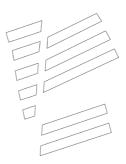
# **MODERNIZING A CITY OF MIGRANTS**

The Hidden Informal World of Tarlabaşı



Borders & Territories - Transient Liquidities along the New Silk Road II Ron Weissenburger - 4676971 MSc 3/4 - Architecture TU Delft P5 - 26.06.2023

In 2000 the Urban Transformation Project in Istanbul started.

According to the UN Nations Habitat report of 2009, at least 1.000.000 residents of Istanbul were under threat of forced eviction due to Urban Transformation Projects. In 2009 there were 17.018.735 people living in Istanbul.

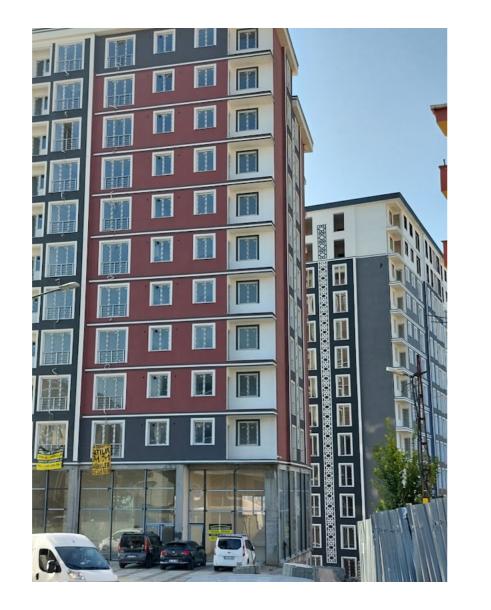


Photo by Günboyu

"We should find a way to keep poor people from the city of Istanbul"

(Erdogan Bayraktar, chairman of the Mass Housing Administration of Turkey)







TOKI versus the informal settlement

Urban renewal or gentrification or however you want to name it, is seen as a necessary tool to erase certain parts of social and physical identities created in the last 50 years via programs of demolition and resettlement.





TOKI propoganda on school in Demirkapı in Istanbul

Residents are evicted or given unfair compensation to leave their homes or workplaces. As a result, the gentrification processes result in a displacement of the poor, driving them away from the city center and their informal work.



Photo by BBC News

Gezi Park Protests; 2013

'Her yer Taksim, her yer direnis''Everywhere is Taksim, everywhere is resistance'



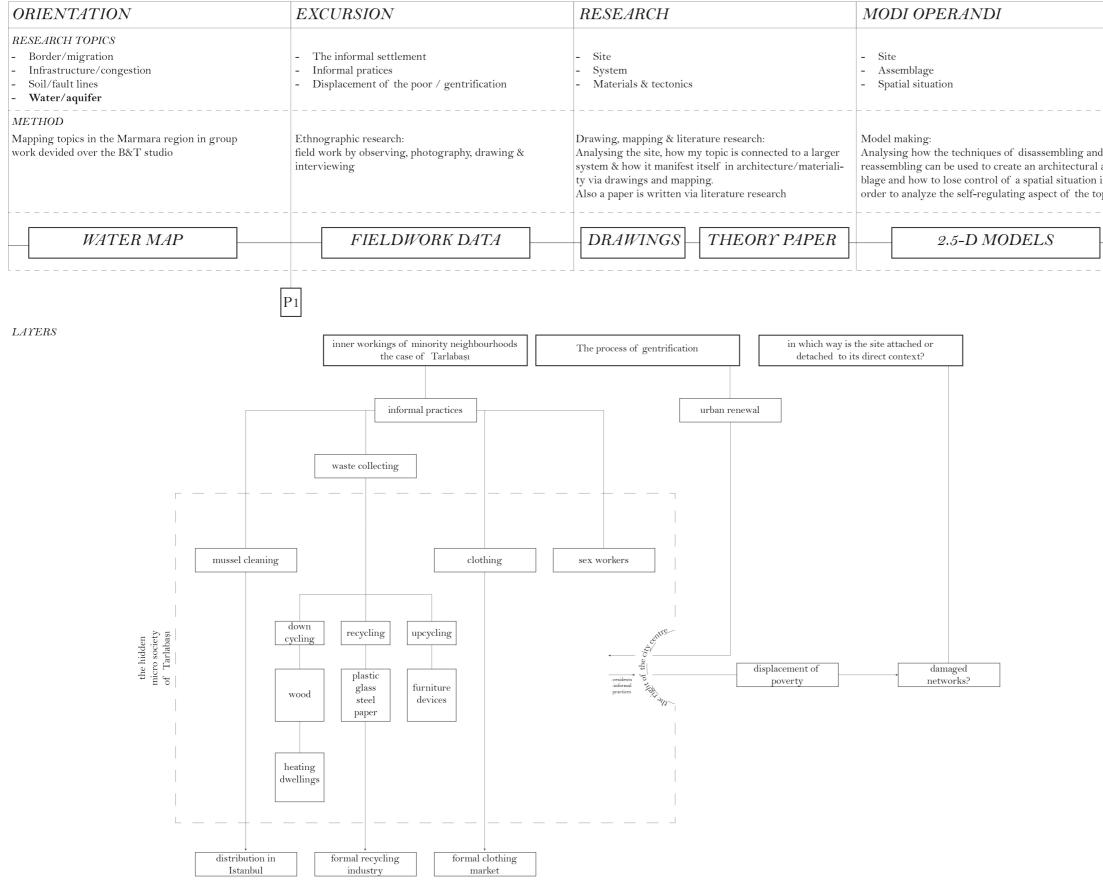


From the VICE News documentary: The New Gezi Park Protesters: Istanbul's Gentrification Wars

Gentrification war?

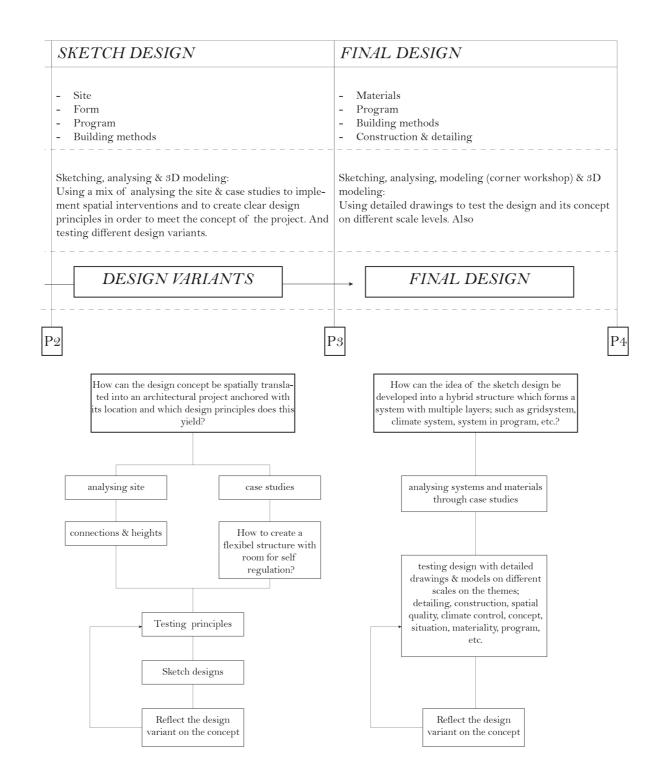
This project aims to take a critical look at the current neoliberalist modernization processes of urban areas around the world through the case of Istanbul. Urban informality is receiving more and more attention in the literature, but there is still a lot of uncertainty about how we can deal with this phenomenon in urban design and architecture. Research question:

In which way can architecture contribute in creating awareness in the importance and strengths of informality and address that formality and informality are linked in a dynamic, interrelated and complex system? Research - The hidden informal world of Tarlabasi
 Design Strategy - Modernising a migrant city
 Design - A hybrid shelter for informal practices



## Research framework

	DESIGN BRIEF		
	- Site - Strategy - Program		
l assem- in pic.	Conclusions research: Using the input of the research to translate it in a design strategy.		
	$\rightarrow$ DESIGN STRATEGY		
	P2		



Research framework

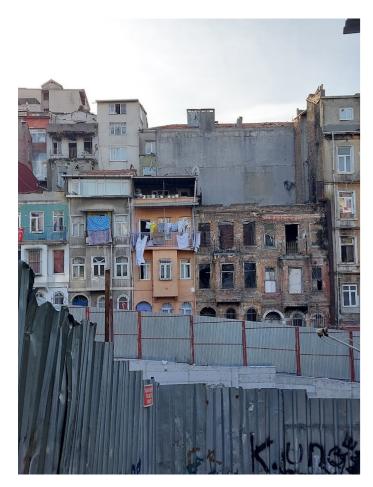
1. Research - The hidden informal world of Tarlabası

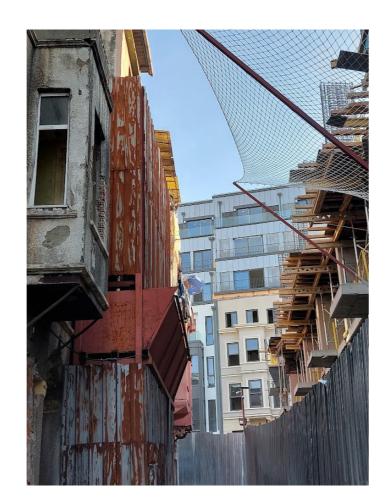
# 1.1 Site

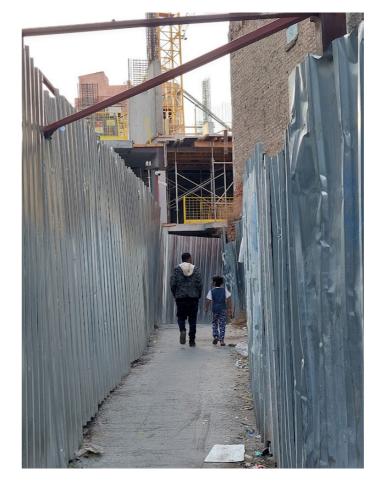
gentrification eviction the hidden informal world



İstanbul; Tarlabaşı





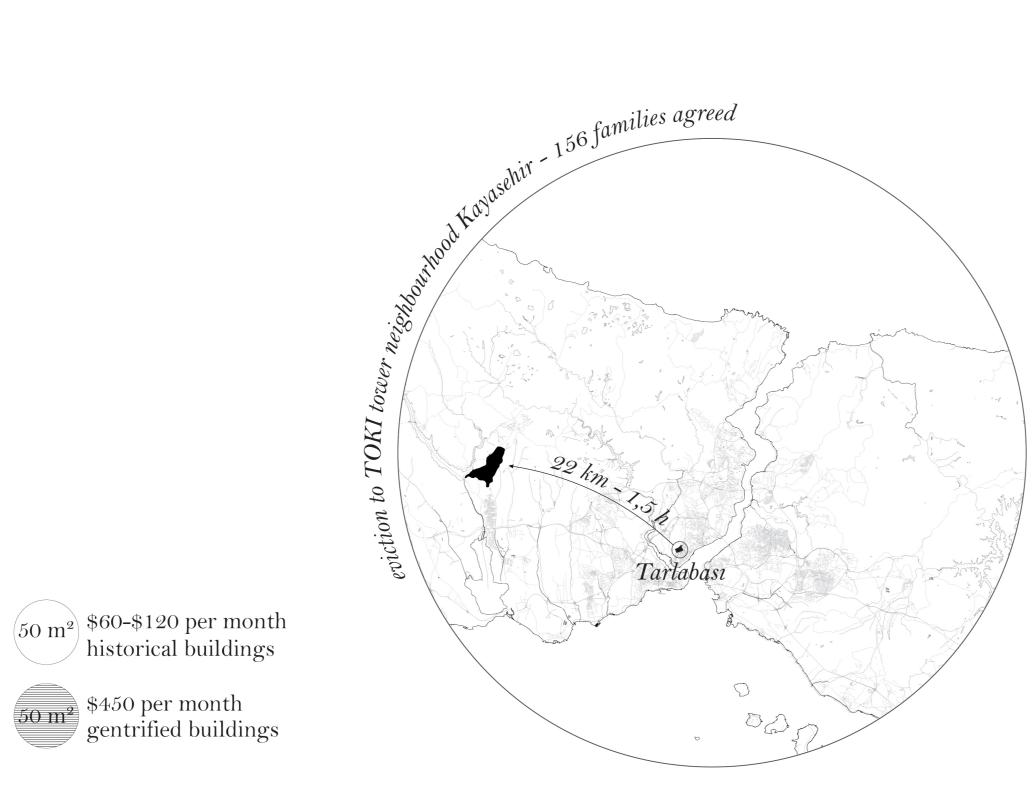


## Gentrification in Tarlabaşi



Gentrification can be described as a process of reforming an existing inhabited area to accommodate a wealthier group, often at the expense of established cultural identity and poorer residents.

