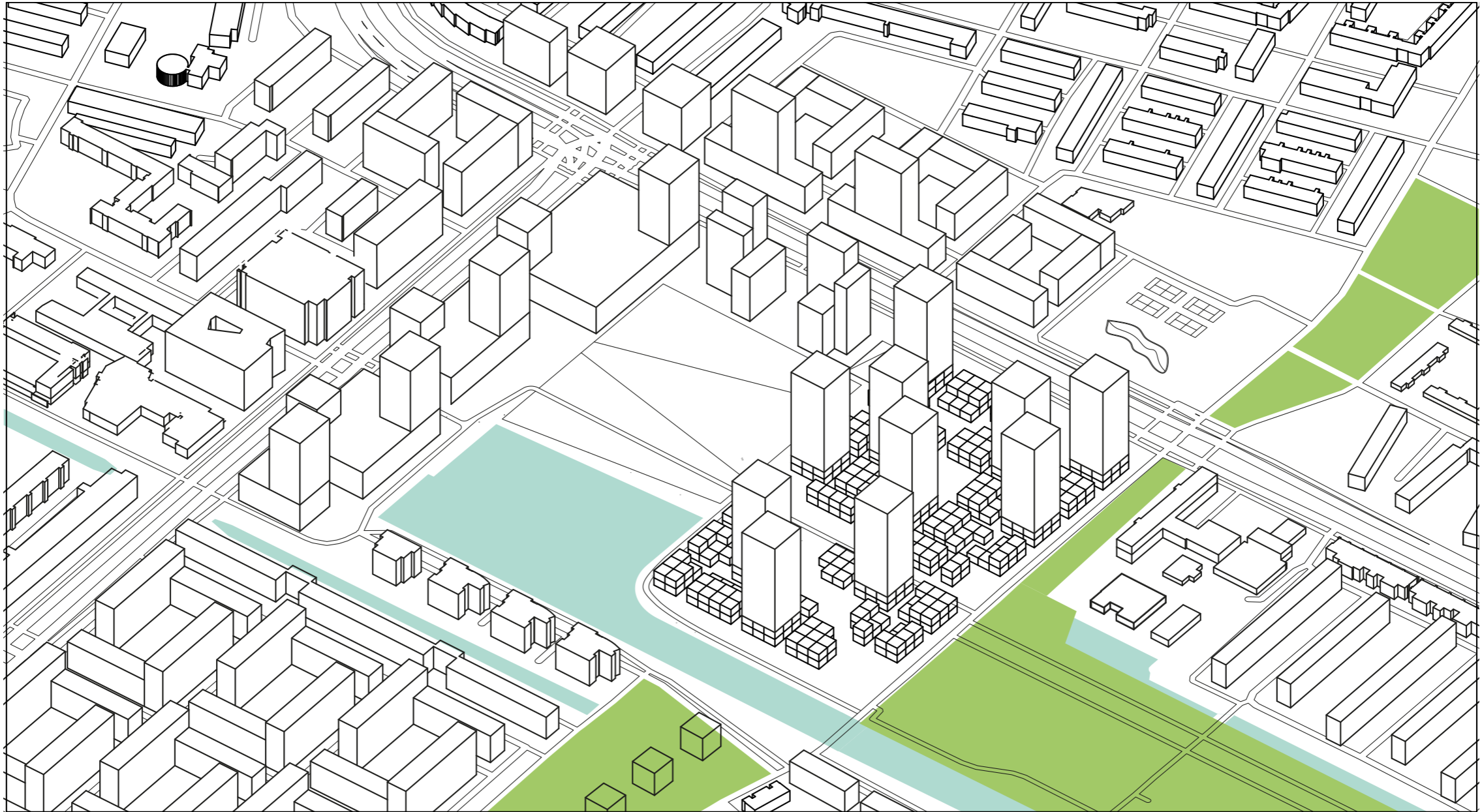
ADD INTERNAL AND EXTERNAL SQUARES



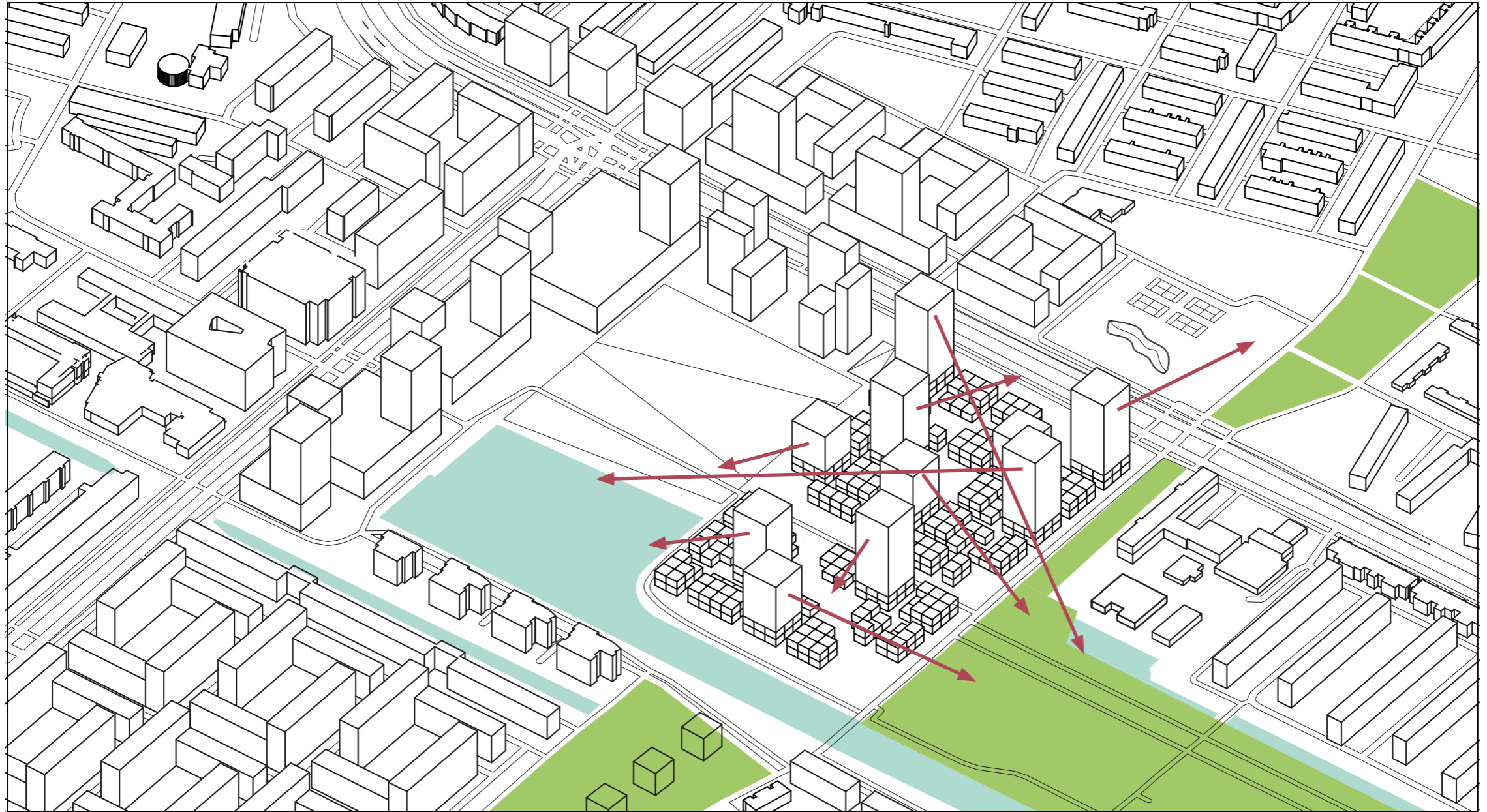
PIXELS: BY USING A GRID A PATTERN OF STREETS AND SQUARES COULD BE MADE



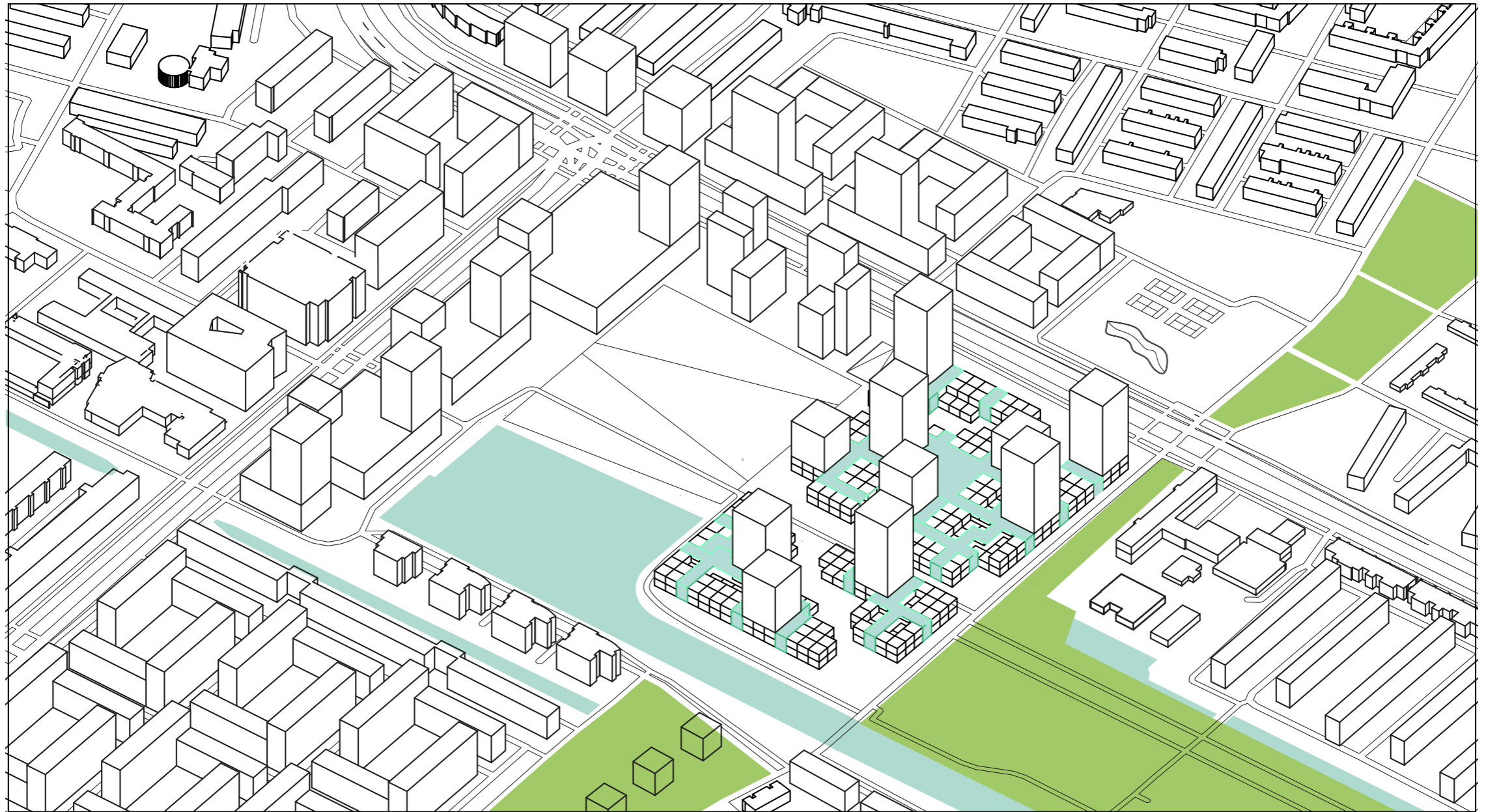
LOCATE THE ENTRANCES OF THE TOWERS AT THE EDGES OF THE BUILDING AND ALONG THE PEDESTRIAN ZONES



