RECONNECTING SOCIAL FRAGMENTS INTO AN URBAN HUB

A PUBLIC CONDENSER IN MORGENSTOND THE HAGUE SOUTHWEST

ROBERT JONKHART

TU Delft MSc3 (AR3AP131) / MSc4 (AR4AP100) P5 presentation, Friday 26 June 2020
Public Building / Graduation Studio Public Condenser: The Hague-Copenhagen

Studio Mentors: Paul Kuitenbrouwer [A] & Gilbert Koskamp [BT]
Board of Examiners delegate: Marriette Overschie

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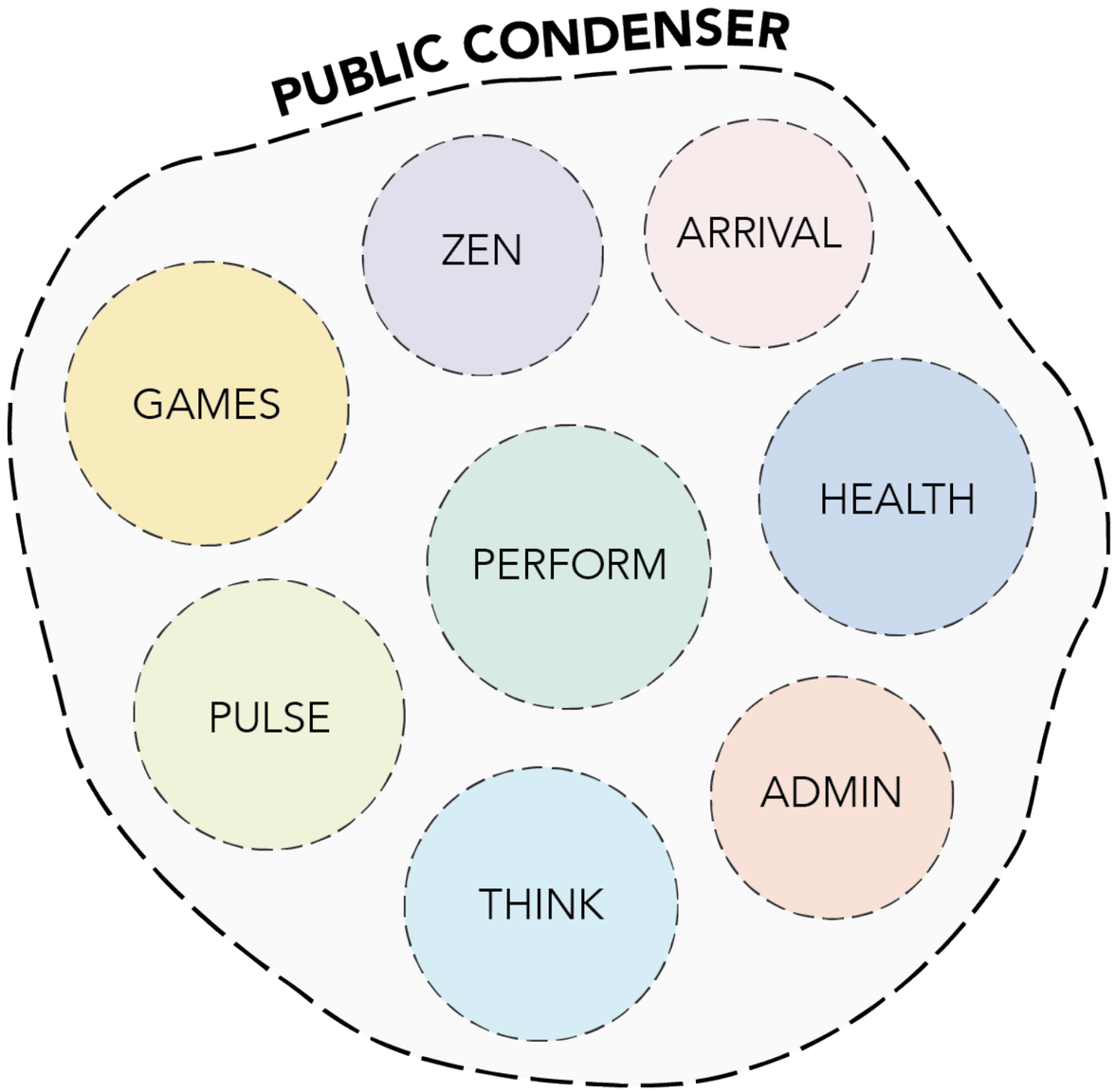
PROJECT

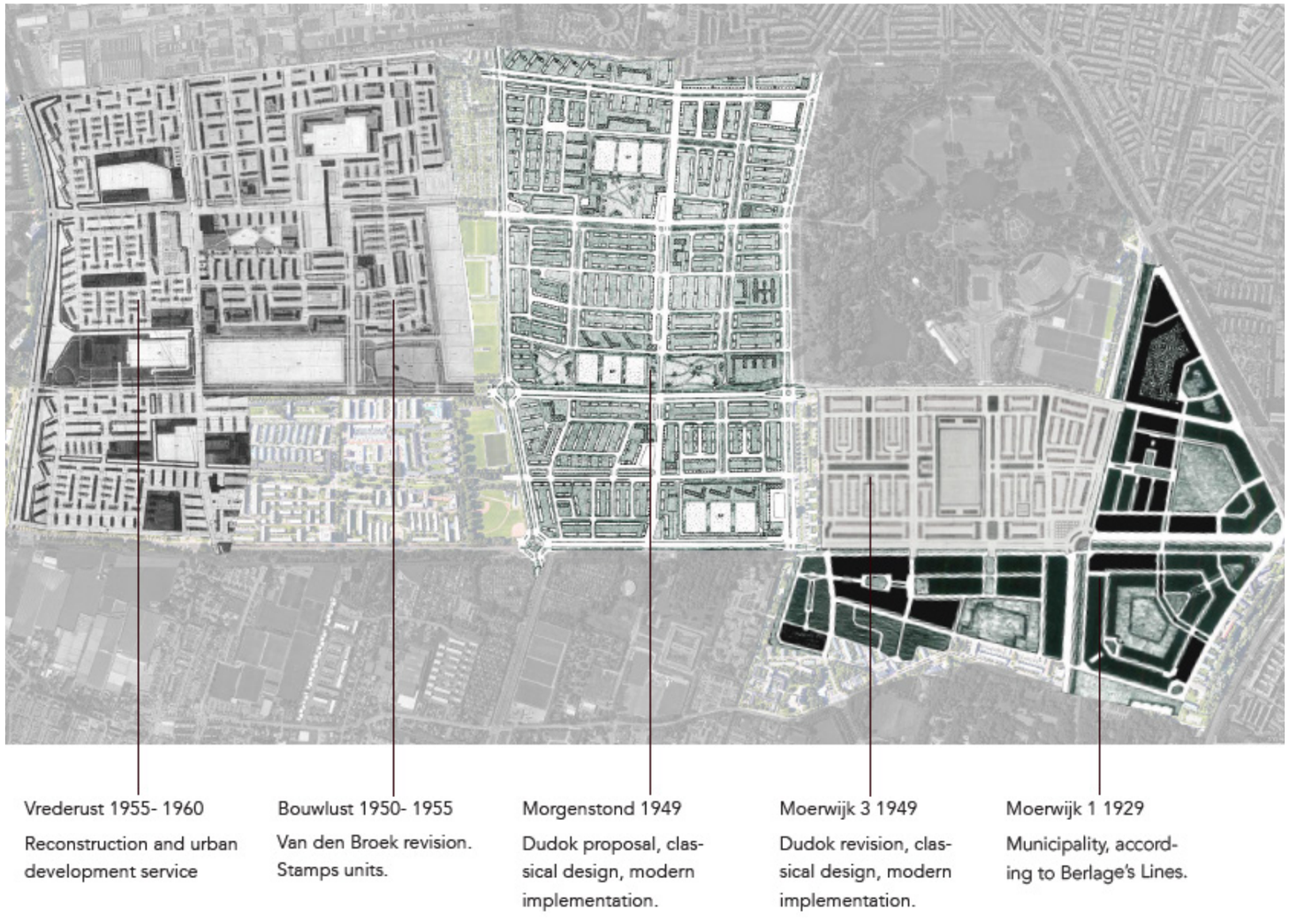
PUBLIC CONDENSER



THE HAGUE


Scheveningen
Leidschendam
Voorburg
Vogelwijk
Centrum
Loosduinen
Southwest
Ypenburg
N

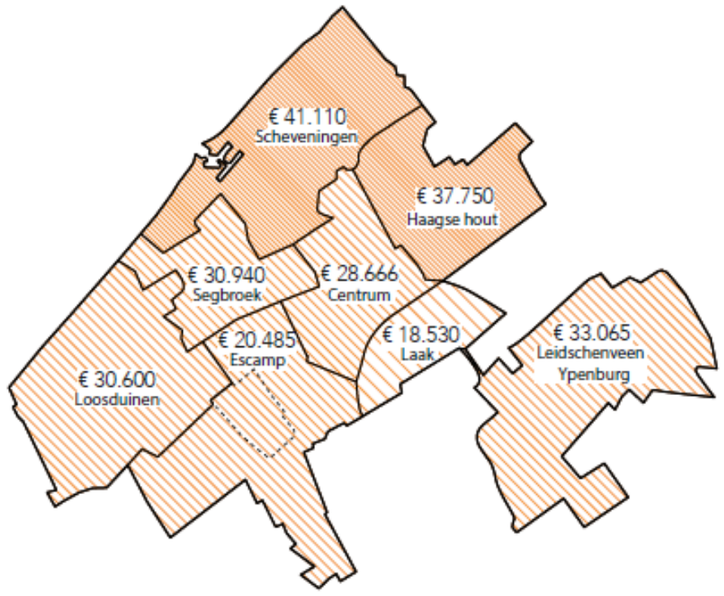
THE REGION IN NUMBERS



A map showing the planned neighborhoods of The Hague Southwest
(map by research group 1)

	Morgenstond	Den Haag
I have many contacts with people living in the neighbourhood, in %	25.8	30.1
I am happy with the composition of people in the neighbourhood, in %	45.5	56.3
social cohesion	4.9	5.6
I live in a pleasant neighbourhood with a lot of harmony, in %	23.8	33.0
I feel at home with the people who live in this neighbourhood, in %	38.9	50.6

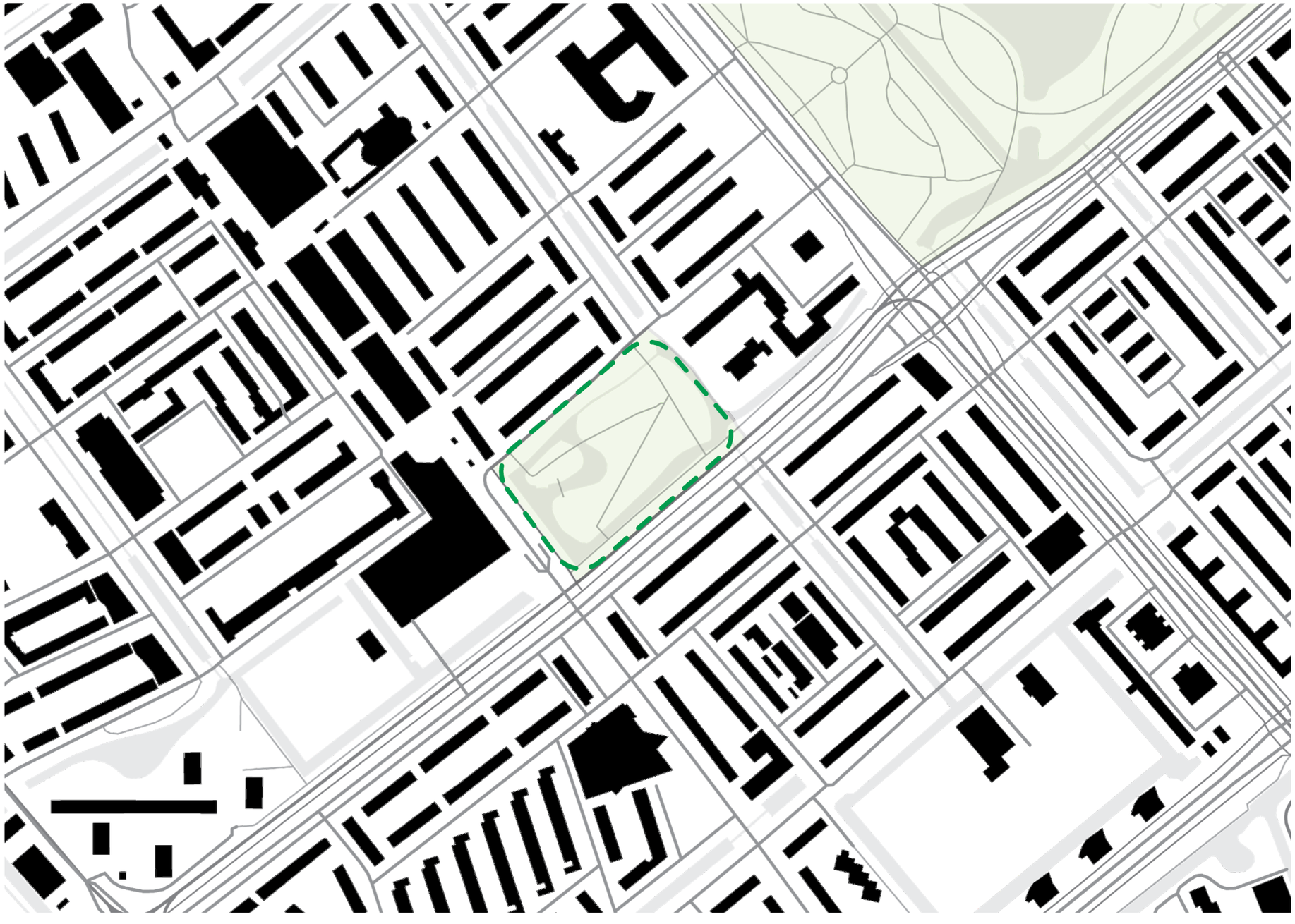
Social cohesian numbers in Morgenstond (site area)
(diagram by research group 5)



Average income in The Hague
(diagram by research group 5)

THE HAGUE SOUTHWEST, MORGENSTOND

MELIS STOKEPARK



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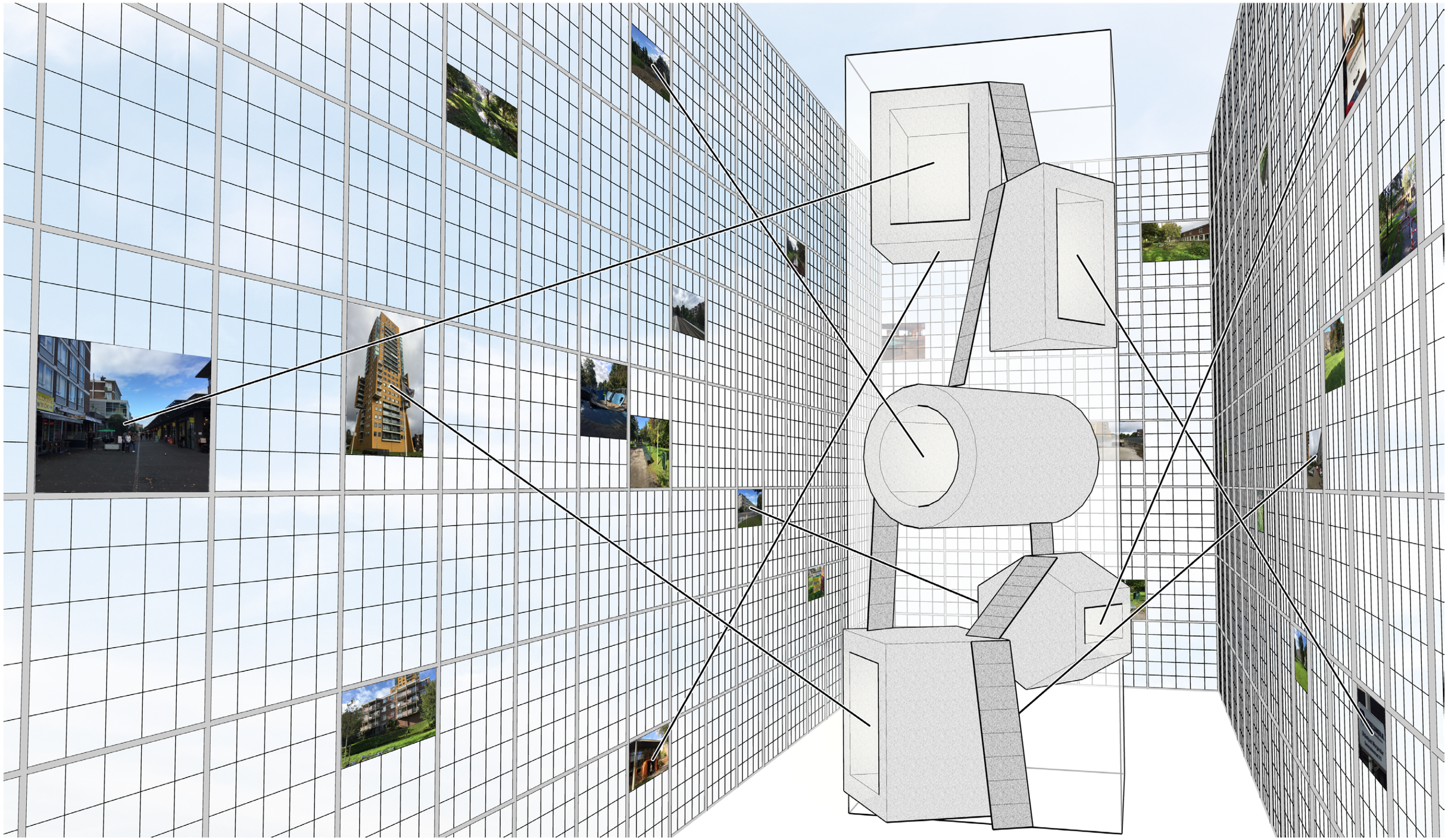
MELIS STOKEPARK