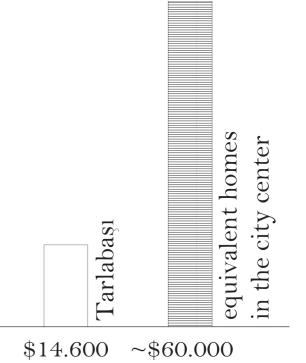
Definition of gentrification

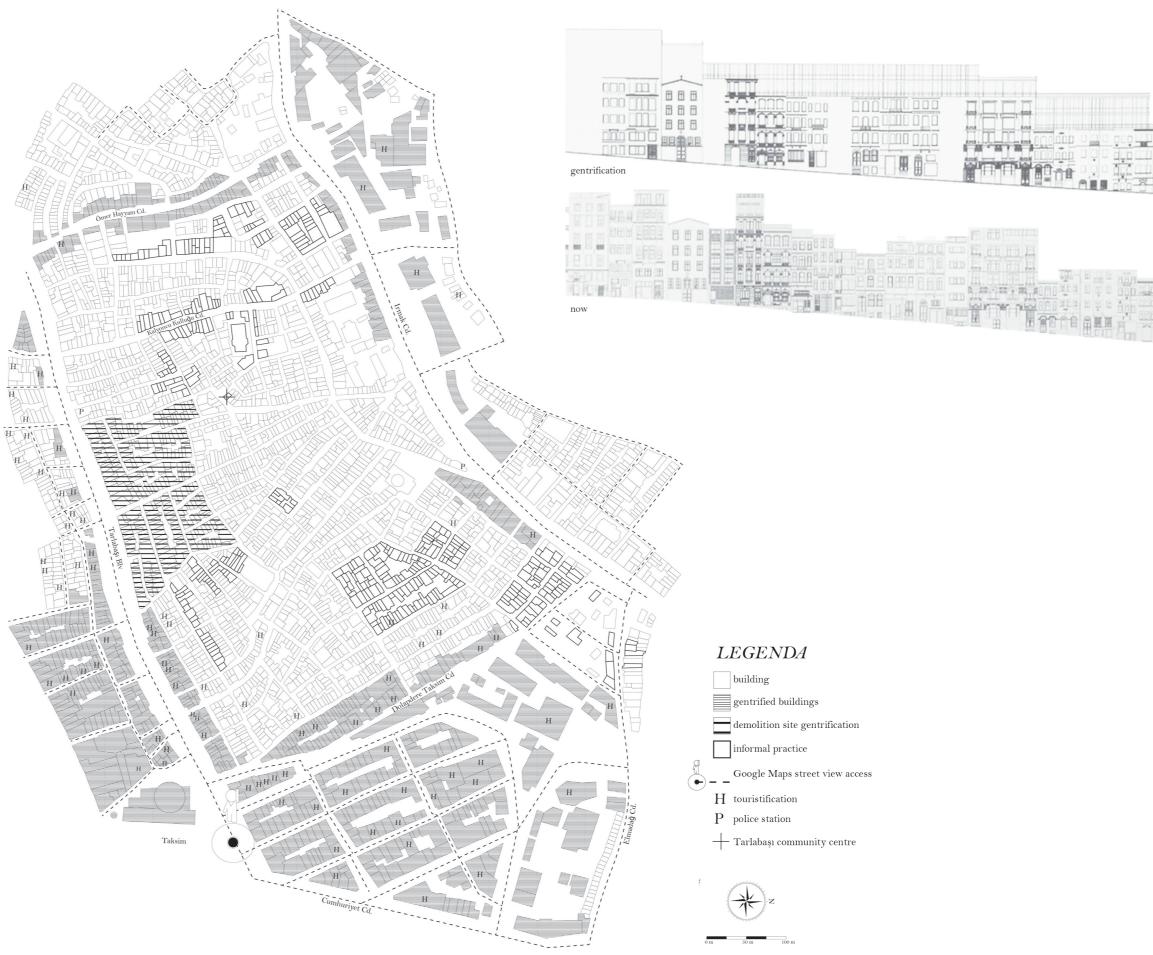


Rent gap

Expensive eviction option to the edge of Istanbul

## Eviction offer



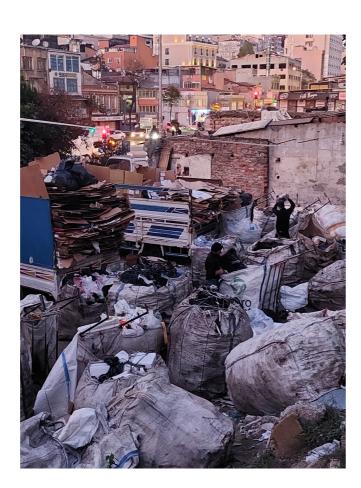


The hidden informal world of Tarlabaşı



Informal clusters - waste picking & car repairation



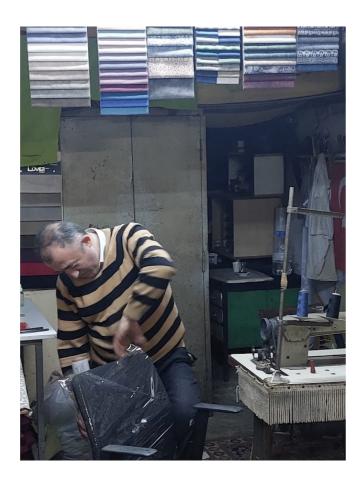




Informal practices - çekçekçi & hurdacı









Informal practices – furniture & woodworkers



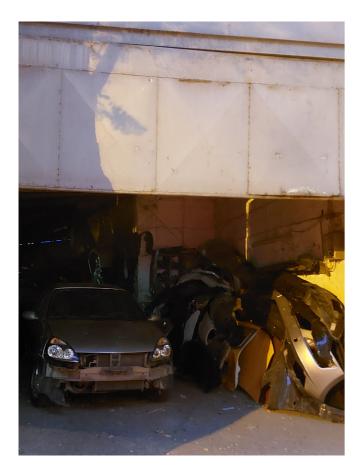




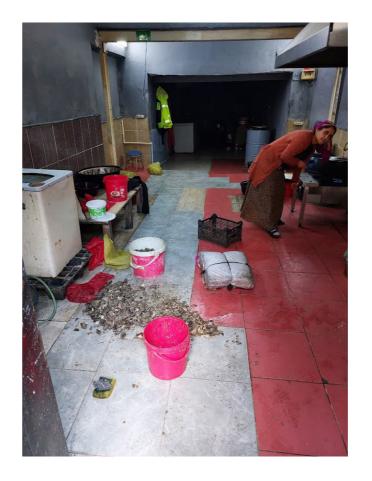


Informal practices - metal workers & jewelry makers

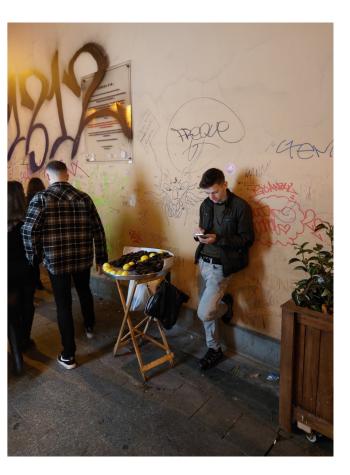


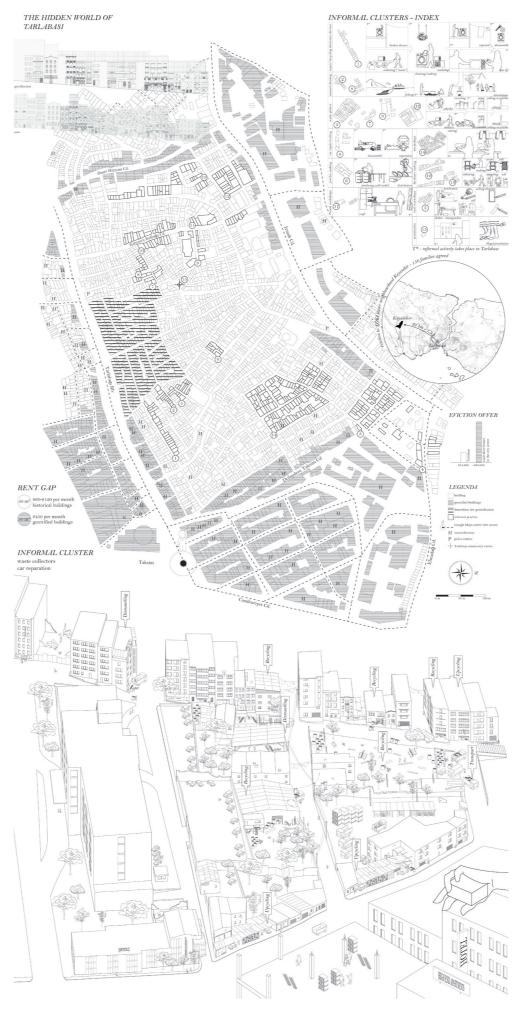






Informal practices - car repairation & mussel cleaning

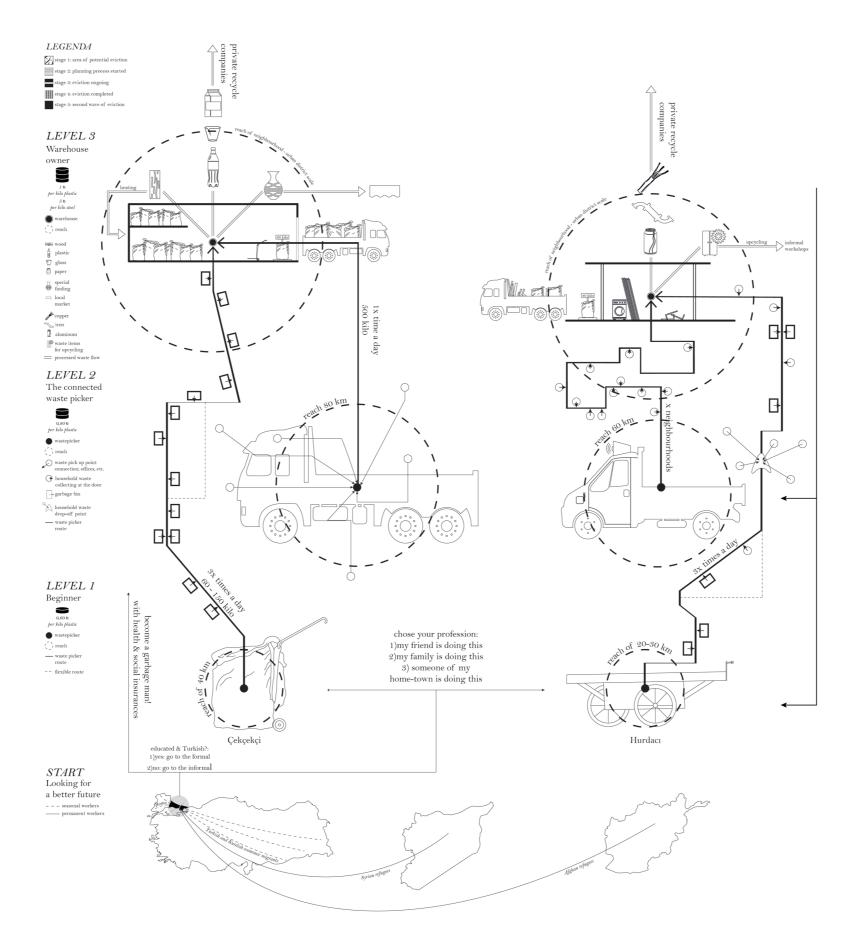




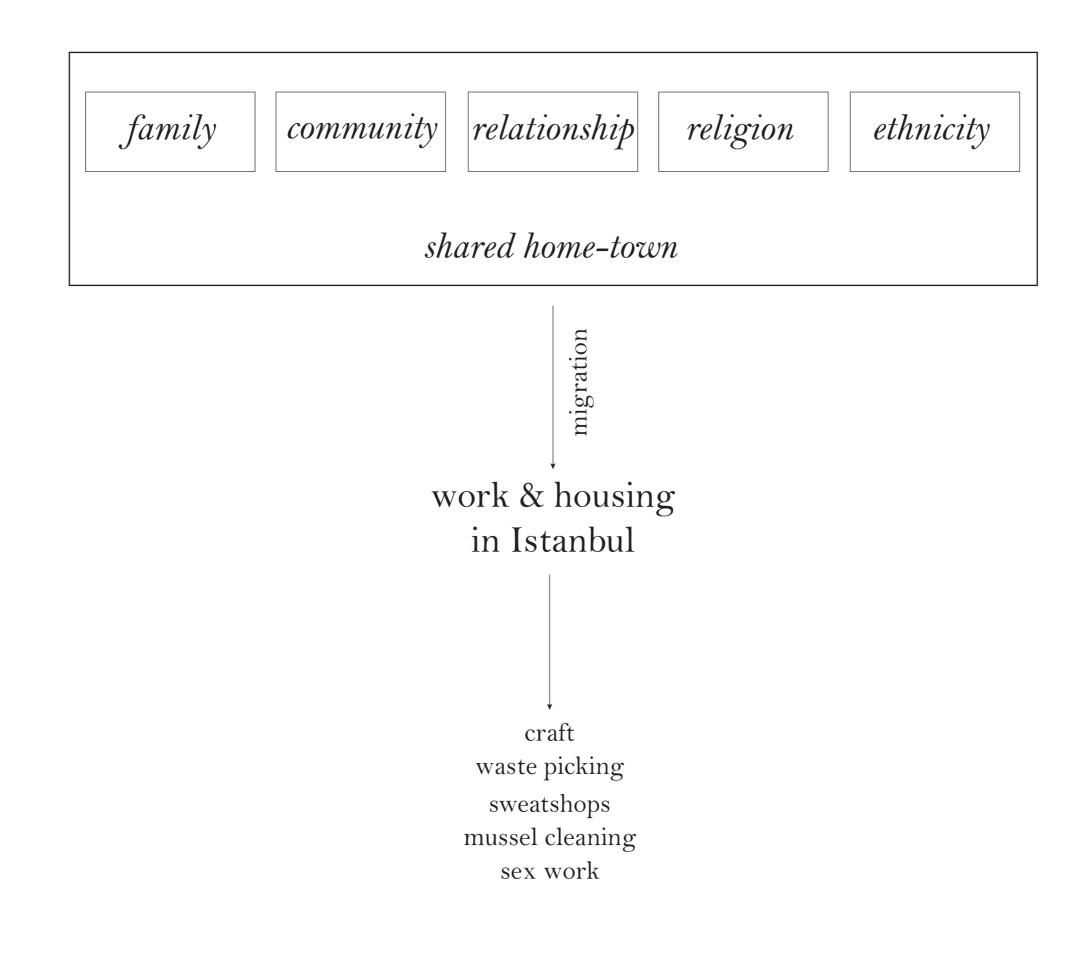
The hidden world of Tarlabaşı

# 1.2 System of Hemşehri

the system of hemsehri spaces & hemsehri

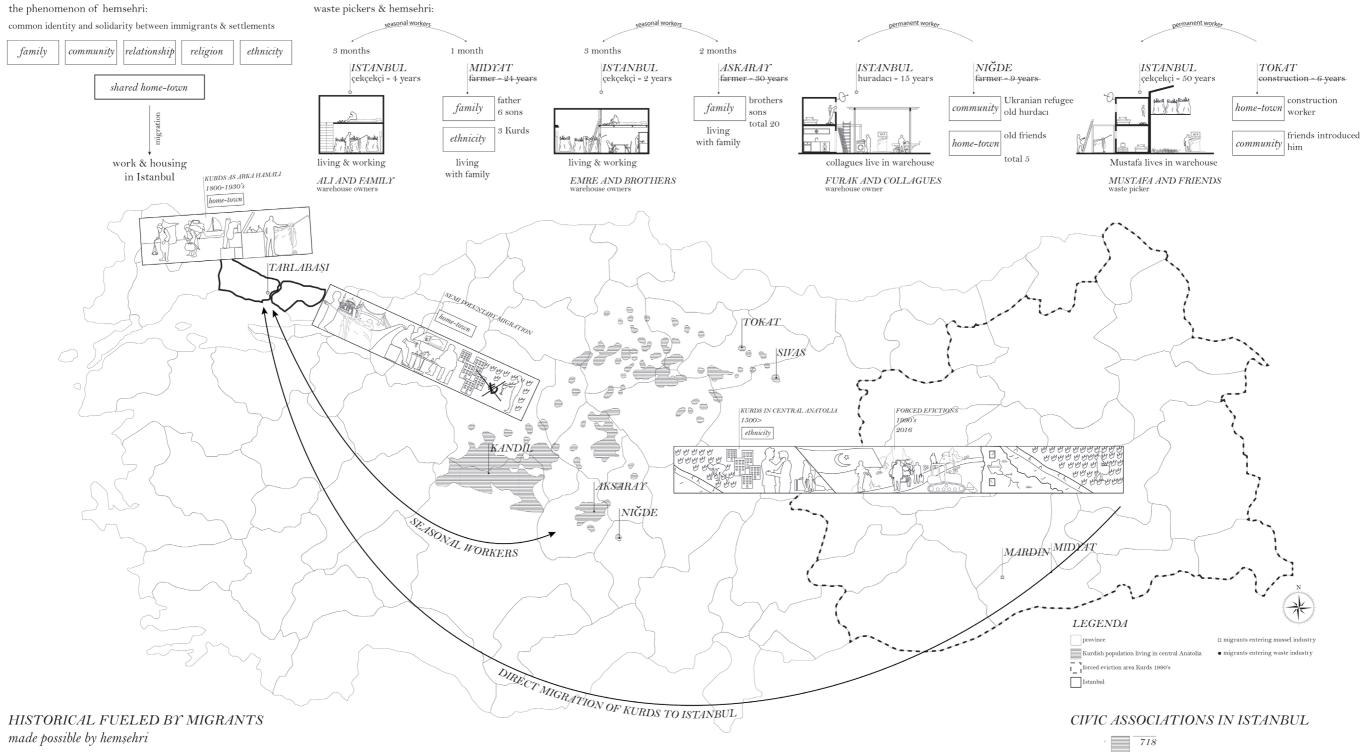


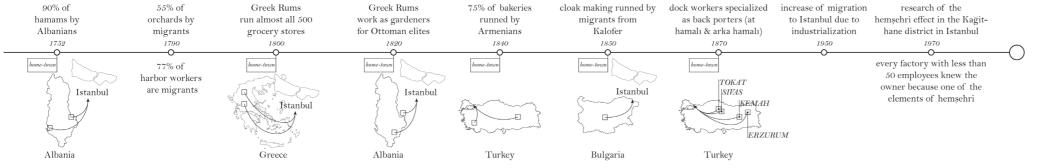
The informal side of waste



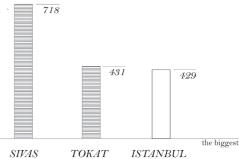
The phenomenon of hemsehri: common identity and solidarity between immigrants & settlements

### THE SYSTEM OF HEMŞEHRI (SHARED HOME-TOWN)



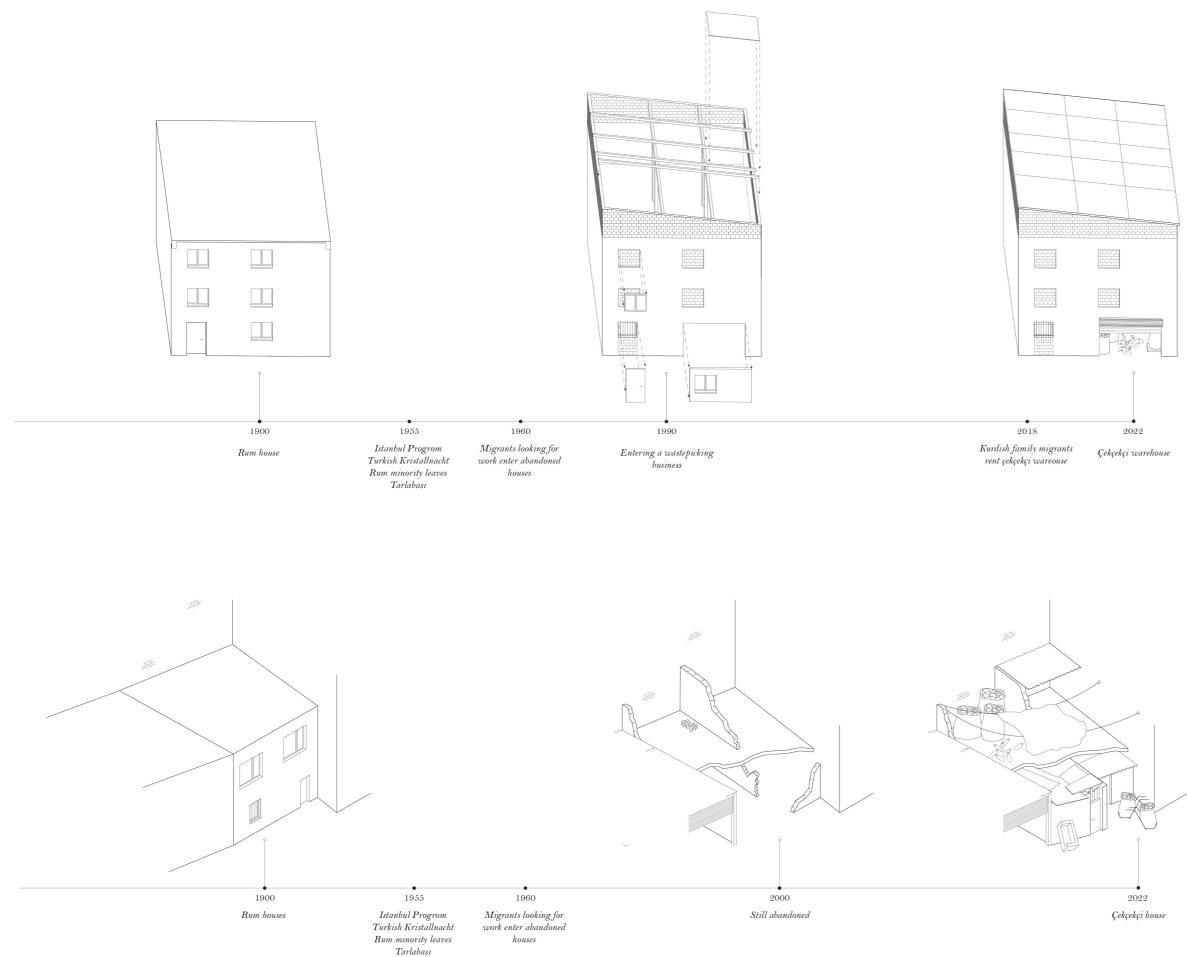


The system of hemsehri



# **1.3 Informal materials & tectonics**

informal typologies global informality informal elements



**Informal workplaces -** the transformed Rum dwelling



extension corrugated iron



extension steel beams



extension brick

old facade stucco

ELEMENTS

	roof
sleeping	level 2
storage	level 1
recycling	ievei 1
& weigh	ground floor

### PROGRAM



canvas plastic



new roof steel beams & corrigated iron

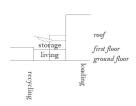


new facade



ruins brick

ELEMENTS



PROGRAM



Informal workplaces - the communal çekçekçi field & the self-built hurdacı warehouse



### open storage fences steel beams & corrigated iron





ruins brick

ELEMENTS







canvas plastic



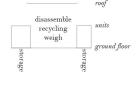
extension roof steel beams & corrigated iron



walls brick & corrugated iron

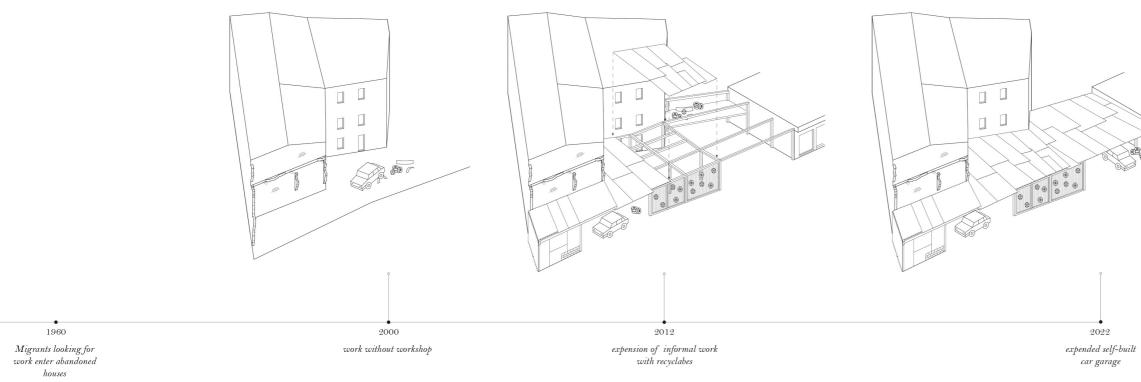


units wood



PROGRAM

### ELEMENTS



**Informal workplaces -** growing car repairation business



extension roof steel beams & corrigated iron



extension walls recycled steel frames

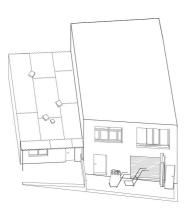


storage level floor wood

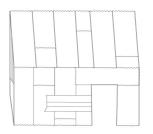
ELEMENTS

living living living first floor – ground floo

PROGRAM



Turkey transformed and self-built

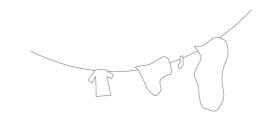


Ghana mainly self-built



self regulating structures

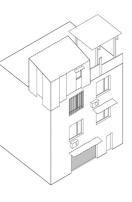




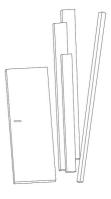
adequate

communal structures

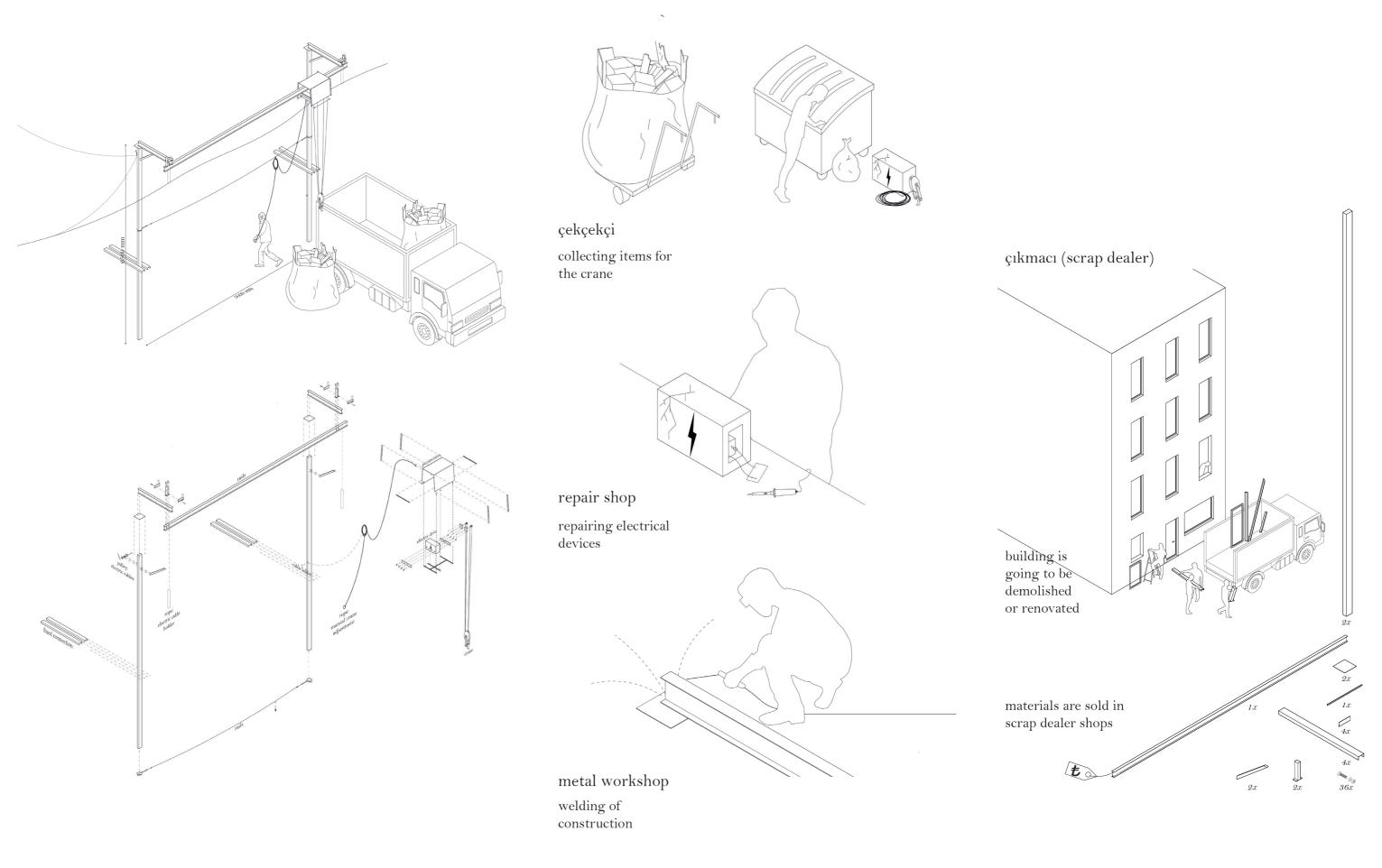
## Global informality & elements



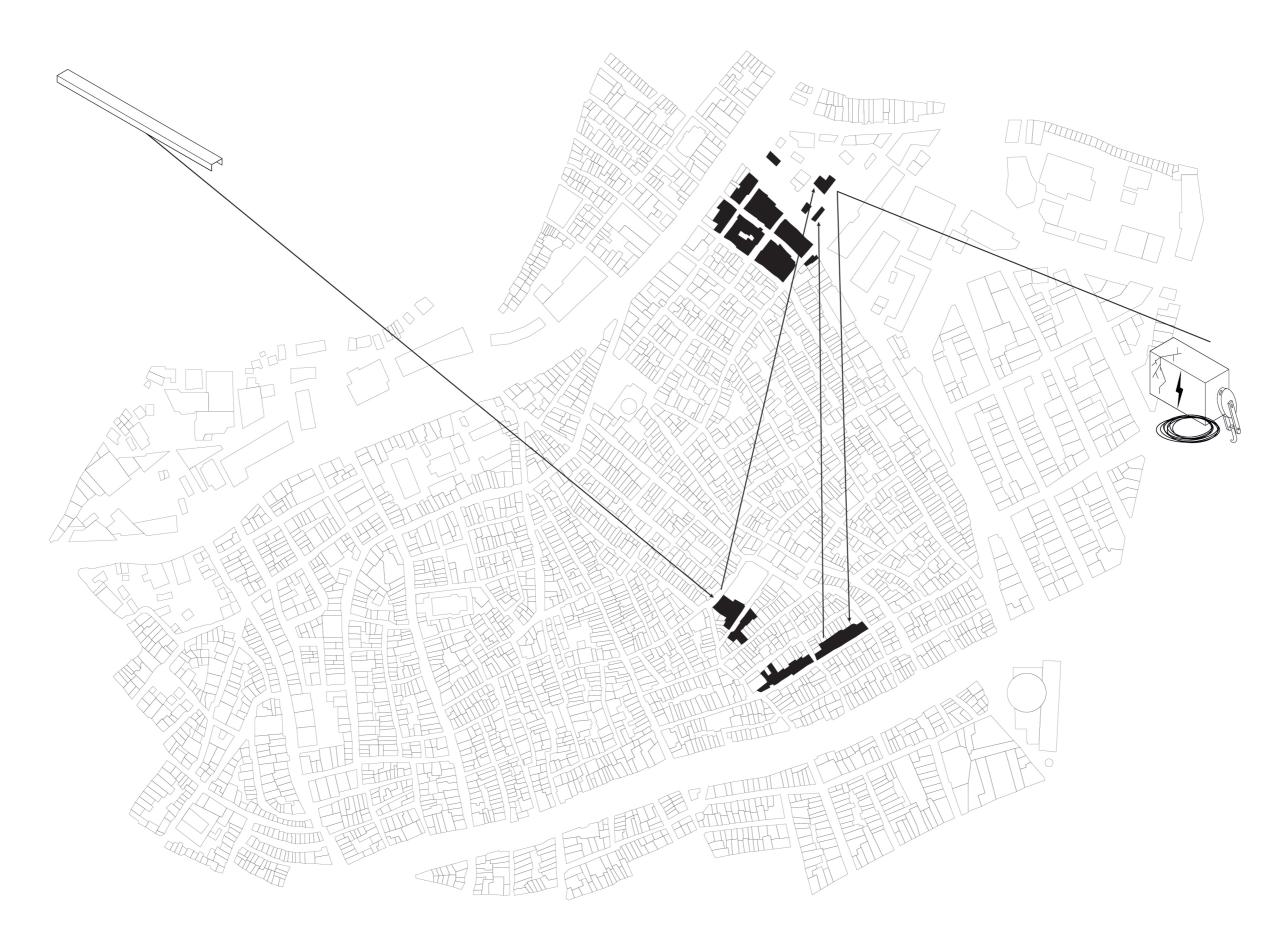
India transformed and self-built



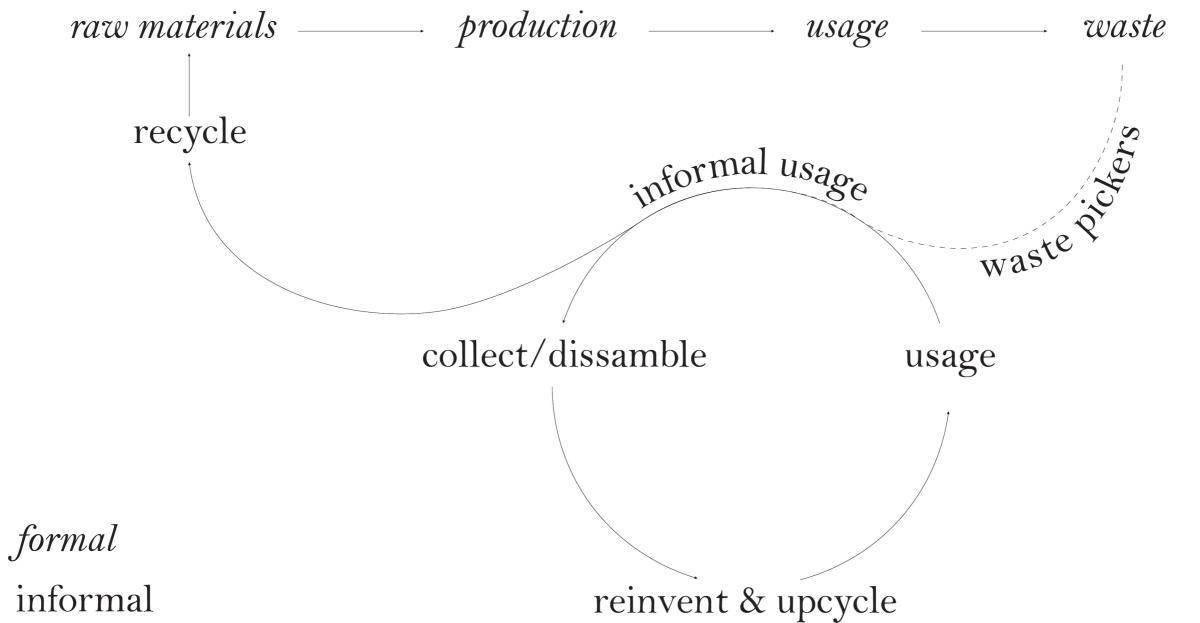
re-use and upcycle



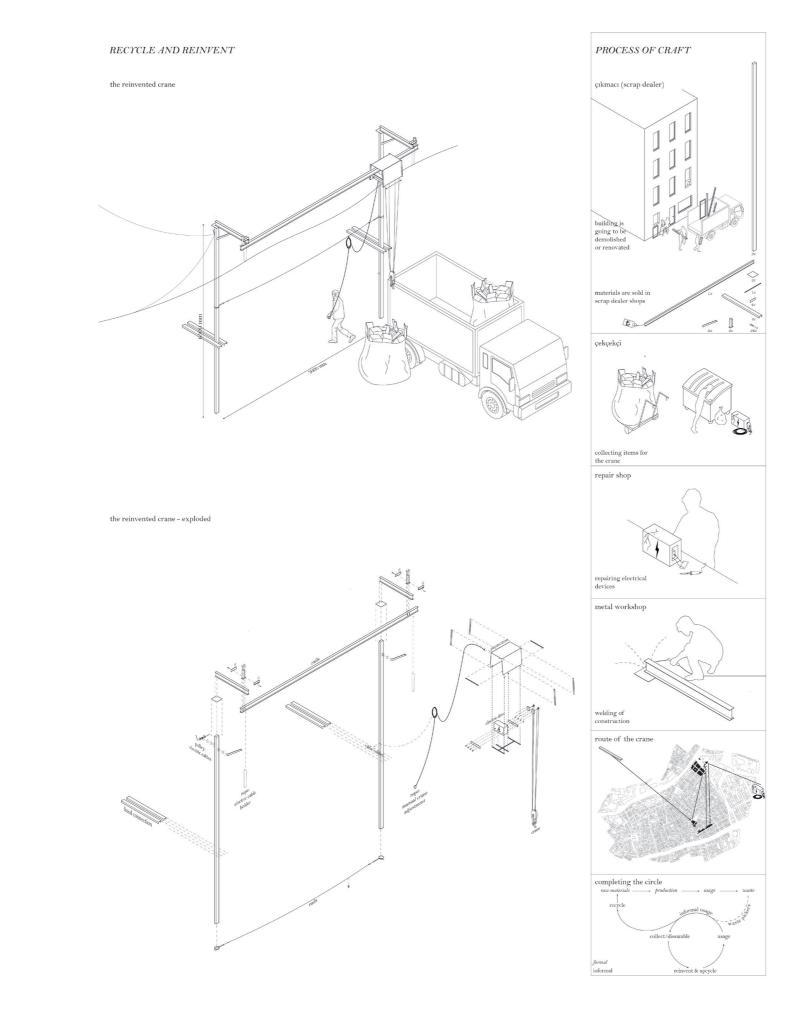
Informal tectonics - the reinvented crane



Informal tectonics - the route of the crane



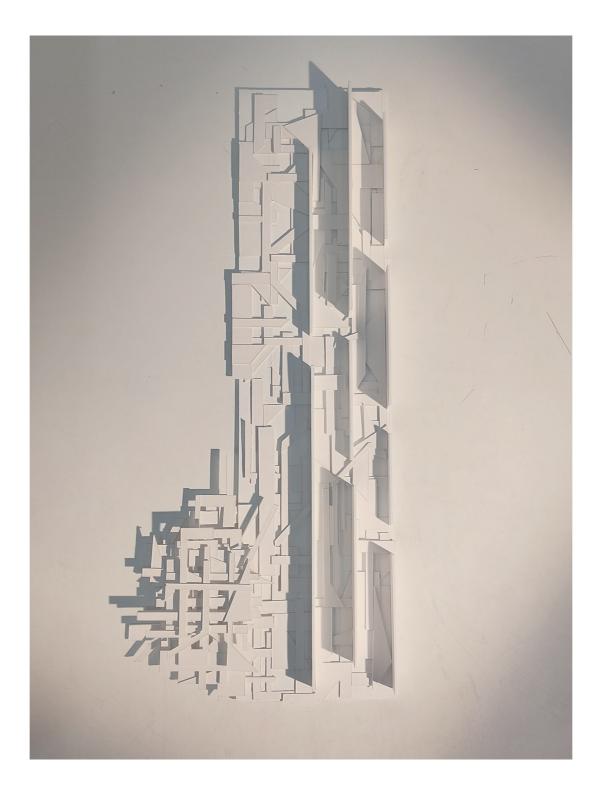




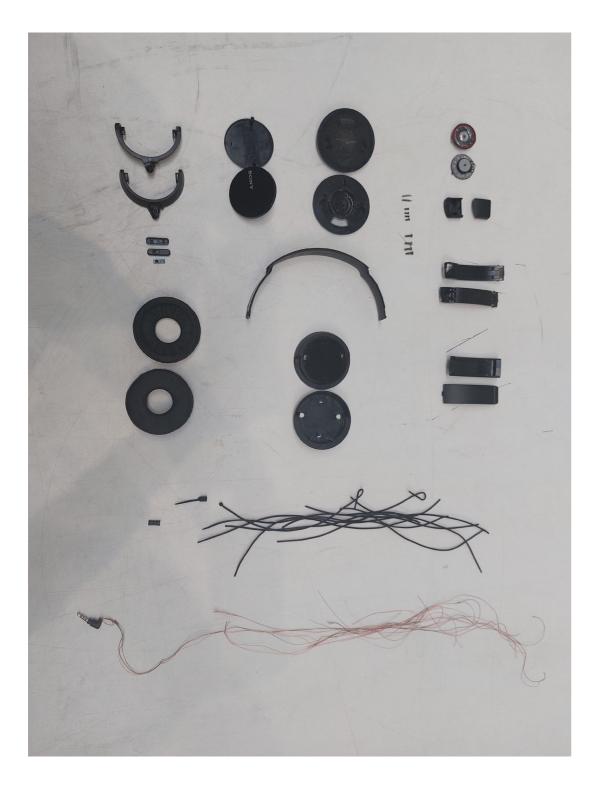
The system of informal tectonics

## 1.4 Modi Operandi Analysis Models

spatial Situation How to lose control over a spatial situation?