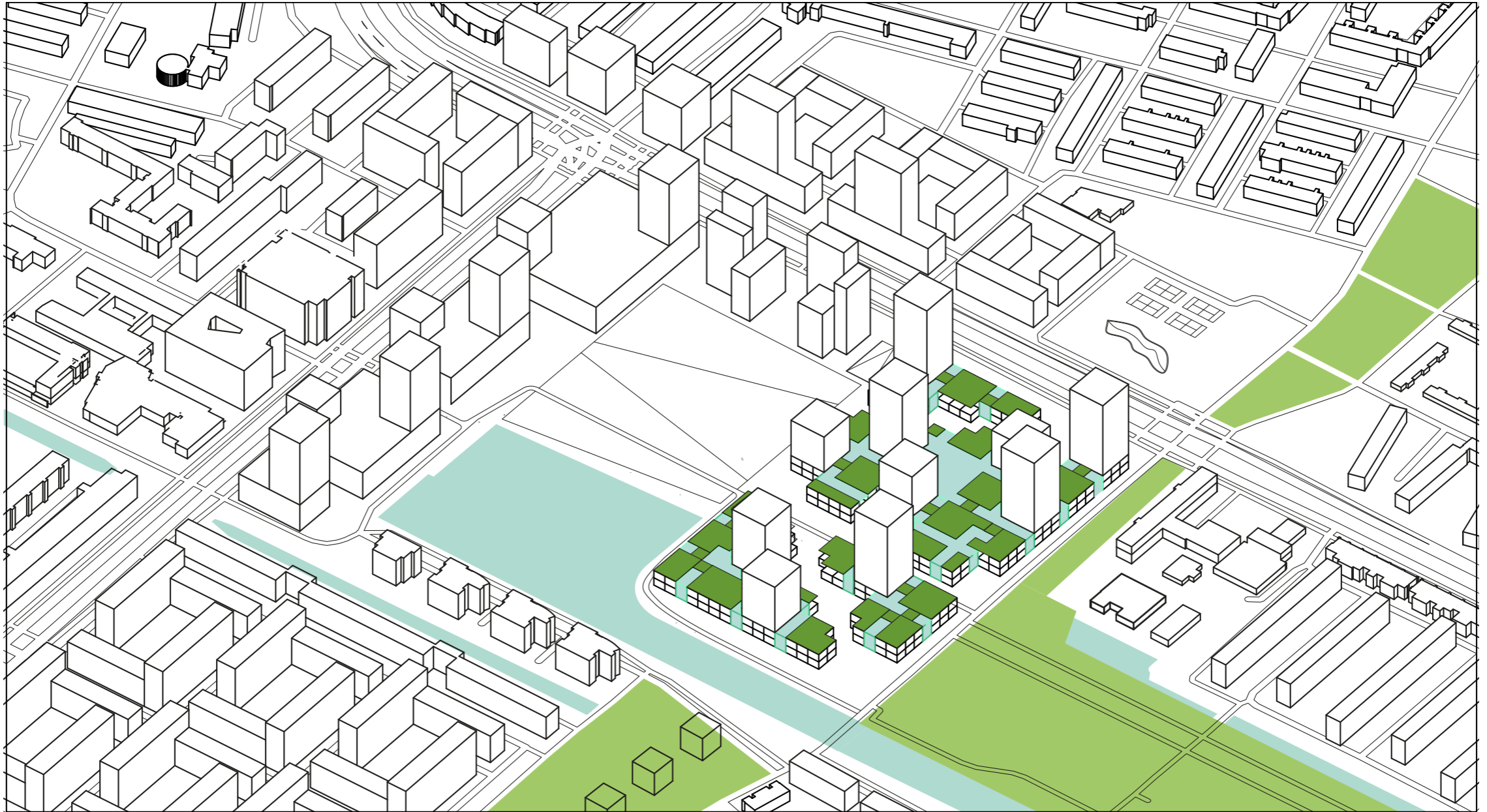
DIFFERENT HEIGHTS TO PROVIDE VIEWS



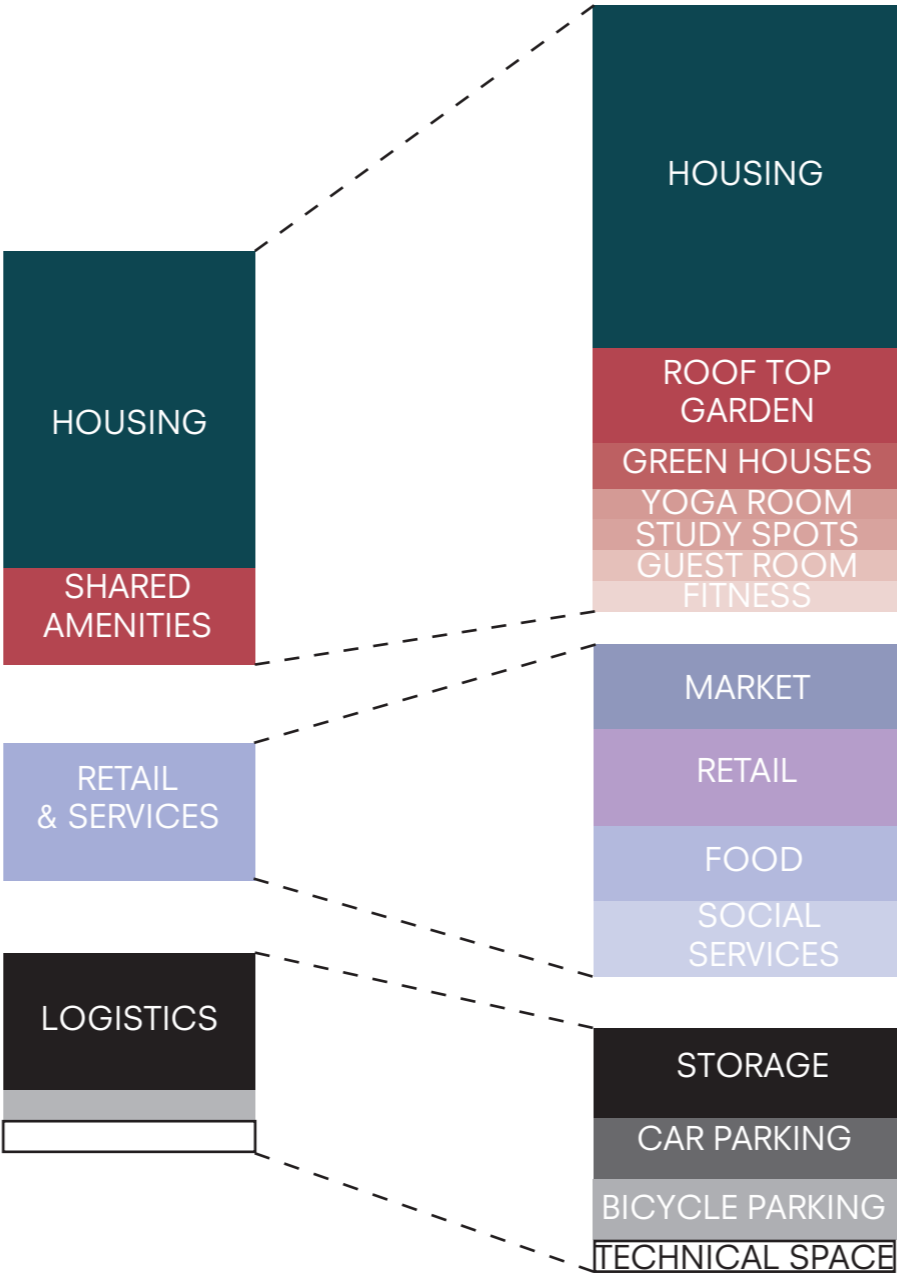
COVER THE INTERNAL STREETS AND SQUARE WITH A ROOF



PROVIDE SHARED ROOF GARDENS FOR THE HOUSING BLOCKS



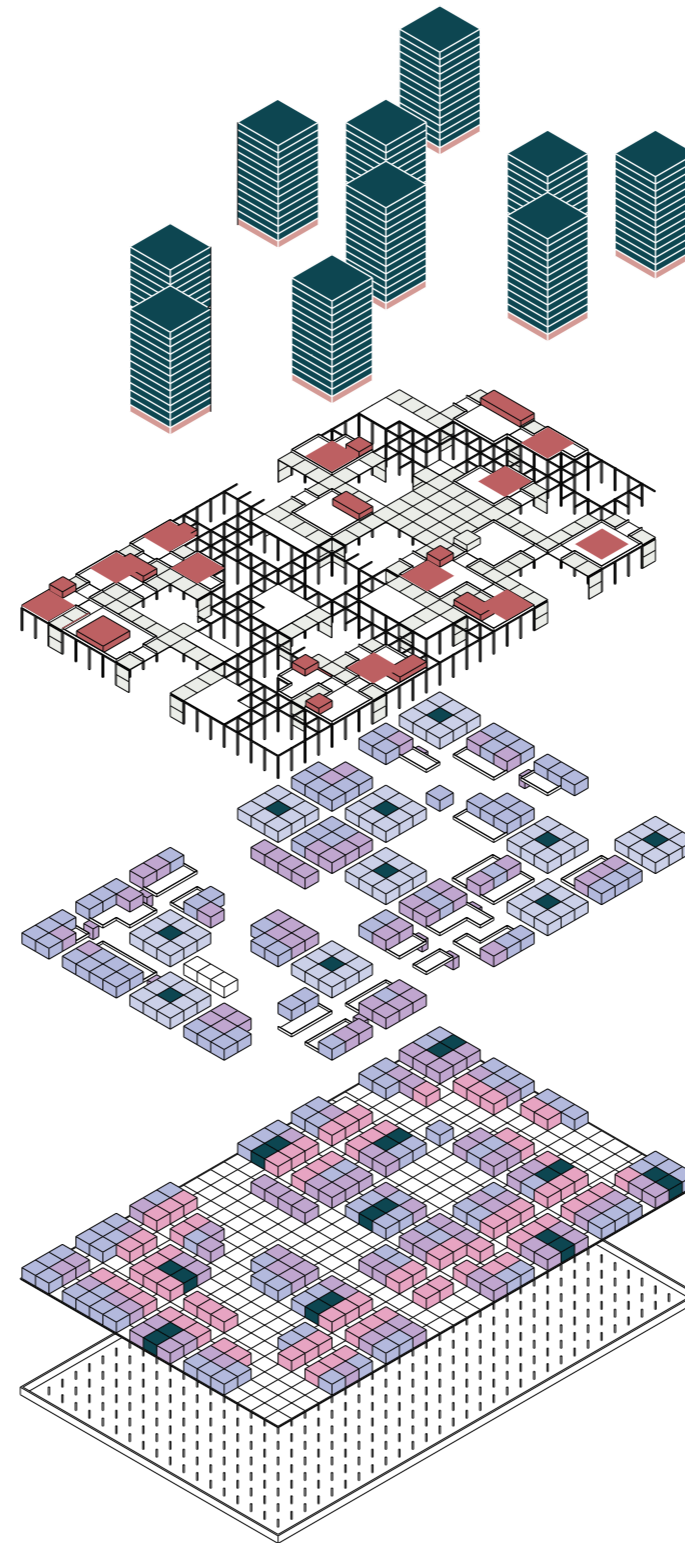
PROGRAM



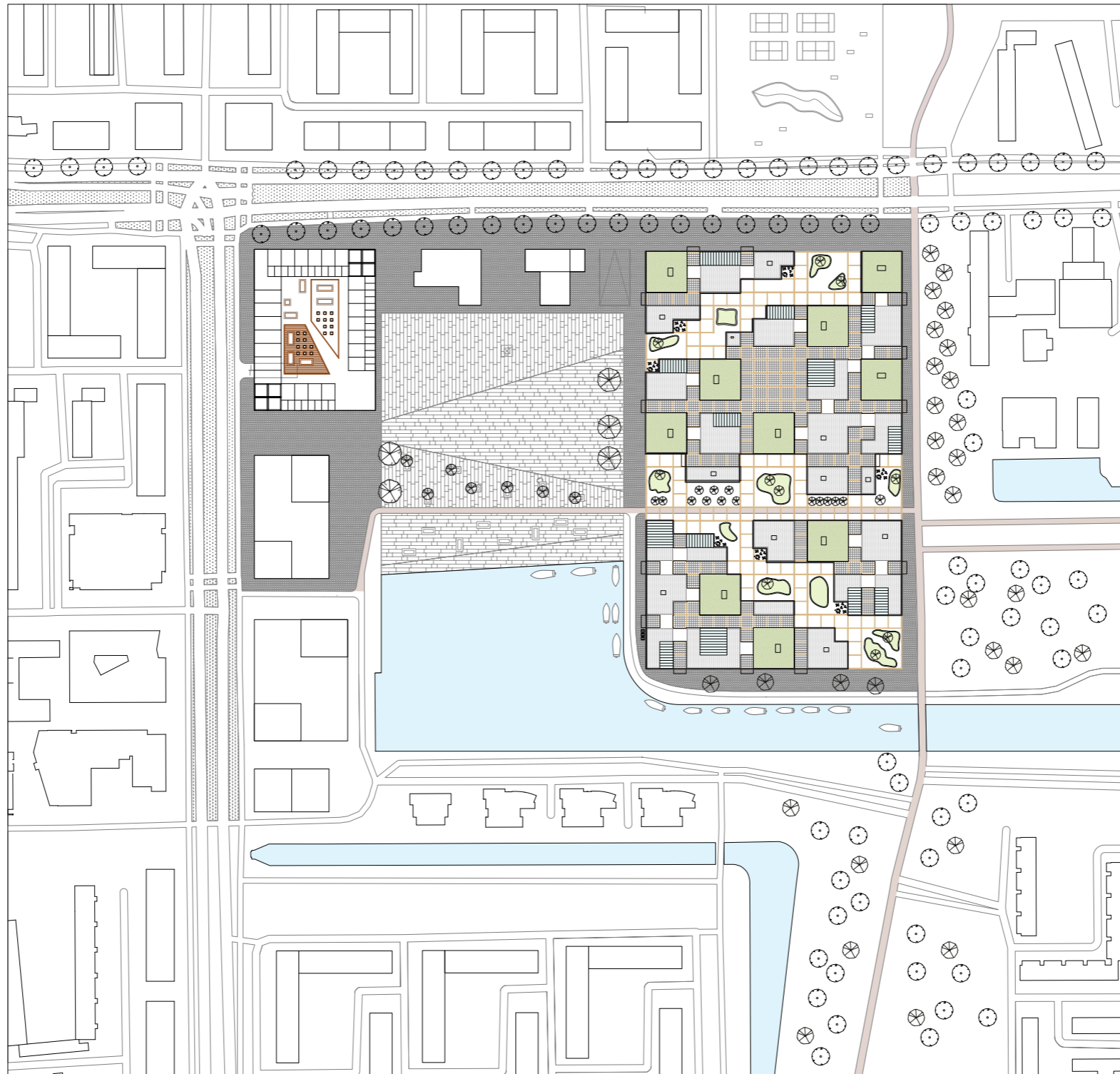
THE DESIGN



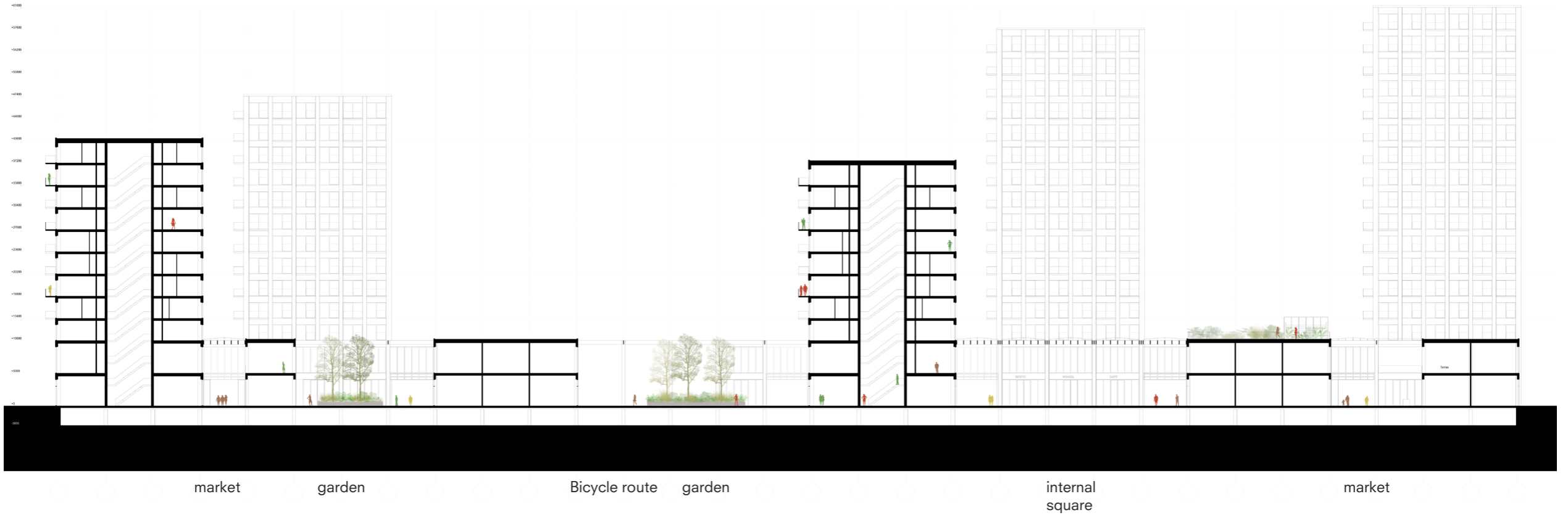
PROGRAM



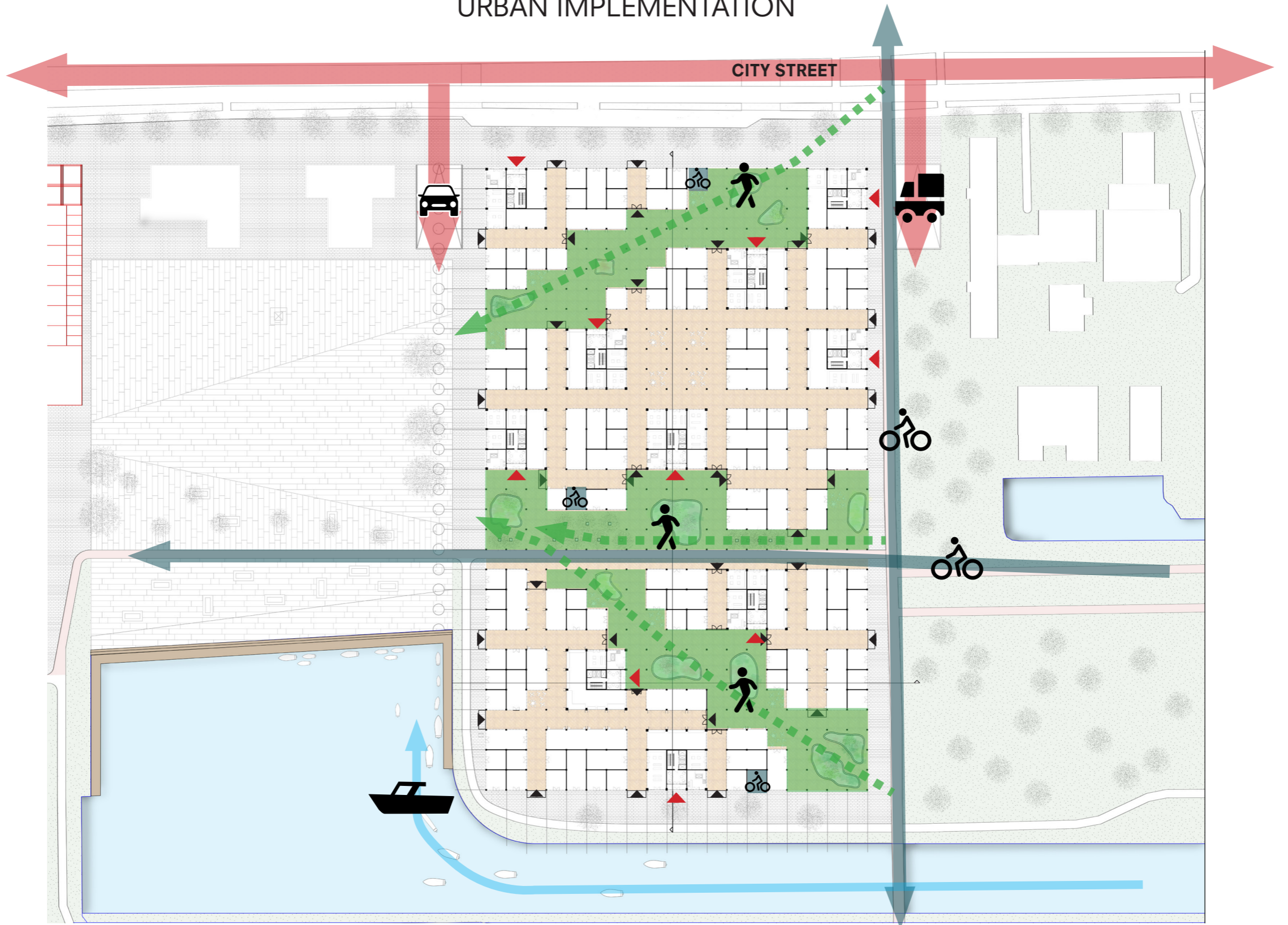
SITE WITH ROOFPLAN



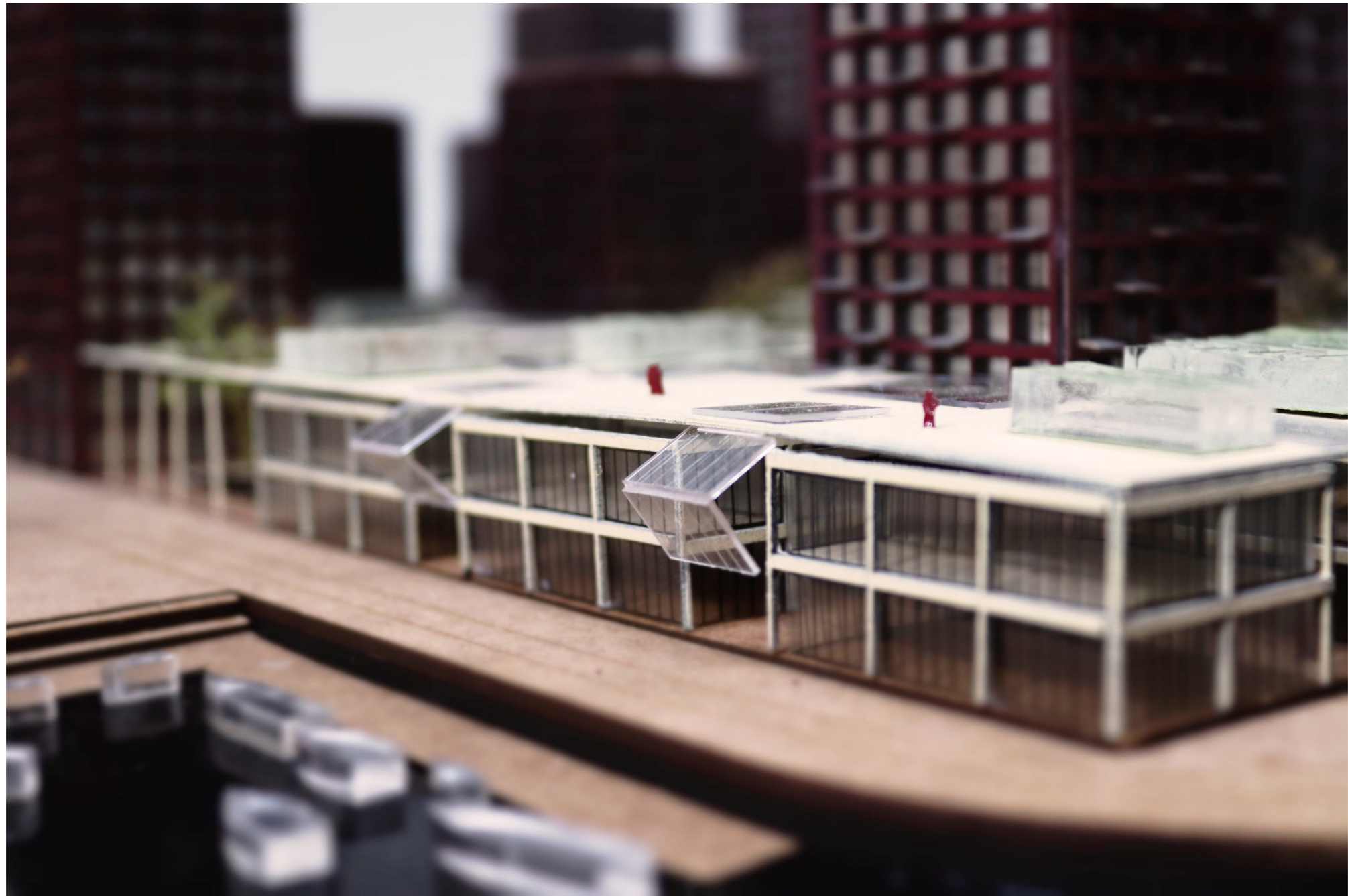
LONGITUDINAL SECTION



URBAN IMPLEMENTATION



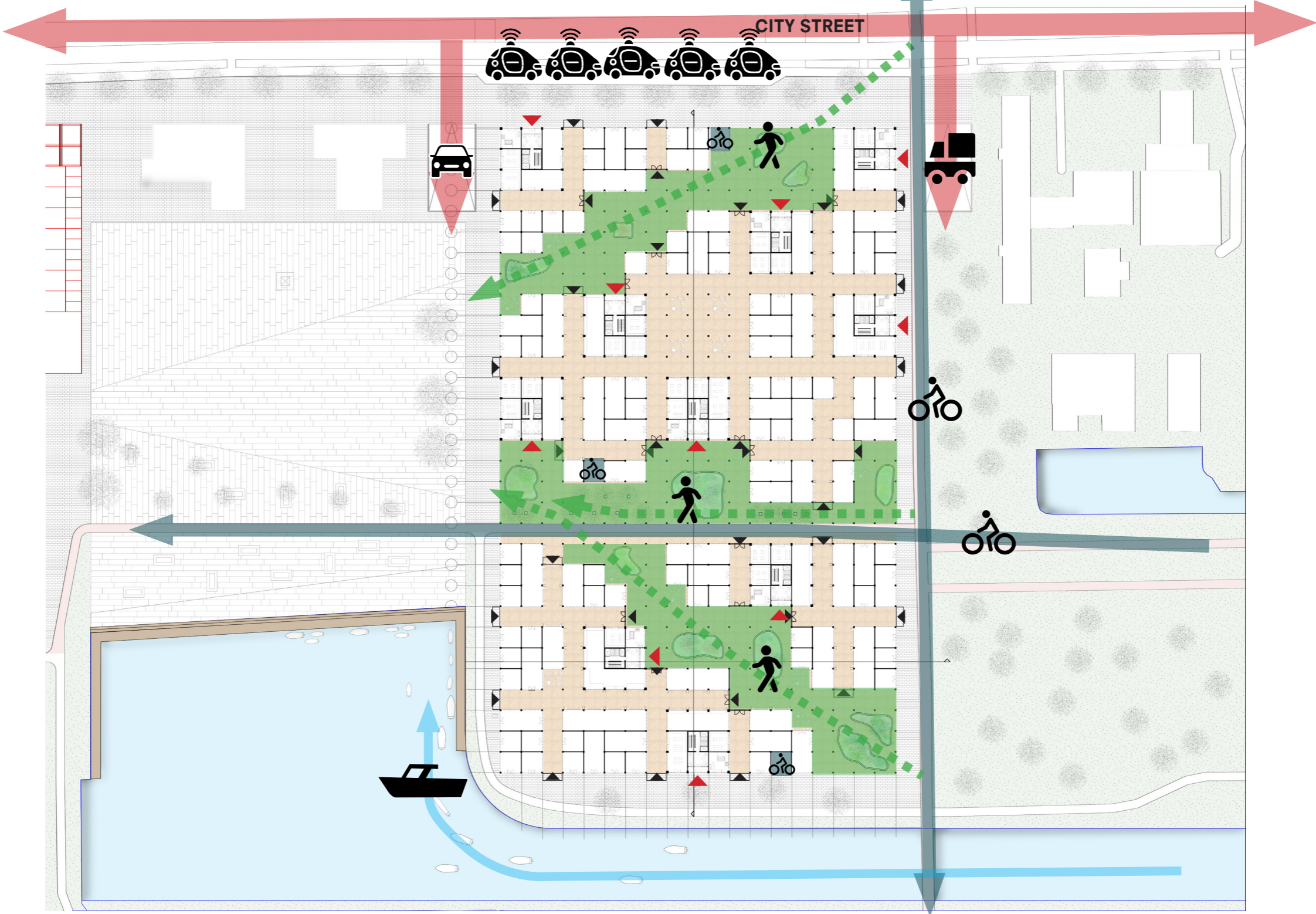
