



THE 'THIRD PLACE' IN-BETWEEN

A STUDY OF HOW DESIGN OF TRANSITIONAL SPACES IN THE PUBLIC LIBRARY PROMOTES SOCIAL INTERACTIONS

FLO SCHREINEMACHERS

1.

Introduction

2.

Research

3.

From research to
design

4.

Design

5.

Conclusion

FIRST PLACE



HOME

SECOND PLACE

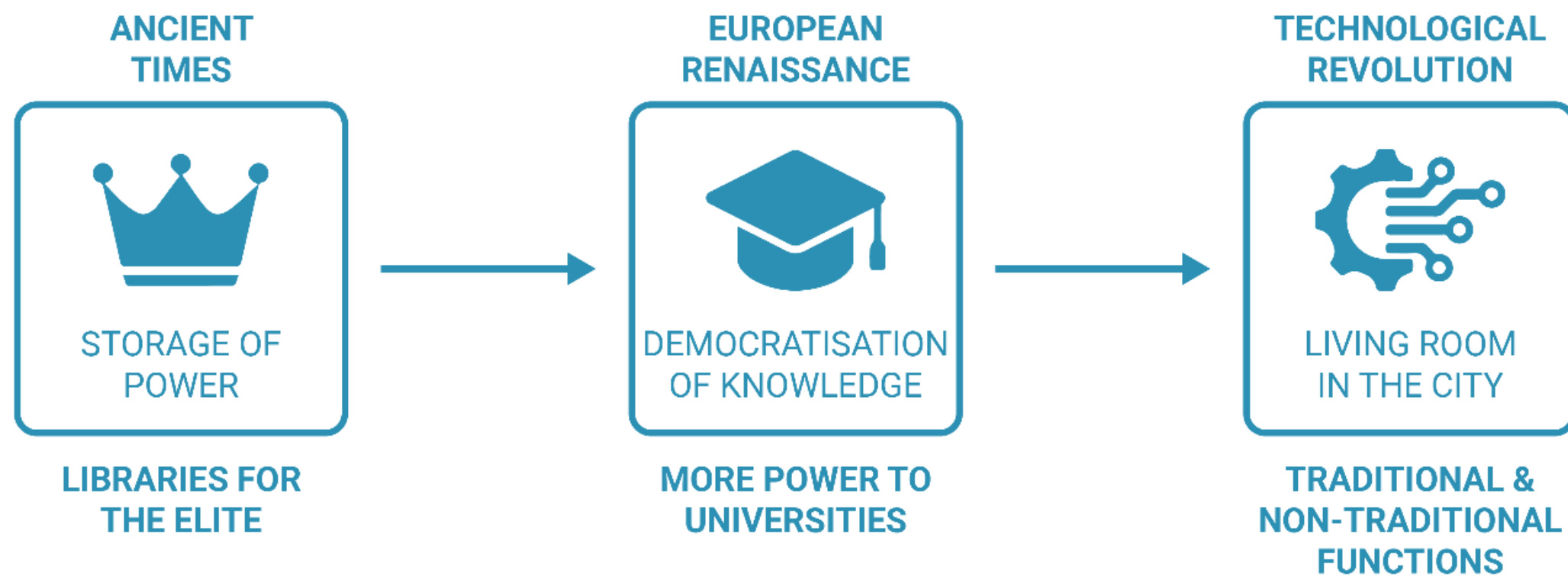


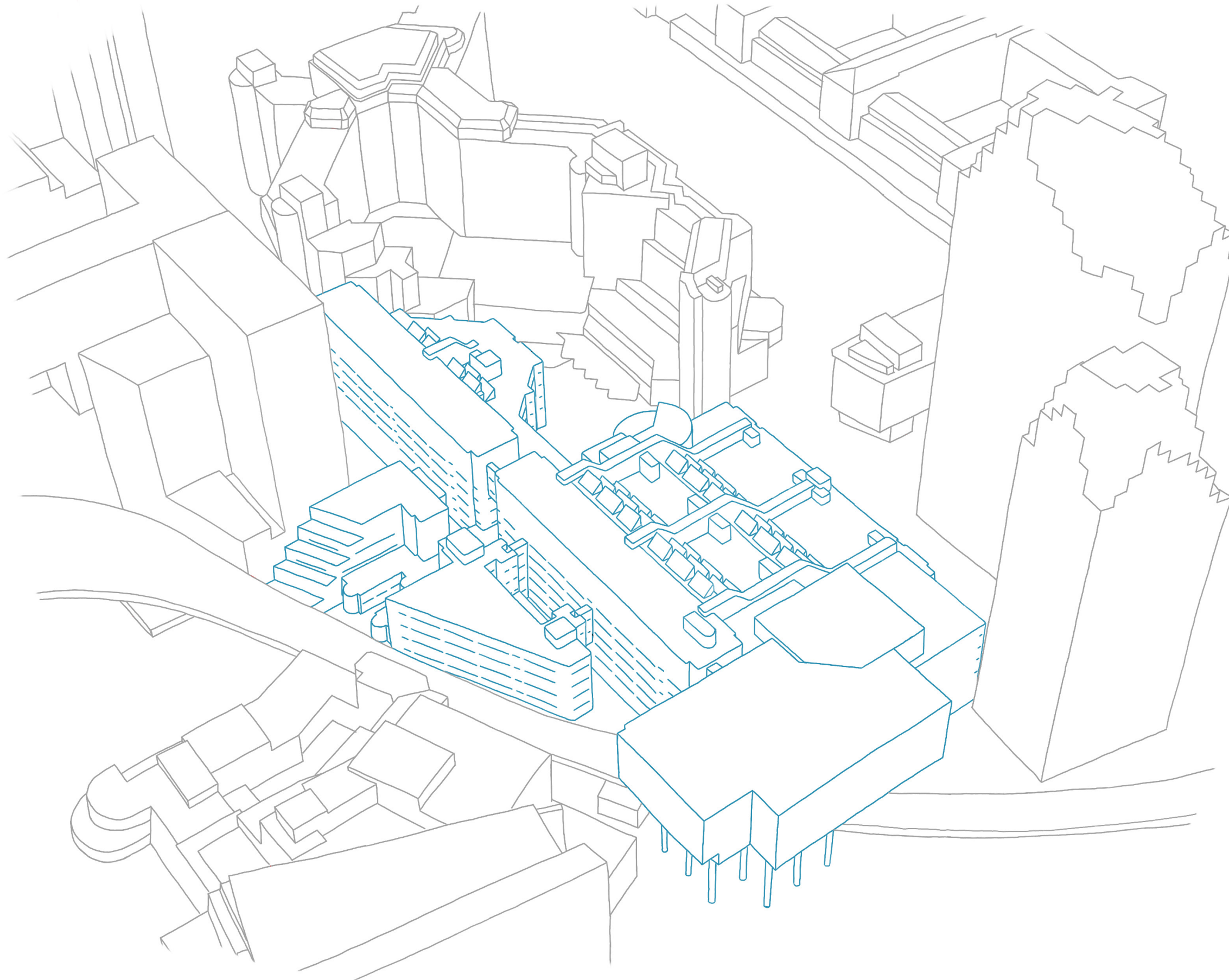
WORK

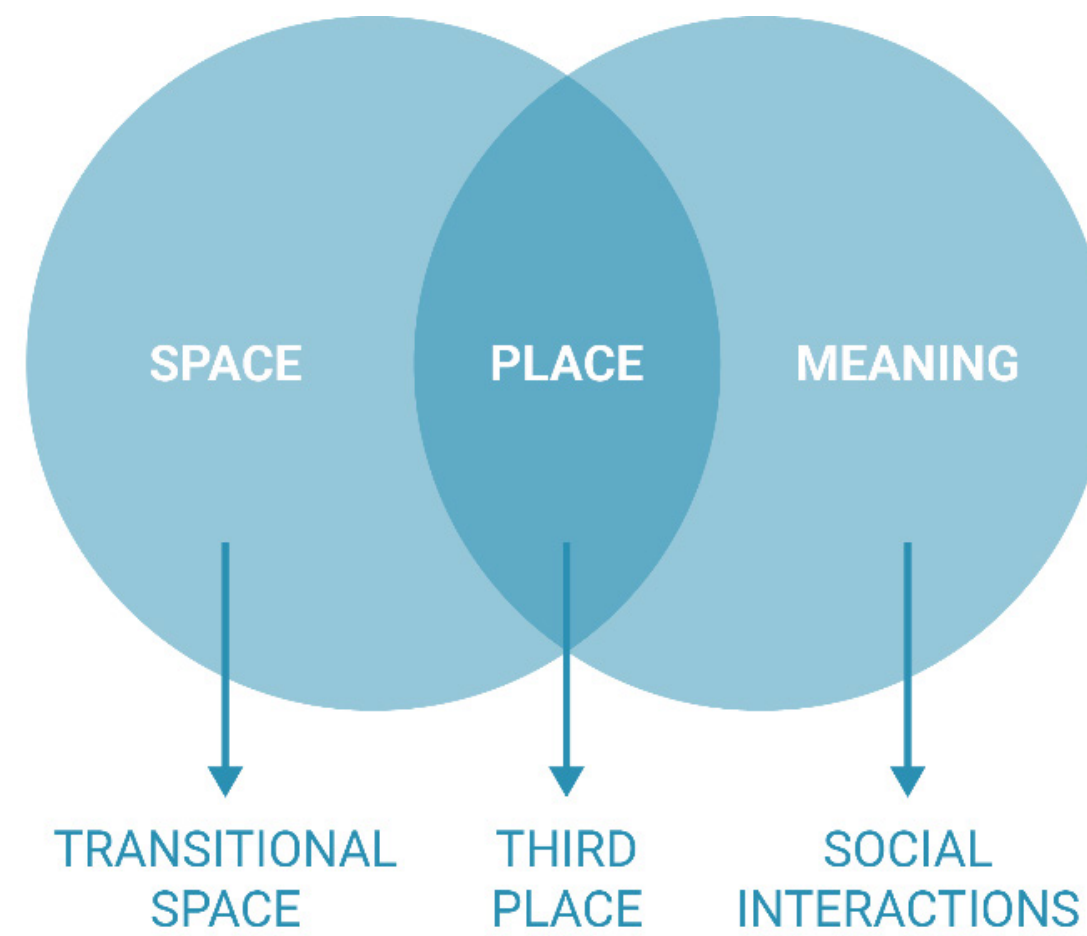
THIRD PLACE



COMMUNITY





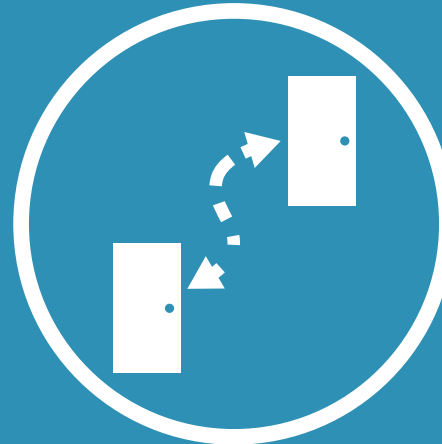


How can stimulation of **social interactions**, and thus, the idea of **the library as a third place**, be improved in the KB through the design of its **transitional spaces**?

1. What impact does the KB's **URBAN CONTEXT** have on the possibility for social interactions?



2. What impact do the KB's **INTERIOR TRANSITIONAL SPACES** have on the possibility for social interactions?



3. What are the **DESIGN CRITERIA** for enhancing social interactions in transitional spaces?



How can stimulation of **social interactions**, and thus, the idea of **the library as a third place**, be improved in the KB through the design of its **transitional spaces**?

1. What impact does the KB's **URBAN CONTEXT** have on the possibility for social interactions?



LITERATURE STUDY



RESEARCH AT KB

2. What impact do the KB's **INTERIOR TRANSITIONAL SPACES** have on the possibility for social interactions?



LITERATURE STUDY



RESEARCH AT KB

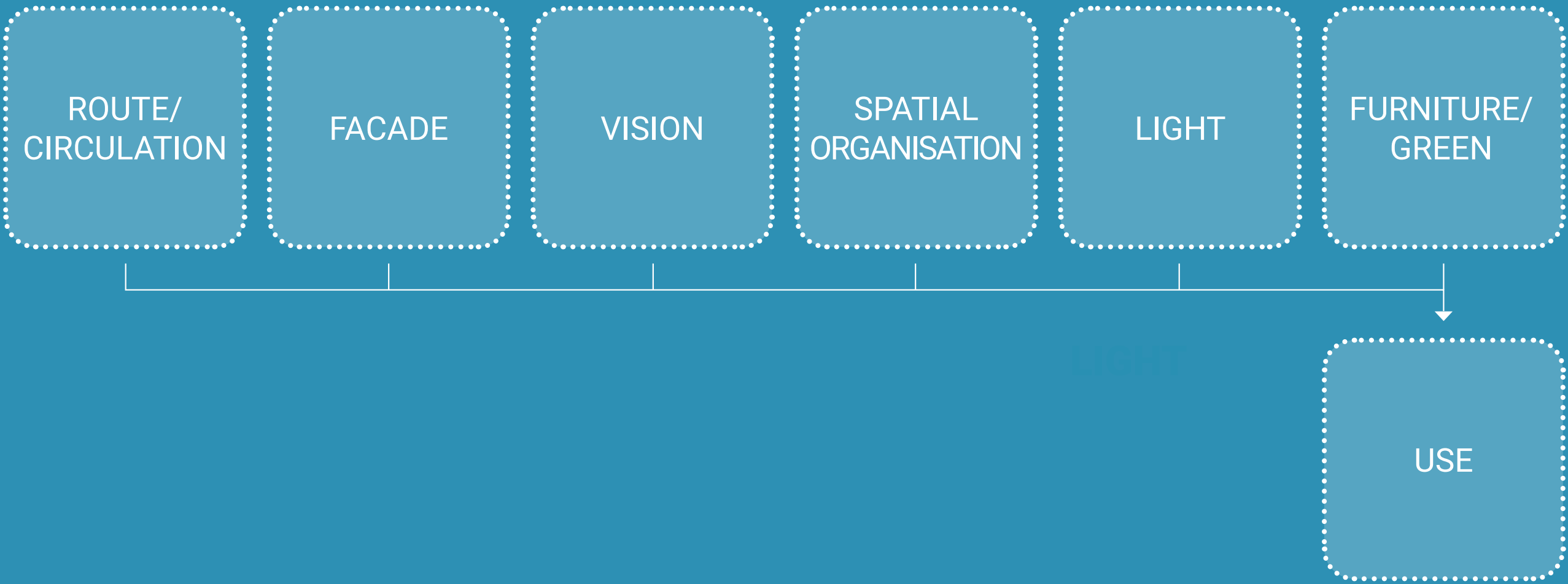
3. What are the **DESIGN CRITERIA** for enhancing social interactions in transitional spaces?

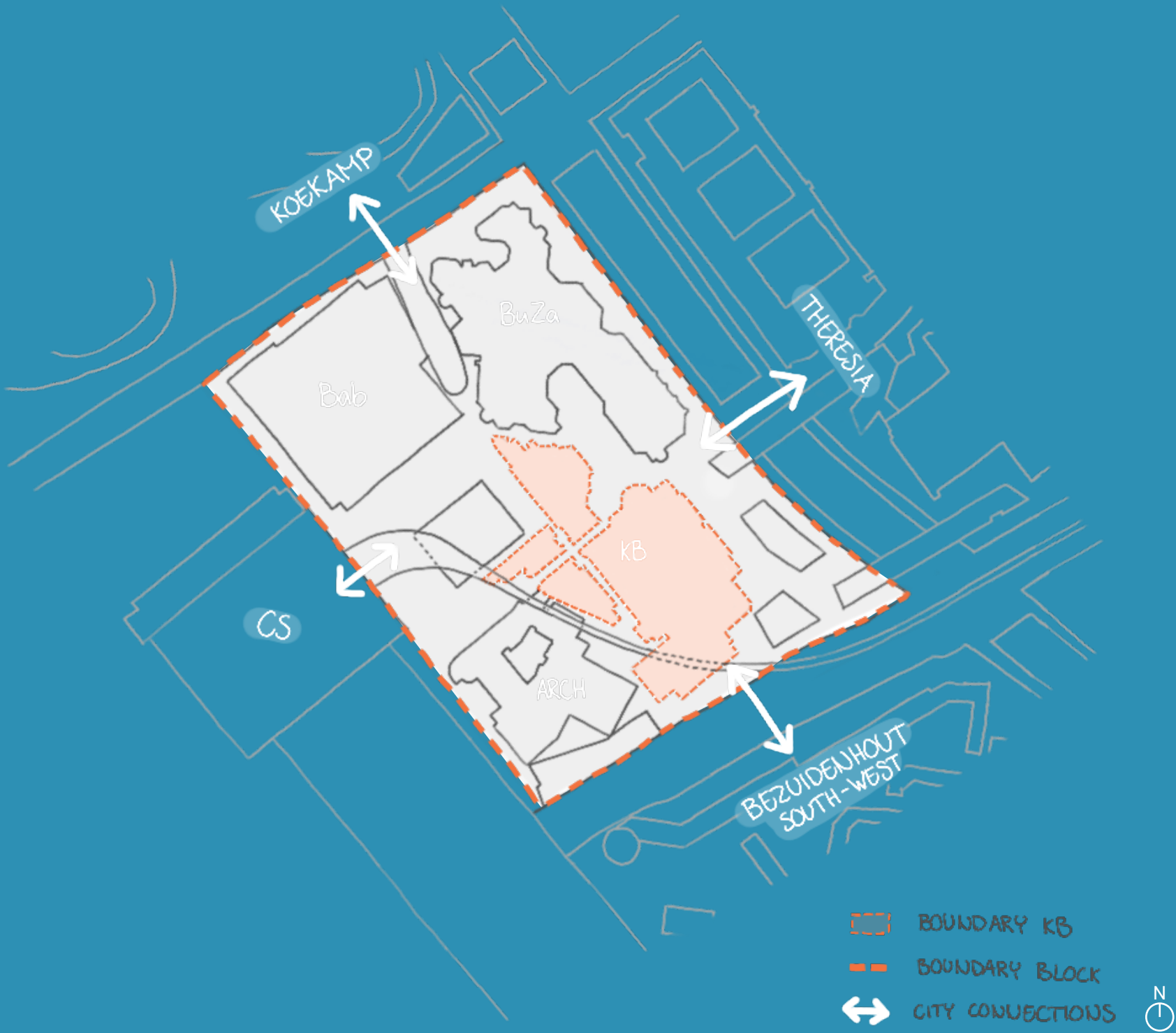


LITERATURE
STUDY

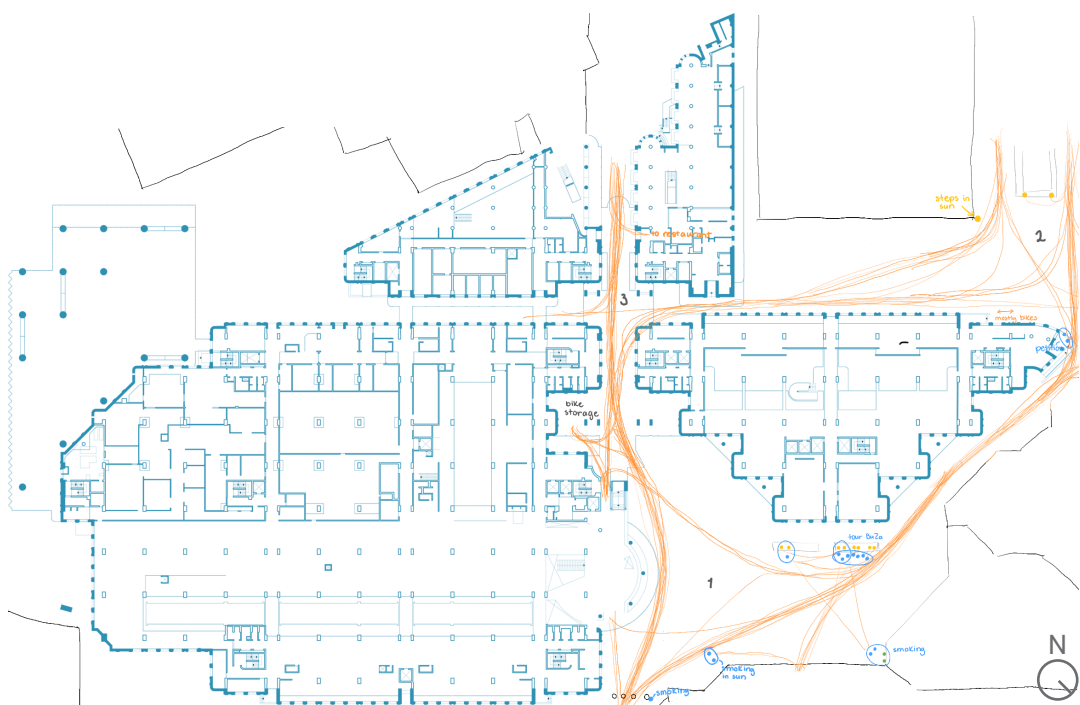
CASE
STUDIES

DESIGN ASPECTS THAT HAVE AN EFFECT ON SOCIAL INTERACTIONS
based on the literature review

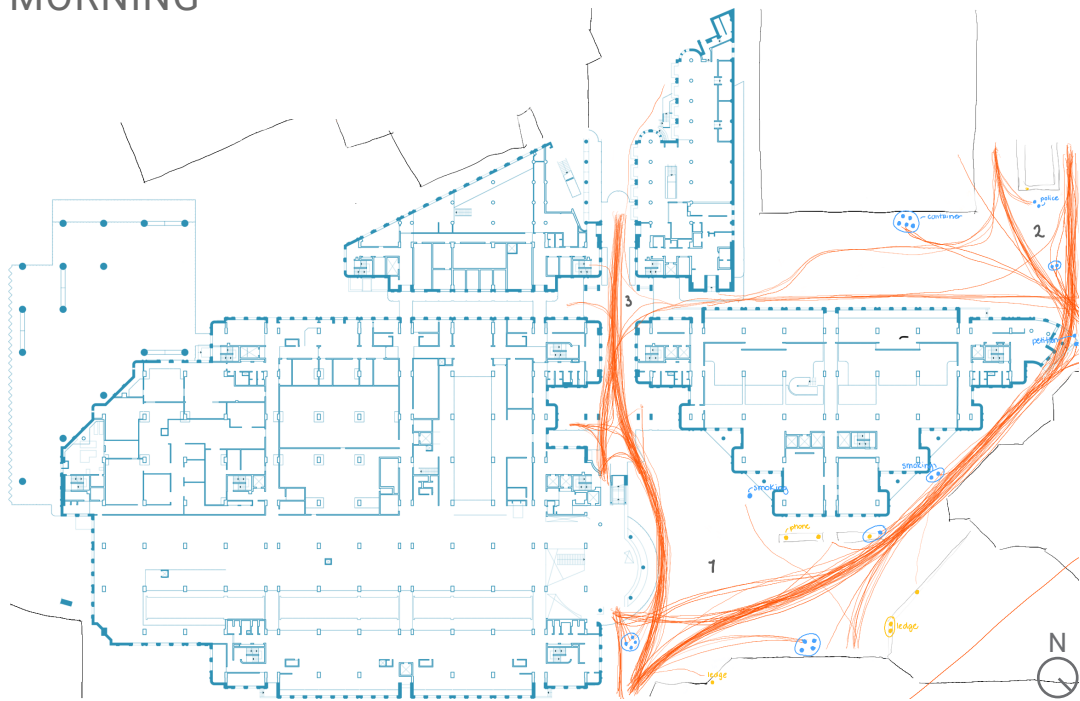




USER BEHAVIOUR STUDY
*movement through the site in a
time span of 10 minutes*



MORNING



EARLY AFTERNOON



LATE AFTERNOON



NON-INTERACTIVE FACADES
WINDY ALLEY



LACK OF OUTDOOR FURNITURE

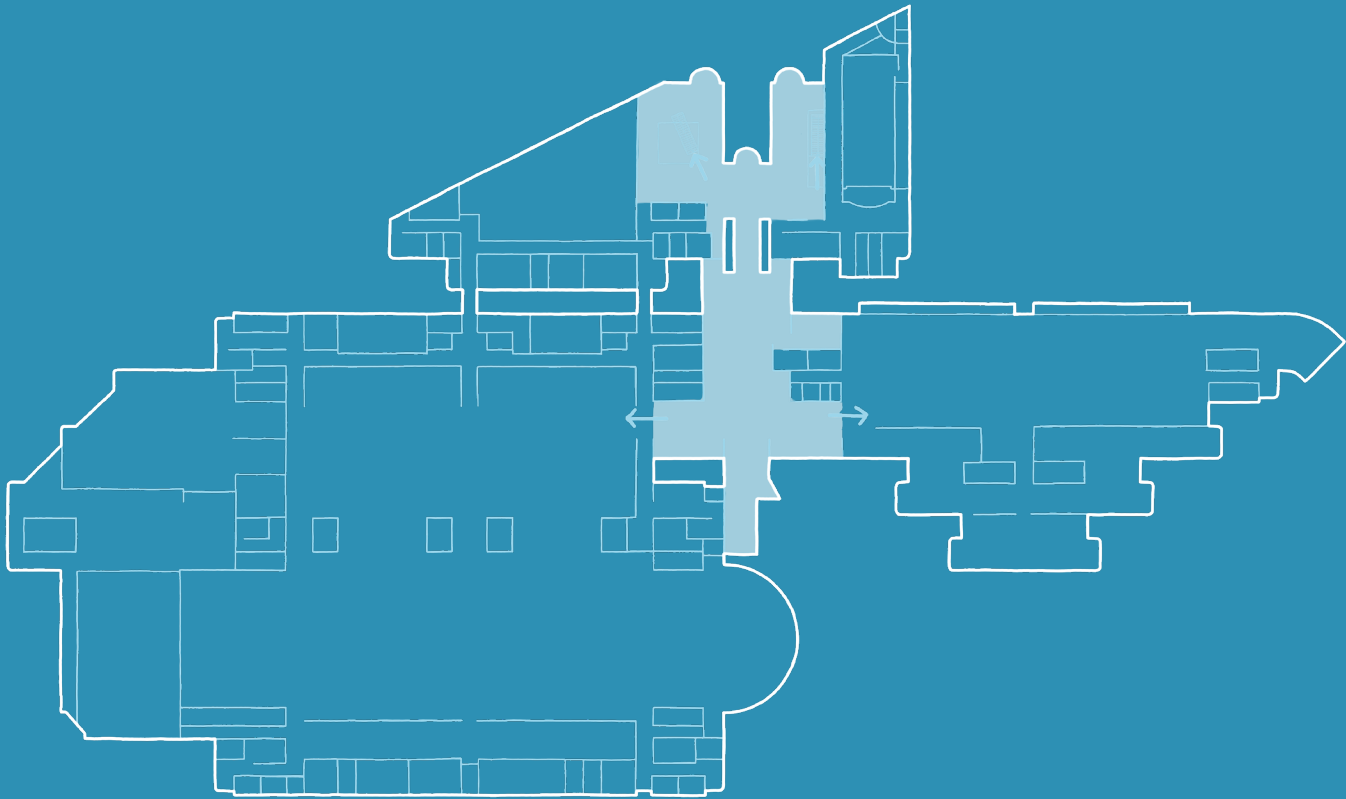


DARK PASSAGE
HIDDEN ENTRANCES

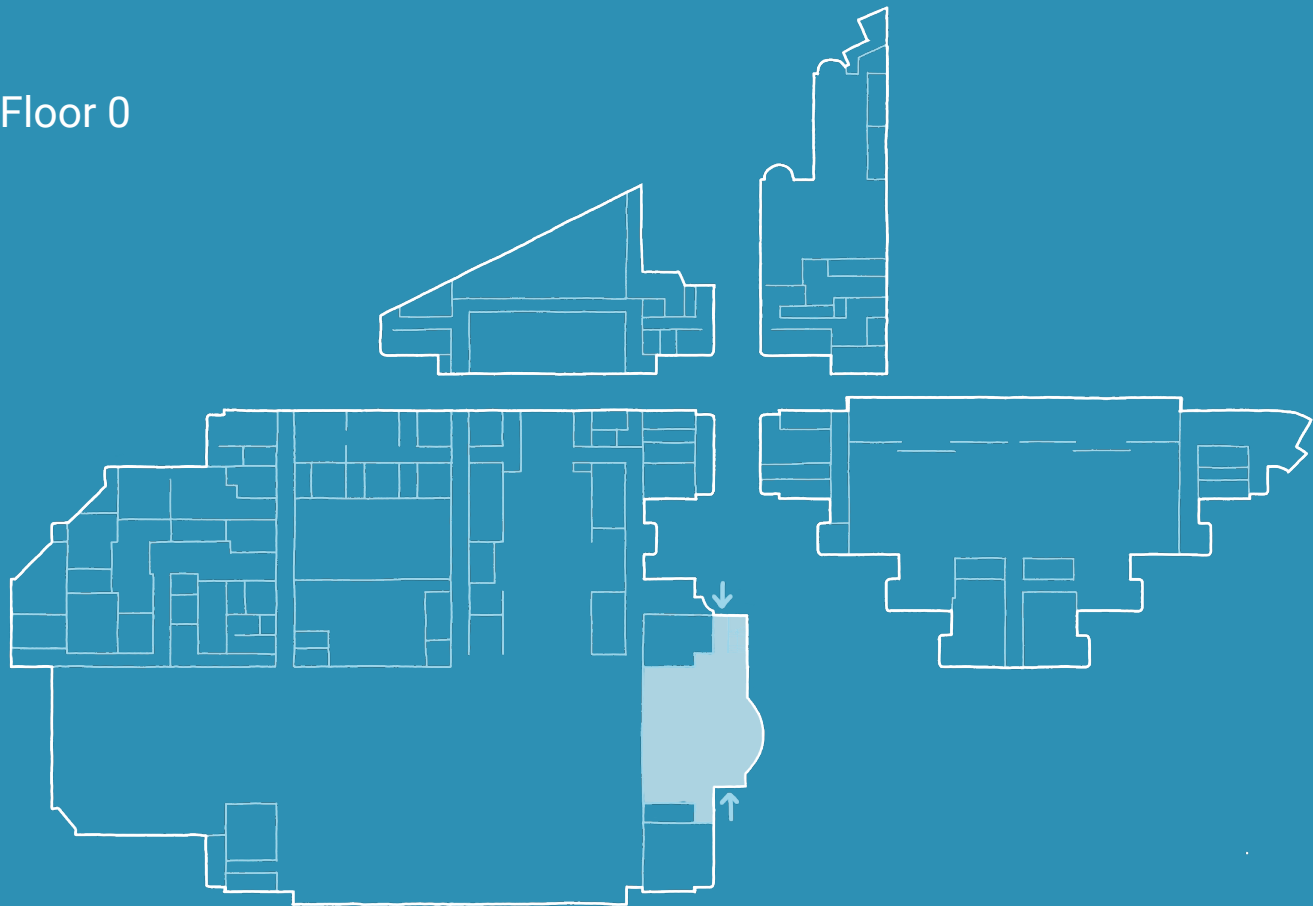
RESEARCH CONCLUSIONS
interior transitional spaces



Floor 1



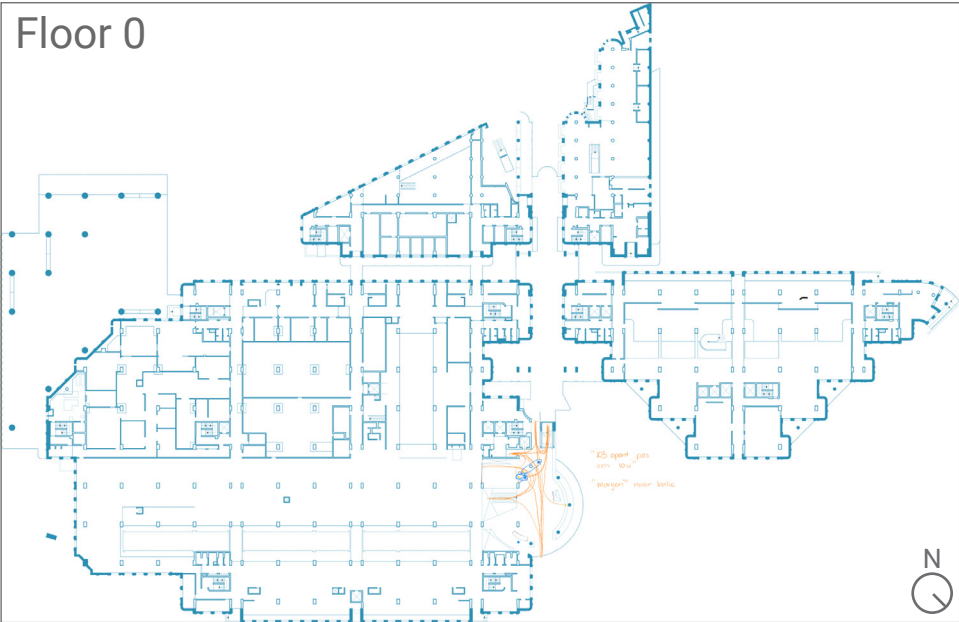
Floor 0



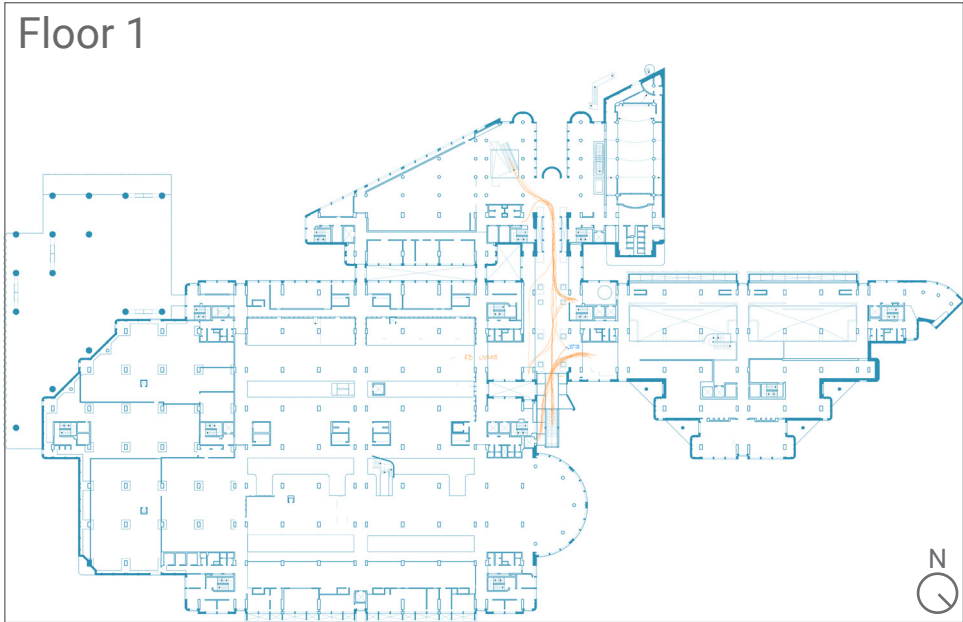
USER BEHAVIOUR STUDY

movement throughout the building's transitional spaces

MORNING

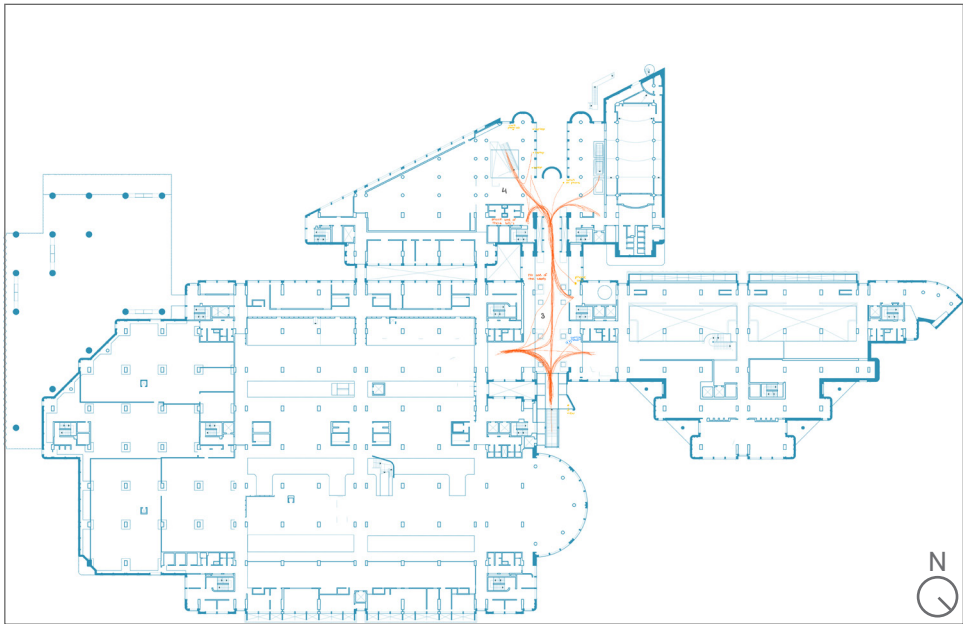
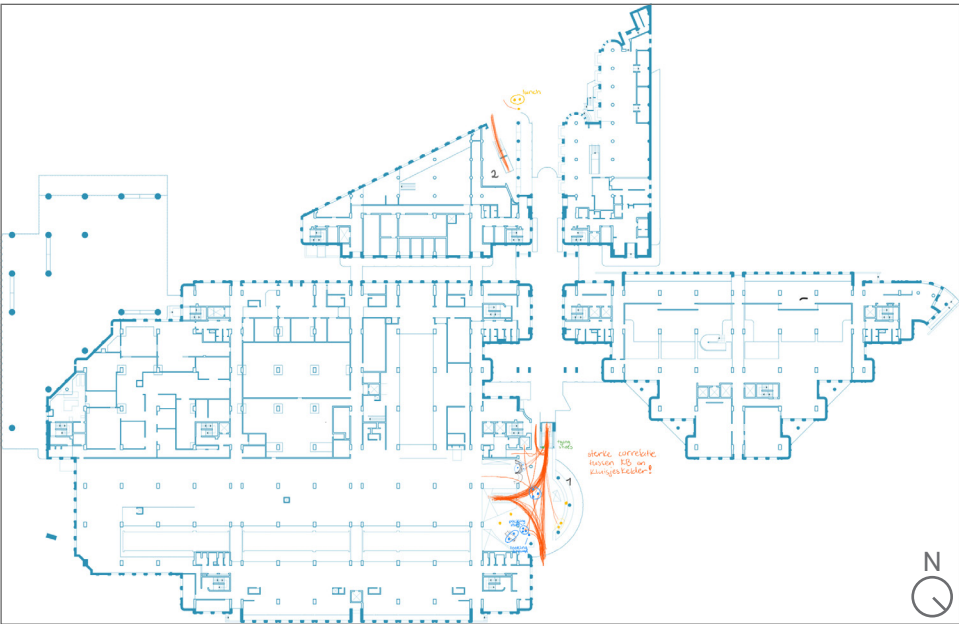