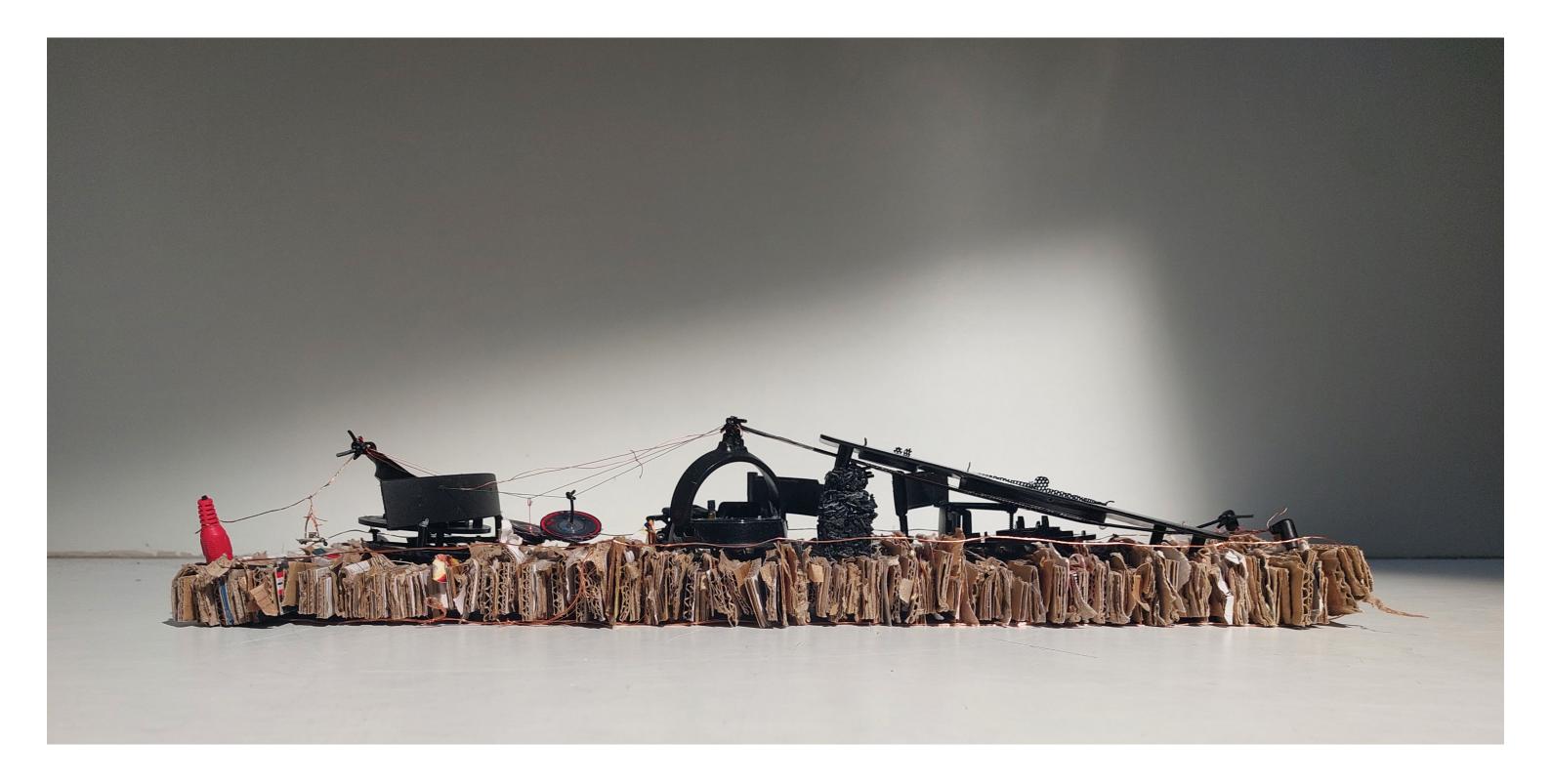


Spatial situation - strip, field, 3 dimensional

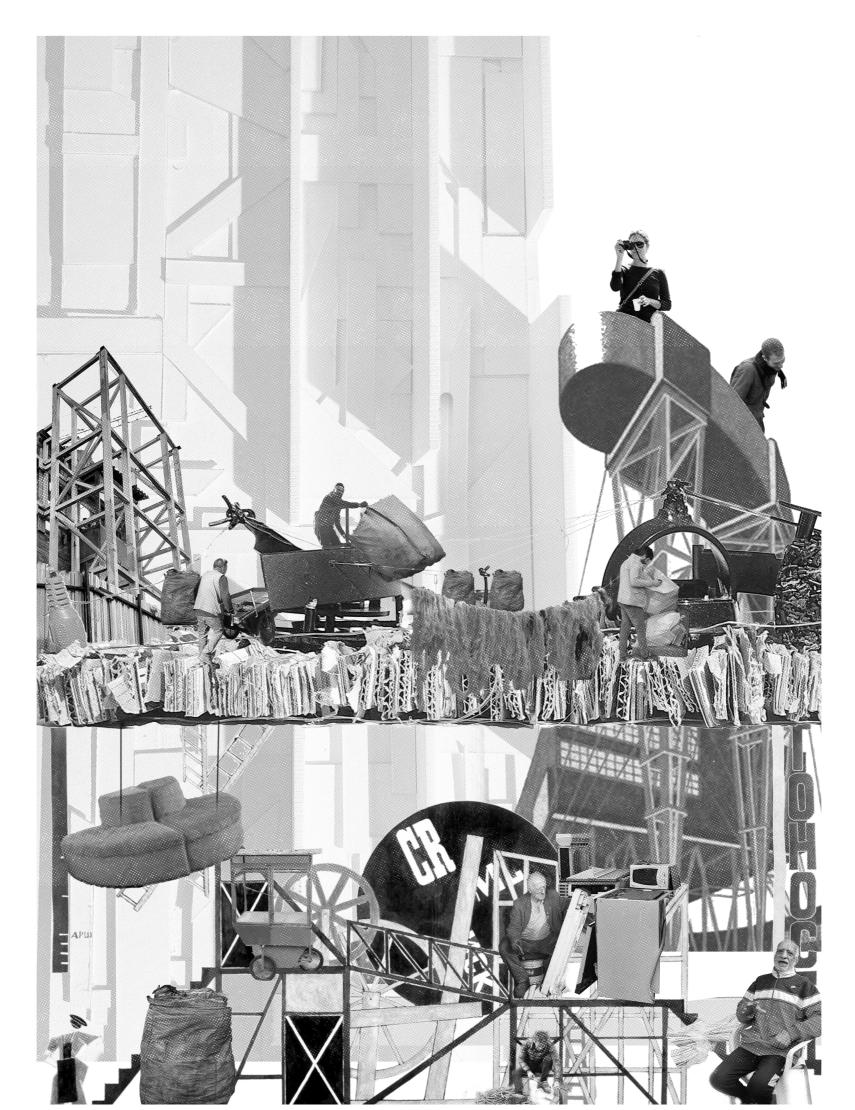




Assemblage - disassembling



Assemblage - reassembling



**1.5 Conclusions** 

## Rem Koolhaas on the informal settlement:

"The result is a theoretical, critical, and operational impasse [...] the entire discipline possesses no adequate terminology to discuss the most pertinent, most crucial phenomena within its domain nor any conceptual framework to describe, interpret, and understand exactly those forces that could redefine and revitalize it" (Prieto, 2021, p.20).

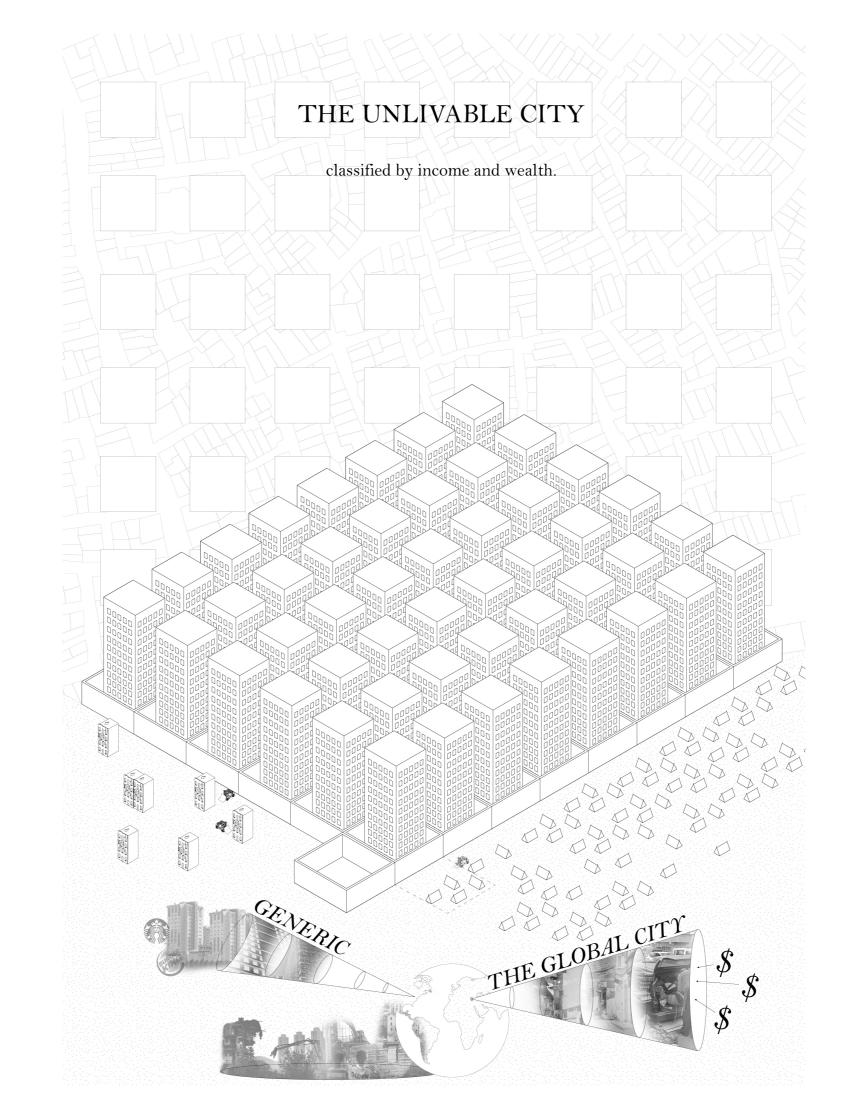
Alejandro Aravena:

"As architects, we live in a time of shifting paradigms [...] and this calls for a new, more open approach. That's why I'm so interested in how architects and urban planners deal with other areas – economics, safety, environment and so on. Our challenge must be to go beyond architecture and speak the languages of these other disciplines, before translating our discussions into formal design proposals" (Prieto, 2021, p.20).



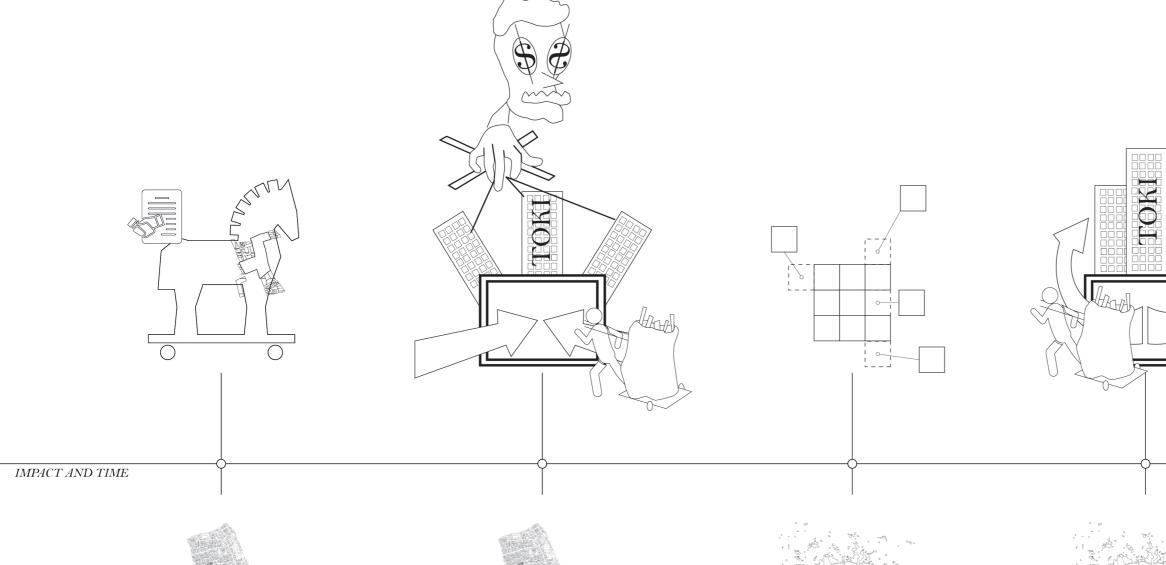


The future; becoming a migrant in your own city, displaced by gentrification



# 2. Design Strategy - Modernizing a migrant city

Site Design Strategy



EXCHANGE Exchange without resistance between the construction site of the gentrification developer and the whole neighbourhood of Tarlabaşı



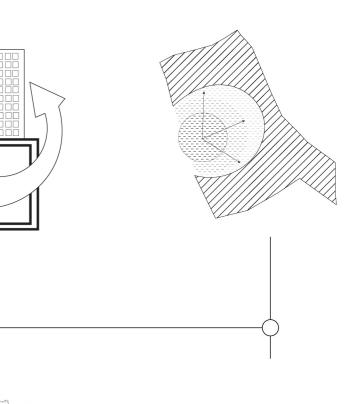
NEW TYPOLOGY A hybrid structure forming a shelter for the informality & the poor creating its informal micro economy



GROWING The hybrid structure can grow with space for self-regularity

A new strategy

DECREASING RENTS The hybrid structure decreases



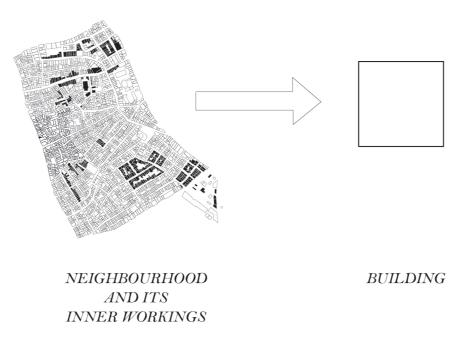


rents of gentrified appartments around the territory of the poor

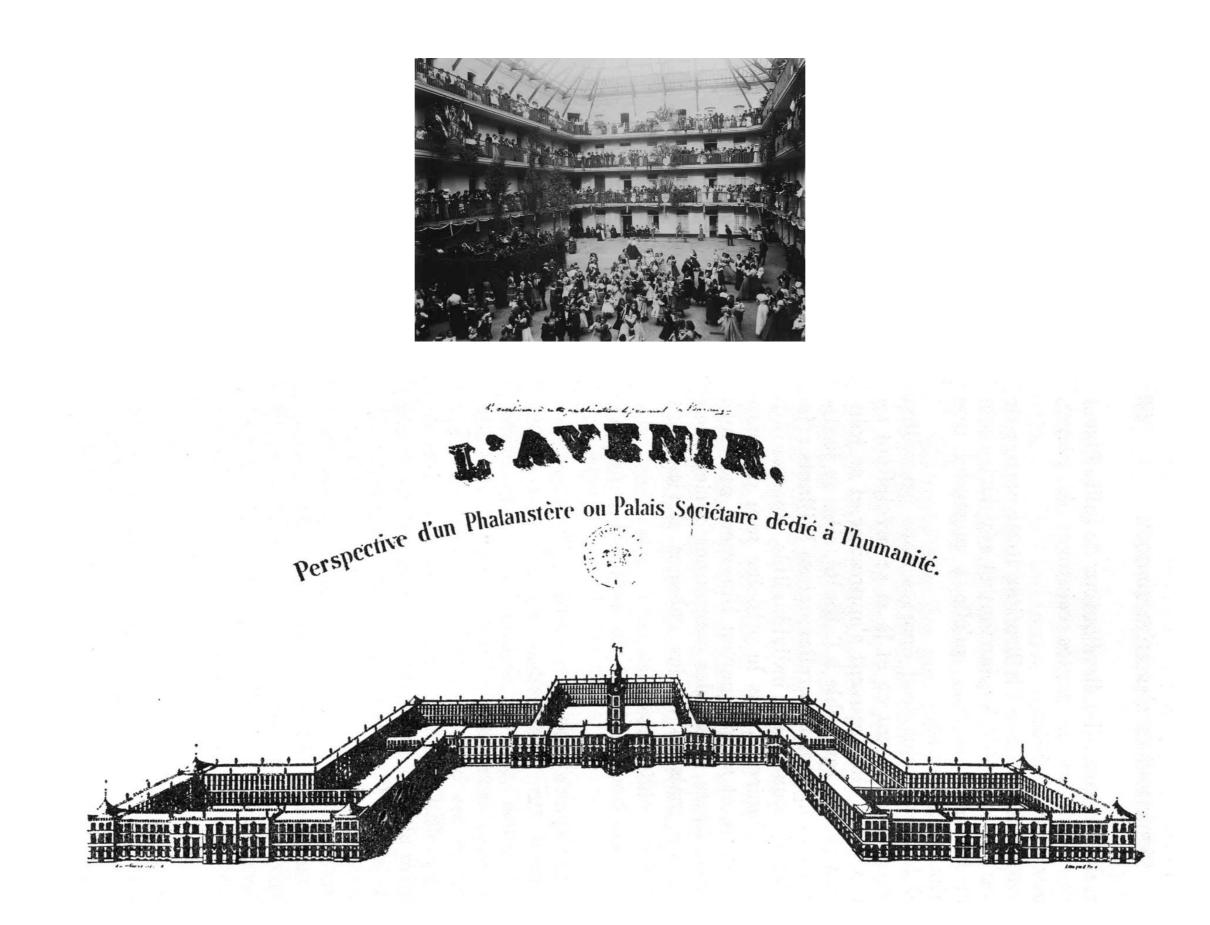


### ACTIVIST STRUCTURE Reviving the neighbourhood of the poor, creating awareness & blurring of the division between formal and informal

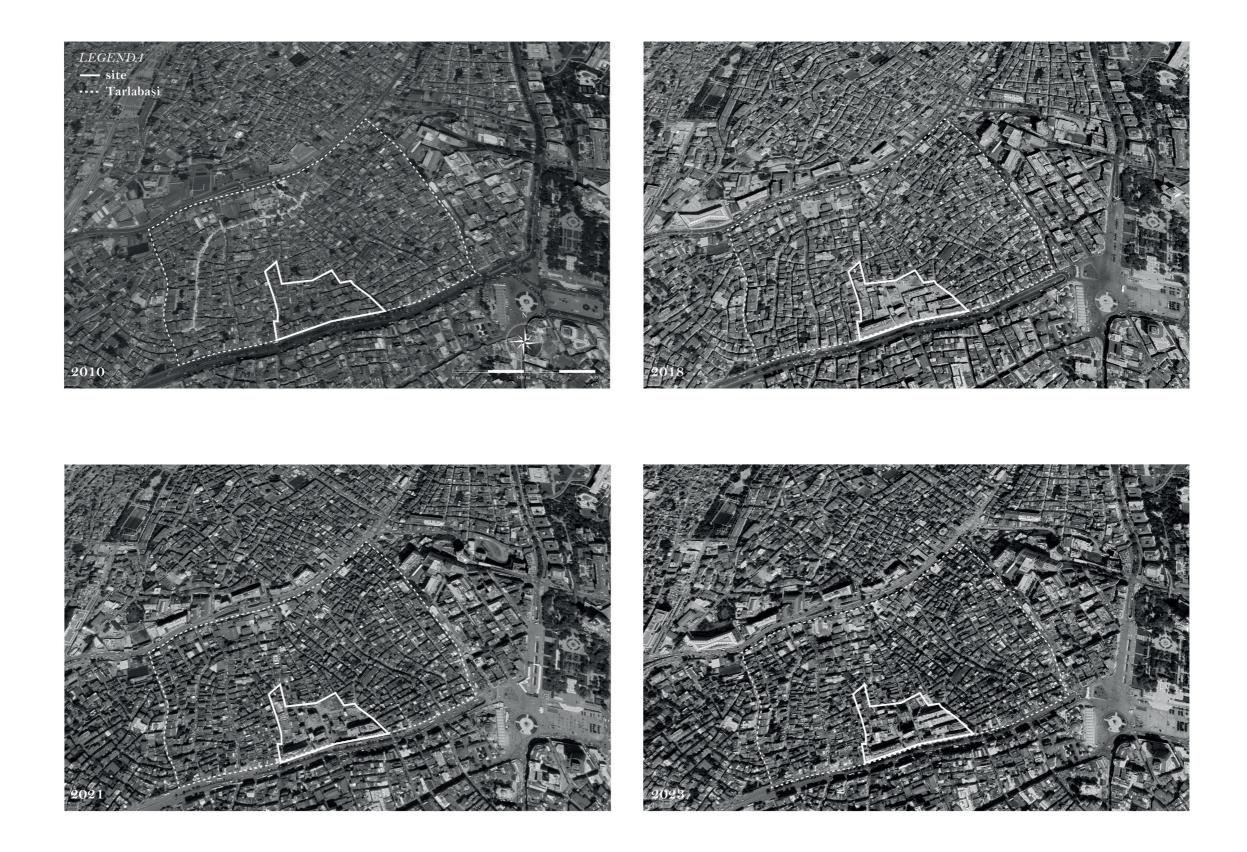
The design forms a shelter for informality, with a new typology providing space for the accommodation of informal practices related to recycling, dismantling, repair and upcycling. The design serves as a hybrid structure, with room for self-regulation, creativity and craftmanship & community spaces. In addition, the design offers an anonymous safe haven for minorities and the poor, as Tarlabası has functioned for decades.