ALL SIDED BUILDING



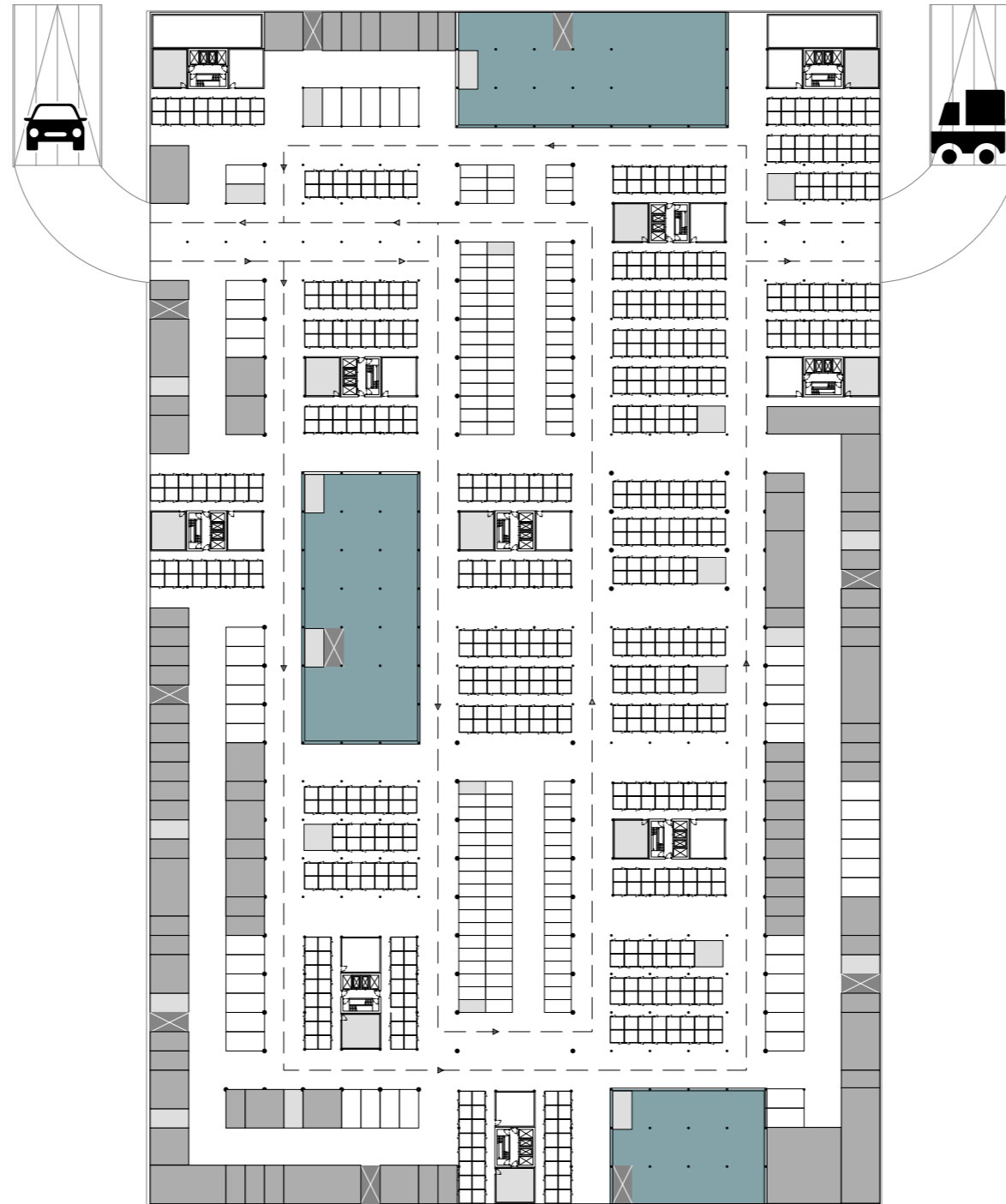
FUTURE AUTONOMOUS CARS








KISS AND RIDE

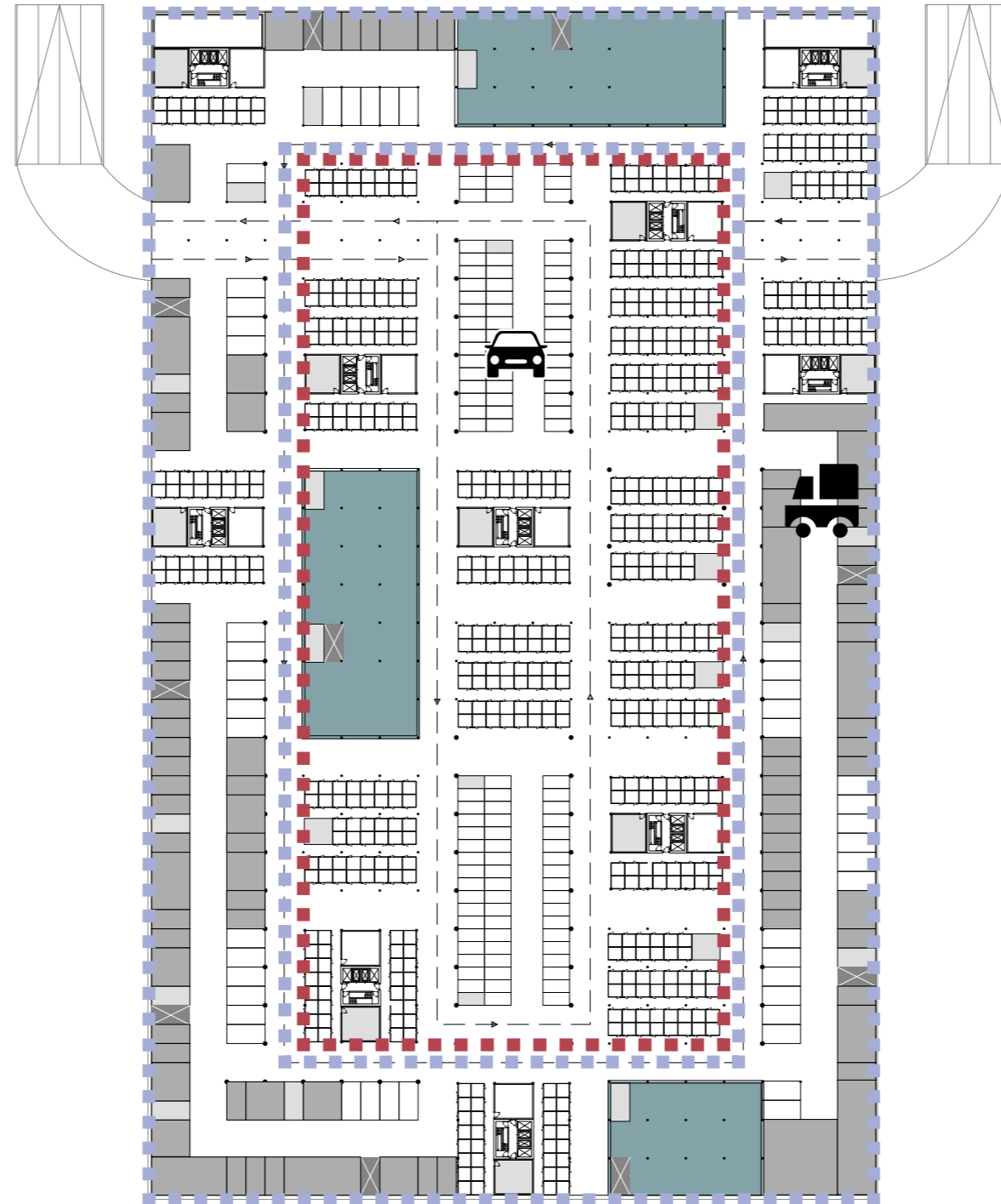







PARKING GARAGE & LOGISTICS



-  BICYCLE PARKING
-  STORAGE RETAIL
-  PARKING SPOTS
-  TECHNICAL SPACE
-  STORAGE RESIDENTS

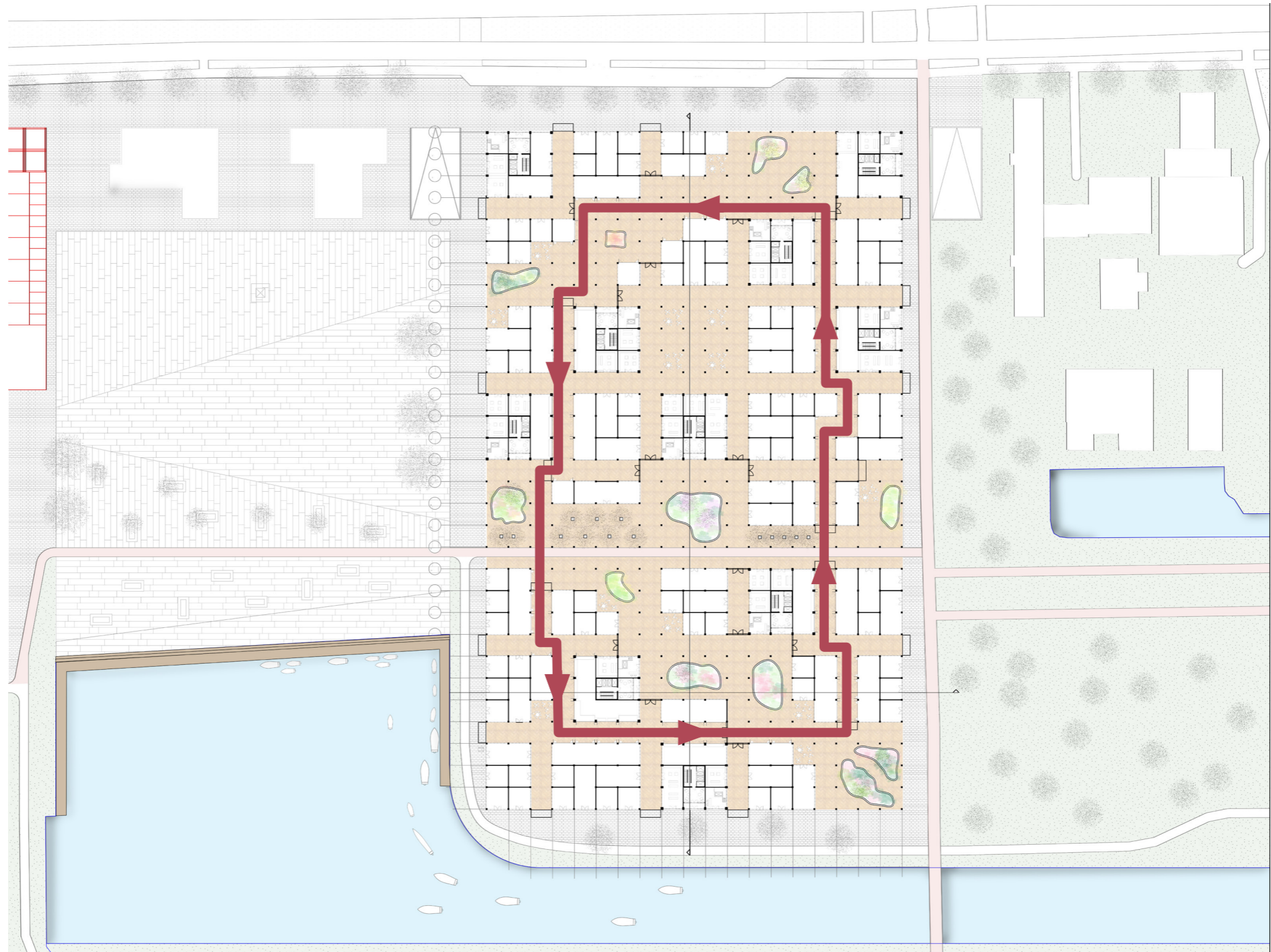
2 ZONES



-  BICYCLE PARKING
-  STORAGE RETAIL
-  PARKING SPOTS
-  TECHNICAL SPACE
-  STORAGE RESIDENTS

ATMOSPHERES IN THE BUILDING

MARKETROUTE



MARKETROUTE



SIDE STREETS



PATTERN OF STREETS AND SQUARES



PUBLIC GARDENS



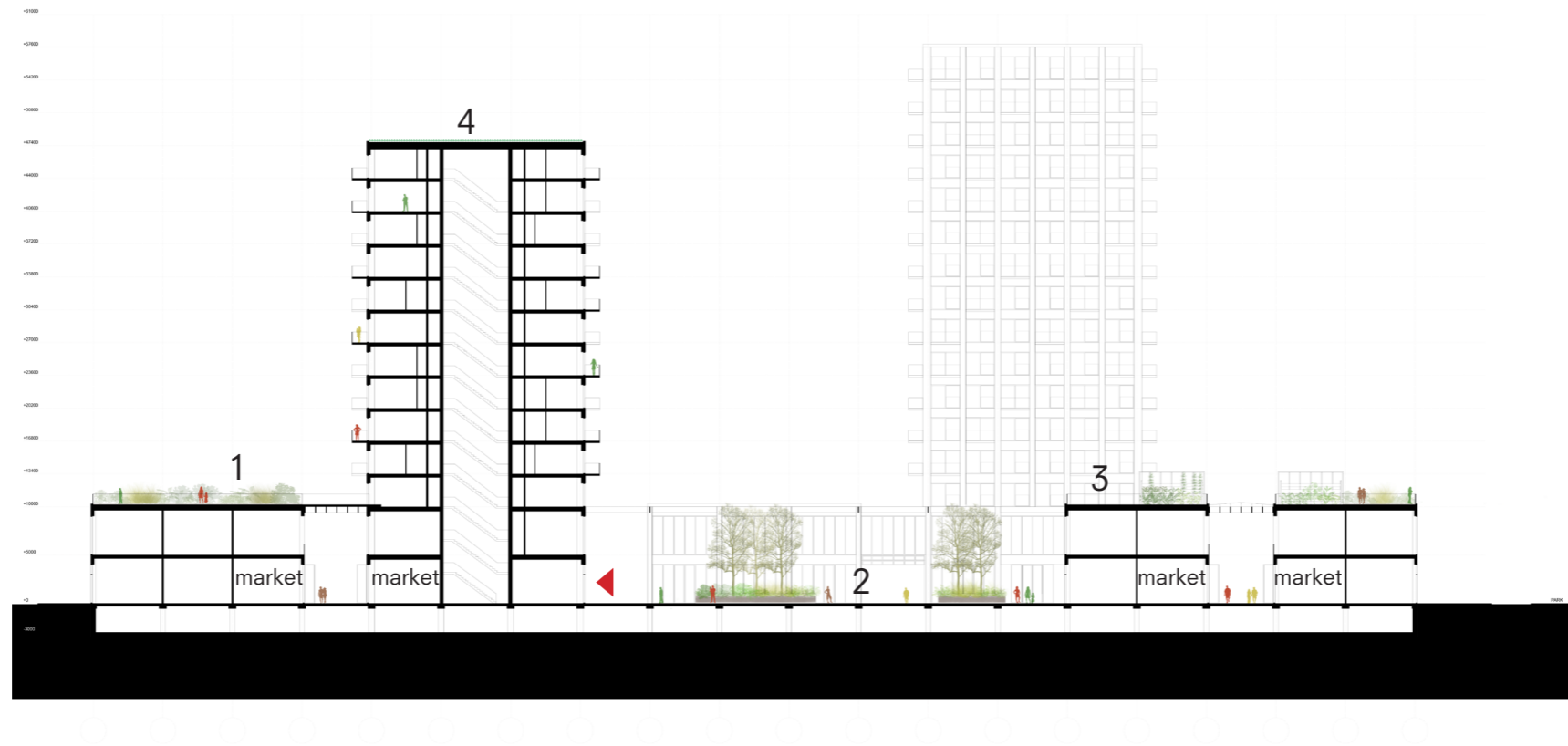