Melis Stokepark

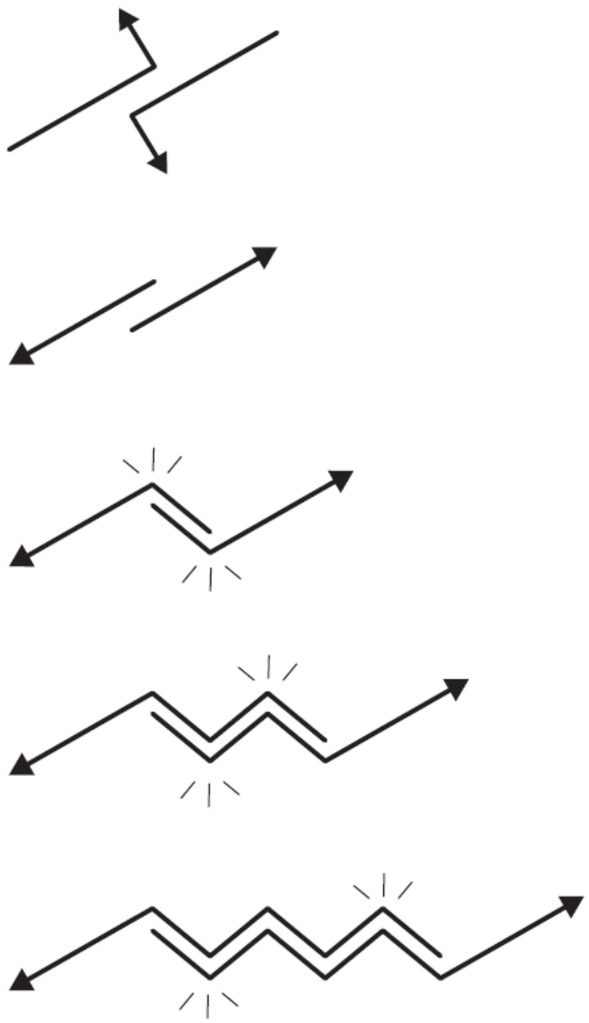
Typical local building blocks

CONCEPT

DESIGN MANIFESTO



SOCIAL INTERACTION & MEETING



ENEMIES

UNKNOWN

FAMILIAR

ACQUAINTANCE

FRIEND

CORE IDEAS

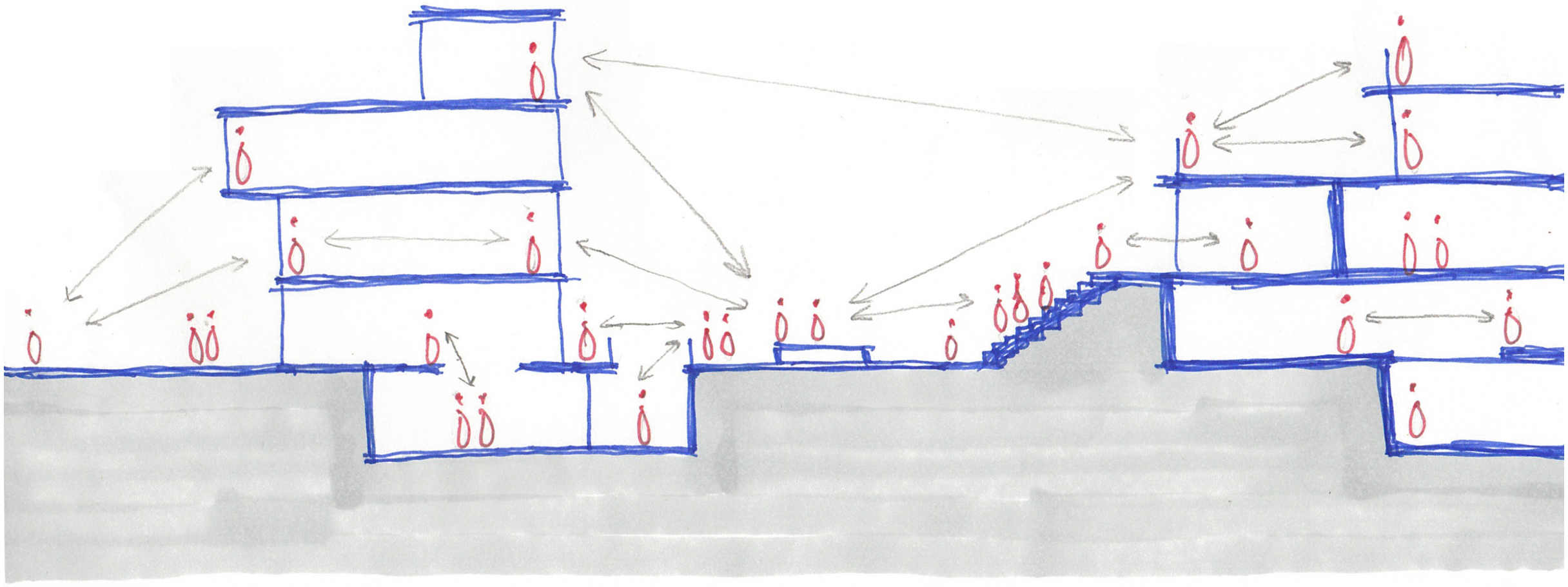
- NEIGHBORHOOD FACILITY

- FAMILIARITY, INTEGRATION AND ACCESSIBILITY

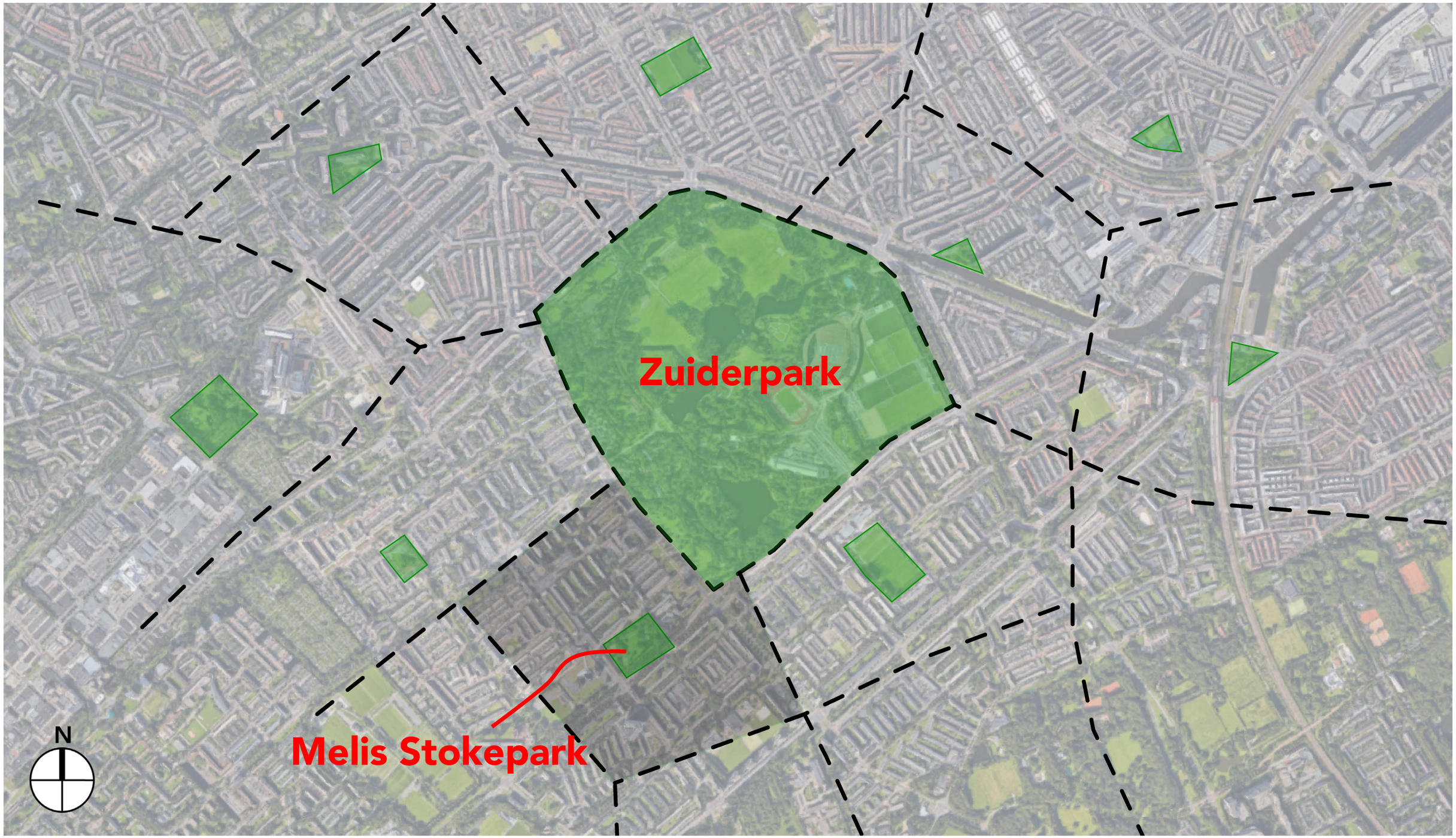
- ENGAGING LOCALS

- INVOKING MEETING

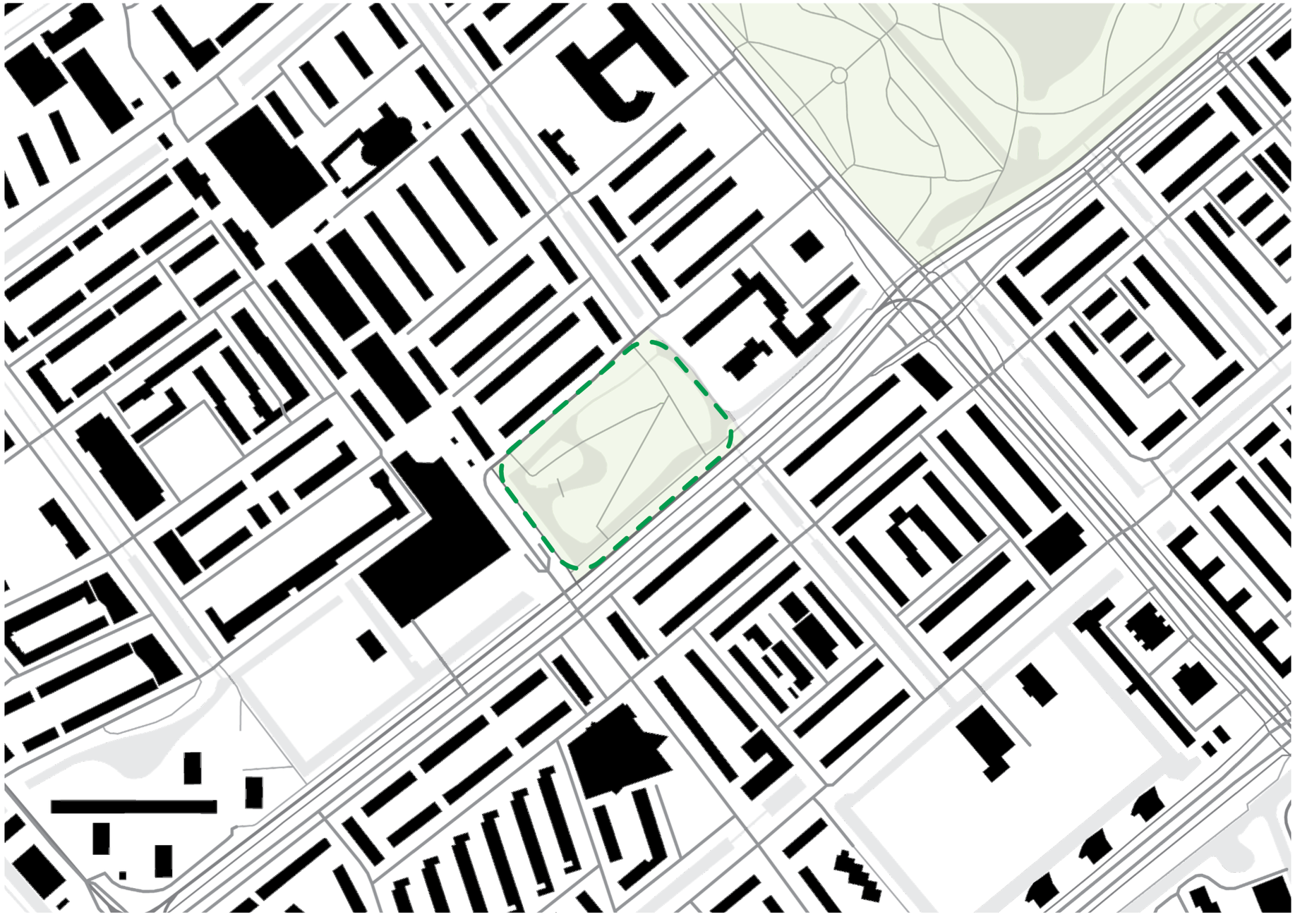
CORE IDEAS



CITY PARK vs NEIGHBORHOOD PARK



URBAN STRUCTURE



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URBAN STRUCTURE

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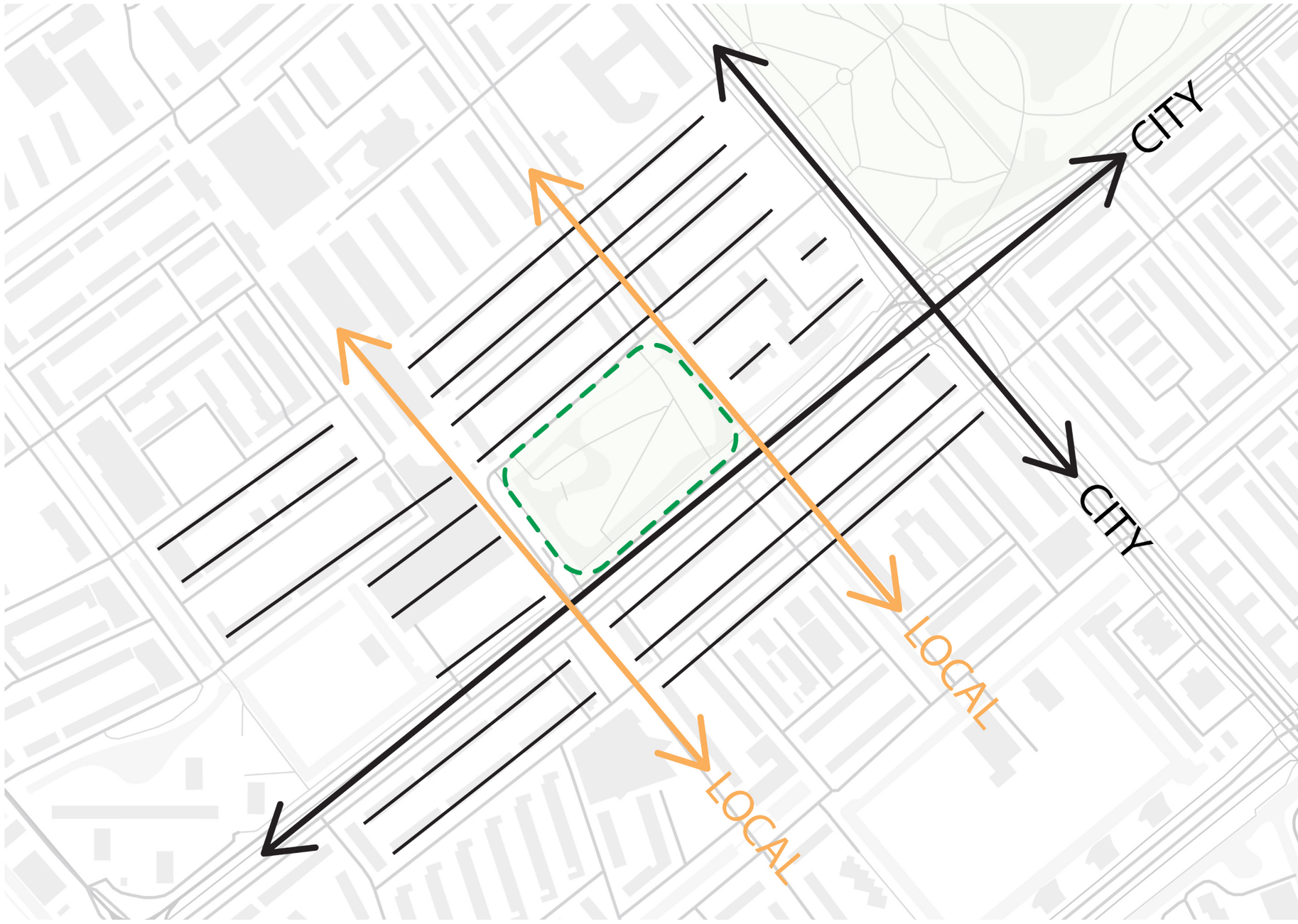
URBAN STRUCTURE



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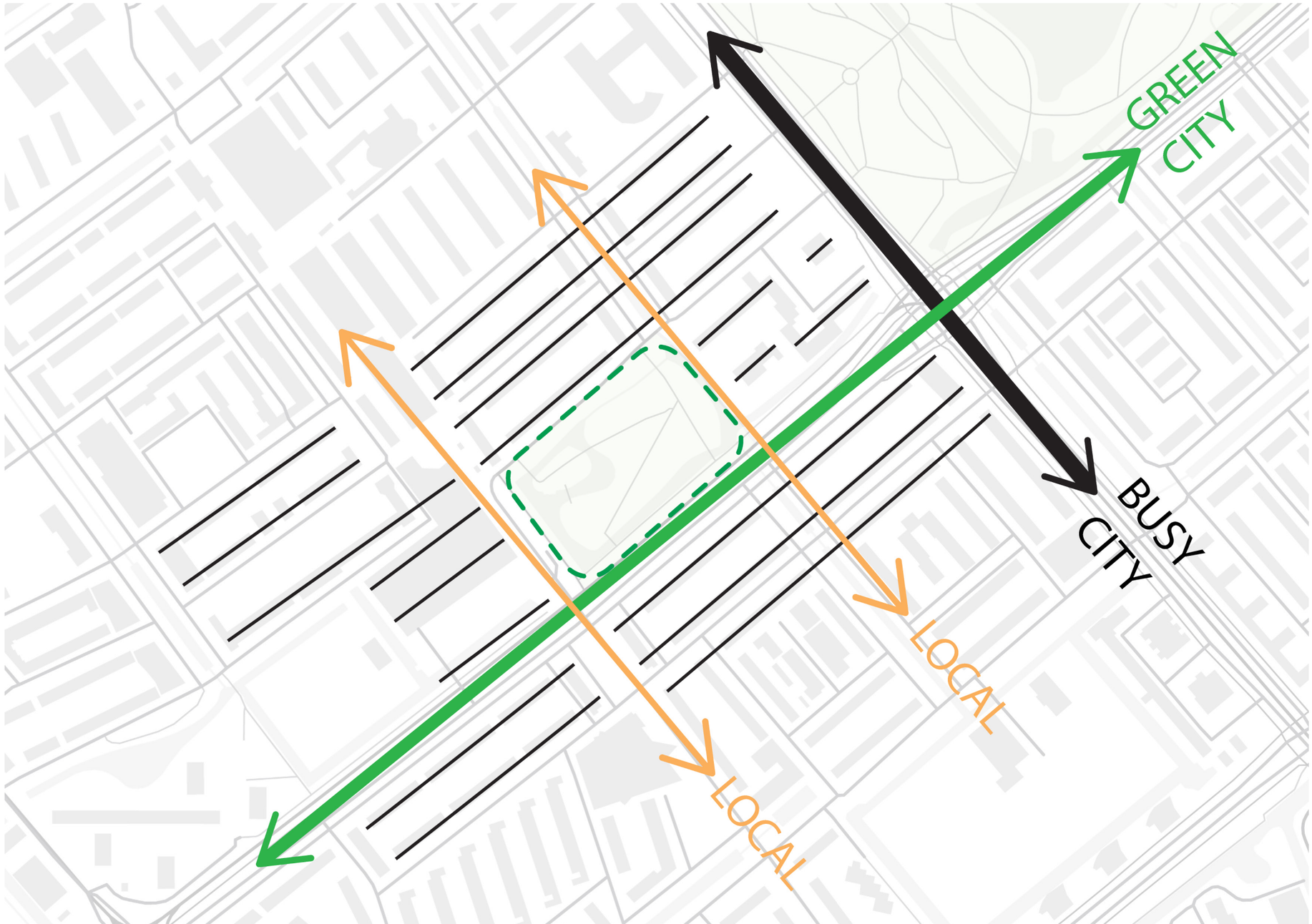

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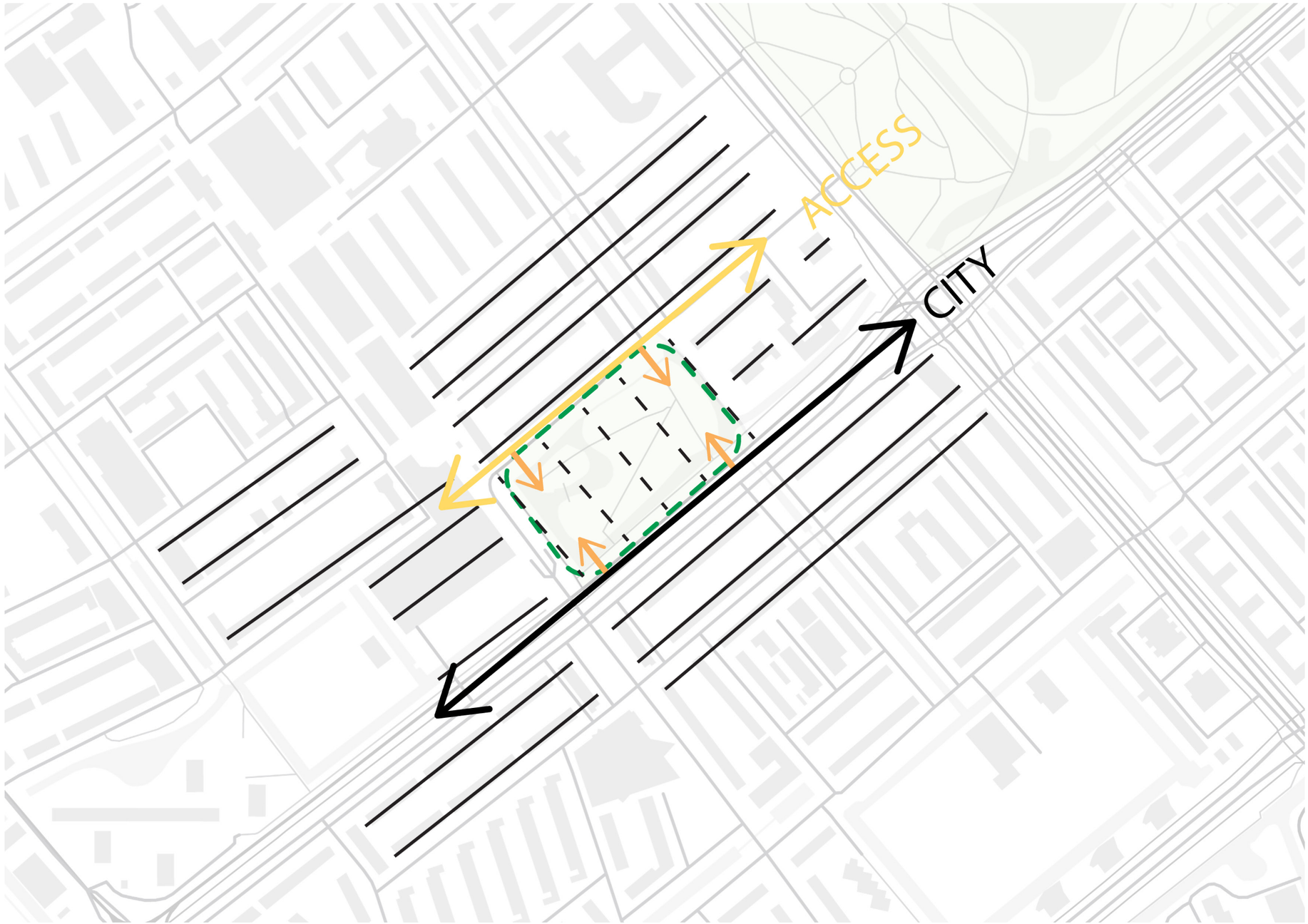