A new typology



Le Phalanstère - self-contained utopian community



Site - the gentrification construction pit



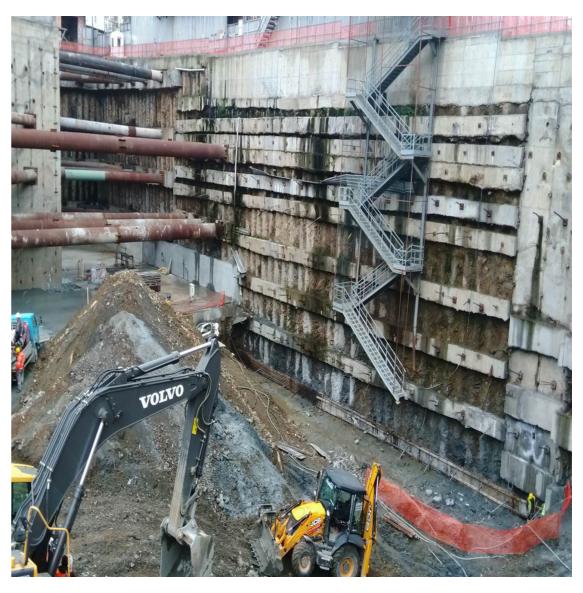
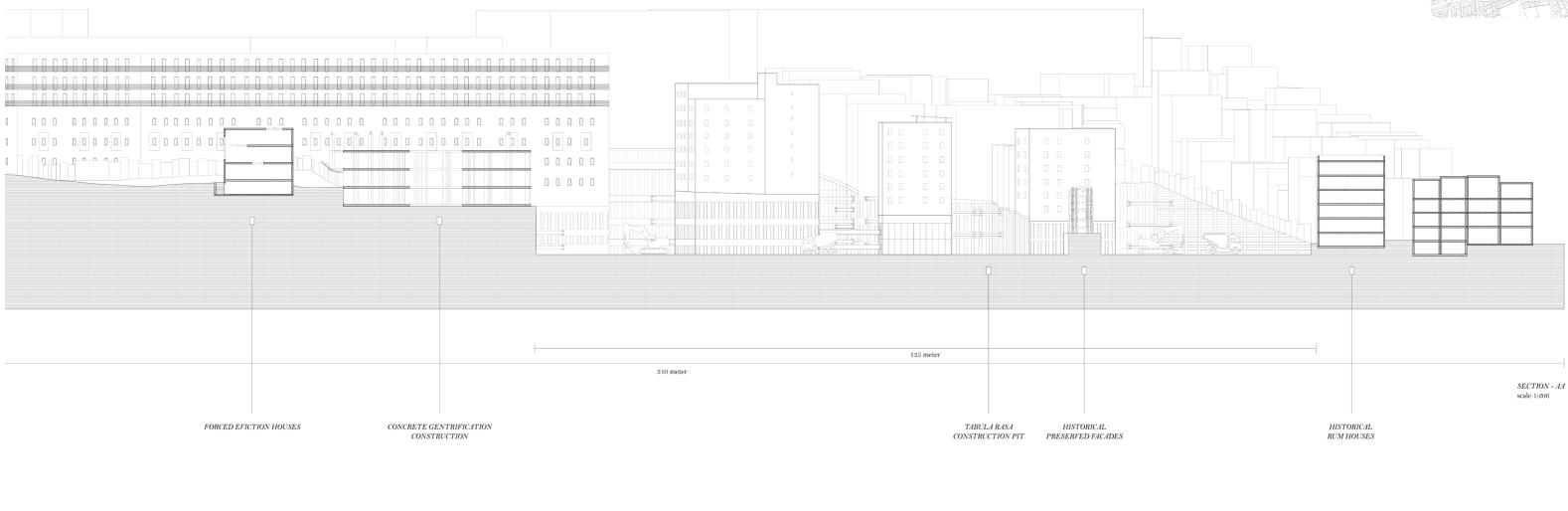
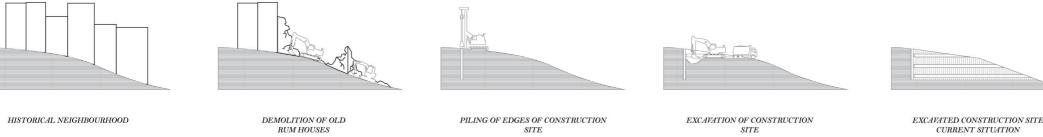


Photo by Tatiana Mavromati





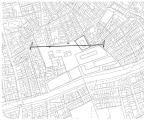
HISTORICAL NEIGHBOURHOOD

DEMOLITION OF OLD RUM HOUSES

PILING OF EDGES OF CONSTRUCTION SITE

EXCAVATED CONSTRUCTION SITE CURRENT SITUATION

Site - the tabula rasa construction pit

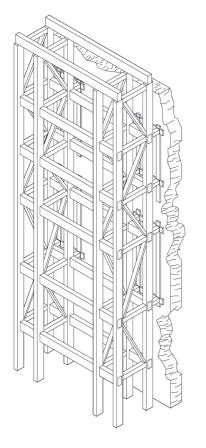




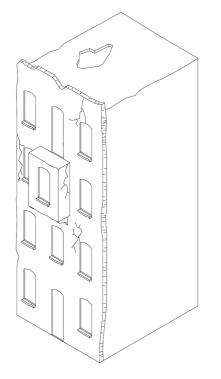
GENTRIFIED BUILDING BLOCK

The in-between can be conceived as a place where different things can meet and unite, or more specifically, as the common ground where conflicting polarities can again become twin phenomena.

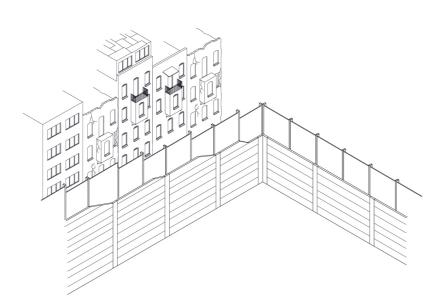
(Francis Strauven (2007), in study centre mellon lectures)

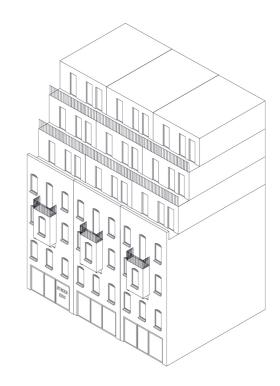


Historical preserved facades

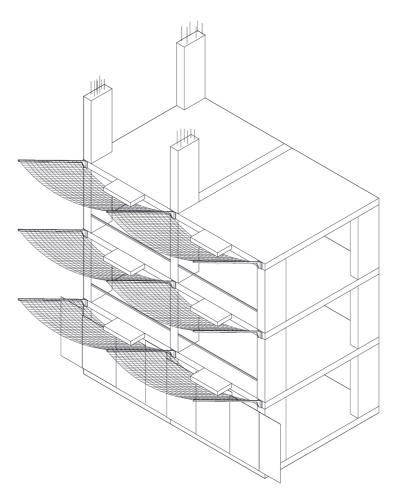


Forced eviction houses





Tabula rasa construction pit



Concrete gentrification construction

Site - Traces of history & the planned future

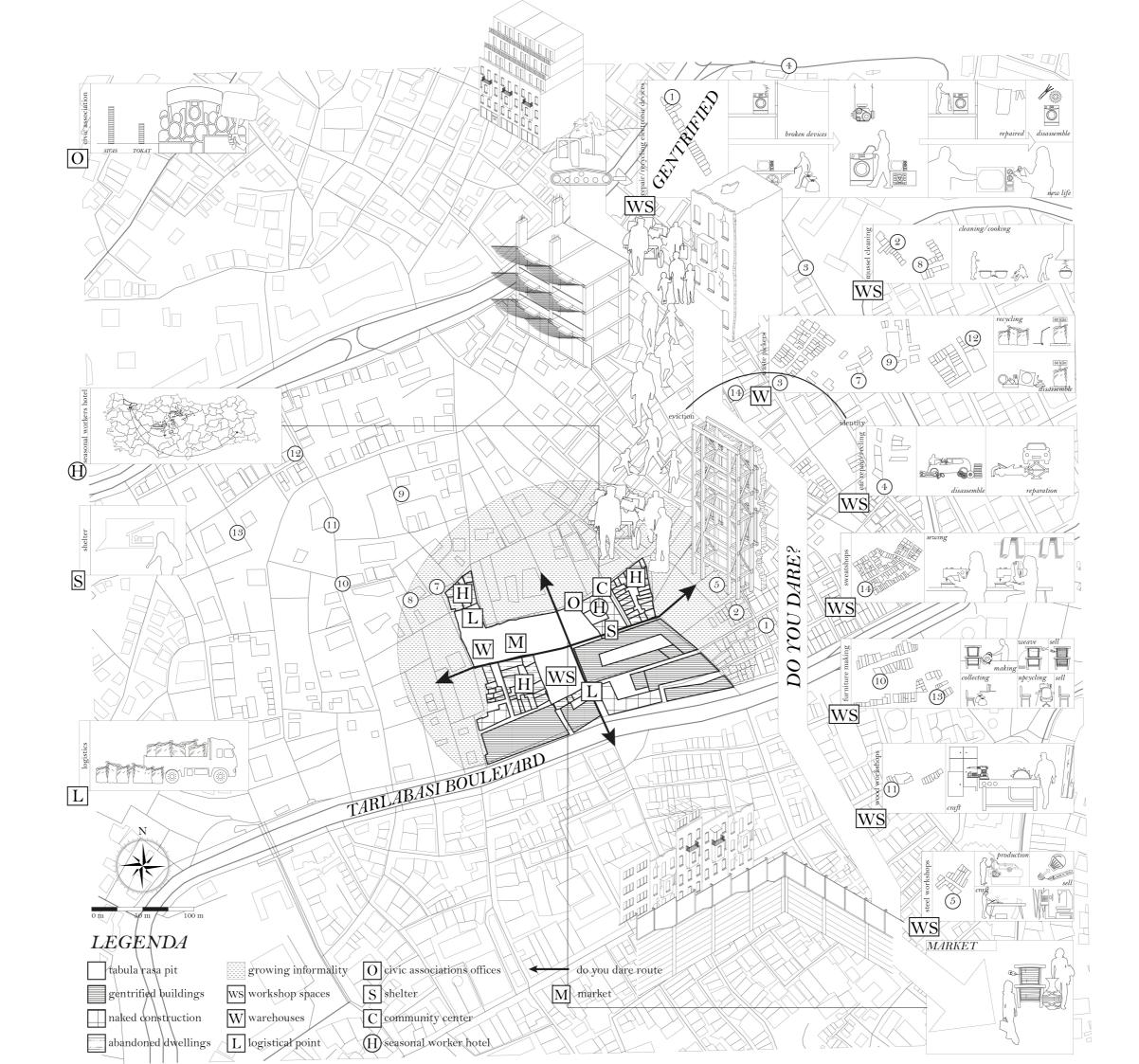
Gentrified buildings

**3. Design -** A hybrid shelter for informal practices

3.1 Concept
3.2 Site Plan
3.3 Floorplans
3.4 Anatomy
3.5 Catalogue
3.6 The operation
3.7 Scale of flexibility
3.8 Completion - Occupation - Resilience

# 3.1 Concept

A hybrid structure

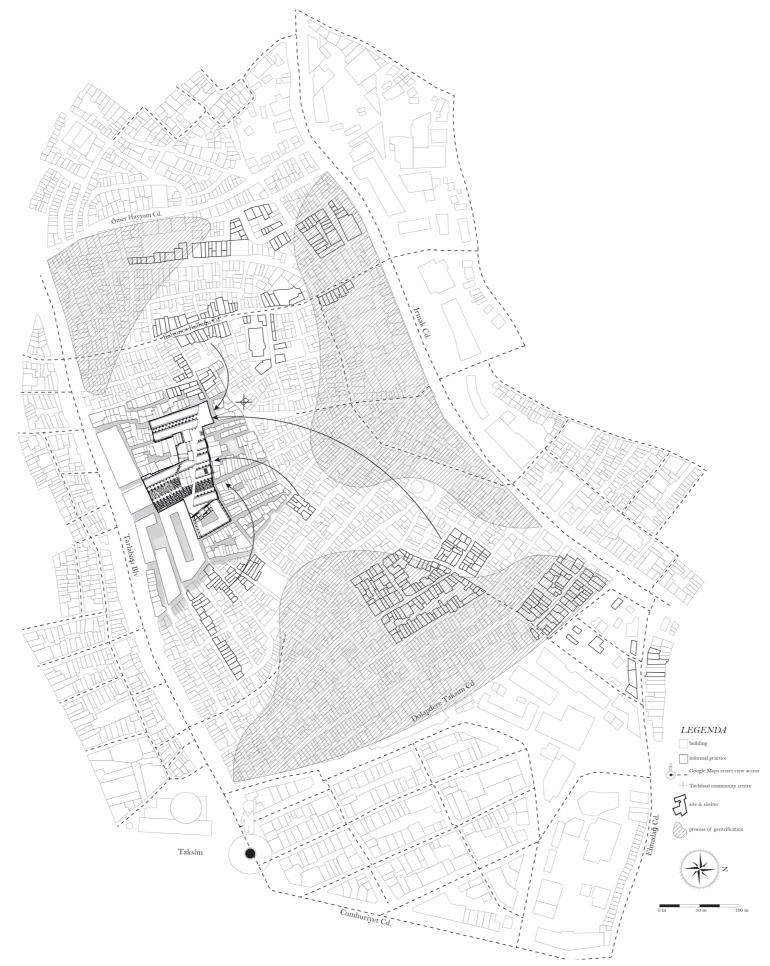


3.2 Site plan





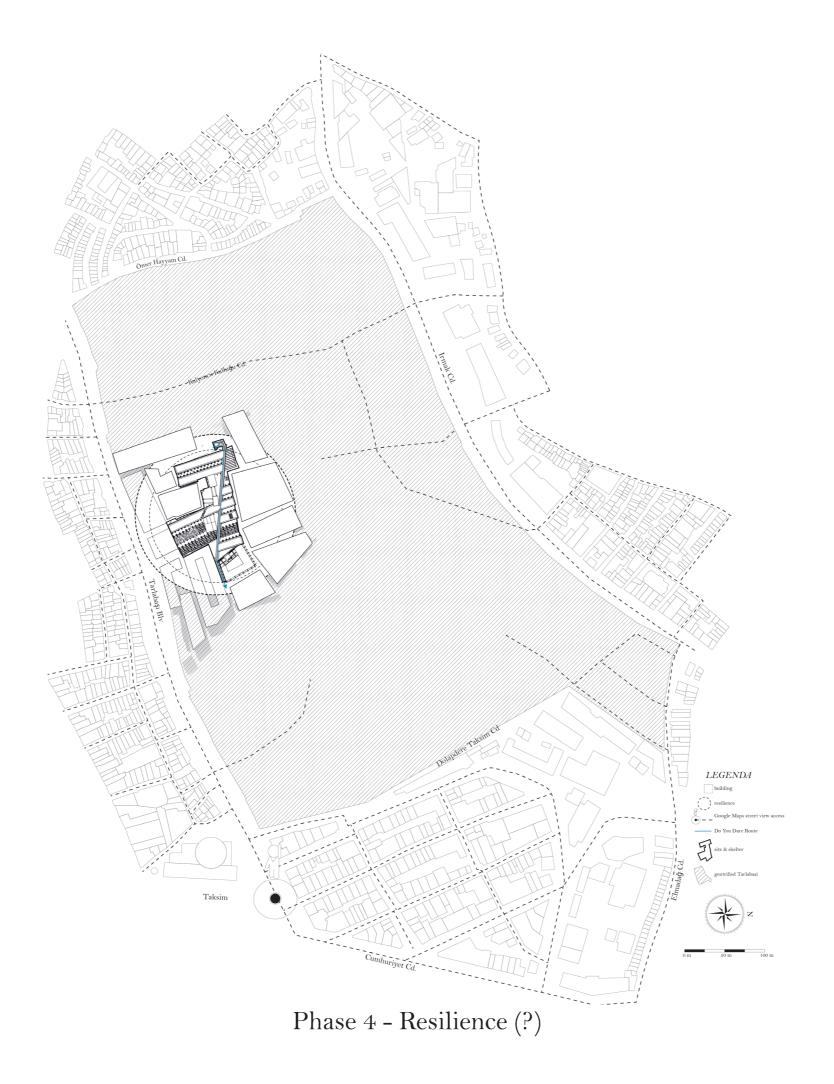
Phase 1 - Re-connect via bridge

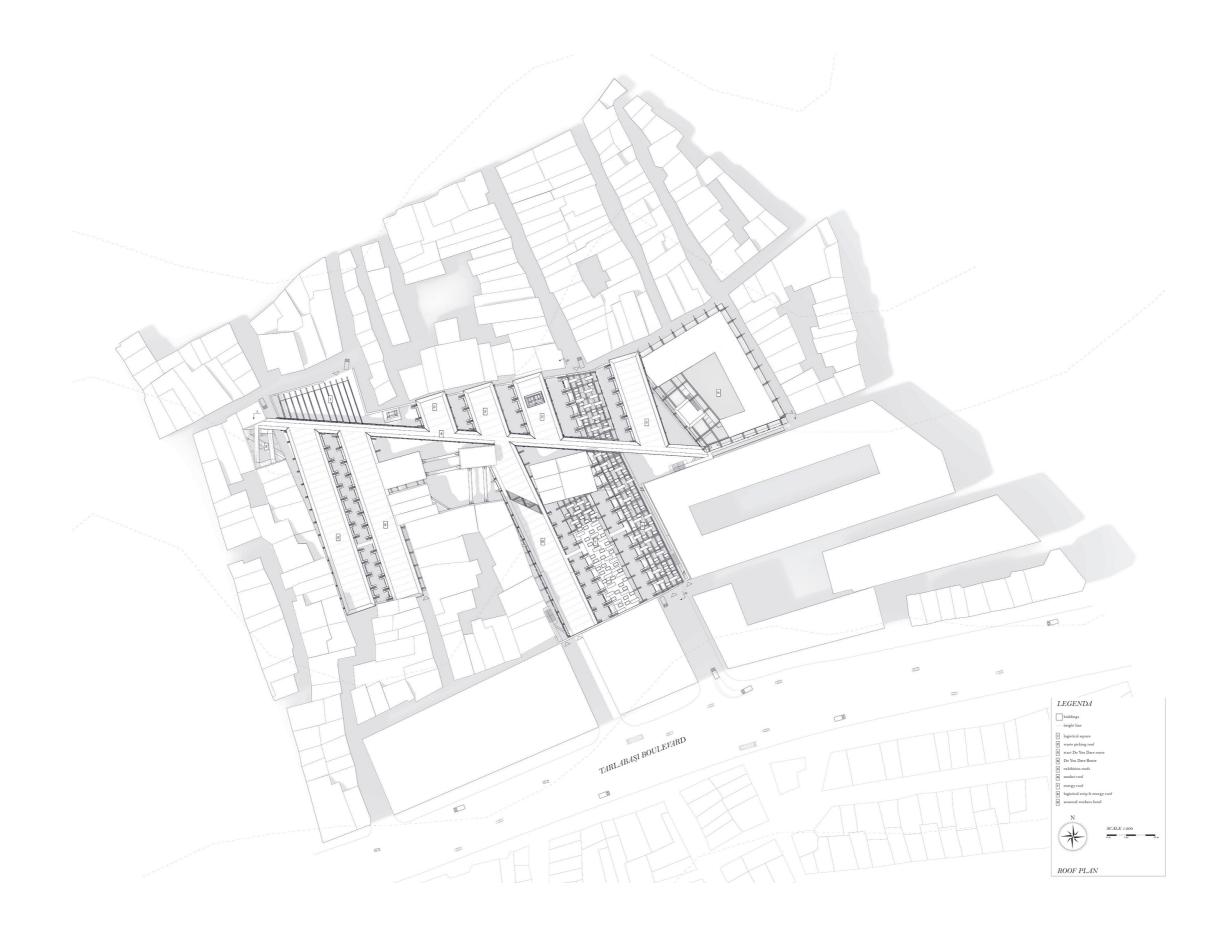


Phase 2 - Completion of the hybrid structure, seasonal workers hotel & occupation

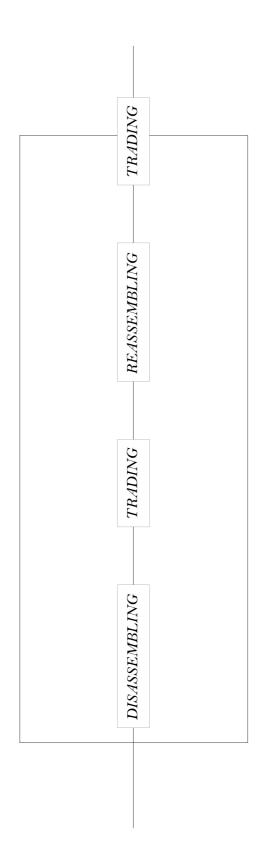


Phase 3 - Adding internal logistical connection & Do You Dare Route

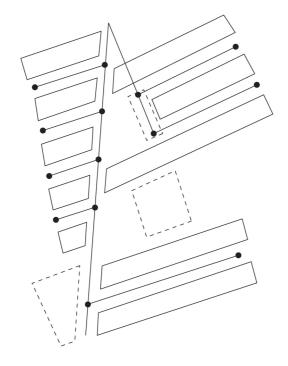




3.3 Floorplans

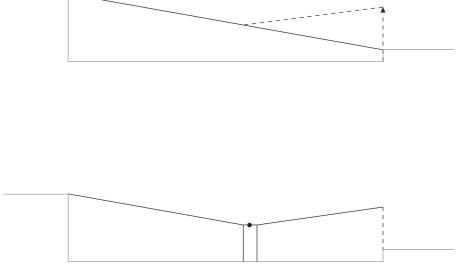


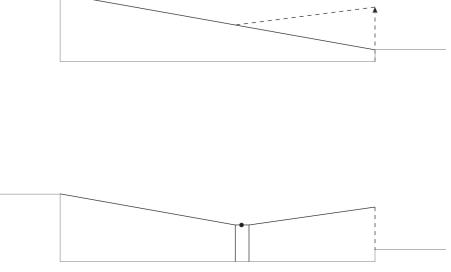
**SYSTEM** 



STRIP PATTERN

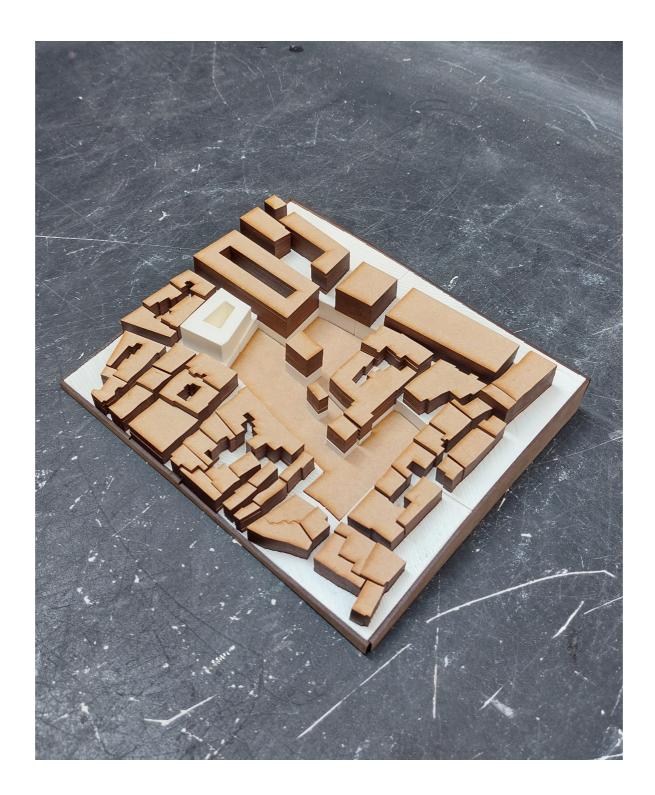
Create street pattern accessible for logistics, devided by one main axis and functional squares



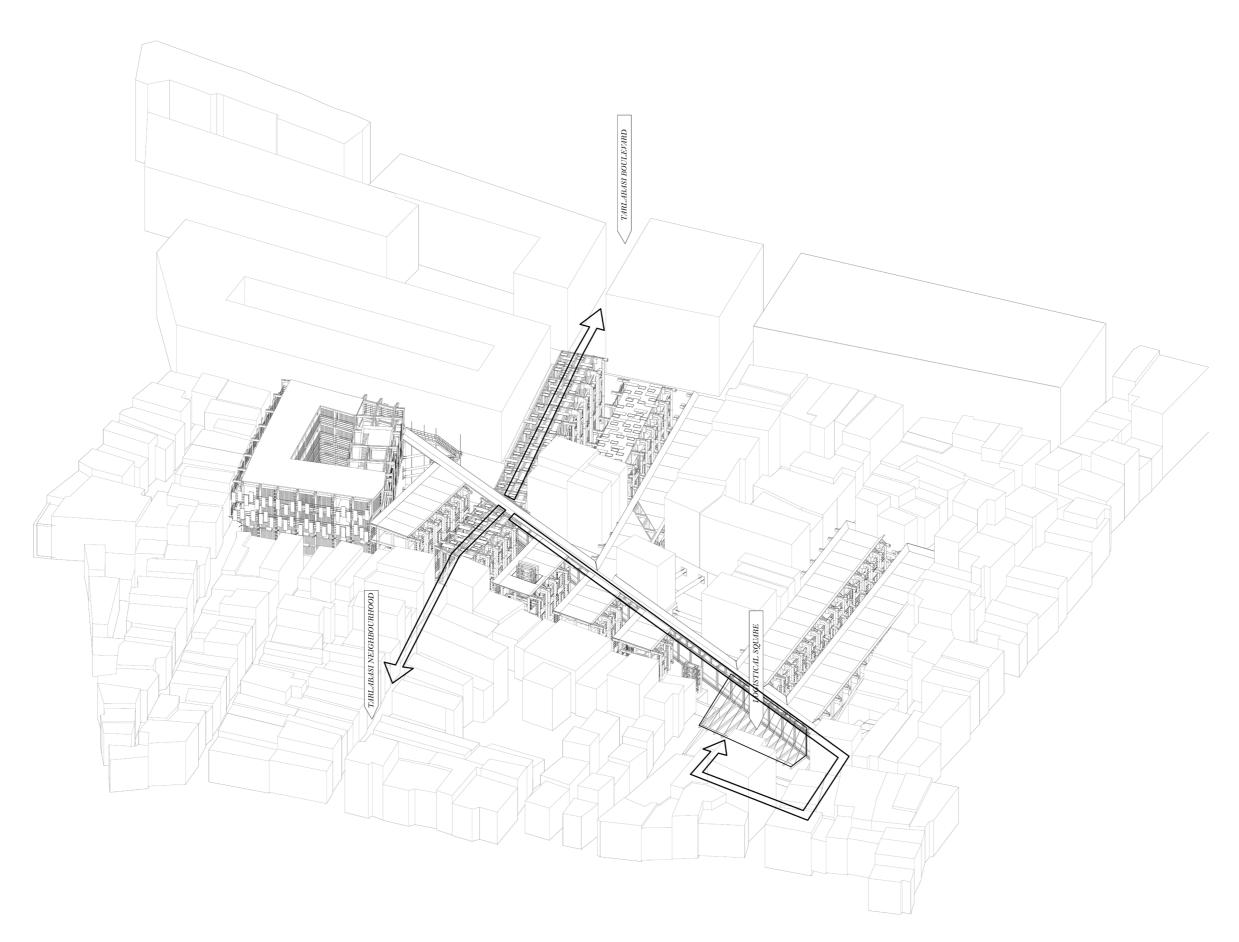


FOLLOW THE LANDSCAPE

Create connection between the old landscape, the main axis forms the middle point of the building