Floor 1



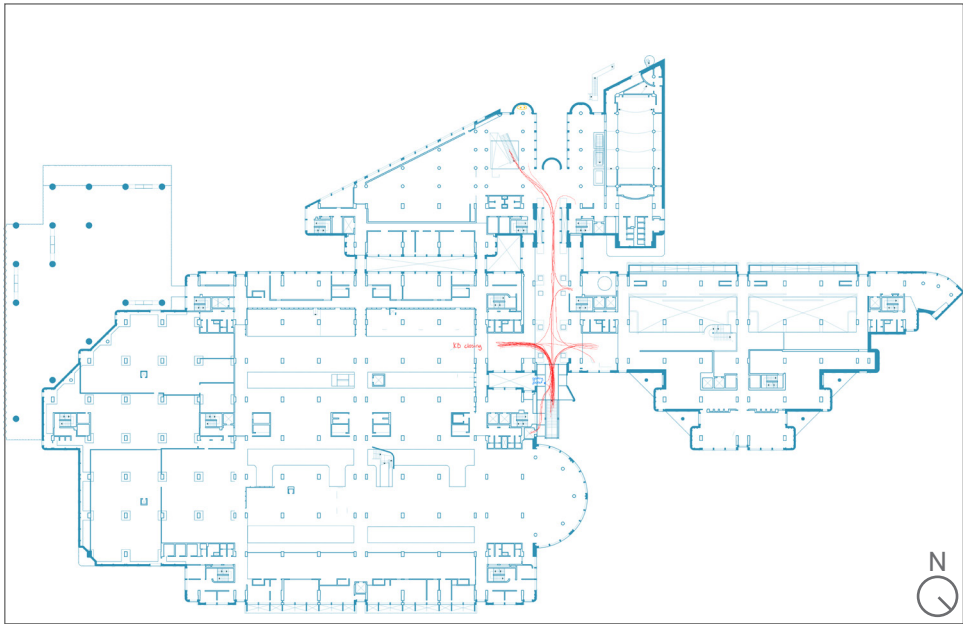
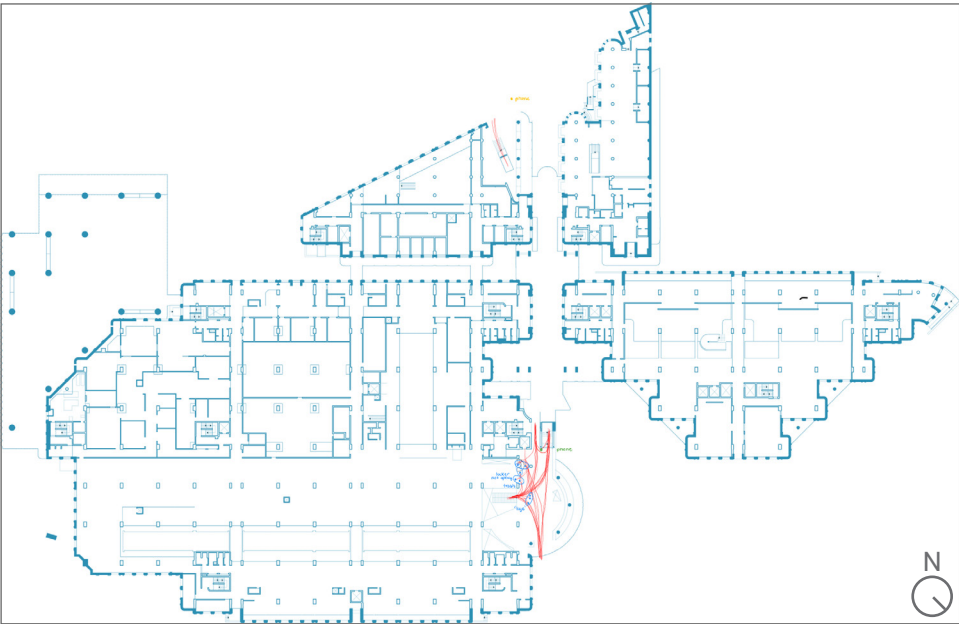
FLOOR 0
 DAYLIGHT
 SEATING
 VISUAL CONNECTION TO EXTERIOR

EARLY AFTERNOON



FLOOR 1
 DISTANCE FROM BUILDING EDGE
 LACK OF DAYLIGHT
 LACK OF FUNCTION
 LACK OF VISUAL CONNECTIONS TO EXTERIOR

LATE AFTERNOON





VALUE ASSESSMENT

values extracted from the Group Report

HOUSING OF CULTURAL
FUNCTIONS



POLITICAL

WALKING ROUTES AND AXIS
TO KOEKAMP



ECOLOGICAL

REPRESENTATIVE
ENTRANCE



AESTHETICAL

ATTEMPT AT HUMAN SCALE
DESIGN



SOCIAL

WHITE ALUMINIUM FACADE
CLADDING



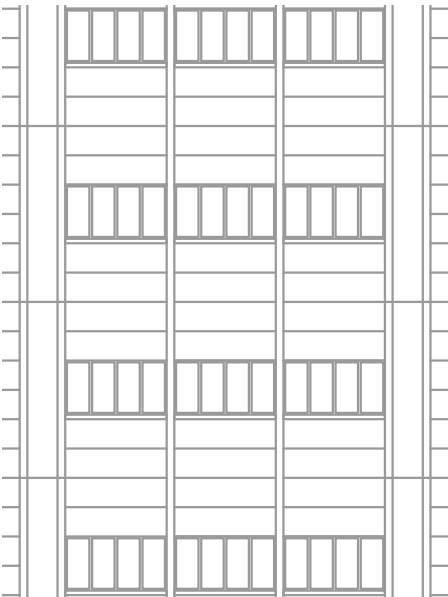
HISTORIC

AESTHETICAL

SCIENTIFIC

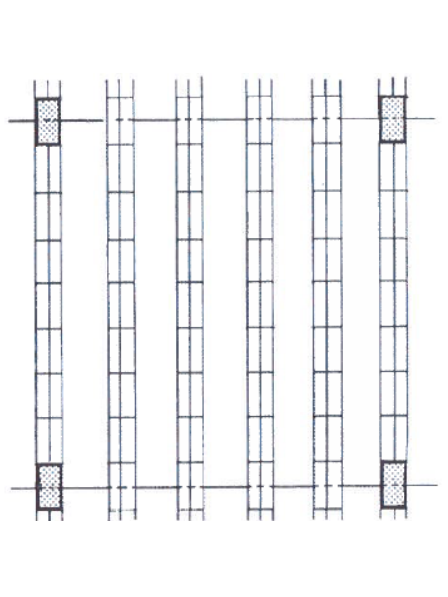
ECOLOGICAL

FACADE GRID



SCIENTIFIC

STRUCTURAL GRID AND
STABILITY CORES



SCIENTIFIC

THREE INTERIOR ATRIUMS



AESTHETICAL

INTERIOR PERFORATED
ALUMINIUM PANELS



SOCIAL

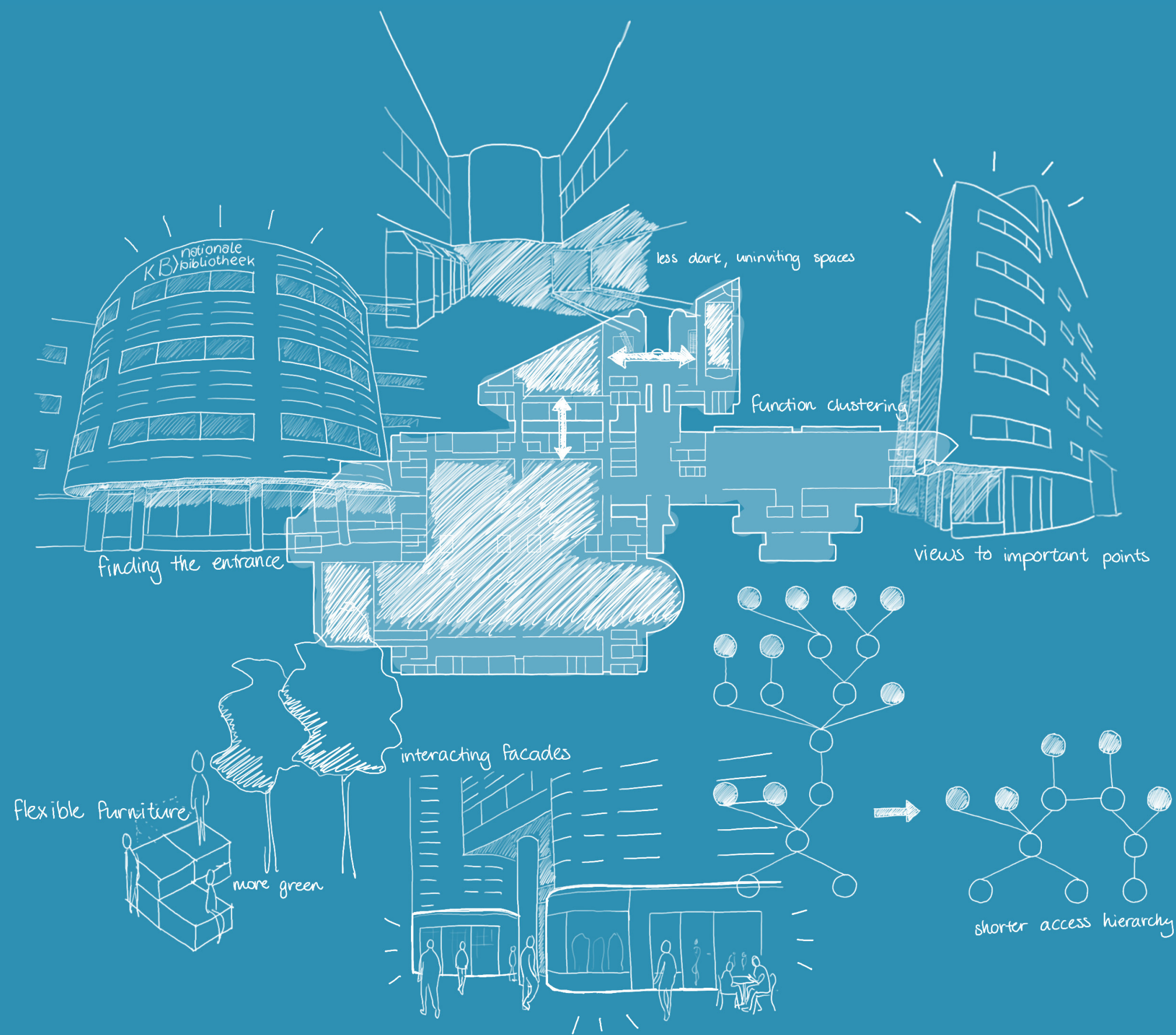
AESTHETICAL

TRANSITIONAL INTERIOR
ZONES



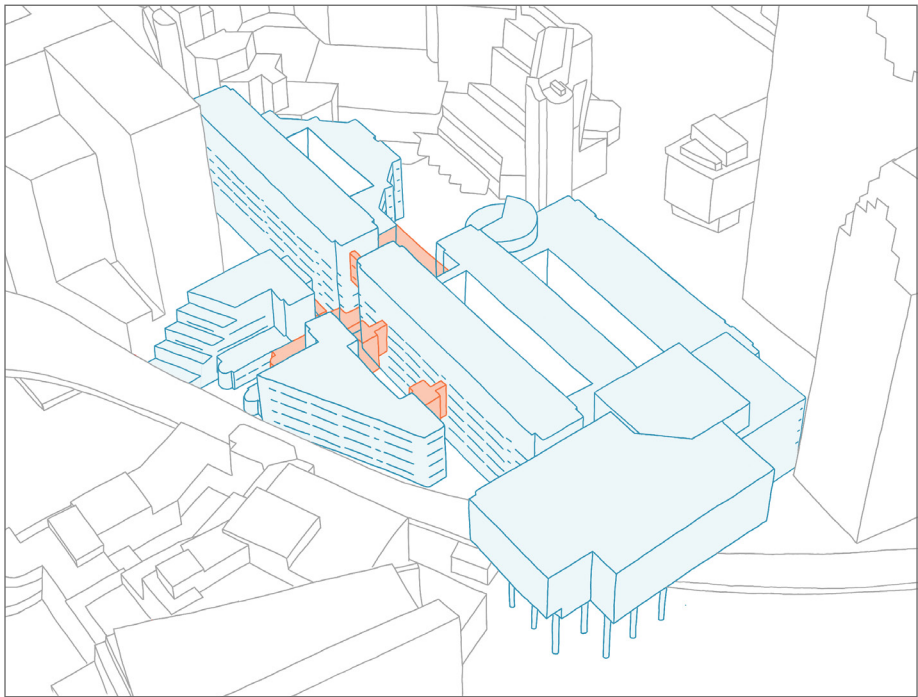
ECONOMIC

FIRST RESPONSE TO RESEARCH CONCLUSIONS



FIRST RESPONSE TO RESEARCH CONCLUSIONS

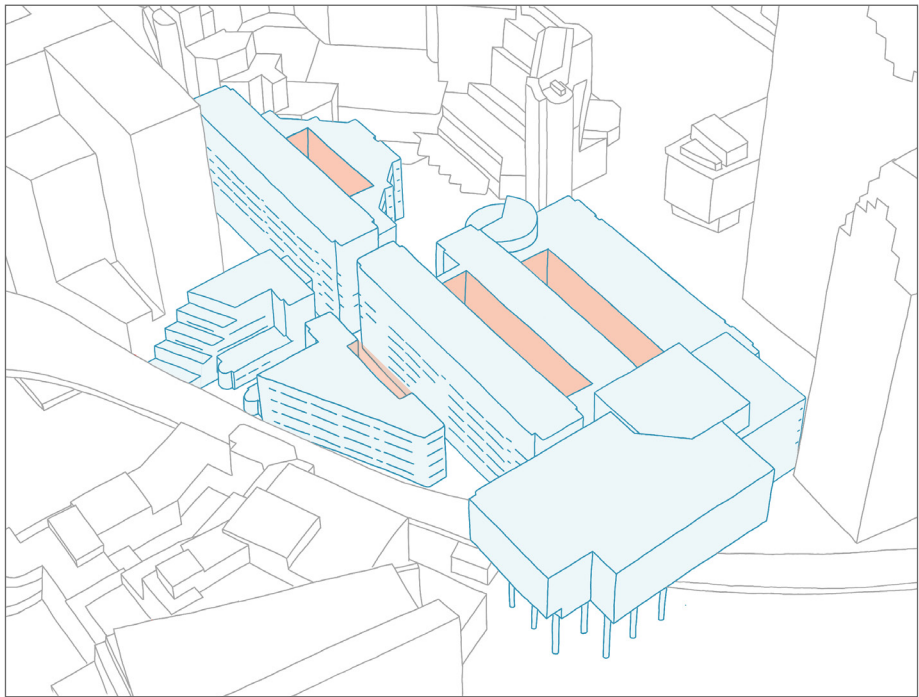
opening up the KB to stimulate *lingering*



REMOVING BRIDGING



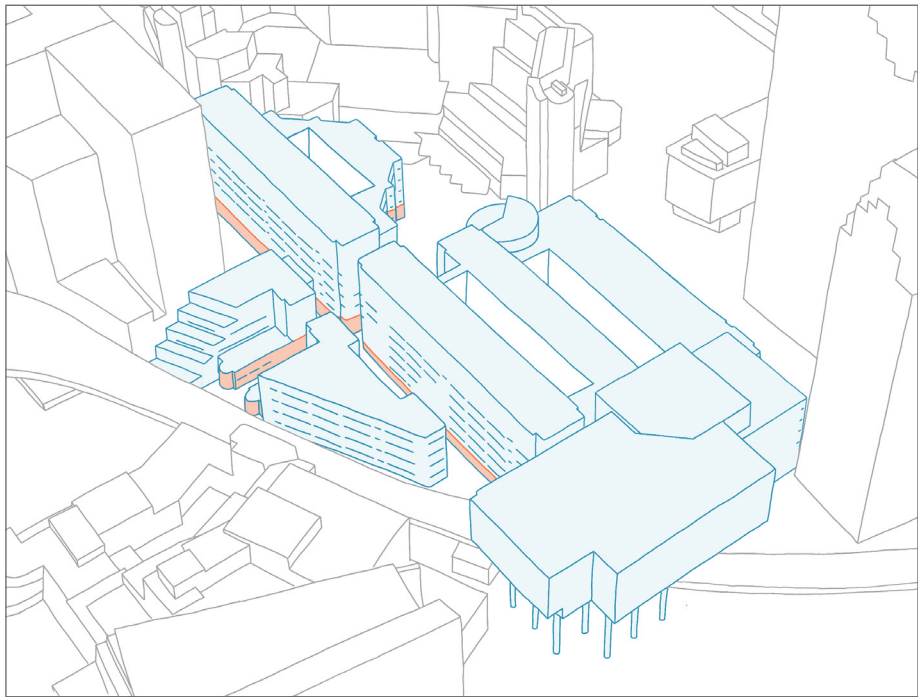
URBAN DAYLIGHT



OPENING UP ATRIUMS



INTERIOR DAYLIGHT



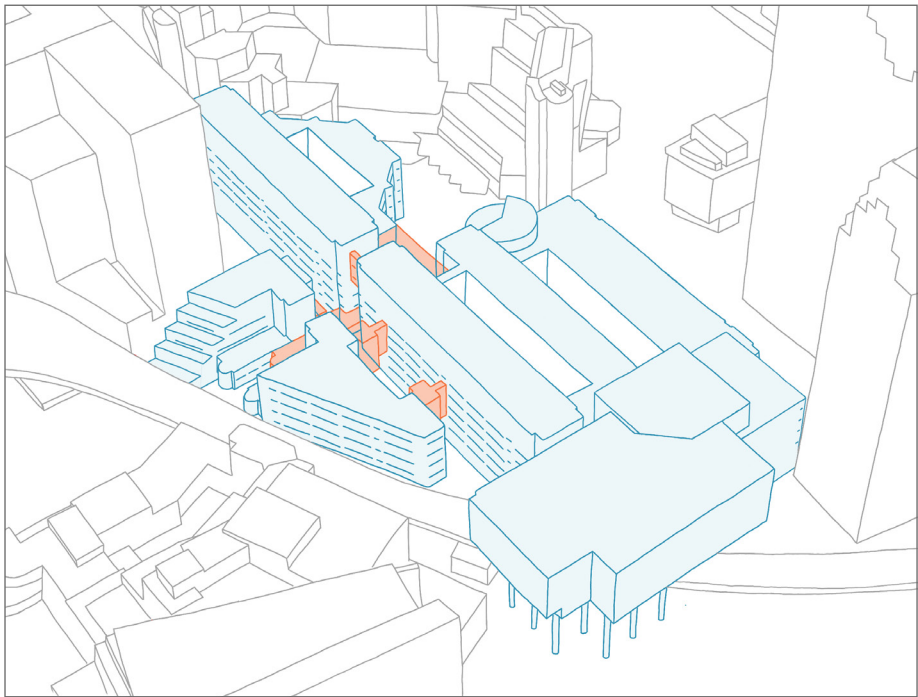
OPENING UP GROUND FLOOR FACADES



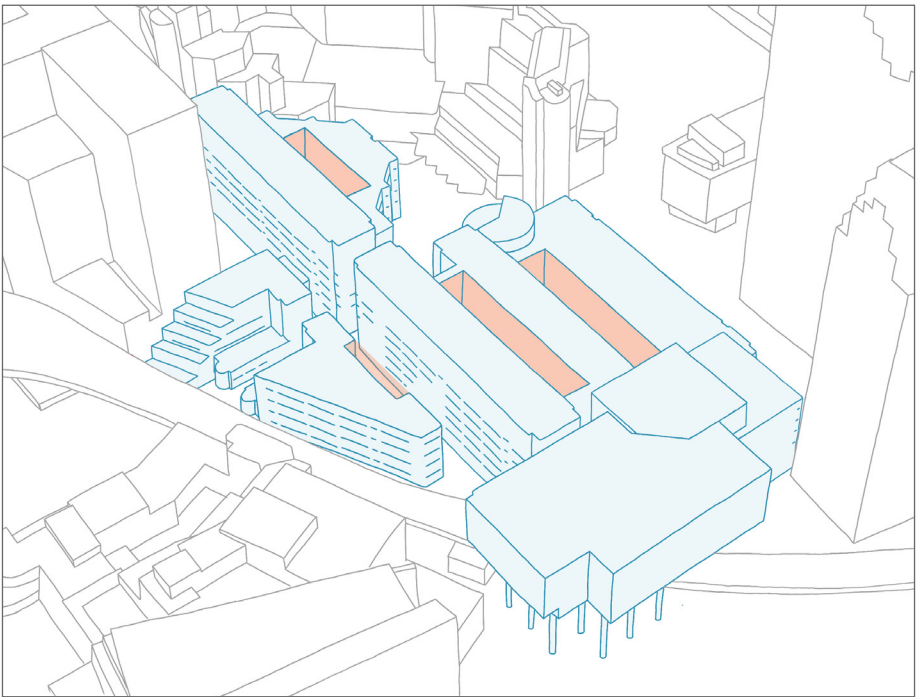
VISUAL CONNECTIONS, EDGE ACTIVITY

FIRST RESPONSE TO RESEARCH CONCLUSIONS

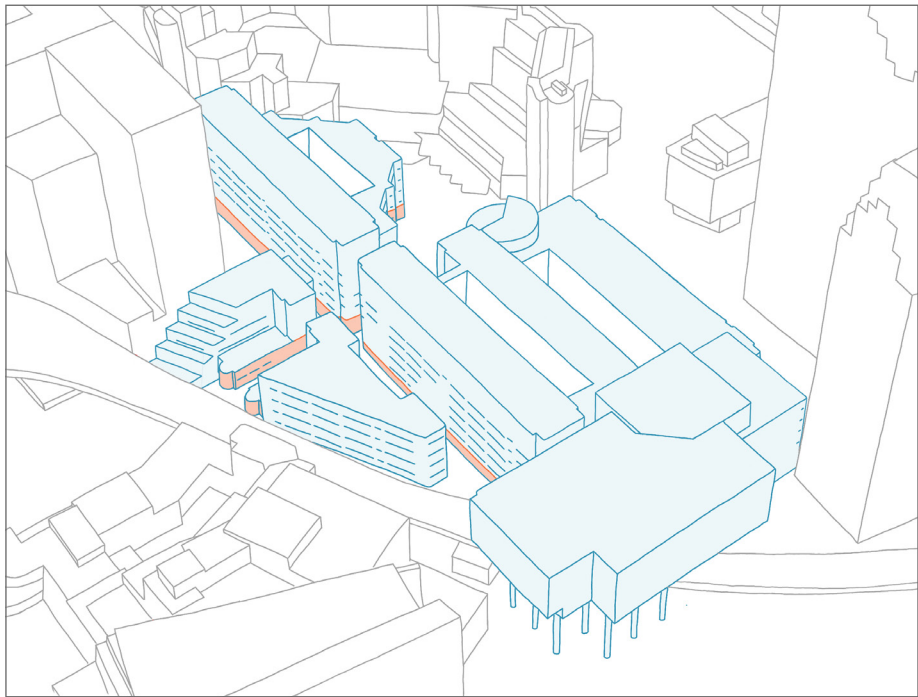
opening up the KB to stimulate *lingering*



REMOVING BRIDGING



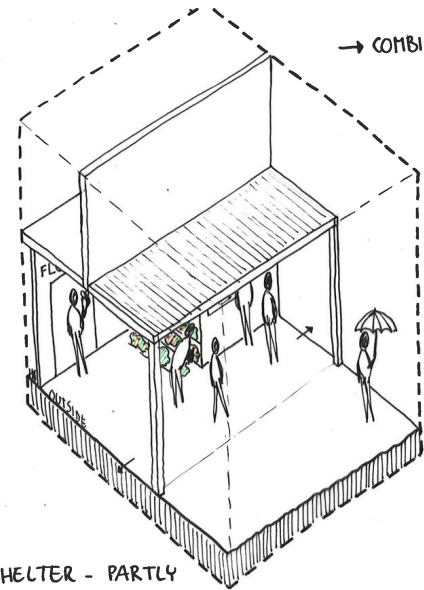
OPENING UP ATRIUMS



OPENING UP GROUND FLOOR FACADES

FACADE STUDY

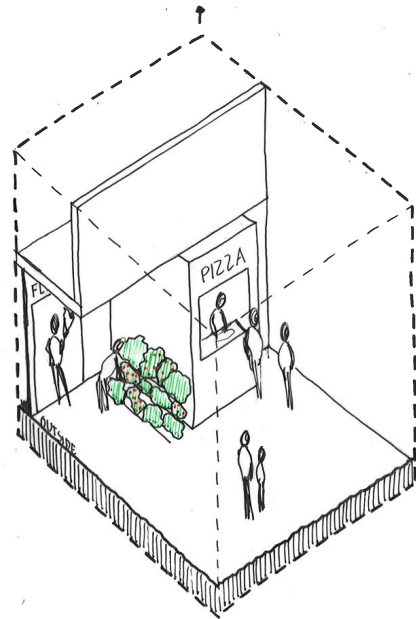
research into how to bring different types of users into the building



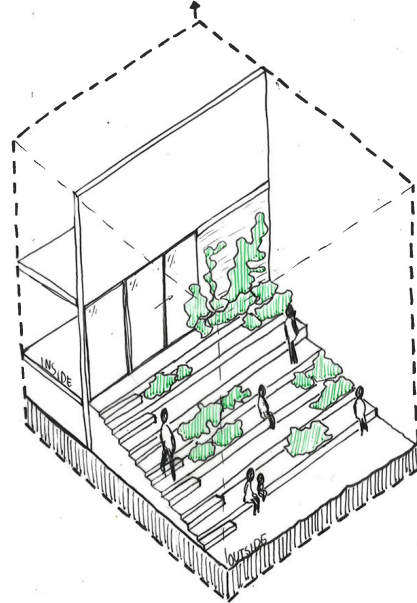
→ COMBINATION ARCADE +
POCKET TRANSITION SPACES

SHELTER
DYNAMIC FACADE - 'STOP'
NO SEATING

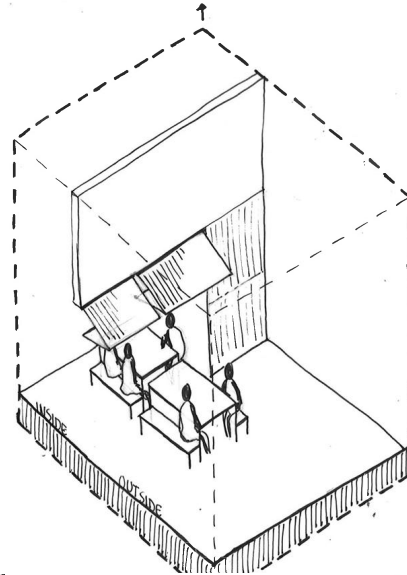
SHELTER - PARTLY
DYNAMIC SHOPFRONTS - ACTIVE + VERTICAL



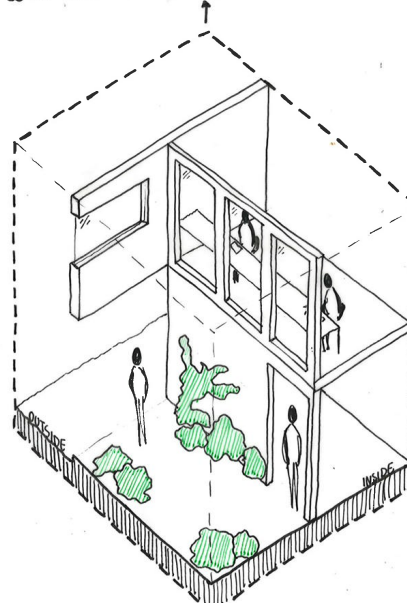
WHAT IF DIFFERENT TYPOLOGY? ^{INSIDE} ~~OUTSIDE~~
DEFINING THE ENTRANCE
WHAT IF INTERIOR?
NO SHELTER
DISTANCE BETWEEN IN + OUT - VISUAL...
INTEGRATED SEATING + GREEN



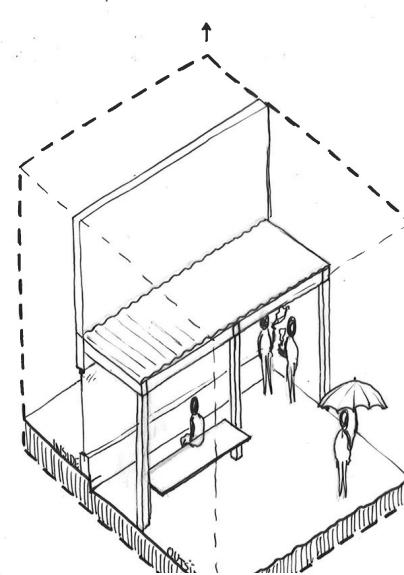
COMMUNICATION SPACE
NOT FOR CONCENTRATION
RAIN/SUN SHELTER WHEN OPEN
DIRECT CONNECTION INTERIOR



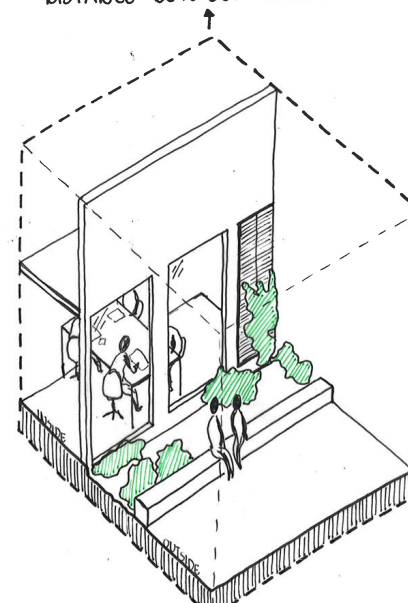
BETTER FOR DIFFERENT TYPOLOGY? (INSIDE-OUT?)
LITTLE VISUAL CONNECTION
NOT TOO MUCH DISTRACTION
GREEN
LOOK OUT TO TRANSITION 'POCKET'



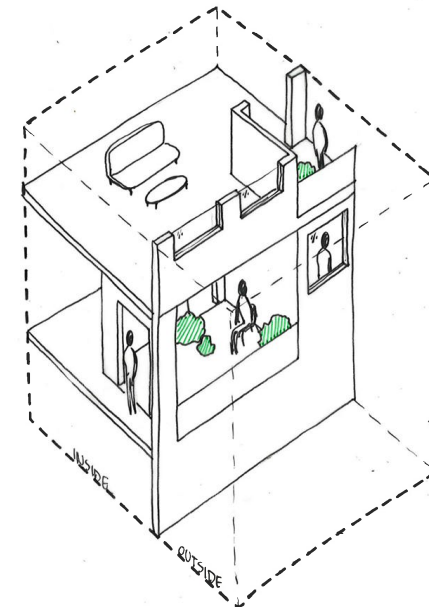
FACADE USE - SEATING
INDIRECT CONNECTION INTERIOR
RAIN/SUN SHELTER



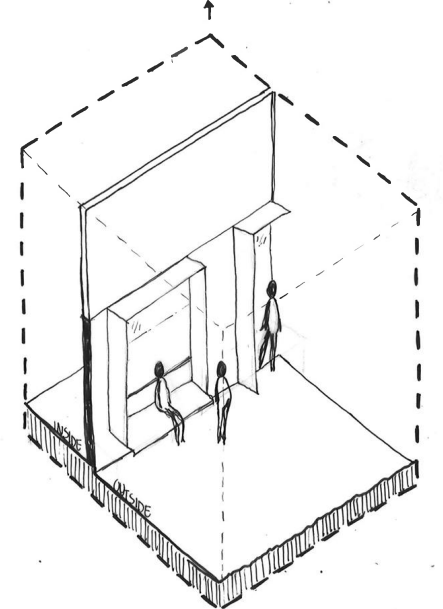
LOOK OUT TO GREEN
VISUAL CONNECTION
DISTANCE BETWEEN IN/OUT ✓



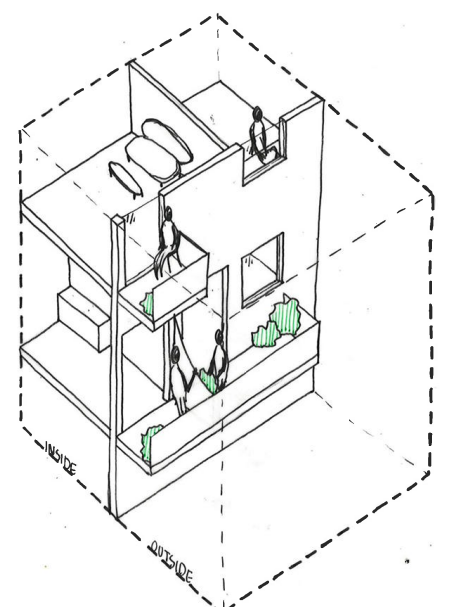
LESS RAIN, BUT LESS SUN...
SHELTERED BALCONIES
INWARD
MEDIUM ACTIVITY AT STREET FACADE
SHARED BALCONY - ONLY DIRECT NEIGHBOUR
FACADE INCISIONS - POCKET BALCONIES