URBAN STRUCTURE

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URBAN STRUCTURE

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URBAN STRUCTURE

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PROGRAM BRIEF

HEALTH

ZEN

PERFORM

GAMES

PULSE

THINK

PROGRAM BRIEF

CONSULTATION

PHYSIOTHERAPY

SPA

ZEN SPACE

SOCIAL LOUNGE

THEATRE

PLAY AREA

CLIMBING WALL

TABLE GAMES

BOWLING ALLEY

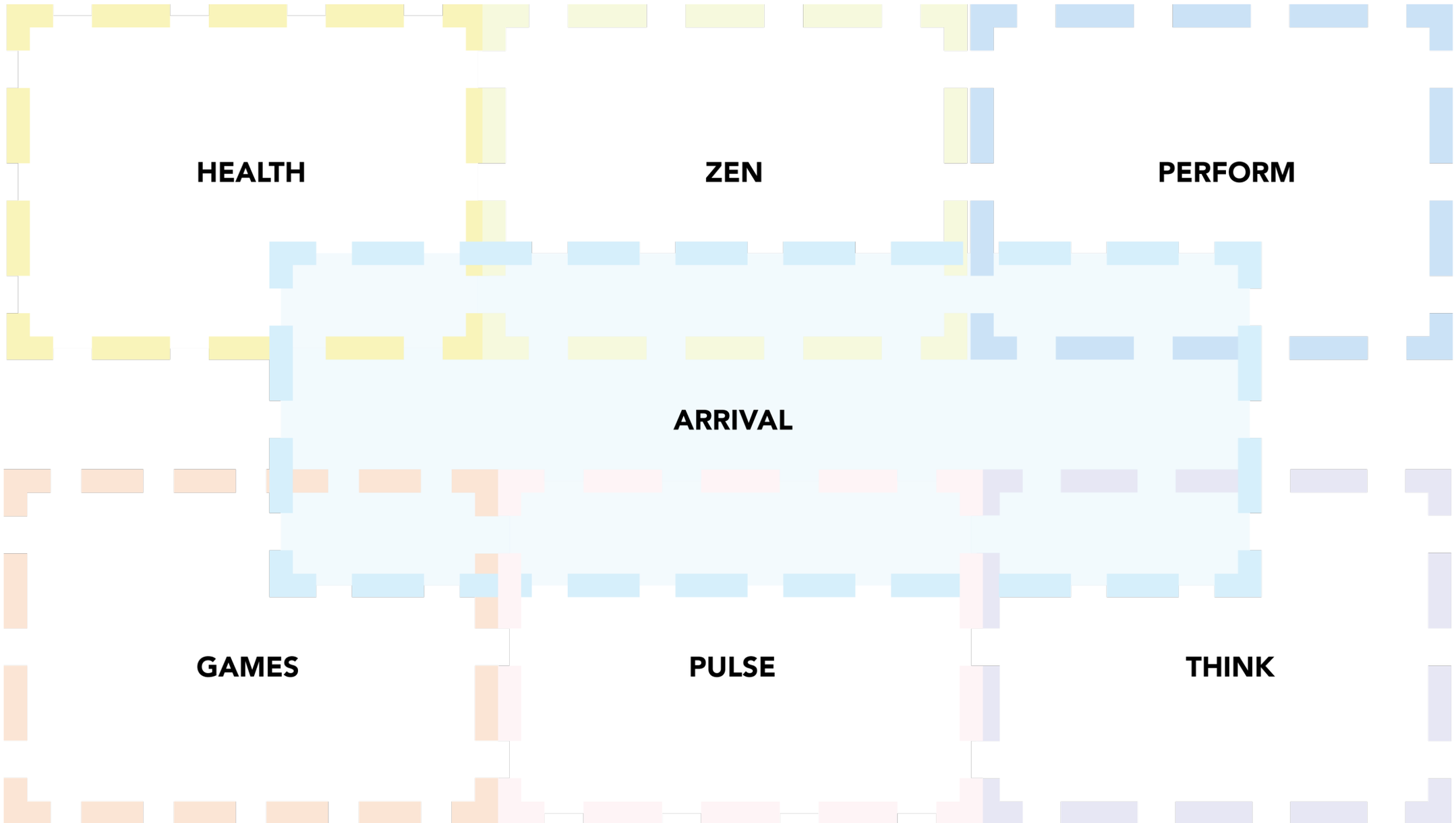
MARTIAL ARTS

DANCE STUDIO

KITCHEN CLASS

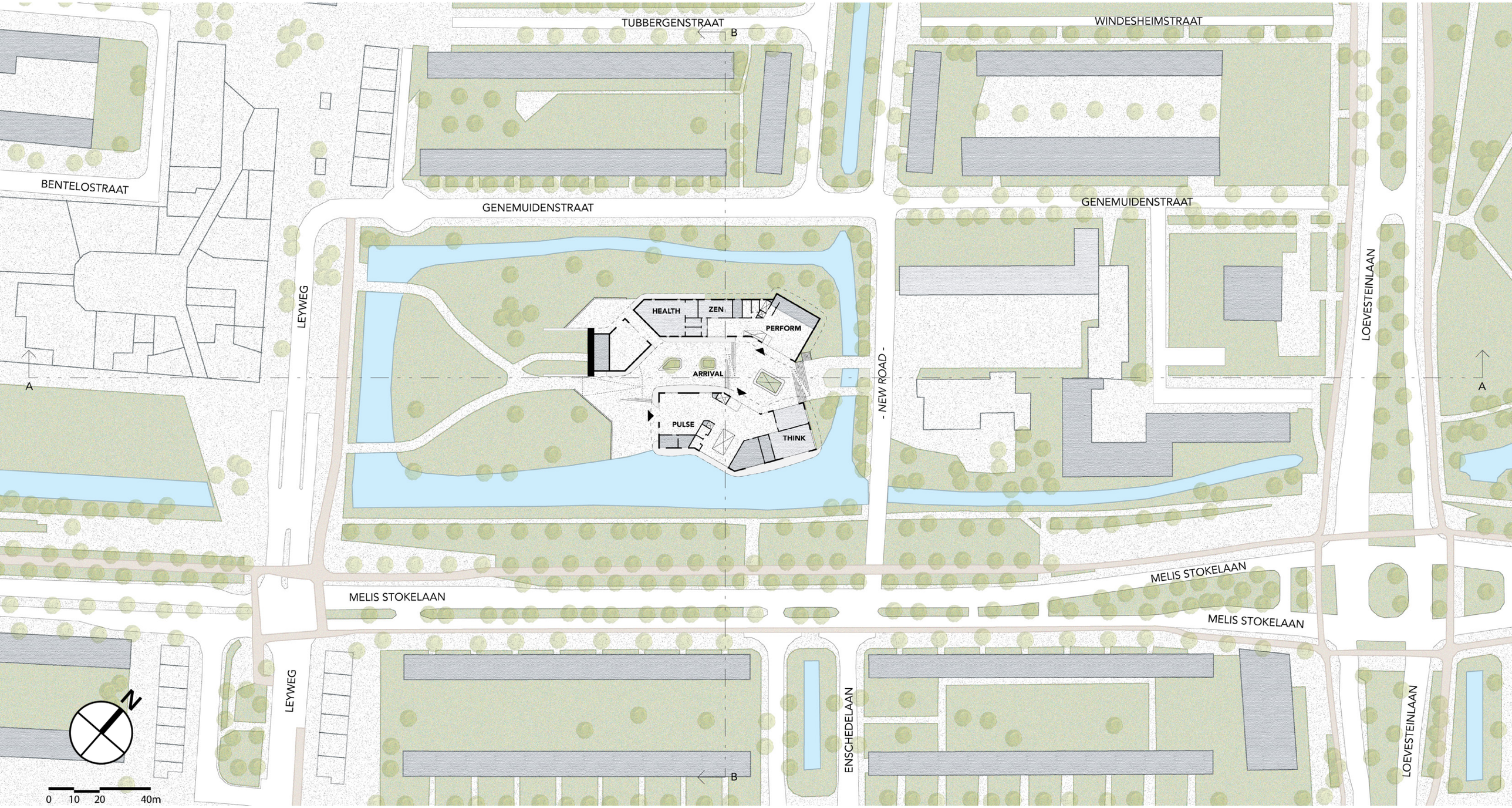
WORKSHOP CLASS

PROGRAM BRIEF

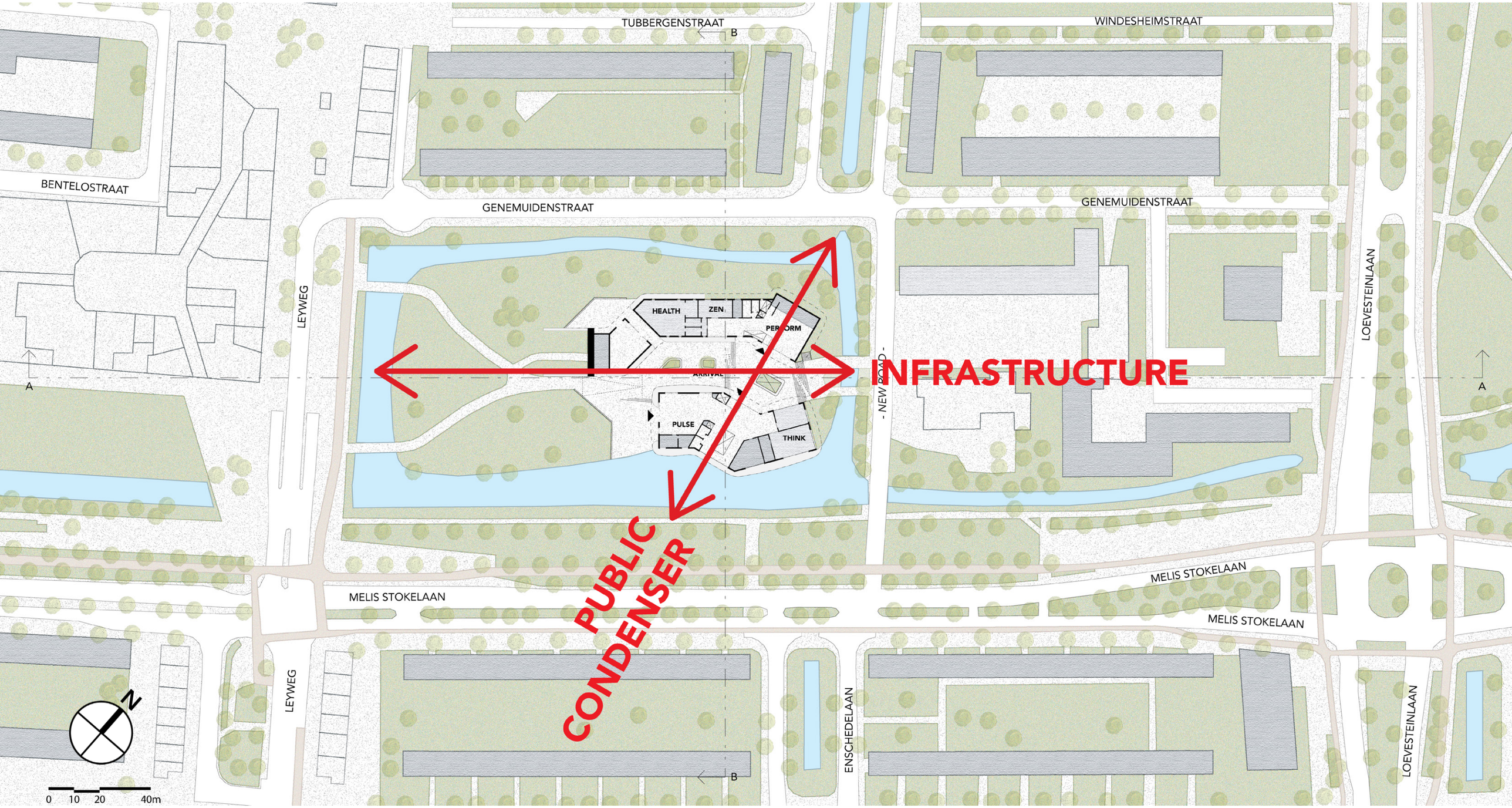


DESIGN

SITE


TUBBERGENSTRAAT
B
WINDESHEIMSTRAAT
BENTELOSTRAAT
GENEMUIDENSTRAAT
GENEMUIDENSTRAAT
LEYWEG
HEALTH
ZEN
PERFORM
ARRIVAL
PULSE
THINK
- NEW ROAD -
LOEVESTEINLAAN
A
A
MELIS STOKELAAN
MELIS STOKELAAN
MELIS STOKELAAN
LEYWEG
ENSCHEDELAAN
LOEVESTEINLAAN
B
N
0 10 20 40m

SITE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MELIS STOKELAAN
LEYWEG
ENSCHEDELAAN
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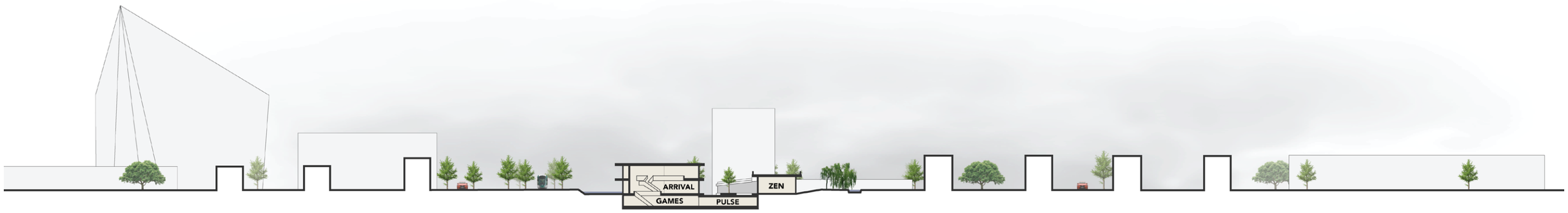
B
N
0 10 20 40m

