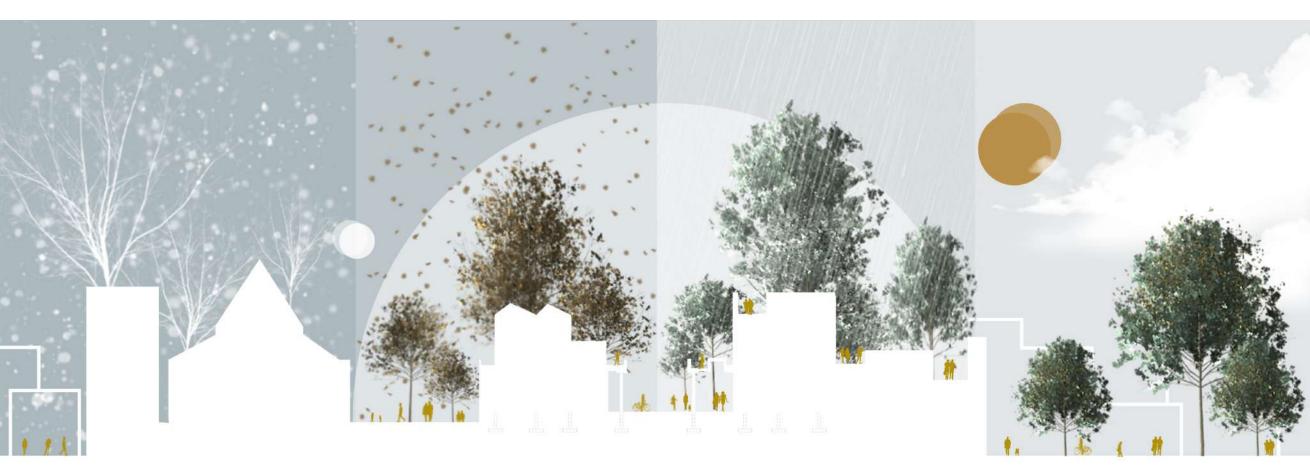
BRICOLAGE OF TIME AND SPACE

A JOURNEY TROUGH THE TRANSFORMATION OF THE MOLENPOORT



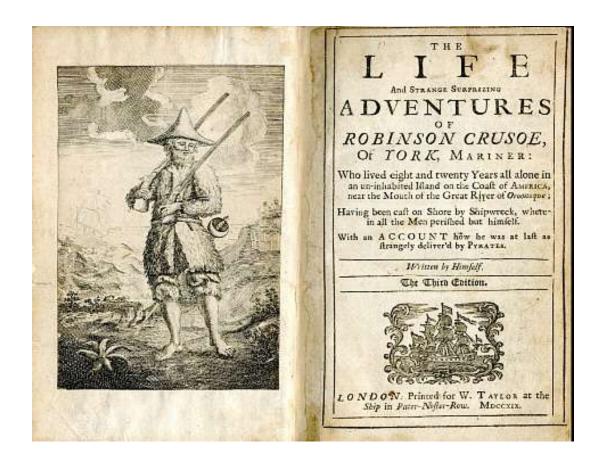
P5 PRESENTATION
URBAN ARCHITECTURE STUDIO
TU DELFT

ALEJANDRA FERRERA
JULY 2021



"Construction (as of a sculpture or a structure of ideas) achieved by using whatever comes to hand."

Merriam-Webster (n.d.)



Ilustration of the book Robinson Crusoe (De Foe, Pujol & Paget, n.d.)

BRICOLAGE



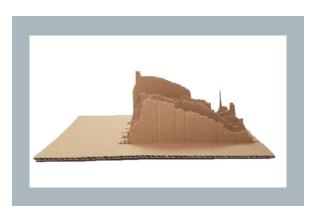


Perpetuo Socorro Church, Danli, Honduras. (AlejandraFerreraArchitects, 2020)



Vitroaluminio colective bathrooms, Tegucigalpa, Honduras. (AlejandraFerreraArchitects, 2019)

BRICOLAGE DRAWINGS AND MODELS





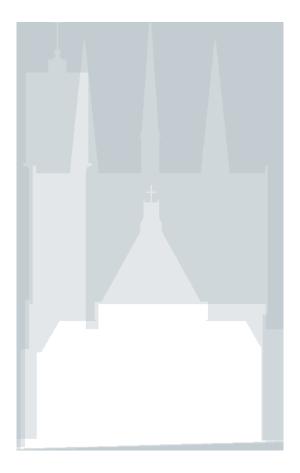




ARCHITECTURE

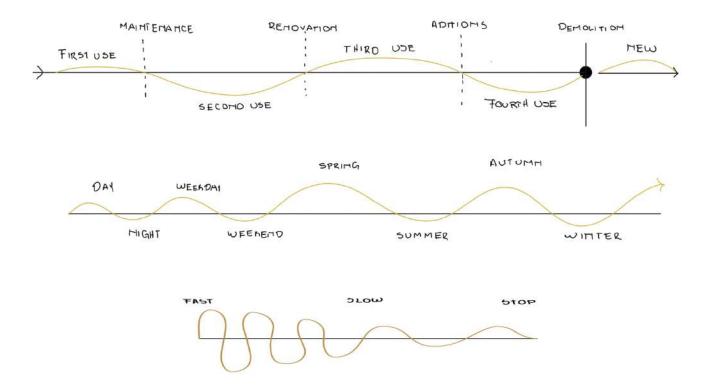
"Reviewing the last years, I have been through many transformations. For the future, I wonder what my identity will be then, who will I be in the future? Will I be passing my characteristics to my ancestors as well?"

The church | What time is this place group movie



Shapes of St Petruc Canisious Church over time

Drawing by the author



"Time is the fourth perspective that moves architecture from a static product (noun) to a dynamic process (verb)."

Schmidt III & Austin (2016) Adaptable architecture: Theory and practice



The city Source: What time is this place group movie



The city Source: What time is this place group movie



The city Source: What time is this place group movie



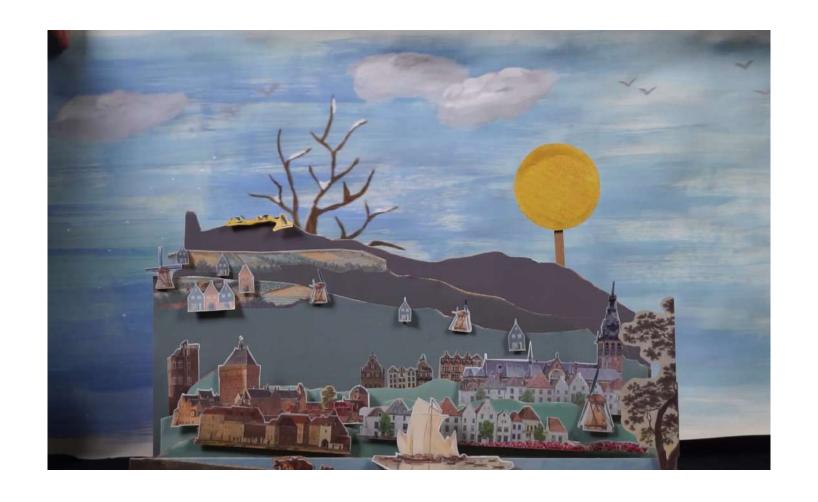
The city Source: What time is this place group movie



The city Source: What time is this place group movie



The city Source: What time is this place group movie



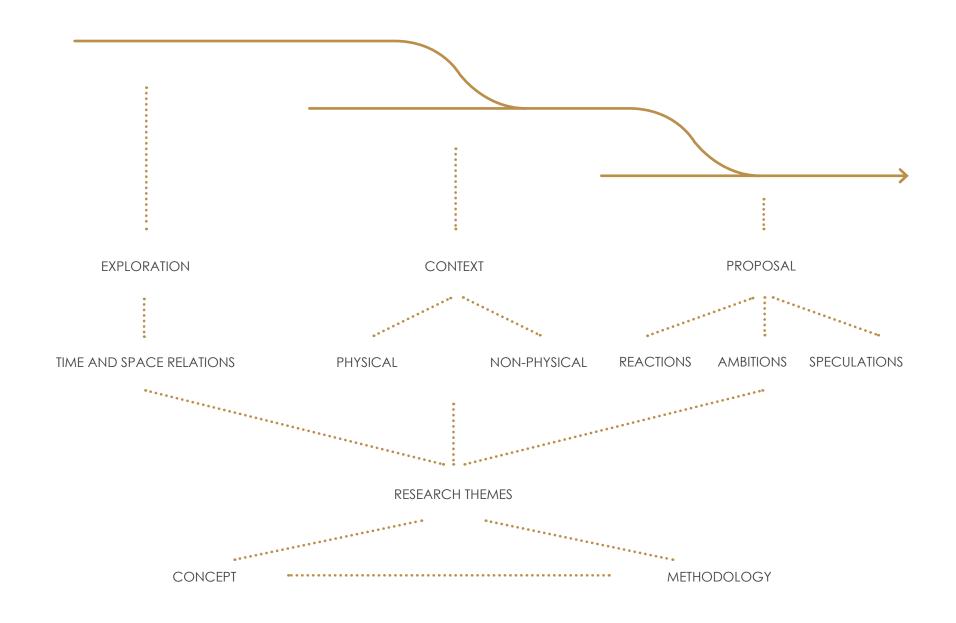
The city Source: What time is this place group movie