PUBLIC GARDENS

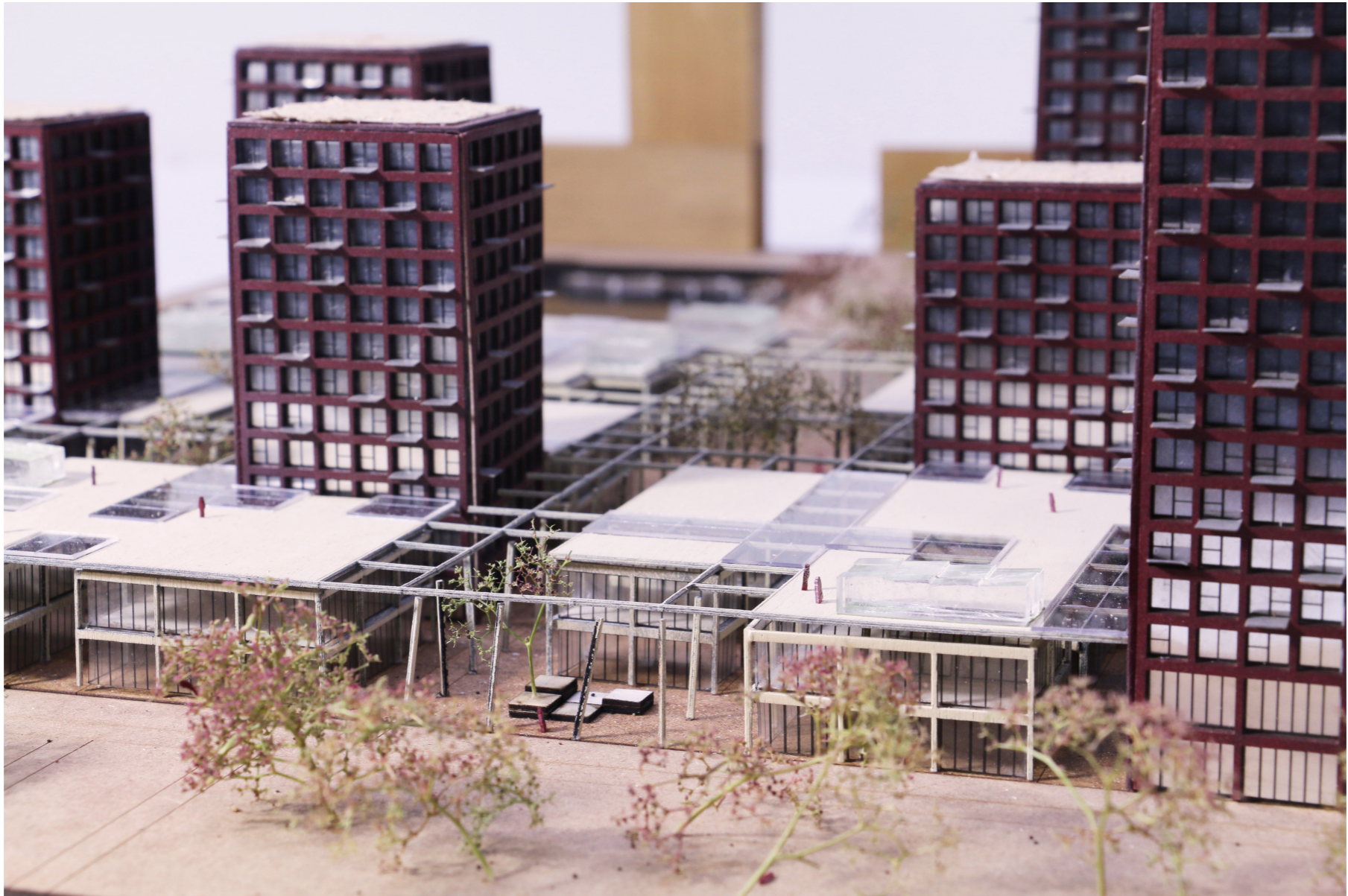


PUBLIC GARDENS



4 TYPES OF GREEN

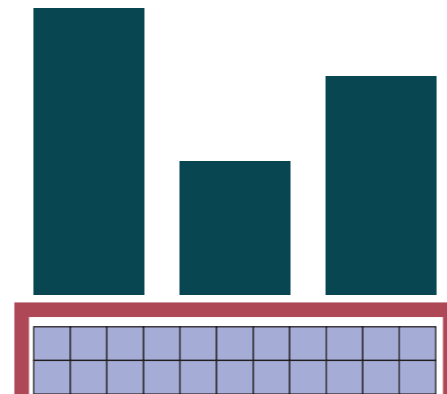




WEST ELEVATION



FUNCTION

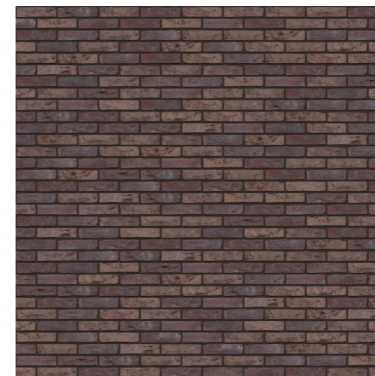


CP

MATERIALITY



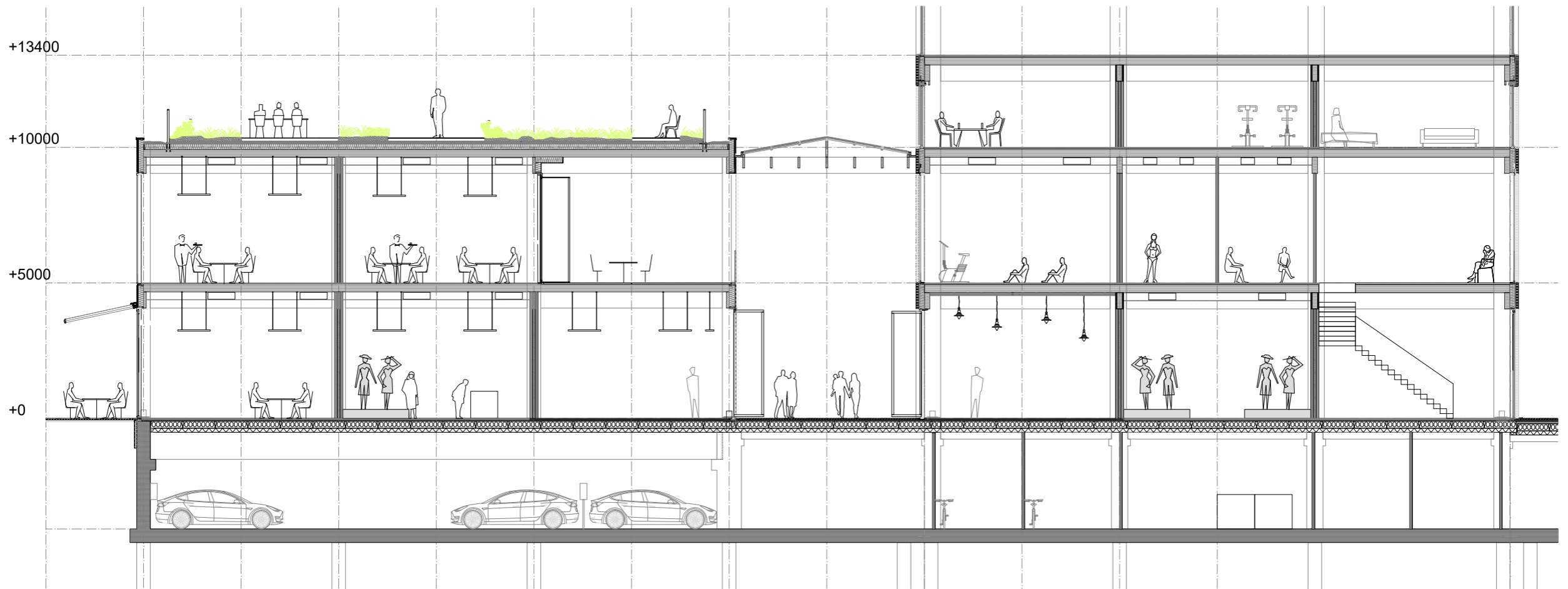
VS



ZOOM IN ON FRAGMENT



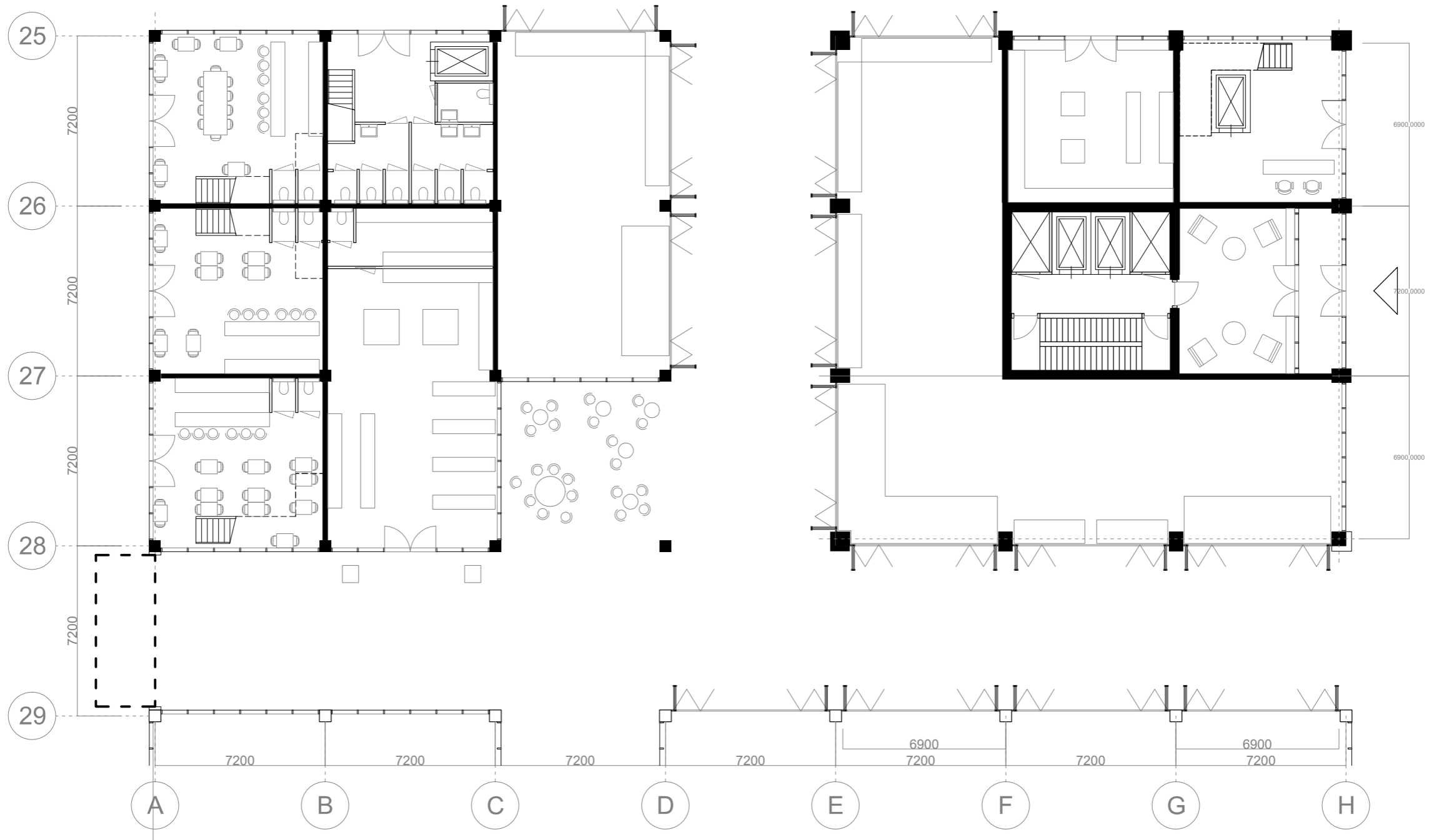
1: 50 FRAGMENT



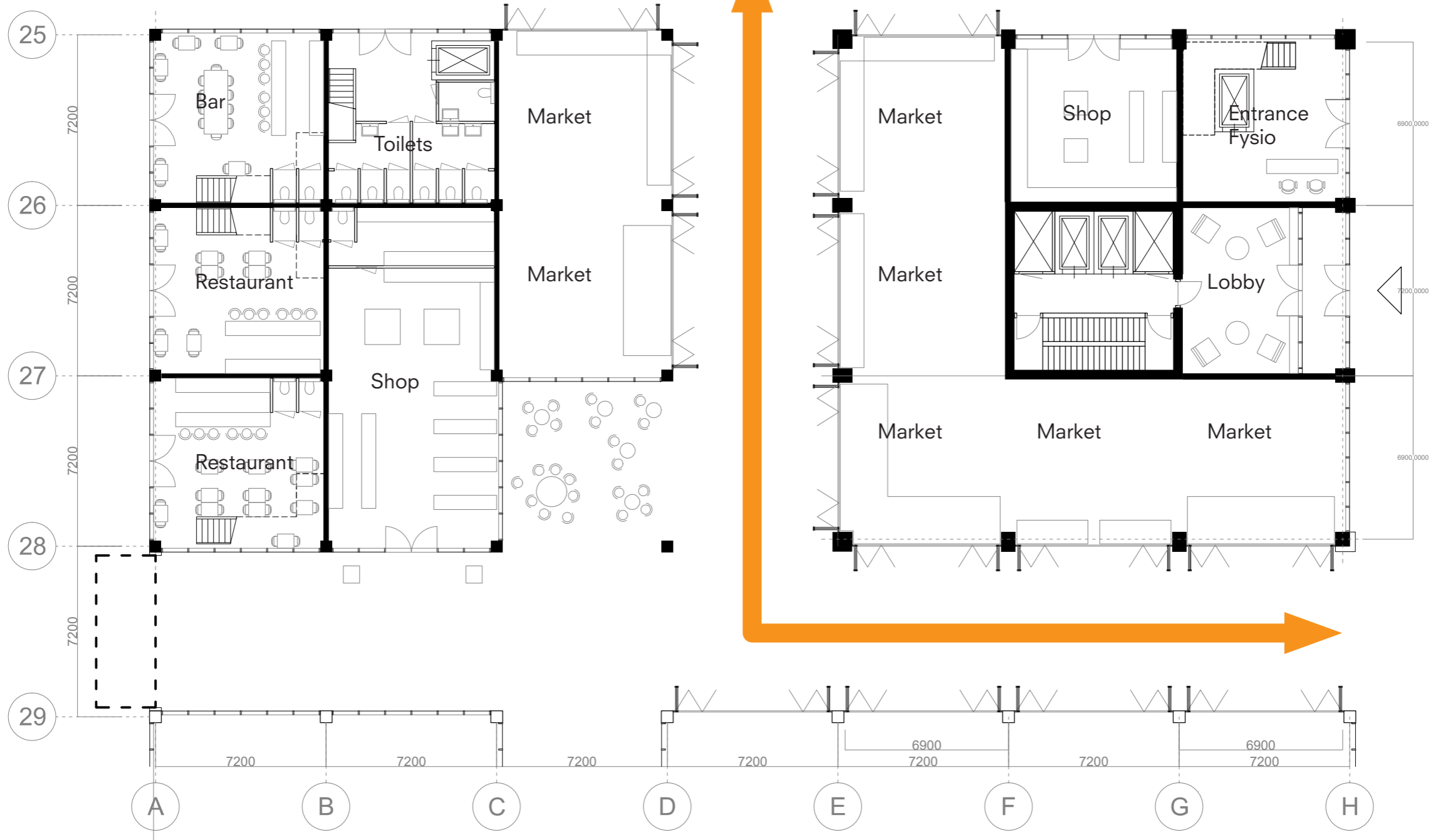
FRAGMENT ELEVATION 1:50



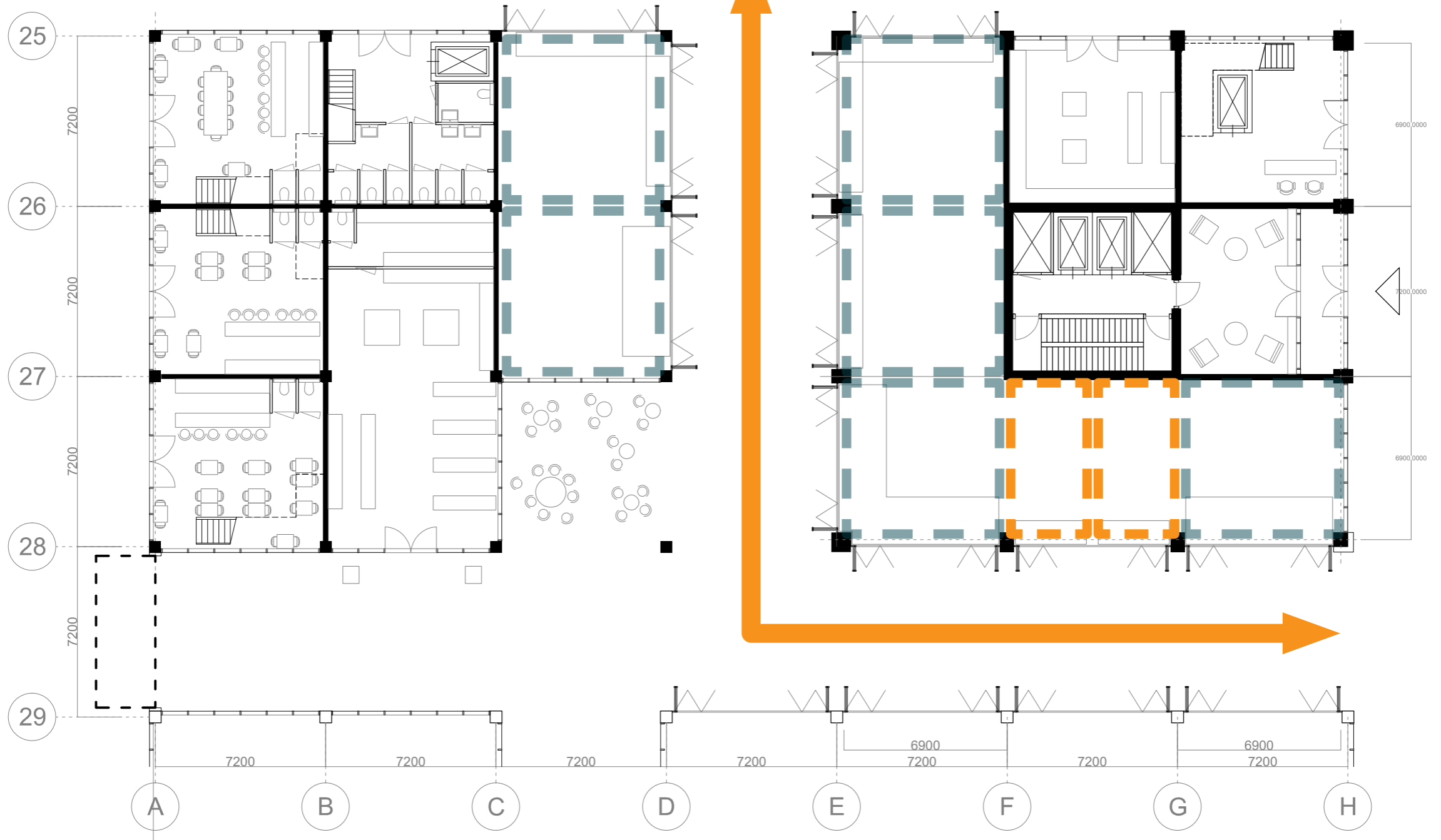
FRAGMENT GROUND FLOOR



MARKET ROUTE



THE OCCASIONAL COMMUNITY SPACE





FRAGMENT 1ST FLOOR