SITE

SITE SECTION AA

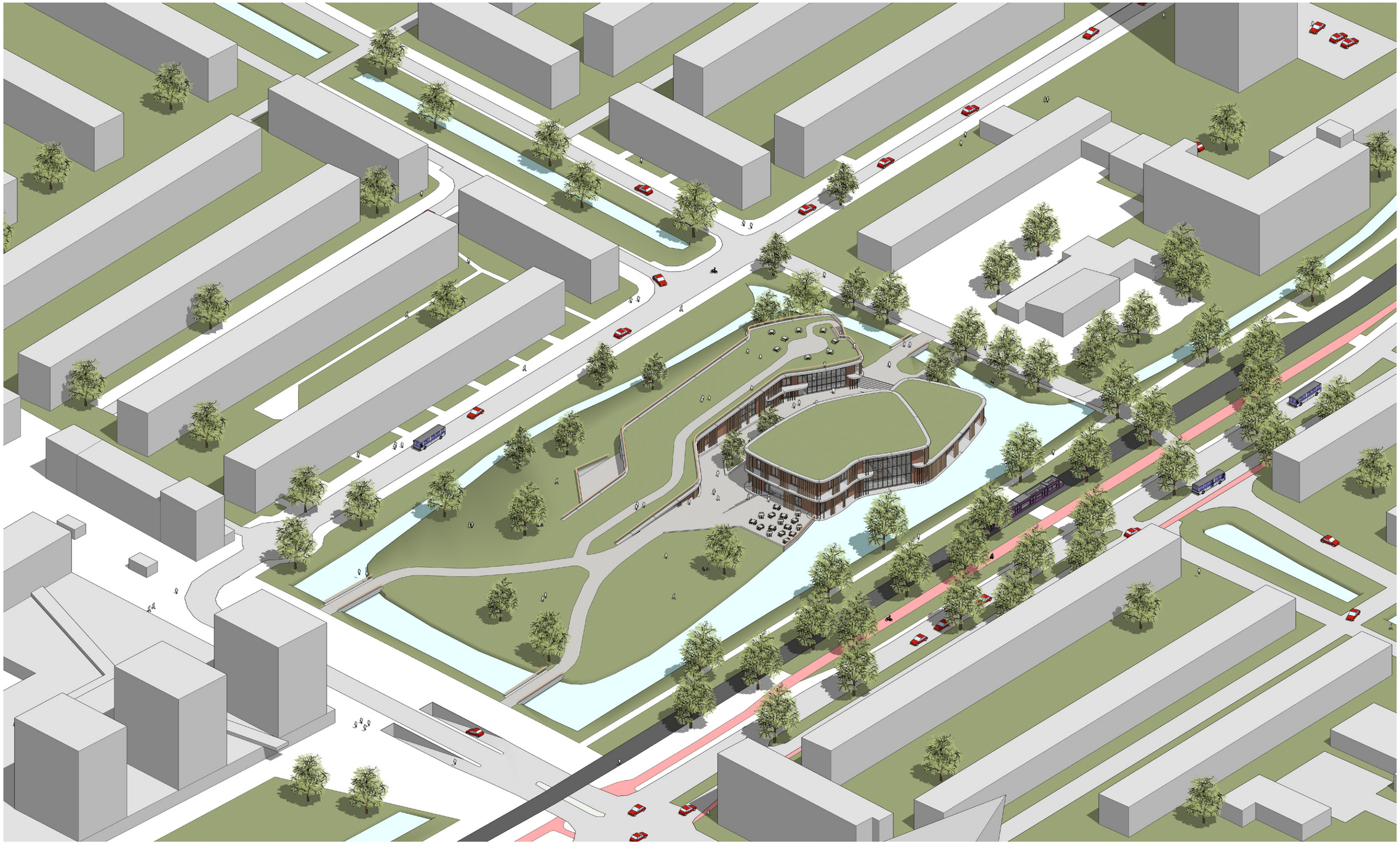
0 10 20 40m



SITE SECTION BB

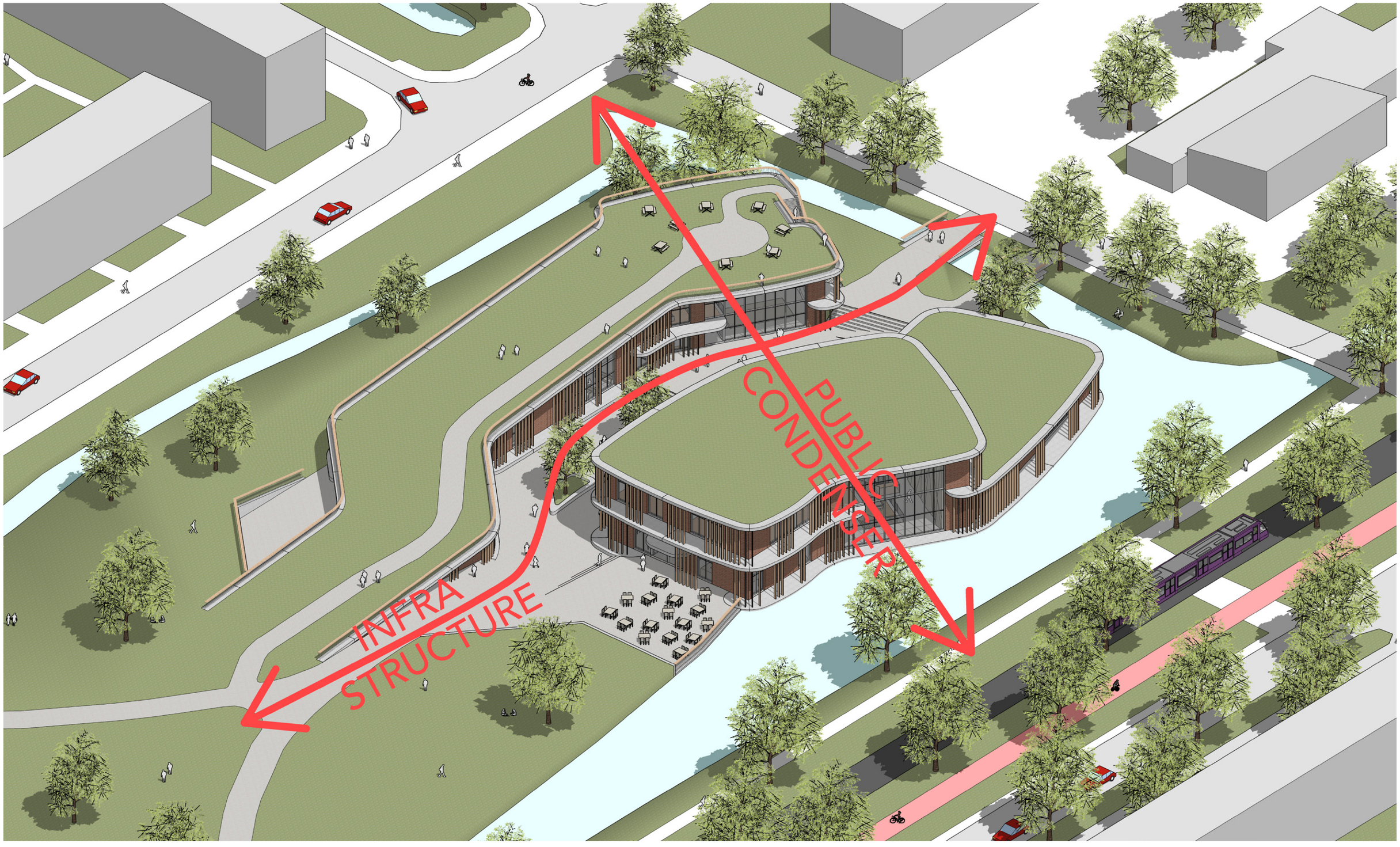
0 10 20 40m

BUILDING ORGANISATION



BUILDING ORGANISATION

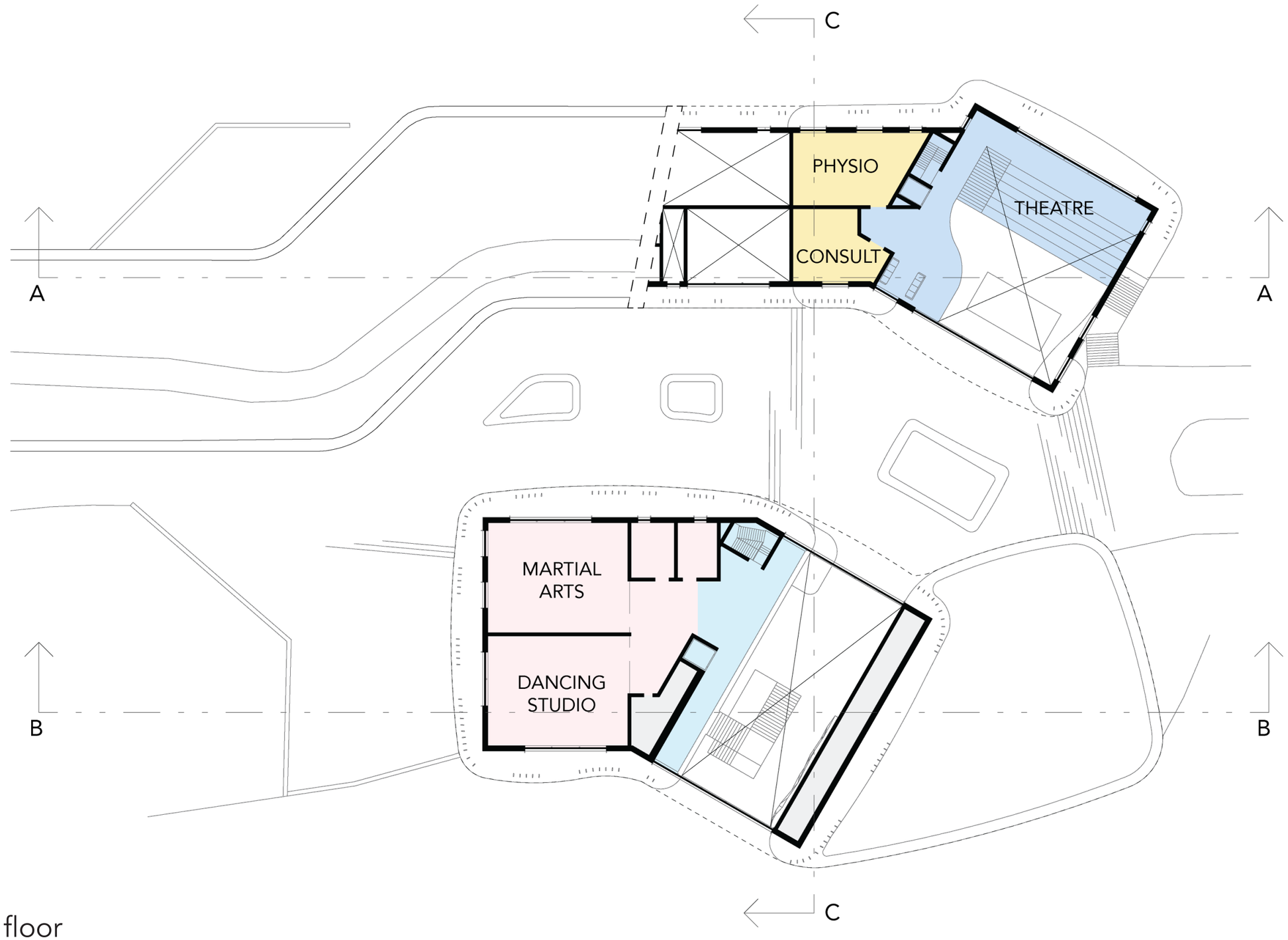
BUILDING ORGANISATION



BUILDING ORGANISATION

ground floor

BUILDING ORGANISATION



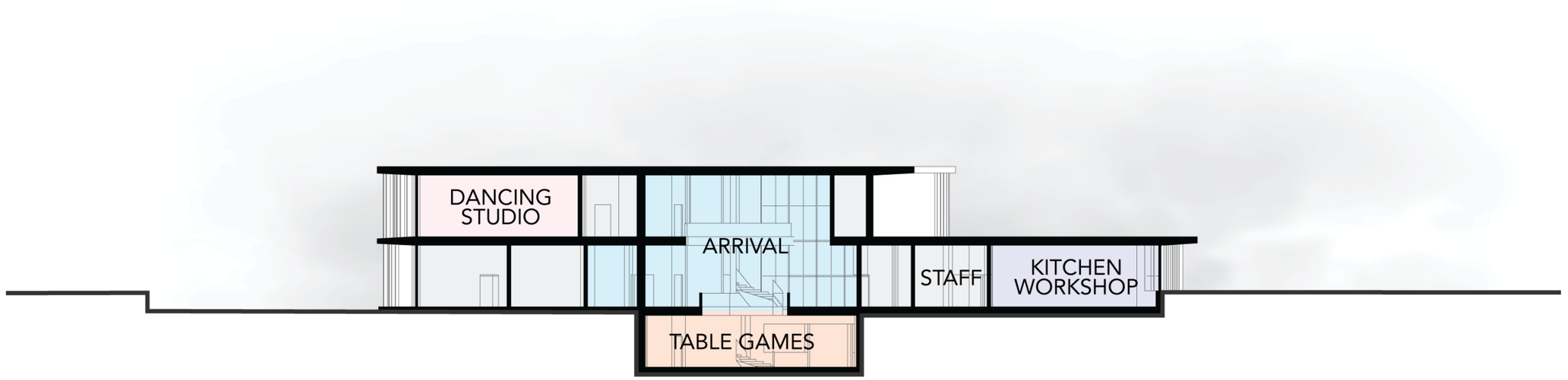
first floor

BUILDING ORGANISATION

subterranean floor

BUILDING ORGANISATION

section AA



section BB

OUTDOOR BYCICLE STORAGE

INDOOR BYCICLE STORAGE

SPA & MASSAGE

SAUNA

ZEN SPACE

STAFF ROOM

TOILET FEMALE

TOILET MALE

LIFT

STORAGE

THEATRE & SEATING

STAGE

DRESSING

DRESSING

SOCIAL LOUNGE

RECEPTION

D

PLAZA

PLAZA

INDOOR SEATING

OUTDOOR SEATING

INTERACTIVE PLAY AREA

BAR

KITCHEN

STORAGE

TOILET FEMALE

TOILET MALE

LIFT

ENTRANCE HALL

WALL CLIMBING

RECEPTION

MEETING HALL

WORKSHOP SPACE

KITCHEN WORKSHOP SPACE

STAFF ROOM

STORAGE

D

N