NOT FLEXIBLE - USE
WHAT IF INSIDE OUT?
NO RAIN/SUN SHELTER
FACADE USE - SEATING

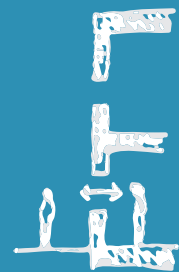


ACTIVITY AT STREET FACADE
SHARED BALCONY - ONLY DIRECT NEIGHBOUR





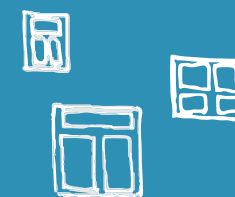
URBAN



BUILDING EDGE



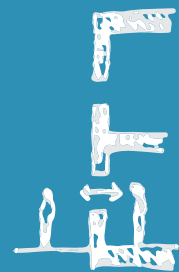
BUILDING INTERIOR



DETAIL



URBAN



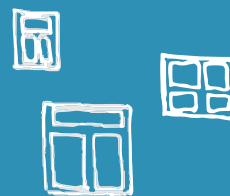
BUILDING EDGE



BUILDING INTERIOR



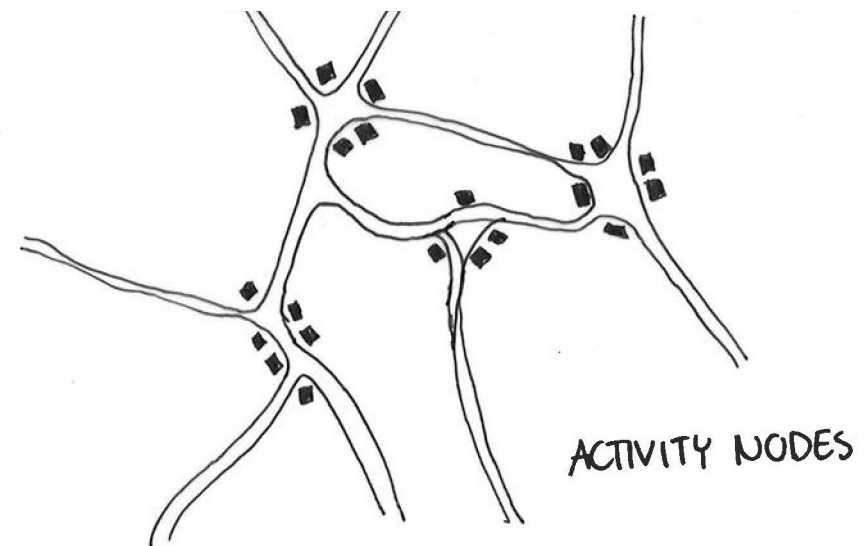
SUSTAINABILITY

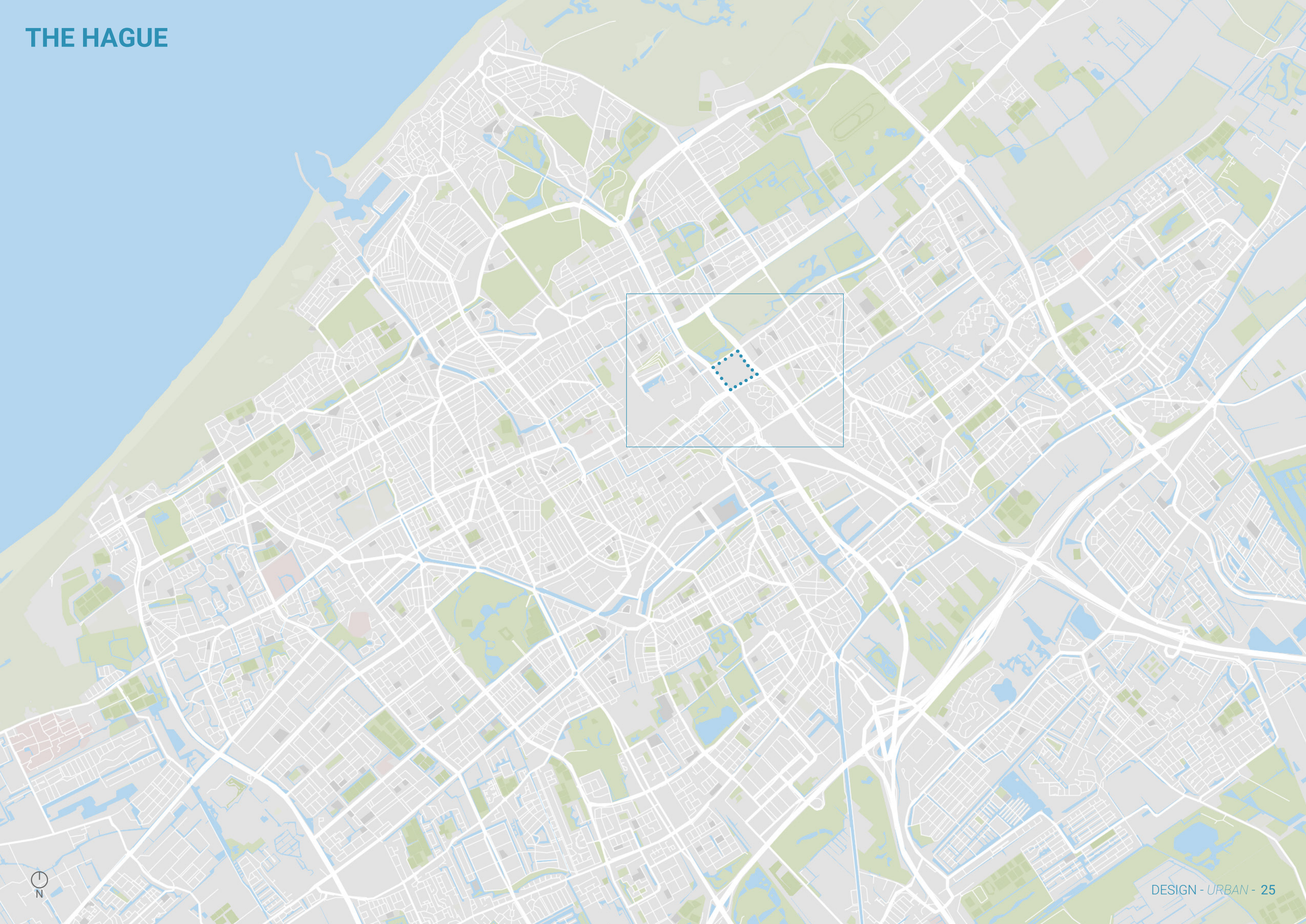


DETAIL



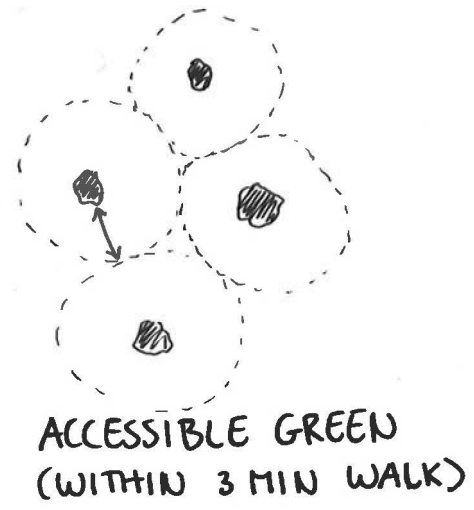




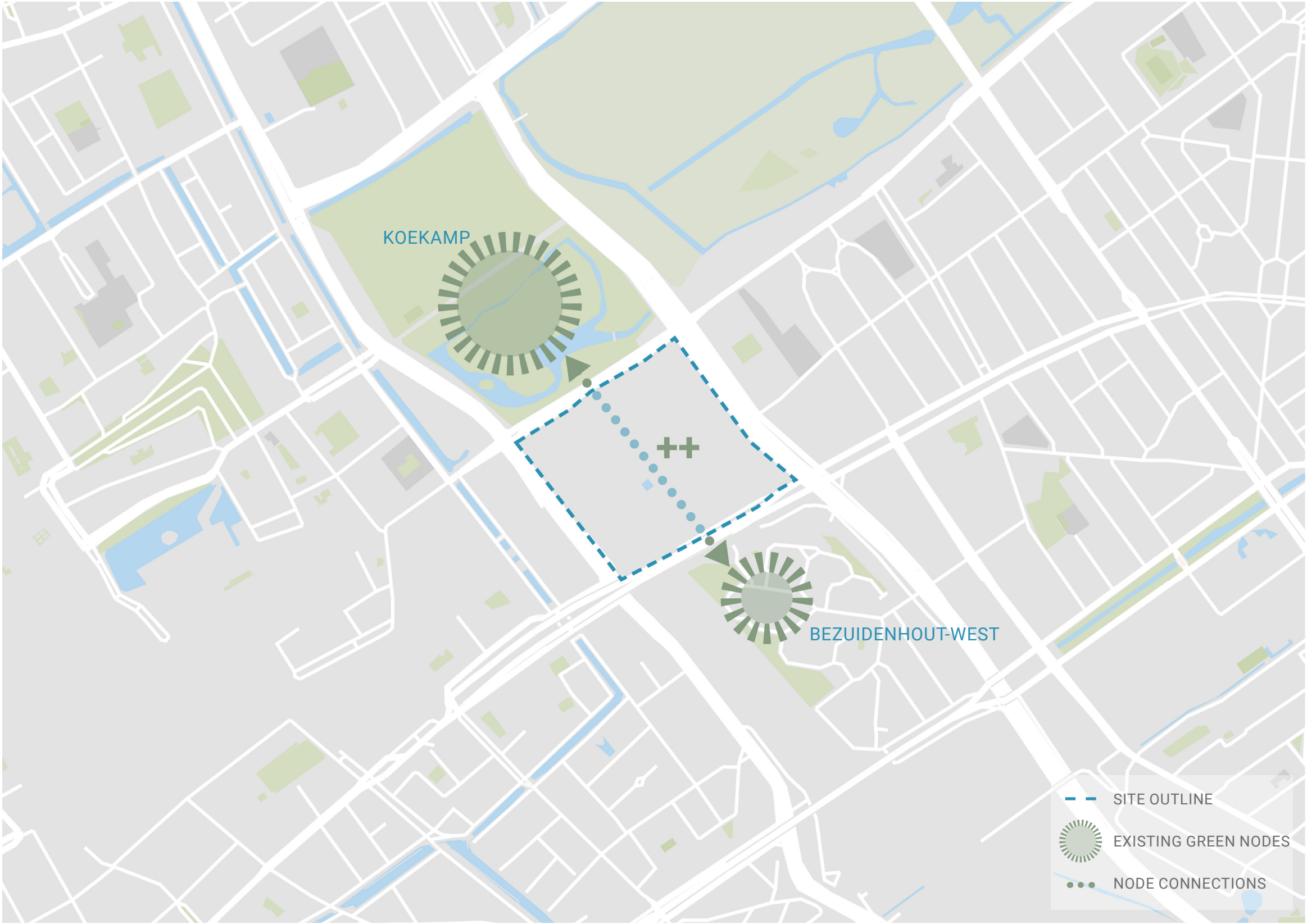


CONNECTION OF ACTIVITY NODES

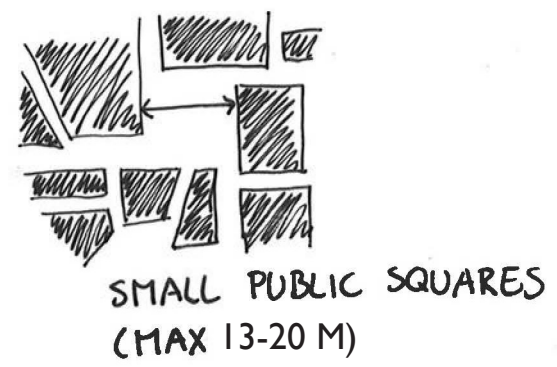




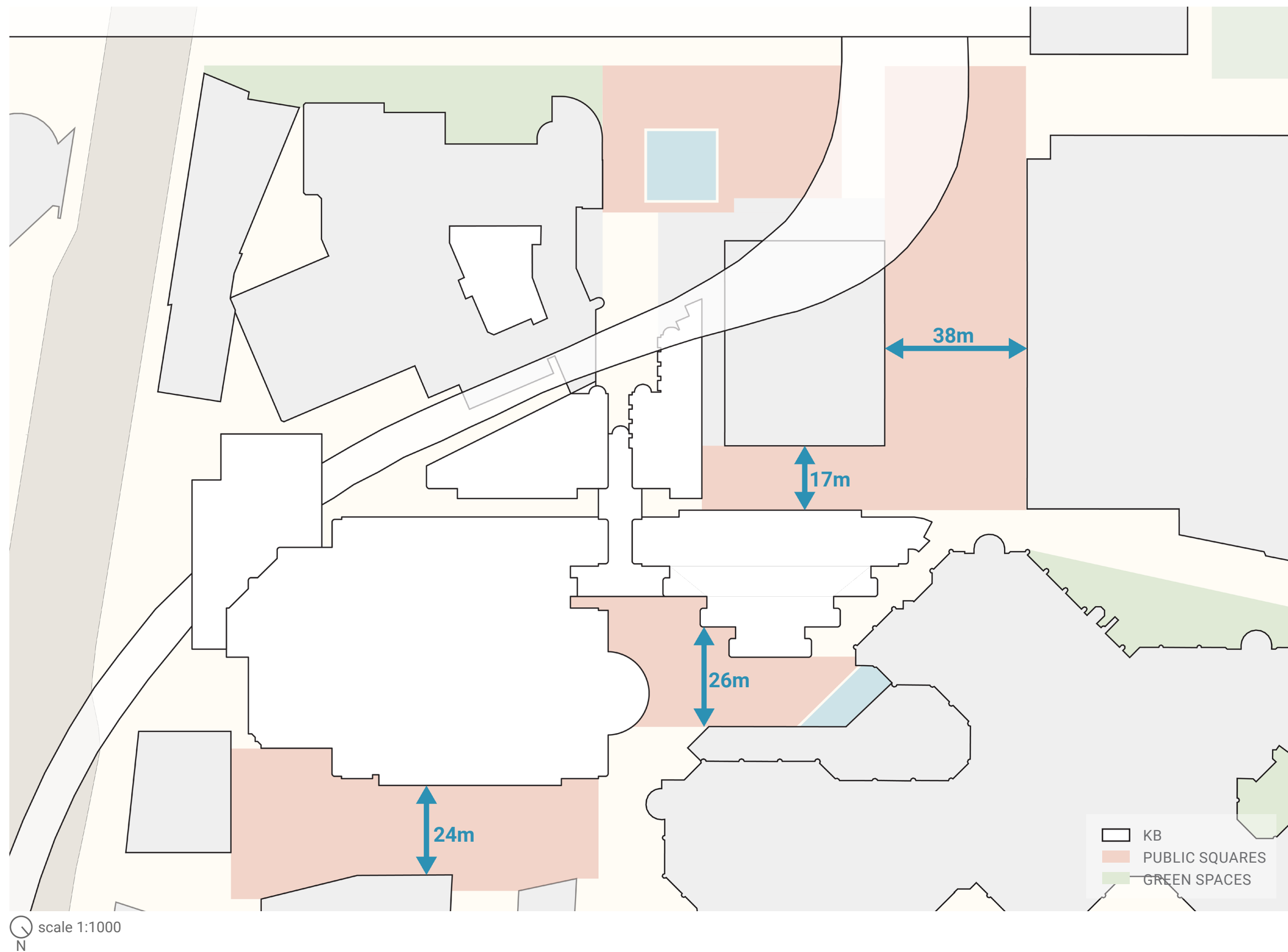
CONNECTION OF GREEN SPACES



scale 1:8000

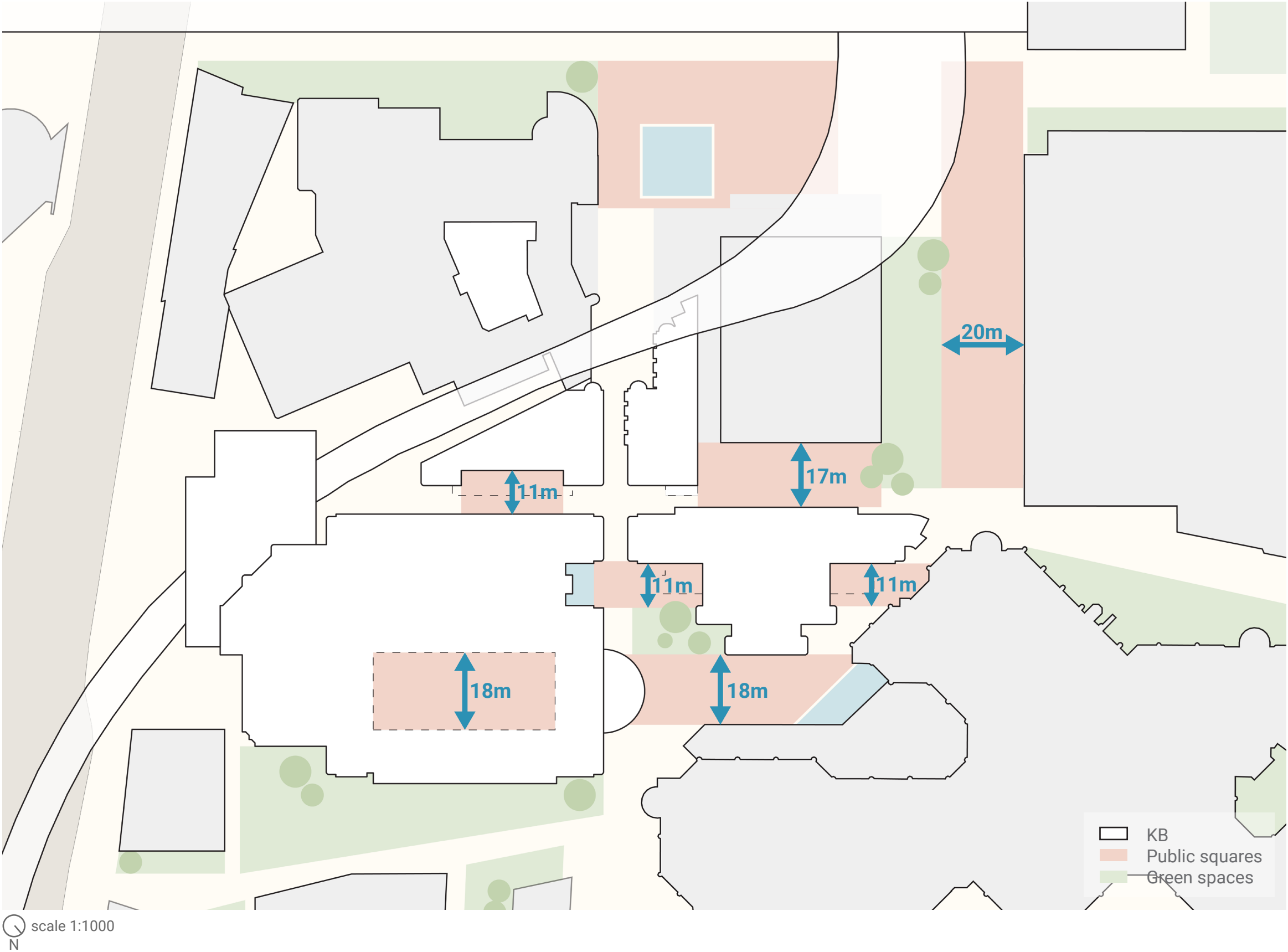


PUBLIC SQUARES
existing

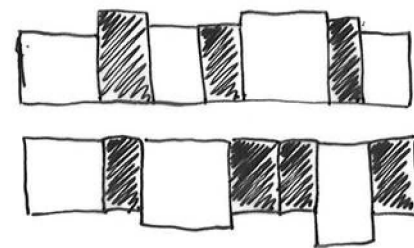


Large & “left-over” public squares between buildings

PUBLIC SQUARES
new

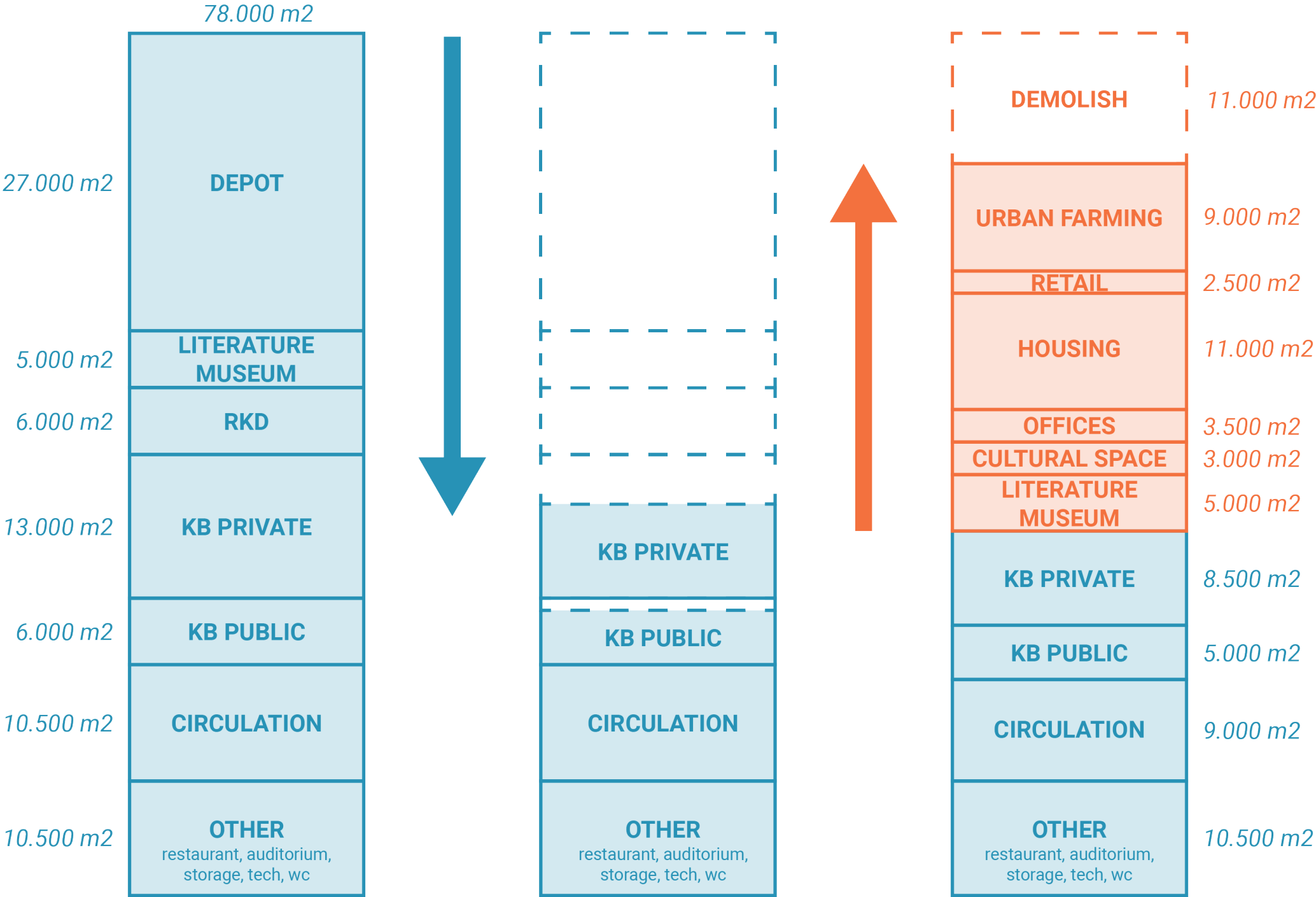


Smaller squares & “positive” space between buildings

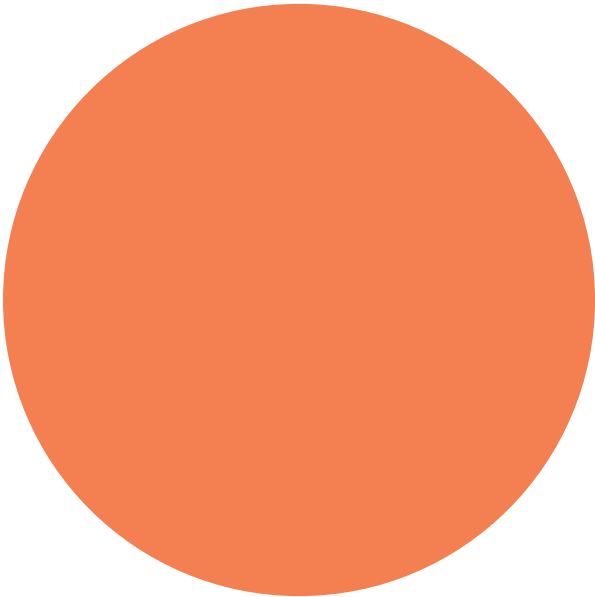


HOUSING IN BETWEEN
(MIX OF FUNCTIONS)

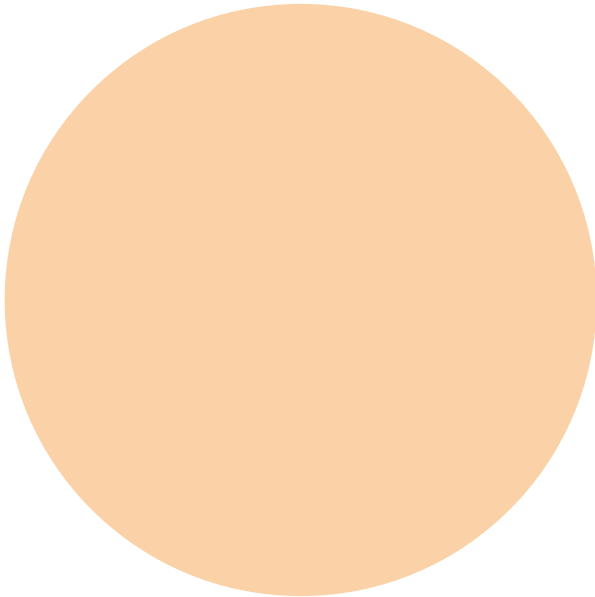
FLOOR SPACE
mixed-use



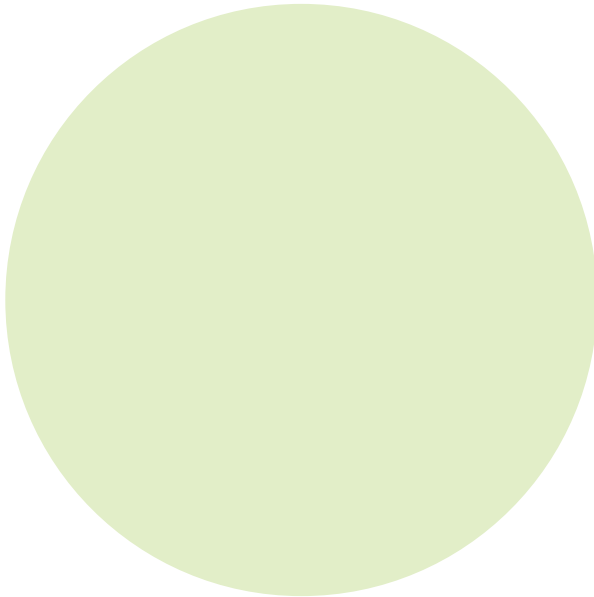
PUBLIC



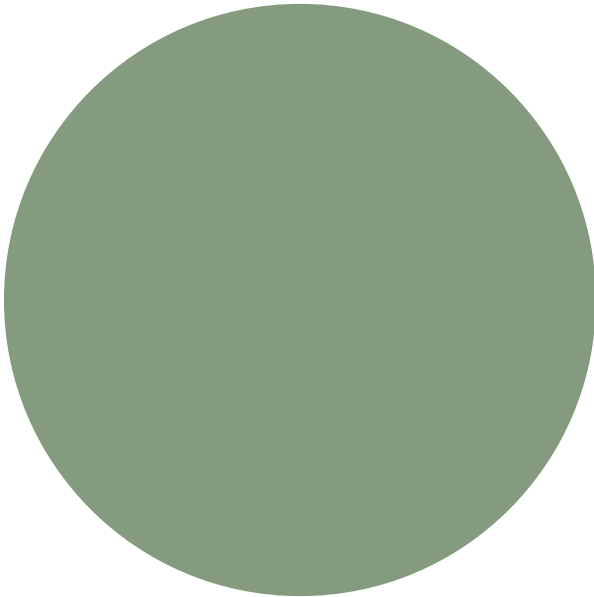
SEMI-PUBLIC
(INSIDE-OUT)



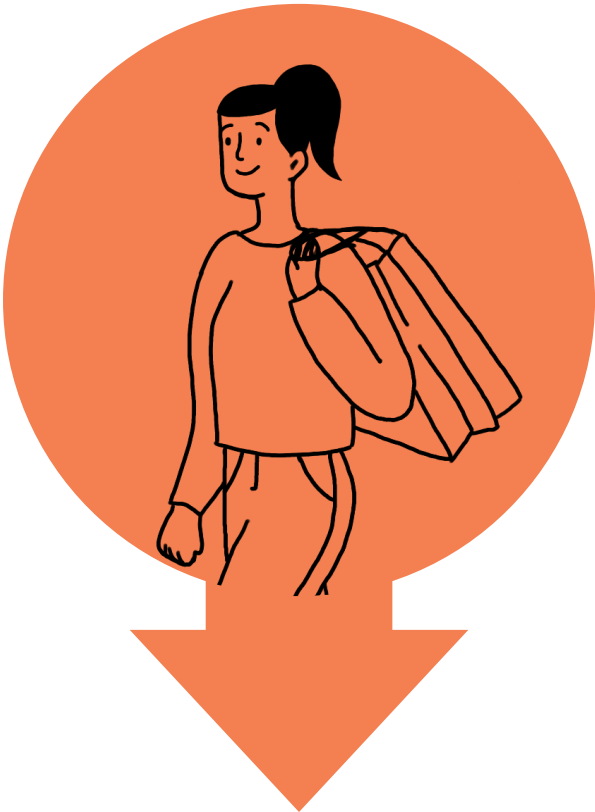
SEMI-PRIVATE



PRIVATE
(OUTSIDE-IN)



PUBLIC



THE PASSER-BY

SEMI-PUBLIC
(INSIDE-OUT)



THE KB VISITOR

SEMI-PRIVATE



THE OFFICE WORKER

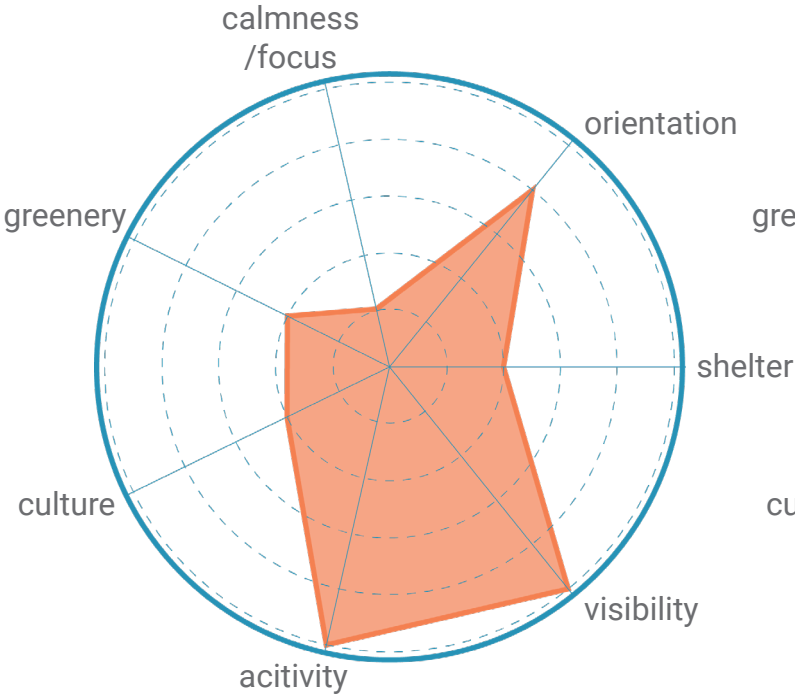
PRIVATE
(OUTSIDE-IN)



THE RENTER

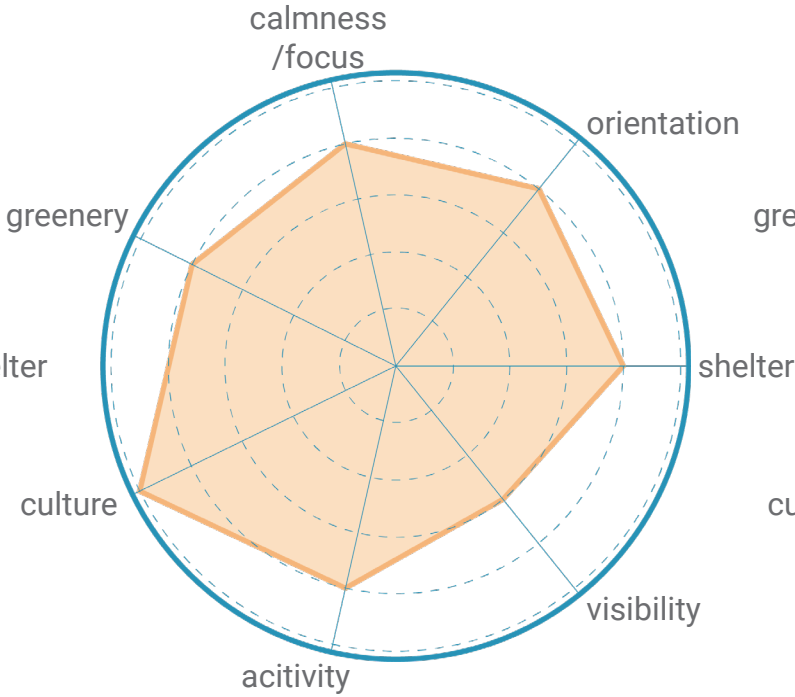
TYPOLGY NEEDS

PUBLIC



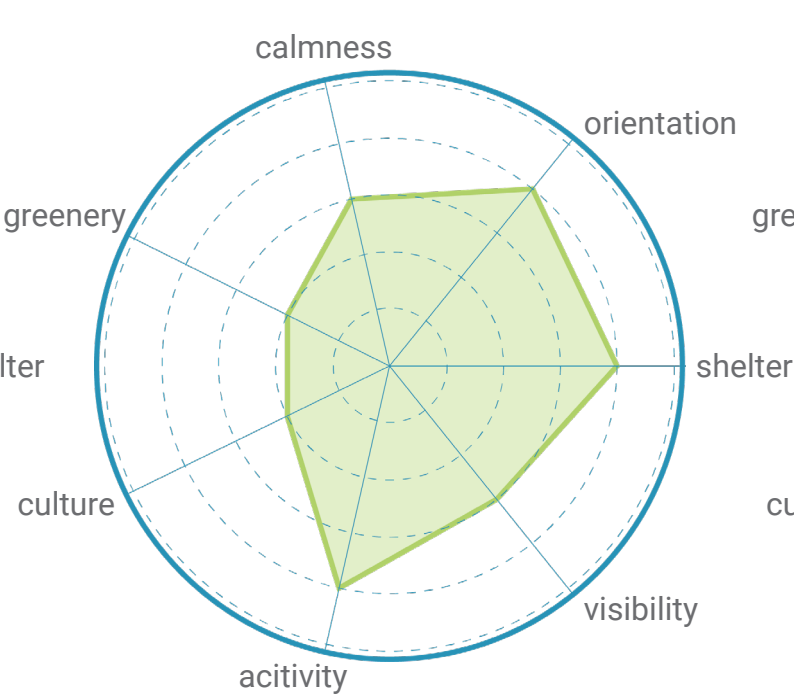
THE PASSER-BY

SEMI-PUBLIC
(INSIDE-OUT)



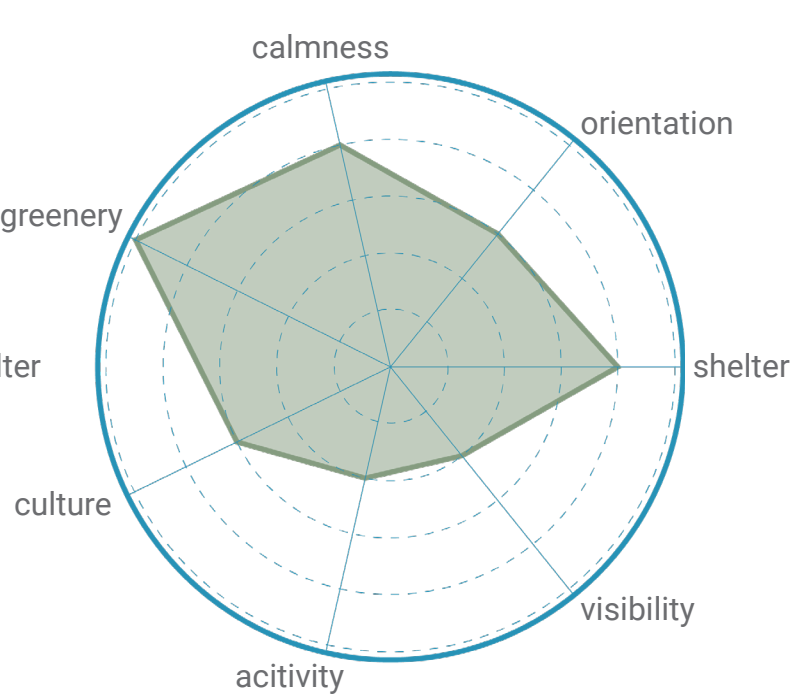
THE KB VISITOR

SEMI-PRIVATE



THE OFFICE WORKER

PRIVATE
(OUTSIDE-IN)