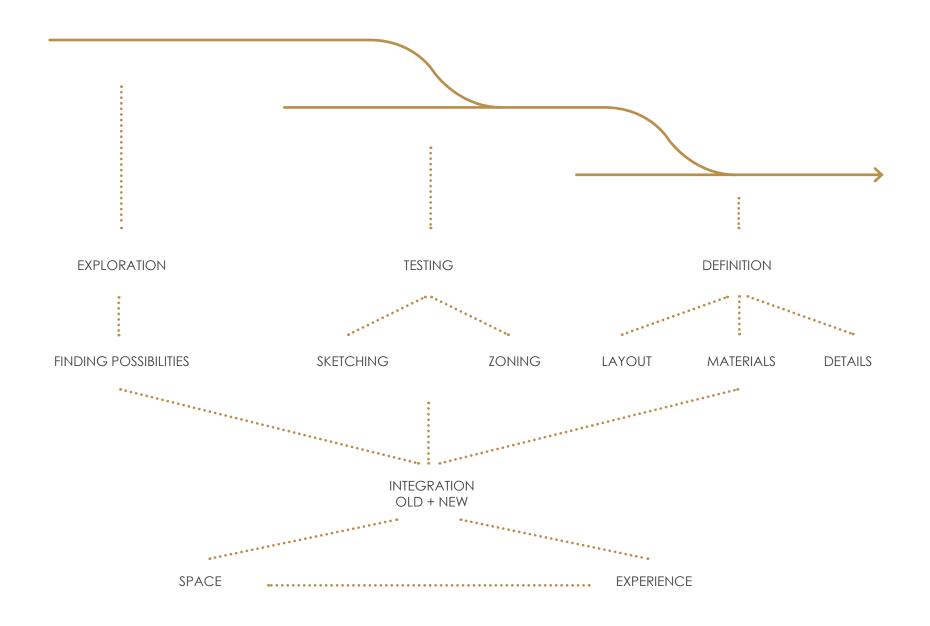
ARCHITECTURE - TIME - BRICOLAGE SPACE

PART 1:
FROM RESEARCH TO CONCEPT

PART 2:

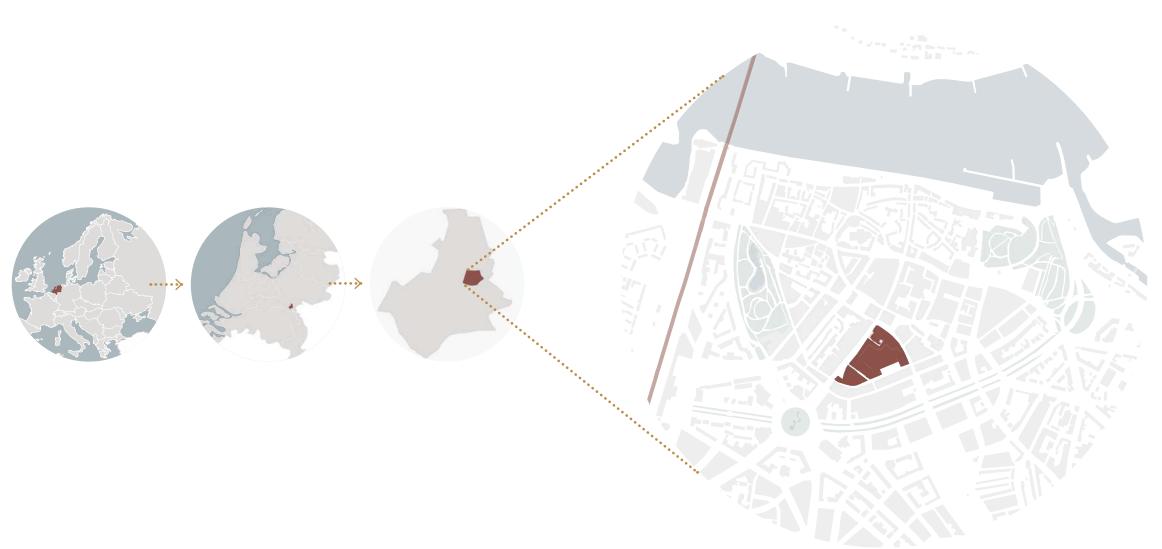
FROM CONCEPT TO SPACE





PART 1

FROM RESEARCH TO CONCEPT





Arriving to Nijmegen (06,2021) Pictures by the author





Arriving to Nijmegen (06,2021) Pictures by the author





Arriving to Nijmegen (06,2021) Pictures by the author





Arriving to Nijmegen (06,2021) Pictures by the author









Around Nijmegen (06,2021) Pictures by the author



MOLENPOORT



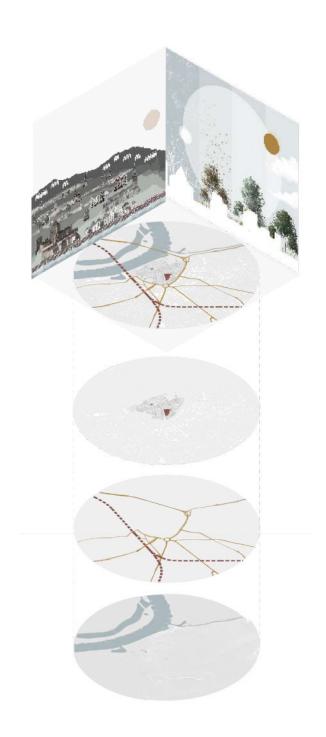




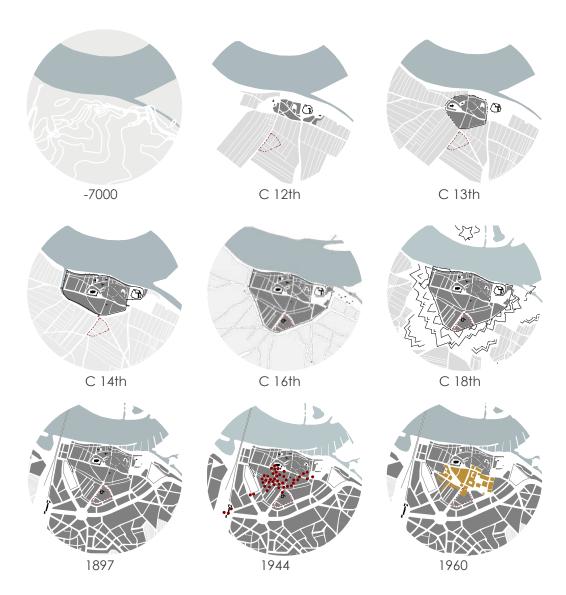


Arriving to The Molenpoort (06,2021)
Pictures by the author

DECOMPOSITION OF TIME AND SPACE



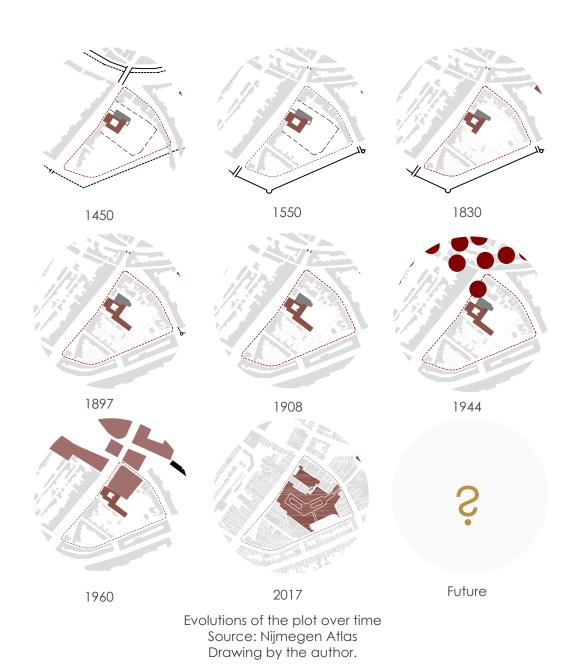
HISTORICAL EVOLUTION OF THE CITY





Evolutions of the city over time Source: Nijmegen Atlas Drawing by the author.