0 2 4 8m

OUTDOOR BYCICLE STORAGE

INDOOR BYCICLE STORAGE

SPA & MASSAGE

SAUNA

ZEN SPACE

STAFF ROOM

TOILET FEMALE

TOILET MALE

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ENTRANCE HALL

RECEPTION

MEETING HALL

STAFF ROOM

STORAGE

WORKSHOP SPACE

KITCHEN WORKSHOP SPACE

D

N

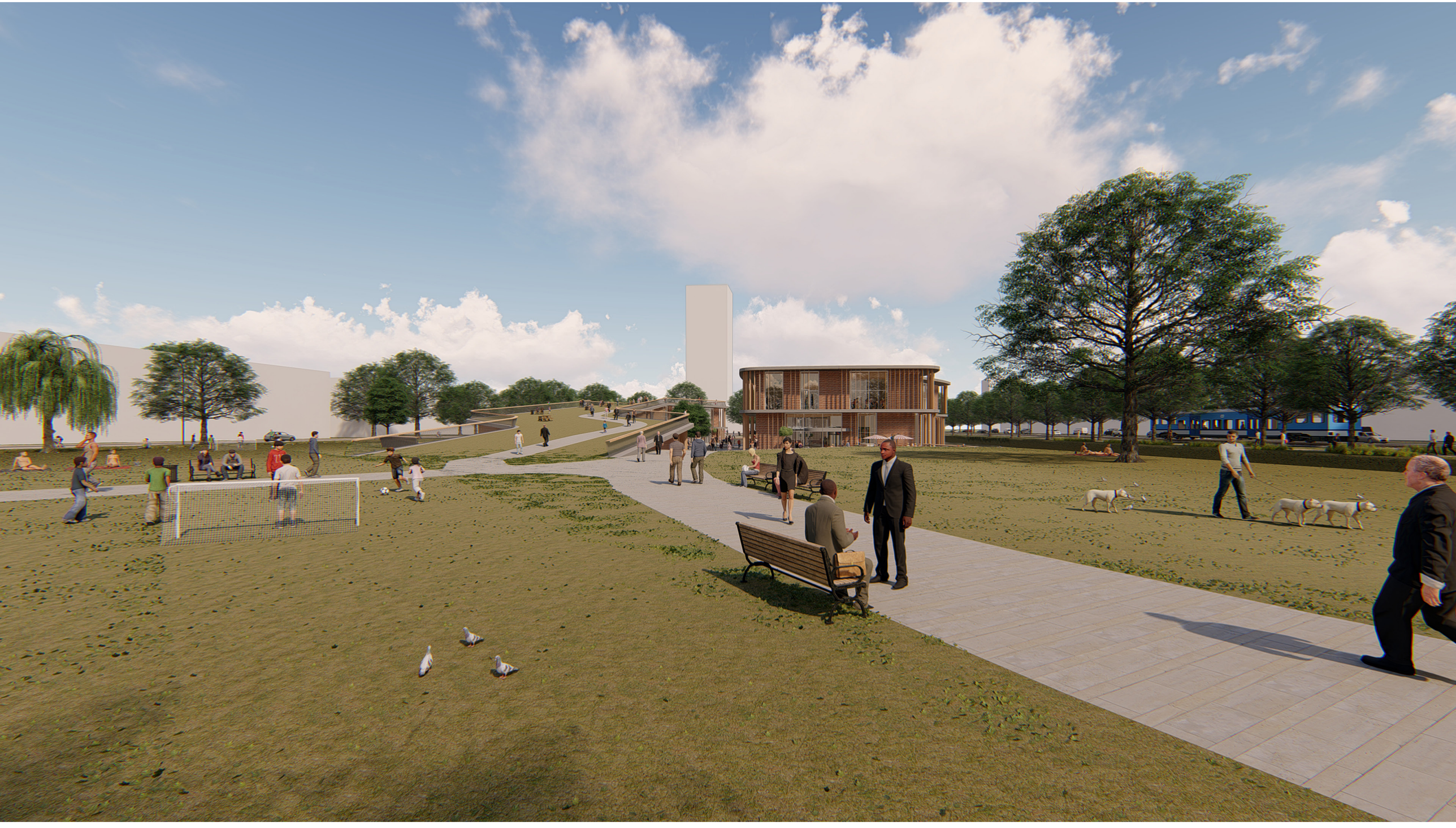
0 2 4 8m

WATER AS BARRIER

WATER AS BARRIER

APPROACH: LEYWEG SHOPPING AREA

APPROACH: MELIS STOKEPARK



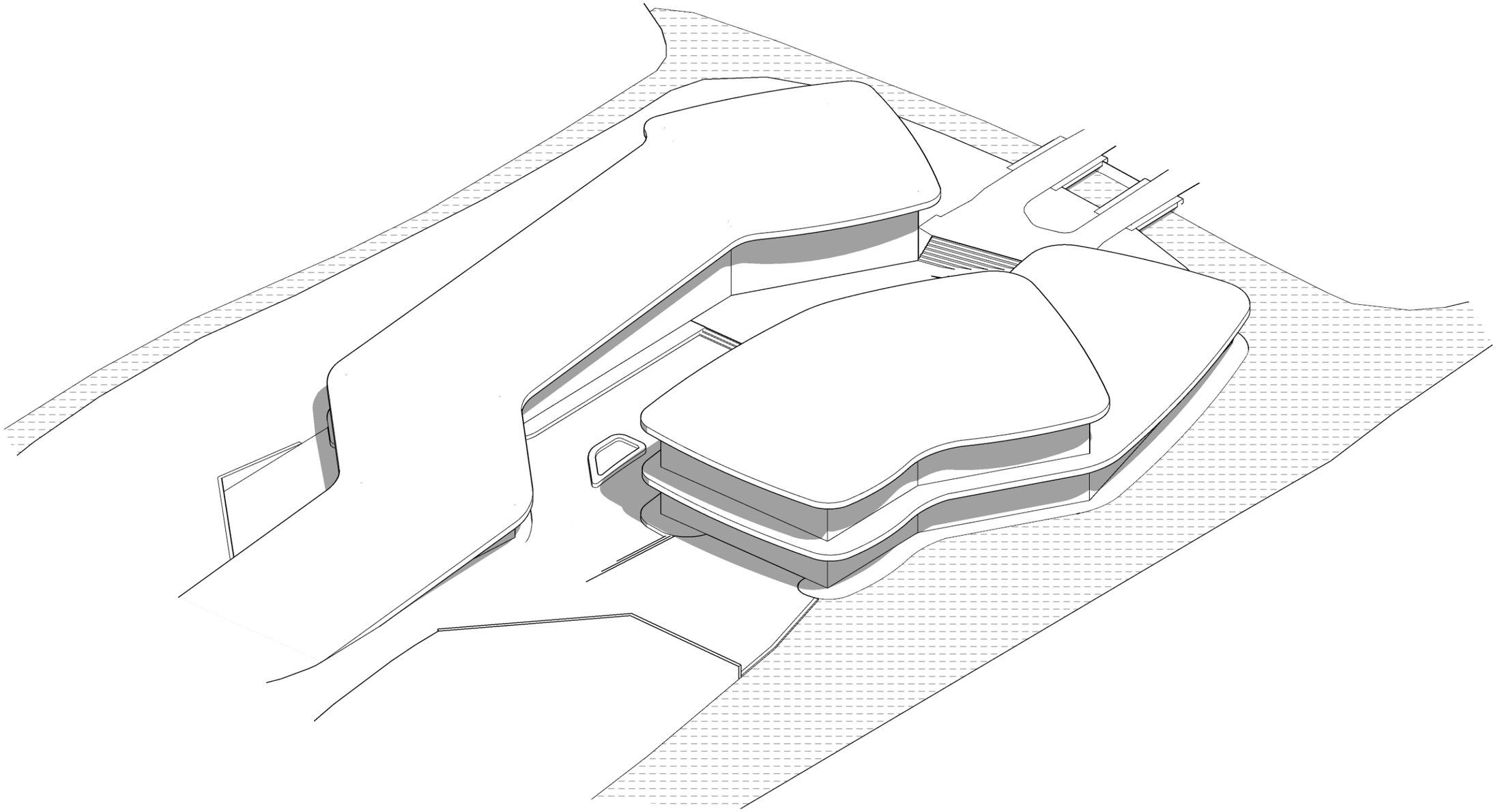
APPROACH: PARK ENTRY

APPROACH: NEW ROAD

APPROACH: PLAZA ENTRY

BUILDING ANATOMY

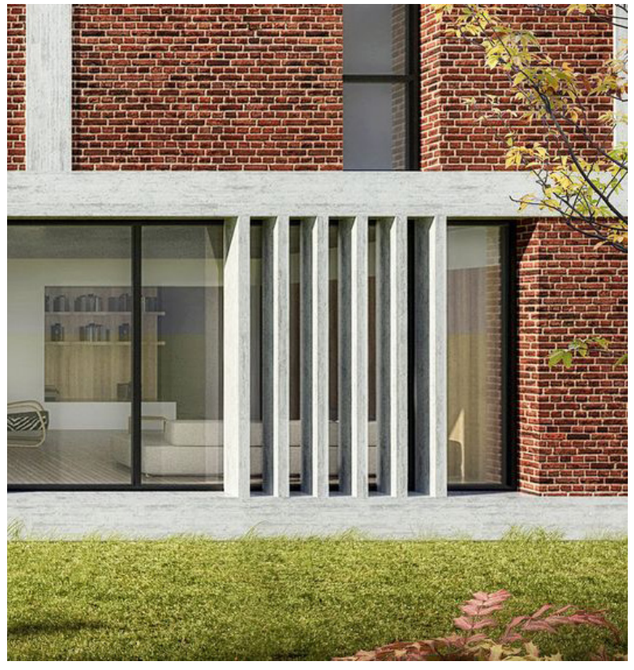
BUILDING ANATOMY

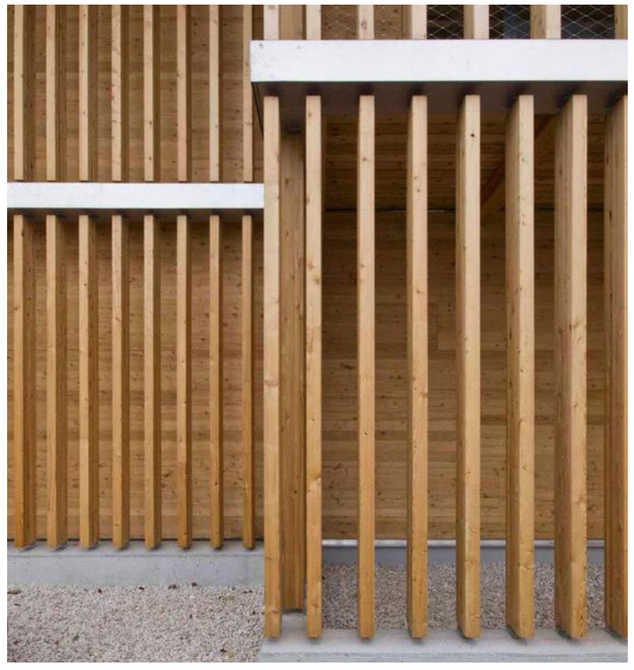


MATERIALS

LOCAL MATERIALS

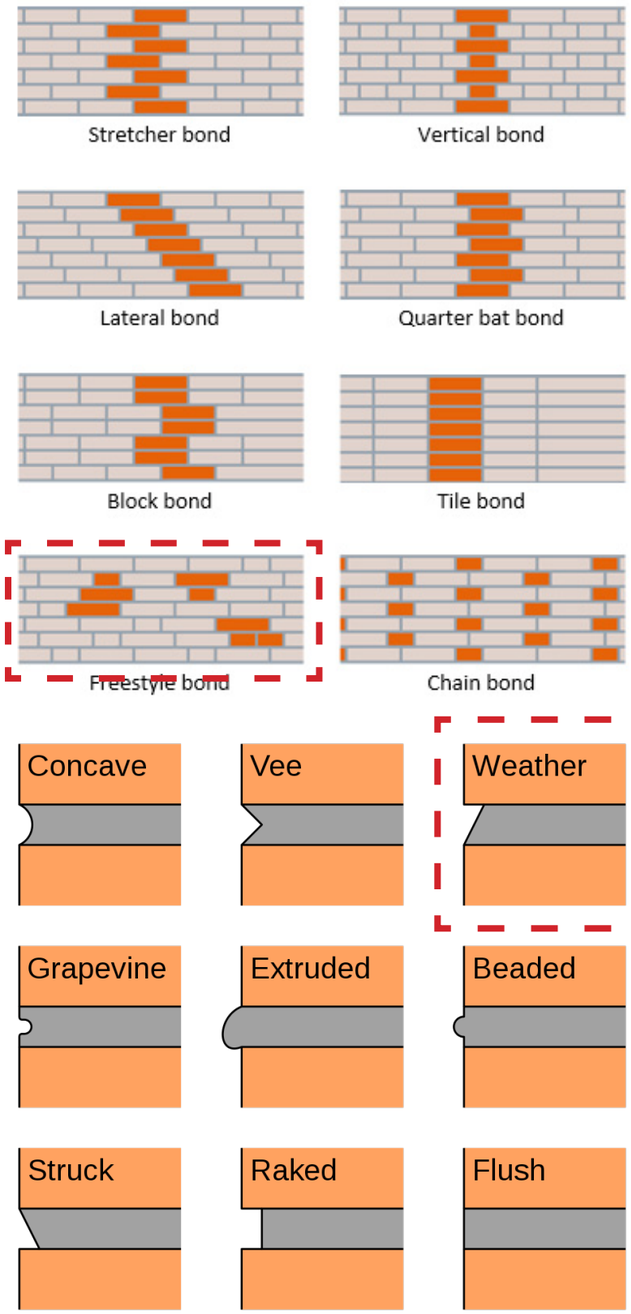
typical Morgenstond structures



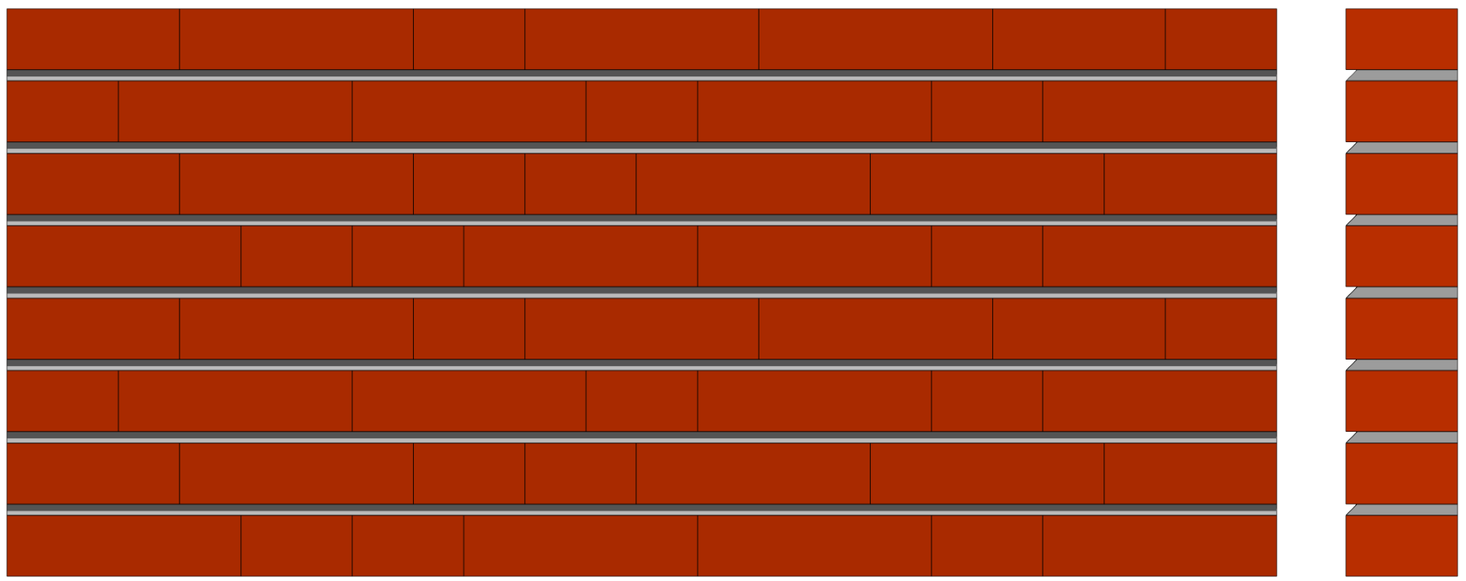


innovating material approaches

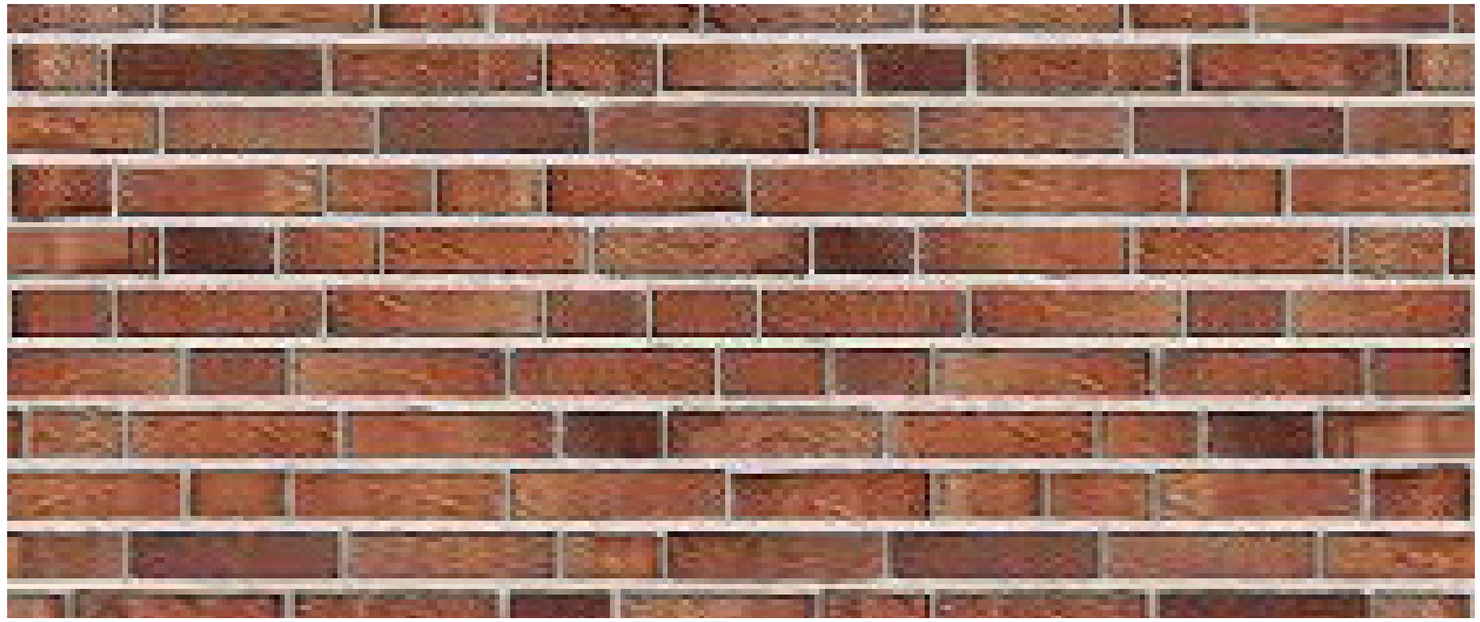
MATERIALS: BRICKWORK



A variety of bonds and mortar joints