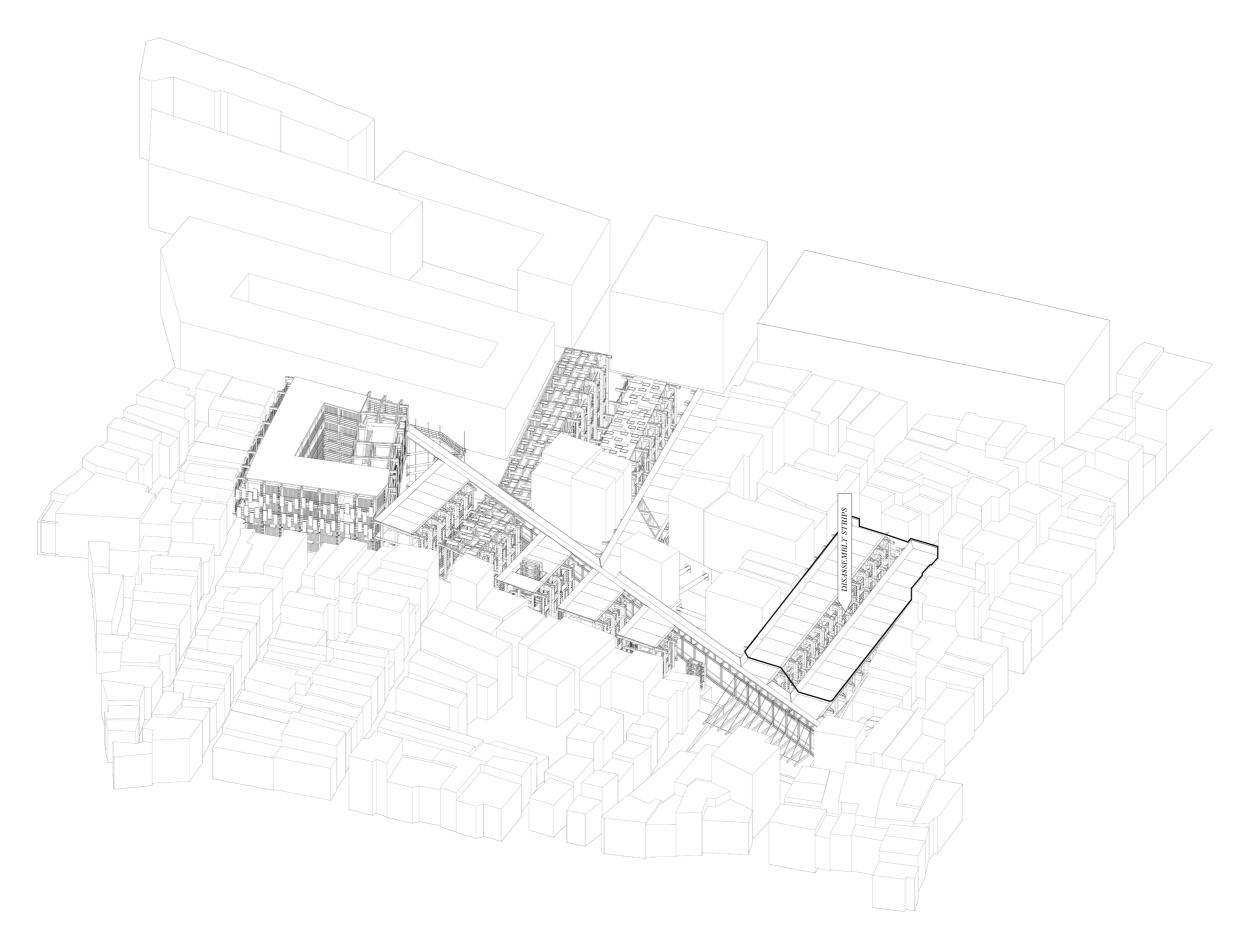




Logistical routes



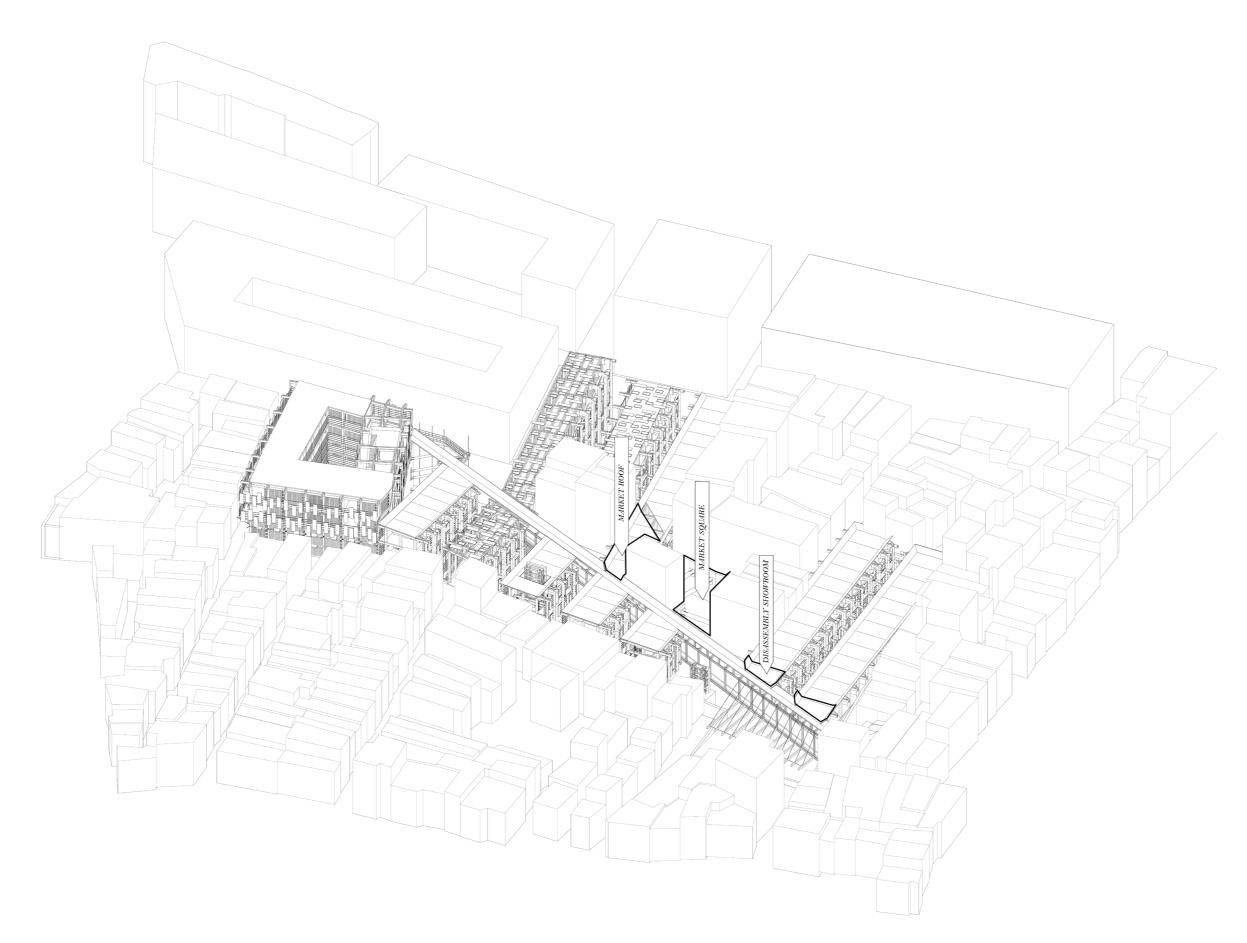
Logistical square

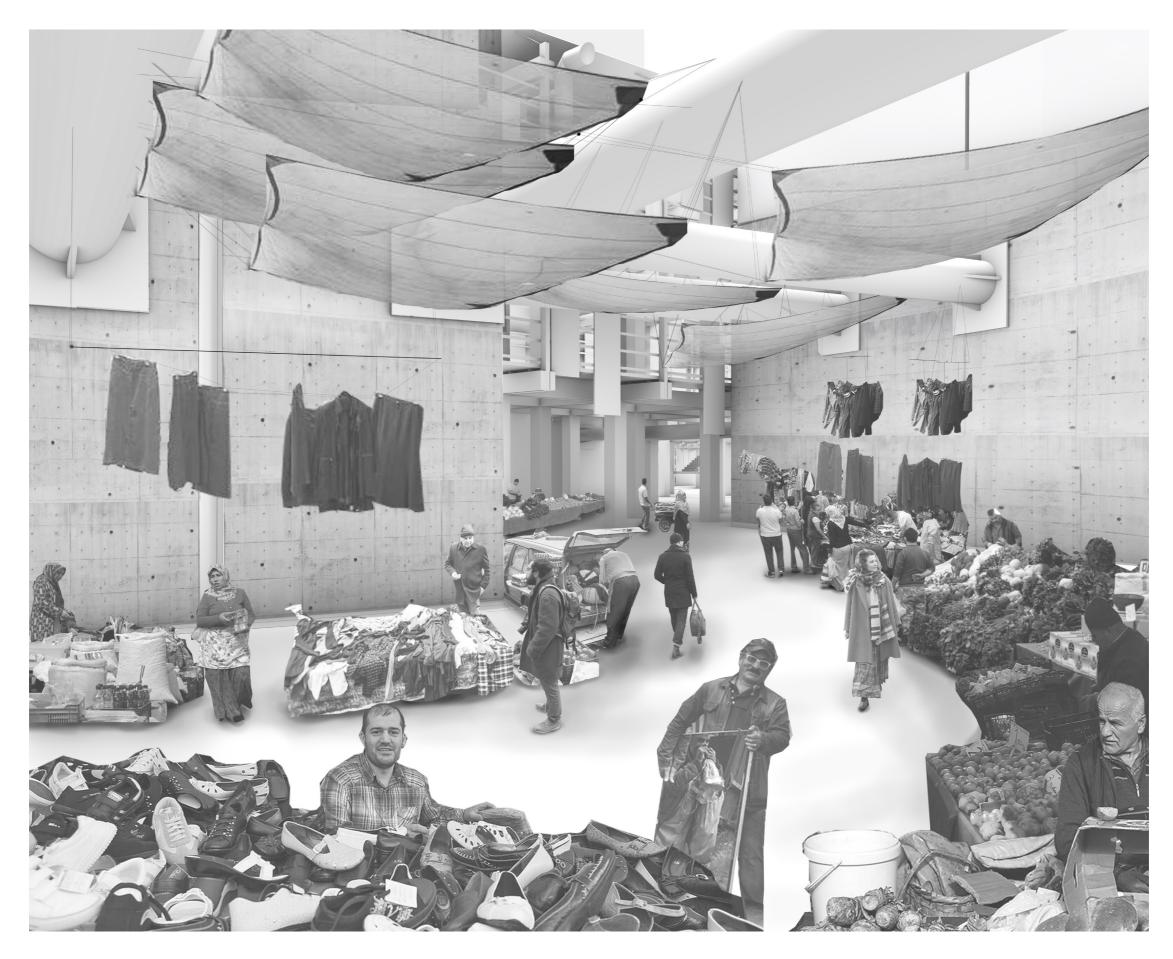


Disassembly strips

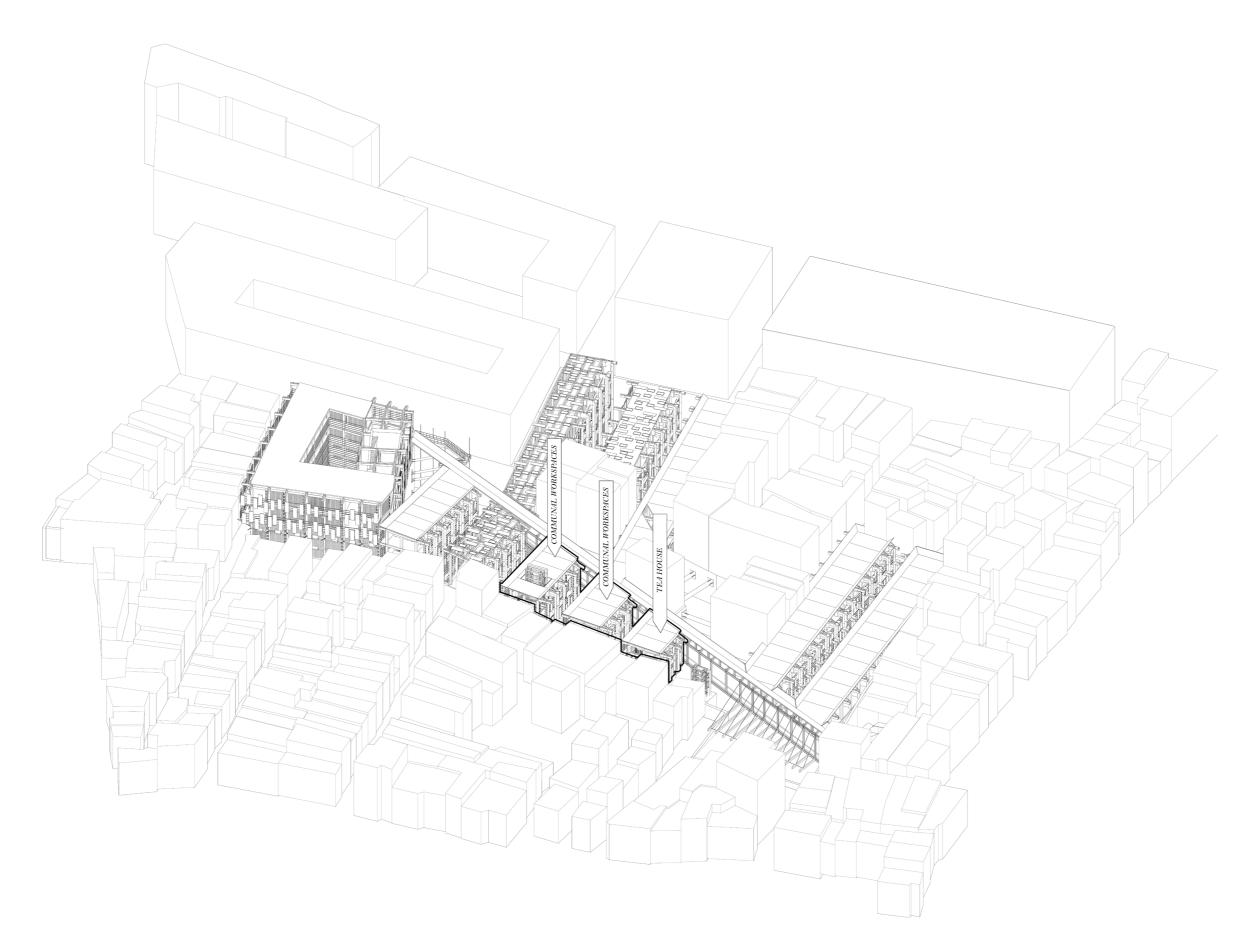


Edge of the disassembly strip



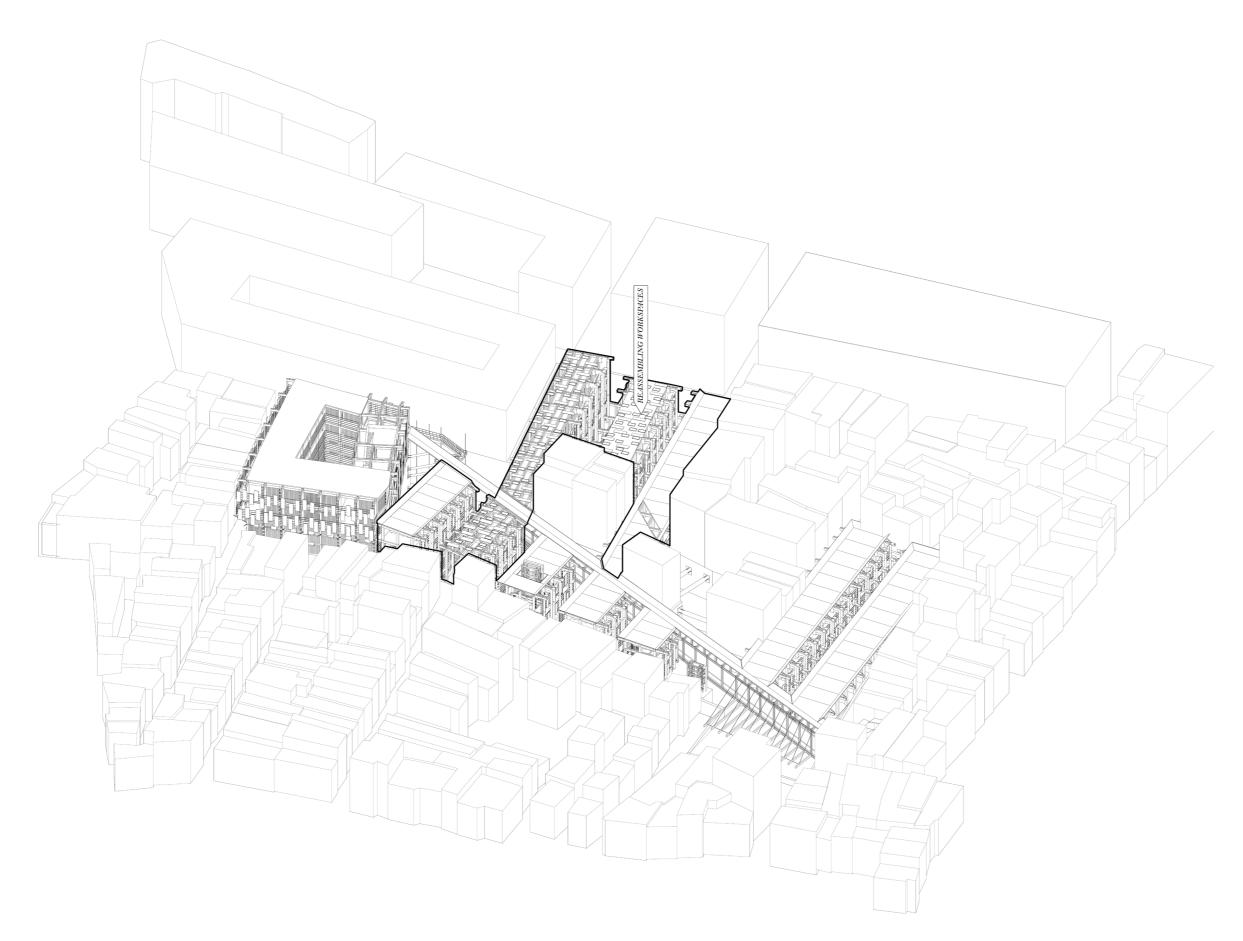


Market square





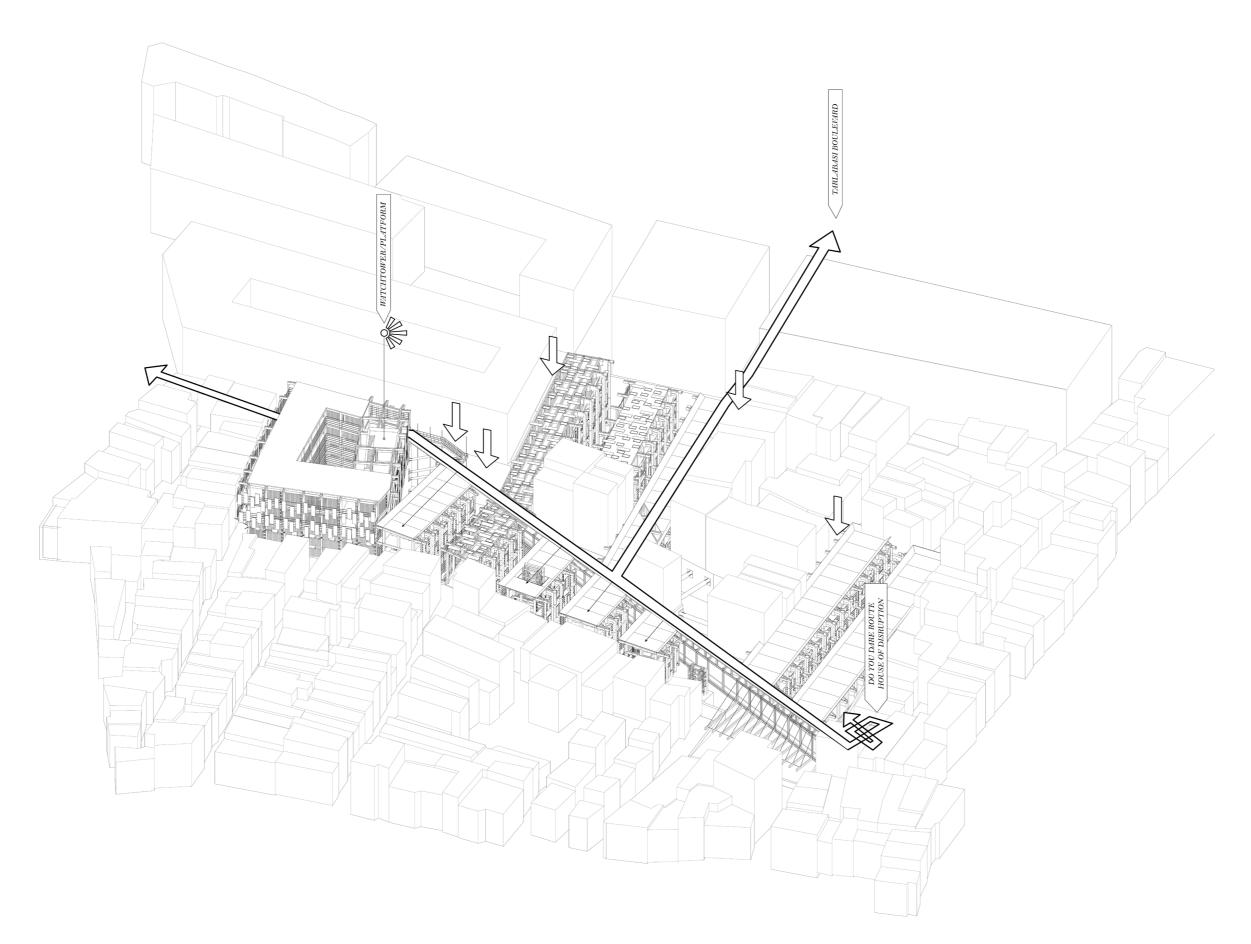
Communal workshop space



Re-assembly strips



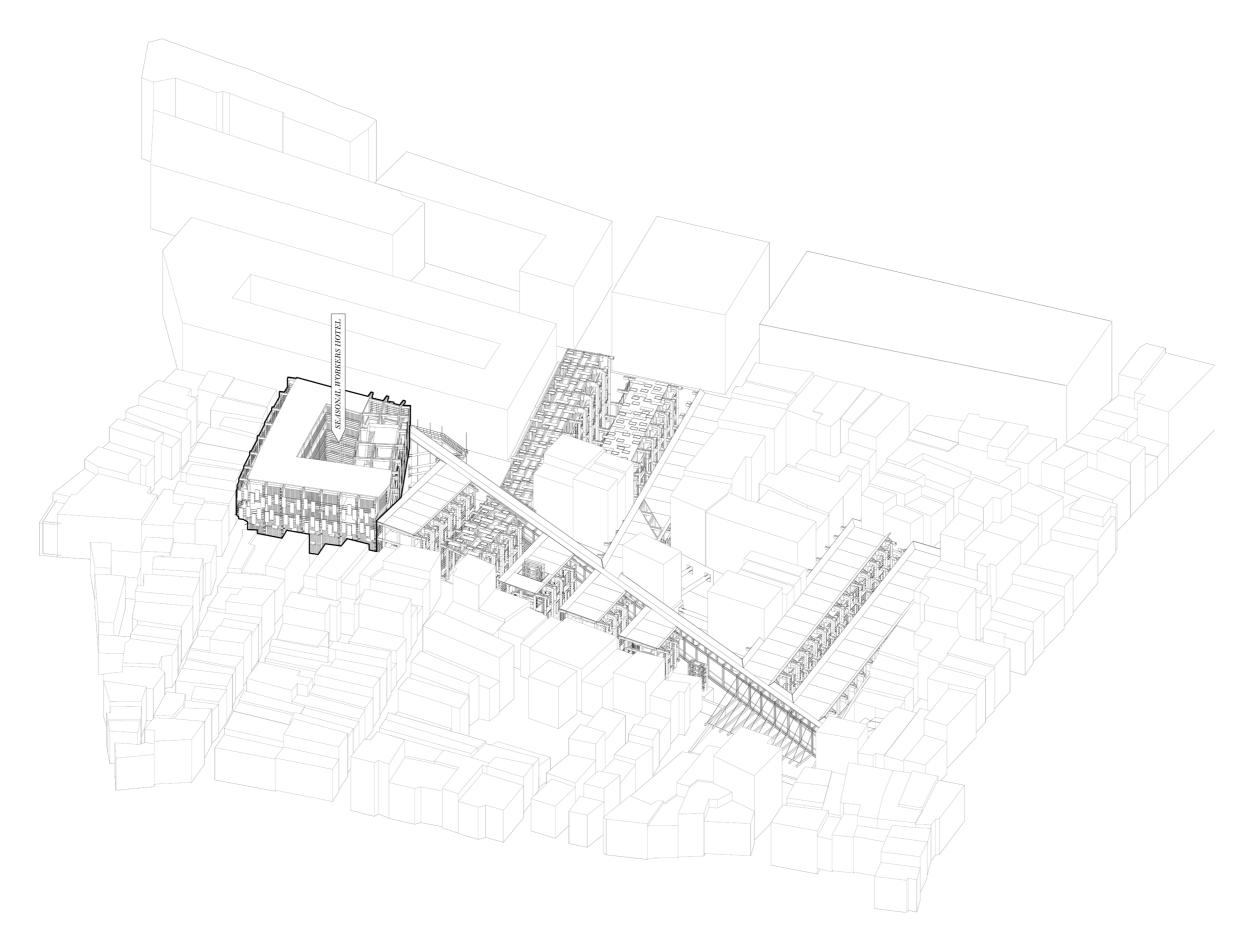
Gallery of the re-assembly strips



Do You Dare Route



Do You Dare Route



Seasonal workers hotel



Seasonal workers hotel - shelter rooms



Floorplans - Ground floor



Floorplans - First floor

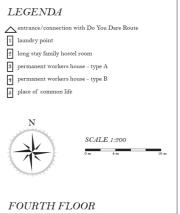


Floorplans - Second floor

EGENDA	
ground	
foundation preserved buildings	
height line	
logistical square	
start Do You Dare Route (the house of disruption)	
waste picking warehouses	
tea house	
workshop spaces	
communal work functions & facilities	
waste picker roof	
daylight opening/open structure	
logistical ramp	
Do You Dare Route	
studio rooms	
the connect room	
communal sanitary facilities	
communal kitchen facilities	
family rooms/transformable in hostel room	
shelter rooms	
shared laundry point	
hostel room	
N	
SCALE 1-200	
1 in in in	
ECOND FLOOR	