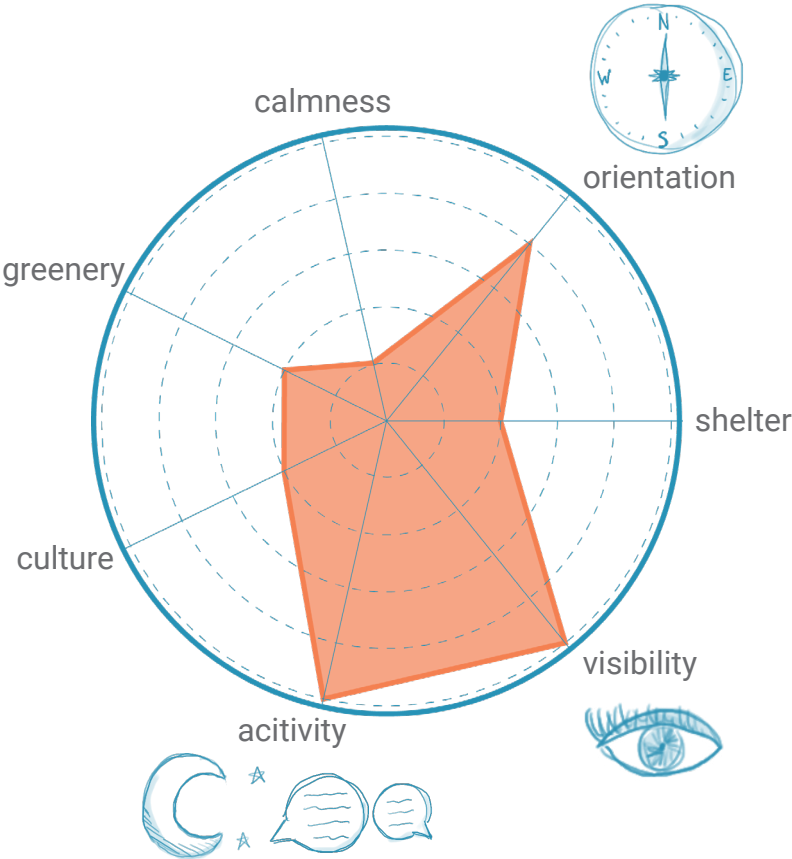


THE RENTER

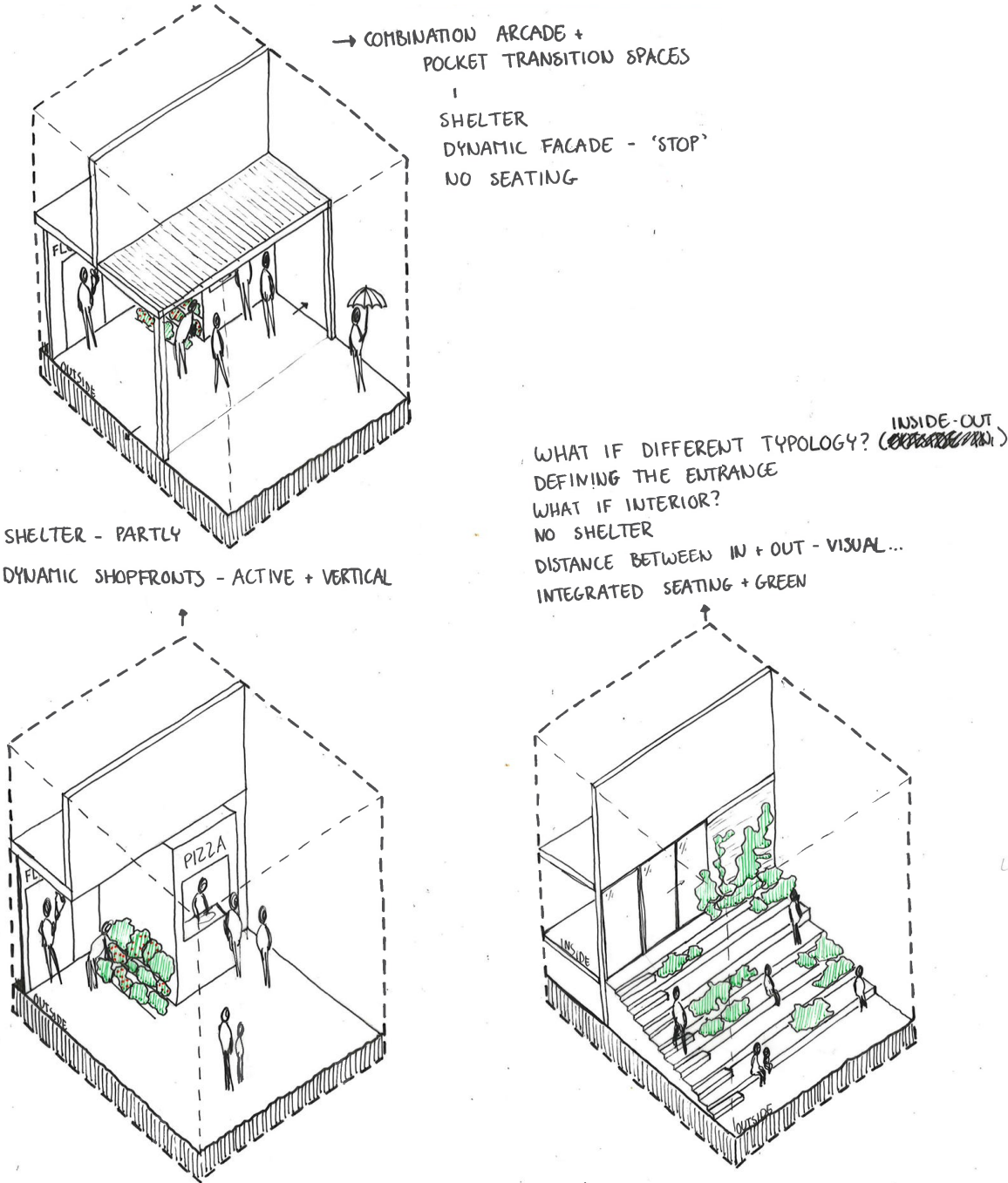
TYPOLOGY NEEDS

facade patterns

PUBLIC

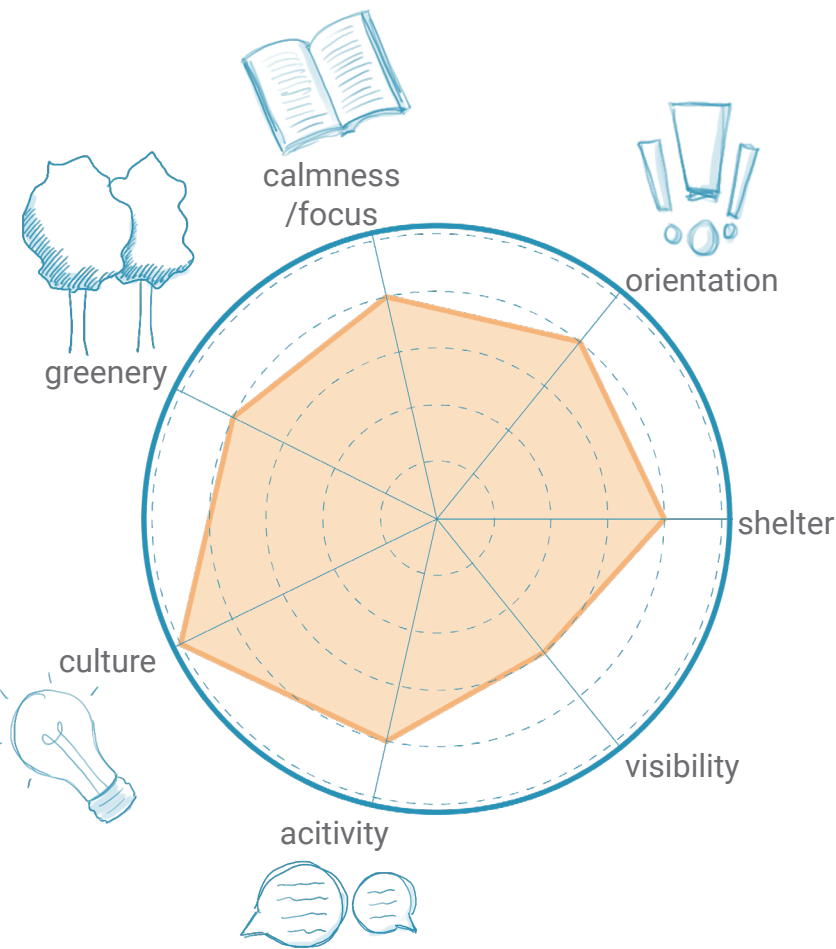


THE PASSER-BY



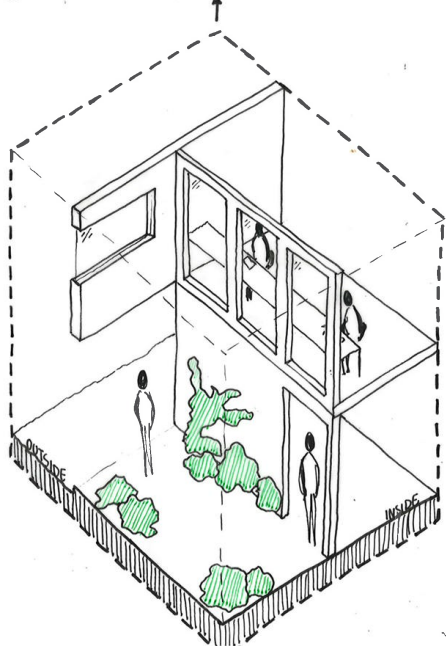
TPOLOGY NEEDS
facade patterns

SEMI-PUBLIC
(INSIDE-OUT)

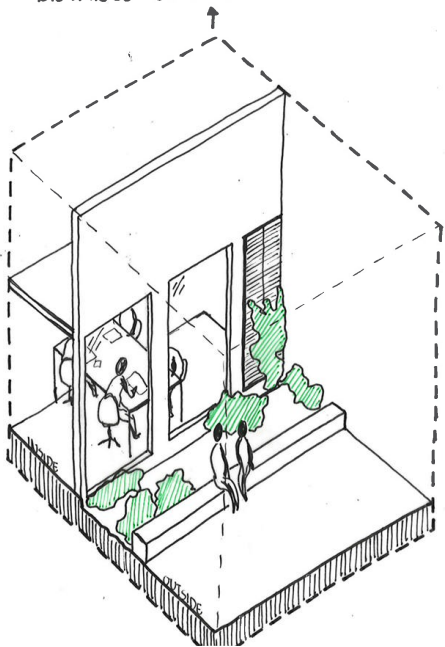


THE KB VISITOR

BETTER FOR DIFFERENT TYPOLOGY? (INSIDE-OUT?)
LITTLE VISUAL CONNECTION
NOT TOO MUCH DISTRACTION
GREEN
LOOK OUT TO TRANSITION 'POCKET'

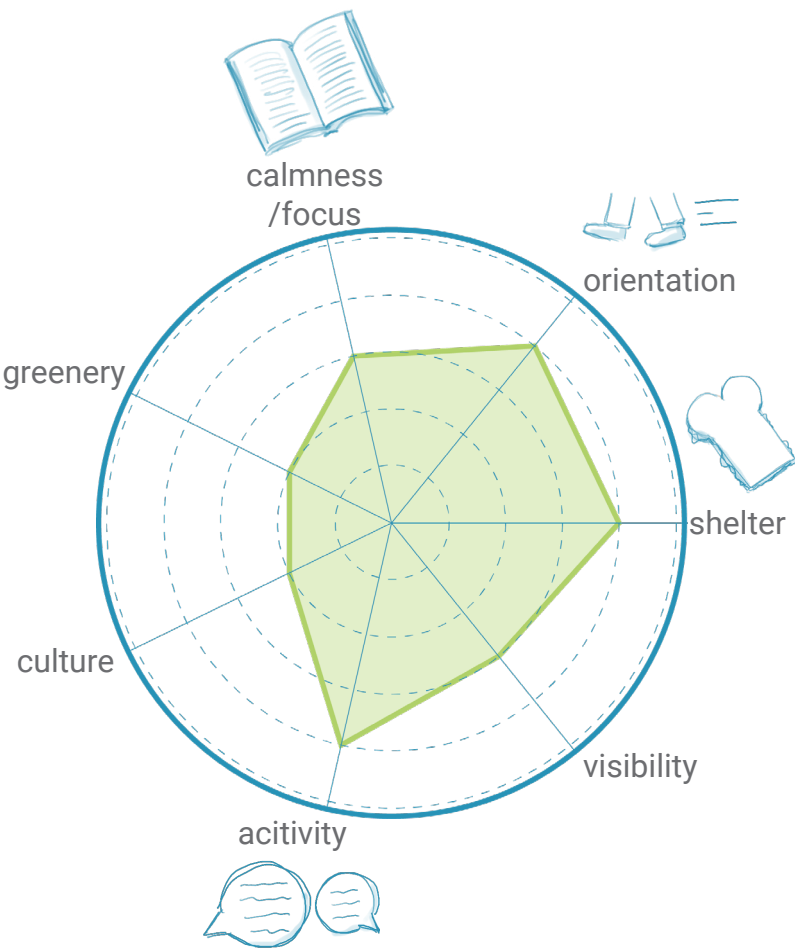


LOOK OUT TO GREEN
VISUAL CONNECTION
DISTANCE BETWEEN IN/OUT ✓

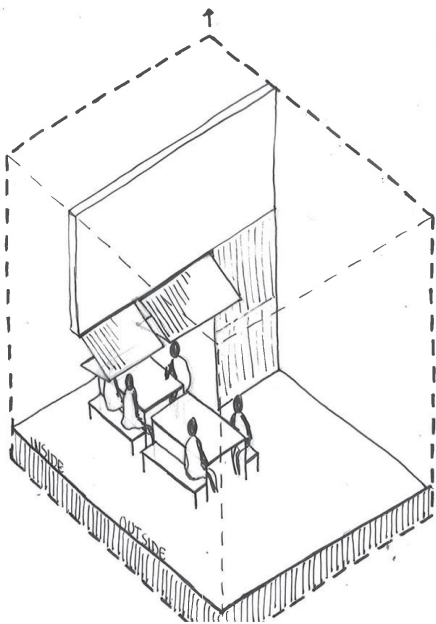
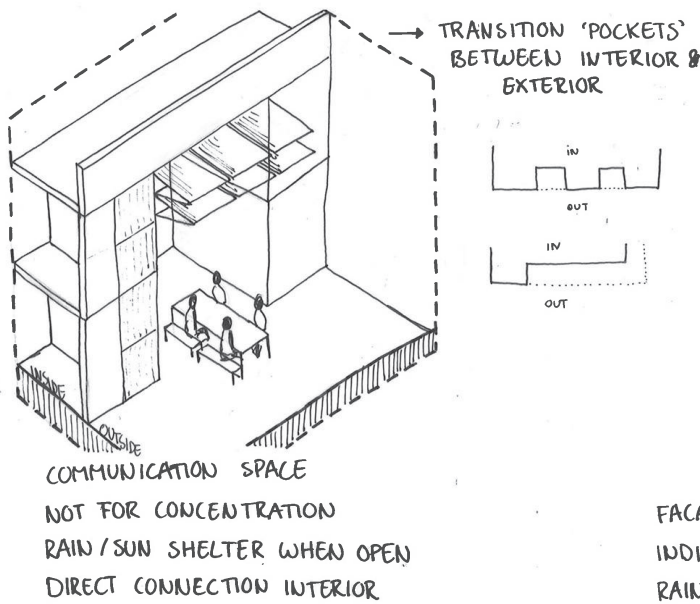


TPOLOGY NEEDS
facade patterns

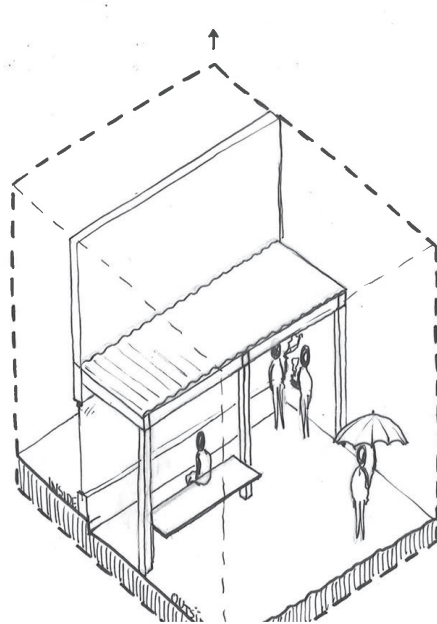
SEMI-PRIVATE



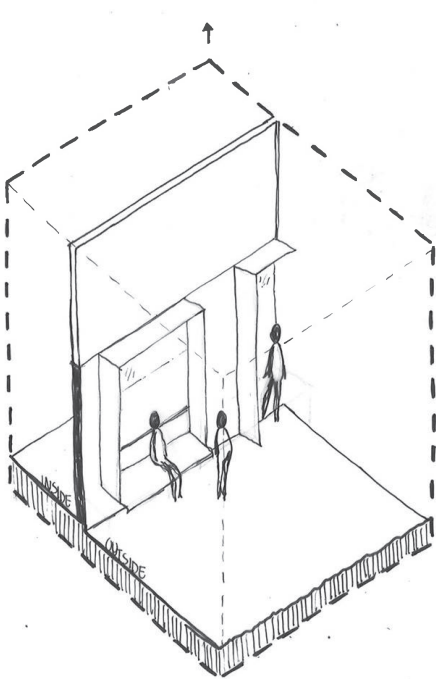
THE OFFICE WORKER



FACADE USE - SEATING
INDIRECT CONNECTION INTERIOR
RAIN / SUN SHELTER

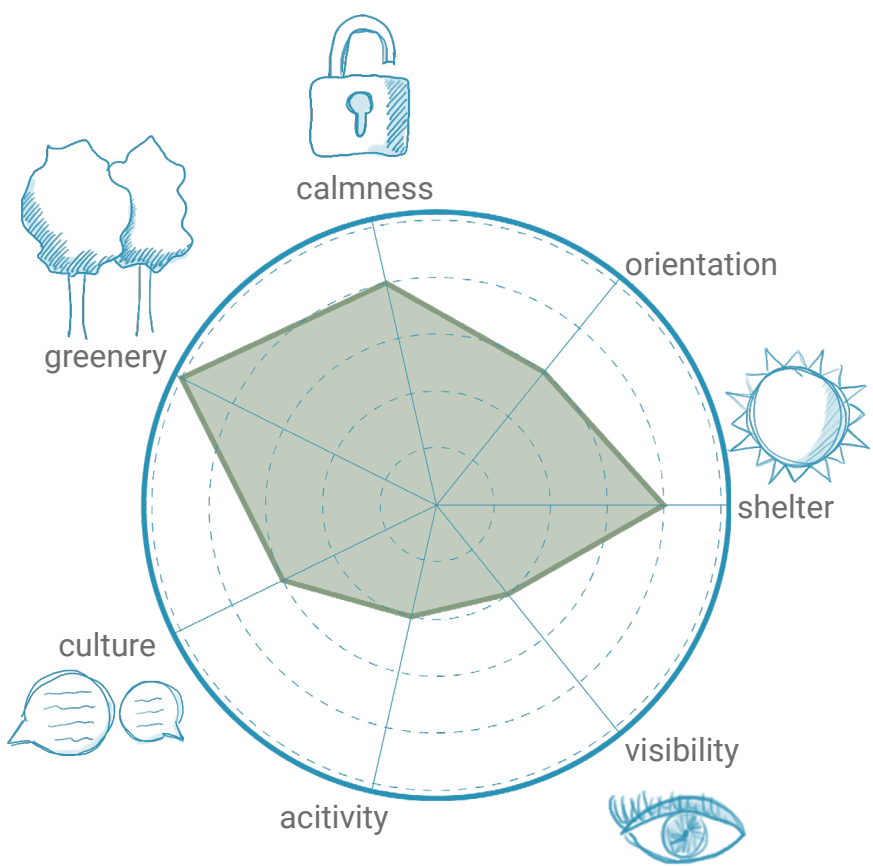


NOT FLEXIBLE - USE
WHAT IF INSIDE OUT?
NO RAIN / SUN SHELTER
FACADE USE - SEATING



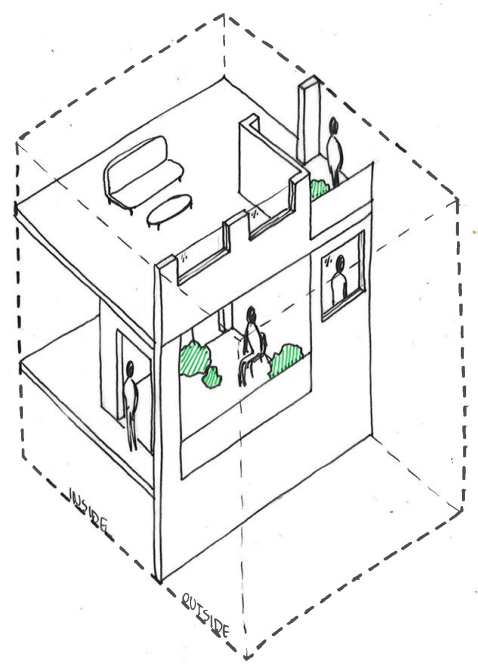
TPOLOGY NEEDS
facade patterns

PRIVATE
(OUTSIDE-IN)

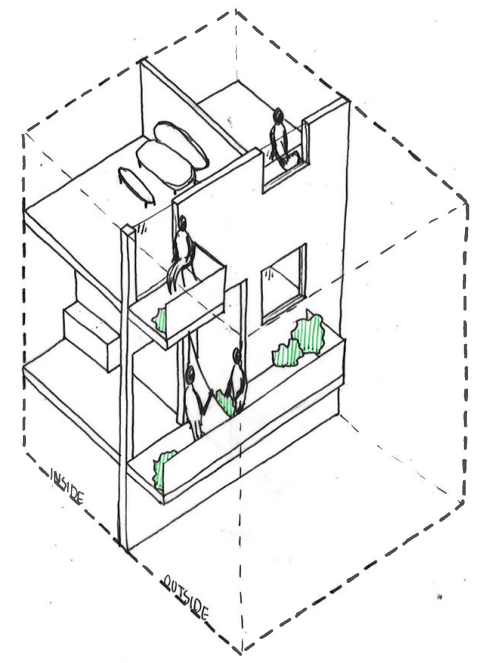


THE RENTER

LESS RAIN , BUT LESS SUN...
SHELTERED BALCONIES
INWARD
MEDIUM ACTIVITY AT STREET FACADE
SHARED BALCONY - ONLY DIRECT NEIGHBOUR
FACADE INCISIONS - POCKET BALCONIES

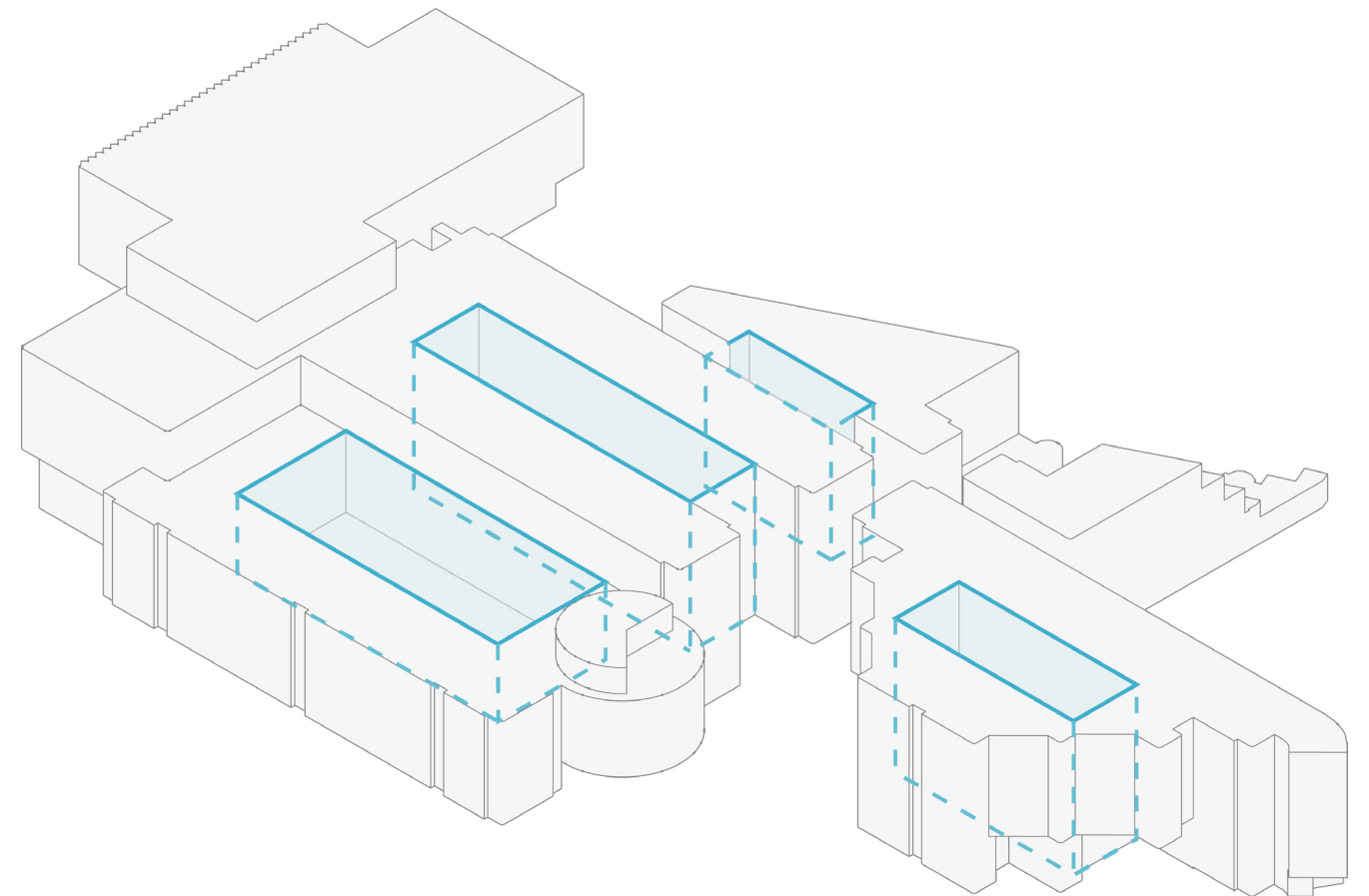
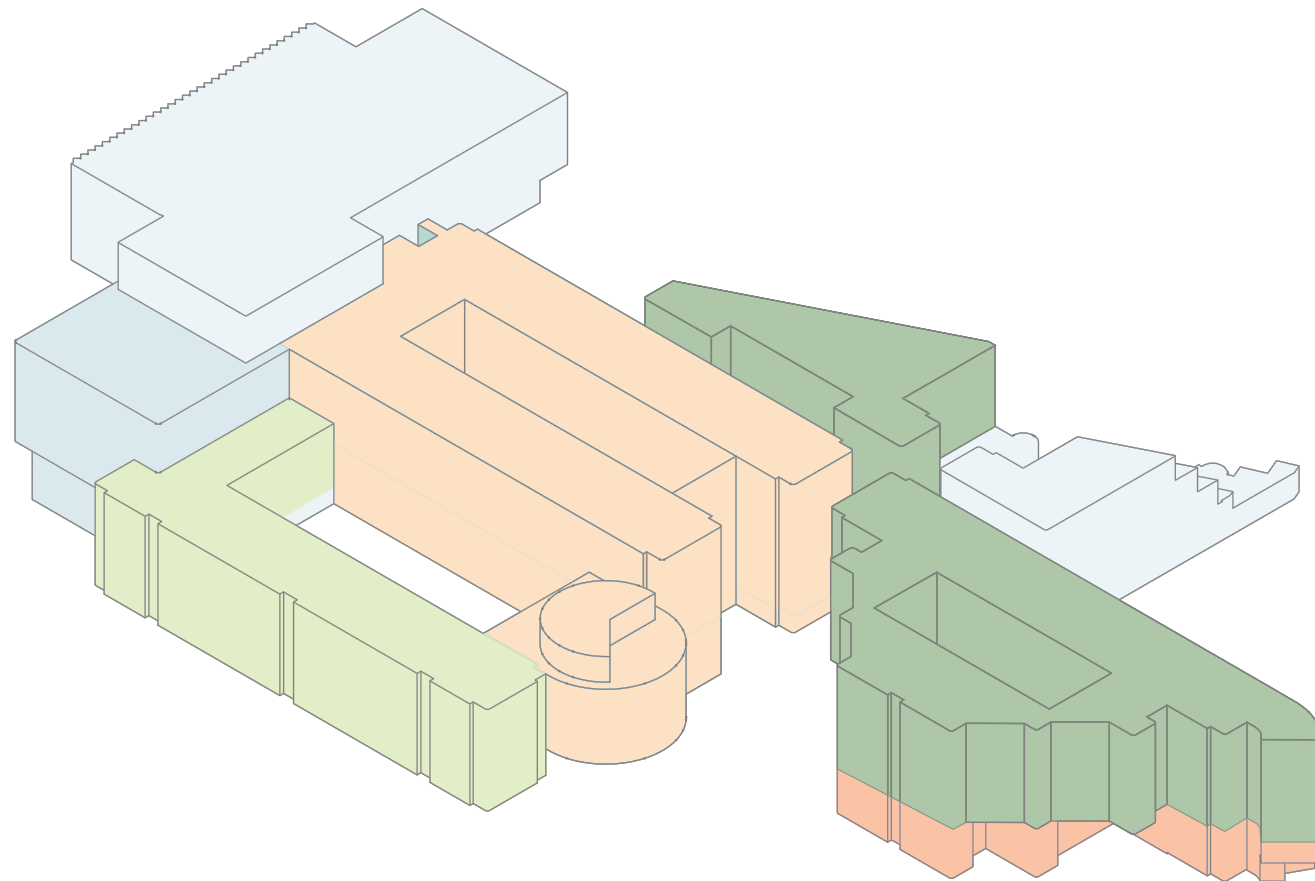