HISTORICAL EVOLUTION OF THE SITE





HISTORICAL EVOLUTION OF THE SITE







C14th











C20.5th

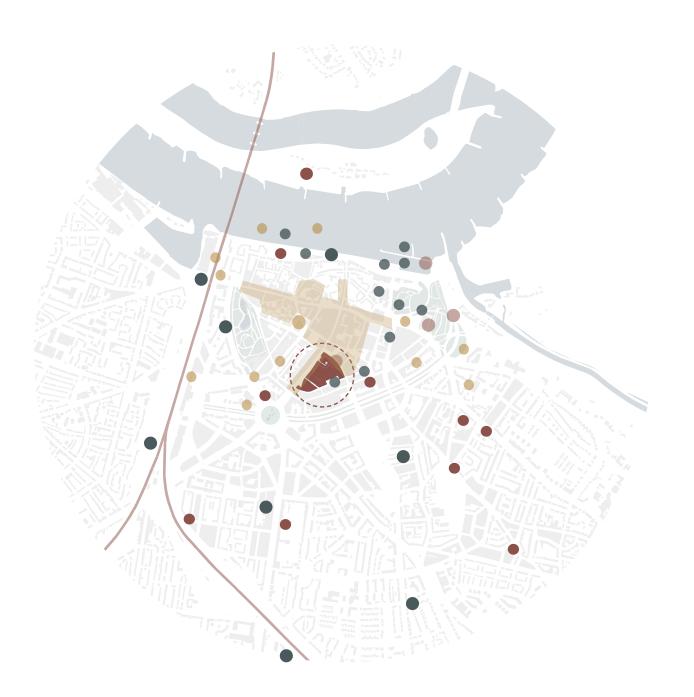
C20th

C20.5th

Evolution of Molenstraat Source: Nijmegen archive

WHAT IS THERE?

- () Plot
- Water
- Buildings
- Pedestrian area
- Monuments/museums
- Education
- Parks
- Parking
- Train station
- Bus station
- Squats



WHAT IS NEEDED?

Squats

City garden
Emergency night store
Library
Design office
Cultural events
Women's school
Concerts
Political cafe
Production company
Refugee - homeless support
Living / workspace
Workshops
Pub
Dance yoga



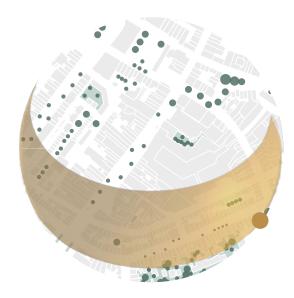
WHERE AND WHY?