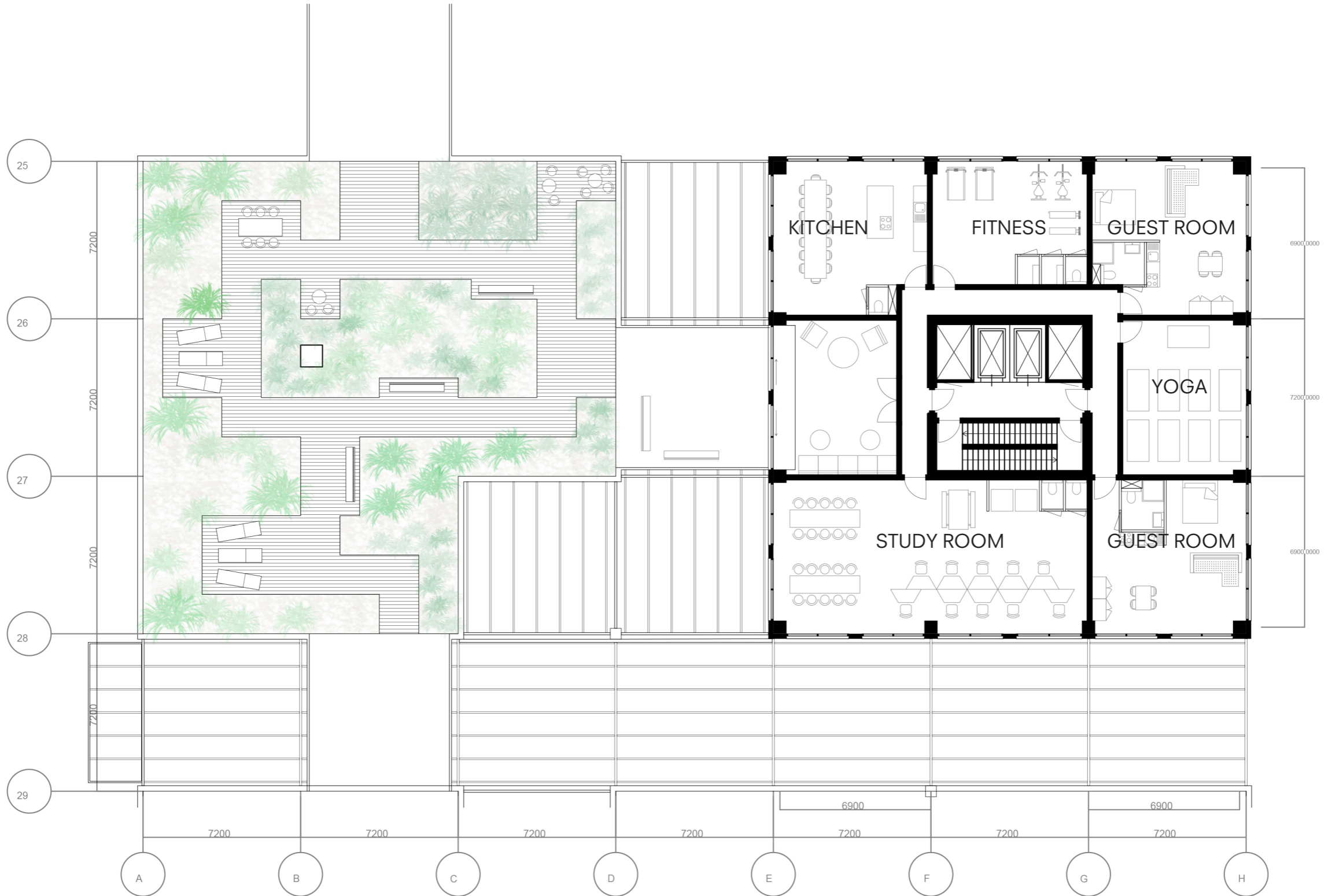
TERRACES ON 1ST FLOOR



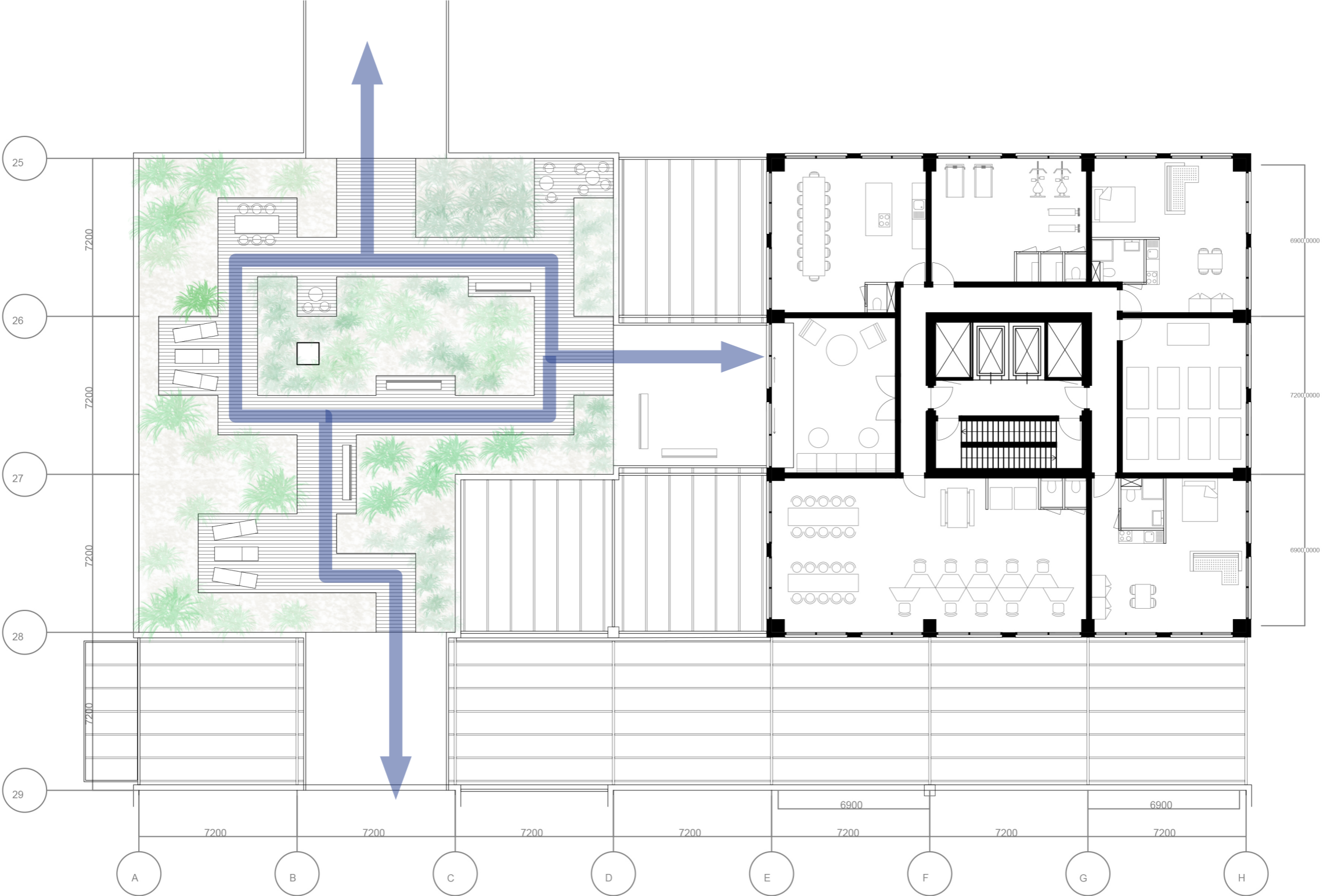
TERRACE



FRAGMENT 2ND FLOOR / SHARED AMENITIES



ROOF CONNECTED BY BRIDGES TO THE OTHER ROOFS

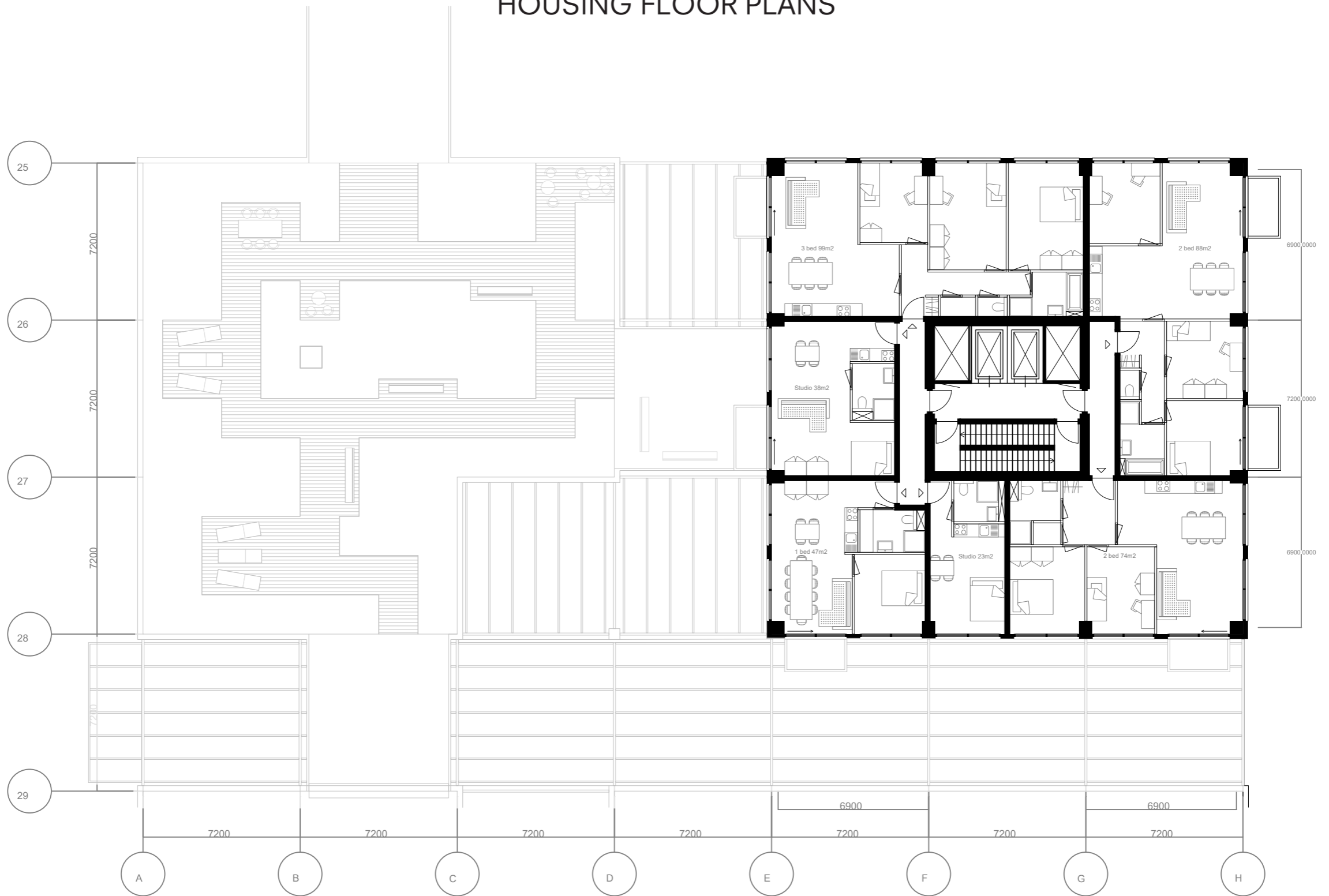


VIEW ON TOWER FROM ROOF TERRACE

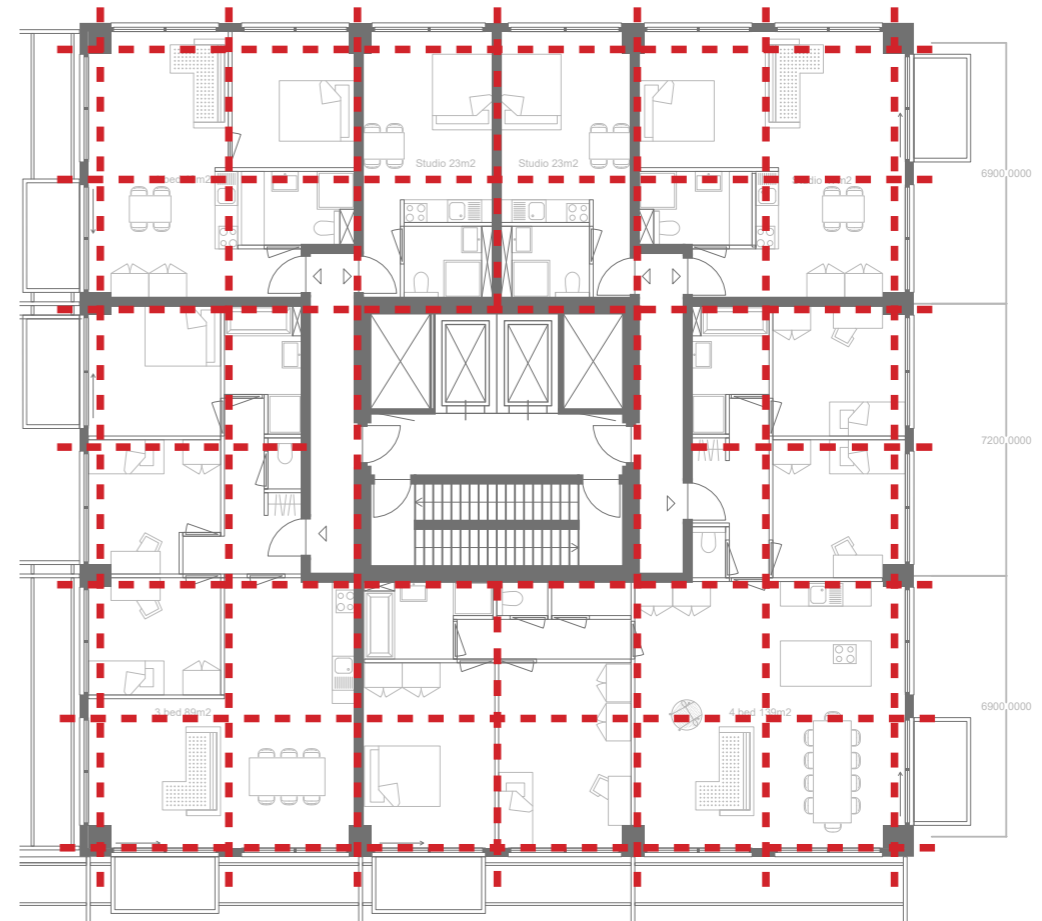




HOUSING FLOOR PLANS



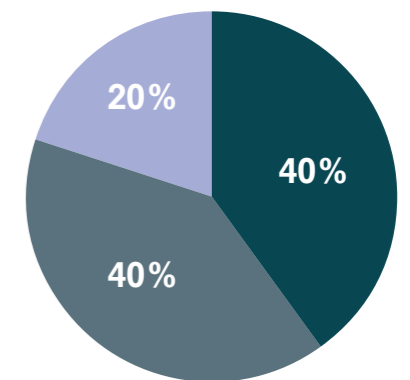
FLEXIBLE GRID, BY MOVING A WALL A NEW TYPOLOGY APPEARS



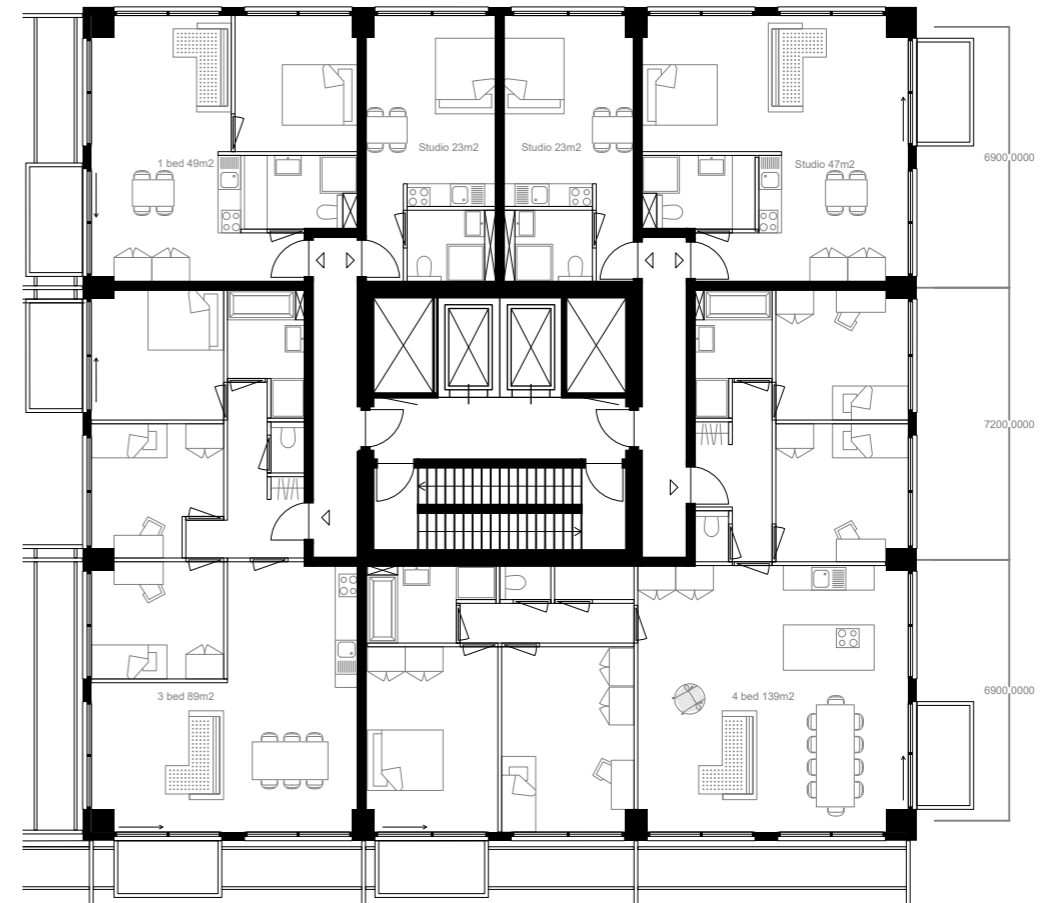
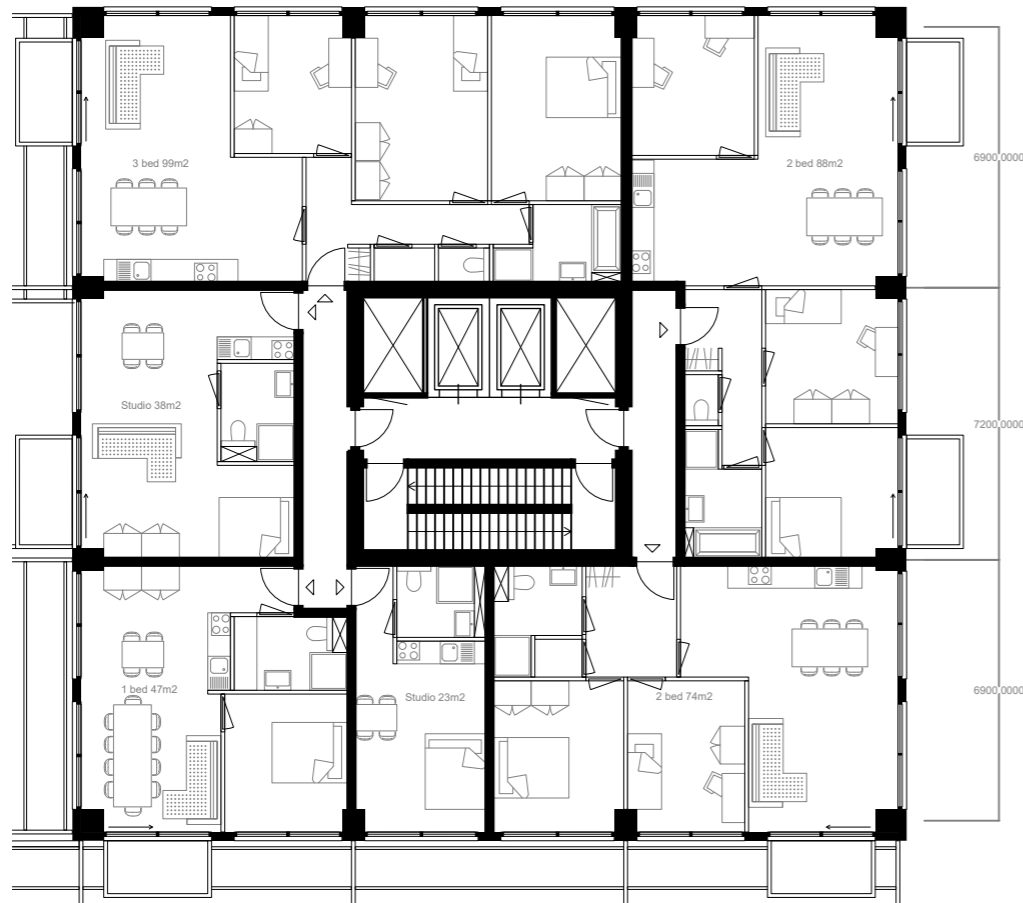
FLEXIBLE FLOOR PLAN






HOUSING TYPOLOGIES ACCORDING TO 40-40-20 PRINCIPLE