ACTIVITY AT STREET FACADE
SHARED BALCONY - ONLY DIRECT NEIGHBOUR



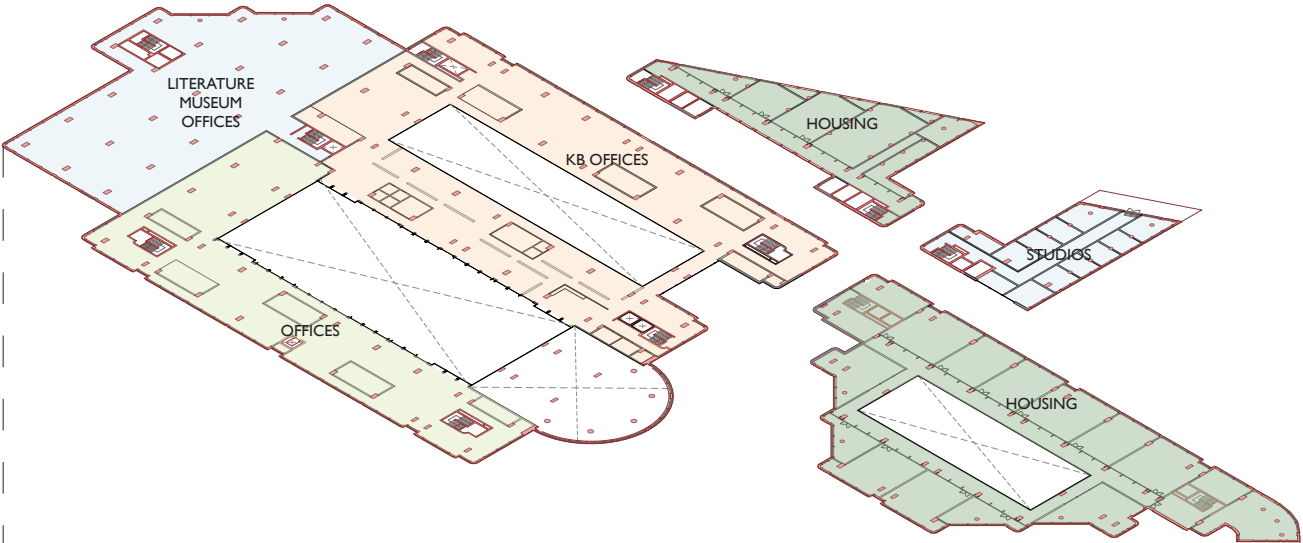
BUILDING MASTERPLAN

interventions

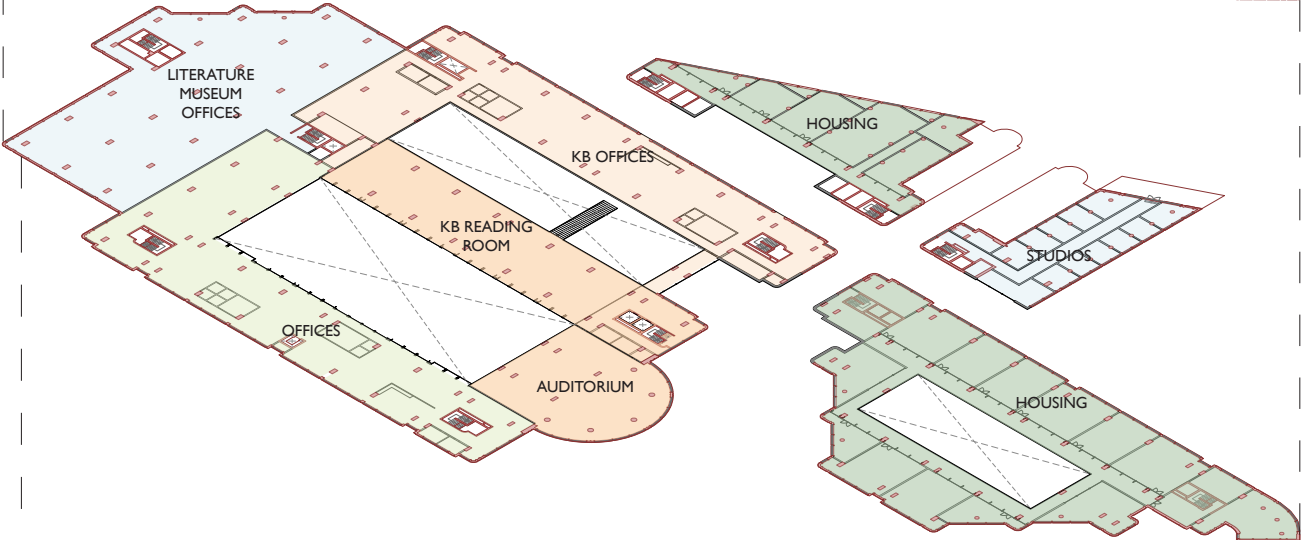


BUILDING MASTERPLAN
typologies

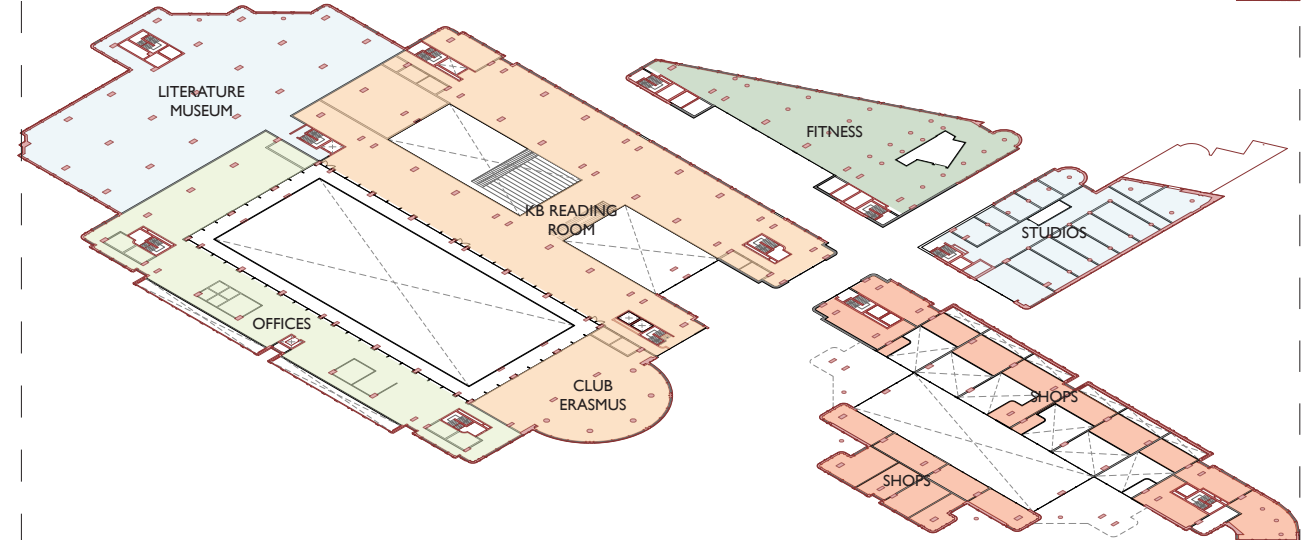
FLOOR 3



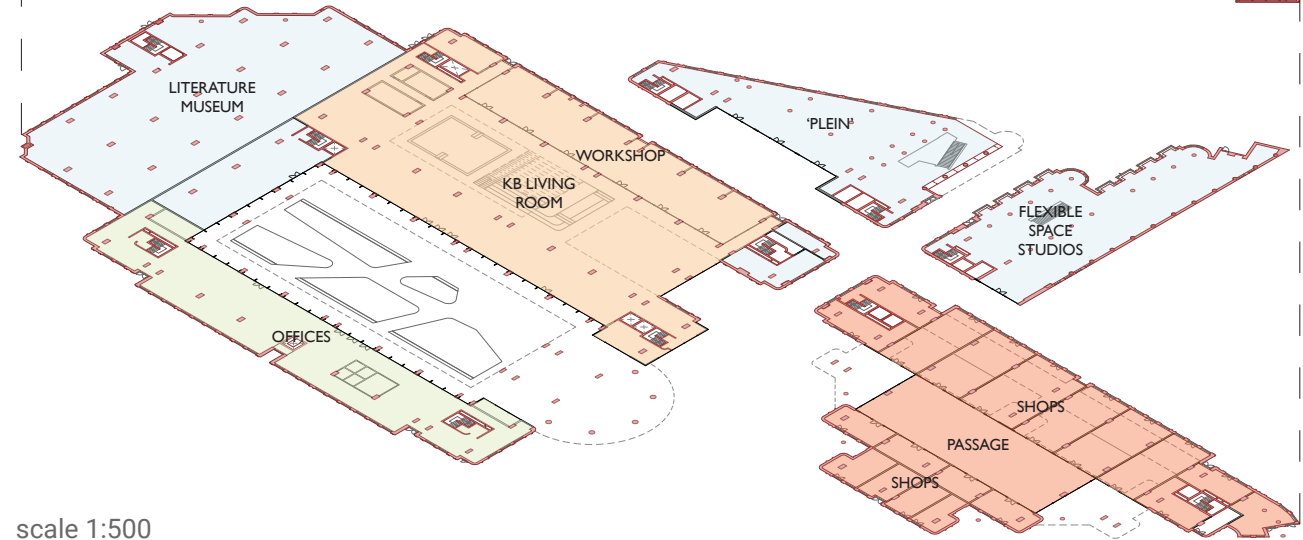
FLOOR 2



FLOOR 1



FLOOR 0



- THE PASSER-BY
- THE KB VISITOR
- THE OFFICE WORKER
- THE RENTER
- THE KB OFFICE WORKER
- CULTURAL FUNCTIONS

scale 1:500

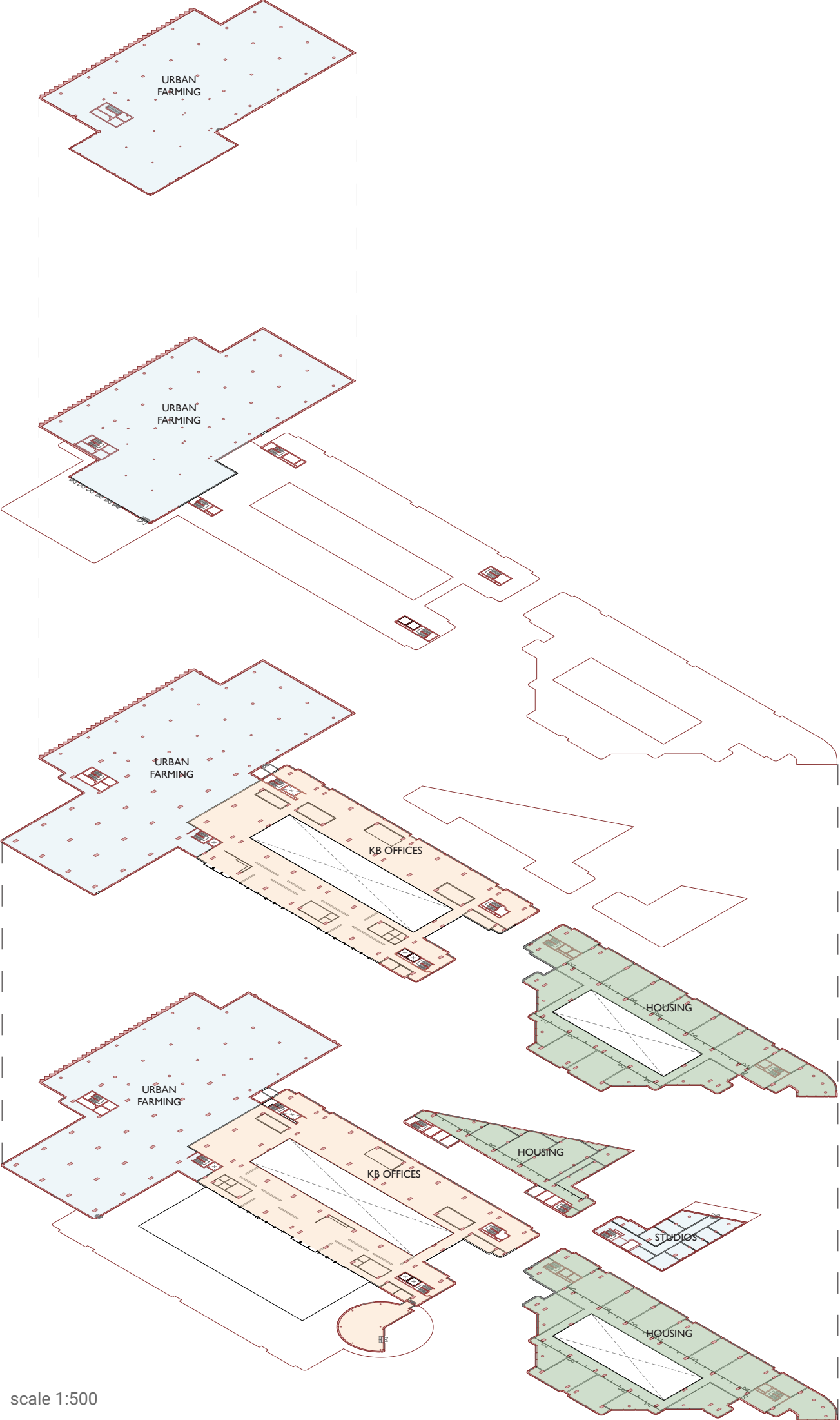
BUILDING MASTERPLAN
typologies

FLOOR 7

FLOOR 6

FLOOR 5

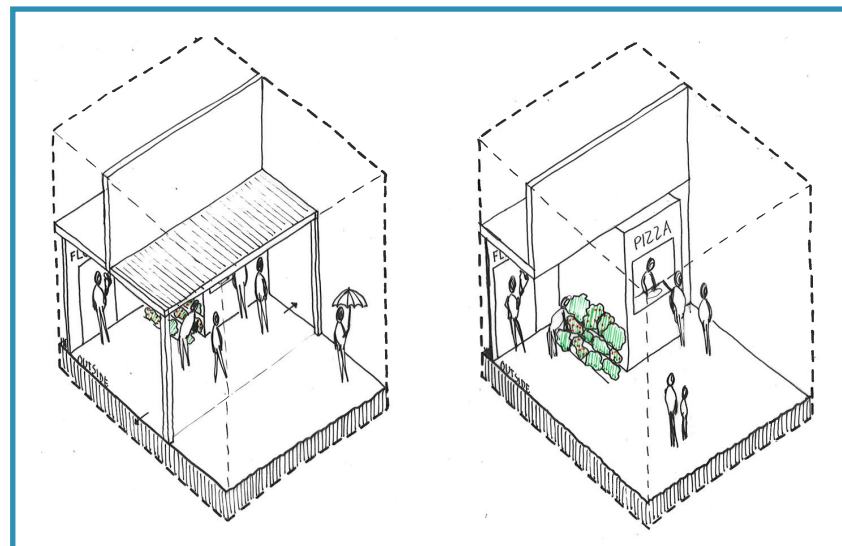
FLOOR 4



- THE PASSER-BY
- THE KB VISITOR
- THE OFFICE WORKER
- THE RENTER
- THE KB OFFICE WORKER
- CULTURAL FUNCTIONS

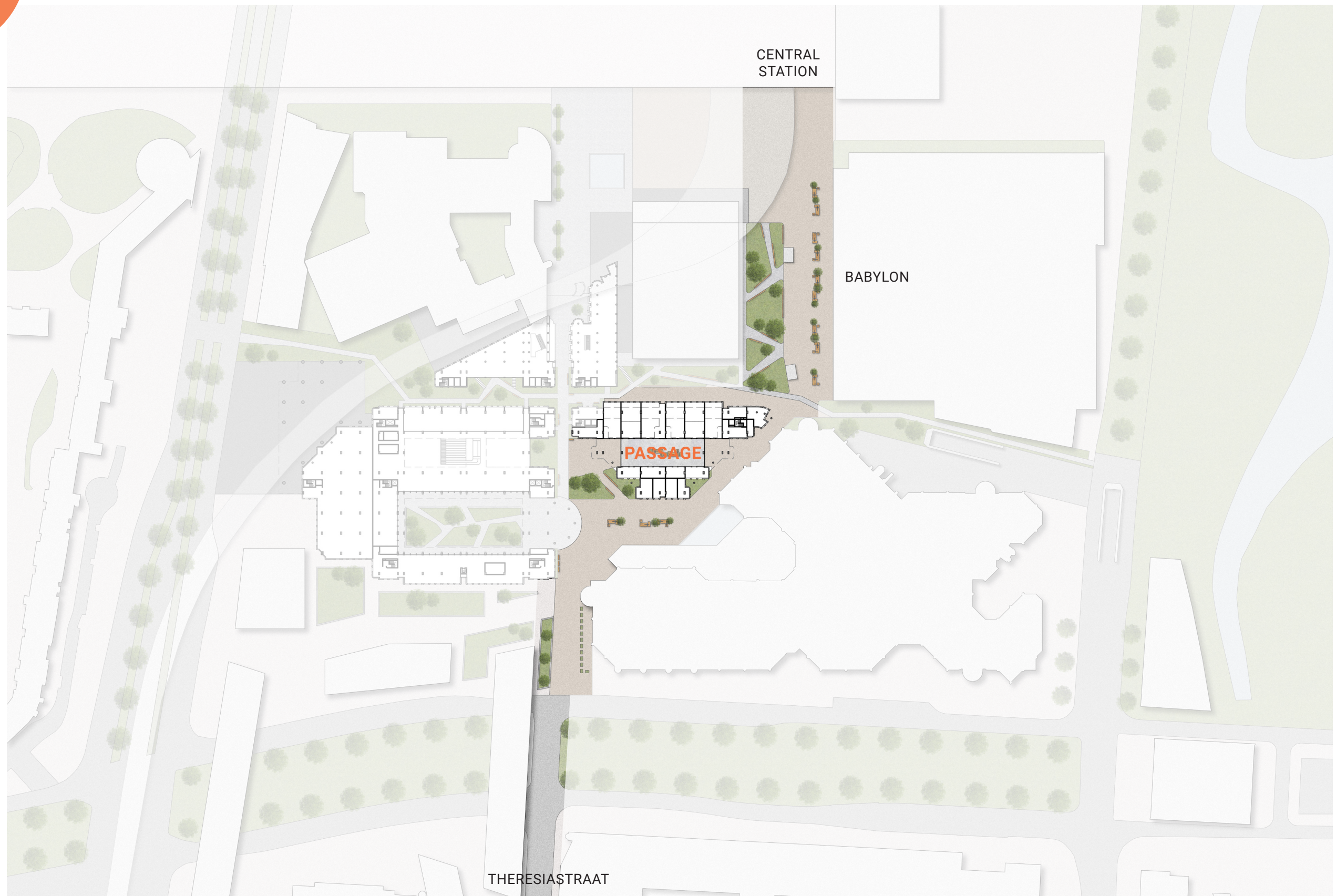


scale 1:2000





PASSER-BY ROUTE



scale 1:2000



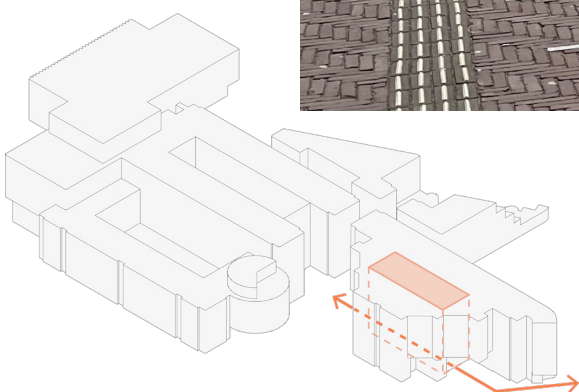
ORIENTATION

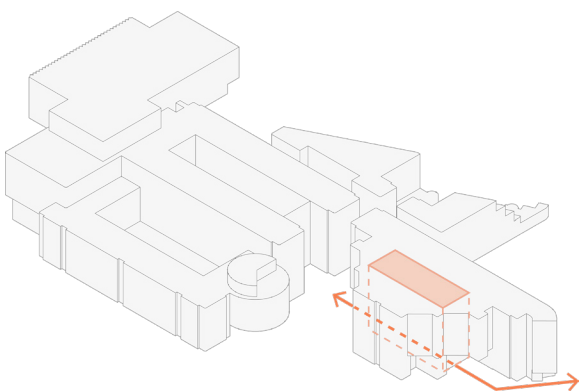


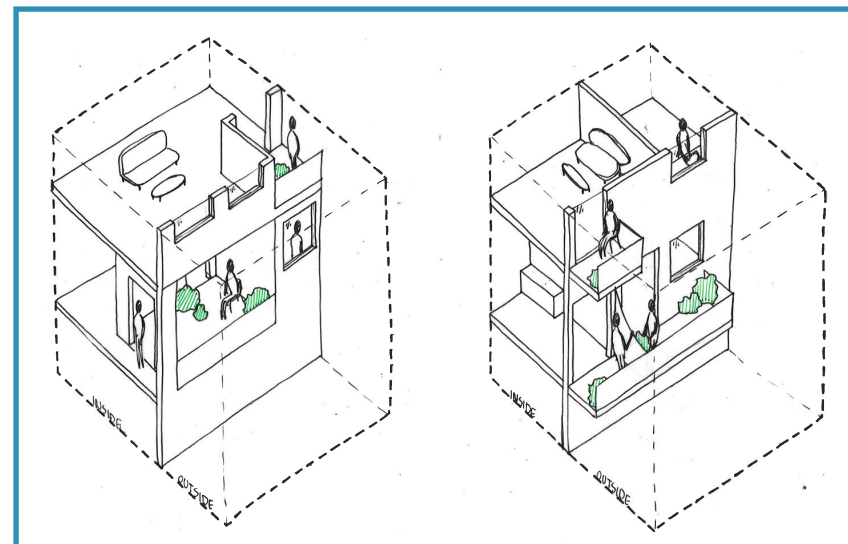
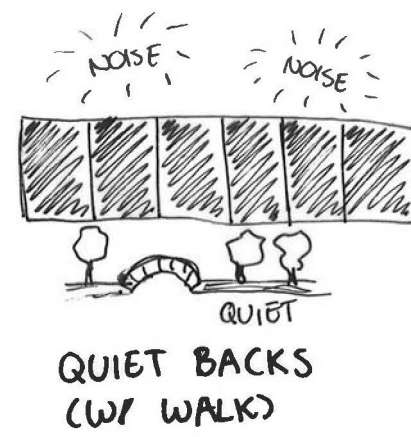
VISION TO INSIDE



ACTIVITY

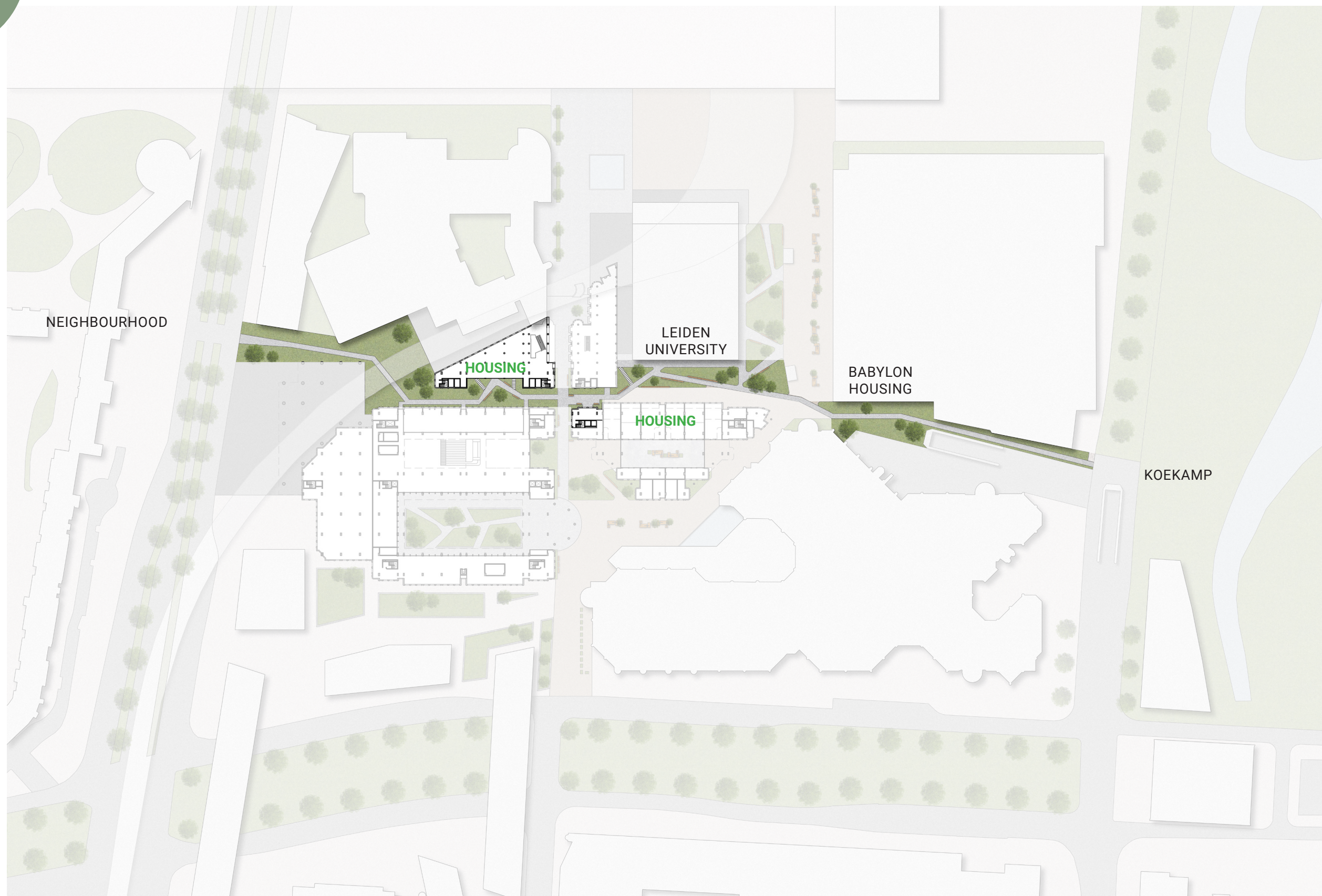








RENTER ROUTE



scale 1:2000



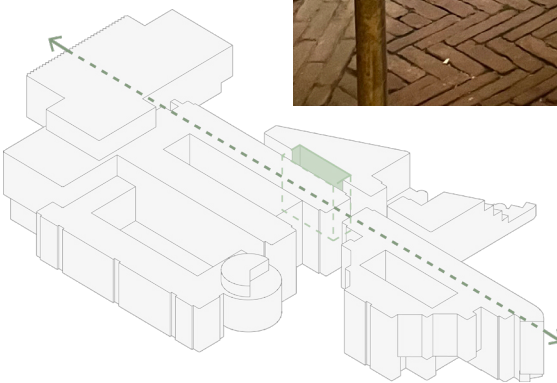
GREEN SPACES

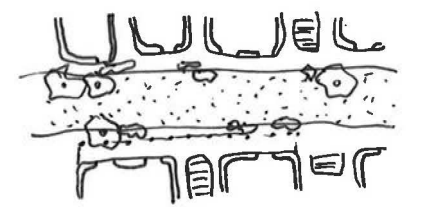


VISION TO OUTSIDE



COMMUNITY





PEDESTRIAN STREETS



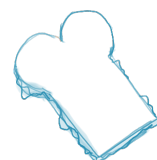
OFFICE WORKER ROUTE



scale 1:2000



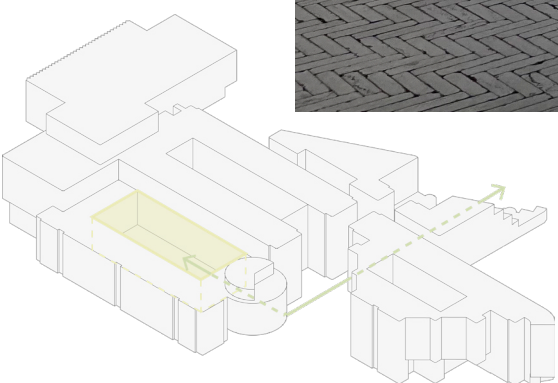
FAST-PACED

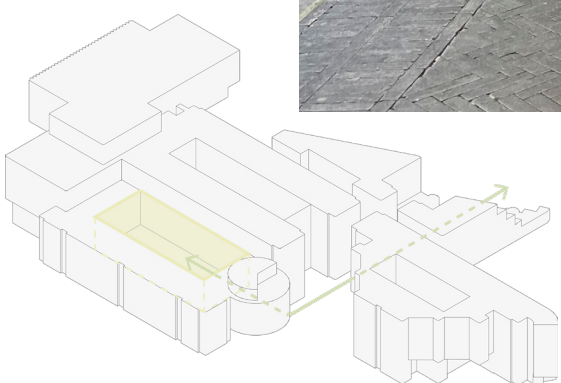


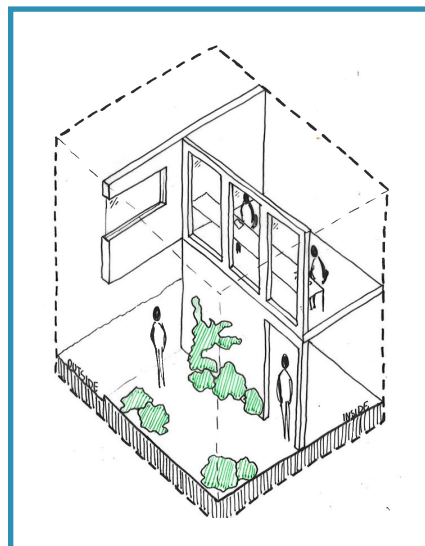
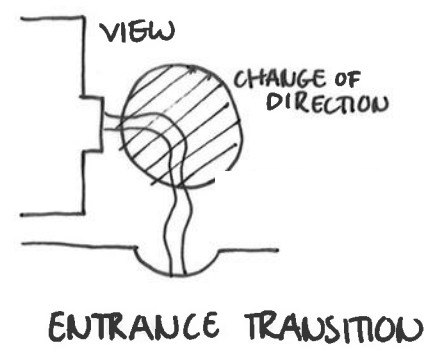
BREAK SPACE



ACTIVITY

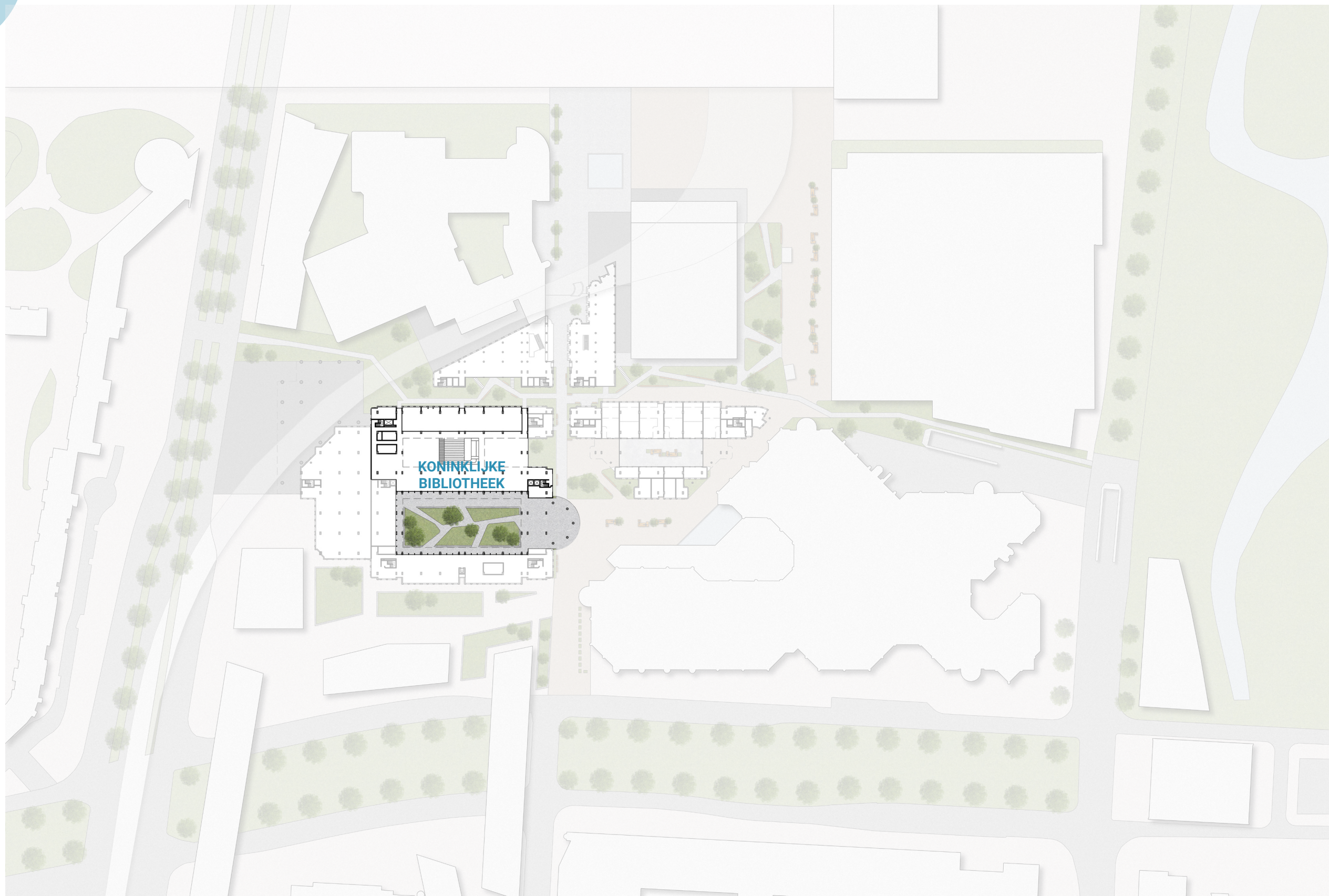








KB VISITOR ROUTE



scale 1:2000



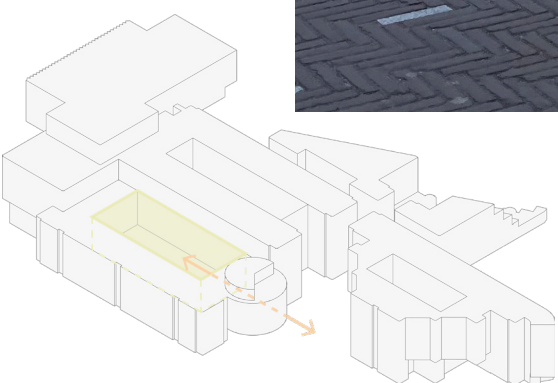
ORIENTATION

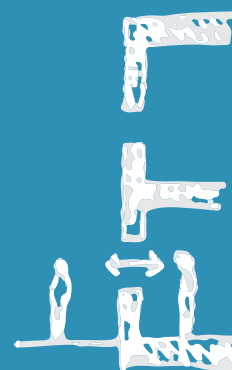


CULTURE

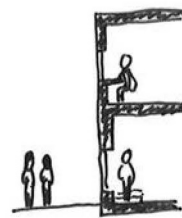


ACTIVITY





BUILDING EDGE



STREET WINDOWS
(W/ ACTIVITIES INSIDE)

ENTRANCE FACADE

existing



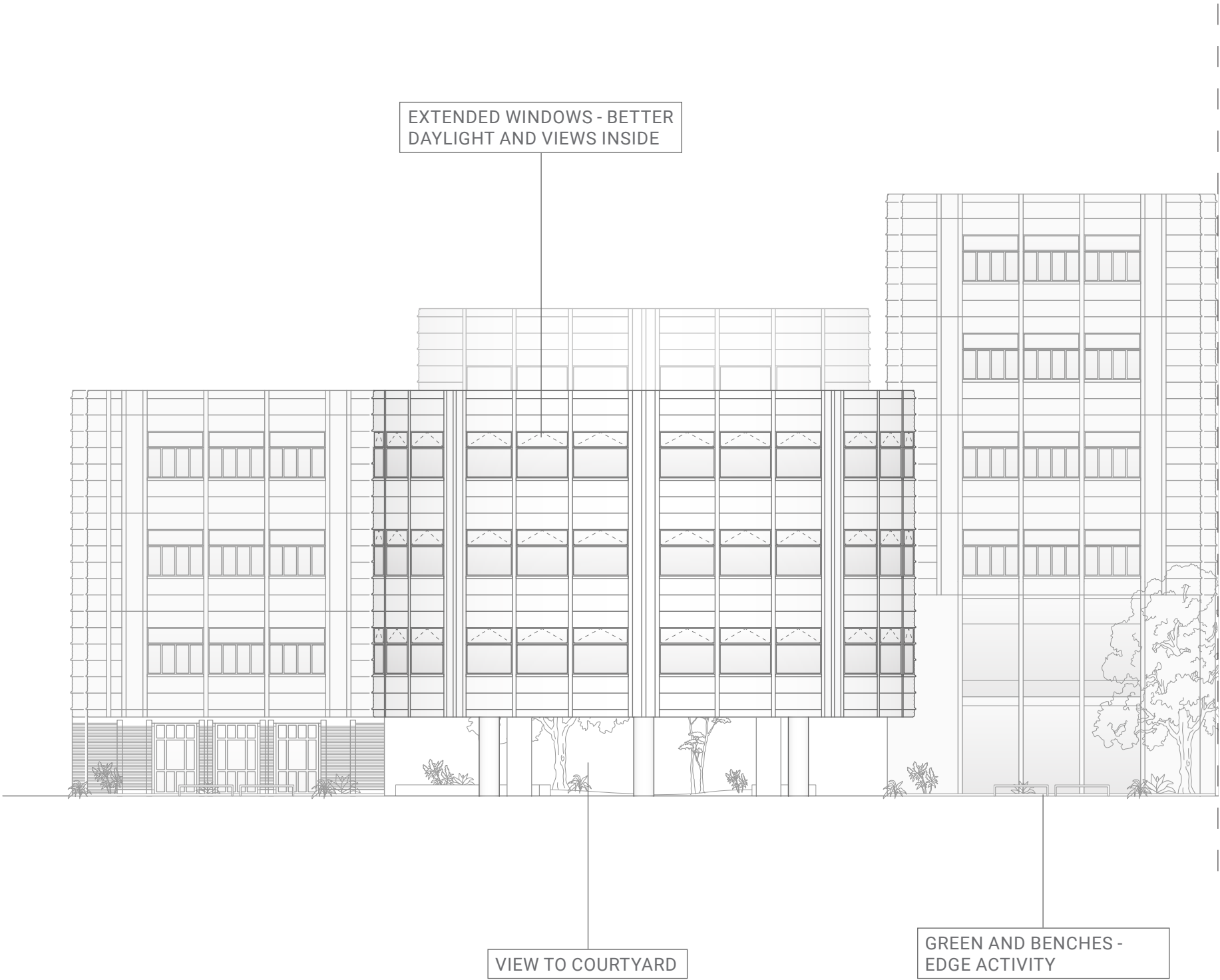
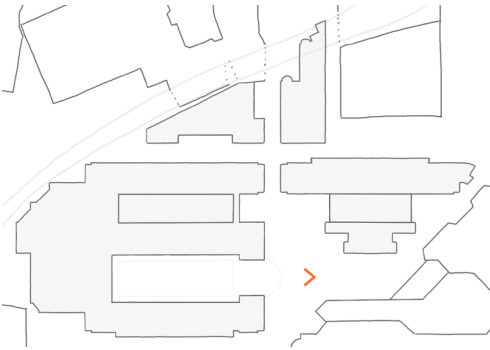
- DEMOLISH
- KEEP



scale 1:200

ENTRANCE FACADE

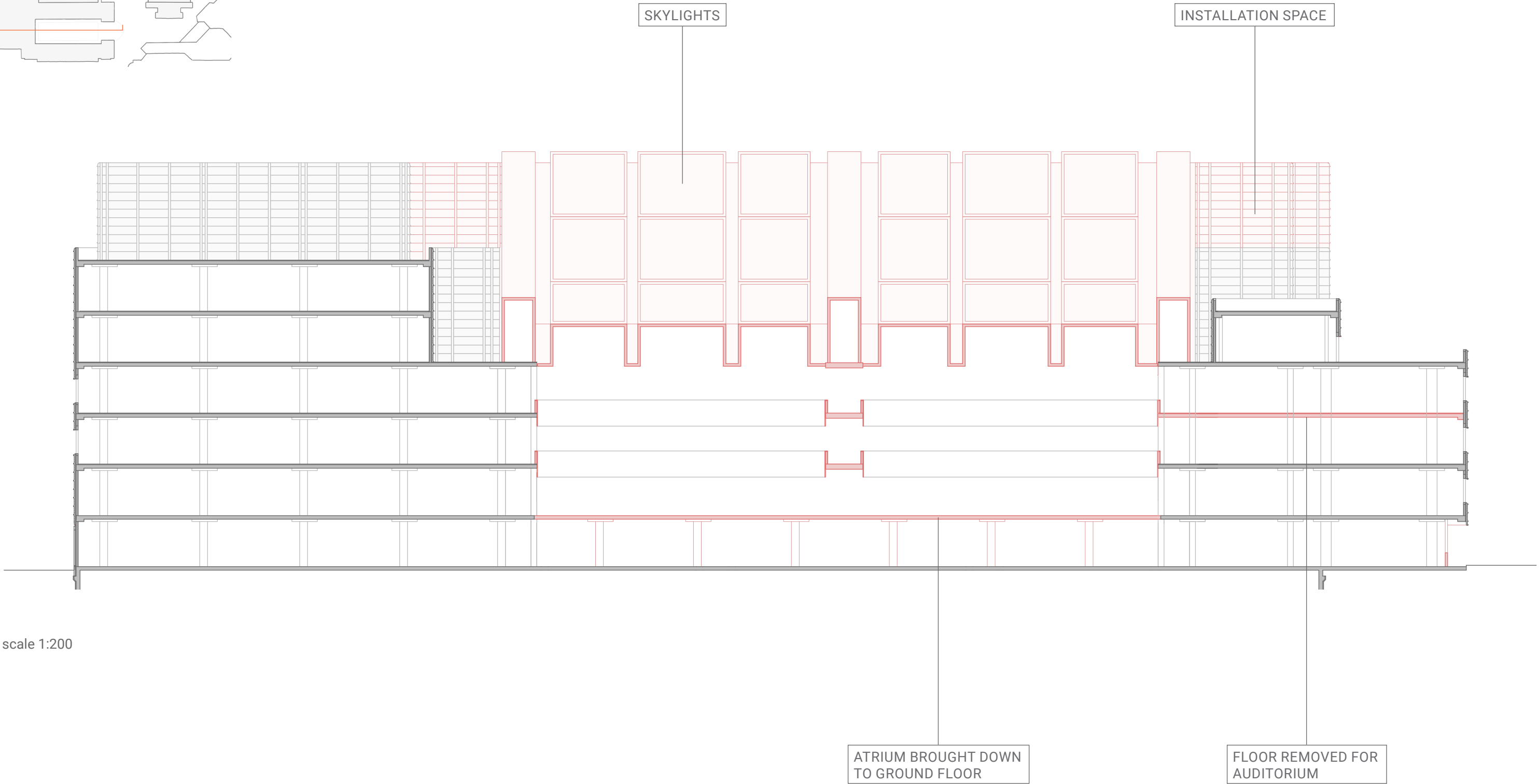
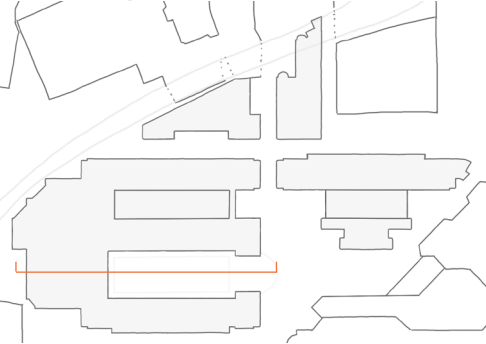
new



scale 1:200

SECTION AA'
through entrance and courtyard

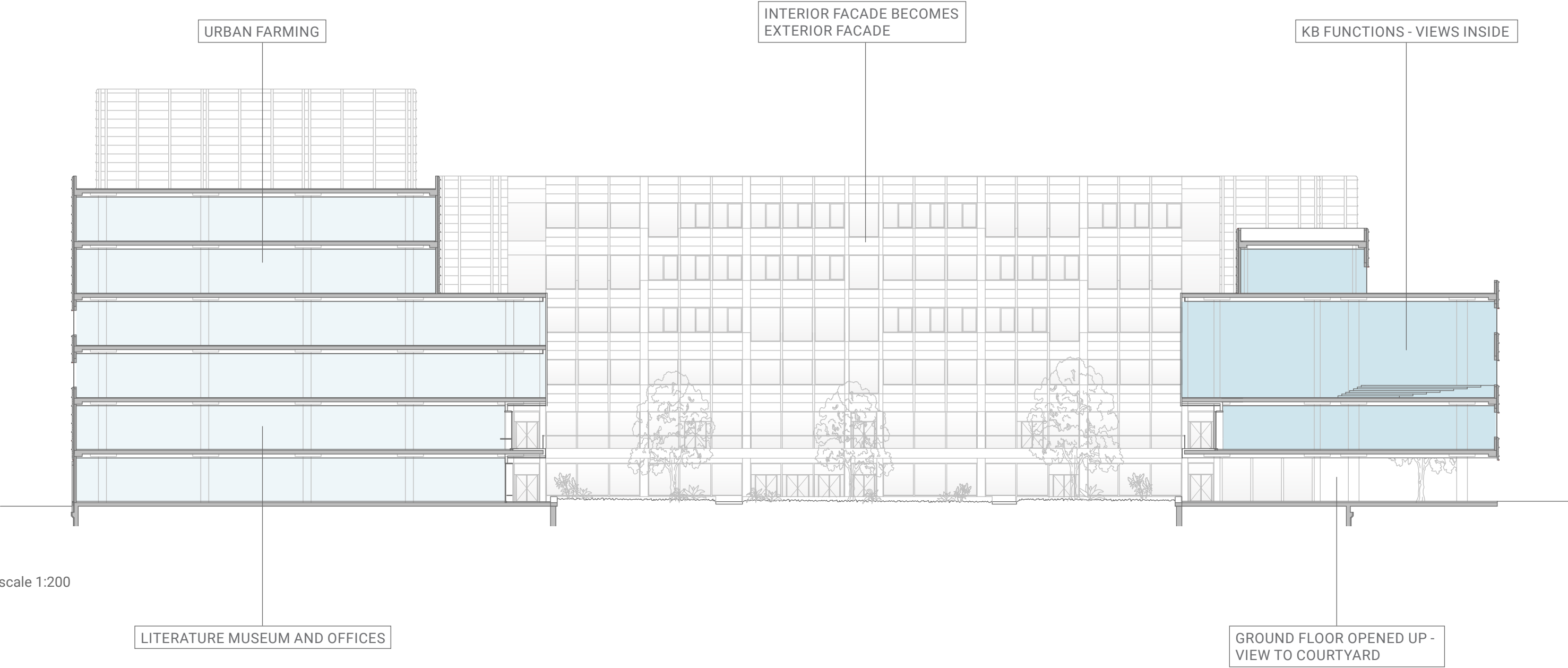
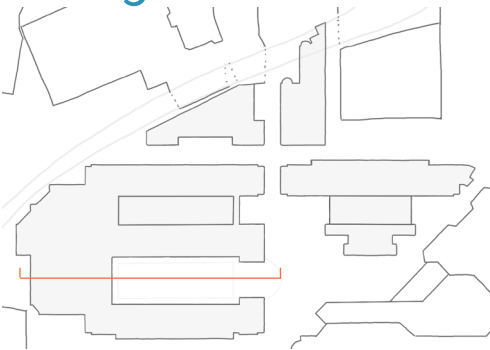
DEMOLISH
KEEP