GETTING CLOSER TO THE SITE



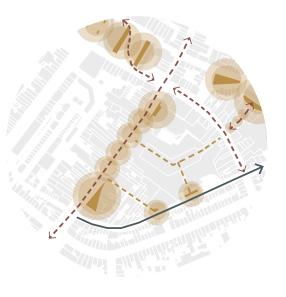
ANALYSIS



Nature and climate



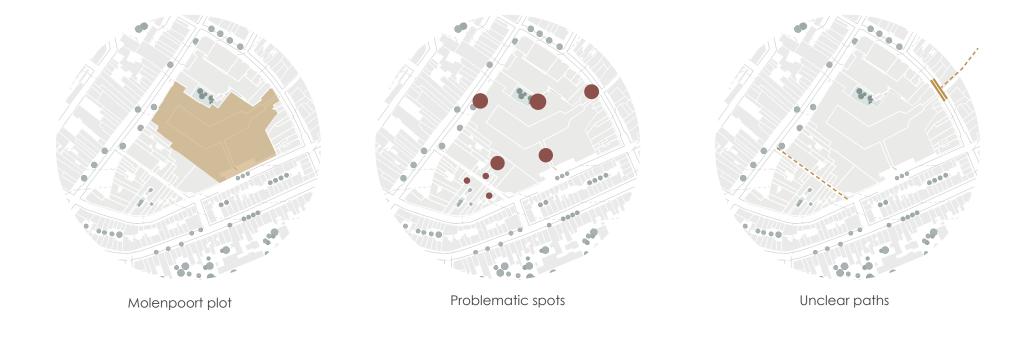
Age and qualities



Circulation and permanency

Site Analysis Drawings by urban plan group

CURRENT SITUATION



Site Analysis Drawings by urban plan group

FINDING POSSIBILITIES



Site Analysis Drawings by urban plan group

SHAPING THE SITE



Site Analysis Drawings by urban plan group







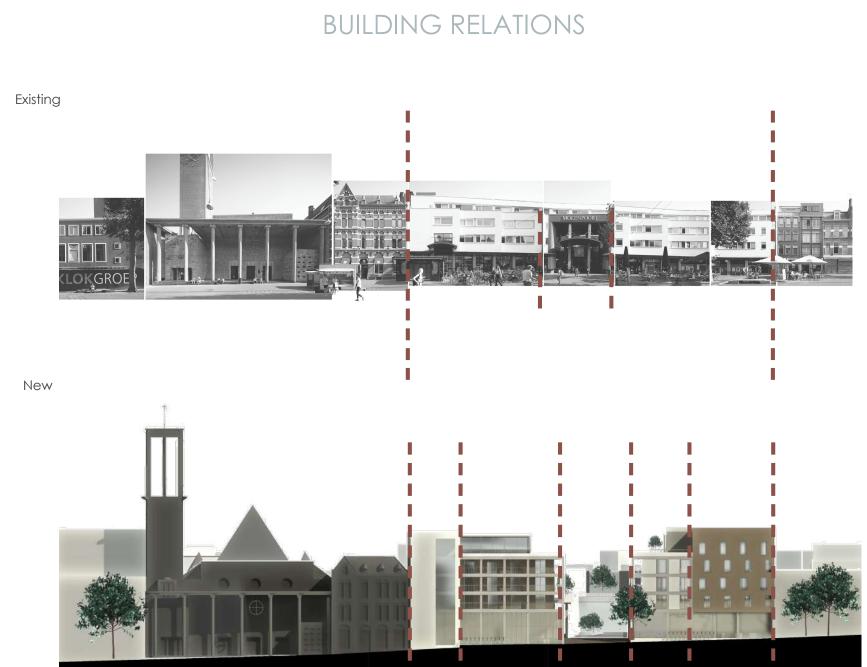
BUILDING RELATIONS

Existing



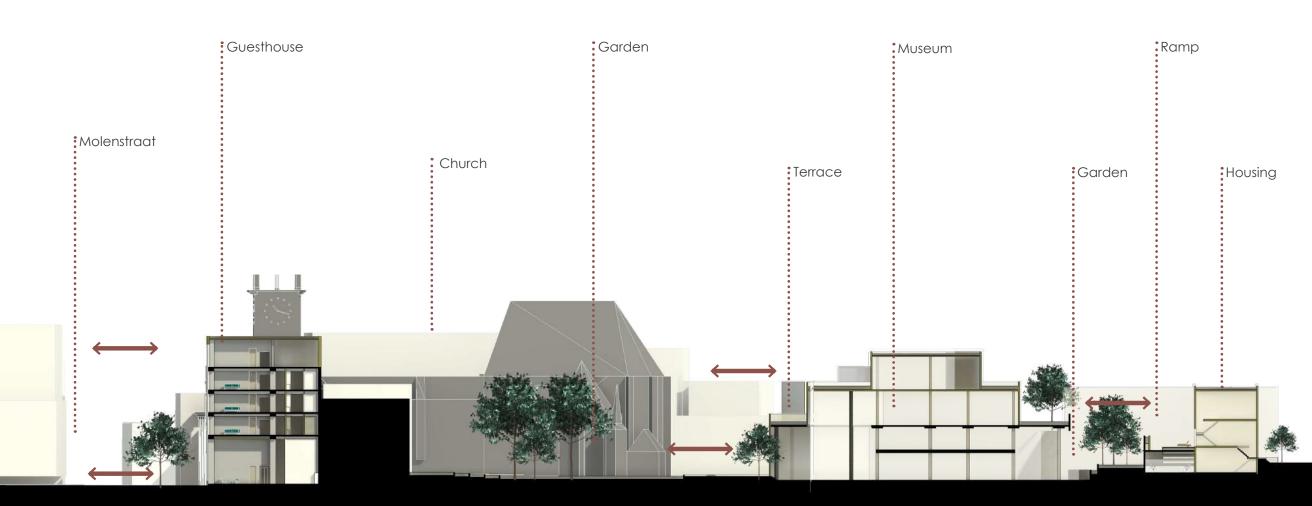
New





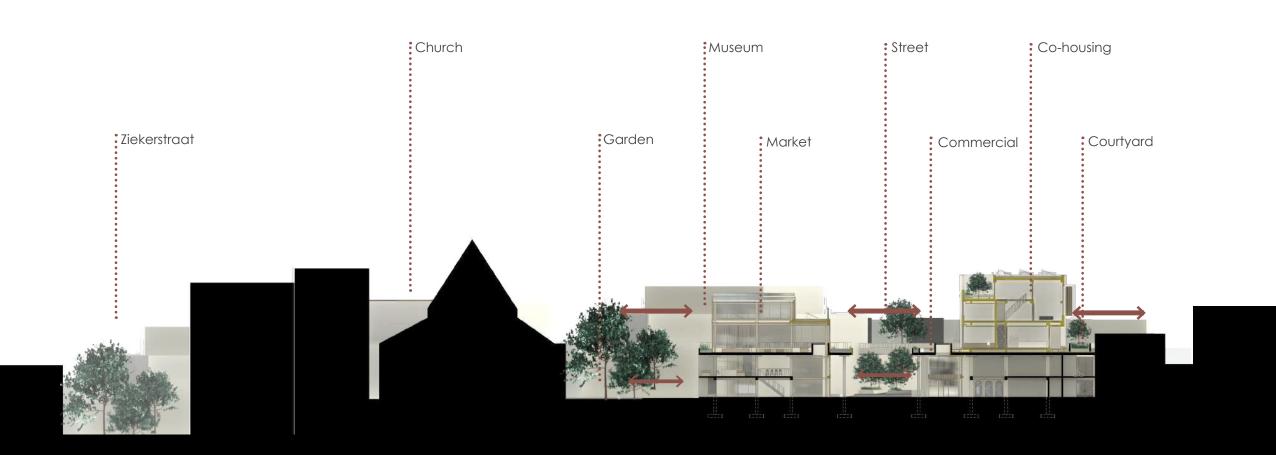


BUILDING RELATIONS SECTION A

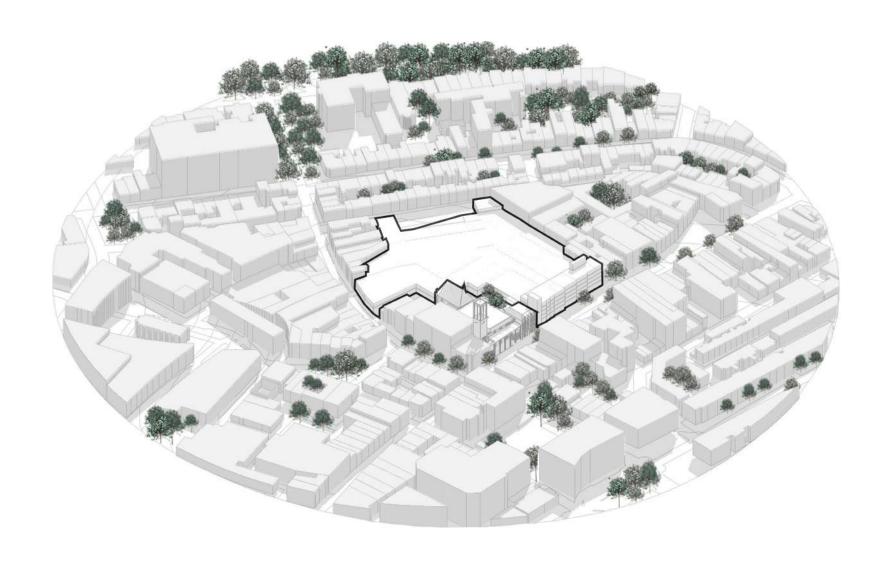




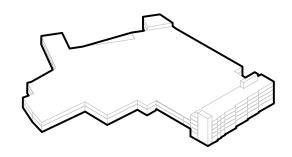
BUILDING RELATIONS SECTION B



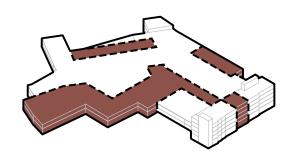
BUILDING LIFE CYCLE INTEGRATION



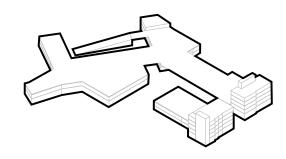
BUILDING LIFE CYCLE CURRENT SITUATION



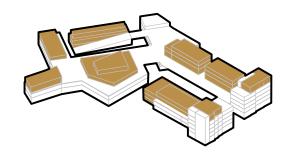
BUILDING LIFE CYCLE



BUILDING LIFE CYCLE PRESERVED



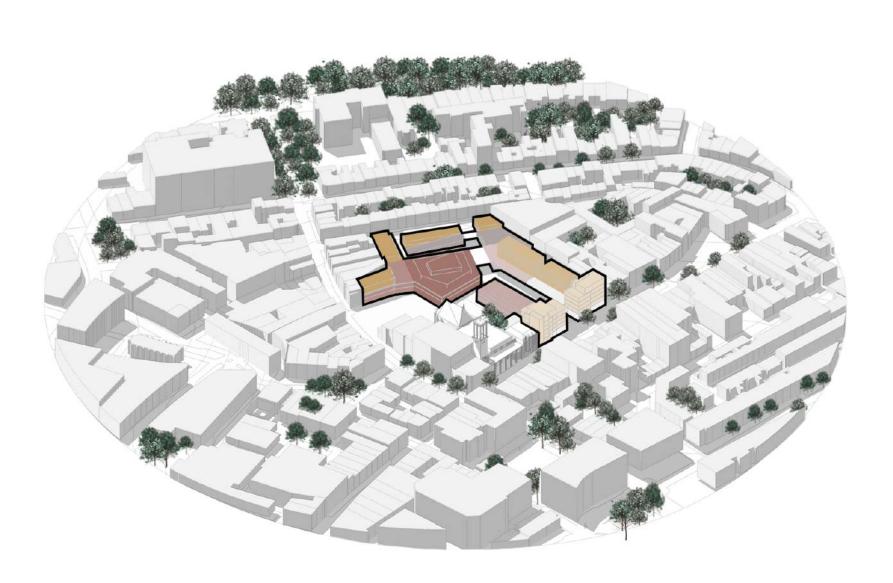
BUILDING LIFE CYCLE ADDITIONS



BUILDING LIFE CYCLE INTEGRATION

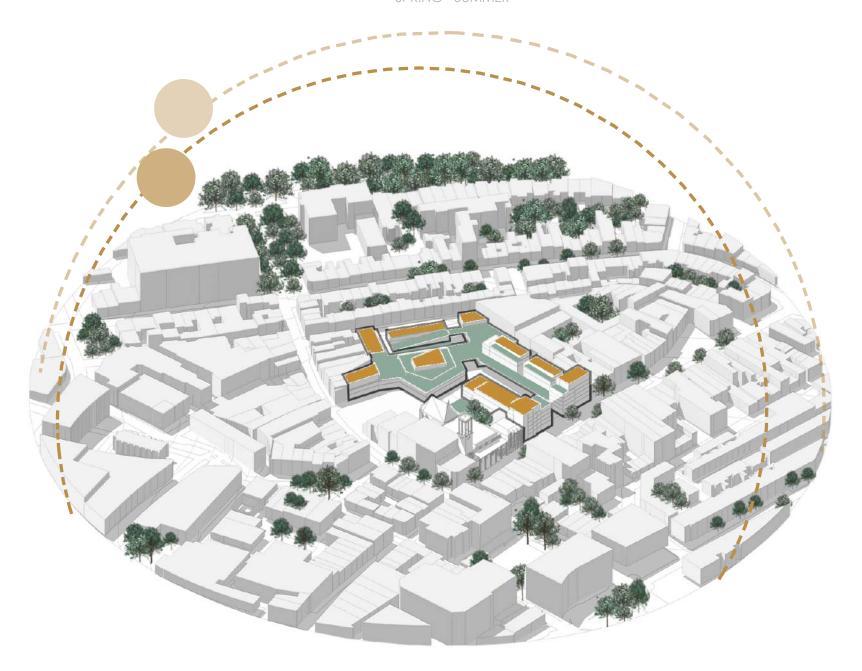


BUILDING LIFE CYCLE FIRST USE

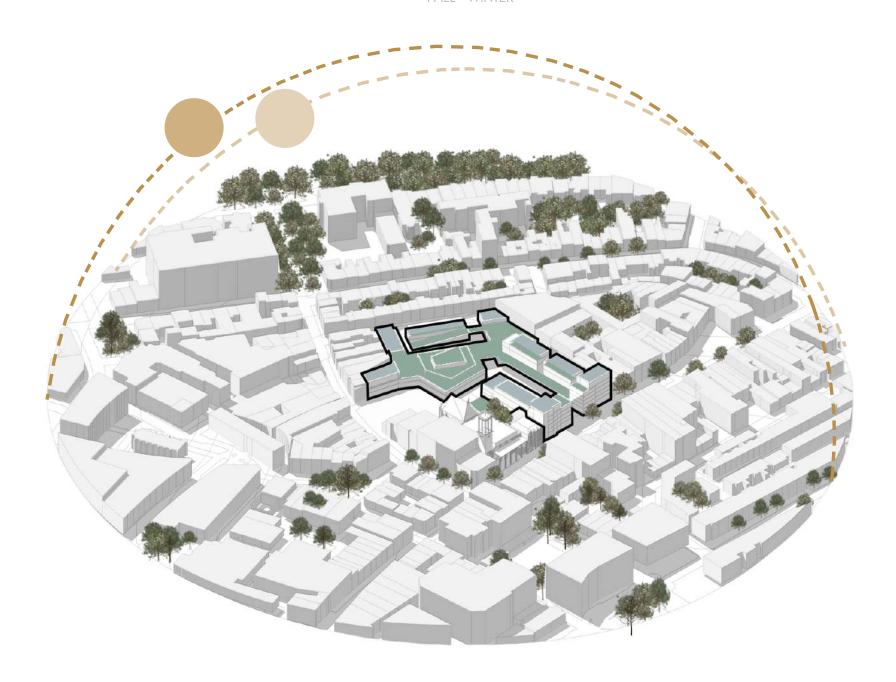


- Gallery
- Atelier
- Market
- Co-working
- Housing
- Co-living
- Student Housing
- Shelter Housing
- Services