Horizontal brickwork, in wild bond, with a weather joint; study image



Horizontal brickwork, in wild bond, with a weather joint; final pattern

MATERIALS: CONCRETE OVERHANG

MATERIALS: WOODEN SLATS

MATERIALS: WOODEN SLATS

MATERIALS: WOODEN SLATS

RESULTING FACADE COMPOSITION

MULTIPLICITY

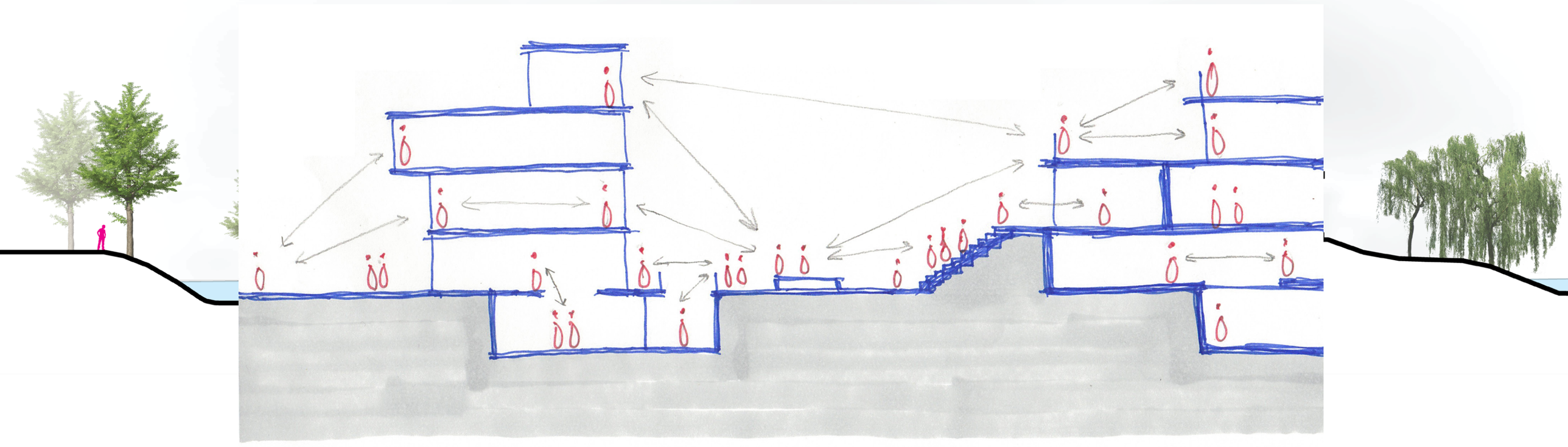
MULTIPLICITY

MULTIPLICITY

INTERIOR

INTERIOR

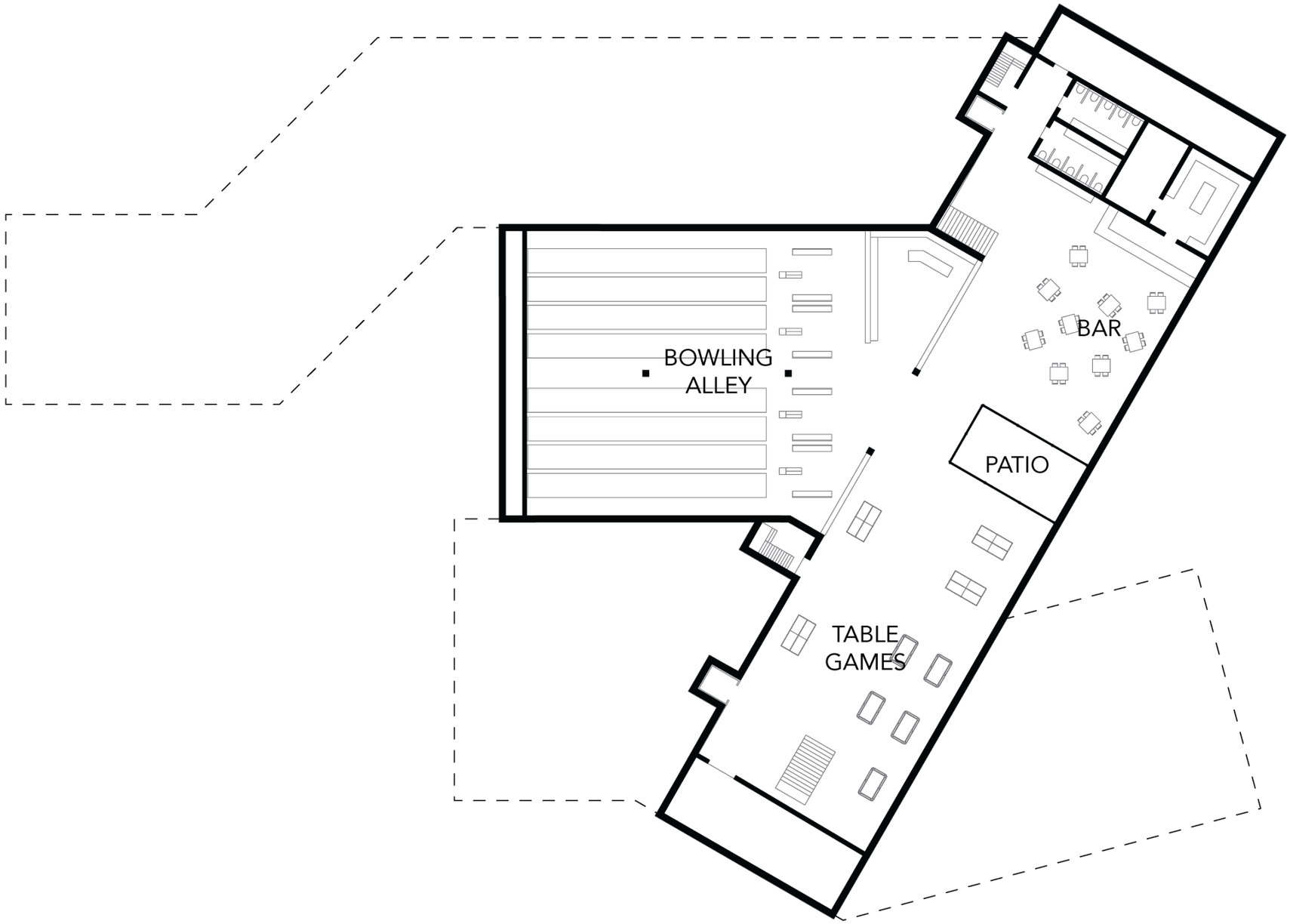
FACILITATING A POTENTIAL CONNECTION



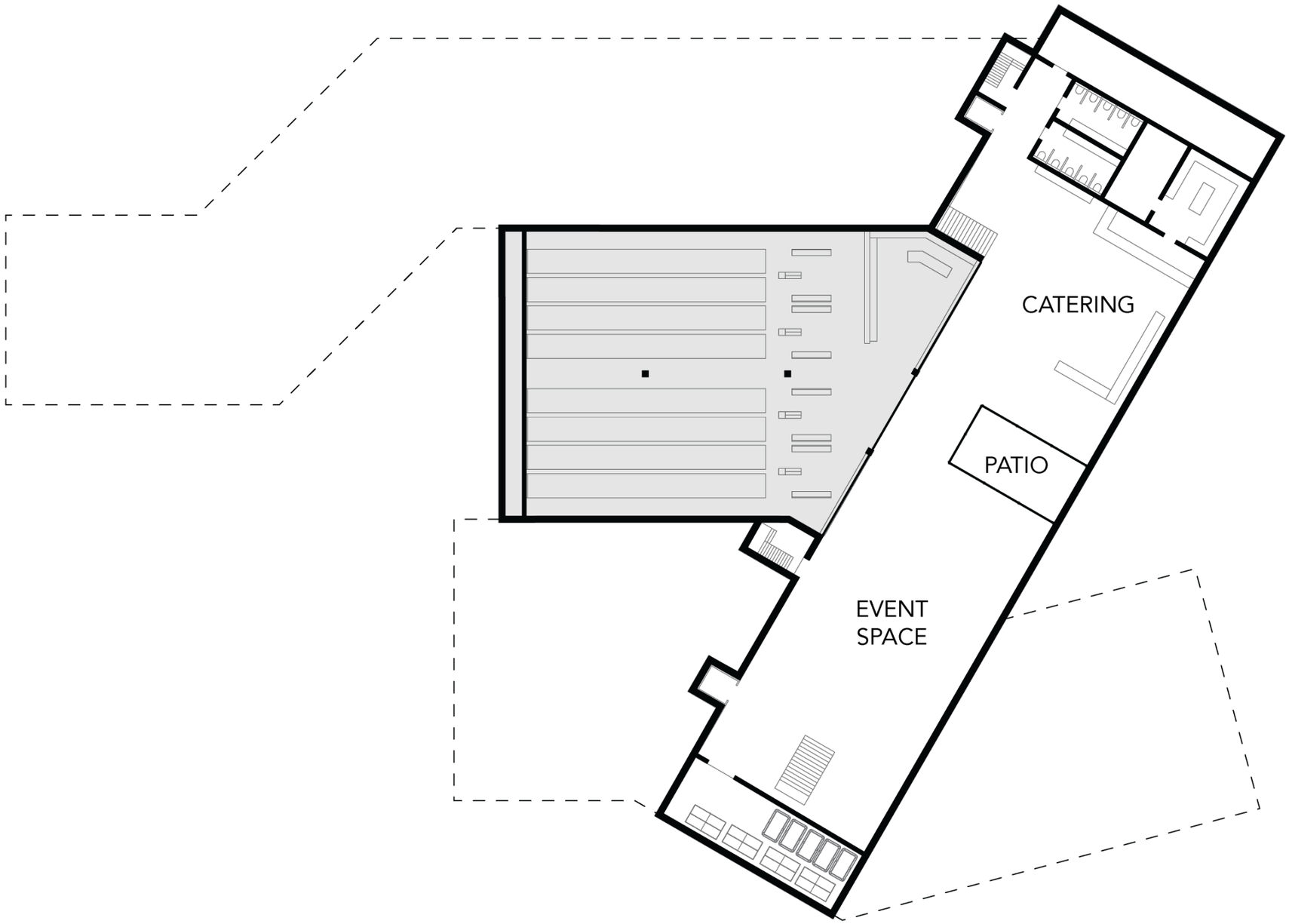
FACILITATING A POTENTIAL CONNECTION

UNDERGROUND

VARIABLE PROGRAM: GAMES



VARIABLE PROGRAM: EVENT

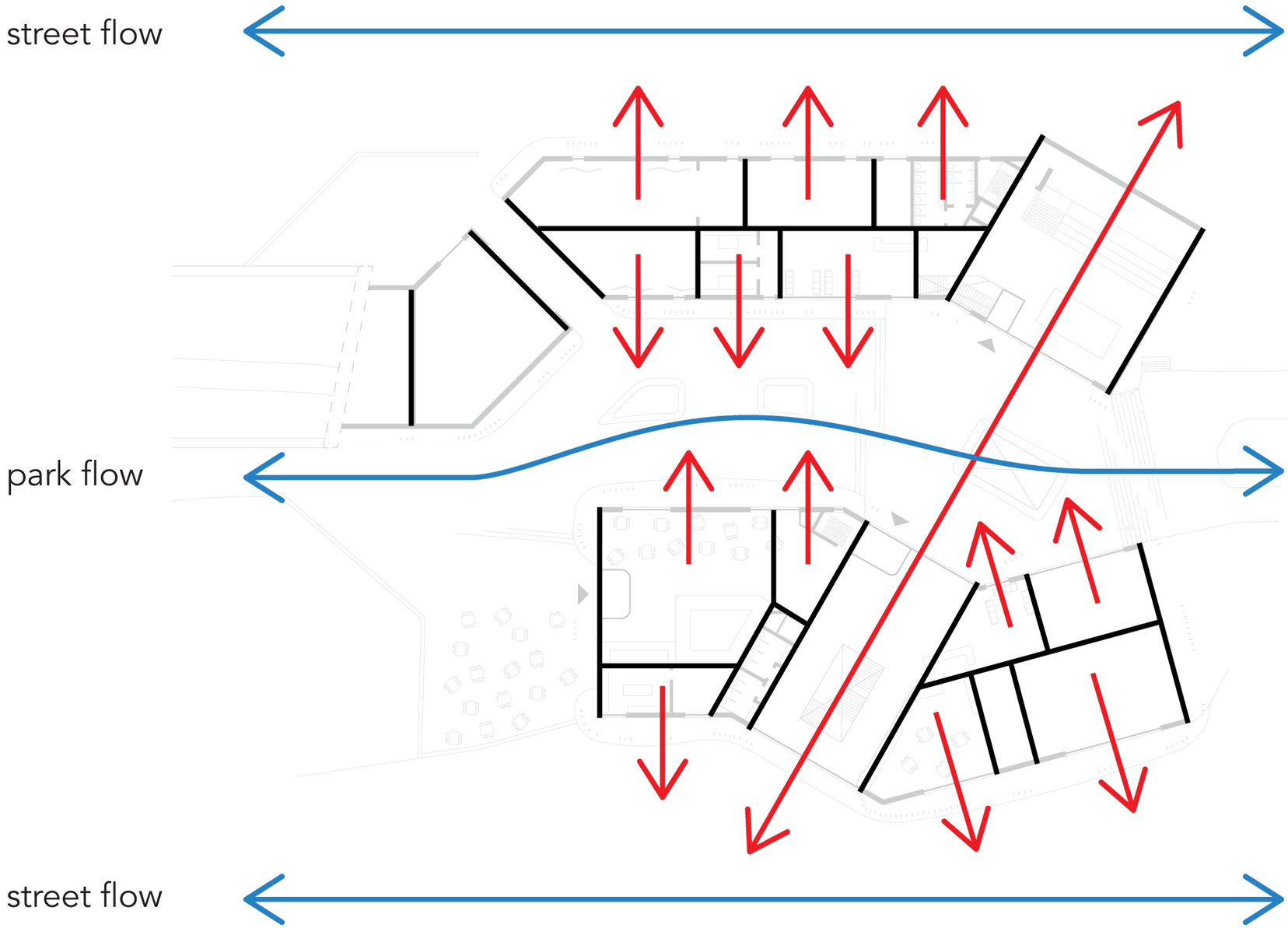


VARIABLE PROGRAM: EXPOSITION

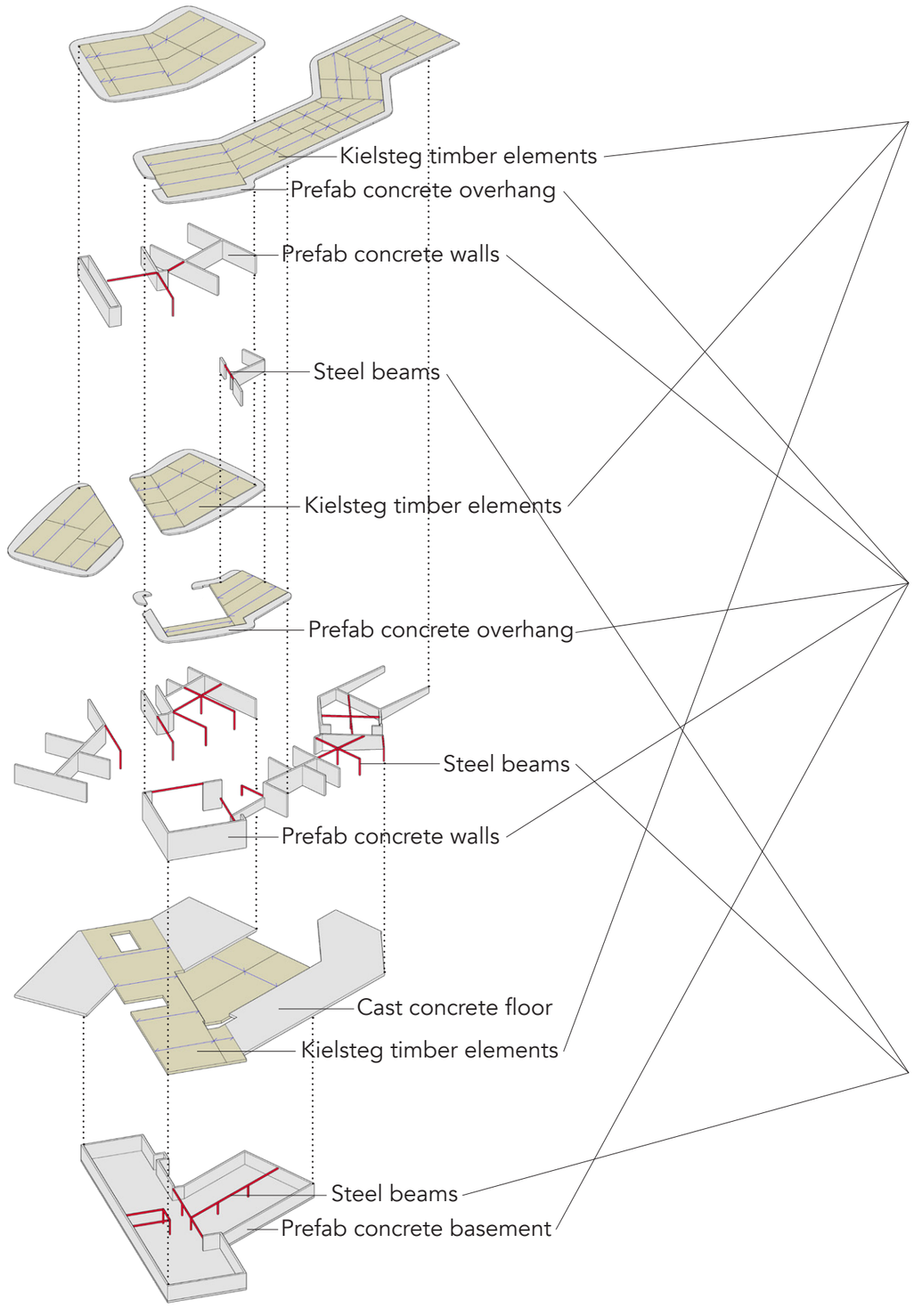
VARIABLE PROGRAM: PERFORMANCE

BUILDING TECHNOLOGY

STRUCTURE CONCEPT

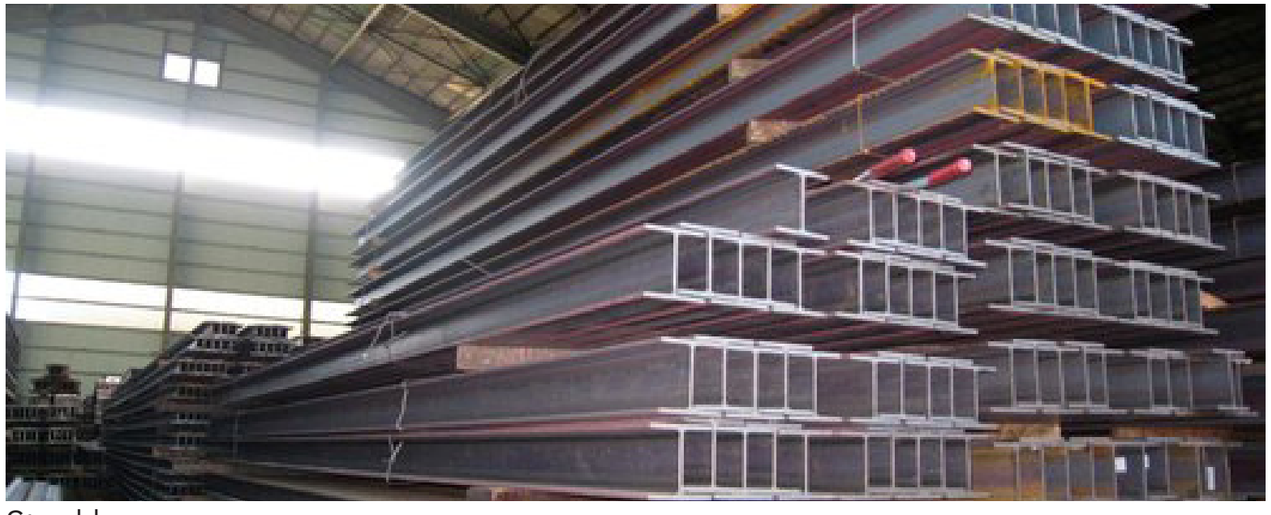


STRUCTURE



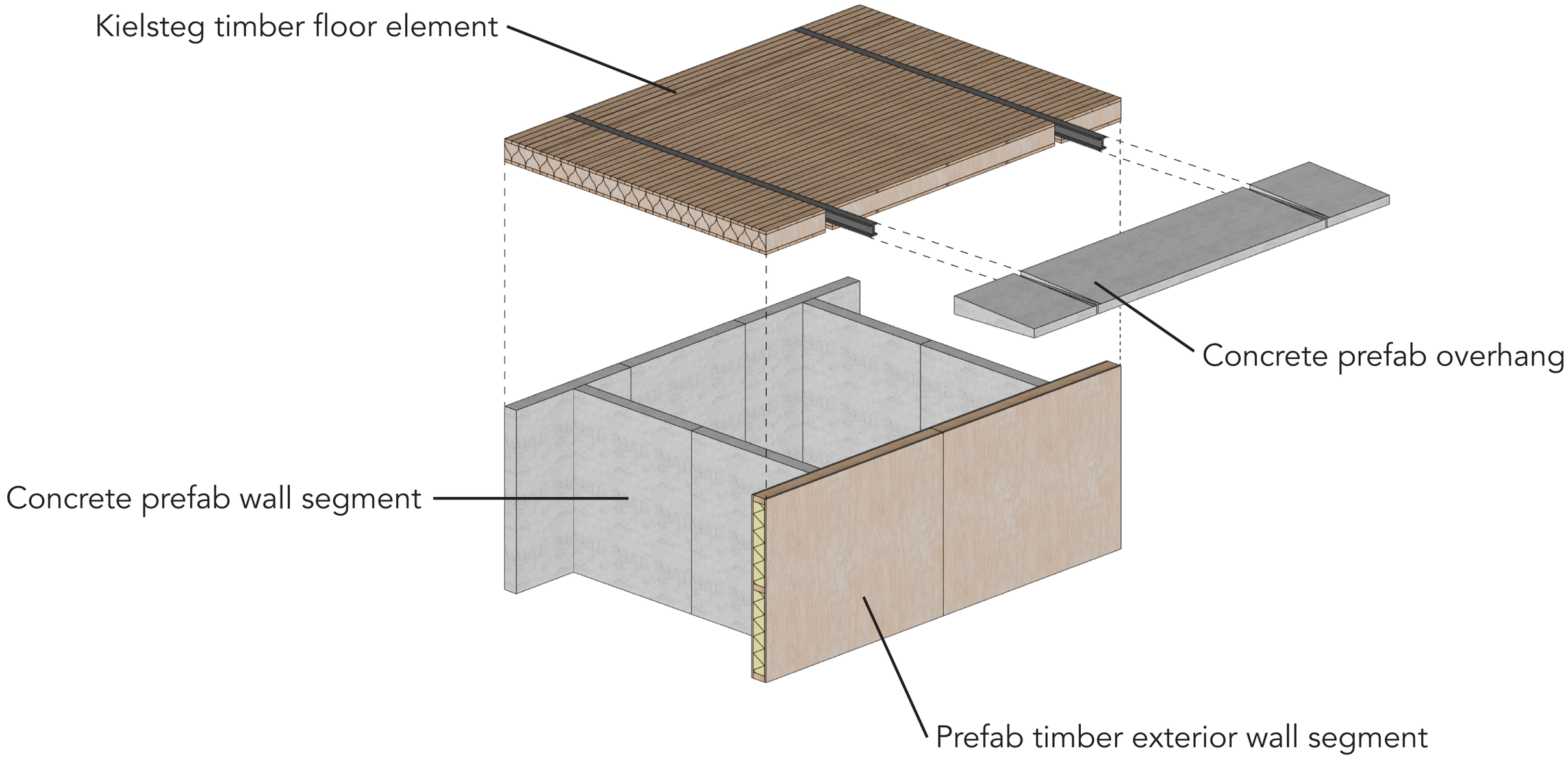
Kielsteg timber elements