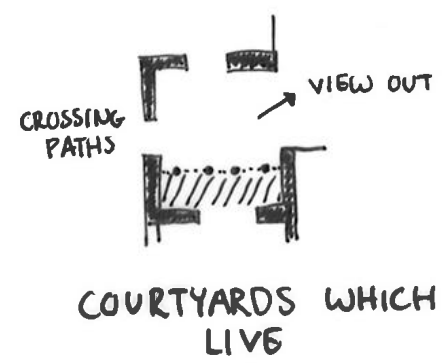


scale 1:200

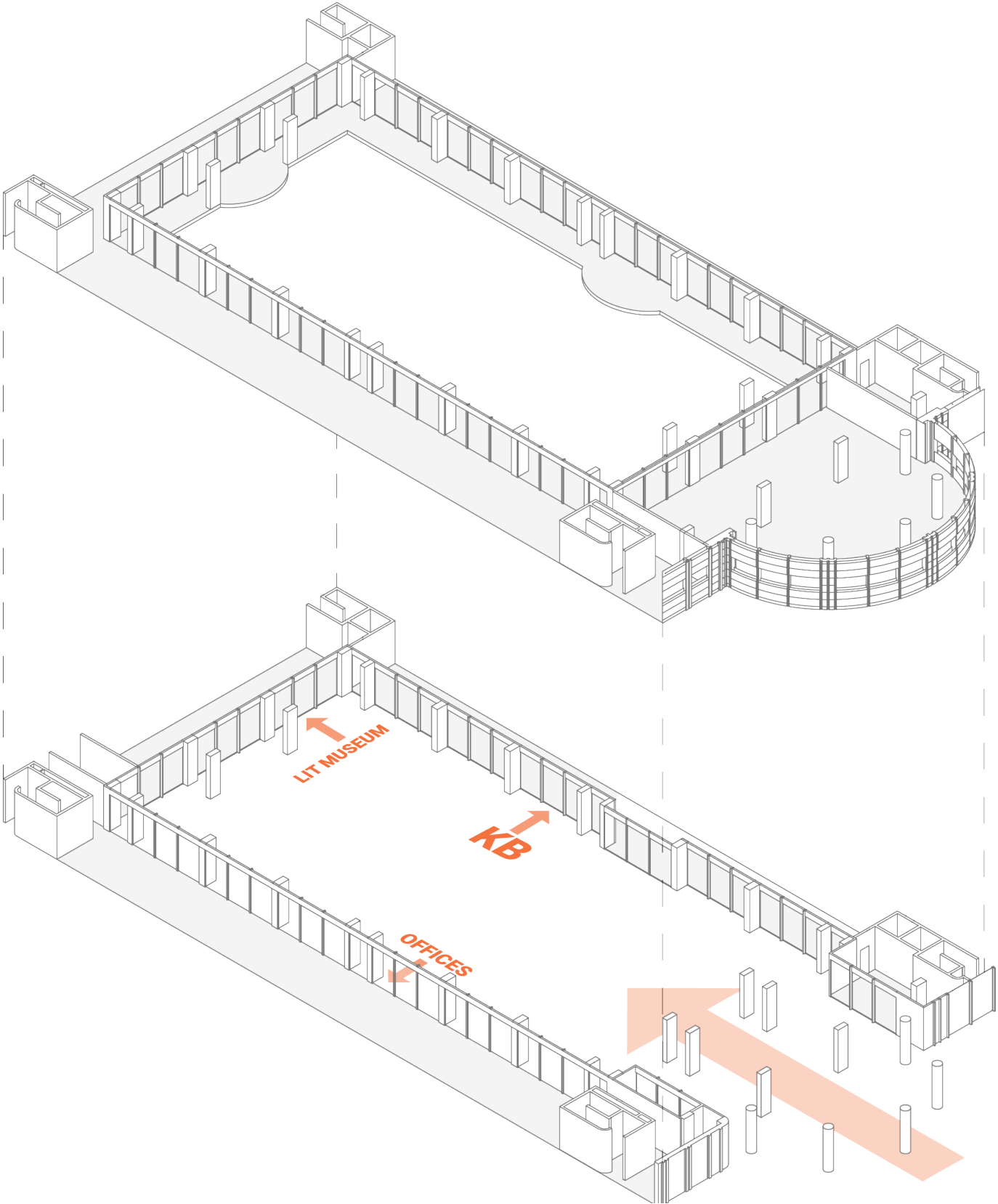
SECTION AA'
through entrance and courtyard

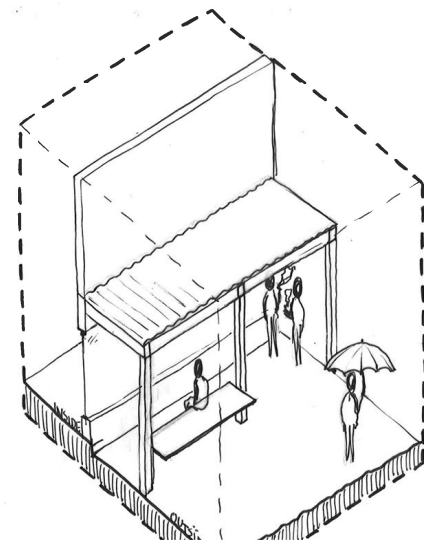
- KB FUNCTIONS
- CULTURAL FUNCTIONS





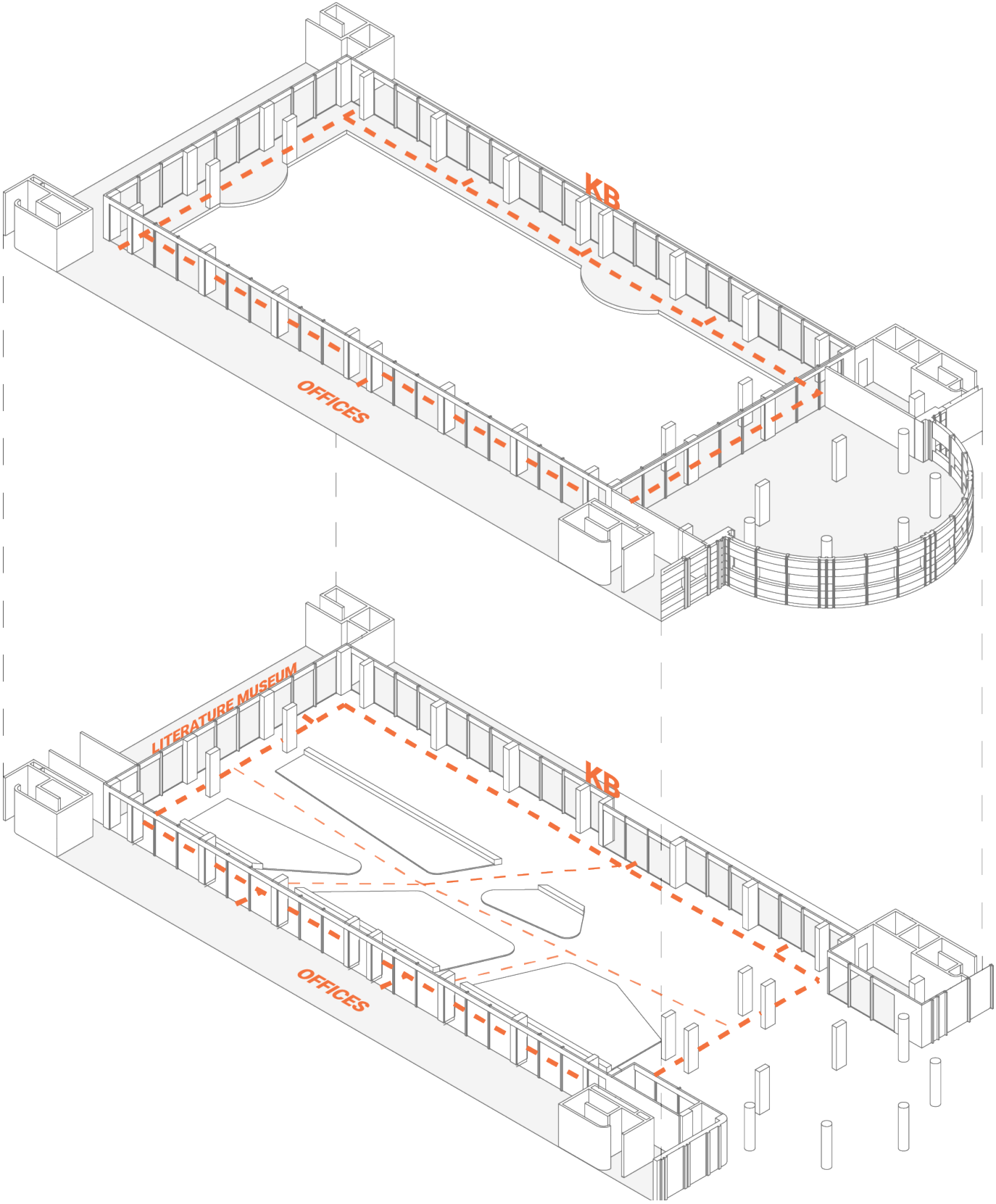
COURTYARD STRATEGY
entrances



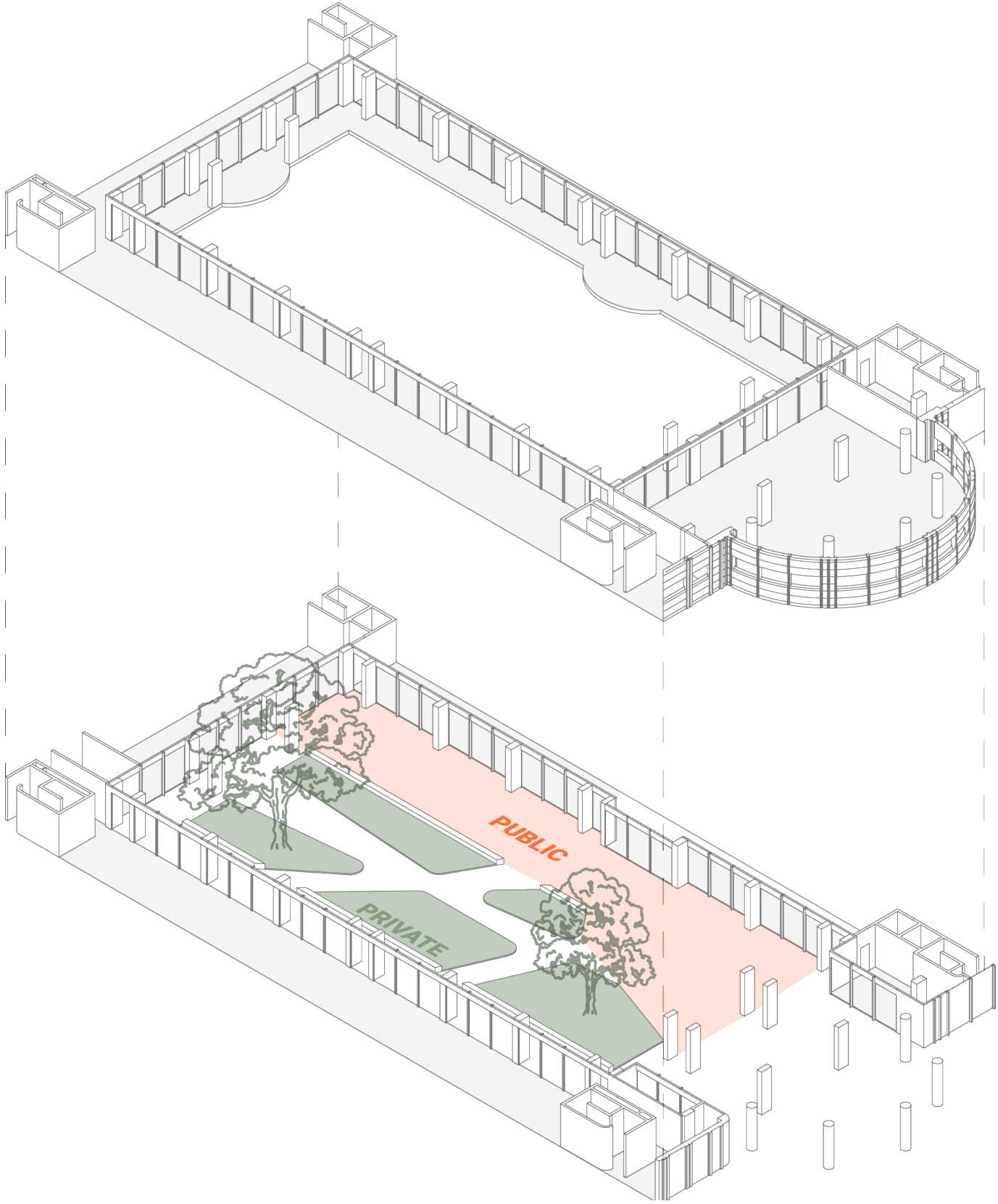


ARCADE

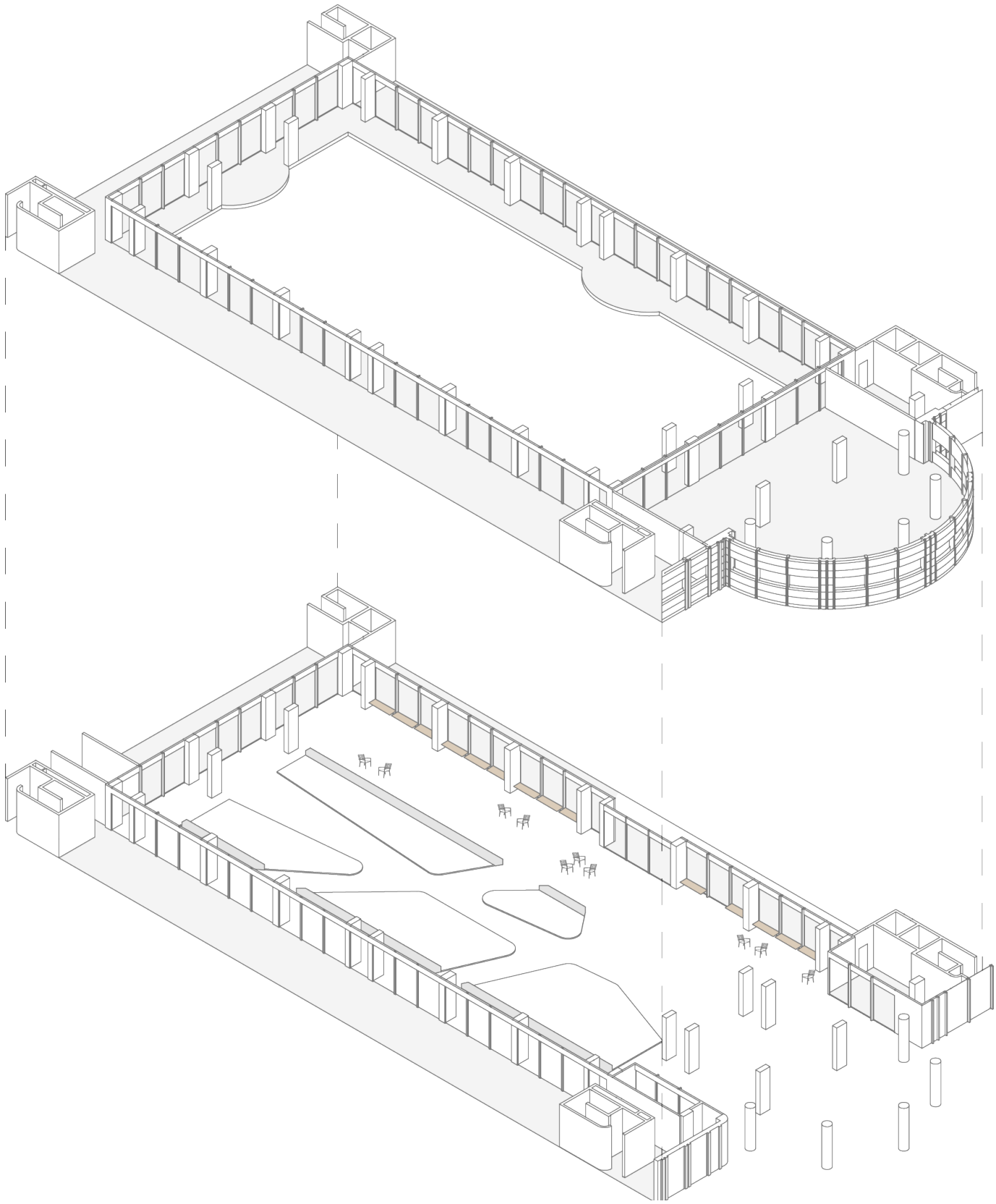
COURTYARD STRATEGY
circulation



COURTYARD STRATEGY
green vs paved



COURTYARD STRATEGY
furniture



LANDSCAPE EDGE SEATING



MOVEABLE FURNITURE



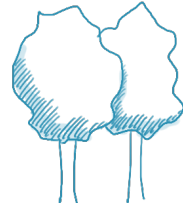
SEMI-FLEXIBLE SEATING



VISION



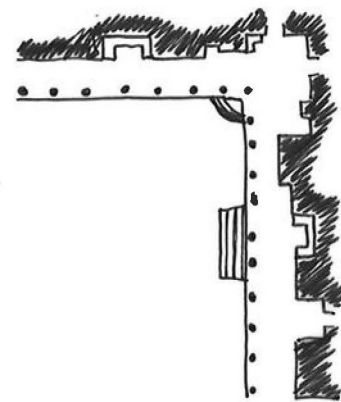
SHELTER



GREENERY

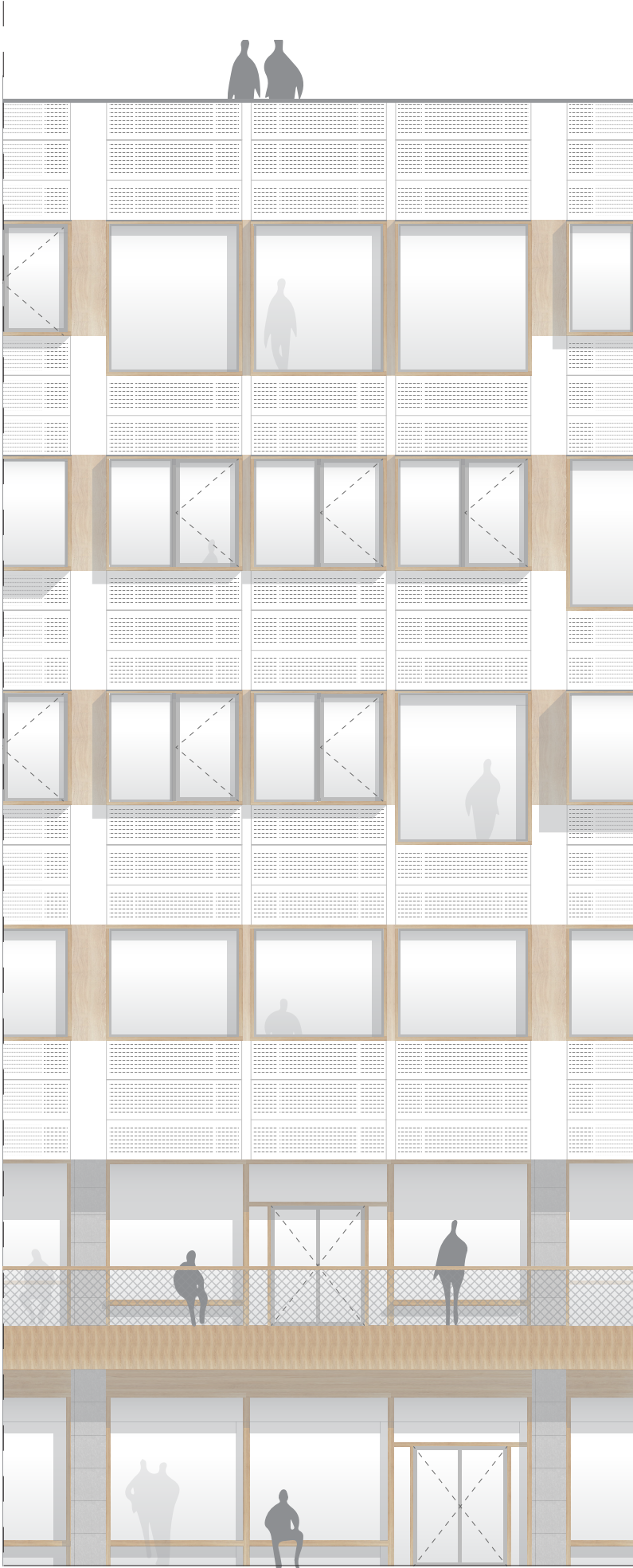
COURTYARD
at night



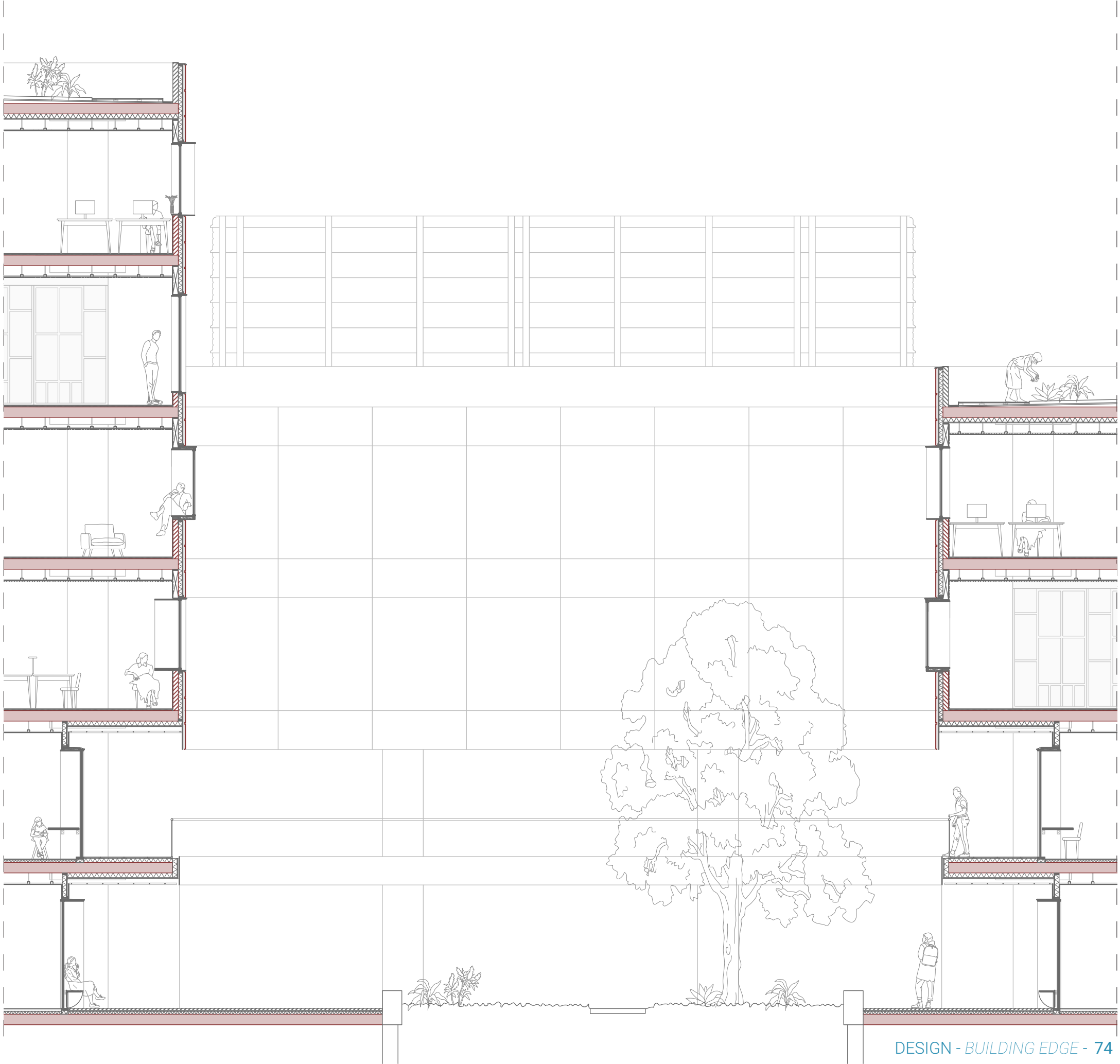


BUILDING EDGE
(COVER, SIT, LEAN, WALK,
INVITE PEOPLE TO STOP)

COURTYARD FACADE



scale 1:20, reduced to 1:100

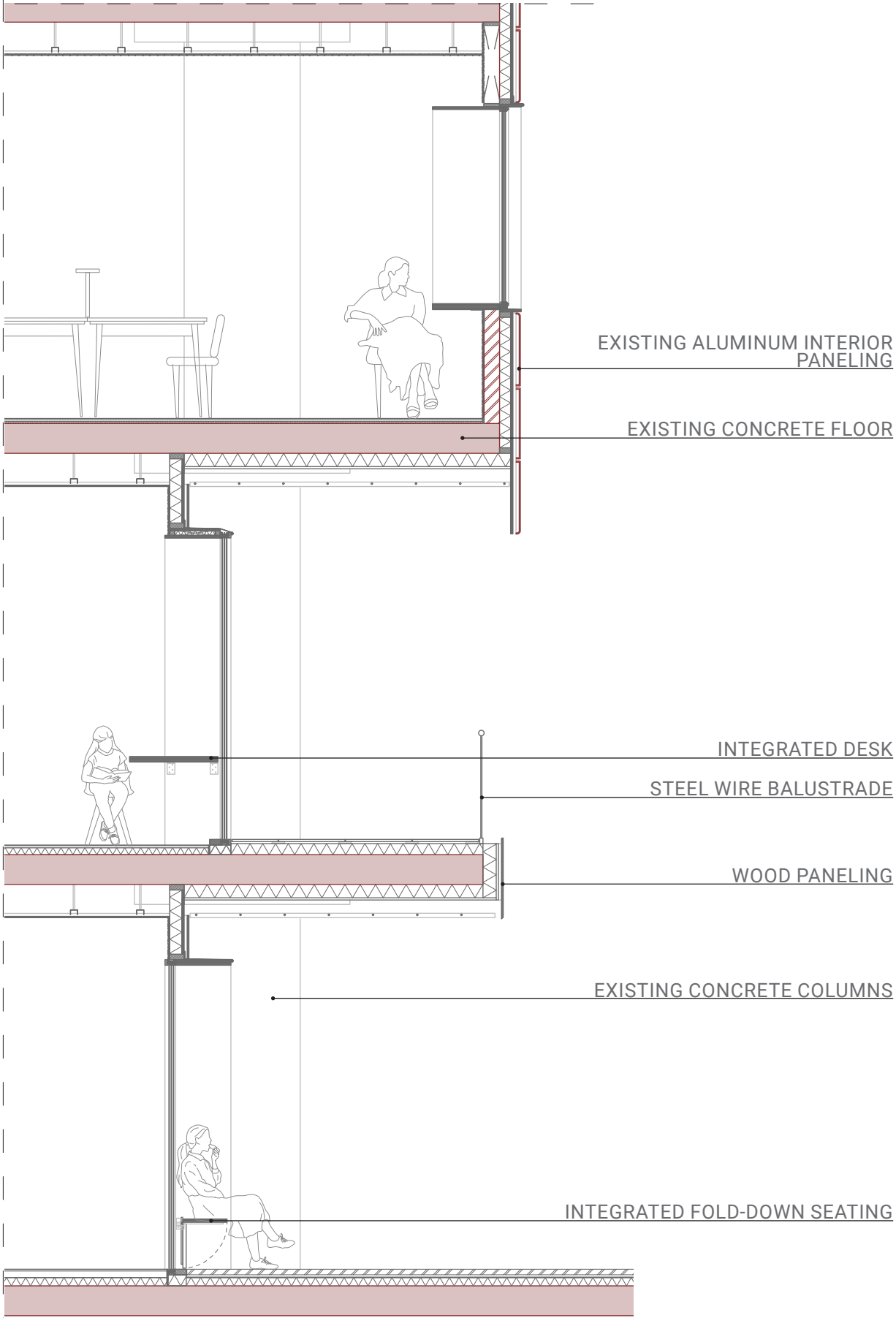


COURTYARD LOWER FACADE

fragment



scale 1:20,
reduced to 1:50



COURTYARD

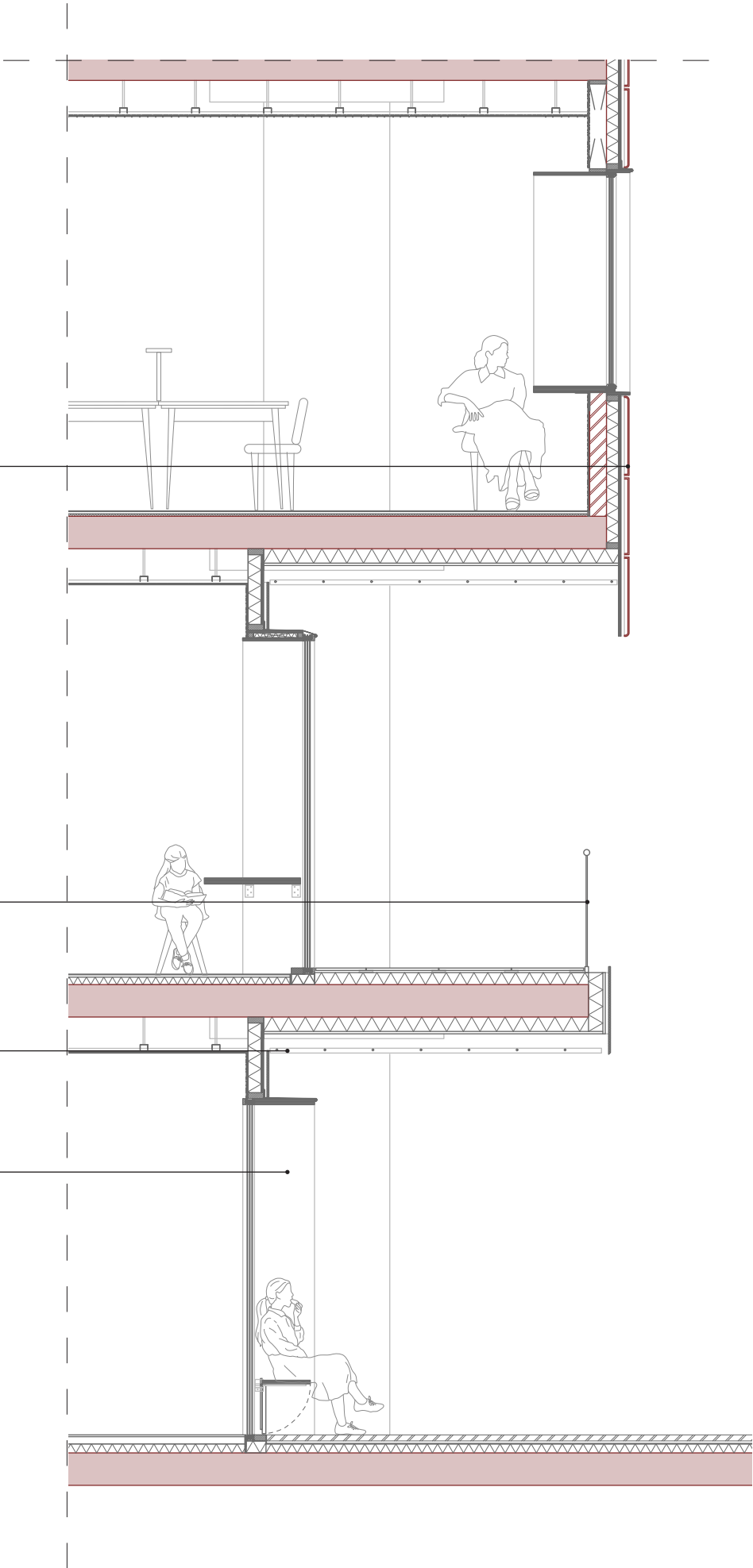
materials

- EXISTING INTERIOR ALUMINIUM PANELS**
- PERFORATED for ACOUSTIC COMFORT
 - REUSED AND LEFT WHITE for HERITAGE ASPECTS

- MESH BALUSTRADE**
- VISUAL CONNECTION with GROUND FLOOR
 - TIMBER HANDRAIL for COMFORT

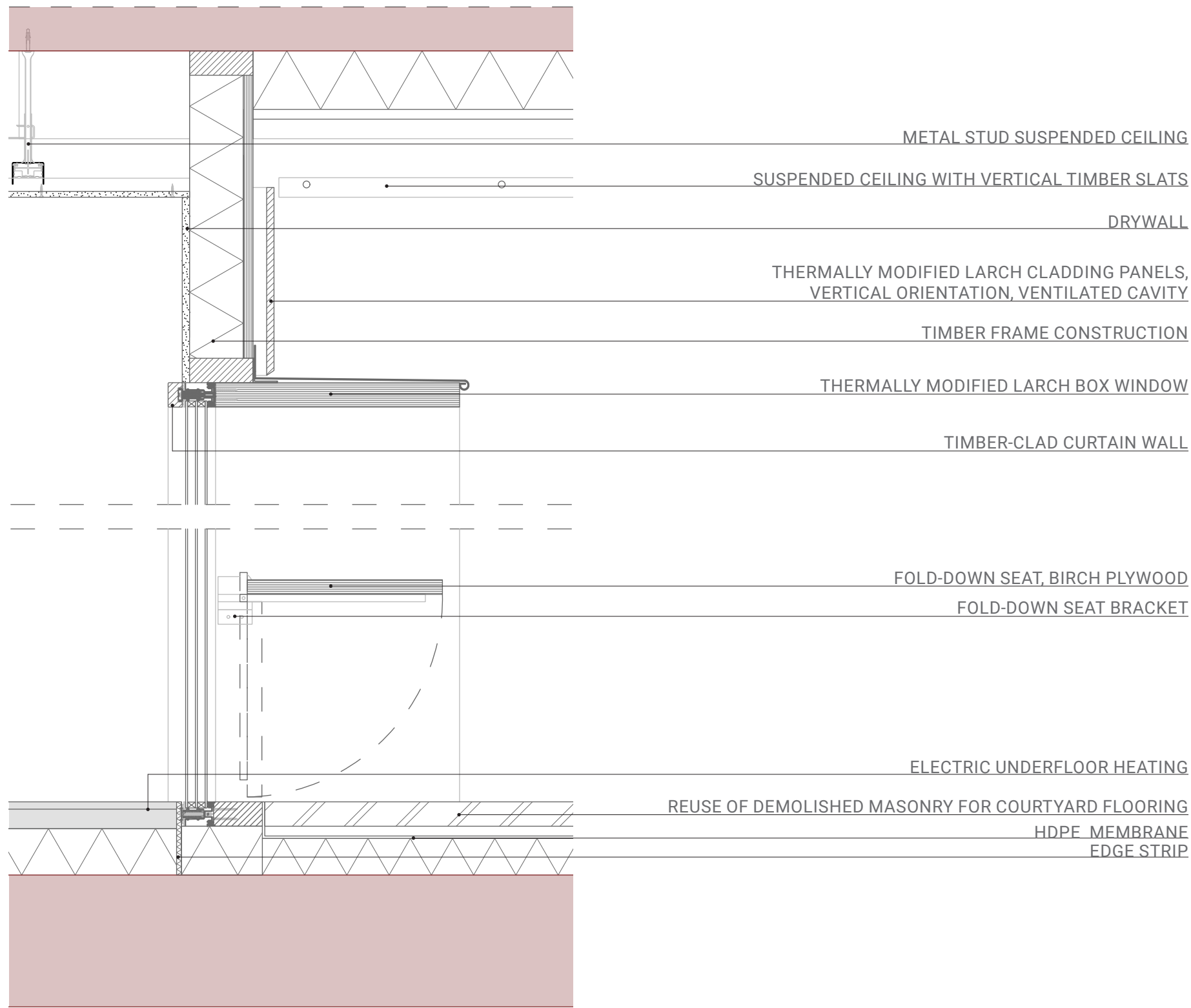
- TIMBER SLAT CEILING**
- INTEGRATED LIGHTS for SAFETY AND ATTRACTION
 - WARM MATERIAL for COMFORT

- TIMBER BOX WINDOW CONSTRUCTION**
- VISUAL CONTRAST to EXISTING FACADE
 - VERTICAL LINES for HUMAN SCALE
 - DEPTH for LINGERING
 - WARM MATERIAL for COMFORT