BUILDING LIFE CYCLE SPRING - SUMMER



BUILDING LIFE CYCLE



THE EXPERIENCE OF SPACE









Autumn morning 10:00 am



Autumn morning 10:00 am

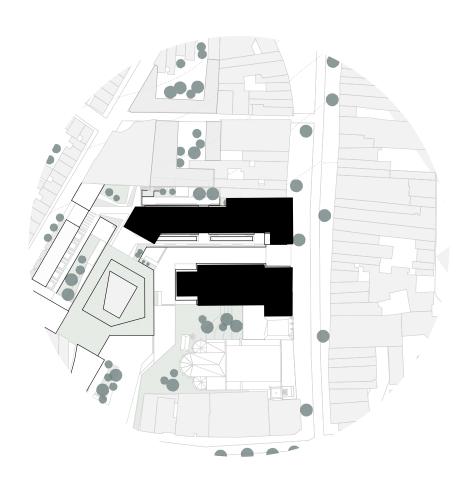




PART 2 FROM CONCEPT TO SPACE



INTERVENTION AREA



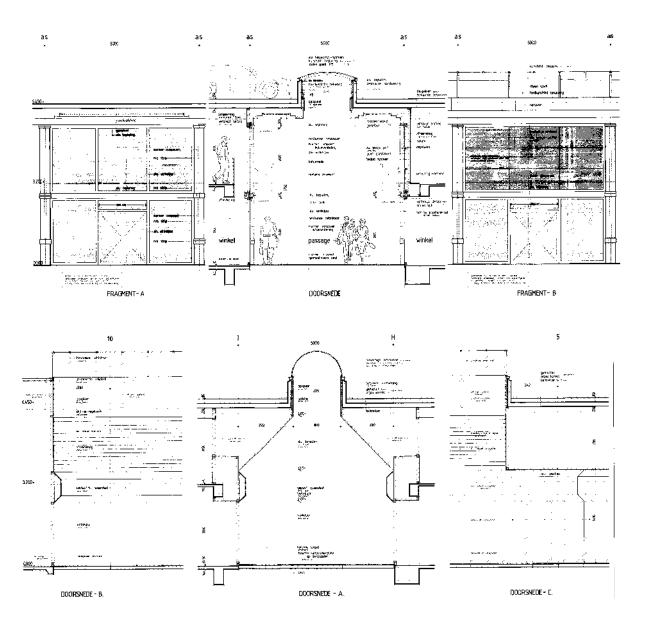
MOLENPOORT

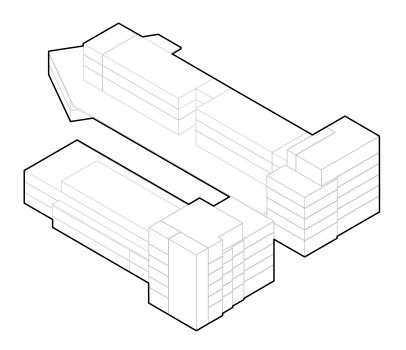






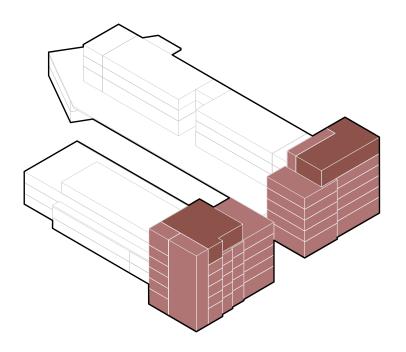






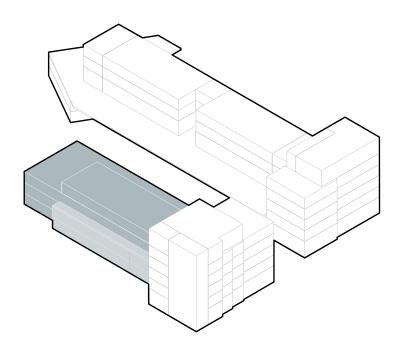
INTERVENTION

REFURBISHMENT AND RETROFITTING



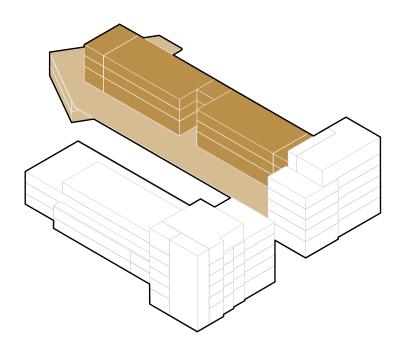
INTERVENTION

CONTRAST AND INTEGRATION

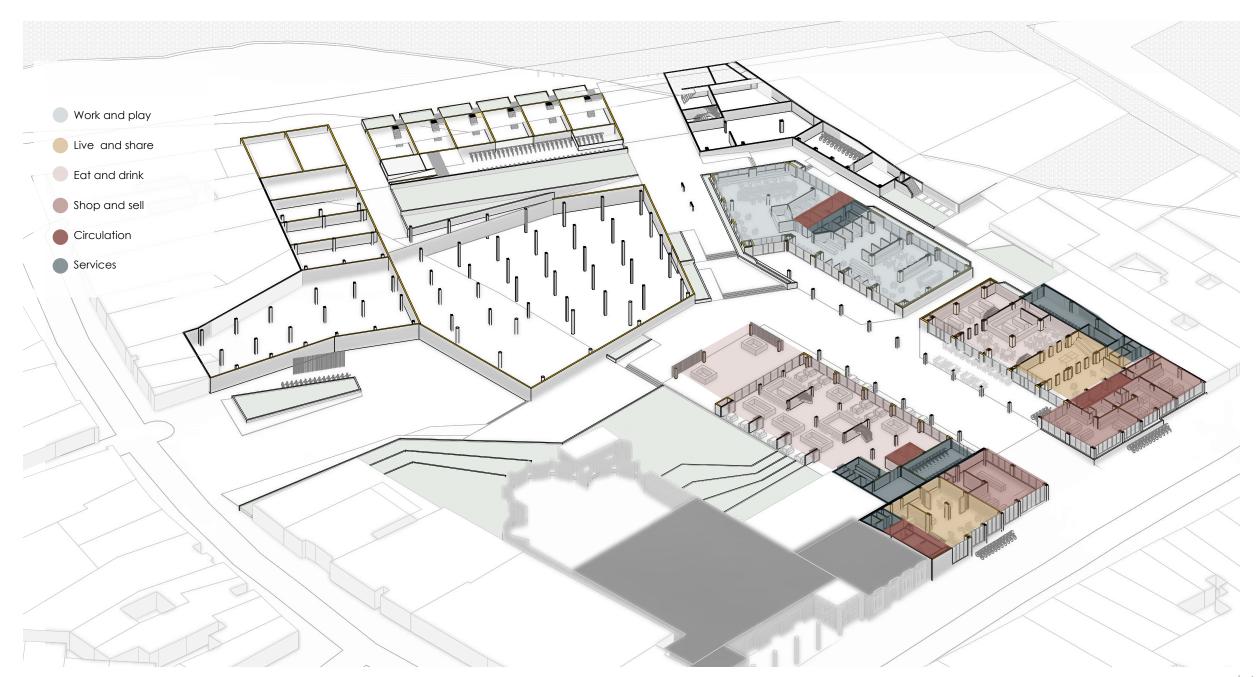


INTERVENTION

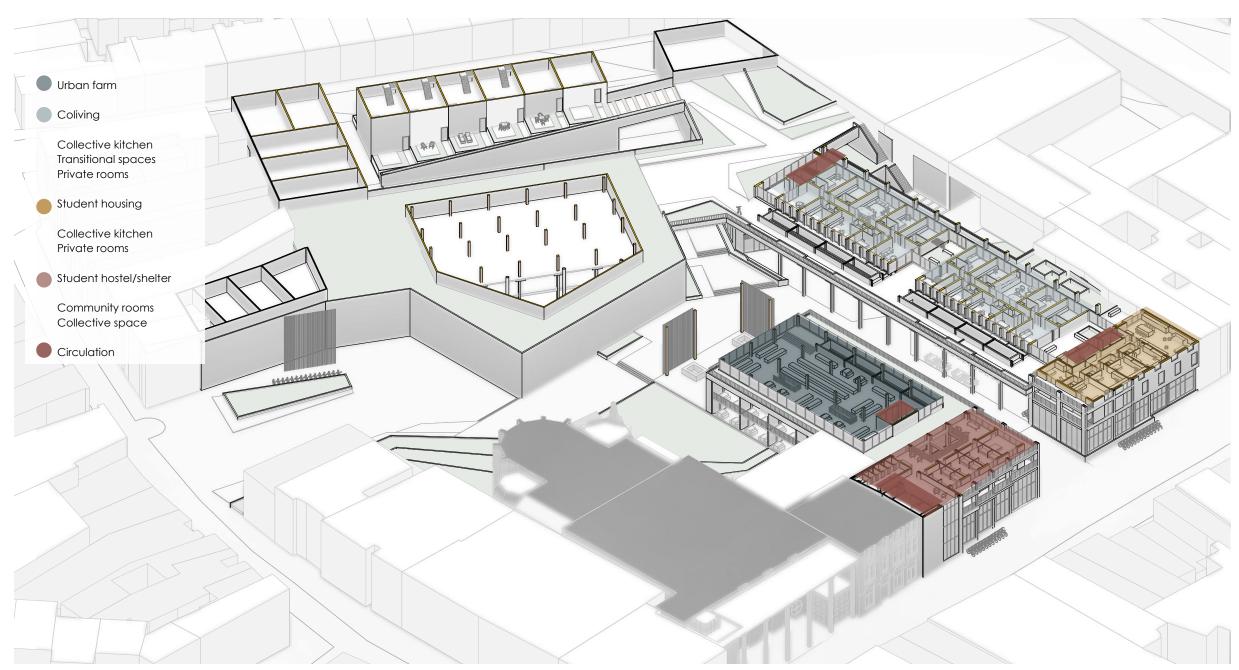
ADDITIONS AND RENOVATIONS



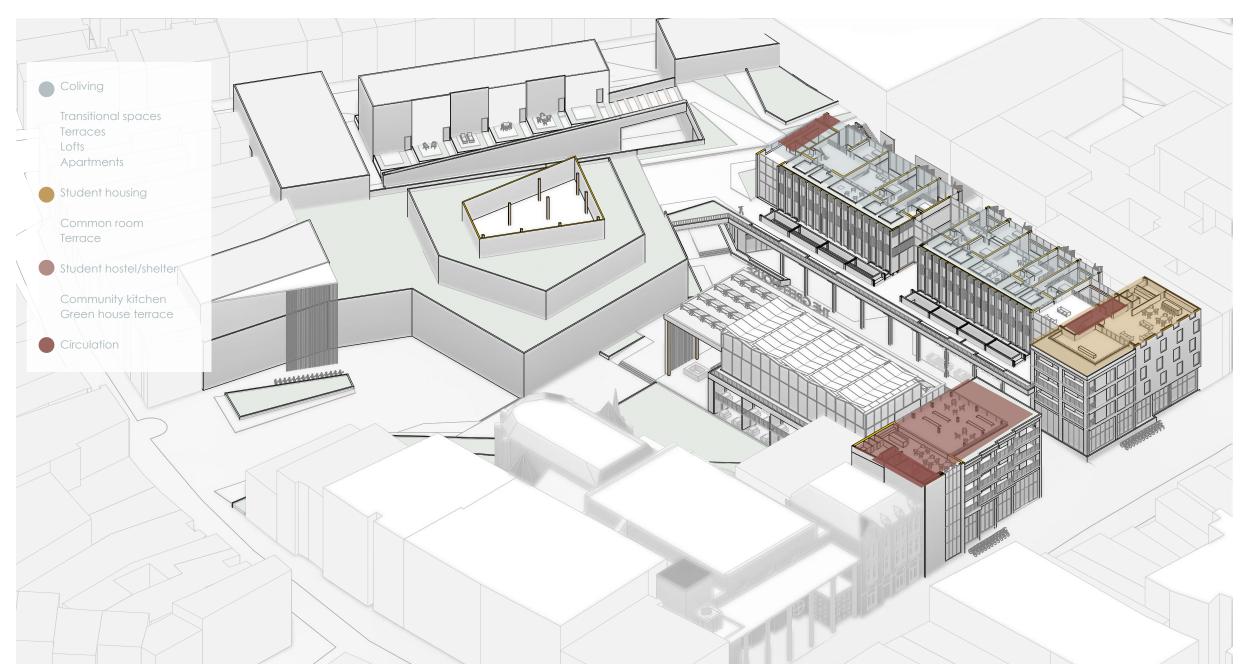
PROGRAM



PROGRAM



PROGRAM



AXONOMETRIC VIEW



WALKING TROUGH THE STREET



Summer morning 10:00 am









THE MARKET AND THE SHELTER

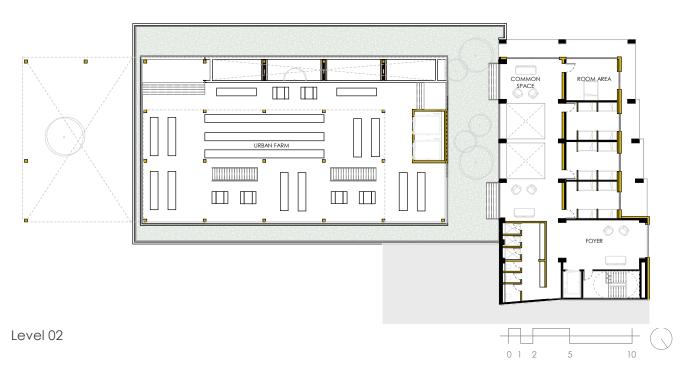






THE MARKET AND THE SHELTER

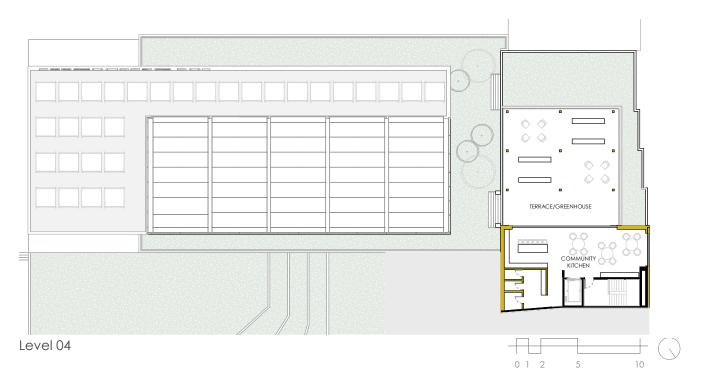