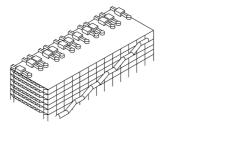


Floorplans - Fourth floor (seasonal workers hotel)



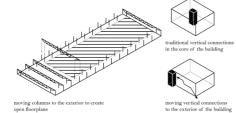
# **3.4** Anatomy of the hybrid structure

case studies anatomy of the hybrid structure

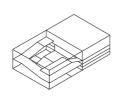


CENTRE POMPIDOU Renzo Piano, Richard Rogers France - Paris Centre for modern art

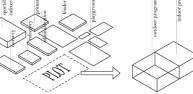




CREATE FLEXIBLE OPEN FLOORPLAN BY MOVING ITS SERVICES, CORRIDORS, ELEVATORS & STRUC-TURAL MEMBERS ON ITS EXTERIOR

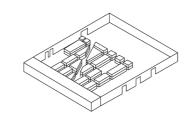


MELOPEE SCHOOL XDGA - Xaveer De Belgium - Ghent School 4.630 m<sup>2</sup> 2020

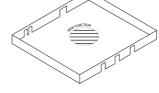


CREATE COMPACTNESS BY STACKING PROGRAM

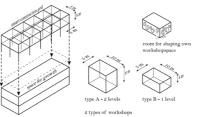
STEEL CONSTRUCTION GRID OF 5mx5m



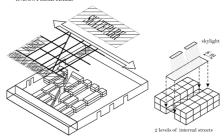
NDSM LOODS



CREATE CREATIVE BREEDING GROUND IN VACANT OLD INDUSTRIAL HALL



CREATE CREATIVE BREEDING GROUND IN VACANT OLD INDUSTRIAL HALL



CREATE INTERNAL STREETSYSTEM WITH PRODUCTIVE SPACES, PUBLIC SPACES AND COMMUNAL SPACES



CREATE A CITY INSIDE OLD INDUSTRIAL HALL WITH ROOM FOR SELF-REGULATION AND CREATWITY BUT WITH THE GUIDANCE OF THE ARCHITECTS FIA AN "URBAN" PROGRAM AND A SMART CONSTRUCTION GRID



# Case studies - flexible systems

king of progra

the grid

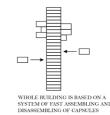








elevator







SSIBIL 2

PRINCIPLES

DESIGN

STSTEM

CONCLUSION

OPEN FLOORPLA ACCOMONDATIN THE PROGRAM

TURN BUILDING LITERALLY INSIDE OUT

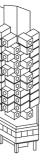
THE INNERWORKINGS OF THE BUILDING BECOME VISIBLE ON THE EXTERIOR

EVERY FUNCTION HAS ACCESS TO OUTDOOR PLAYGROUND TWO VERTICAL CONNECTIONS IN INTERIOR

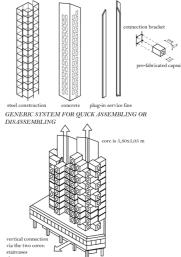
•

COMPACTNESS CAN CREATE DIRECT ACCESS TO OUTDOOR PROGRAM WHICH FACILITATES ITS INTERIOR PROGRAM

CONNECTION INTERIOR AND OUT-DOOR PROGRAM VIA SMART GRID SYSTEM



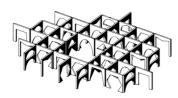
MASS PRODUCTION OF GENERIC DWELLING UNITS THAT CAN BE REPLACED OR COMBINED OR ADDED TO THE BUILDING



THE TWO CORES FORM THE VERTICAL CONNECTION BETWEEN THE CAPSULES AND THE GROUND FLOOR

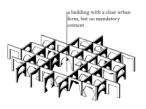
 $-\Box$ 

CREATE VIA INDUSTRIALIZATION A SYSTEM WHICH IS FLEXIBLE AND CAN GROW, LITTLE ROOM FOR SELF REGULATION IN THE PHYSICAL FORM OF THE BUILDING



ABBOTOIR FOODMET

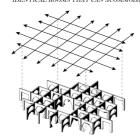
ORG Belgium - Bruss Food market 21.000 m<sup>2</sup>



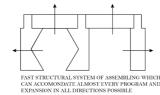
CREATE A BUILDING THAT COMMUNICATES THE CURRENT VALUES AND ASPIRATIONS OF THE COMMUNITY VIA FLEXIBILITY

# $\mathbb{H}_{\frac{1}{2}}^{\mathbb{I}} \mathbb{P} \mathbb{N} \mathbb{N} \mathbb{N}$ $\stackrel{\Lambda}{\square} \mathbb{P} \mathbb{N} \mathbb{N} \mathbb{P} \mathbb{N}$

OVER-DIMENSIONED PLATONIC PANELS FORM DOZENS OF LARGE IDENTICAL ROOMS THAT CAN ACOMMODATE ALMOST ANY USE



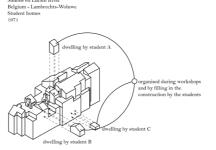
NO CLEAR ROUTING - ROUTING IS PART OF THE FLEXIBLE STRUCTURE SYSTEM



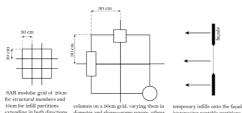
THE SYSTEM PLATONIC PANELS ARE FORMING A CLEAR URBAN FORM, BUT THE PROGRAM INSIDE CAN CHANGE BY ITS NEEDS AND CAN EASILY GROW AND ACCOMONDATE NEW OR CHANGE IN PROGRAM DUE ITS OFER-DIMENSIO-NED PANELS



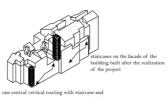
LA MÉMÉ



PARTICIPATORY DESIGN WITH THE USERS OF THE BUILDING



juxtaposing portable partitions with removable window frames KROLL IS GUIDING THE PROCESS BY USING SAR MODULAR GRID



two elevators a the building tors and one staircase on the edge o

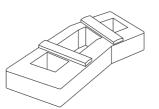
PART OF THE ROUTING IS DESIGNED WITHOUT FLEXIBILITY, BUT ON THE EXTERIOR STAIRCASES ARE BUILT BY THE STUDENTS, SO ALSO ROOM FOR SELF-REGULATION IN THIS ASPECT



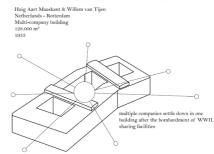
ENDLESS POSSIBILITIES IN CHANGE OF SPACE DUE TO USE OF SMALL SAR GRID IN COMBINATION WITH A CATALOGUE OF COMPATIBLE COMPONENTS

THE BUILDING IS DESIGNED FLA A PARTICIPATED DESIGN PROCESS FLA A SMART GRID STSTEM A FLEXIBLE FLOORPLAN IS INTEGRA-TED IN THE DESIGN, THE BUILDING BECOMES AN PHYCICAL EN-FROMMENT REPRESENTING ITS SOCIAL ECOLOGY

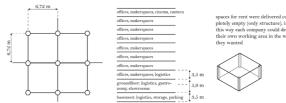




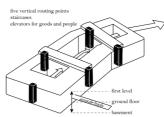
GROOT HANDELSGEBOUW ROTTERDAM



ACCOMONDATE SPACES FOR OFFICES, WAREHOUSES, SHOWROOMS FOR WHOLESALERS, BUT ALSO INTEGRATE THE BUILDING WITH ITS CITY LIFE FORMING A WHOLE ECONOMY AND NETWORK IN ONE BUILDING



USE OF SMART CONCRETE STRUCTURAL GRID SYSTEM, THE PROGRAM IS DESIG-NED AND LATERED IN SUCH A WAY THAT IT ACCOMONDATES MORE THAN AN OFFICE BUILDING, BUT ALSO SPACES THAT ACCOMONDATE SOCIAL INTERACTIONS AND LEISURE



CREATE ROUTING THAT CAN ACCOMONDATE WORK, HALLWAYS ARE WIDE ENOUGH FOR FORKLIFT TRUCKS, TRUCKS CAN ACCESS WHOLE BUILDING ON THREE LEVELS VIA ROUTING THROUGHT THE THREE COURTYARDS

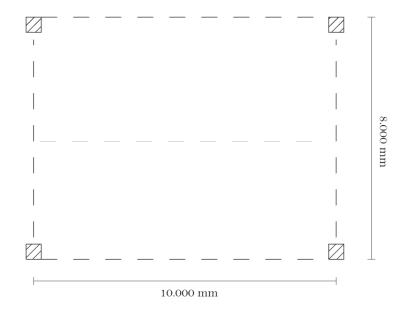


SHARING COMMON FUNCTION SUCH AS LOGISTICS, CANTEENS, ETC.

SMART USE OF SHARED SPACES AND PRIVATE SPACES TO ACCOMON-DATE A BUILDING FULL OFF DIFFERENT COMPANIES WHILE INTE-GRATING IN ITS CITY LIFE, WITH ALSO SPACE FOR OW'N PREFE-RENCES IN FORMING THE PRIVATE WORK ENVIRONMENT OF COM-PANIES



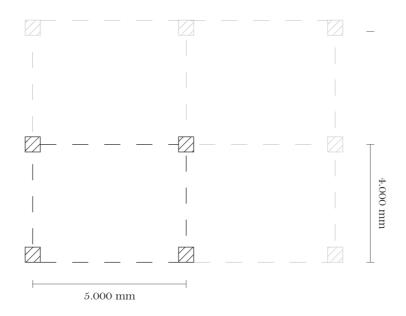
# Case studies - flexible systems



# SUPER GRID

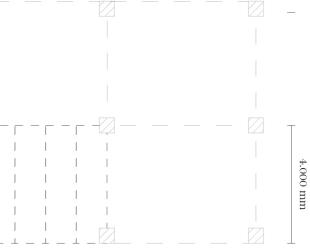
primary grid with the loadbaring structure columns on the outside of the grid to create an open floorplan

\* The hybrid structure of the bridge strip has a primary grid of 5000 x 8000 mm



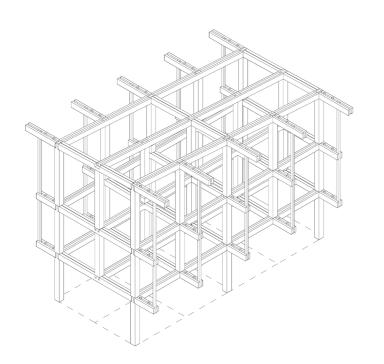


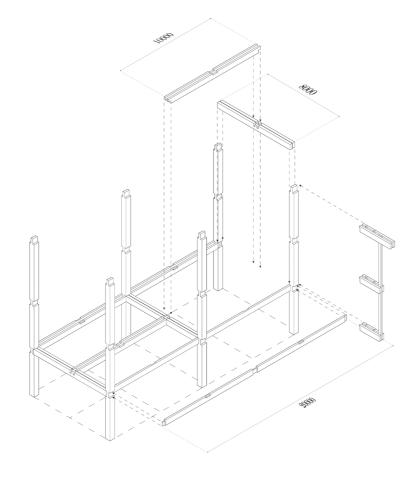
### SECUNDAIR GRID secundary grid, deviding super grid into smaller spatial elements

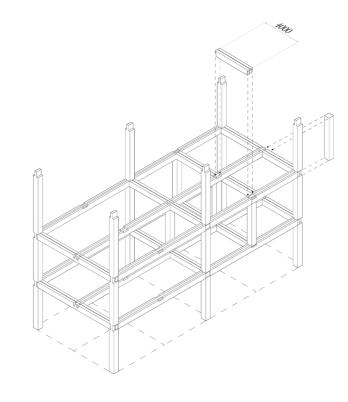


## TERTIAIR GRID

tertiair grid, existing out of removable leightweight floorplates





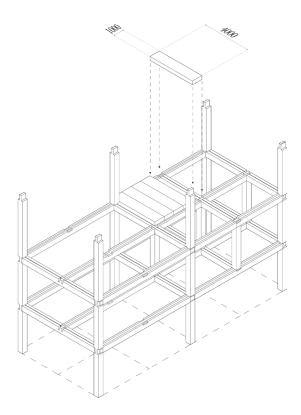


STRUCTURAL FRAGMENT system of the three different grids in one fragment

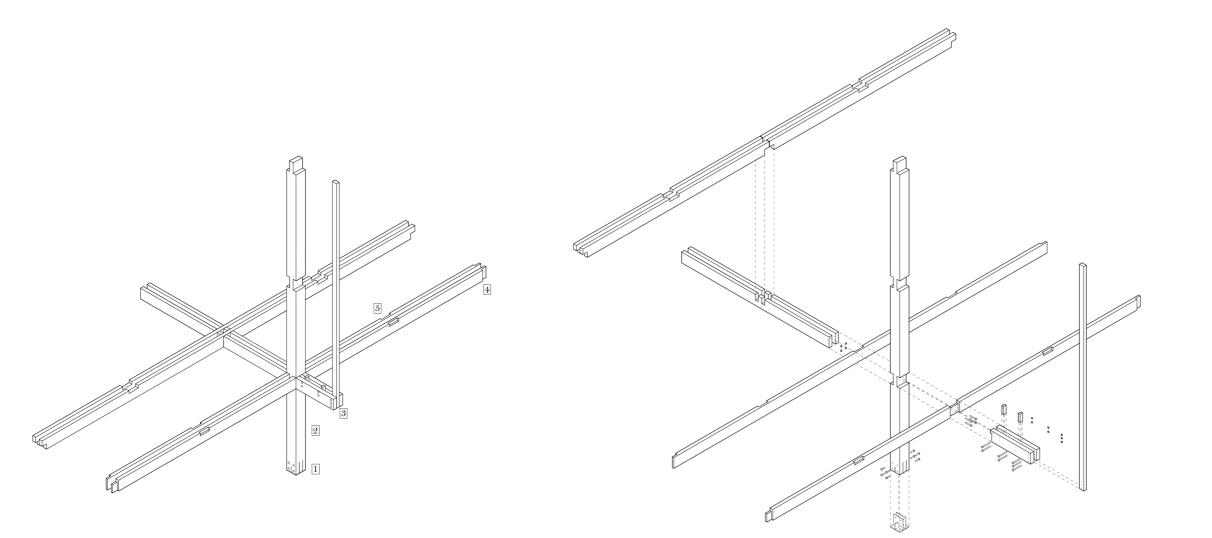
THE SUPER GRID structural system existing out of long CLT columns and beams, by positioning the colums on the outside a column free space is being created

THE SECUNDAIR GRID system of assembling or disassembling smaller CLT columns and beams in order to transform the grid into smaller or larger modules in horizontal and/or vertical directions

Three grids creating one system



THE TERTIAIR GRID system of assembling or dissassembling small and light-weight floorplates in order to create openings and vertical connections



## STRUCTURAL JOINT

1- steel profile for anchoring column with the foundation 2- overdimensioned CLT column 500x500 mm (h.o.h 5000

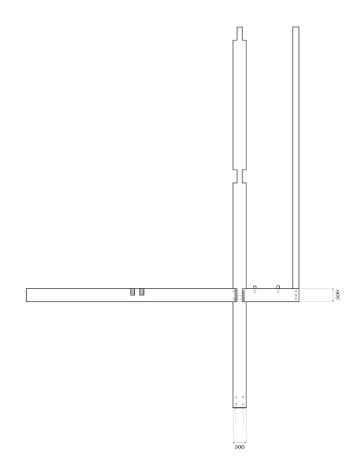
mm) from ground floor to roof

3- CLT beams 150x500 mm supporting gallery floors 4- Overdimensioned CLT beams 150x500 mm with a

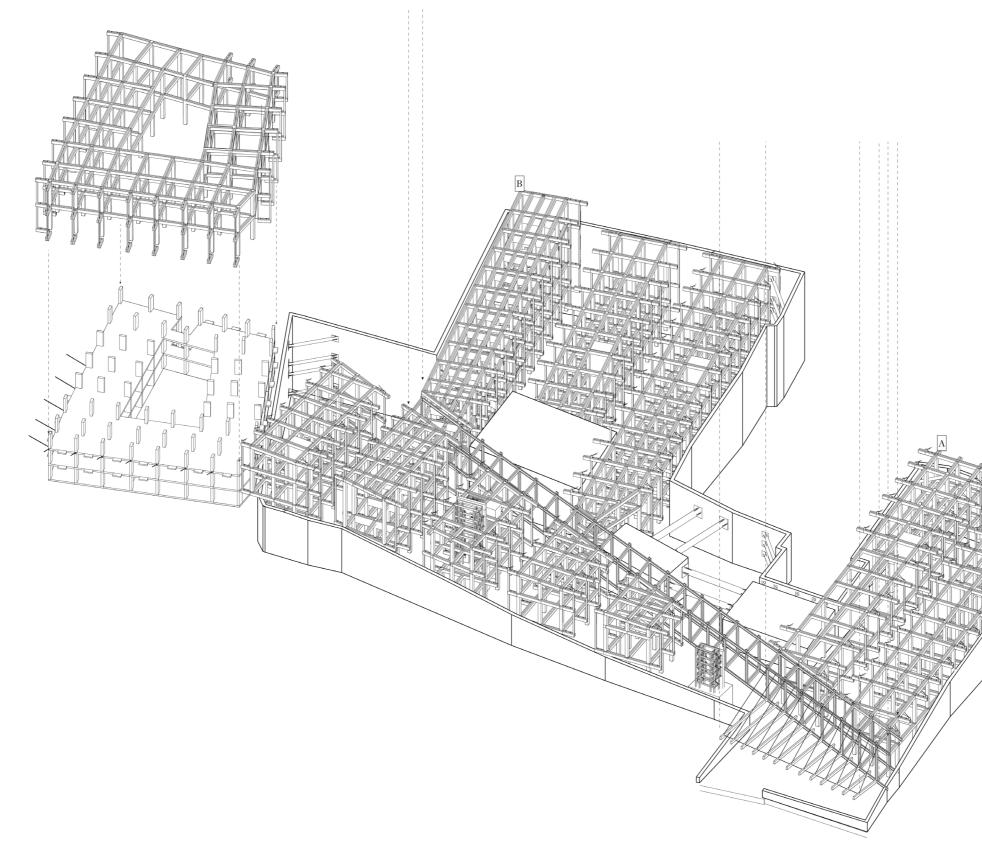
lenght of 20 meters for stiffness 5- notches for filling in for the secondary grid structure

## EXPLODED AXONOMETRIC

CLT construction & connection

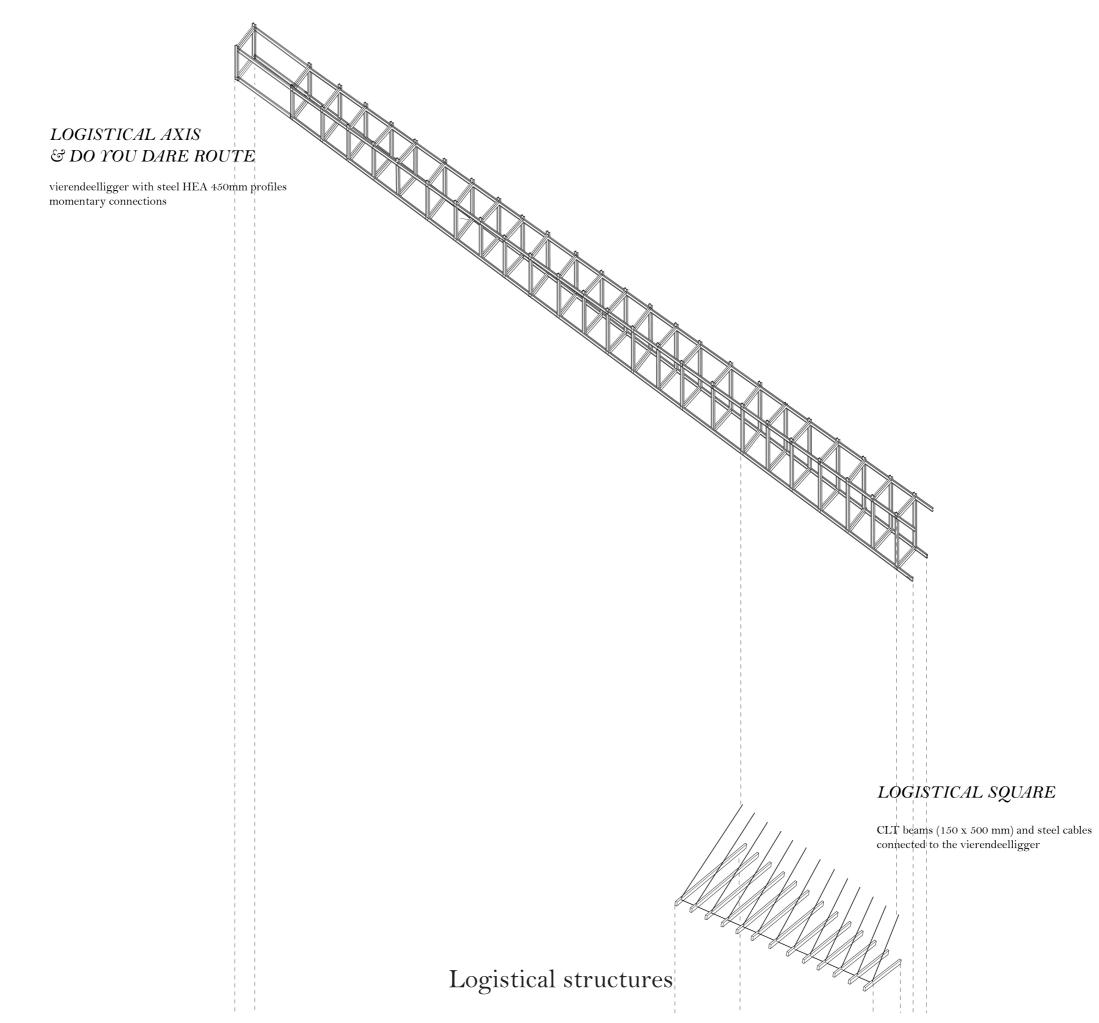


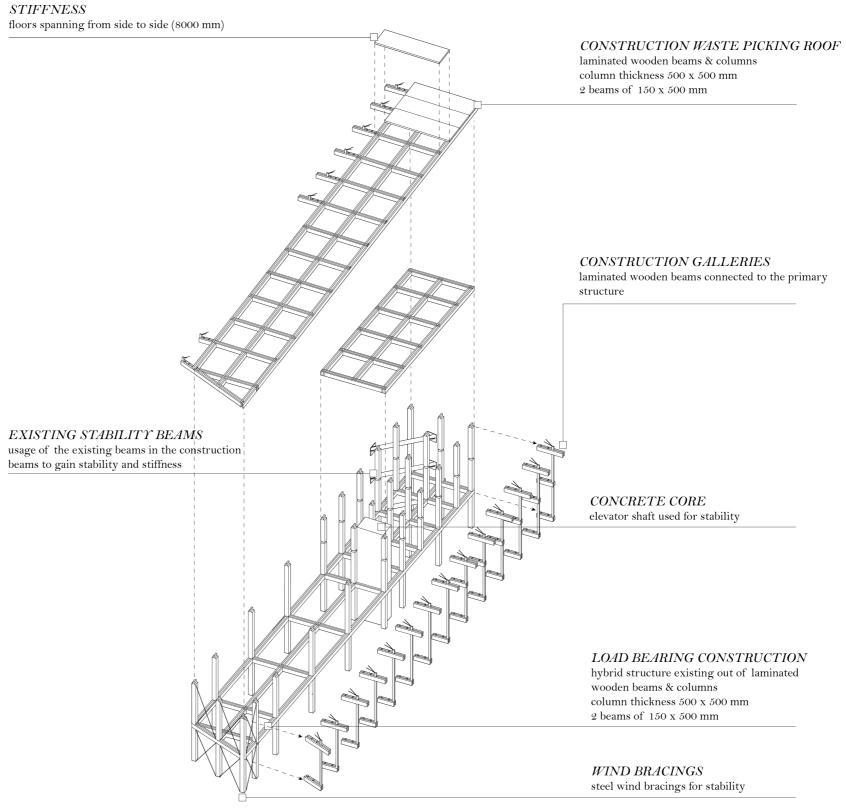
# JOINT ELEVATION



The hybrid structure



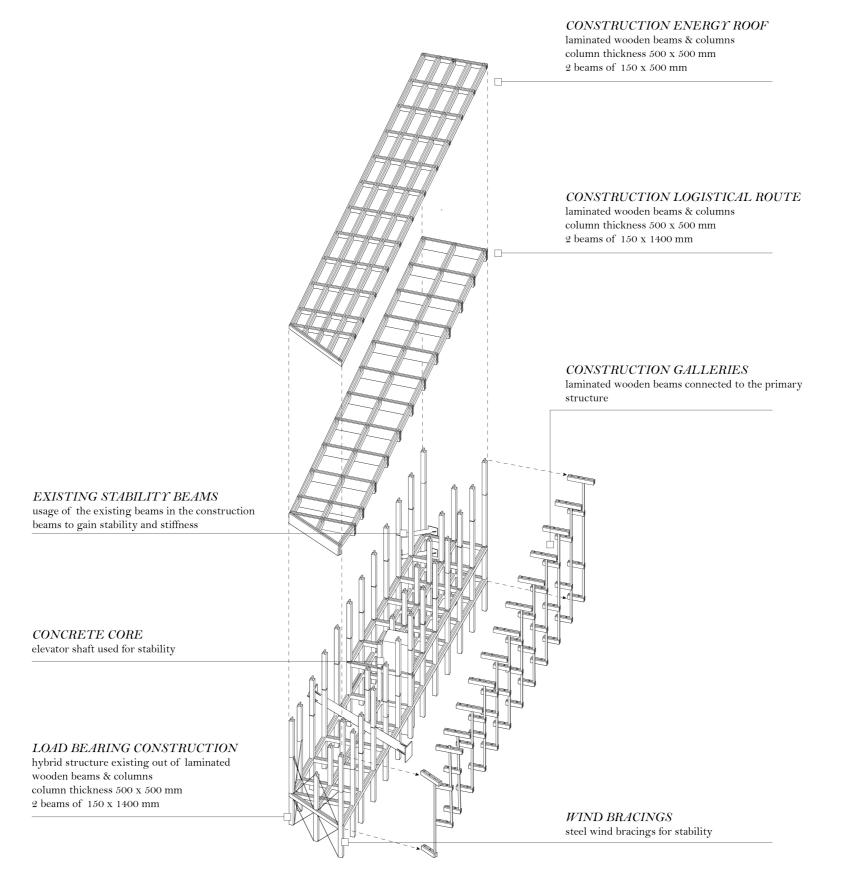




### A WORKSHOP STRIP

super grid (8000 x 10000 mm) & secundair grid (4000 x 5000 mm)