COURTYARD LOWER FACADE

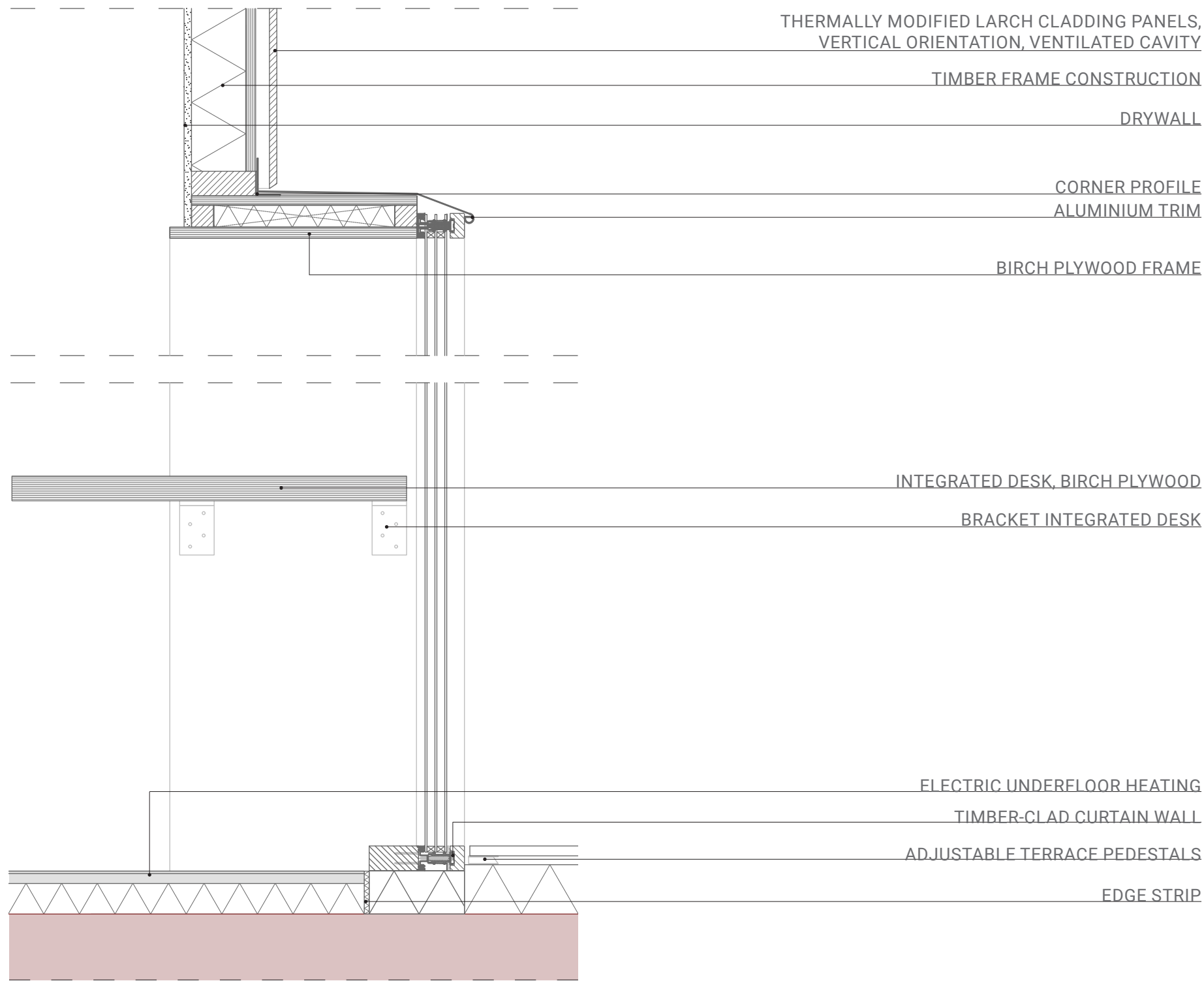
details ground floor



scale 1:5, reduced to 1:10

COURTYARD LOWER FACADE

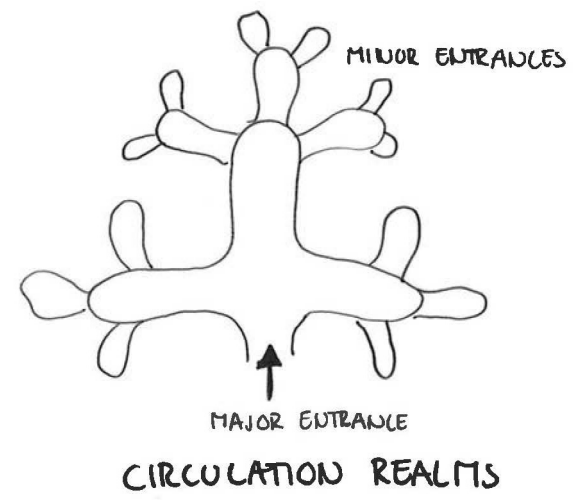
details first floor



scale 1:5, reduced to 1:10

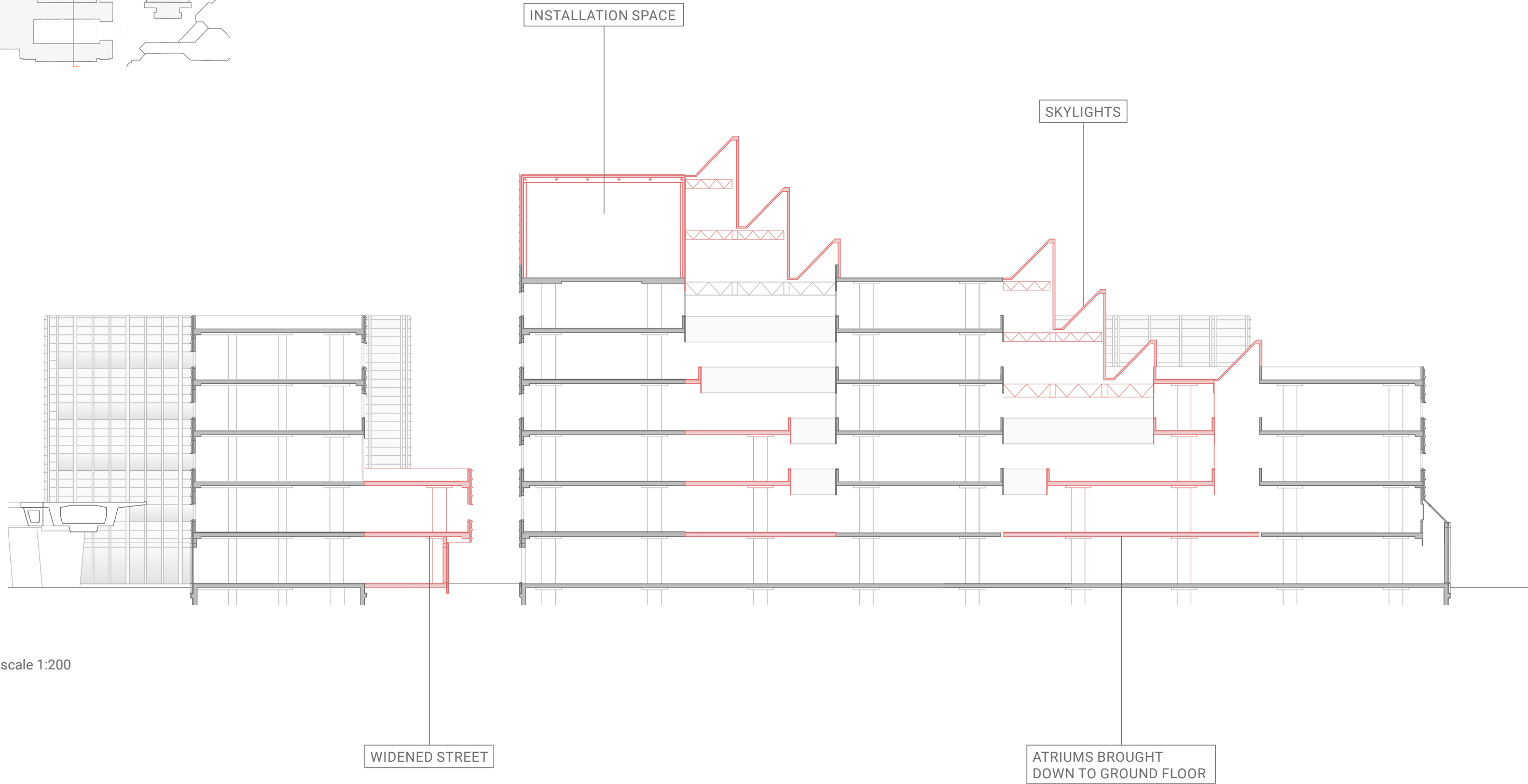
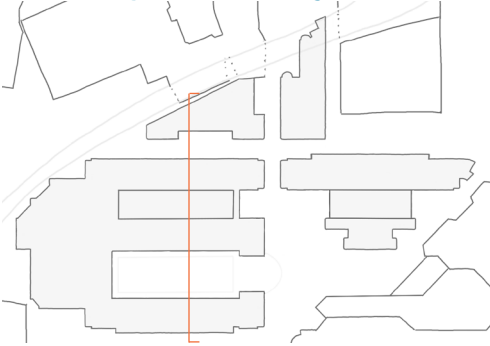


BUILDING INTERIOR

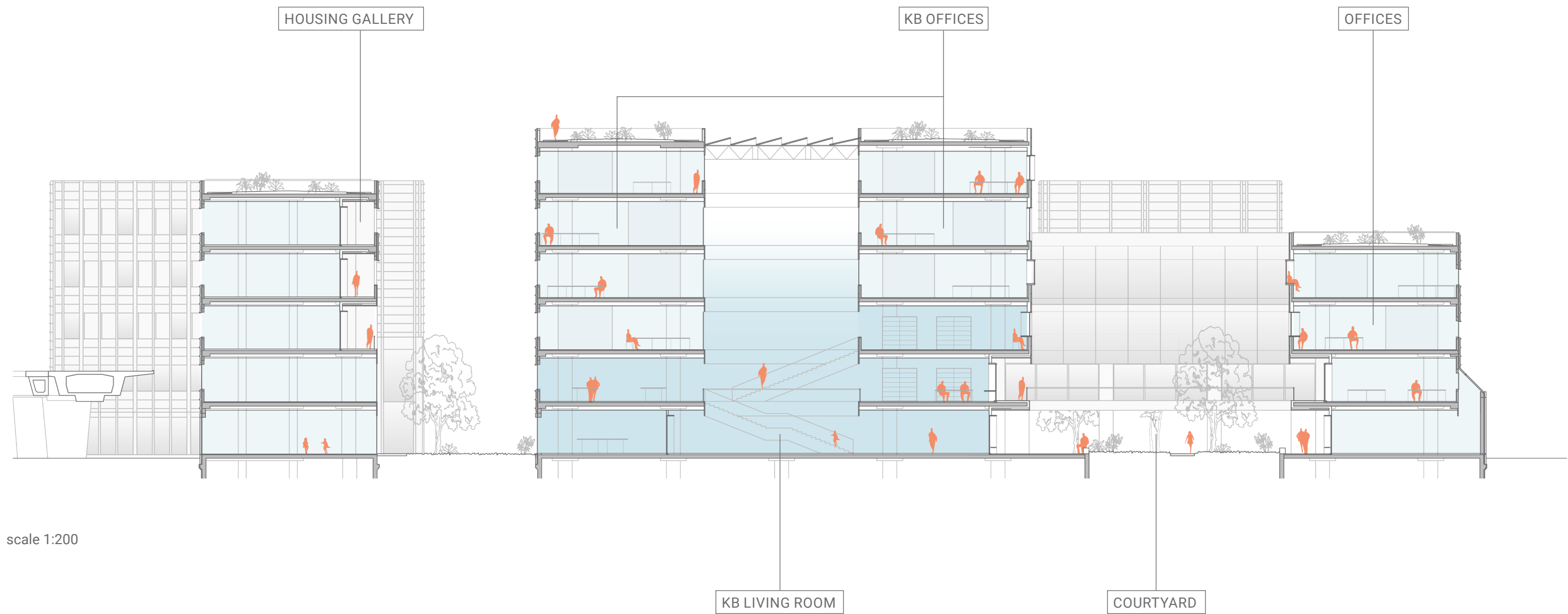
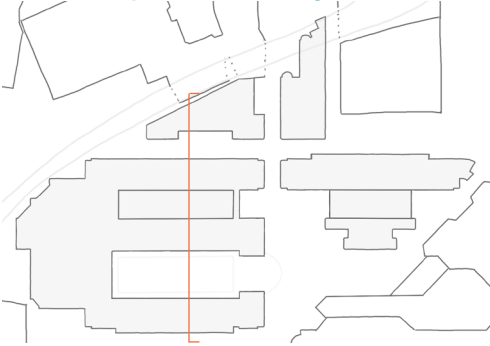


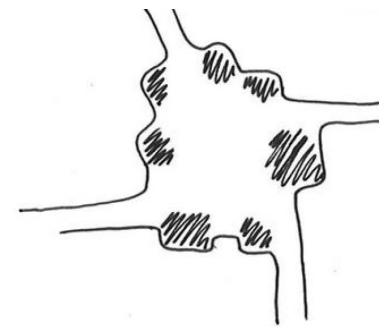
SECTION BB' EXISTING
through courtyard and KB atrium

— keep
— demolish



SECTION BB' NEW
through courtyard and KB atrium

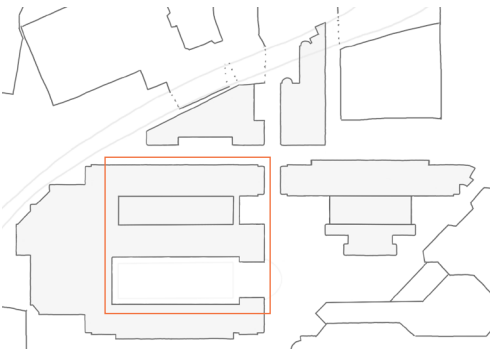




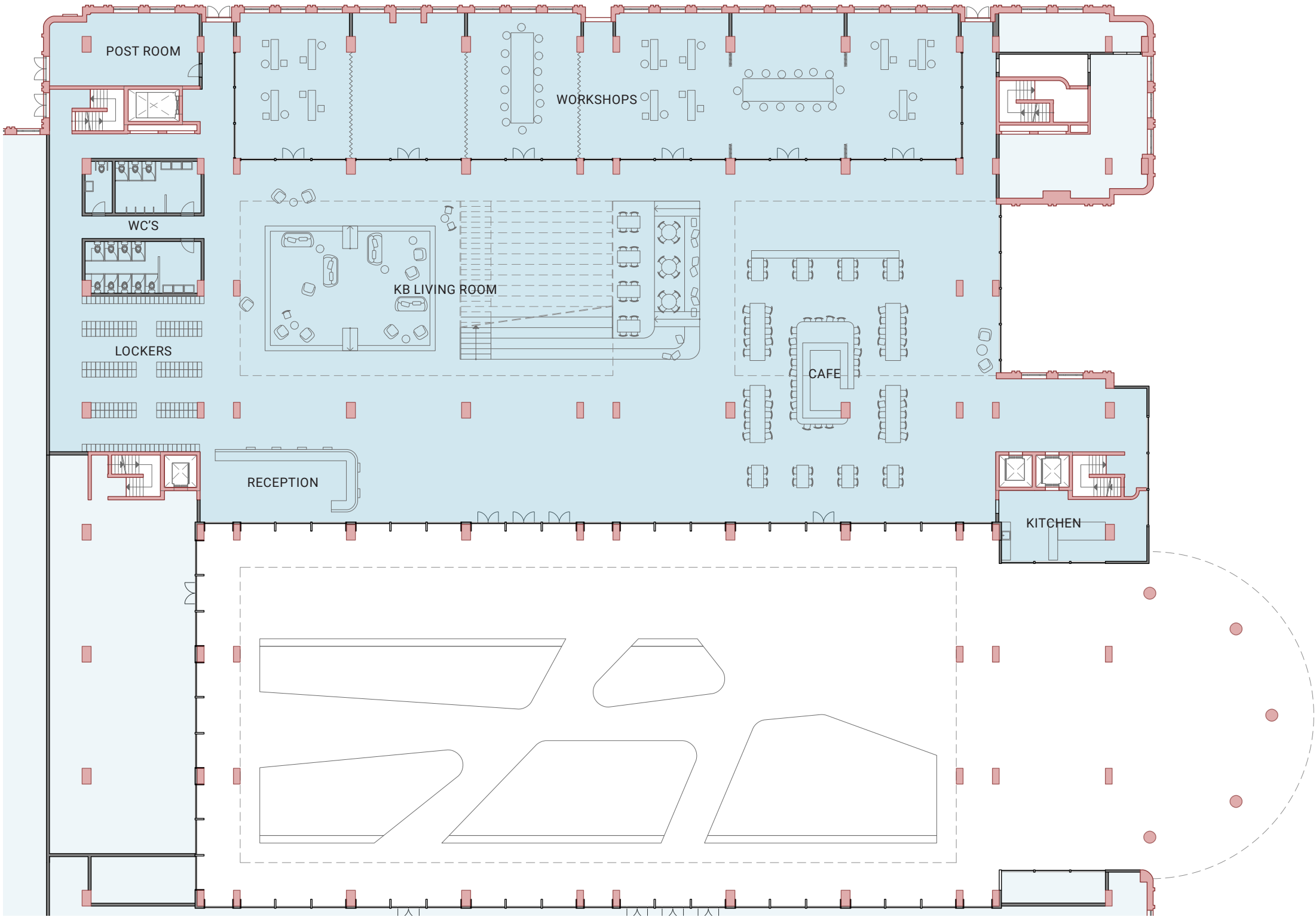
ACTIVITY POCKETS
(EDGE ACTIVITY)

KB FLOOR PLANS

floor 0



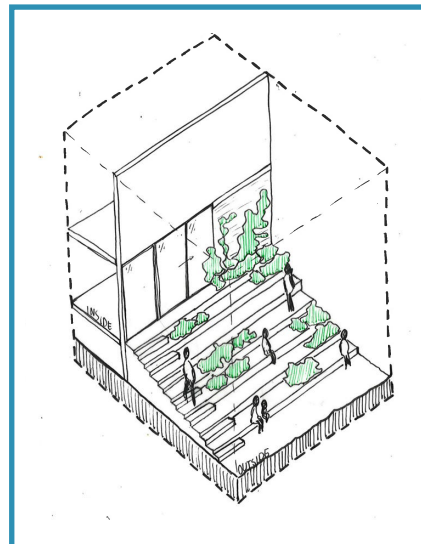
existing
new

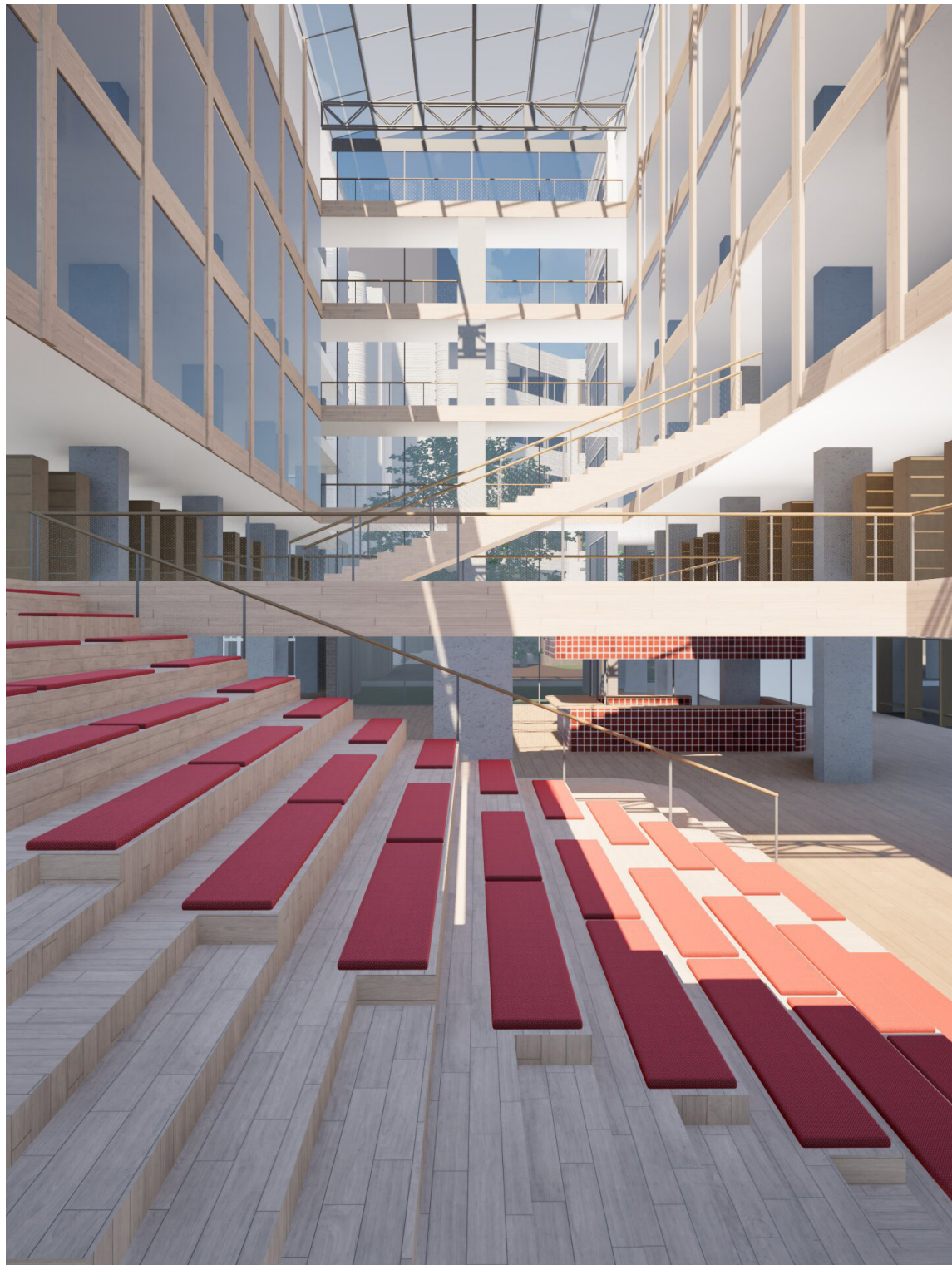


scale 1:50, reduced to 1:300

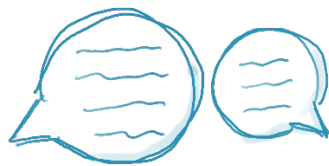


STAIR SEATS
(SIT + WATCH)





INSPIRATION

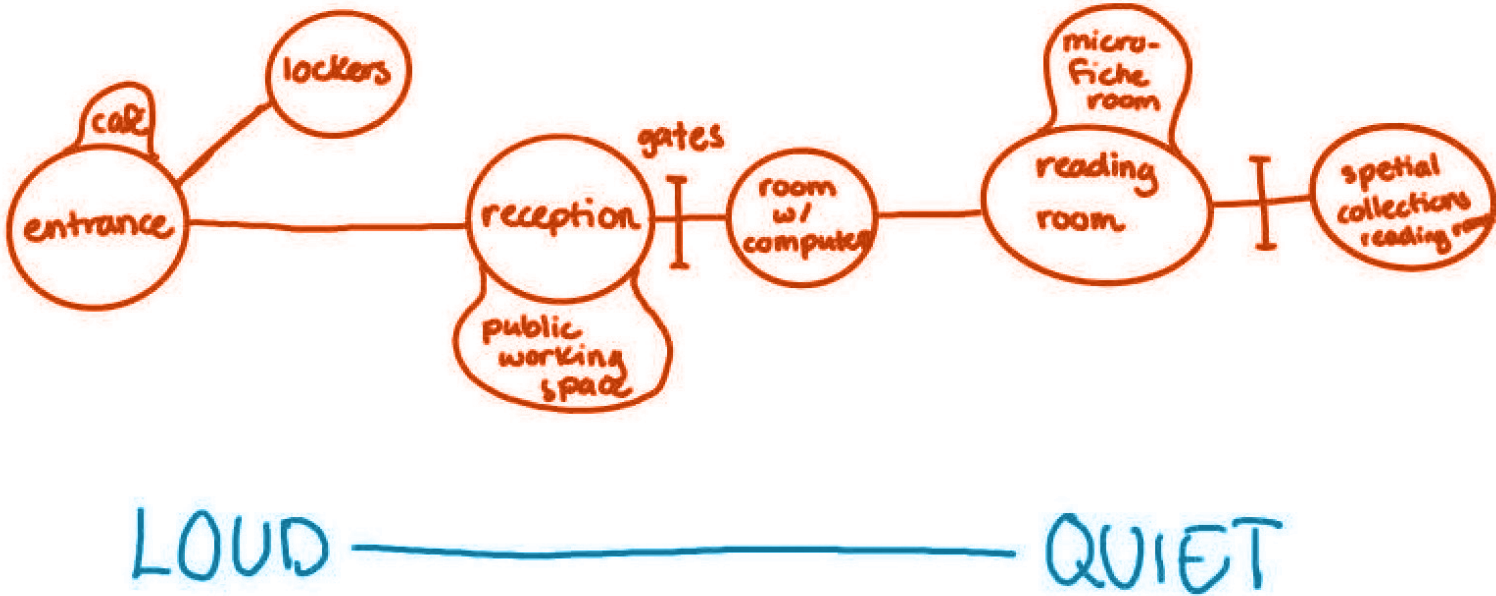


COMMUNICATION



CONCENTRATION

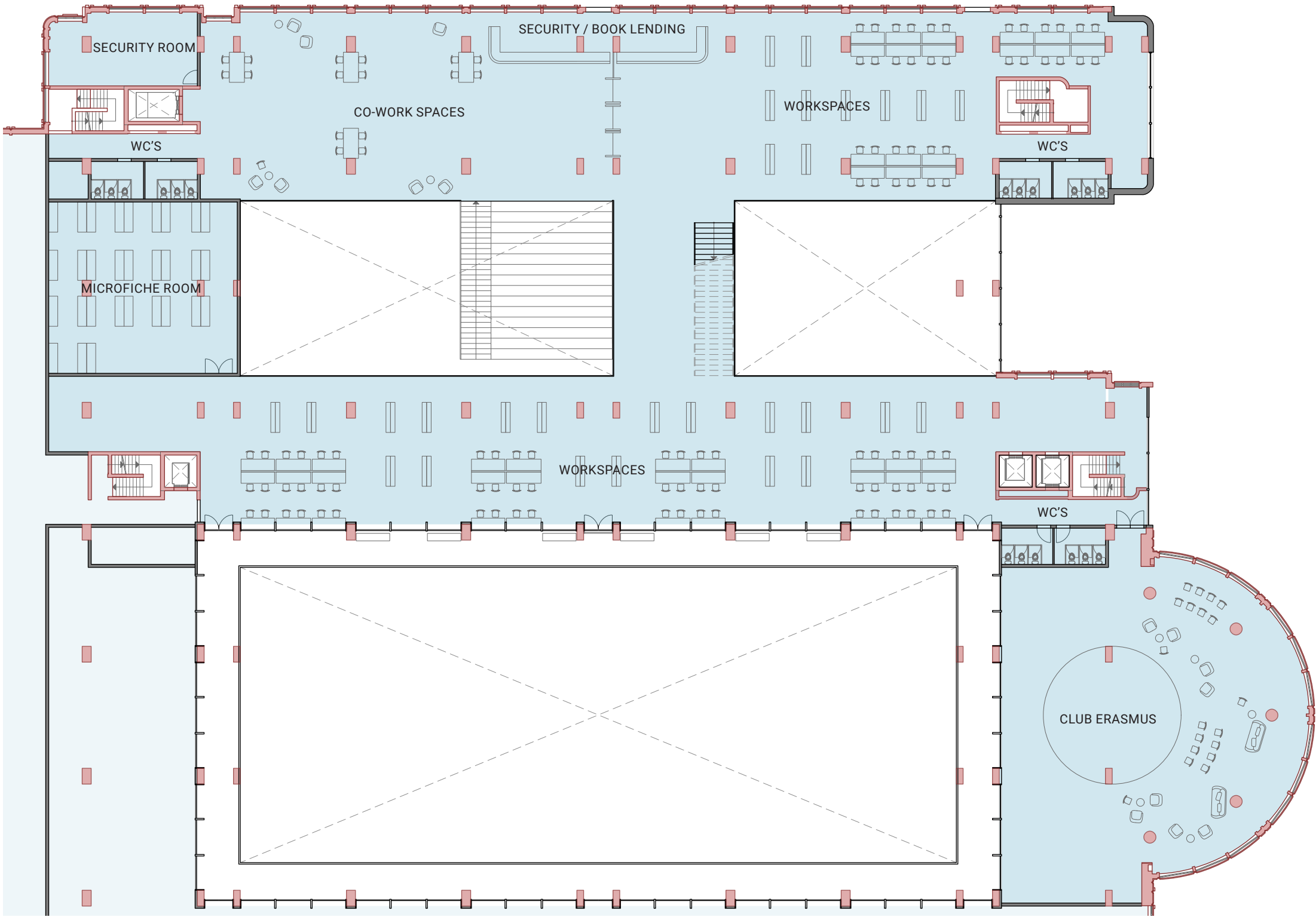
INTERIOR ROUTING
study



KB FLOOR PLANS

floor 1

existing
new

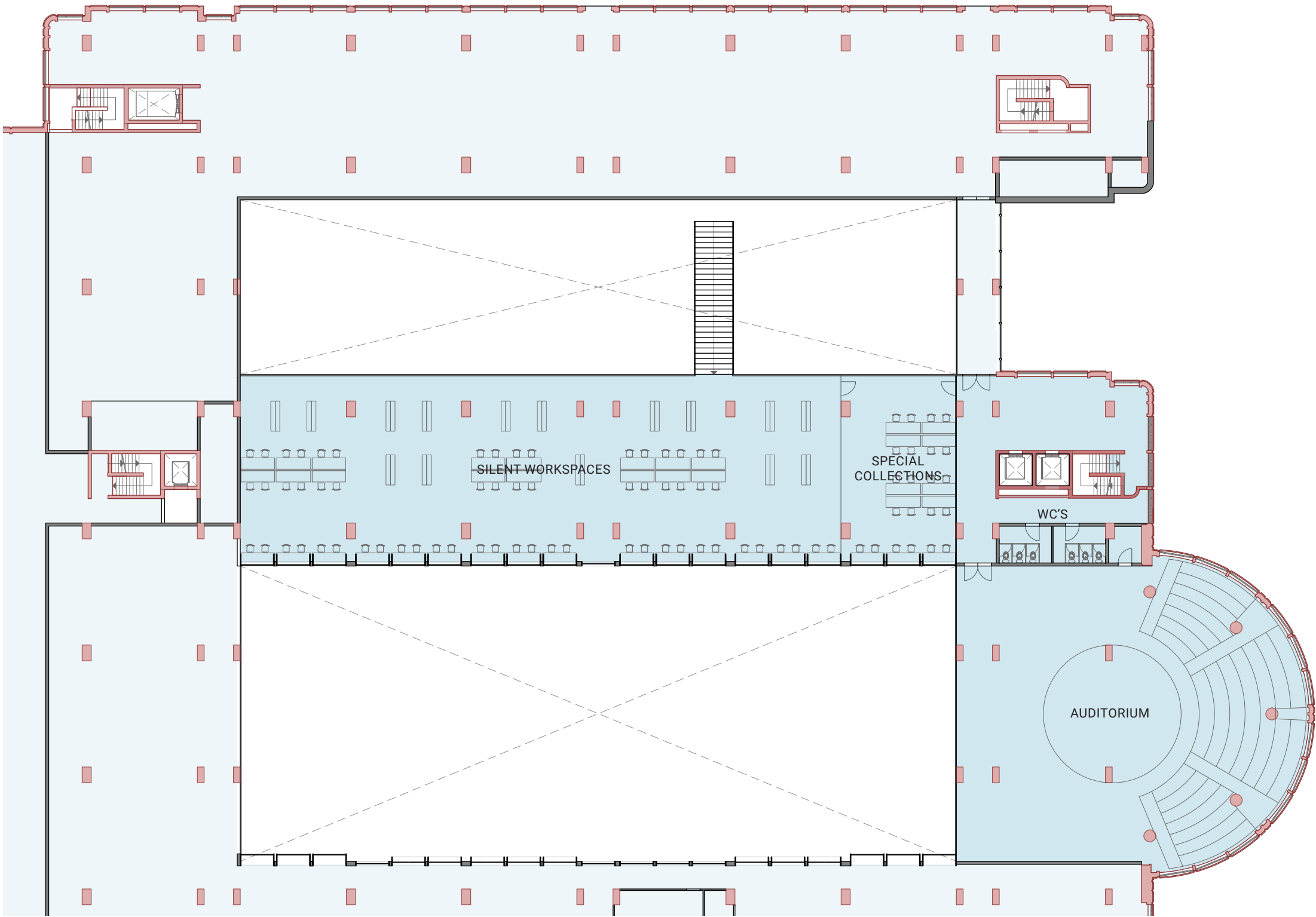


scale 1:50, reduced to 1:300

KB FLOOR PLANS

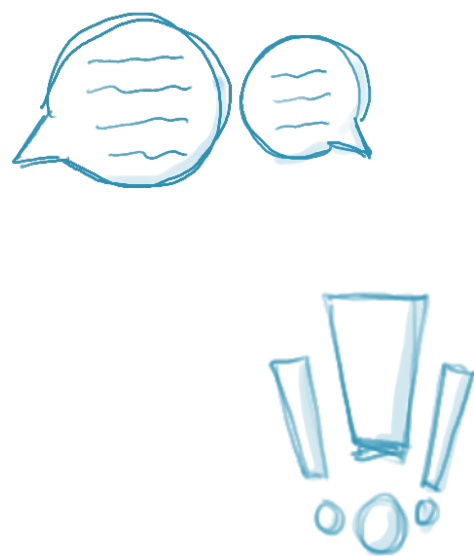
floor 2

existing
new



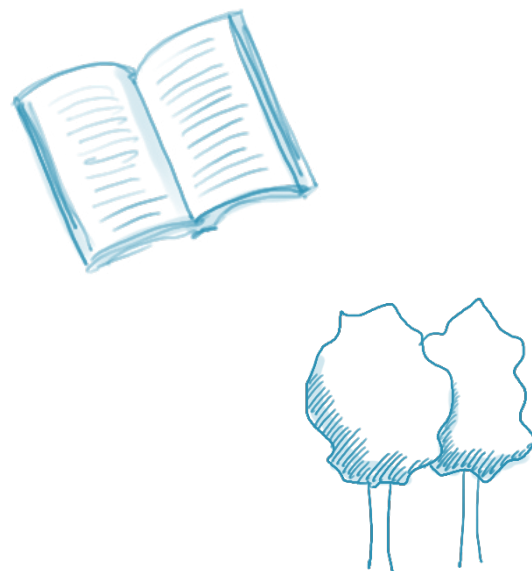
scale 1:50, reduced to 1:300

ENERGY ZONES



BRIGHT COLOURS
- REDS
- ORANGES

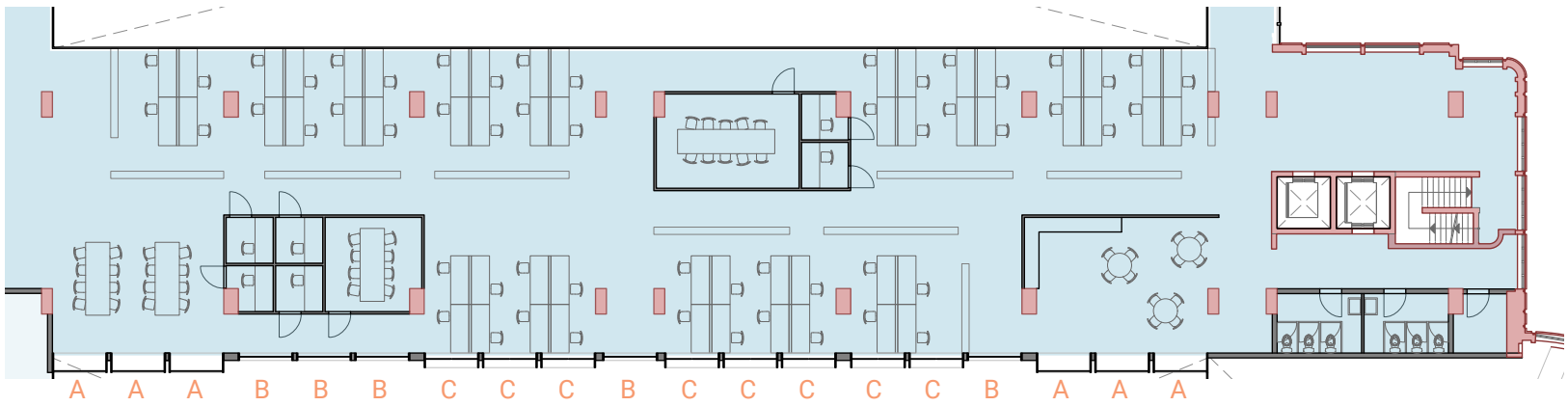
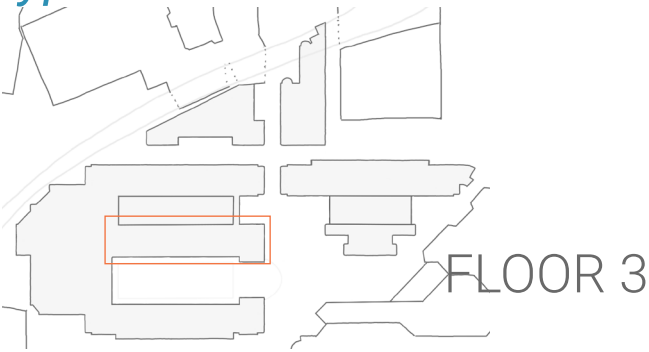
FOCUS ZONES