THE MARKET AND THE SHELTER











CONTRAST OF TIMES



New Existing

Previous intervention

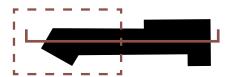
Reused

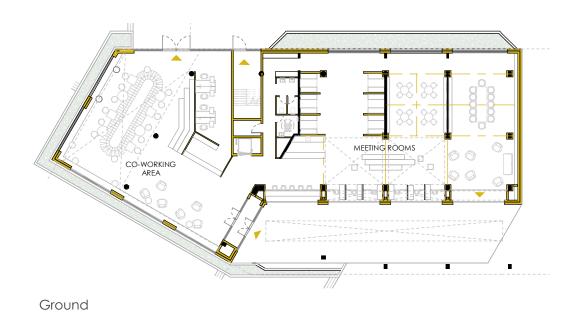


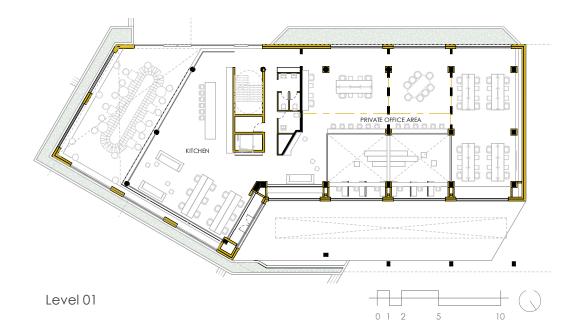


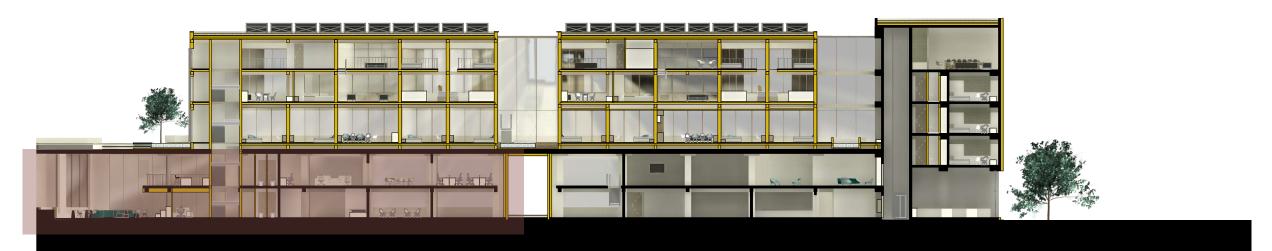












CO-WORKING

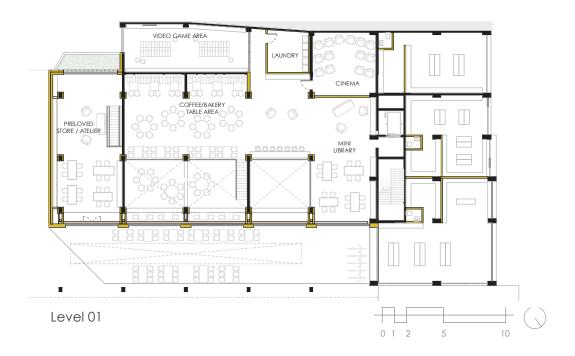
Weekdays in the office 8:00 am +













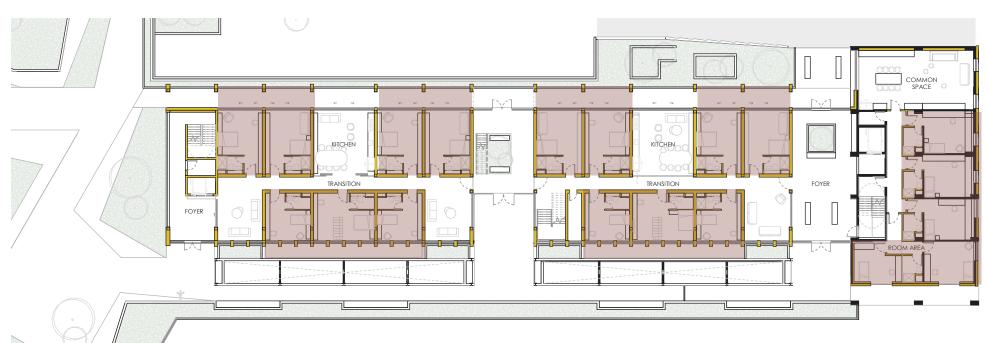
CO-LIVING



Morning coffee 6:00 am +





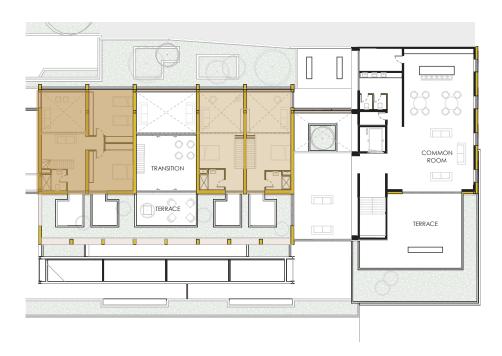


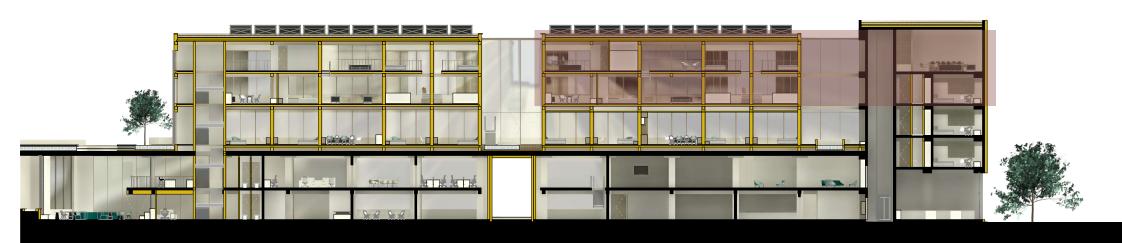




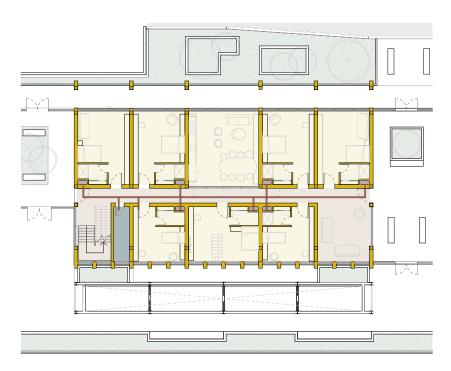


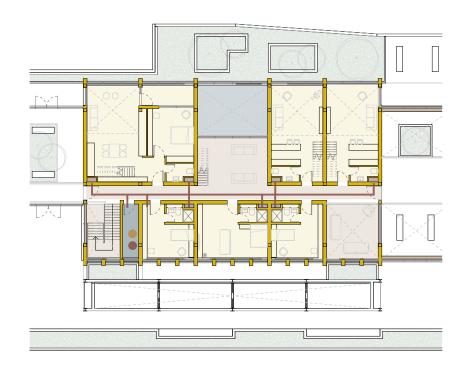












Level 2 Level 3

Climatized Mechanical room

Transition Heat exchanger

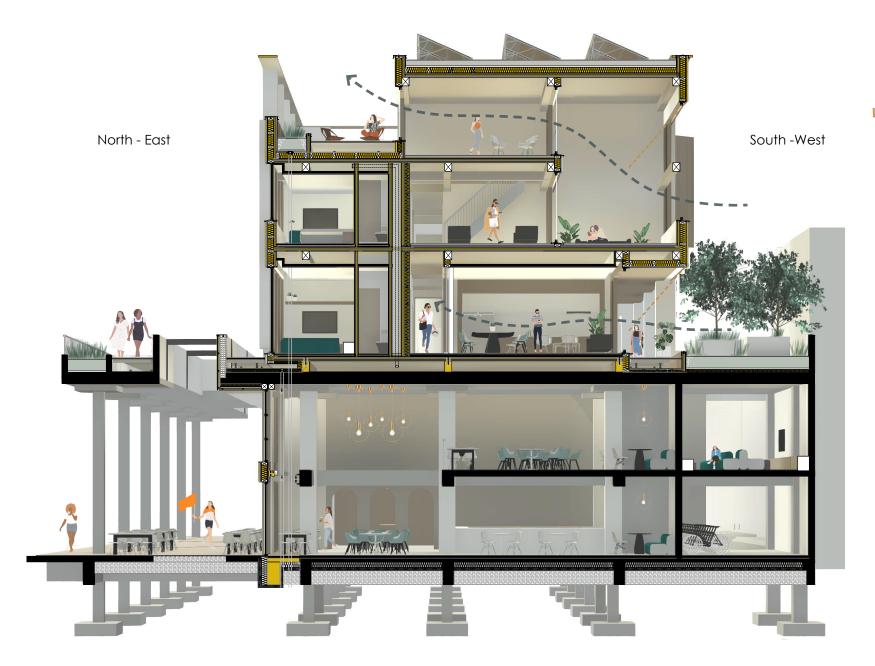
Terrace/Green house Heat pump

Shaft System distribution



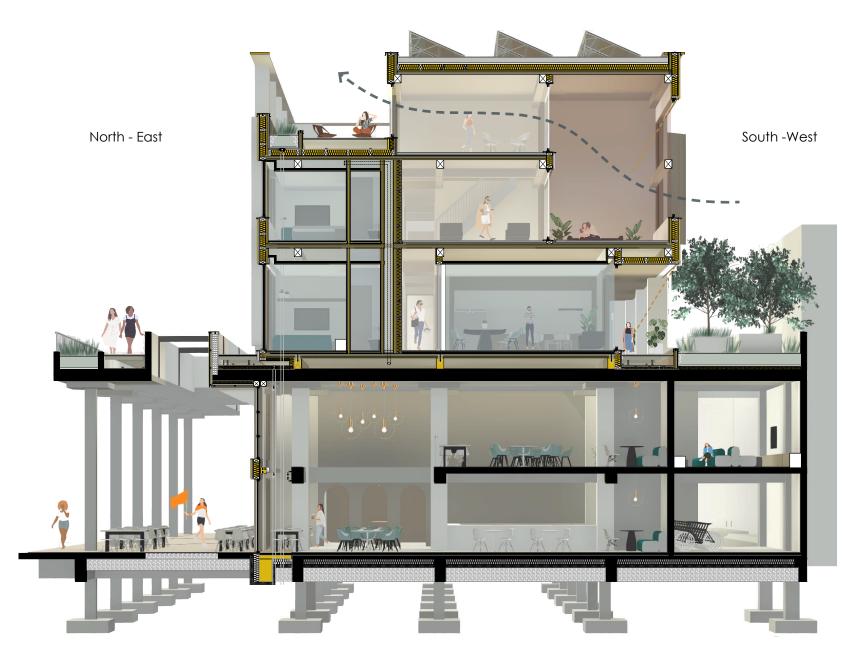


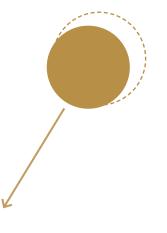














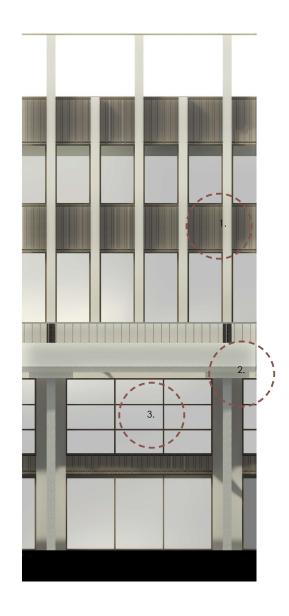








FACADE FRAGMENT

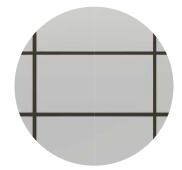