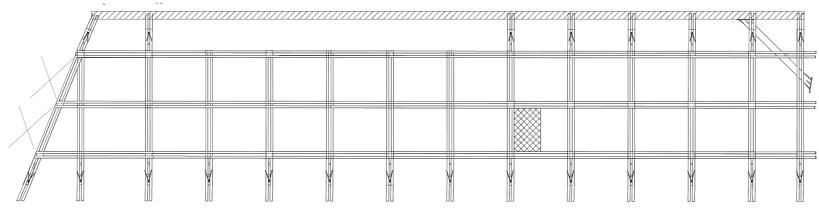
Anatomy workshop strip



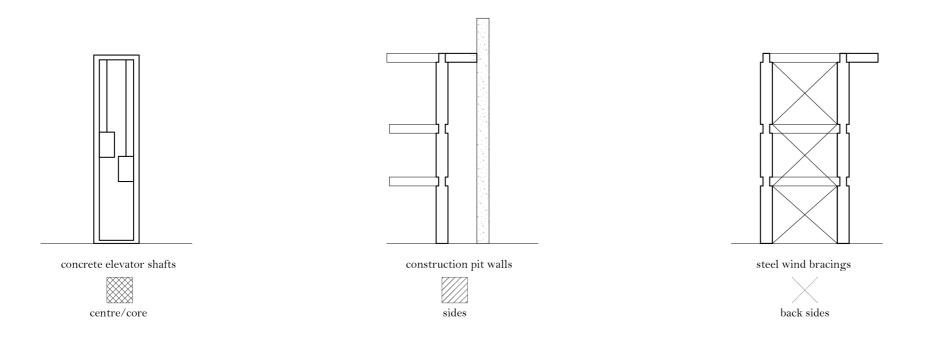
B LOGISTICAL STRIP & WORKSHOP STRIP

Exception in gridsystem due to logistical ramp super grid (8000 x 5000 mm) secundair grid (4000 x 5000 mm)

Anatomy logistical & workshop strip

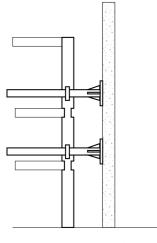


the elements of stability working together



ELEMENTS OF STABILITY

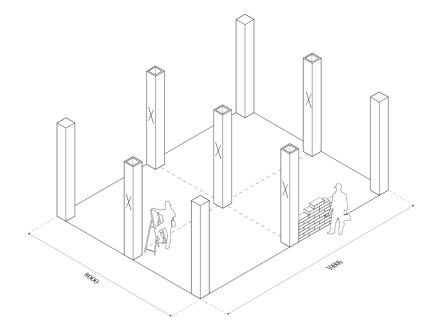
# Elements of stability

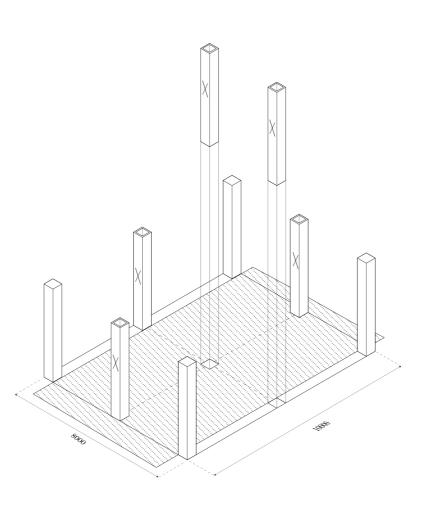


existing construction pit beams

front sides

3.5 Catalogue





REMOVE

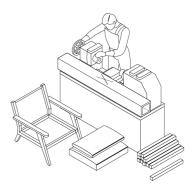
possibility to grow inside the structure or to gain an open floor plan
 removable columns

\* In some strips the removable columns are already left out, because larger informal practices are expected.

\* SUPER GRID WITH SECUNDAIR GRID

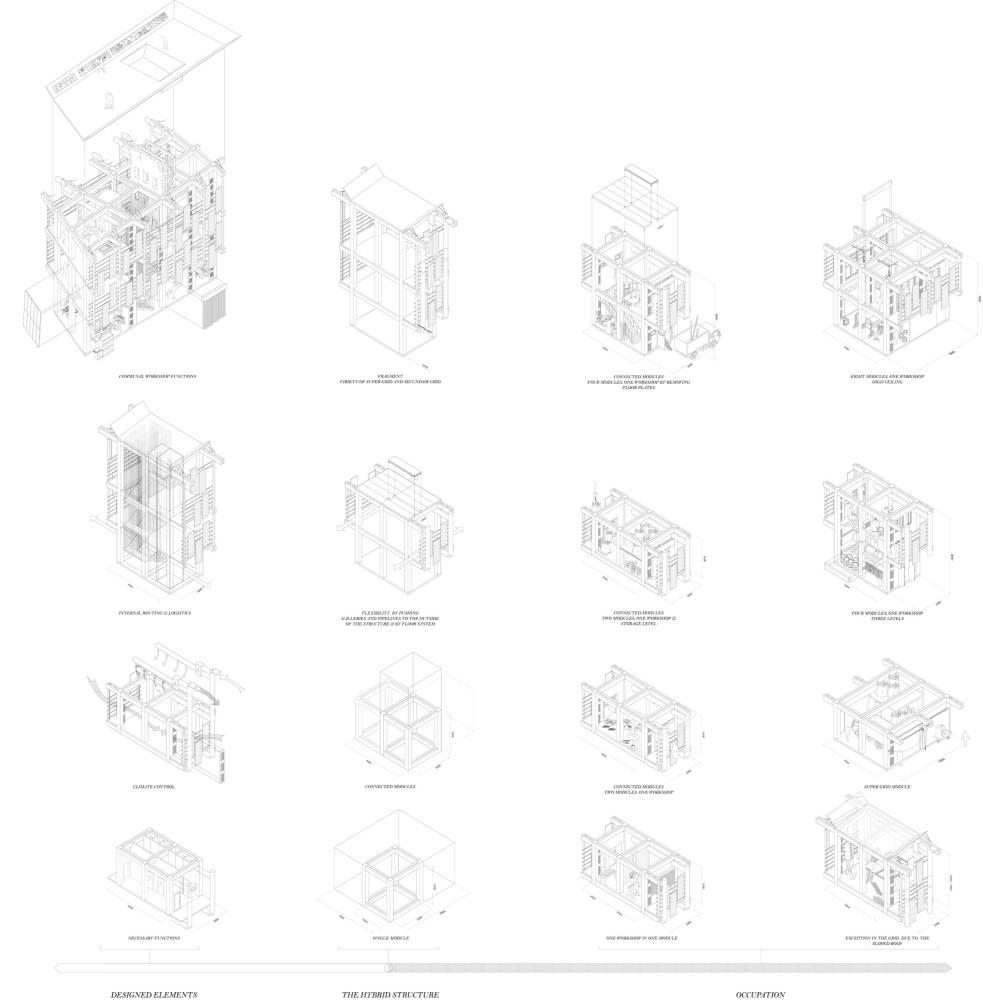
removable columns are marked
 add your own facade

Usage of the hybrid structure



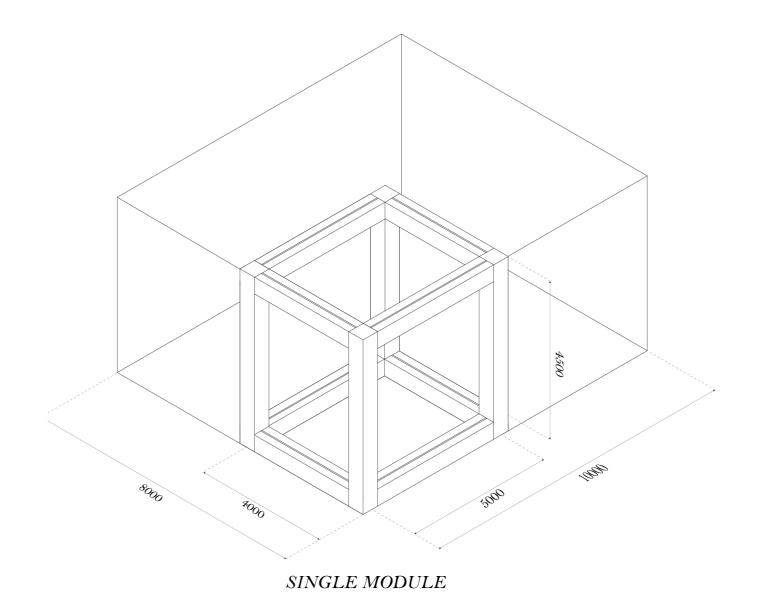
REUSE

New life possibilitiesRemoved colums can be reused for structural addition or for crafts