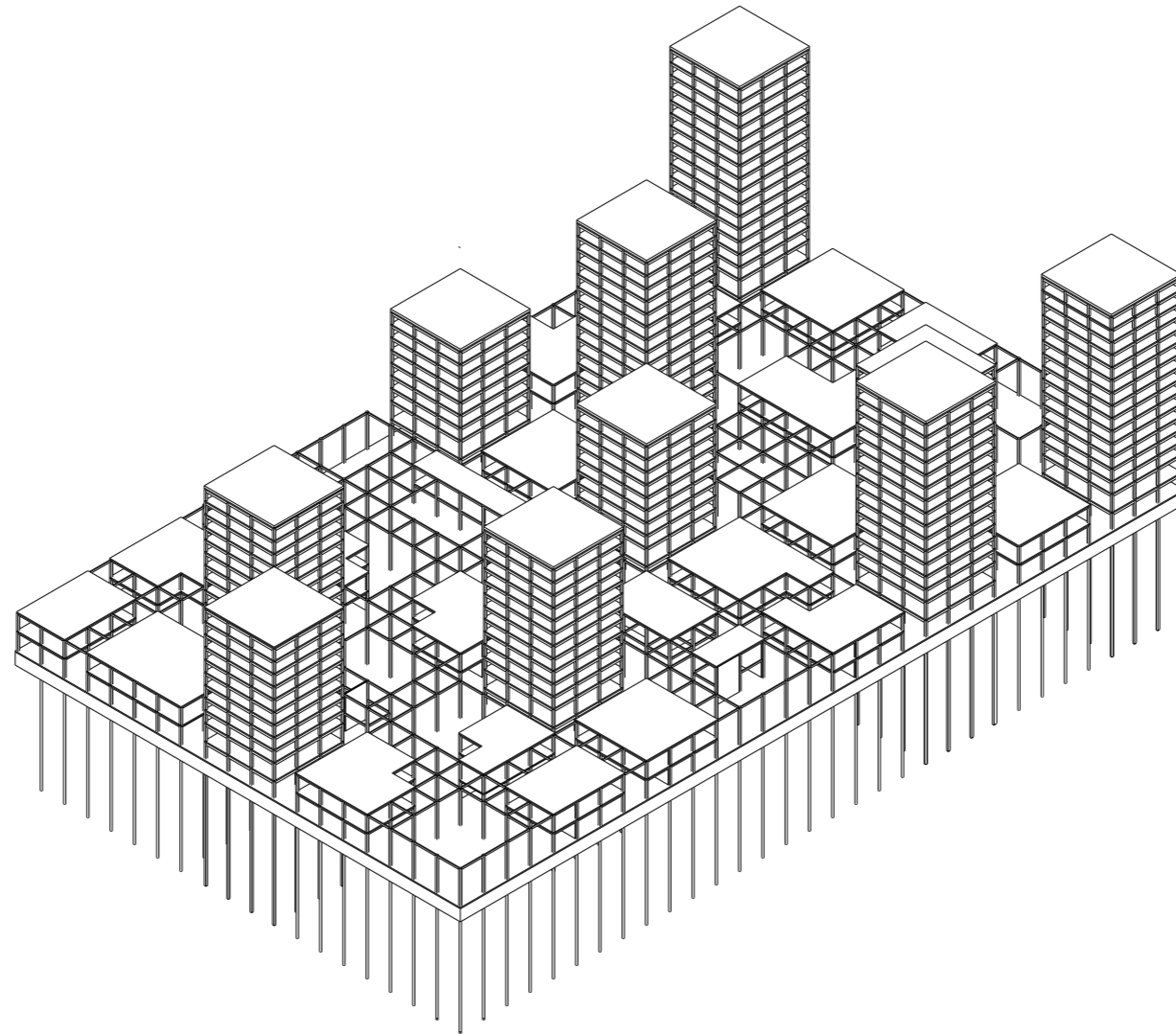


9 DIFFERENT TYPOLOGIES FOR DIFFERENT USERS



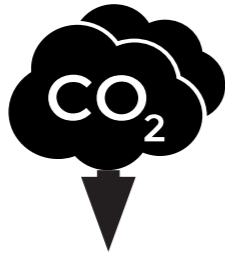
- | | |
|---|---|
|  A. STUDIO 23 M2 |  E. 2-BEDROOM 74 M2 |
|  B. STUDIO 38 M2 |  F. 2-BEDROOM 88 M2 |
|  C. STUDIO 47 M2 |  G. 3-BEDROOM 88 M2 |
|  D. 1- BEDROOM 47 M2 |  H. 3-BEDROOM 99 M2 |
| |  I. 4-BEDROOM 139 M2 |

THE CONSTRUCTION



WOODEN CONSTRUCTION

CO2 STORAGE



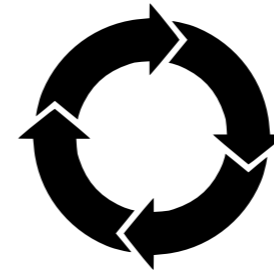
Instead of emitting CO2

FLEXIBLE



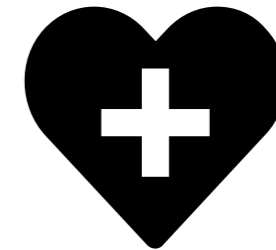
Re-use when constructed in the right way