1. Wooden cladding

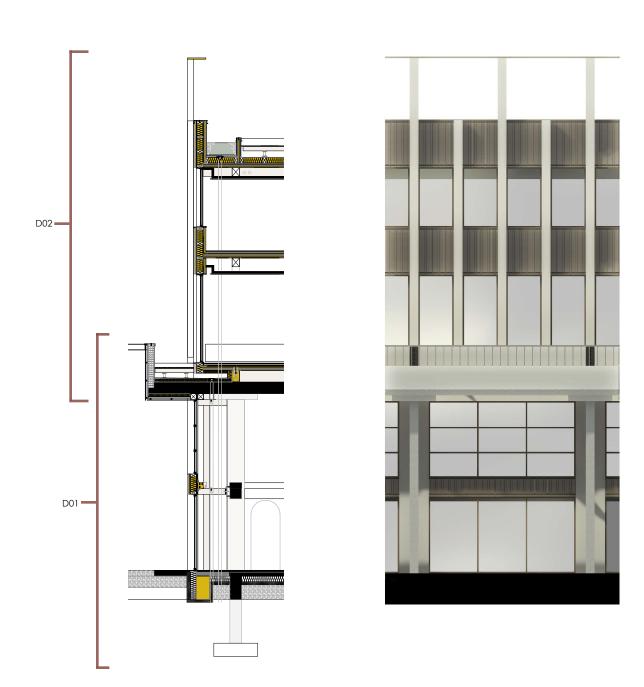


2. Existing columns



3. Reused windows

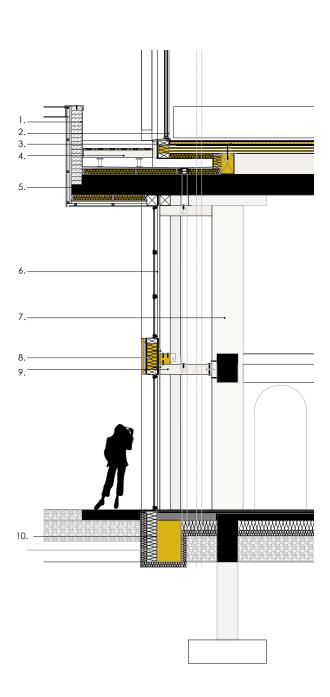
FACADE FRAGMENT

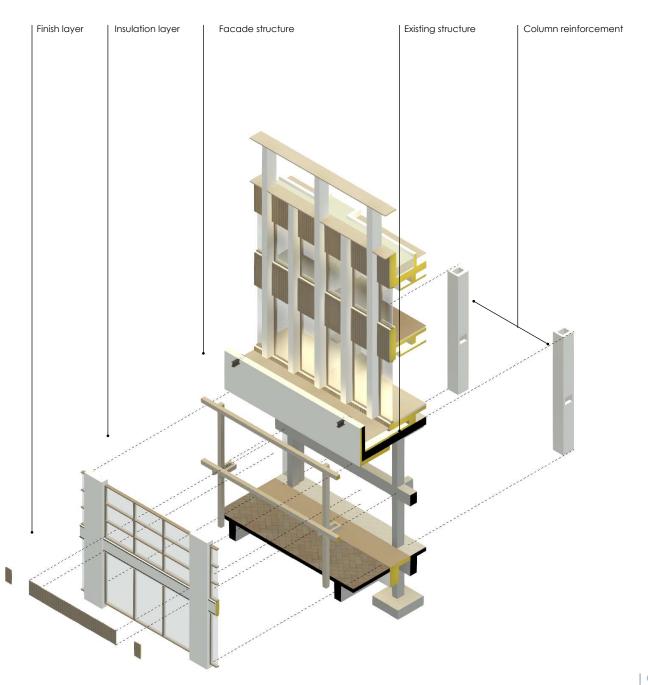




DETAIL 01

- Wall:
 Existing brick wall
 Existing metallic frame
 Waterproof layer
 Soft-board
 Wood cladding structure
 Wooden cladding
- Windows
 Double glass sliding window
 Timber frame
- 3. Floor:
 Packet finish
 Pipe heating system
 Wool insulation
 Moisture Protection
 CLT slab
 Systems space
- Deck:
 Wood structure
 Suspensor
 Waterproof layer
 Wool insulation
- 5. Existing concrete slab
 Wool insulation (1.50m)
 Wood cladding structure
 Wood cladding
- 6. Reused window
- 7. Reinforced column
- 8. Frame:
 Softboard finish
 Moisture Protection
 Wool insulation
 Waterproof layer
 Softboard
 Cladding support
 Wooden cladding
- 9. Timber facade structure
- 10.Facade foundation 800x500 foundation beam Whool insulation Waterproof layer Protection board





1. Wall:

Softboard finish
Waterproof layer
CLT bearing wall
200mm Insulation structure
Waterproof layer
Softboard
Cladding support
Wooden cladding

2. Garden 400 mm earth Gravel Rubbber filter Rubber drain Waterproof layer Wool insulation CLT slab

3. Deck:
Wood structure
Suspensor
Waterproof layer
Wool insulation

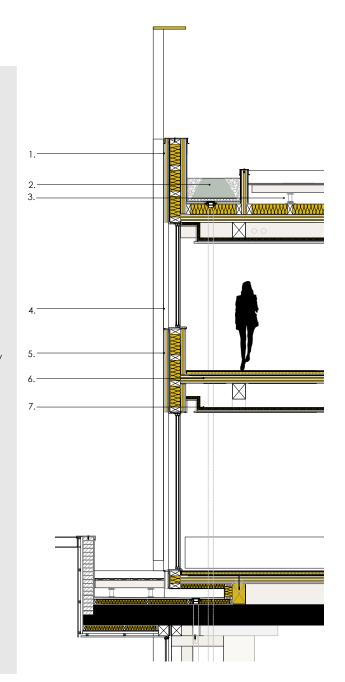
4. Double glass sliding window

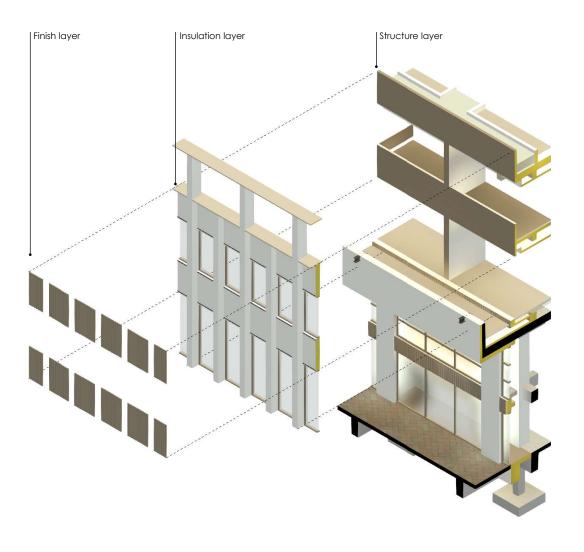
5. Wall:

Softboard finish
Waterproof layer
CLT bearing wall
200mm Insulation structure
Waterproof layer
Softboard
Cladding support
Wooden cladding

6. Floor:
Packet finish
Pipe heating system
Impact sound insulation
Moisture Protection
CLT slab
Systems space

7. Ceilling:
Systems space
Cooling system
Ceilling structure
Sound insulation





REFLECTION

"The architects work is just the beginning, establishing a framework for a long slow-moving process."



WHAT'S NEXT?



GRACIAS!

THANK YOU!

DANK U!

ہیرکش

GRACIAS!

THANK YOU!

DANK U!

TEŞEKKÜR EDERİM

MULTUMESC

OBRIGADA

99