Prefab concrete elements

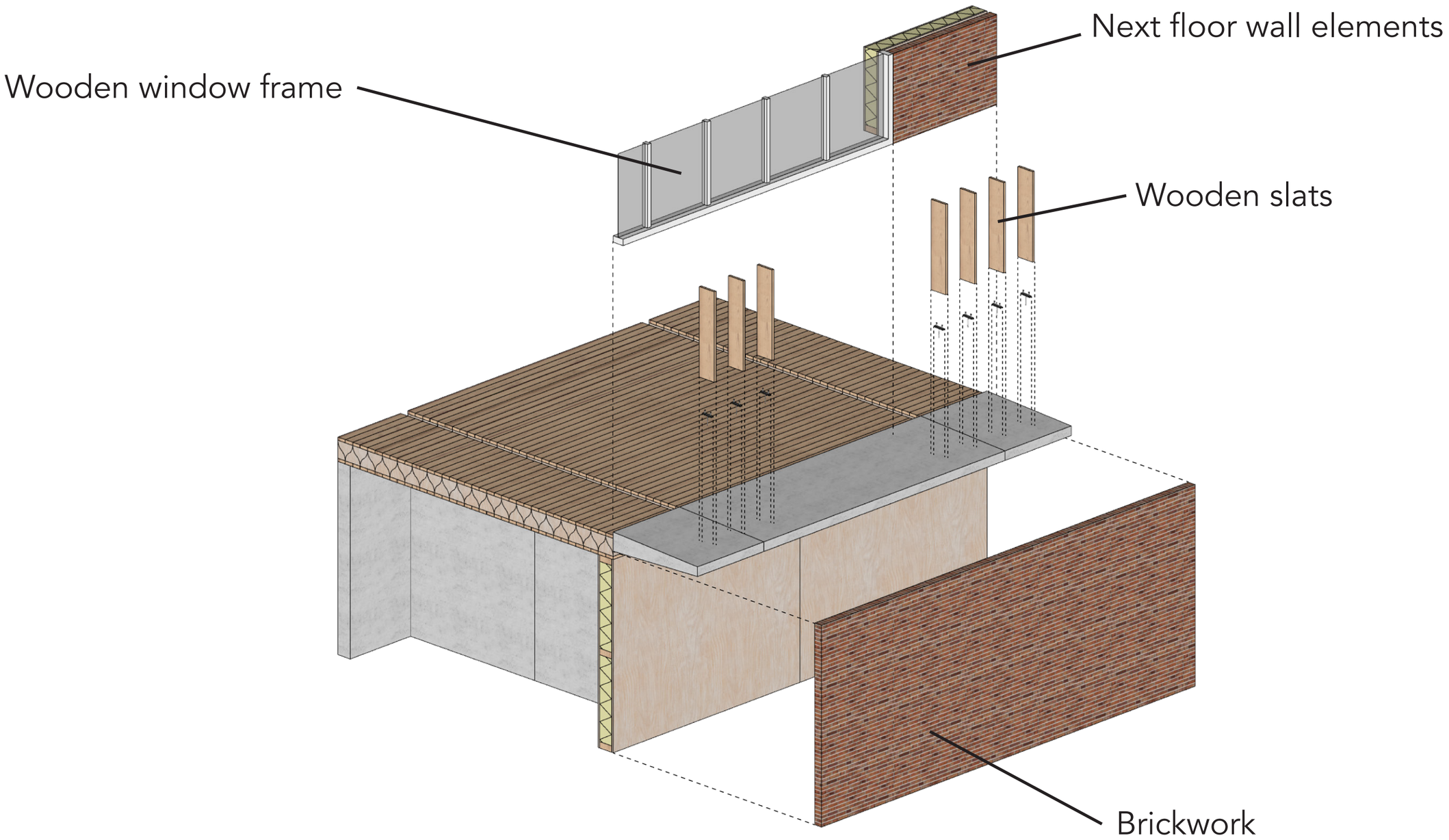


Steel beams

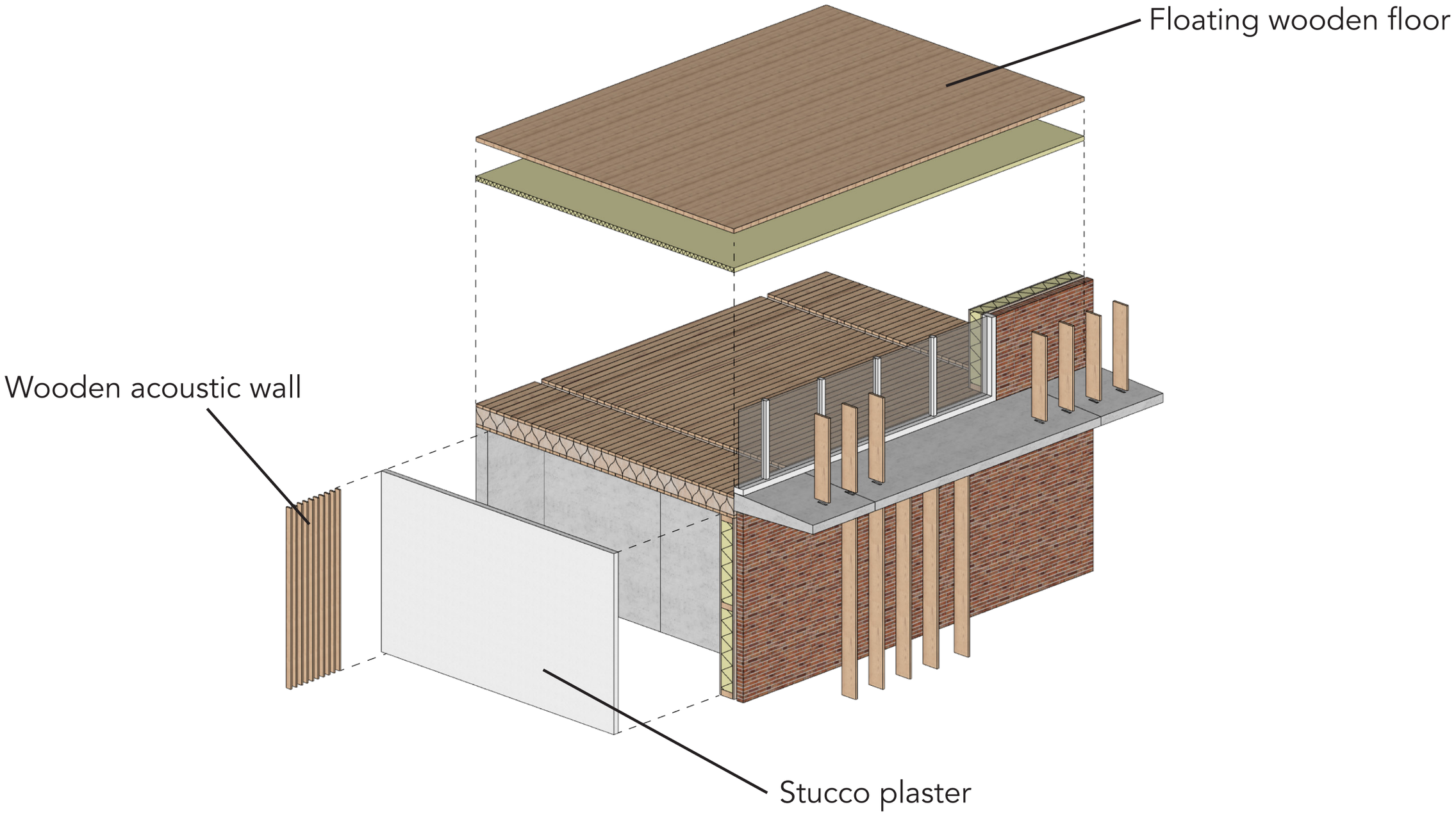
ASSEMBLY PROCESS



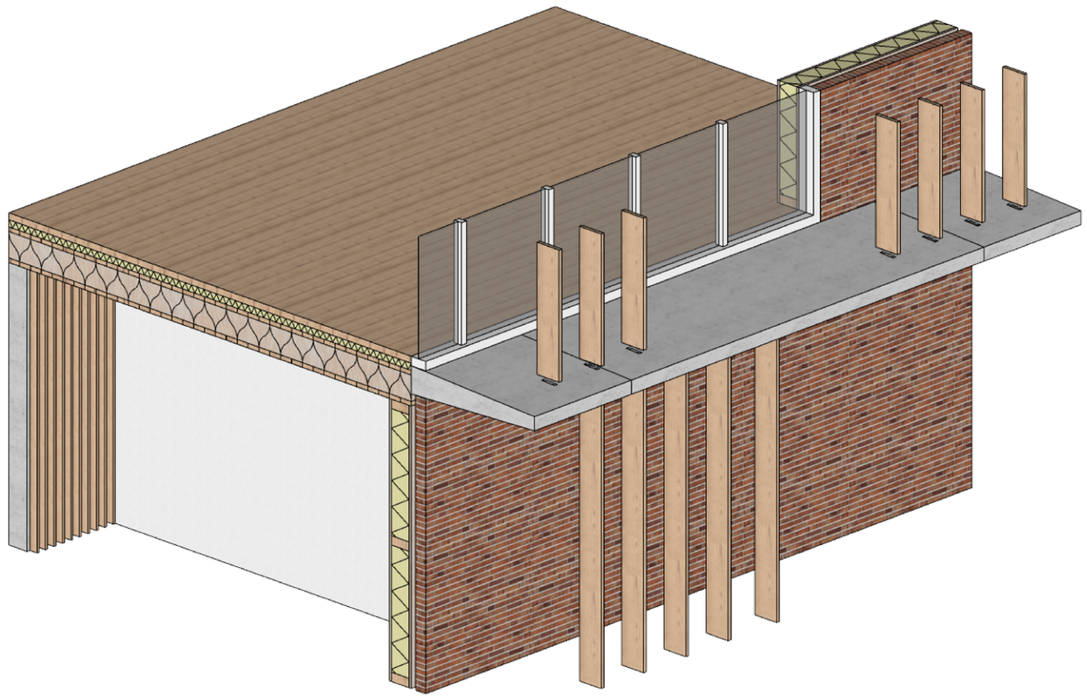
ASSEMBLY PROCESS



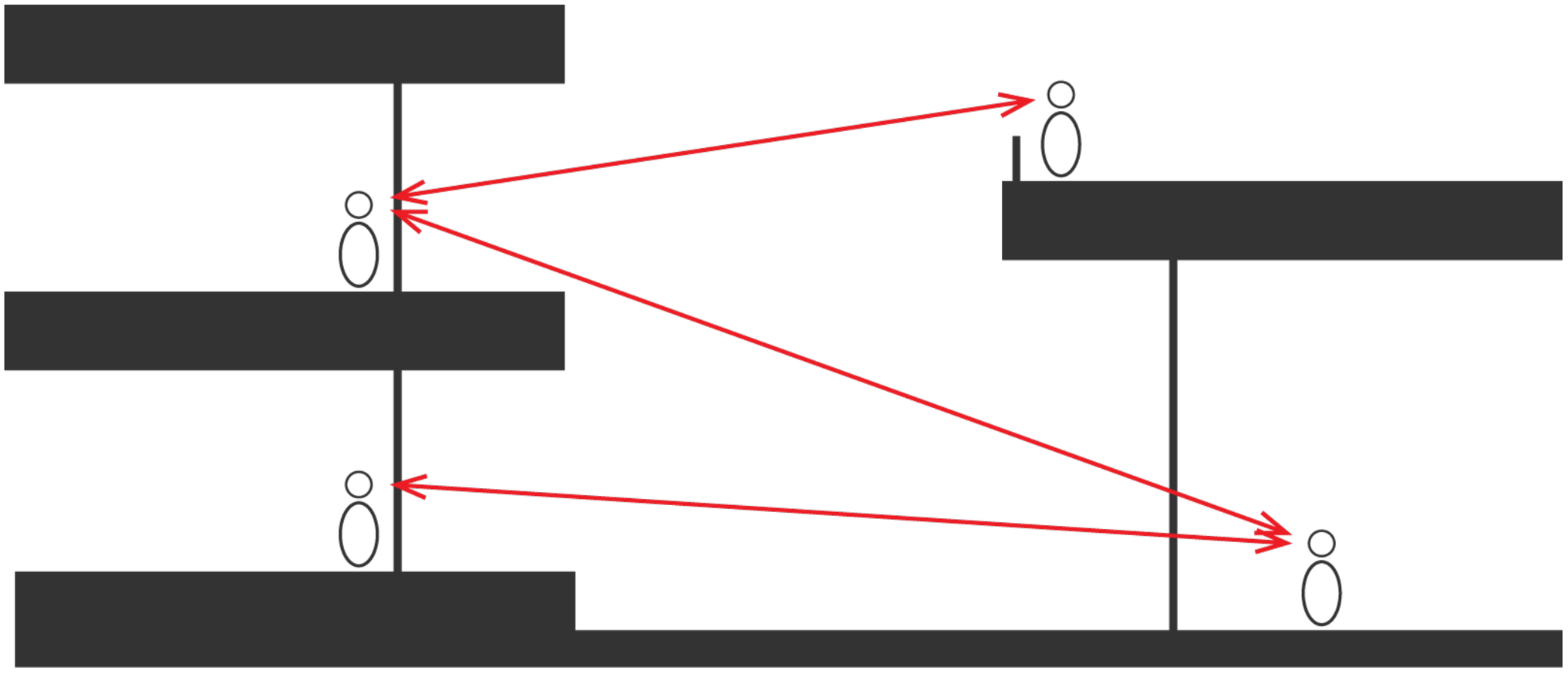
ASSEMBLY PROCESS



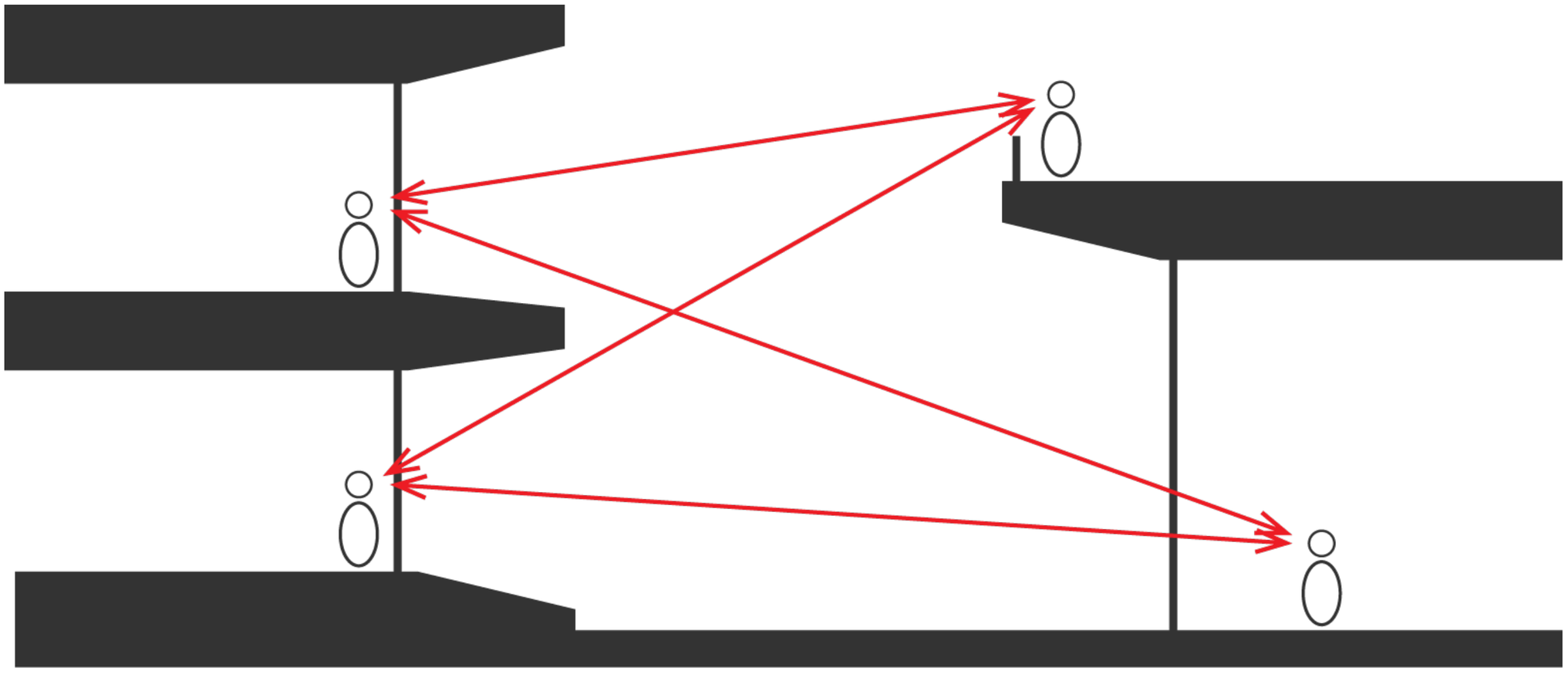
ASSEMBLY PROCESS



SLOPE IN THE OVERHANG

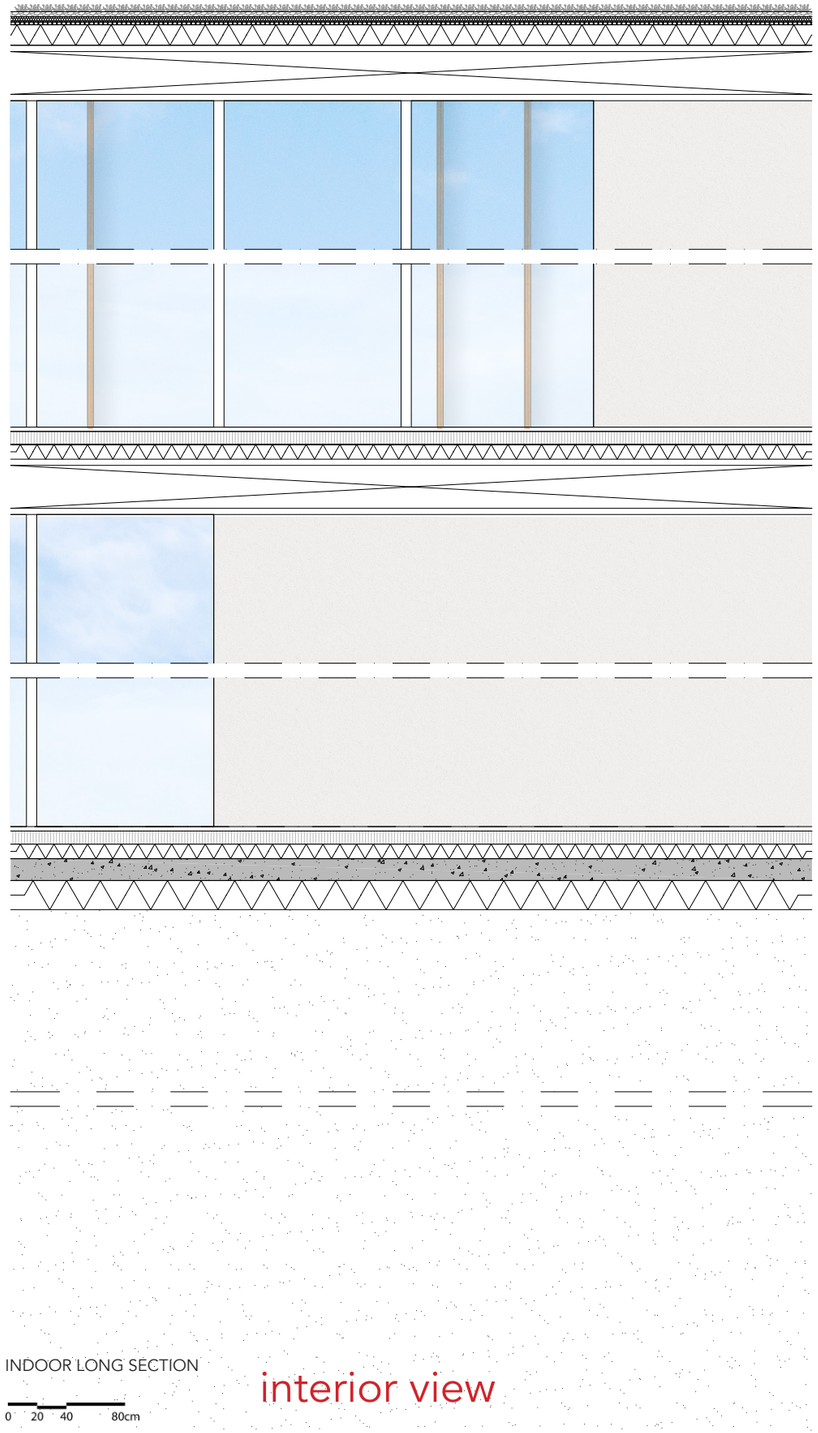


SLOPE IN THE OVERHANG



SLOPE IN THE OVERHANG

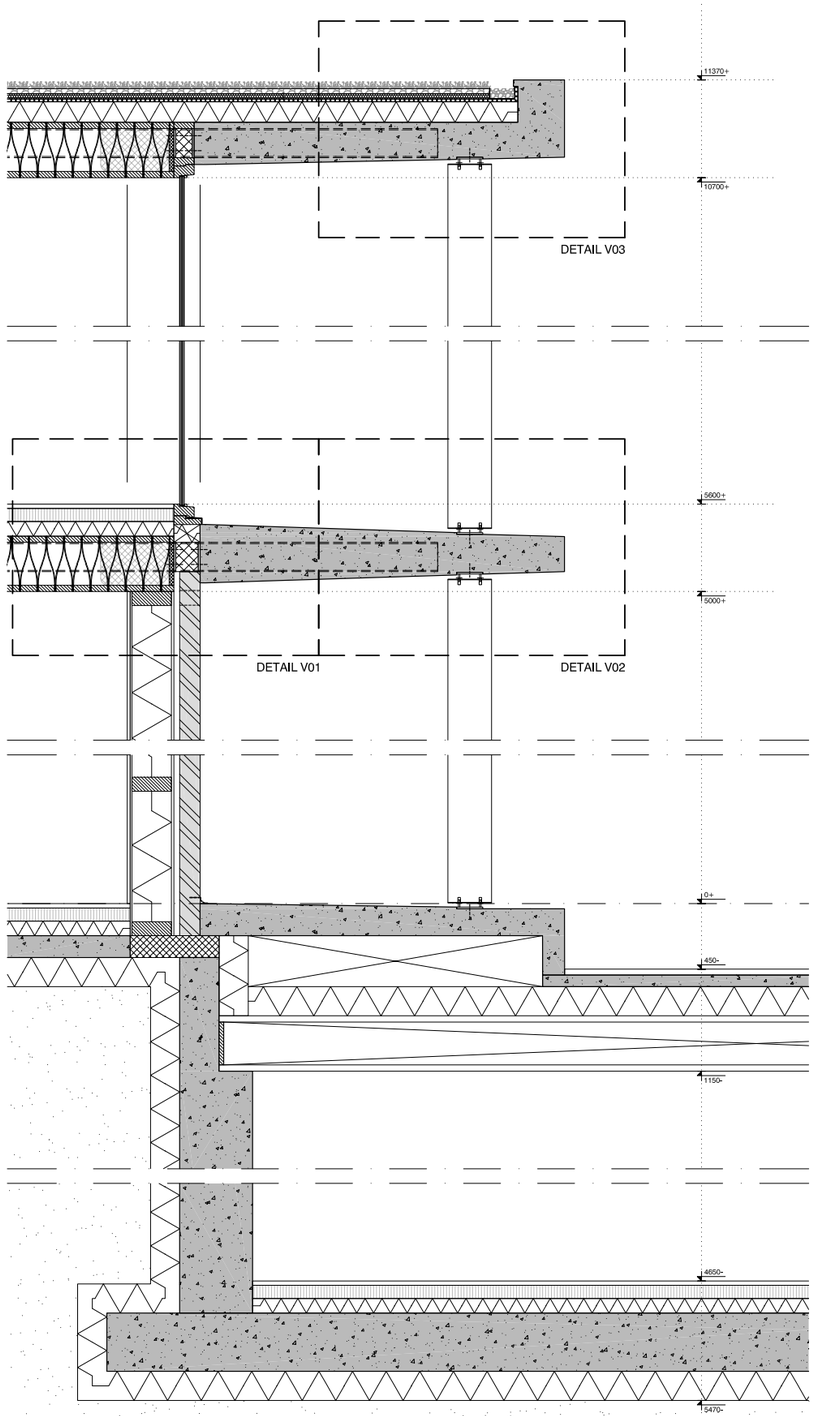
CONNECTING TO THE EXTERIOR



INDOOR LONG SECTION

0 20 40 80cm

interior view

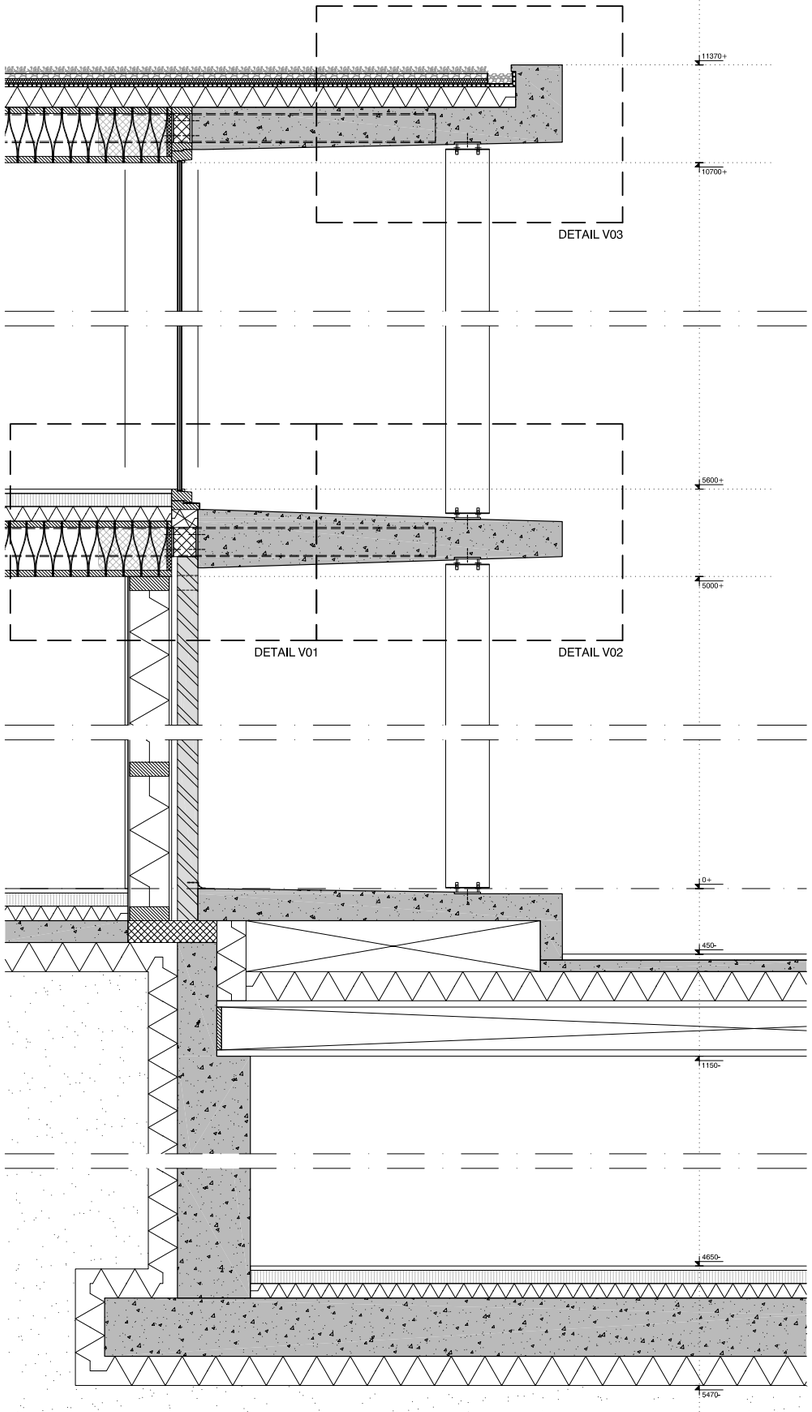


CROSS SECTION

0 20 40 80cm

cross section

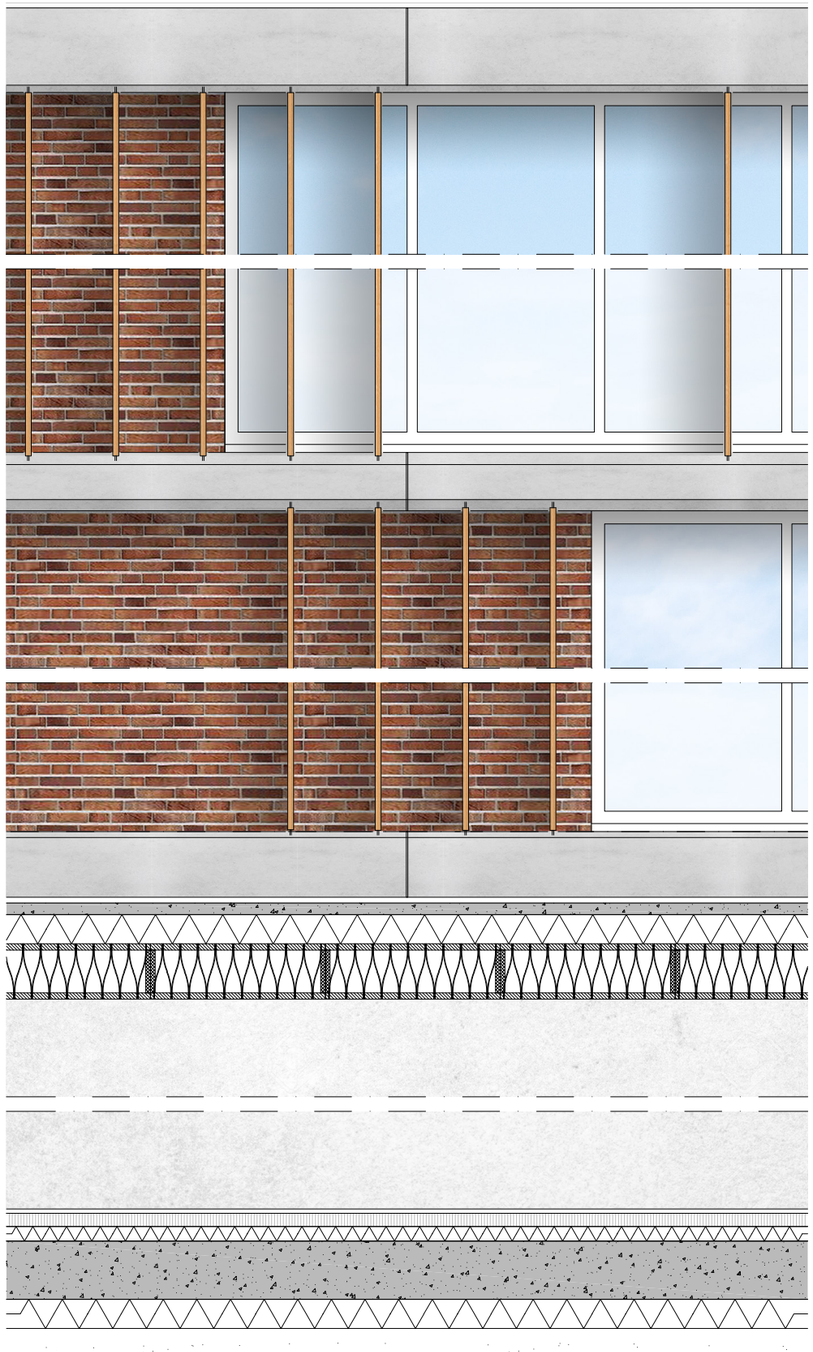
FRAMING THE INTERIOR ACTIVITY



CROSS SECTION

0 20 40 80cm

cross section

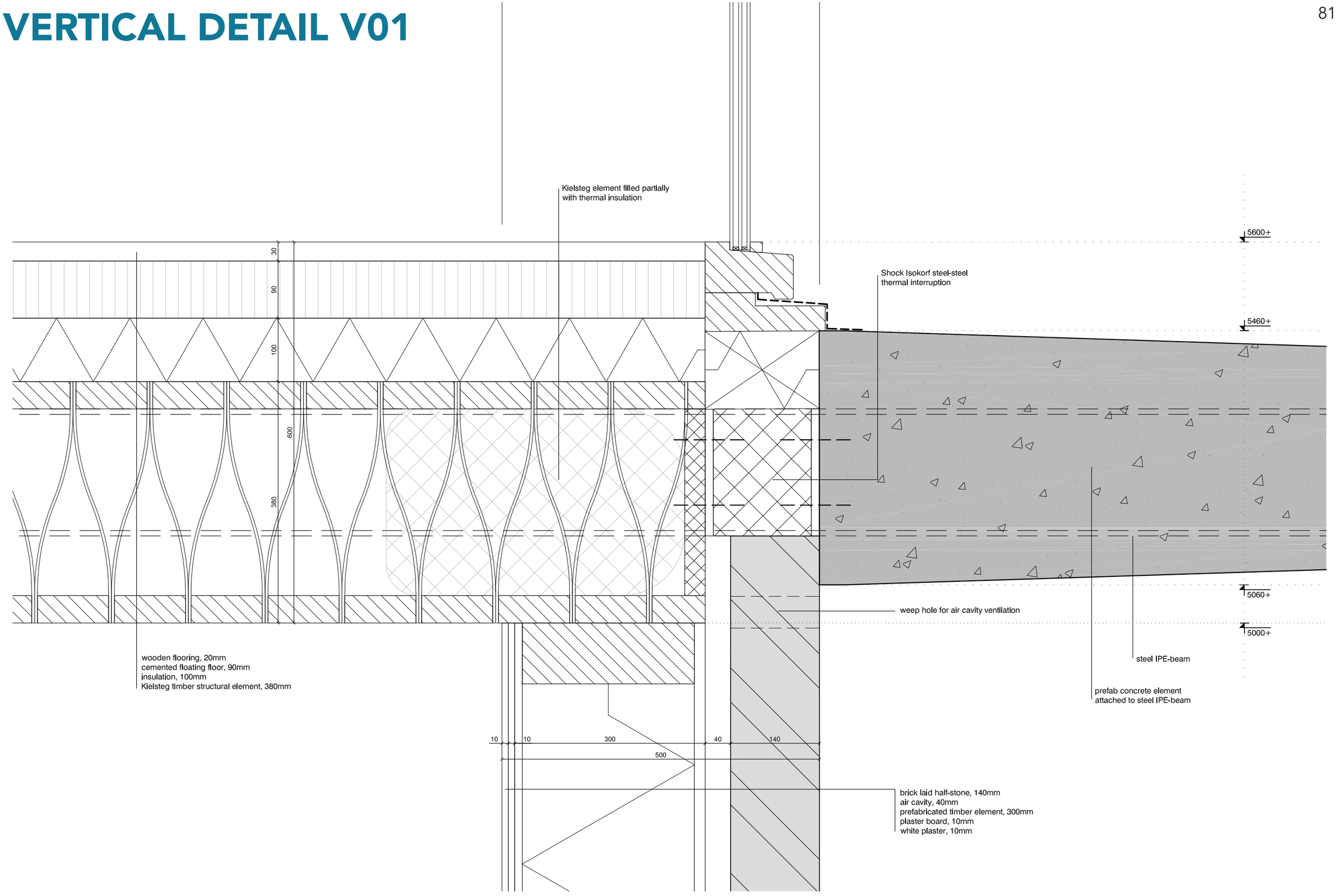


FACADE ELEVATION

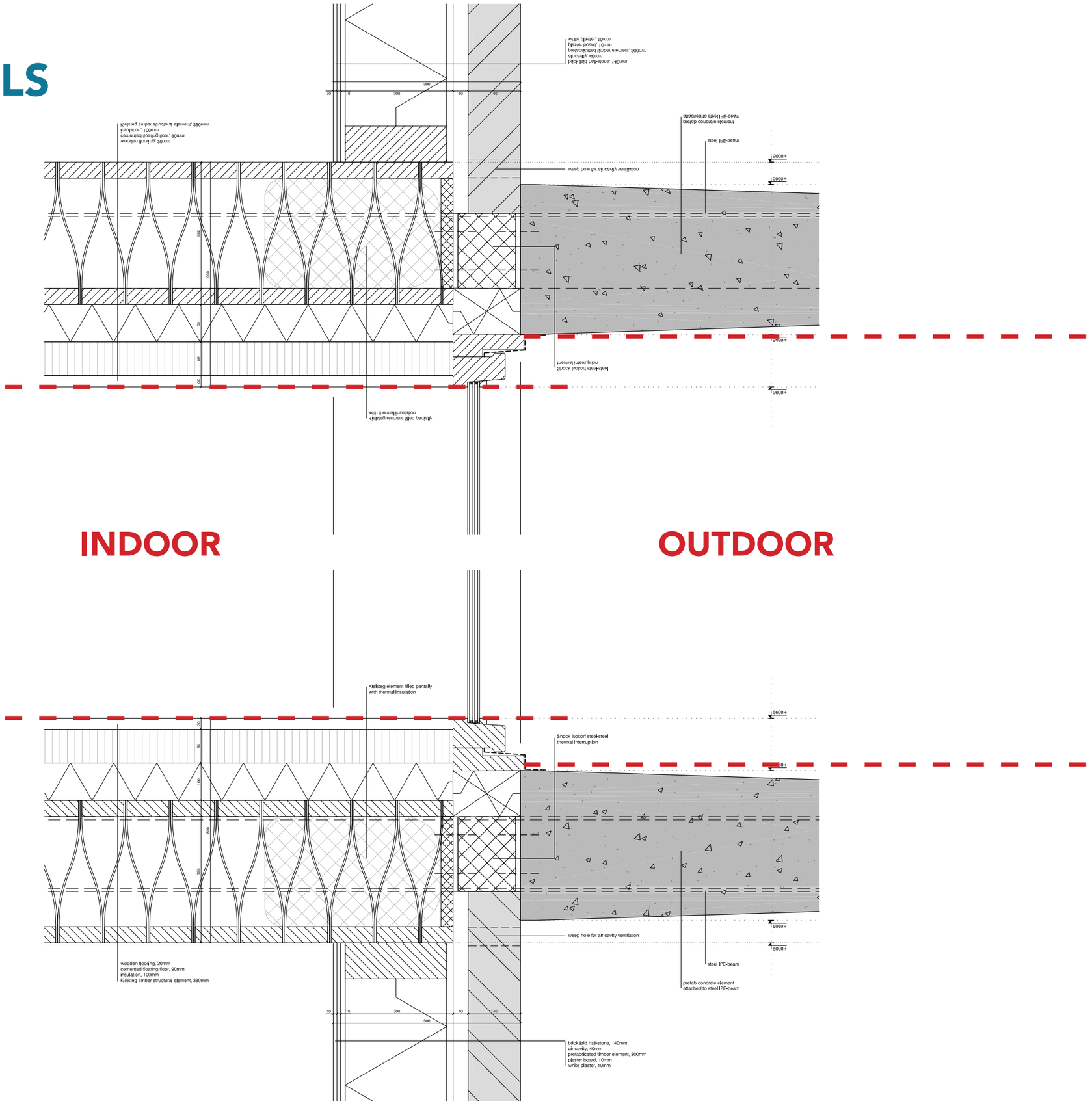
0 20 40 80cm

exterior view

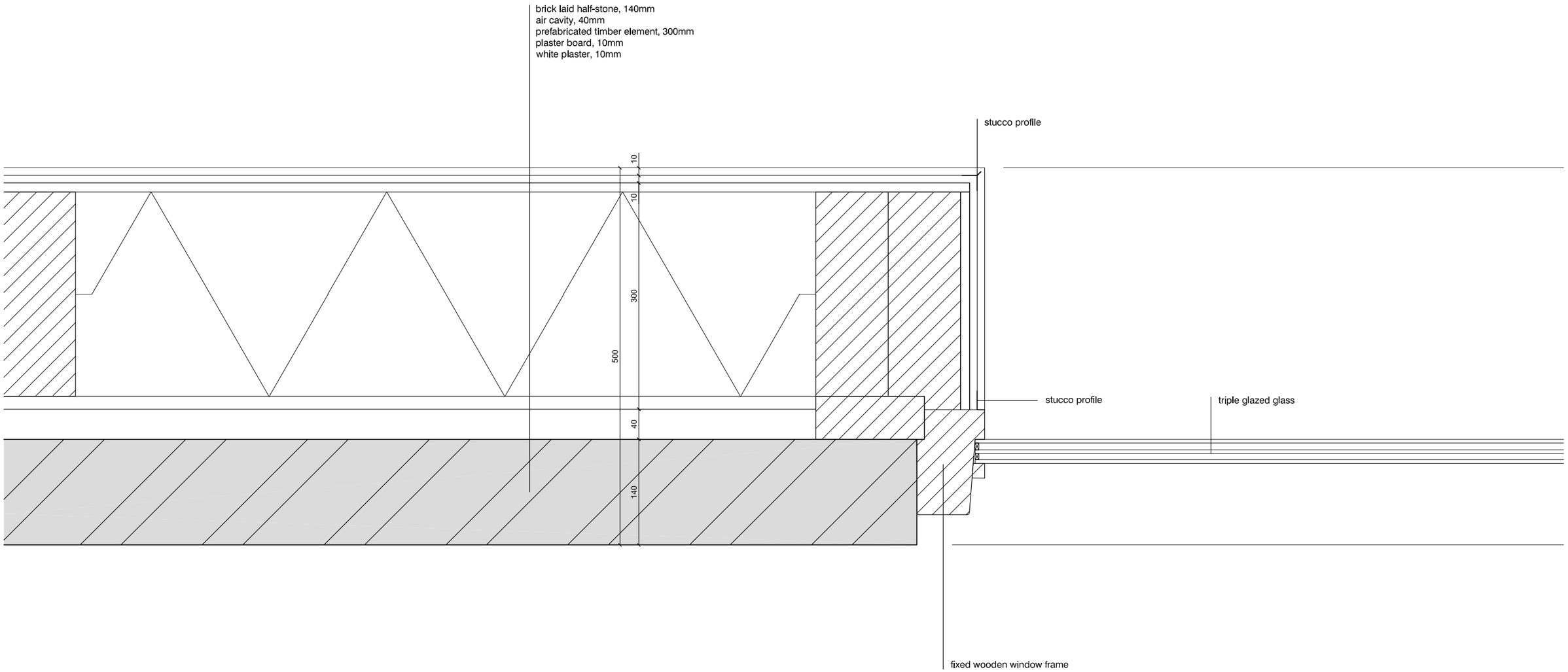