CRADLE TO CRADLE



waste = food

WELL BEING

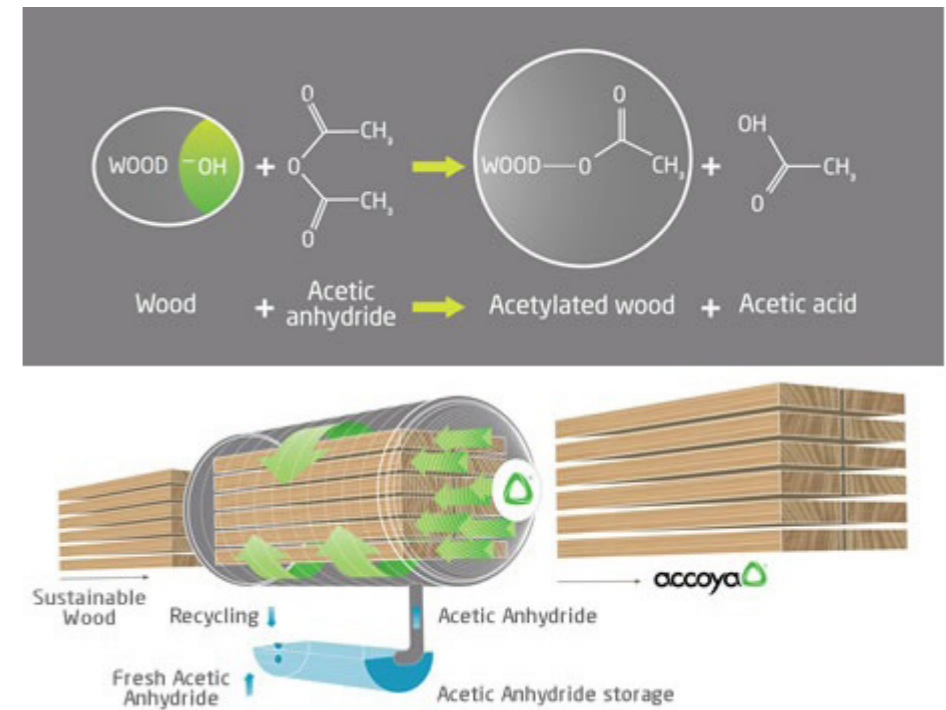


positive effect on human being

SUSTAINABLE TIMBER ACCOYA

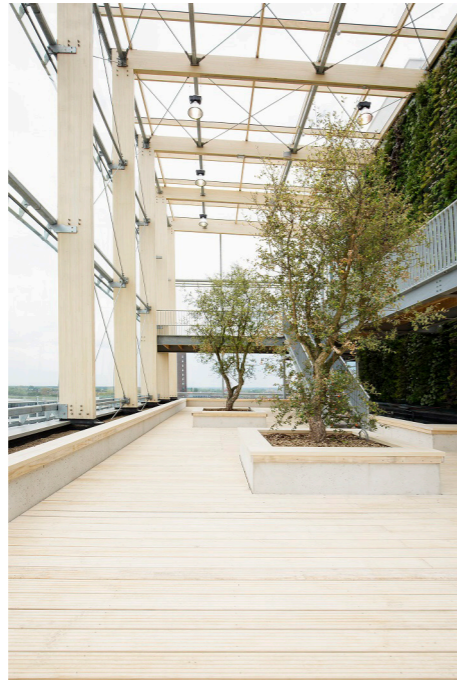


PINUS RADIATA TREE

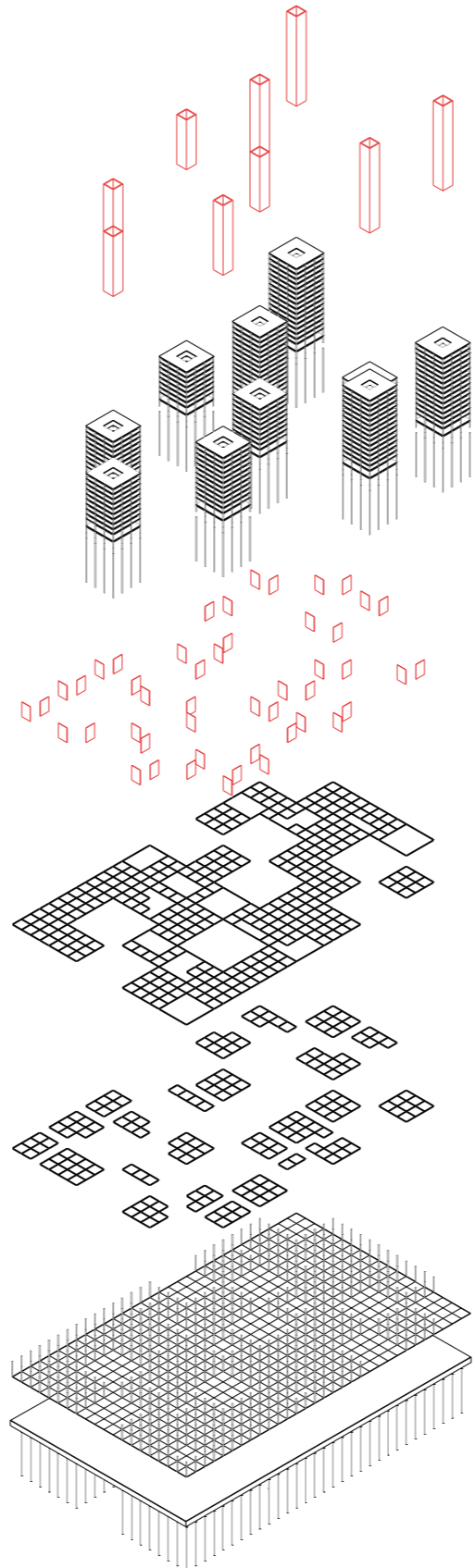


BY IMPREGNATION WITH ACID TIMBER GETS PROPERTIES OF TROPICAL HARD WOOD

MATERIALIZATION



ACCOYA WOOD



STABILITY TOWERS
CONCRETE CORE

TOWERS
-4 M - + 60 M SEPARATE FOUNDATION,
GLULAM COLUMNS, GLULAM BEAMS, CLT FLOORS

STABILITY PIXELS
+0-10 M CLT WALLS PER GROUP OF PIXELS

PIXELS
+ 10 M GLULAM BEAMS
CLT FLOOR ELEMENTS

PIXELS
+ 5 M GLULAM BEAMS
CLT FLOORS

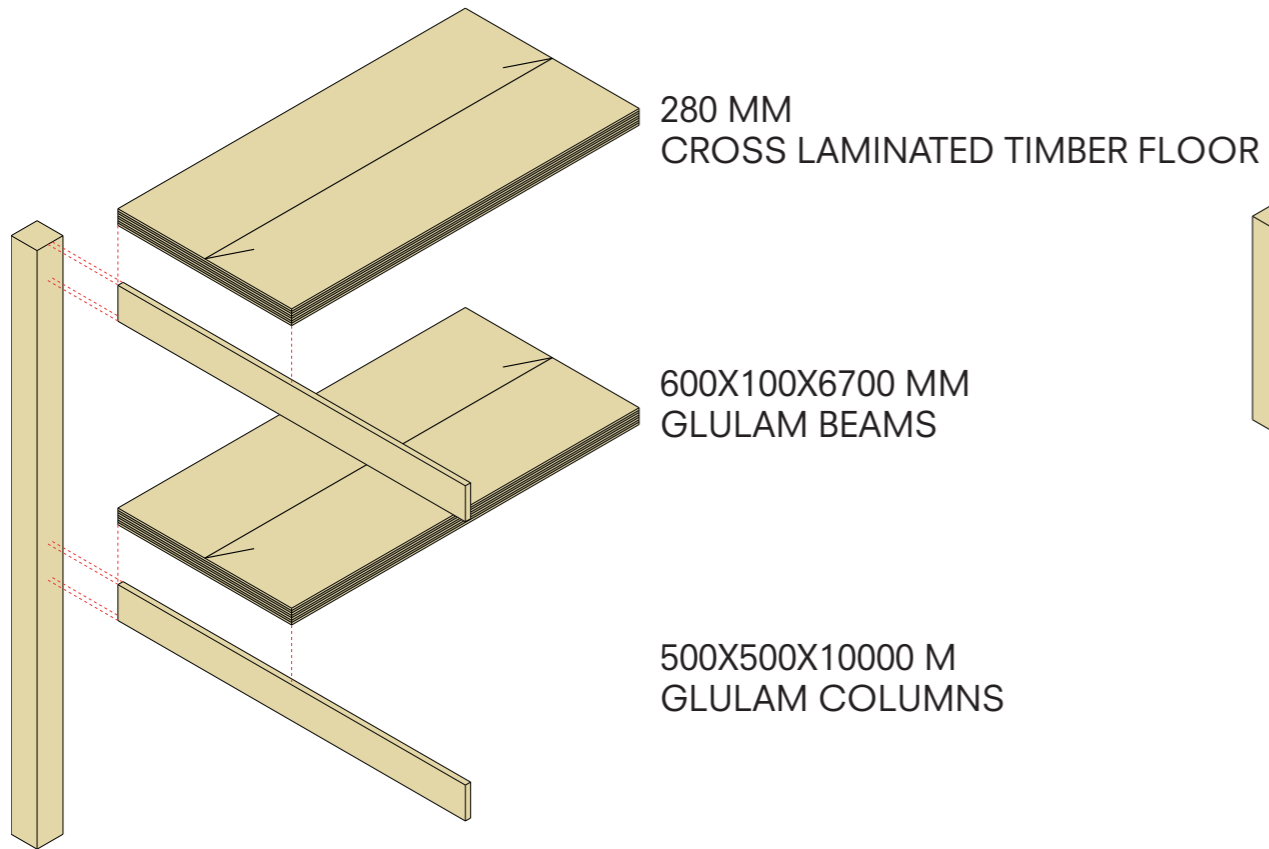
PIXELS
+0 M GLULAM COLUMNS

PARKING GARAGE
-4 M CONCRETE COLUMNS
CONCRETE FLOOR

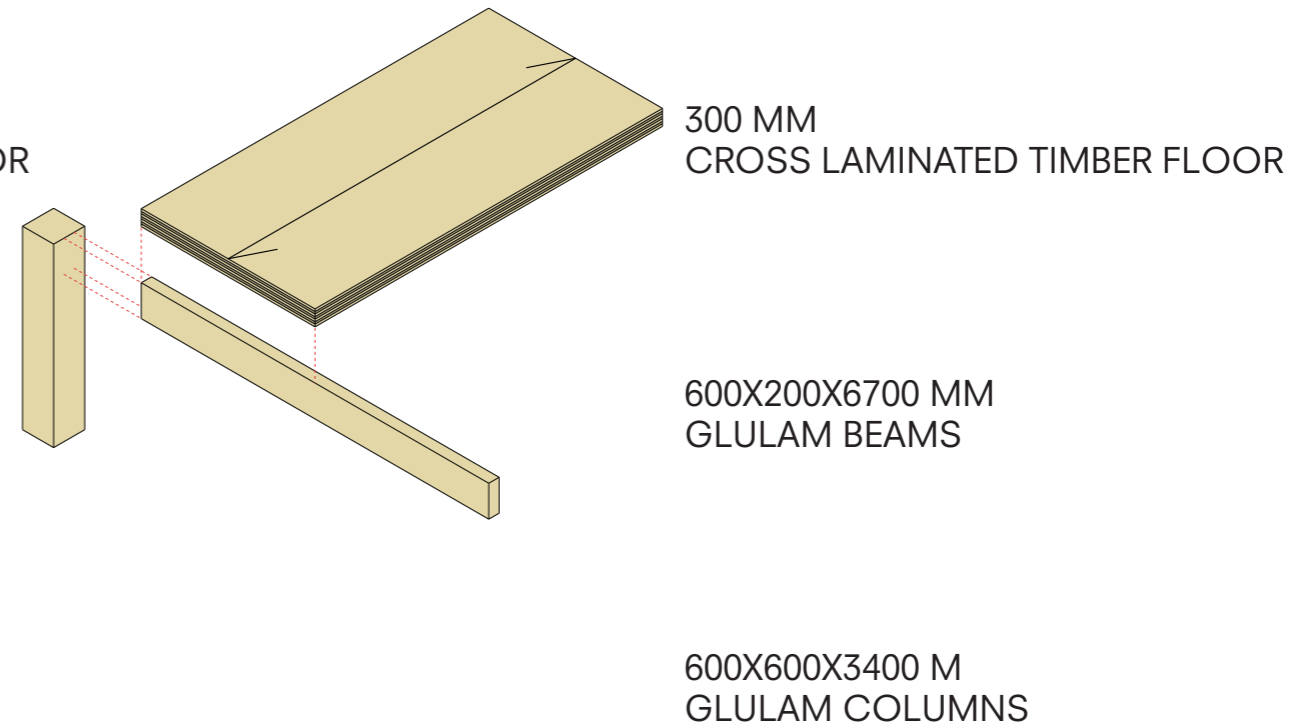
FOUNDATION
-30 M PILES CONCRETE FLOOR

TIMBER ELEMENTS IN BUILDING

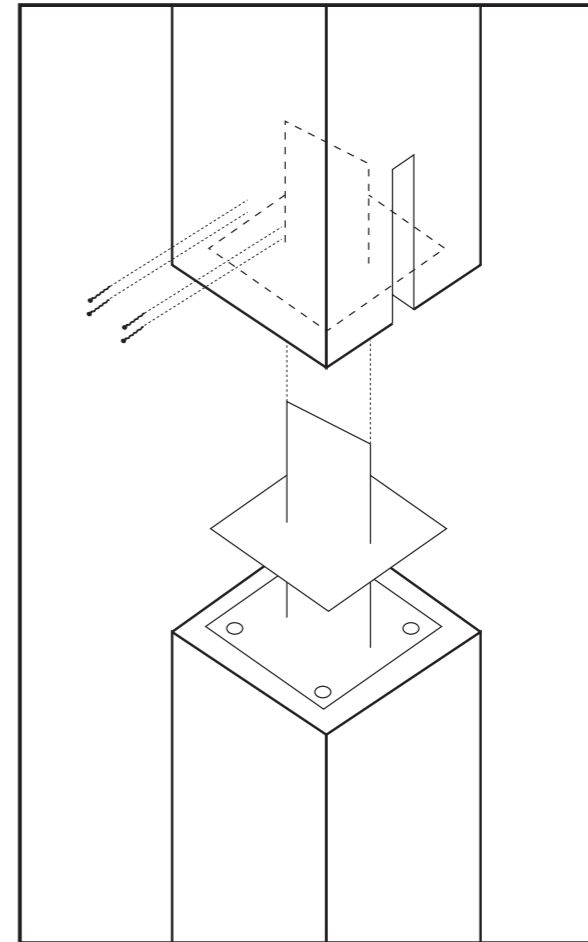
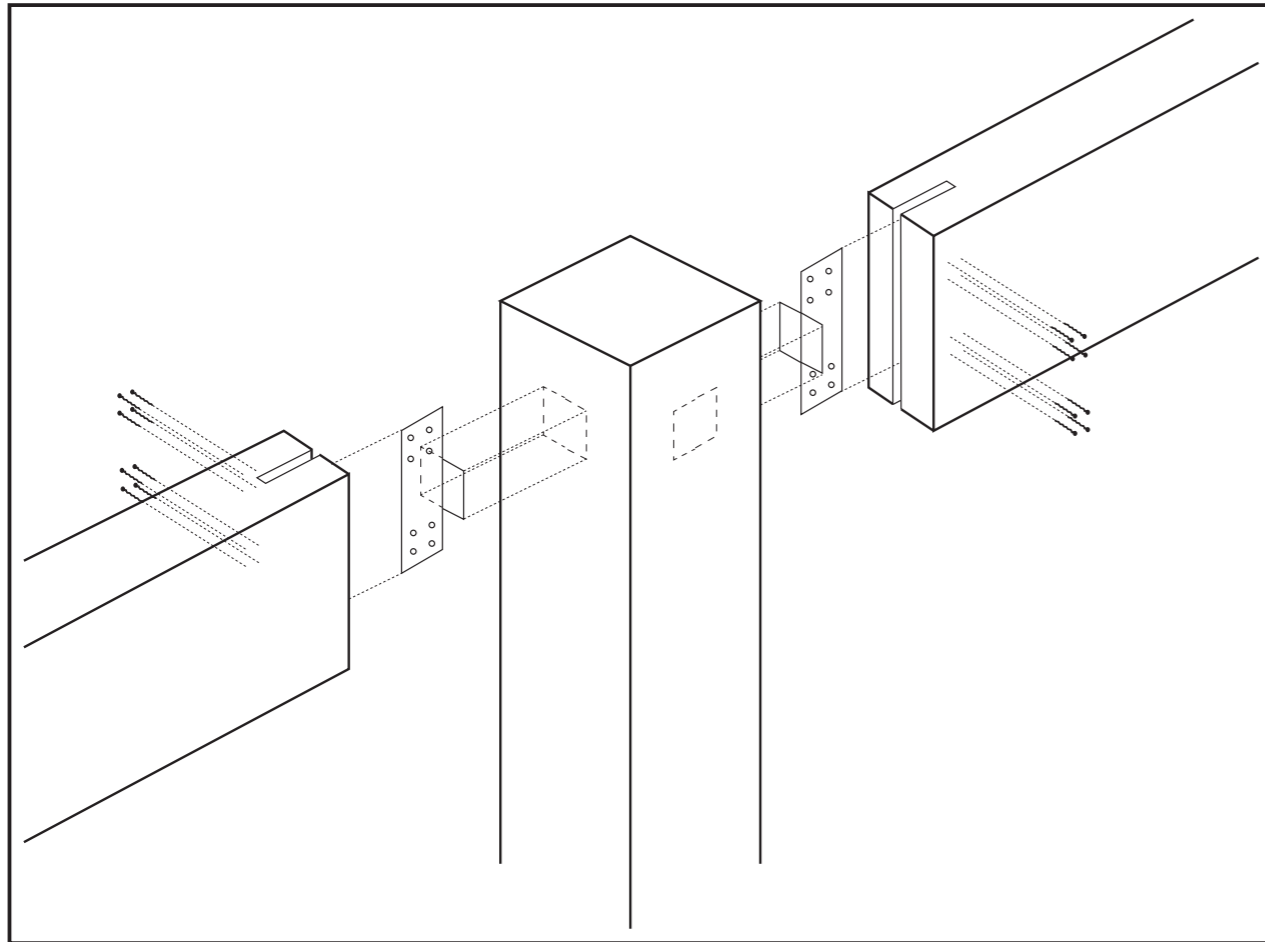
PIXEL