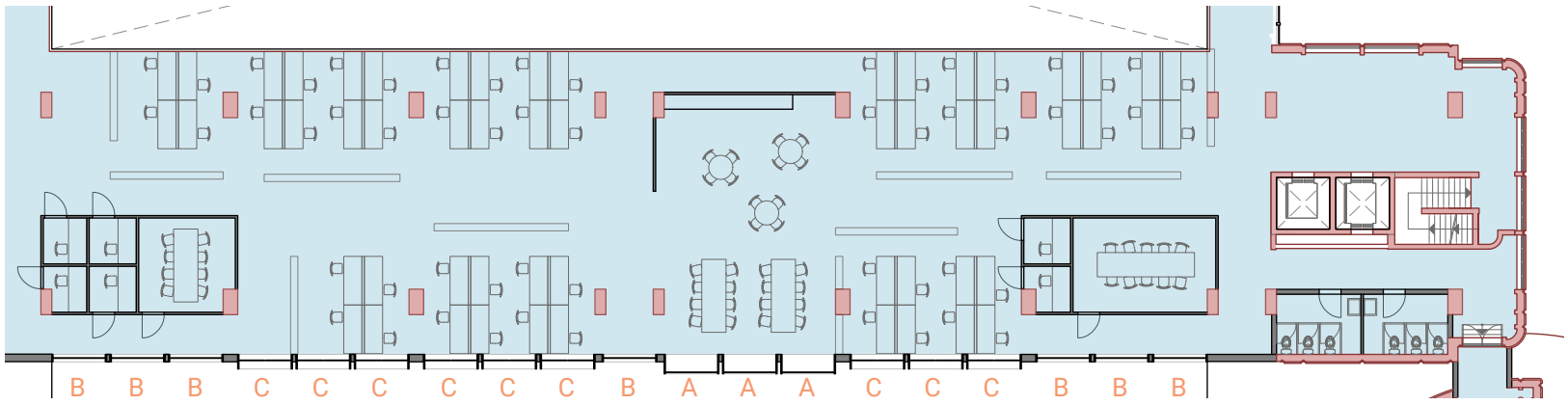
DEEP TONES
- BLUES
- GREENS

OFFICE FLOOR PLANS

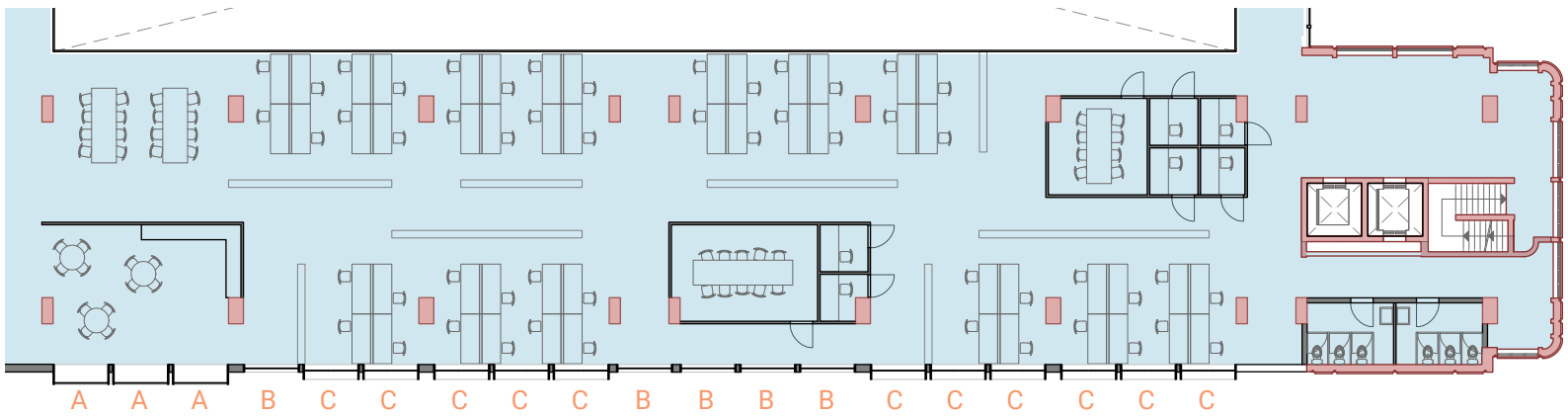
types



FLOOR 4



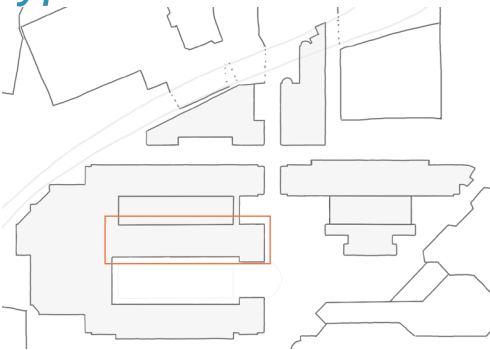
FLOOR 5



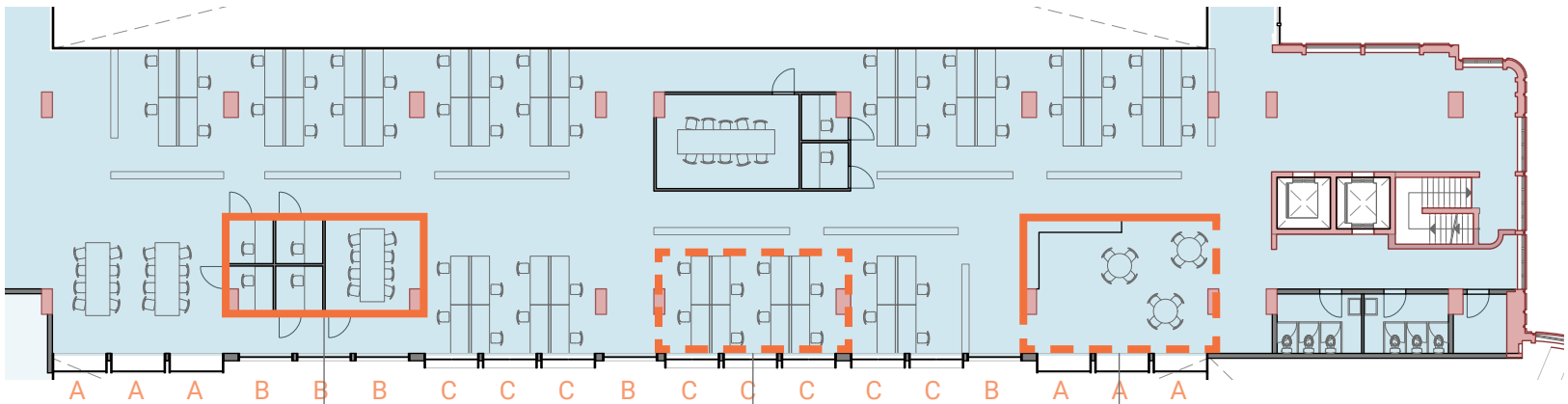
scale 1:50, reduced to 1:300

OFFICE FLOOR PLANS

types



FLOOR 3

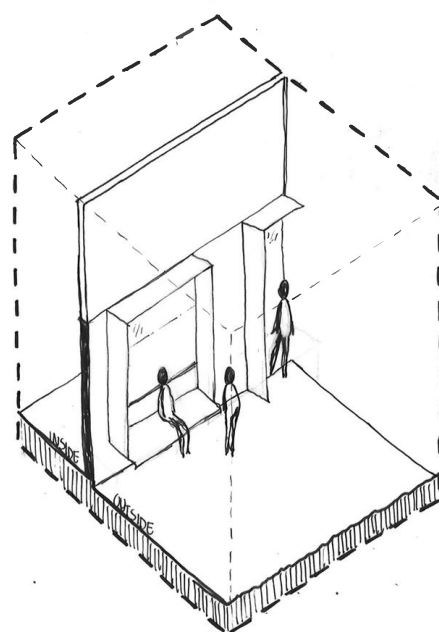


MEETING ROOM MODULE

OPEN WORKSPACES

BREAK SPACE MODULE

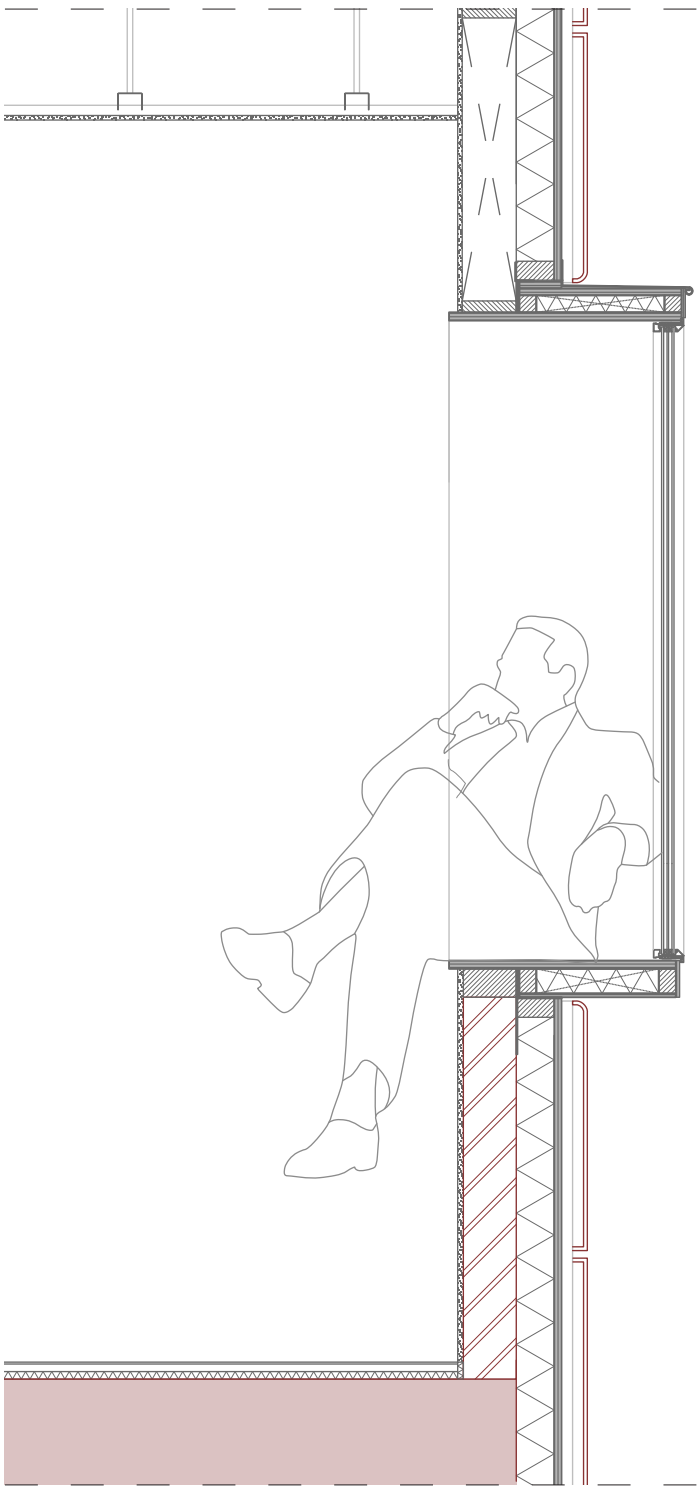




FACADE SEATING

WINDOW MODULES

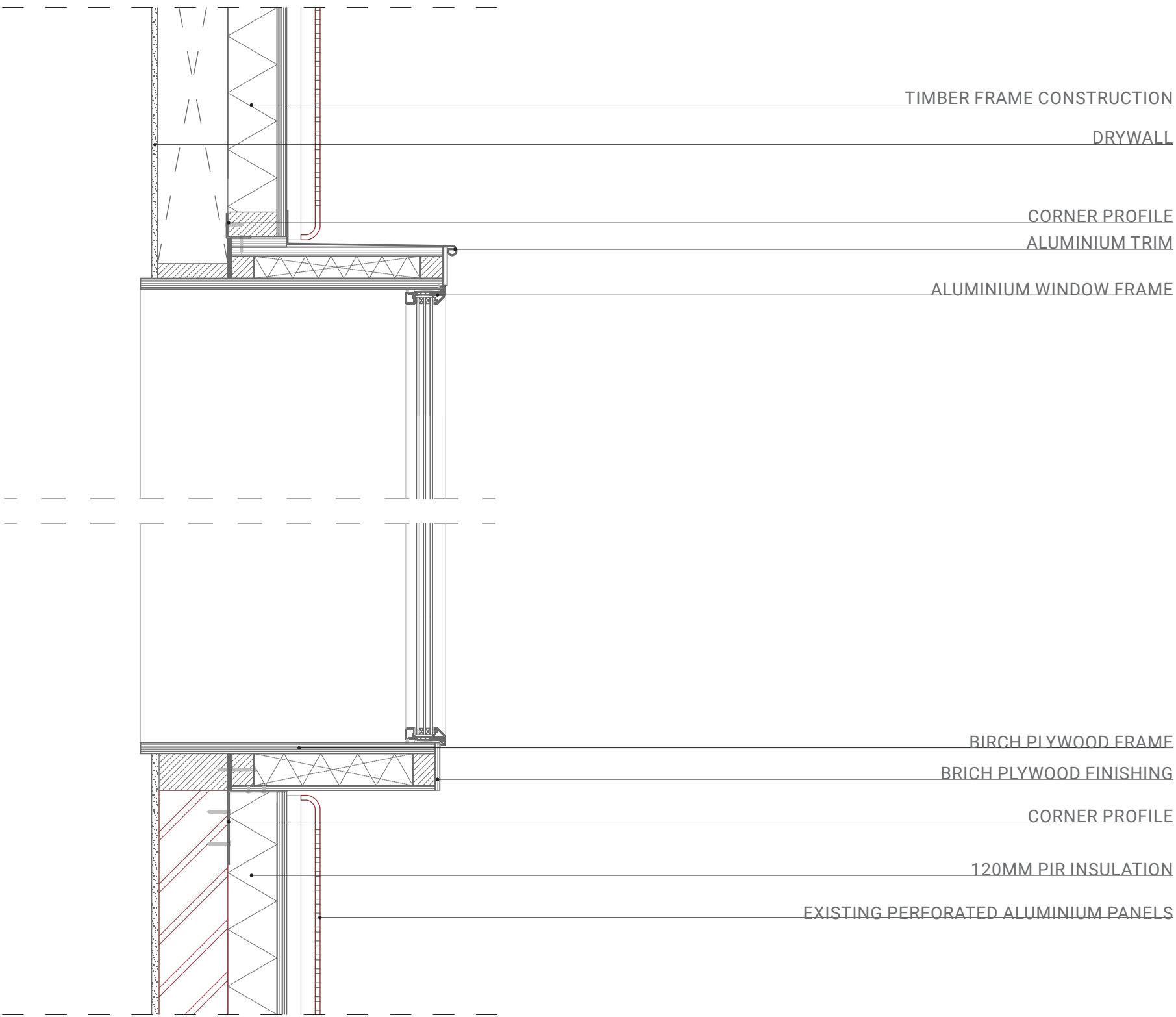
type A - break space



scale 1:20

WINDOW MODULES

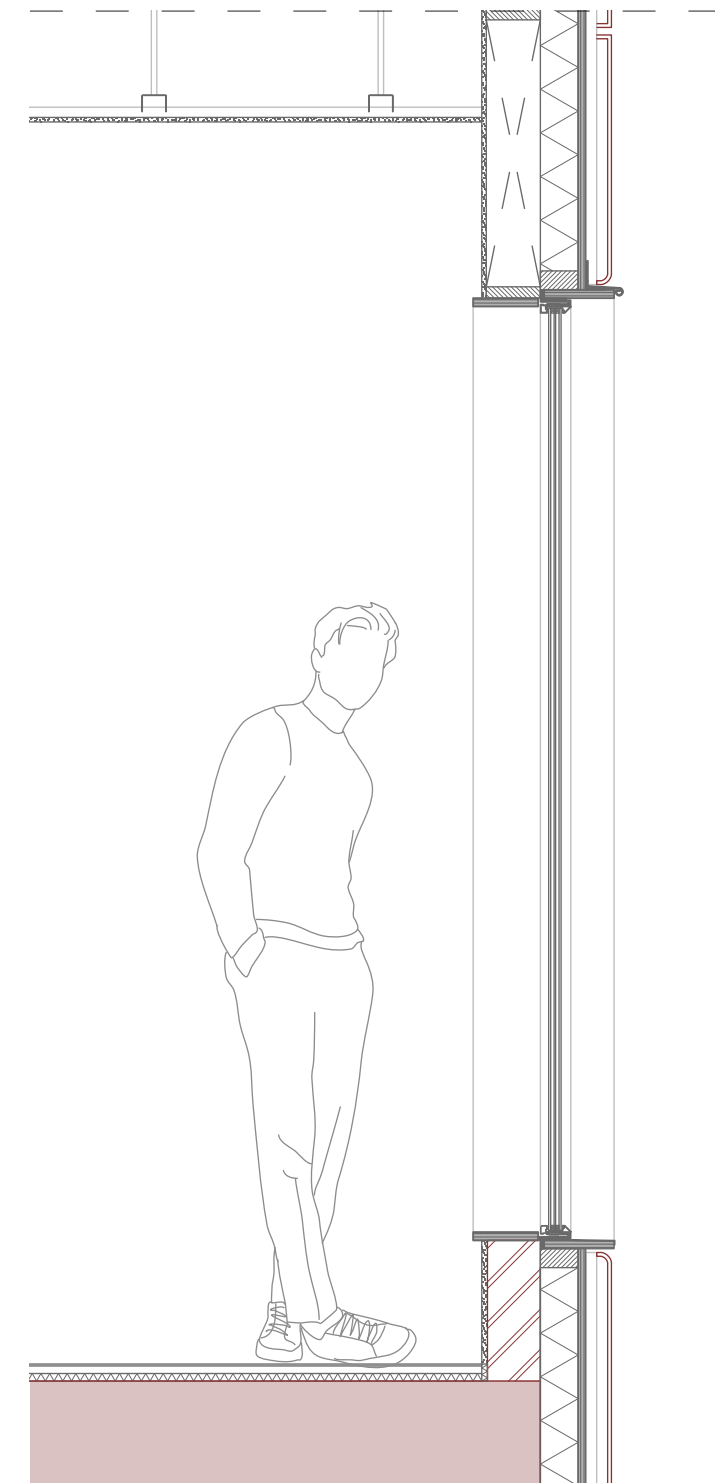
type A - break space



scale 1:5, reduced to 1:10

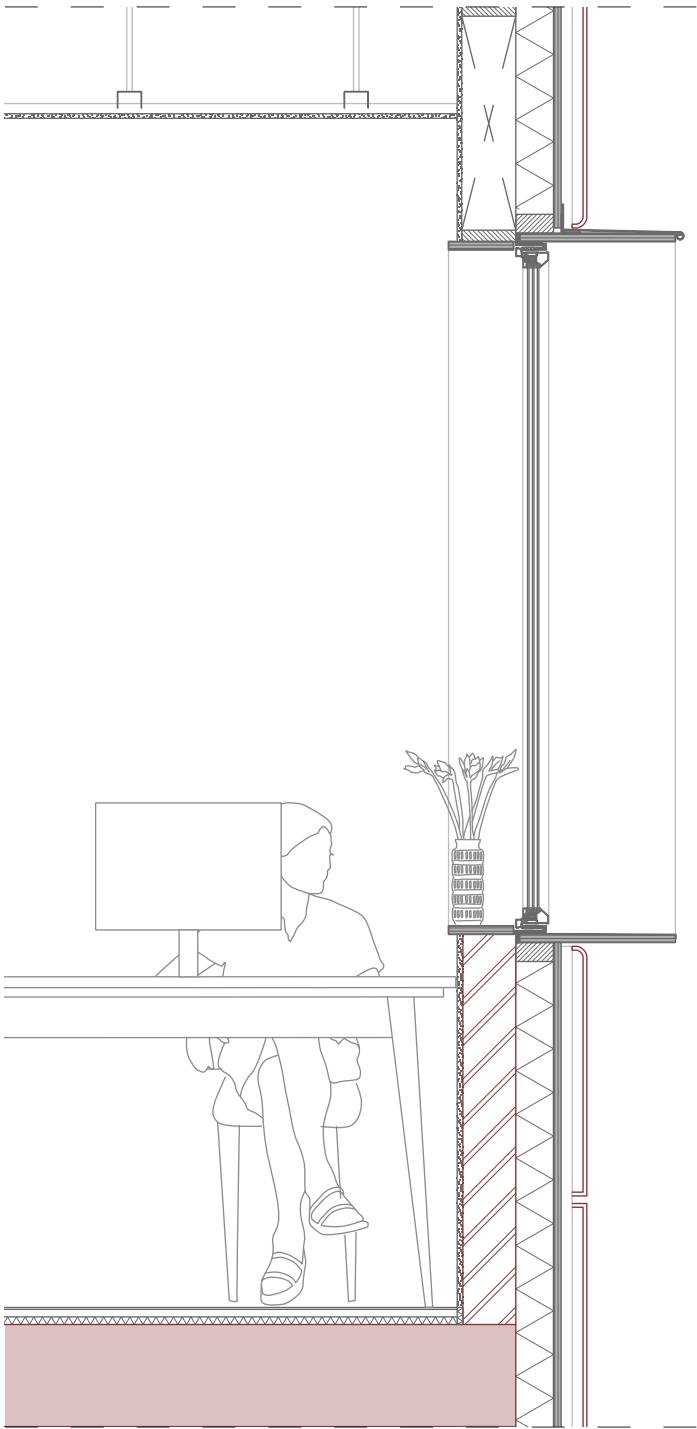
WINDOW MODULES

type B - meeting room modules



scale 1:20

WINDOW MODULES
type C - open workspaces



scale 1:20

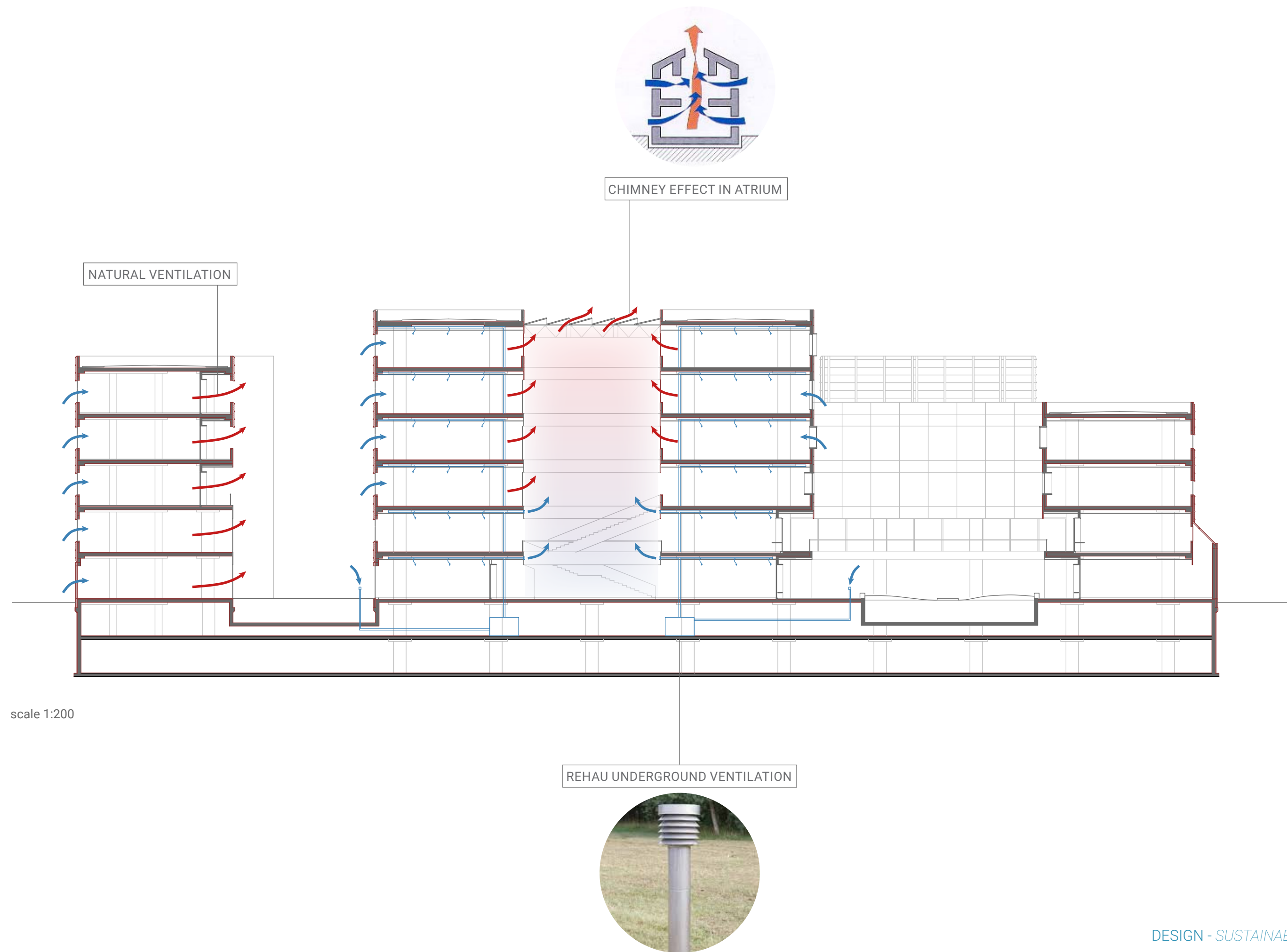


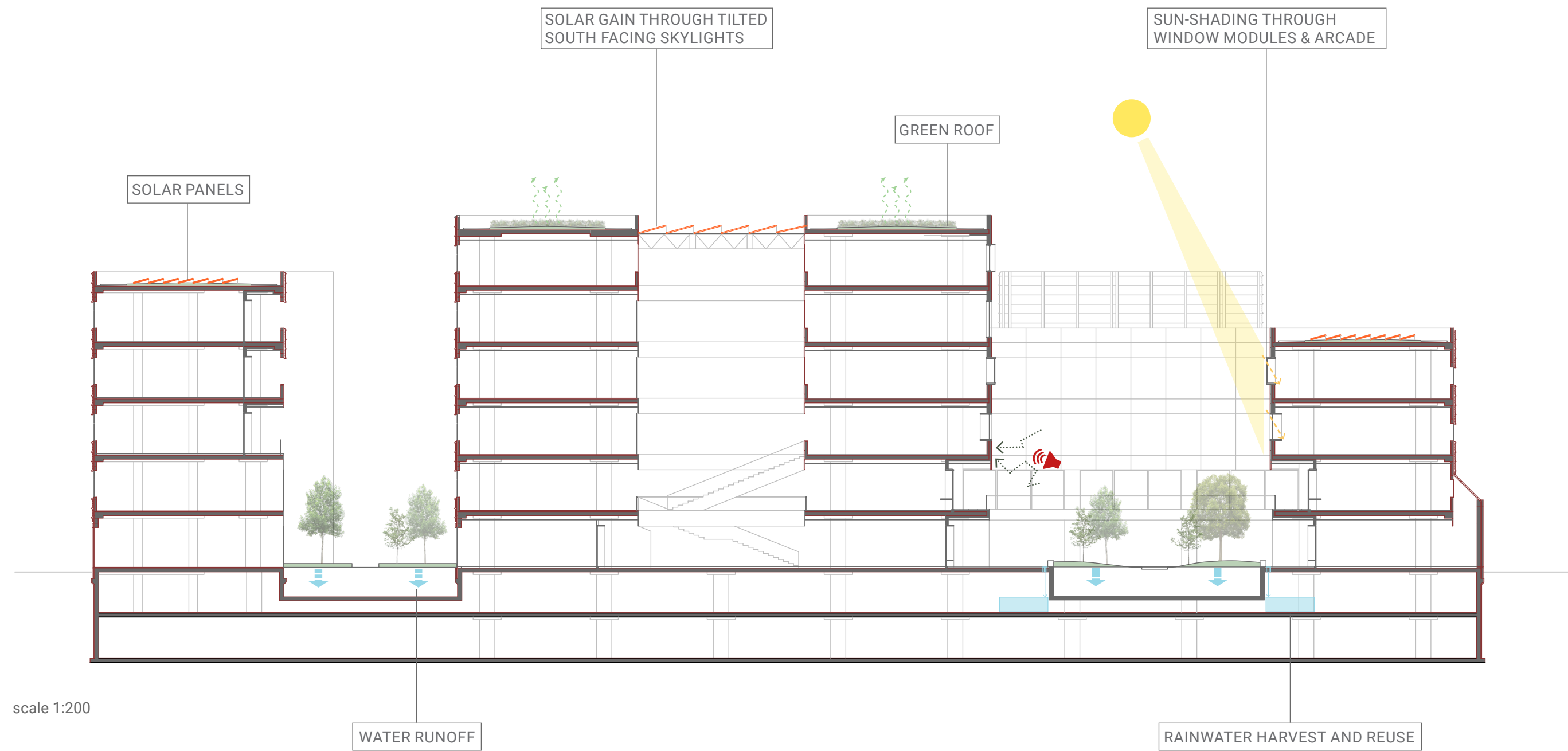
SUSTAINABILITY

SUSTAINABLE DEVELOPMENT GOALS



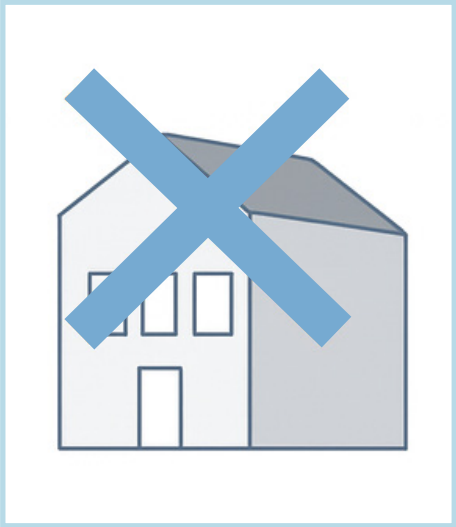
VENTILATION DESIGN





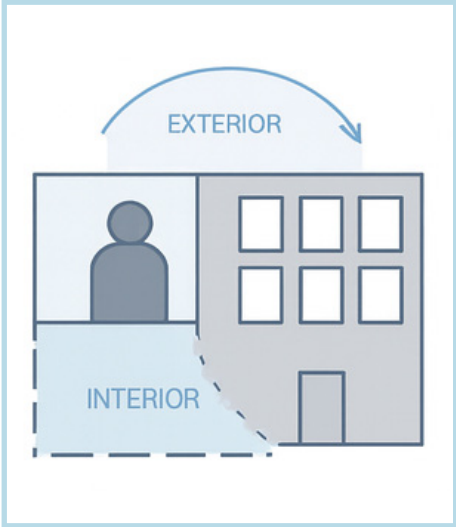
R-STRATEGIES

R0 REFUSE



REFUSING TO OVERBUILD - NO NEW BUILDING BLOCKS ADDED.

R1 RETHINK



TAKING "NEGATIVE" ASPECTS AND MAKING THEM "POSITIVE".

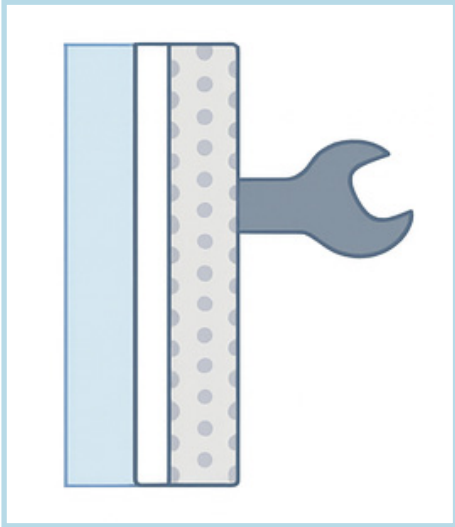
RETHINKING ATRIUMS - INTERIOR BECOMES EXTERIOR.

R3 REUSE



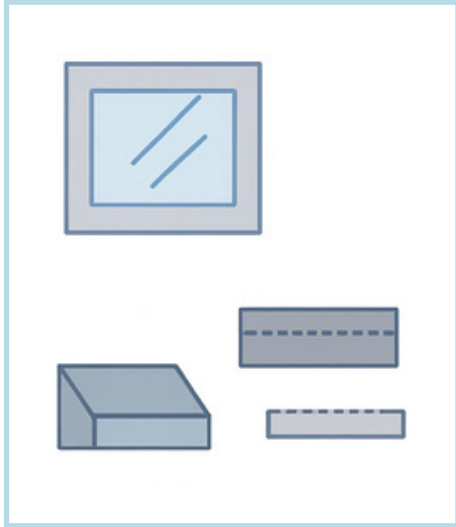
EACH BUILDING BLOCK STAYS AND GETS A NEW FUNCTION.

R4 REPAIR



INTERIOR ALUMINUM FACADE PANELS, ADDING INSULATION BEHIND.

R7 REPURPOSE



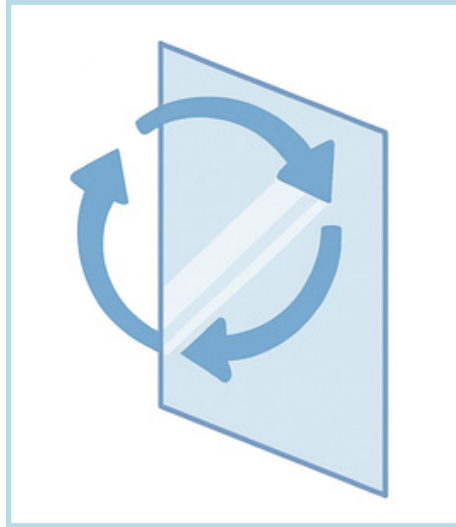
INTERIOR WINDOWS AND EXTERIOR ALUMINUM PANELS FOR OFFICE MODULES.

ALUMINUM PANELS FOR KB SQUARE SCULPTURES.

CONCRETE FOR LANDSCAPE EDGING AND SEATING BLOCKS.

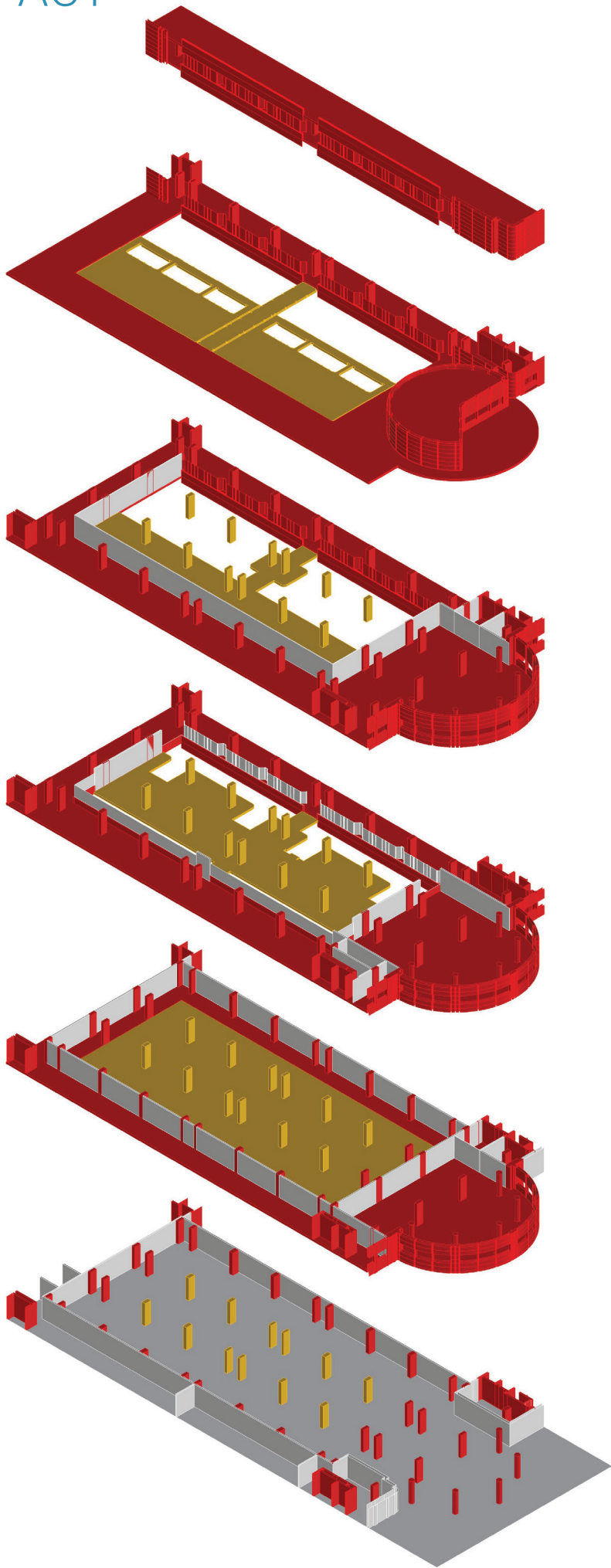
MASONRY FOR COURTYARD FLOORING.

R8 RECYCLE



ALUMINUM FACADE PANELS FOR NEW WINDOW FRAMES..

COURTYARD IMPACT



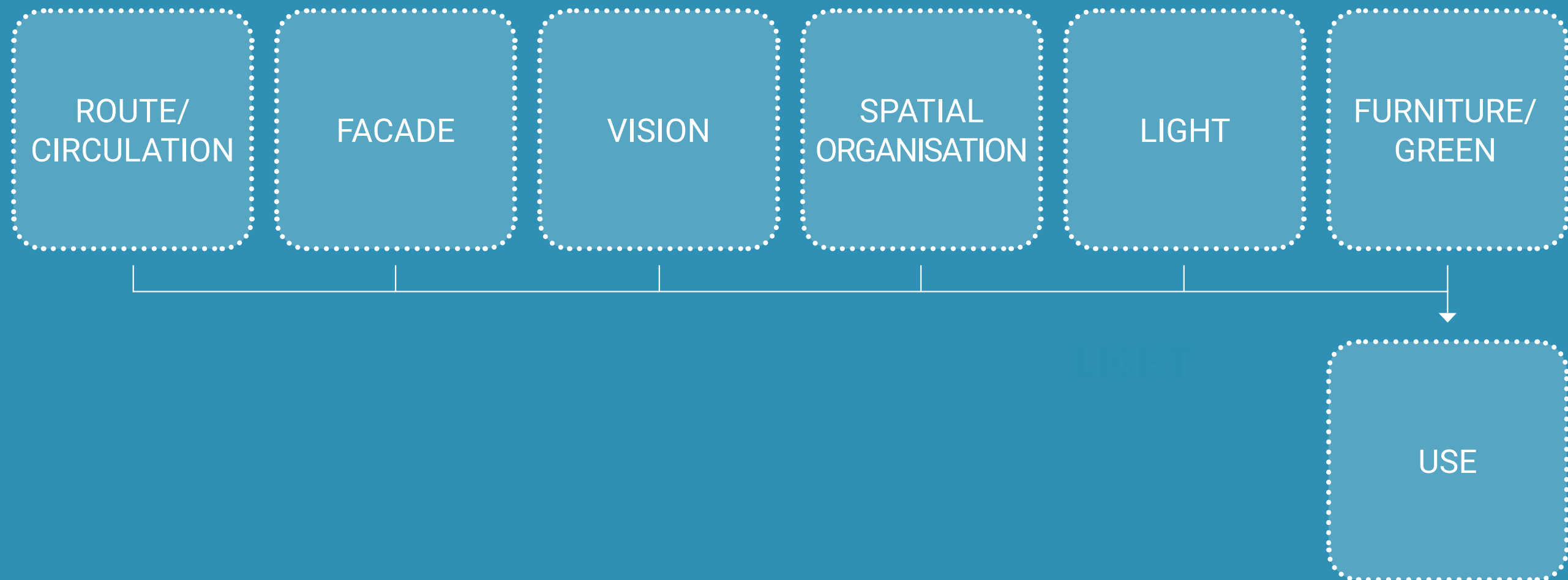
DEMOLISH
KEEP

- 48X CONCRETE COLUMNS → REPURPOSED - ON SITE
- 2.286 M2 CONCRETE FLOOR → RECYCLED (RCA) - OFF SITE
- 308 M MASONRY BALUSTRADE → REPURPOSED - ON SITE
- 228 M INTERIOR WINDOWS → FRAME RECYCLED - ON SITE
- STEEL ROOF CONSTRUCTION + 6X ROOF LIGHTS → REPURPOSED - OFF SITE

SUSTAINABLE DEVELOPMENT GOALS



How can stimulation of **social interactions**, and thus, the idea of **the library as a third place**, be improved in the KB through the design of its **transitional spaces**?



KB) nationale
bibliotheek

THE 'THIRD PLACE' IN-BETWEEN