VERTICAL DETAIL V01



VERTICAL DETAILS

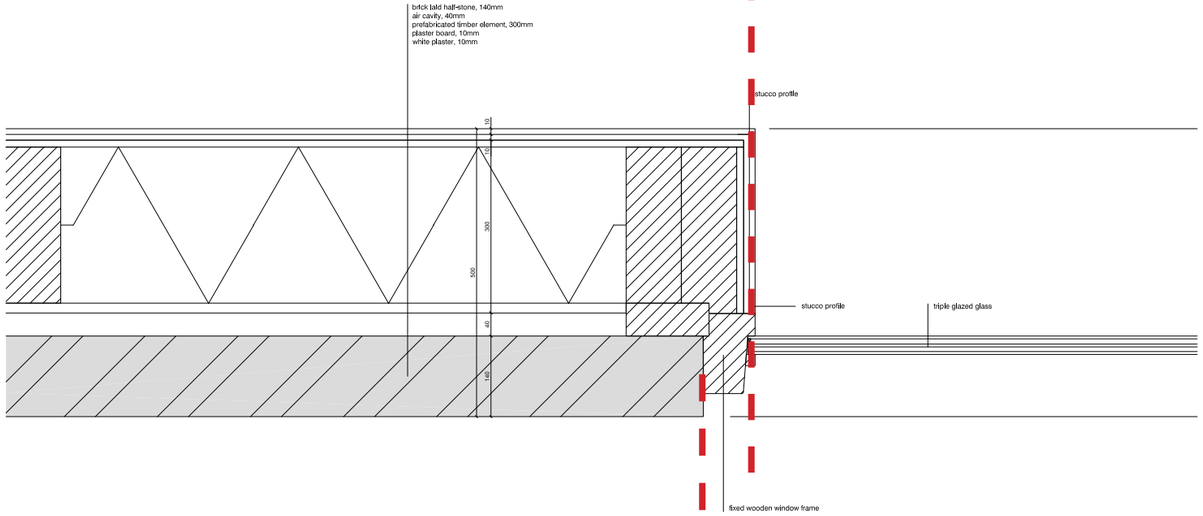


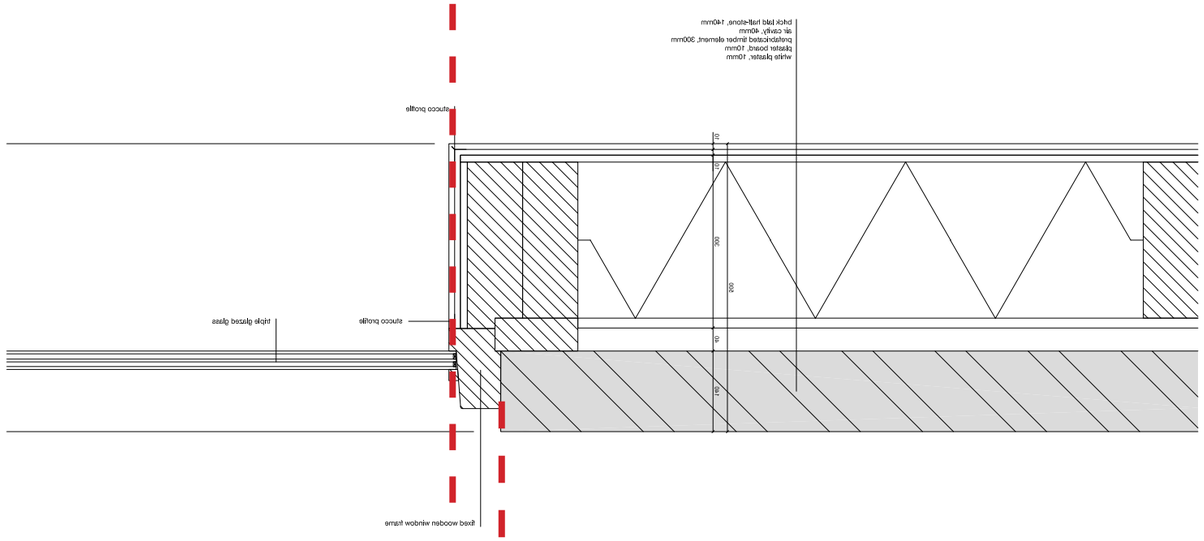
HORIZONTAL DETAIL H01



VERTICAL DETAILS

INDOOR





OUTDOOR

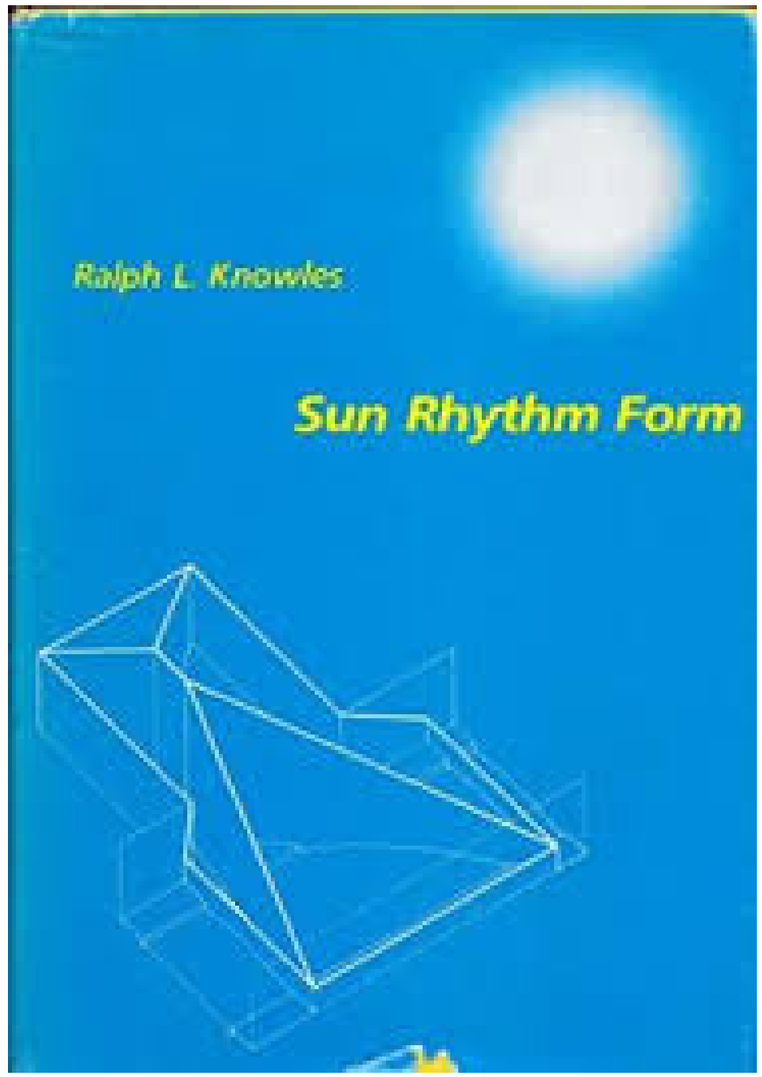
CLIMATE CONCEPT

The Trias Energetica concept:
the most sustainable energy is saved energy.

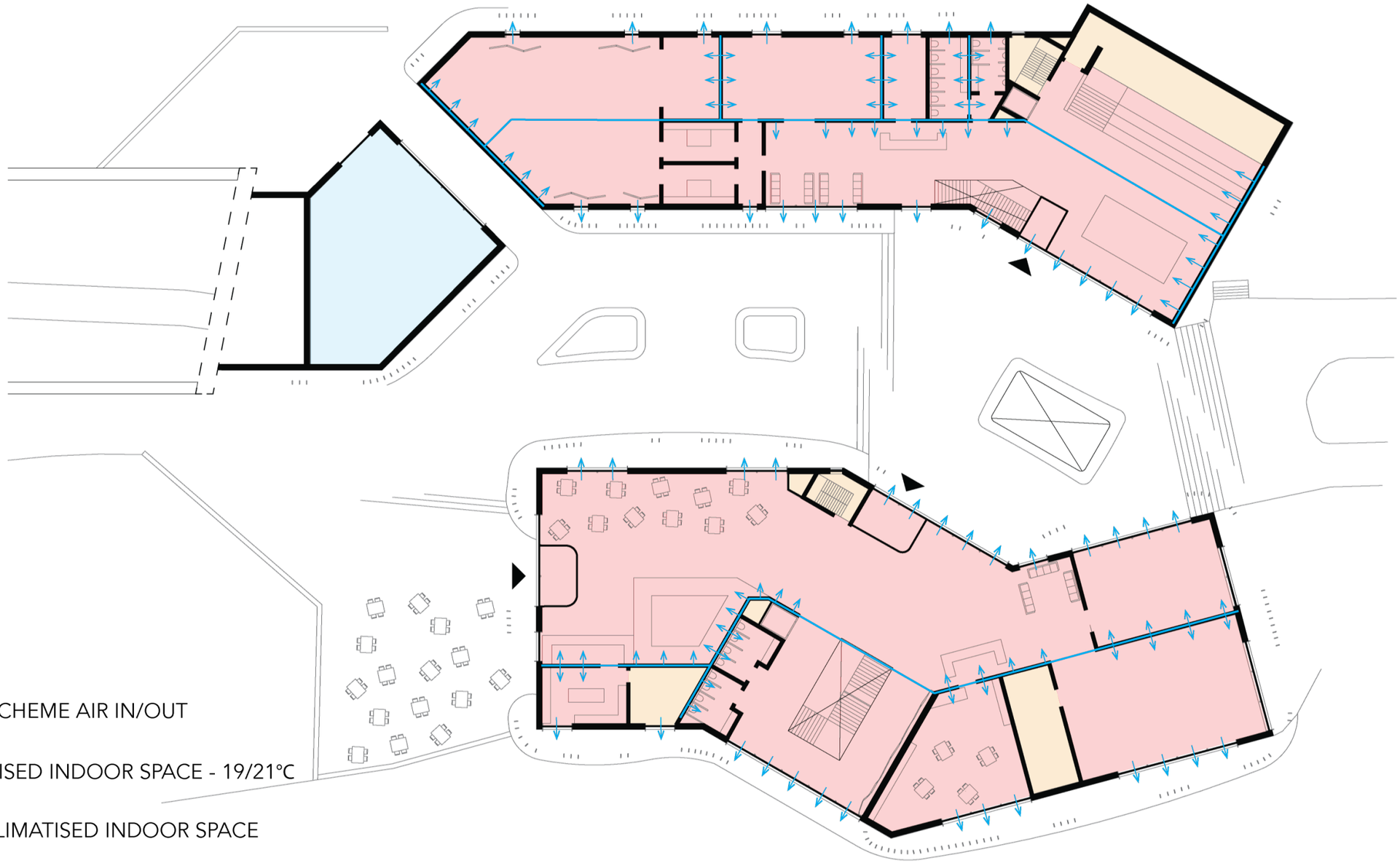
1 Reduce the demand for energy by avoiding waste and implementing energy-saving measures.

2 Use sustainable sources of energy instead of finite fossils fuels.

3 Produce- and use fossilenergy as efficiently possible.



CLIMATE ZONES



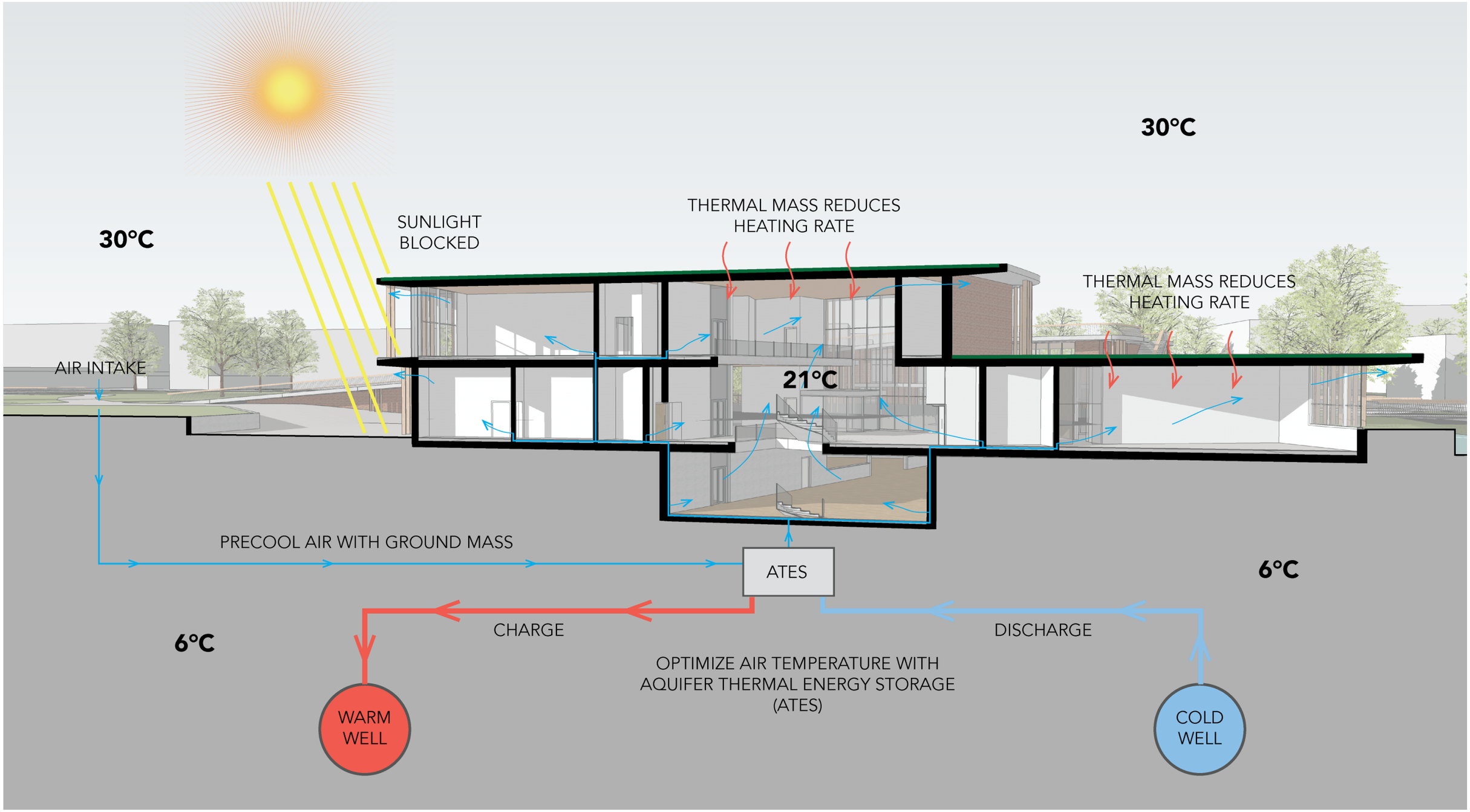
HVAC SCHEME AIR IN/OUT

CLIMATISED INDOOR SPACE - 19/21°C

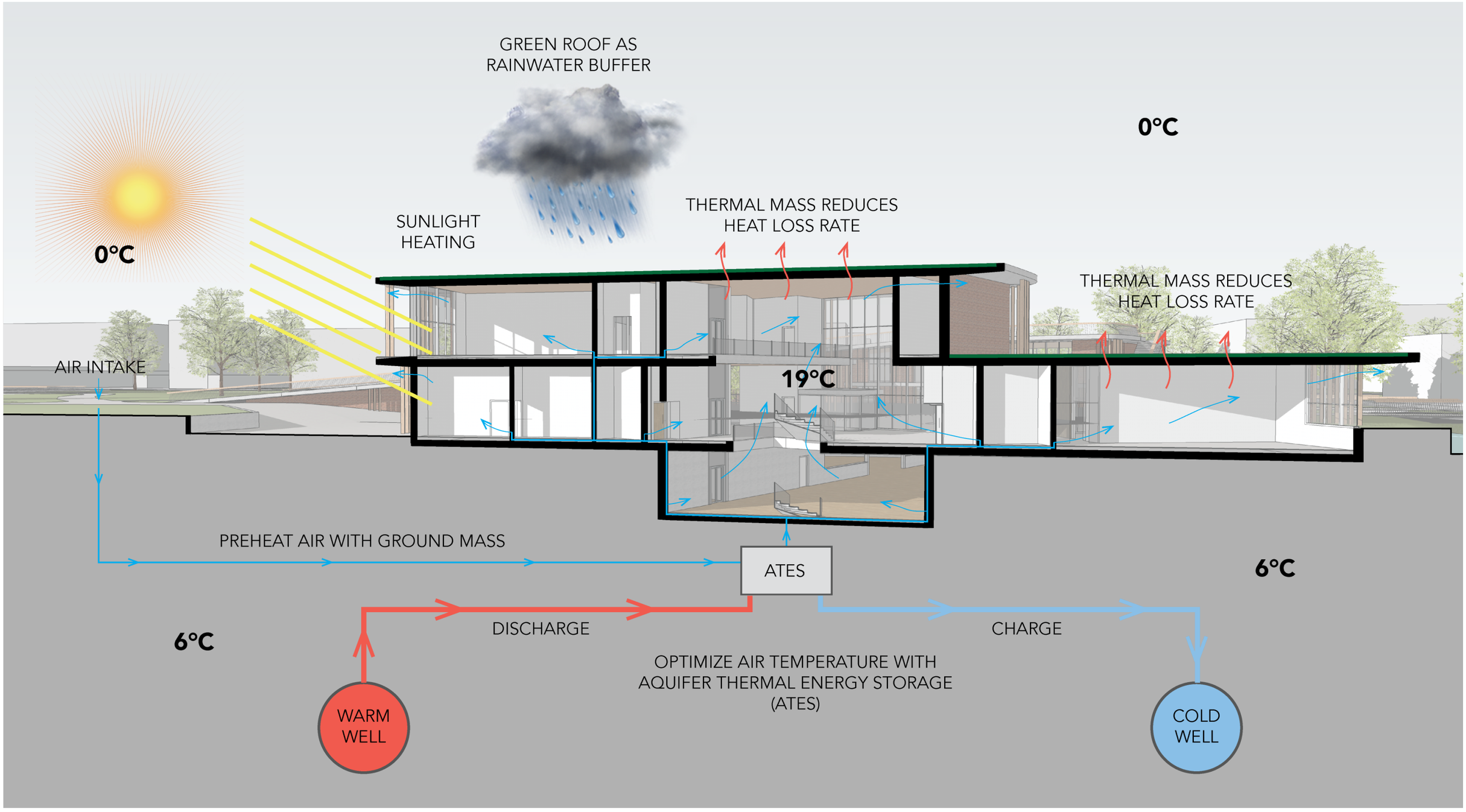
NON CLIMATISED INDOOR SPACE

NON CLIMATISED OUTDOOR SPACE

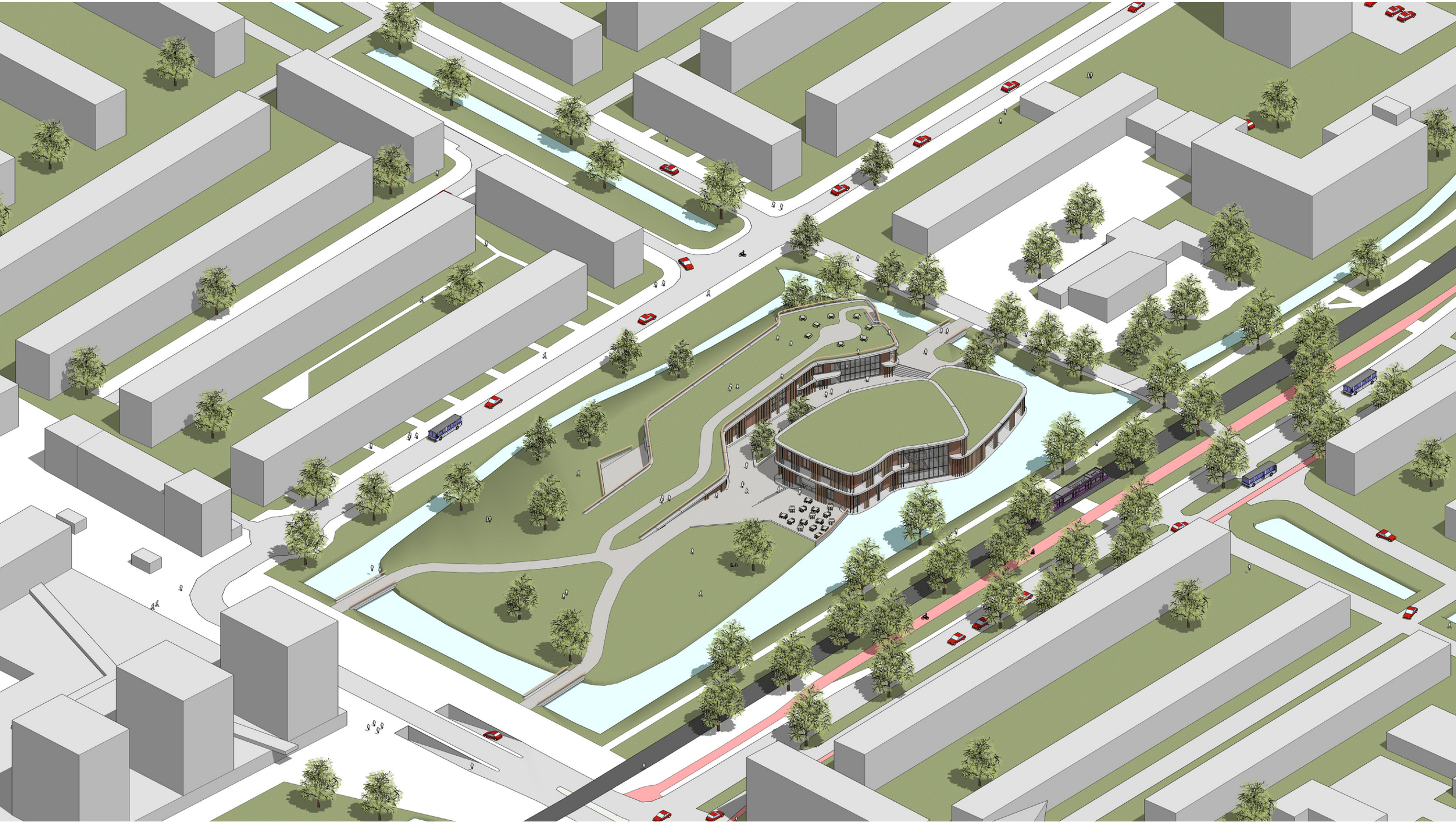
CLIMATE CONCEPT: SUMMER



CLIMATE CONCEPT: WINTER



POSITIONING



POSITIONING

POSITIONING


THANK YOU