TOWER

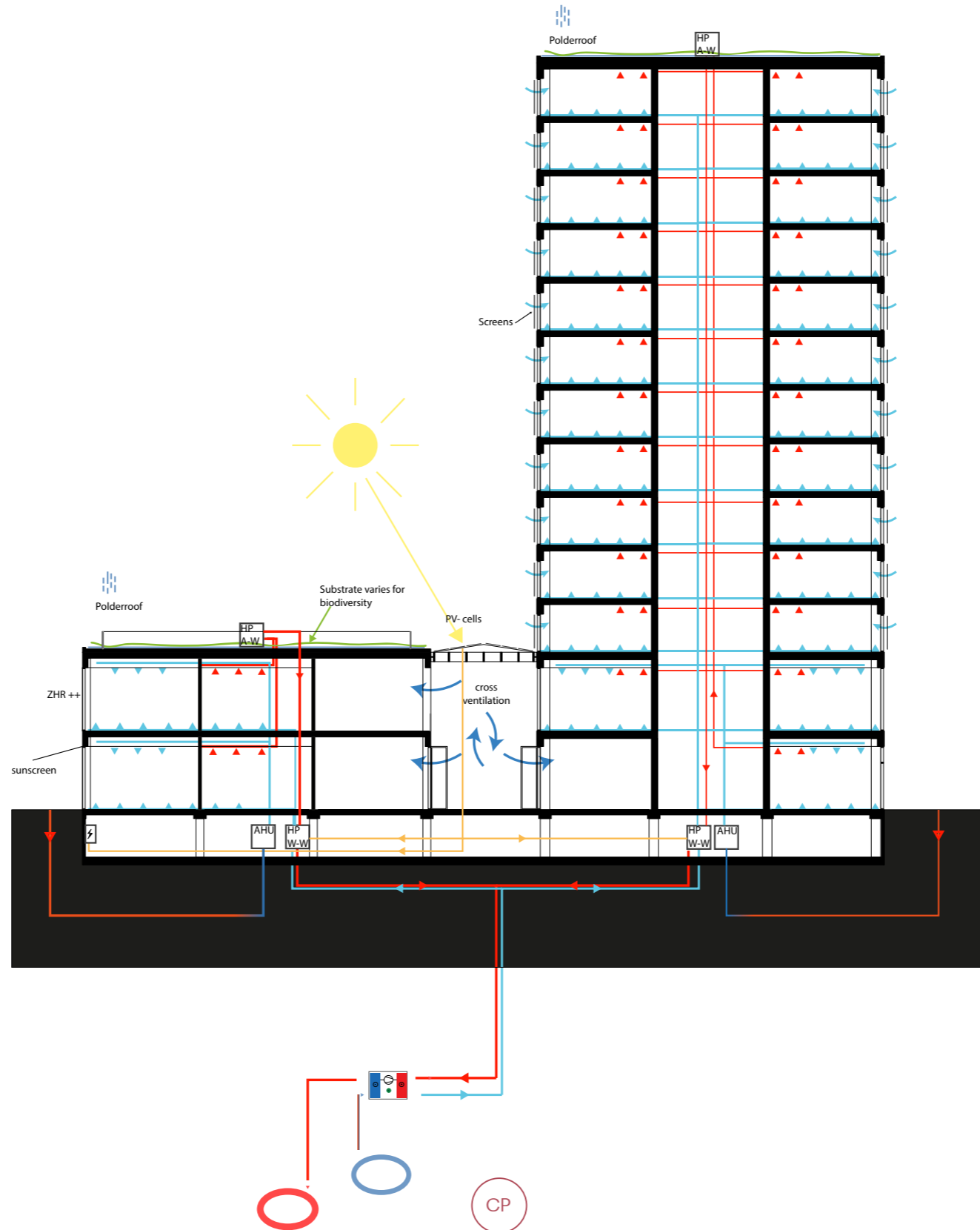


MATERIAL STRUCTURE FLEXIBLE CONNECTIONS

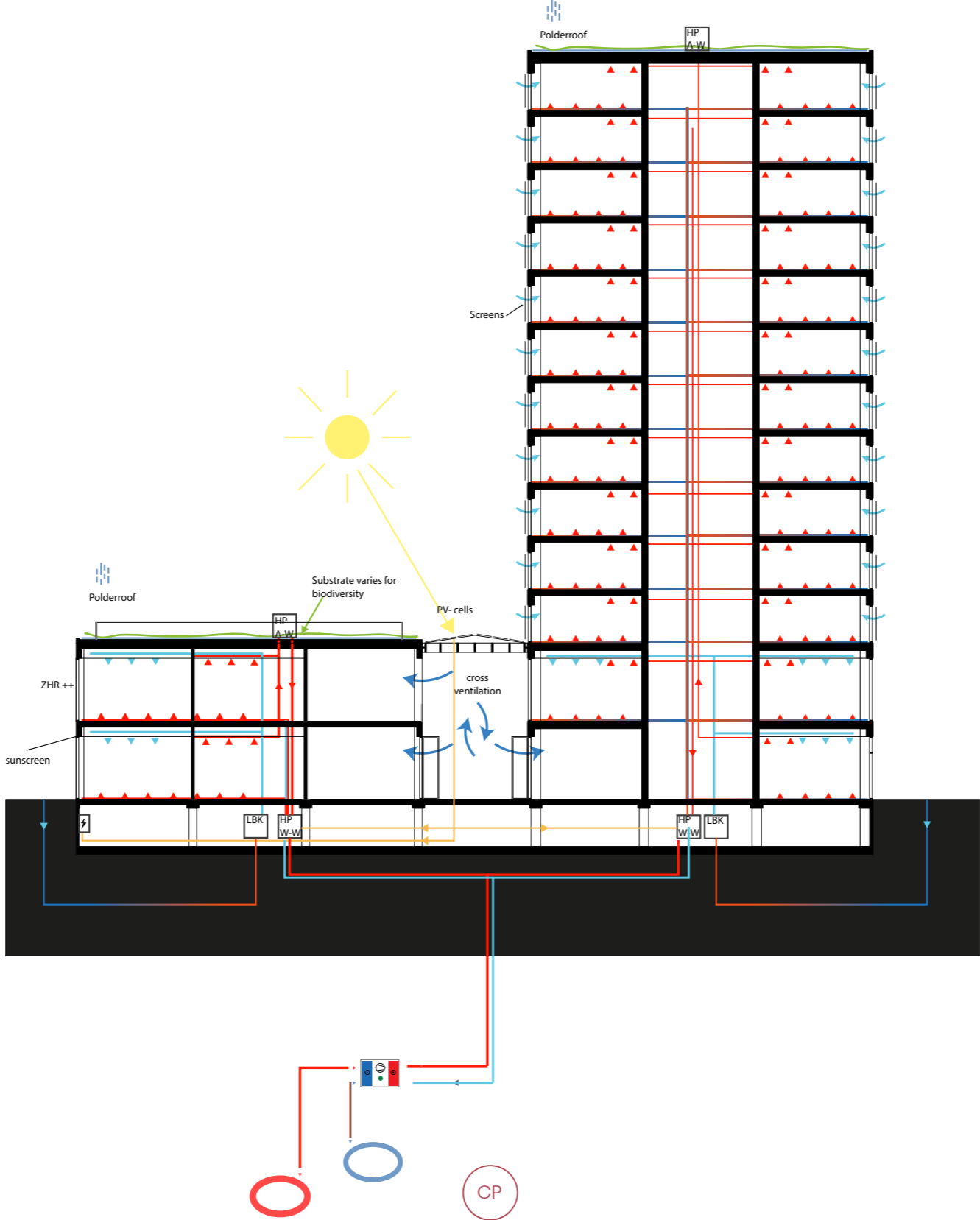


CLIMATE & DETAILS

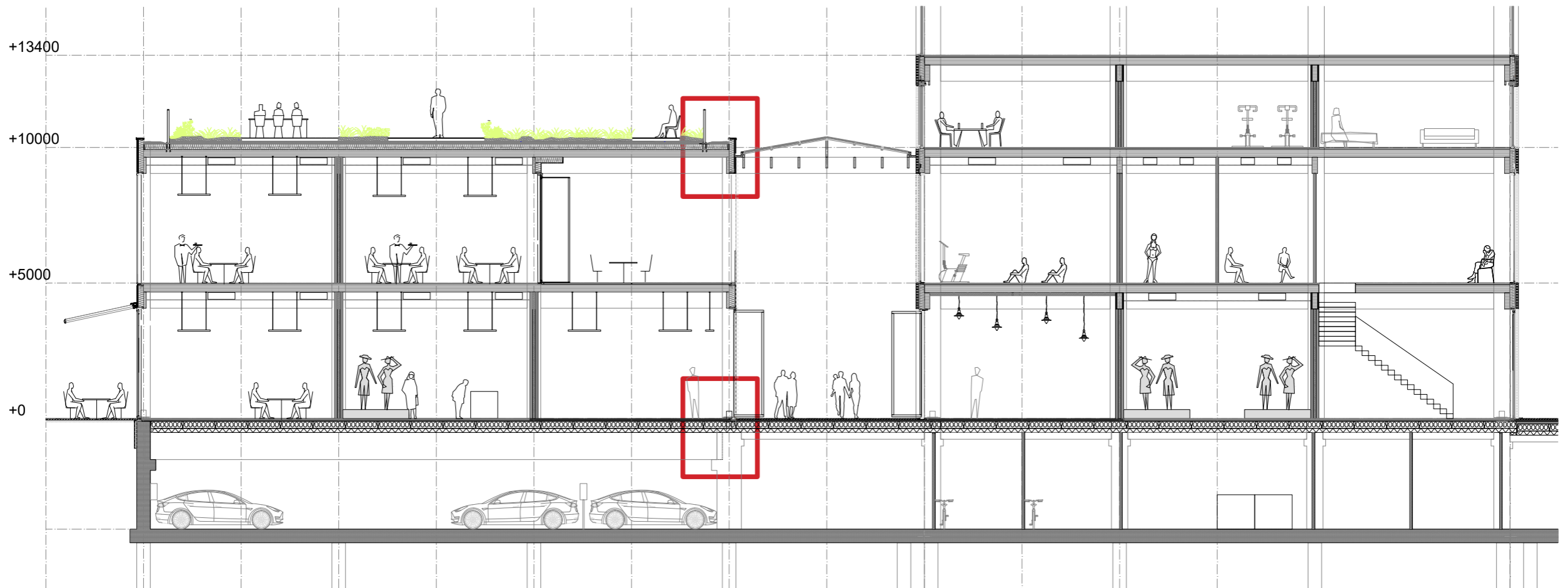
CLIMATE SUMMER



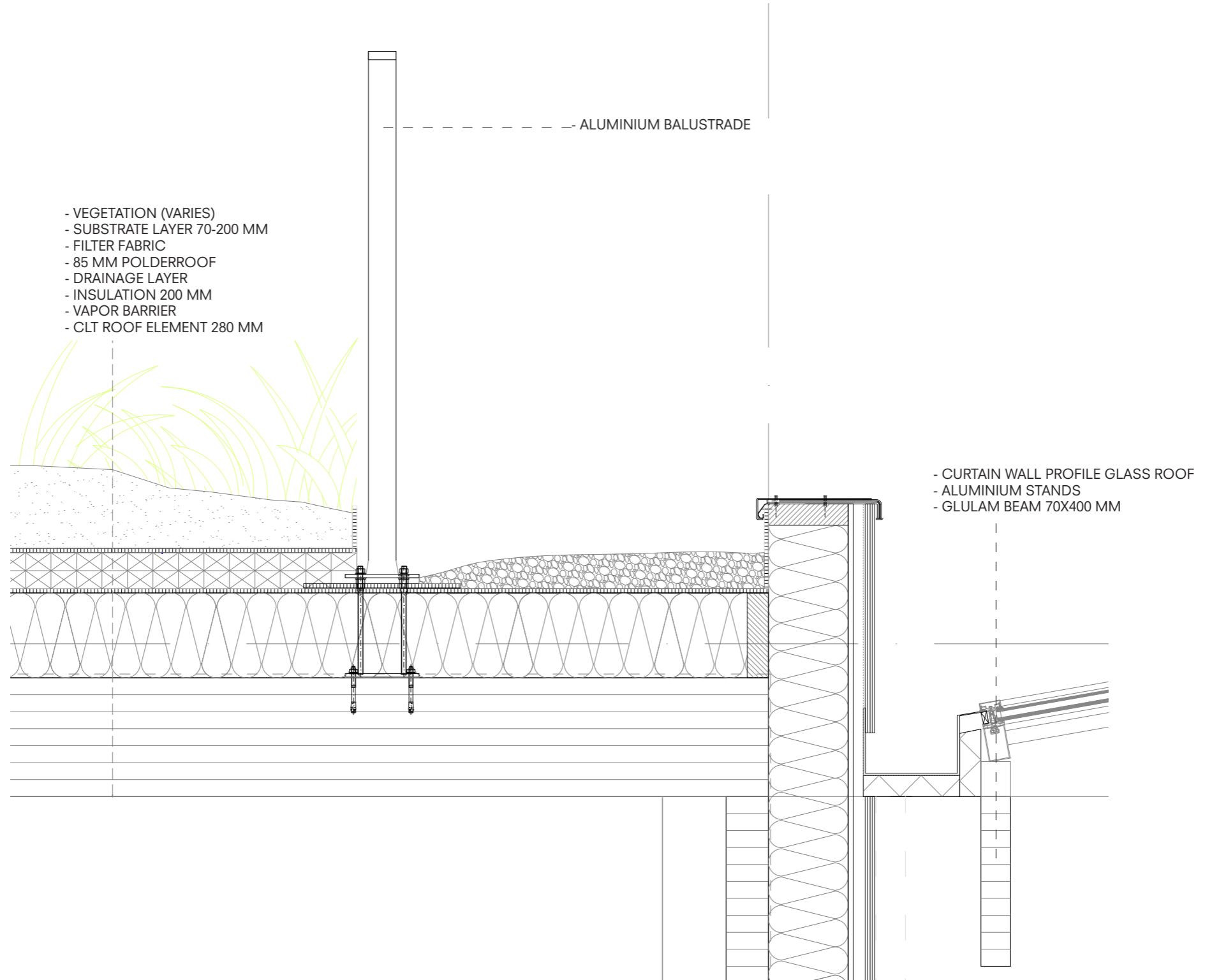
CLIMATE WINTER



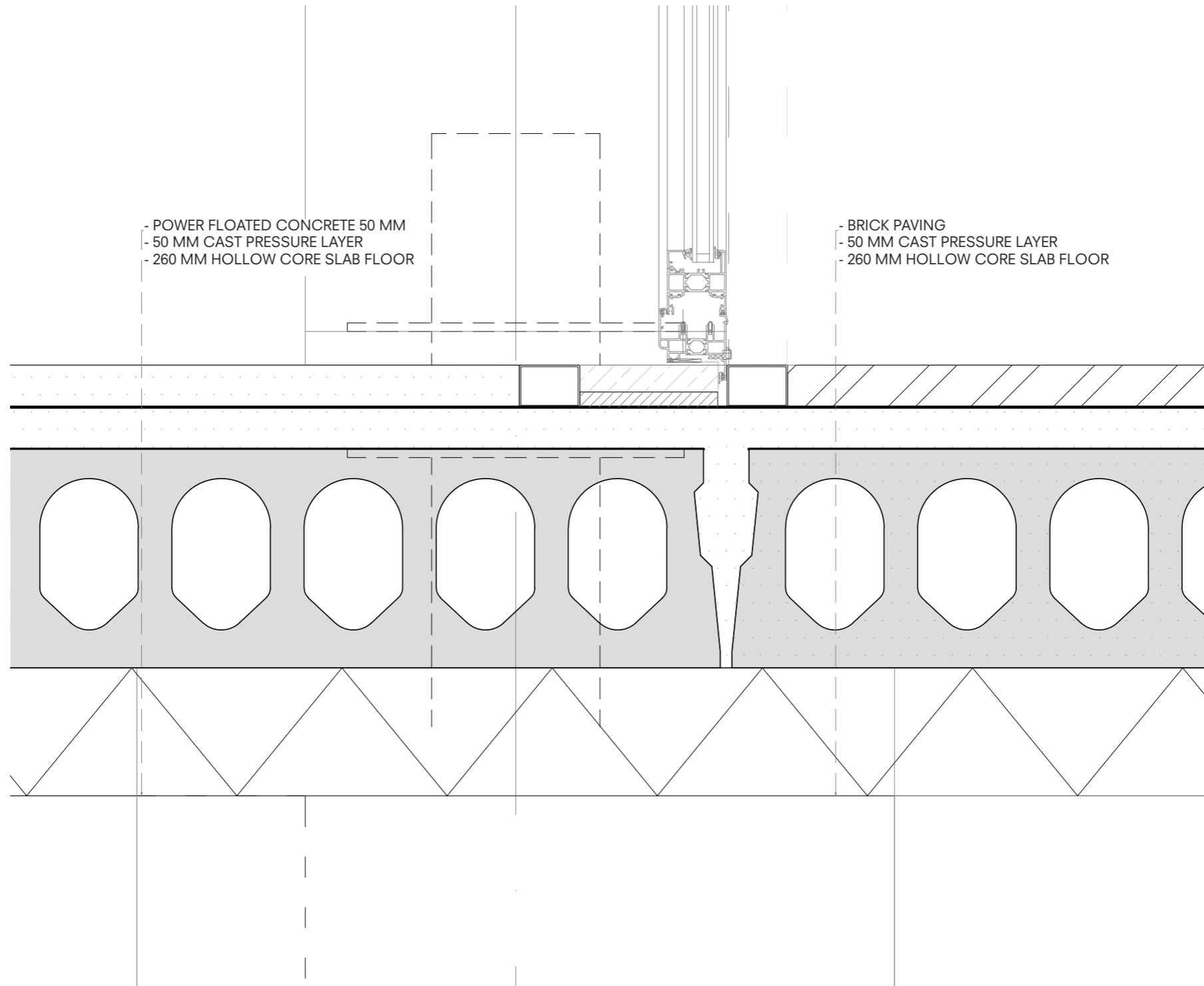
FRAGMENT



ROOFDETAIL



FLOOR MARKET ROUTE



WHAT ARCHITECTURAL INTERVENTION IN A GARDENCITY 2.0 COULD STIMULATE PARTICIPATION AND INTERACTION IN ORDER TO PREVENT SEGREGATION?





UNDERNEATH THE TOWERS PLACES FOR BICYCLE STORAGE AND SHARED CARS