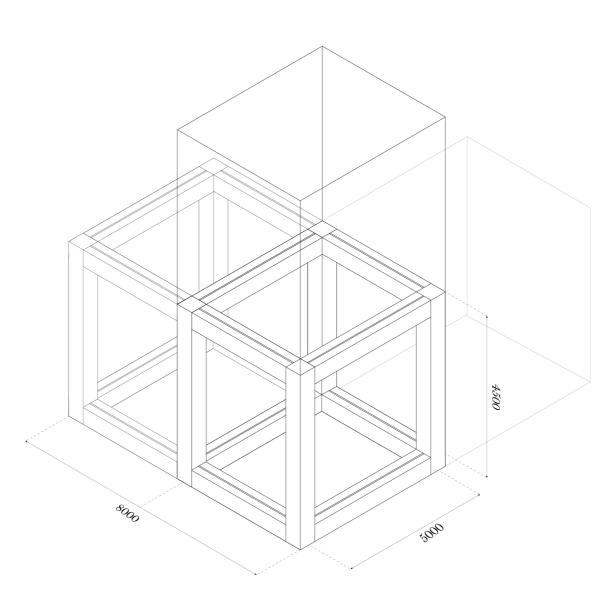


DESIGNED ELEMENTS ROLE OF THE ARCHITECT

THE HYBRID STRUCTURE HYBRID STRUCTURE OCCUPATION SELF REGULATION OF INFORMALITY

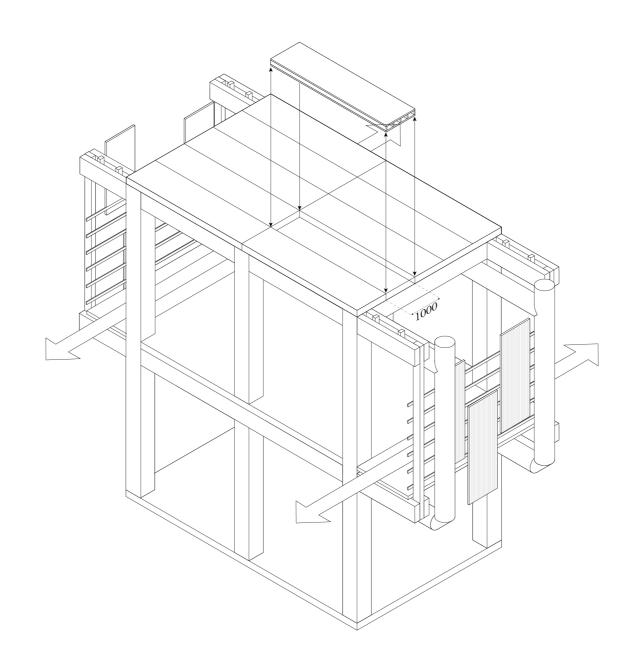


Completion of the hybrid structure



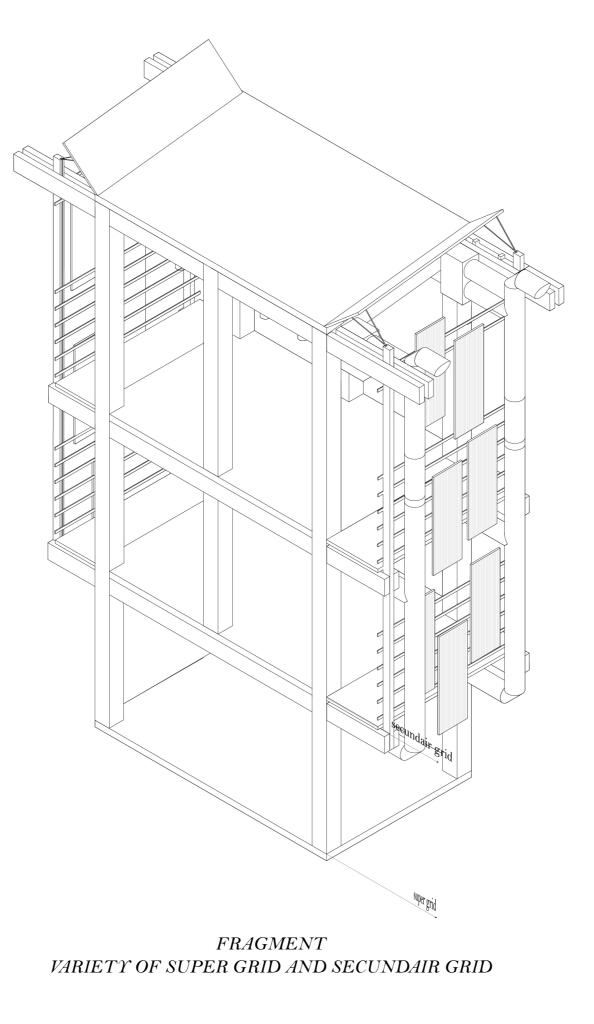
CONNECTED MODULES

Completion of the hybrid structure

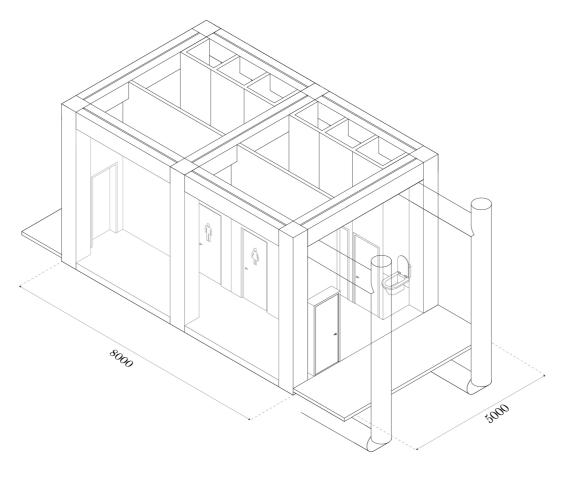


FLEXIBILITY BY PUSHING GALLERIES AND PIPELINES TO THE OUTSIDE OF THE STRUCTURE & BY FLOOR SYSTEM

Completion of the hybrid structure

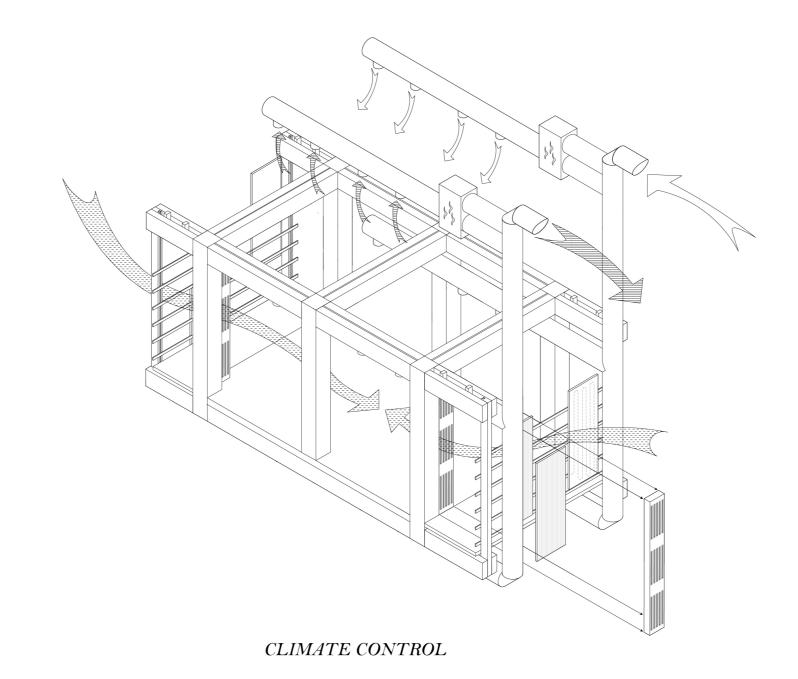


Completion of the hybrid structure

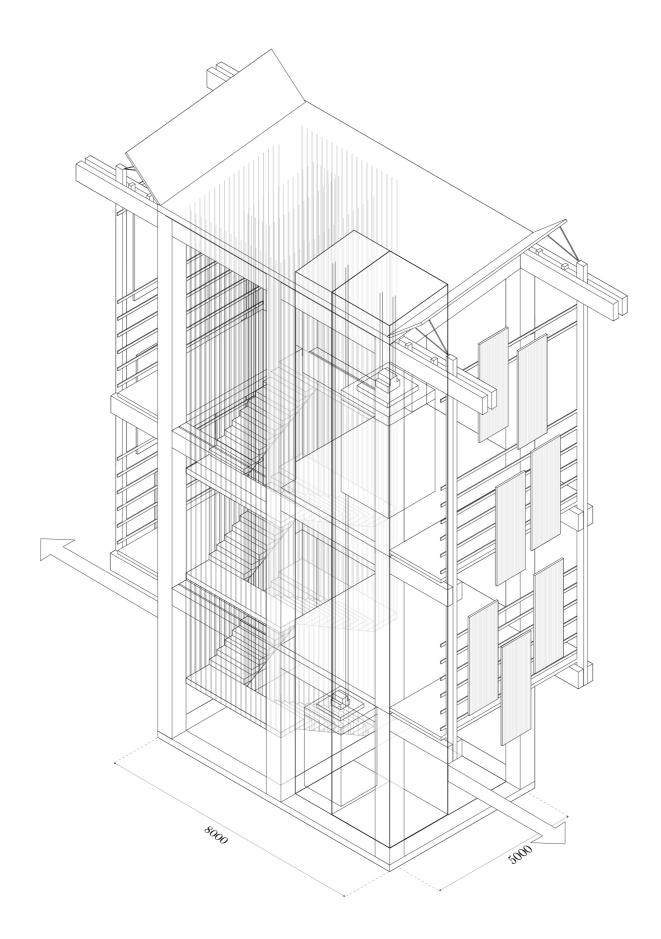


NECESSARY FUNCTIONS

Designed elements by the architect

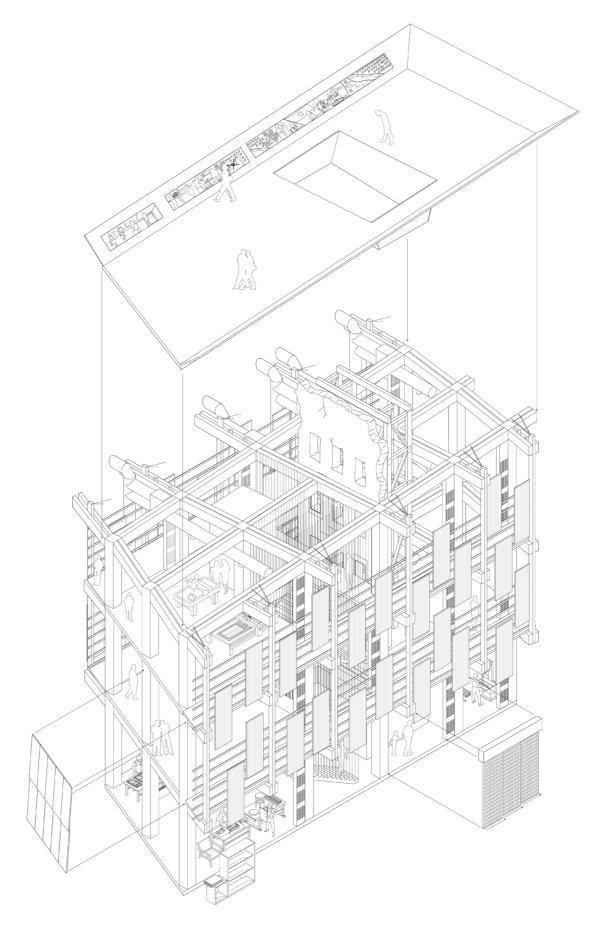


Designed elements by the architect



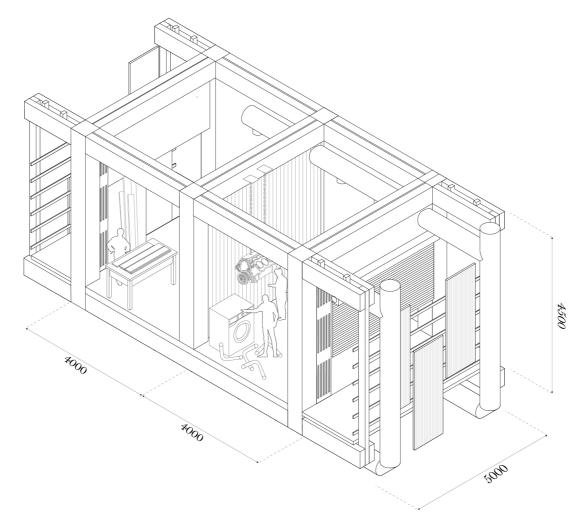
INTERNAL ROUTING & LOGISTICS

Designed elements by the architect

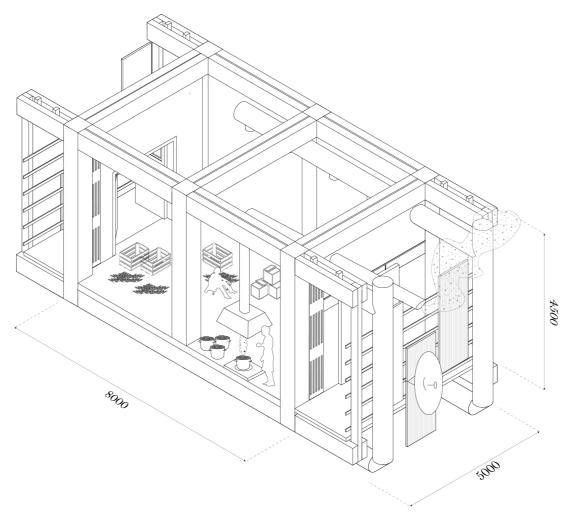


COMMUNAL WORKSHOP FUNCTIONS

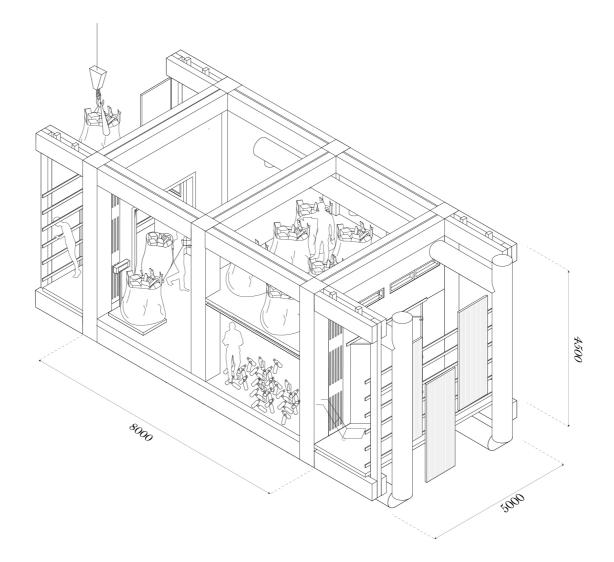
Designed elements by the architect



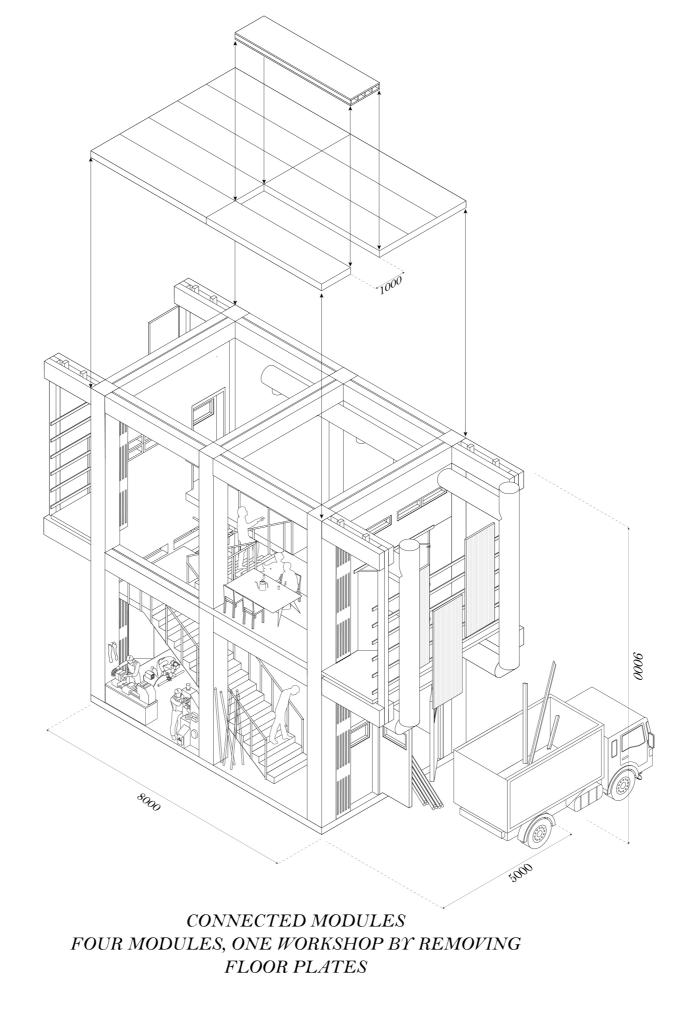
ONE WORKSHOP IN ONE MODULE

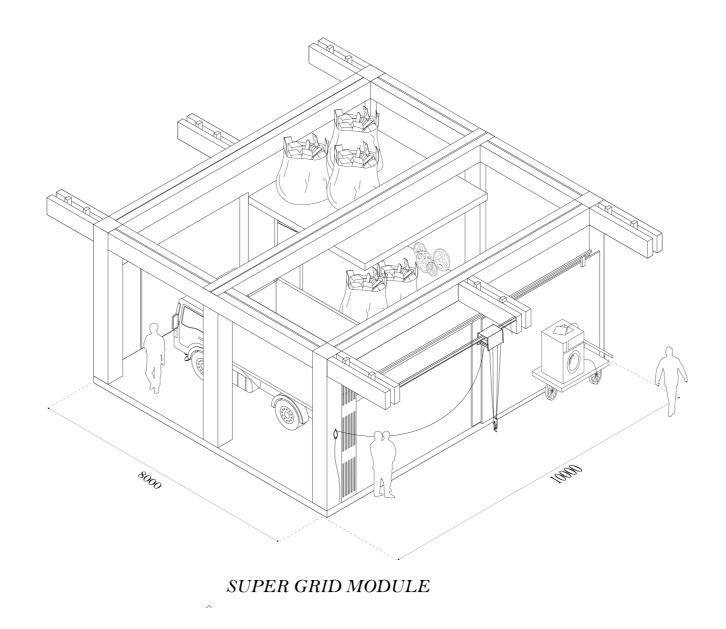


### CONNECTED MODULES TWO MODULES, ONE WORKSHOP

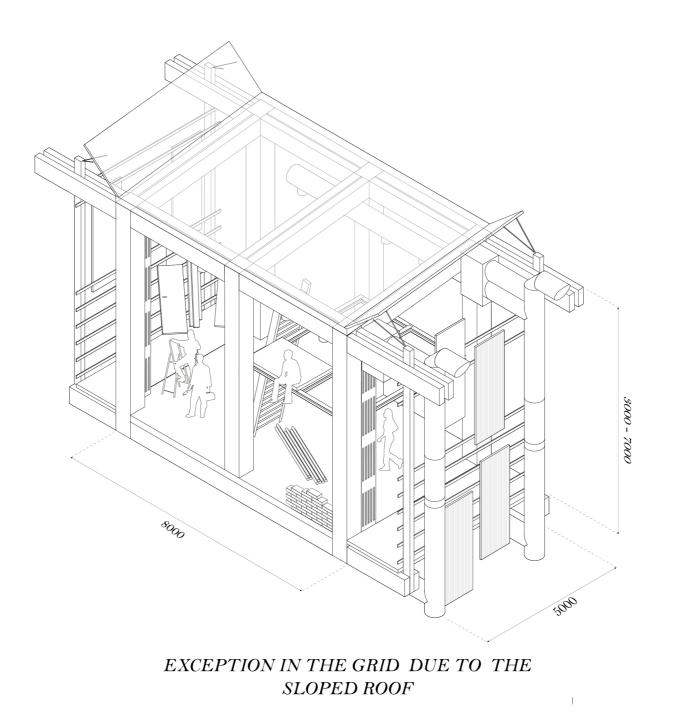


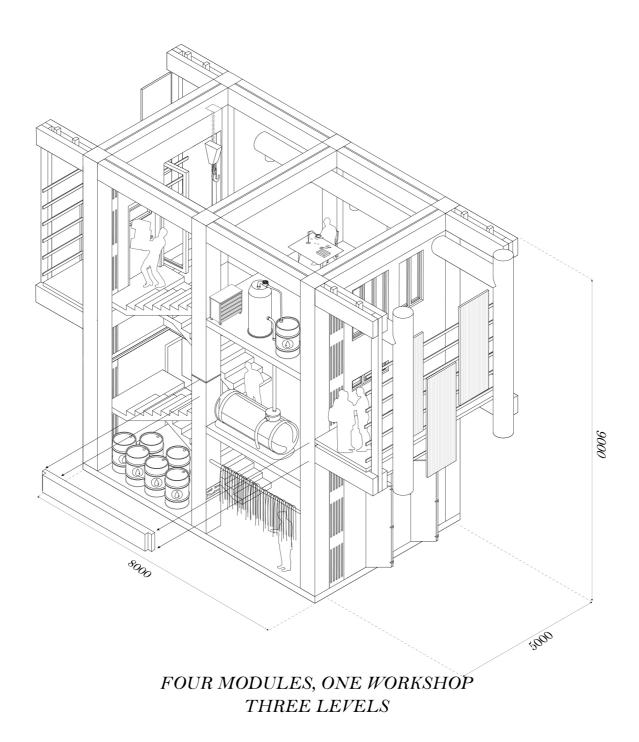
CONNECTED MODULES TWO MODULES, ONE WORKSHOP & STORAGE LEVEL

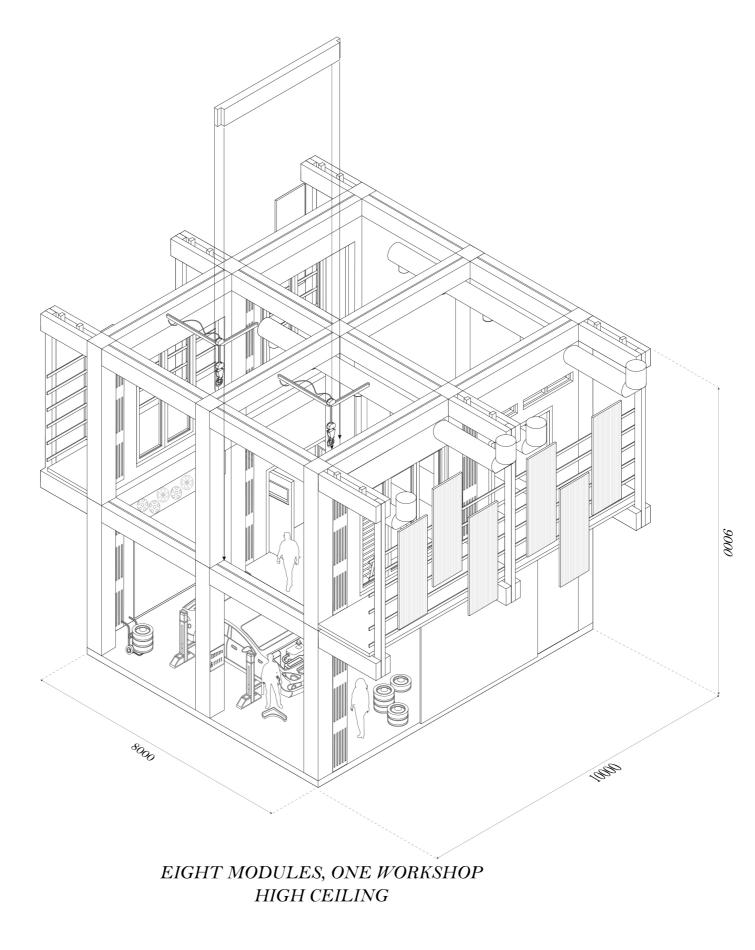




Occupation of the informal practices





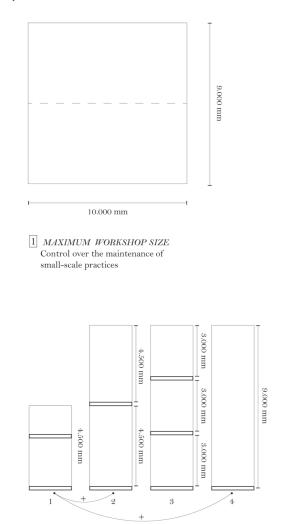


**3.6 The Operation** 

## *HOW TO LOSE CONTROL?* adaptivity

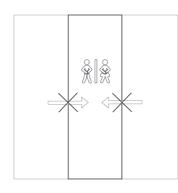
#### RULES OF CONTROL

to guide a small part of the process via a protocol

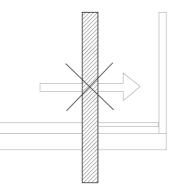


 MAXIMUM OF FOUR FLOOR CONFIGURATIONS
 Climate panels cannot be replaced.
 At least two ventilation tubes per workplace, because of heating.
 Combinations between cofigurations 1, 2 & 4 are possible

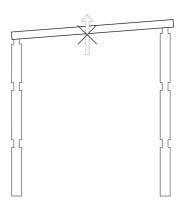
- 2 TRANSFORMATION TO SUPERGRID Only marked columns are allowed to be removed



6 NECESSARY FUNCTIONS CANNOT BE PRIVATIZED Necessary functions such as toilet units, communal platforms and internal routing cores cannot be occupied by an informal practice. However communal strips can be privatized in the future in the case it turns out to be unnecessary.

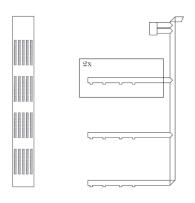


3 *KEEP ROUTING FREE* Galleries on both sides of the strips are not allowed to be occupied due growing practices

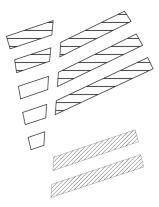


SLOPED ROOFS ARE THE LIMIT OF VERTICAL GROWTH The building cannot get higher than the sloped roofs

The Rules



4 NON REMOVABLE CLIMATE ELEMENTS Climate panels cannot be replaced. At least two ventilation tubes per workplace, because of heating.

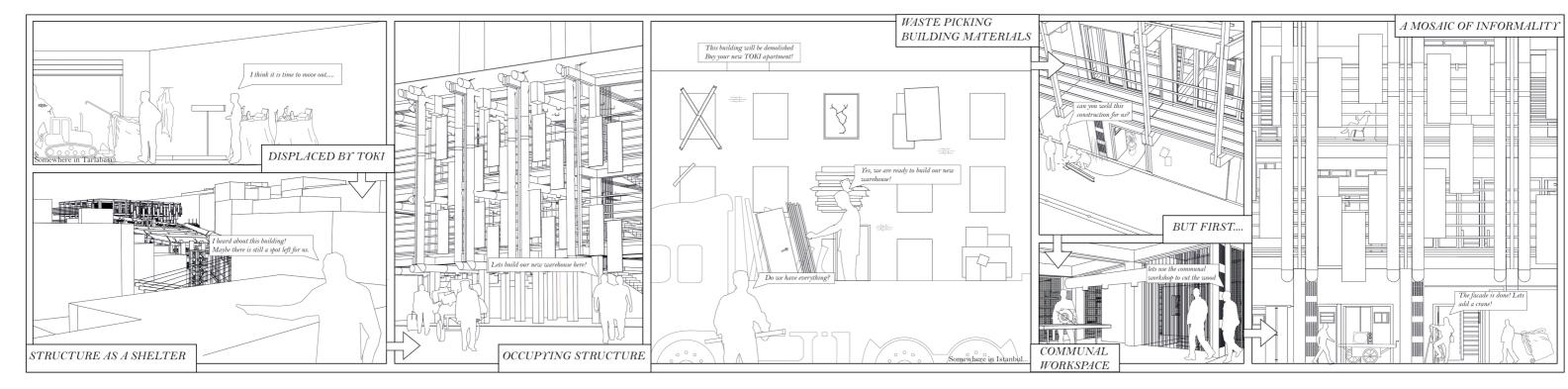


8 THE SYSTEM AS A WHOLE MUST BE COMPLIED WITH \*

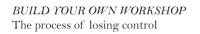
The system of sorting, disassembly, reassembly, and community and trade locations must remain intact.

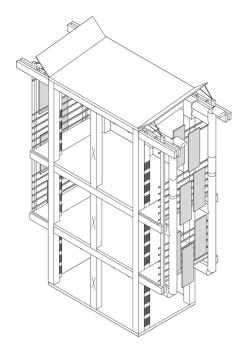
\* If it turns out that this system can be optimized by a different arrangement of the strips, this rule can be broken.

A story about self regulation

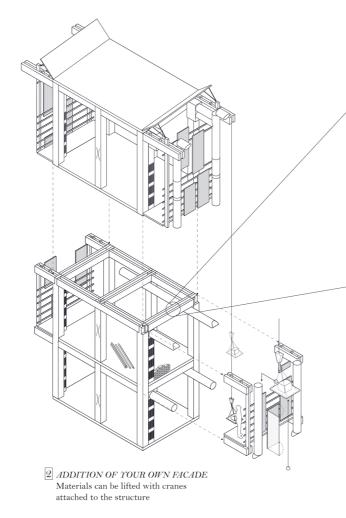


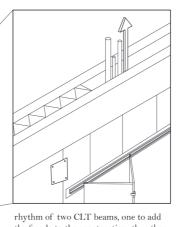
TOOLS OF SELF REGULATION A story about a growing structure

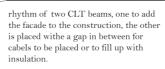


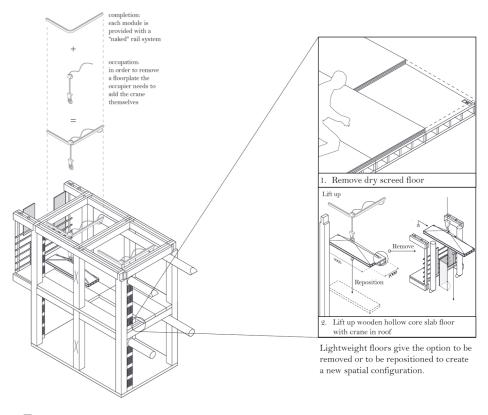






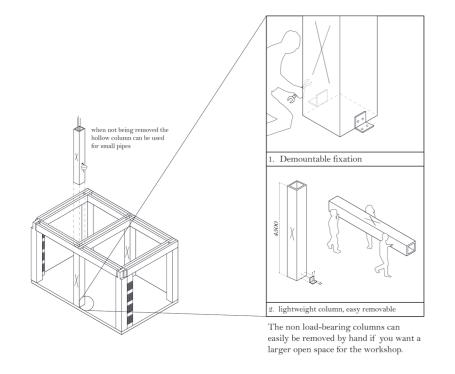


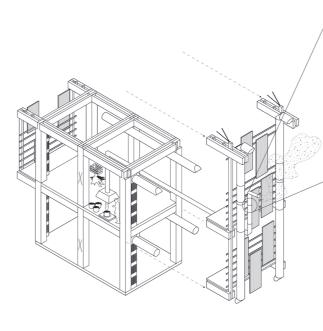


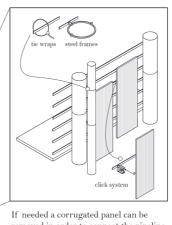




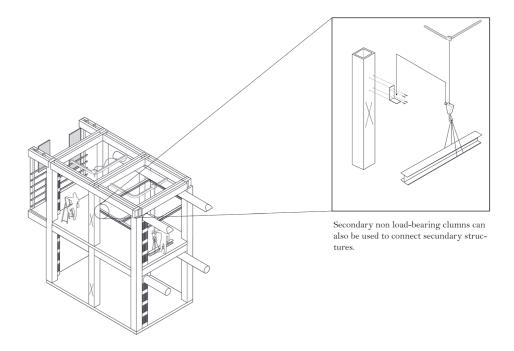
## Build your own workshop











6 ADD A SECUNDARY STRUCTURE How to add a new floor and structure?

4 REMOVE A COLUMN Change your gridsystem from the secondary grid into the primary grid!

5 CONNECT EXTRA PIPELINES Connect big pipelines to your workshop with the skin facade, if necessary

Build your own workshop

3.7 Scale of Flexibility

#### SCALE OF FLEXIBILITY

MULTIPLE FLEXIBILITY SYSTEMS Overview of different spatial systems forming one building

PERMANENT

(P) Elements of the building that cannot be changed over time.

(S) Same structural principle as the hybrid structure, but used as com-munity spaces. These spaces can be privatized in the future but is not necessarily desirable.

U

U

(F)

₽

SEMI-FLEXIBLE

(F) Usage of the hybrid CLT structu-re, that can be changed according the needs of the occupier. Alt-hough changes to the structure are only possible by actions of the the occupier.

₽

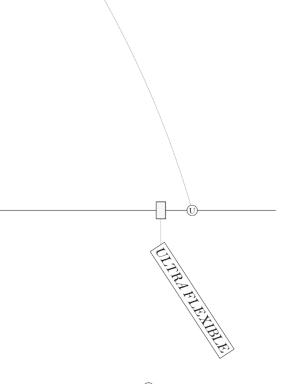
FILENIBLE

U

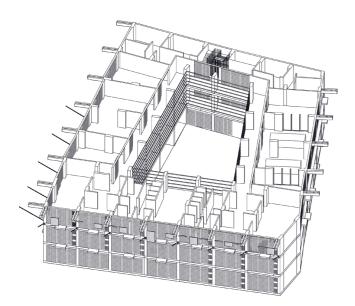
(F)

Scale of flexibility

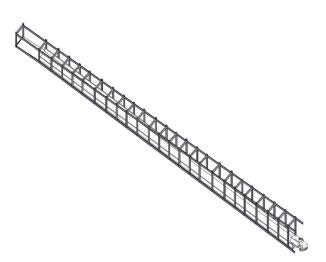
(U)---



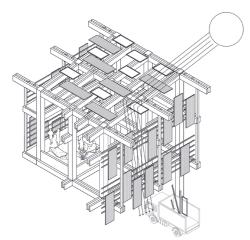
(1) The ultra flexible spaces are open & communal spaces, that can be used in multipe ways. Changes to these spaces are taking less effort and there are less elements of spa-tial control.



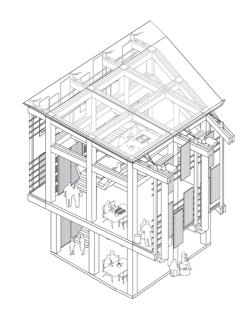
 
 1
 RE-USED CONCRETE GENTRIFICATION STRUCTURE
 The structure of the seasonal workers hotel is permanent, offering different type of rooms and communal spaces.

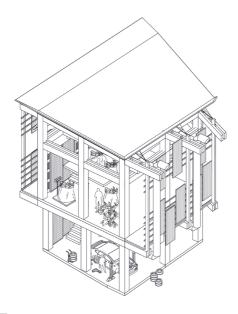


2 THE LOGISTICAL VIERENDEELLIGGER This steel vierendeelligger construction functions as an important internal routing system. Therefore it is permanent, also if for exam-ple small trucks will be displaced by more sustainable transport.



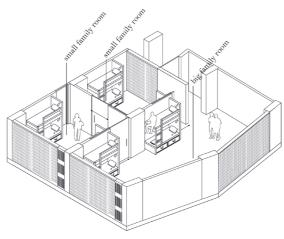
3 COMMUNAL PLATFORMS WITH OPEN STRUCTURE This CLT structure is open with communal platforms inside. The open structure allows sunlight to enter the construction pit and offers communal platforms. The structure functions permanently like this



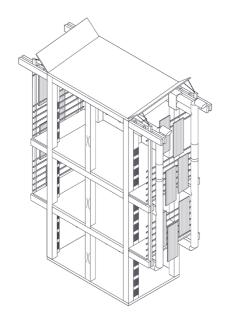


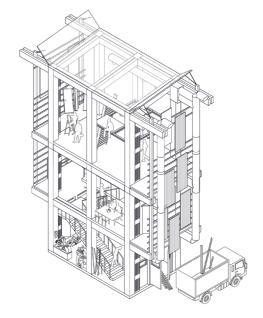
 COMMUNAL HYBRID STRUCTURE STRIPS

 The structure and grids are the same in the communal strips, which gives the option to the strips to be privatized or changed in the future

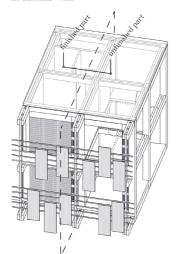


SEASONAL WORKERSHOTEL ROOM The sliding doors make it possible to change a small family room into a large family room (two rooms configurated into one) or to change it to one big hostel room (three rooms configurated into one big room).

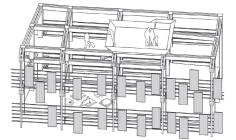




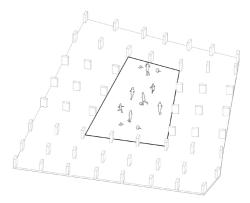
1 THE HYBRID WORKSHOP STRUCTURE The completed structure being occupied by the informal world



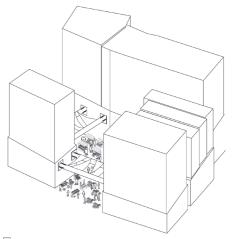
2 PERMANENT WORKERS HOUSE Half of this house is finished, with functions such as sanitary and kitchen facilities integrated. The unfinished part is also using the CLT hybrid structure and can be built by the occupier itself in the future.



1 PLACE OF COMMUNITY LIFE SEASONAL WORKERS HOTEL This CLT hybrid structur on top of the seasonal workers hotel func-tions as an flexible space that can be changed due its activities. There are also platforms that can be transformed in for example a gardening platform.



PLACE OF COMMUNITY LIFE SEASONAL WORKERS HOTEL The square in the middle of the seasonal workers hotel functions as a meeting point. The courtyard can be transformed into all kinds of functions, such as a playground, sportfield, space for parties, etc.



MARKET SQUARE The market square is an open central spot between the strips of the building, which functions as an trading spot. Different type of markets can take place here.

**3.8 Completion - Occupation - Resilience** 

## The lost art of productively losing control:

We (architects) need to stitch back creation and execution and start offering processes again, instead of offering objects.

(Joshua Prince-Ramus)



Section AA - Completion

COMPLETION SECTION - AA scale 1:200



*INDEX* 1. Do You Dare Route 2. gentrified block 3. seasonal worker hotel

anonymous food wall
 high ceiling informal module
 two floors informal module

7. logistical ramp 8. small informal module 9. informal module with storage level

10. crane added informal structure 11. communal workshop spaces 12. communal workshopspaces

13. tea house 14. historical preserved facade 15. logistical square

16. waste picking & recycling roof 17. vierendeelliger with logistical axis 18. start Do You Dare Route (house of disription)

19. place of community life
 20. communal kitchen
 21. communal bathroom

22. long stay seasonal workershotel room 23. gardening platform 24. observation point

SECTION - AA scale 1:200



Section BB - Completion

*COMPLETION SECTION - BB* scale 1:200



*INDEX* 1. energy roof 2. logistical ramp 3. Do You Dare Route

4. internal logistical ramp 5. two storey workshop space 6. added storage level

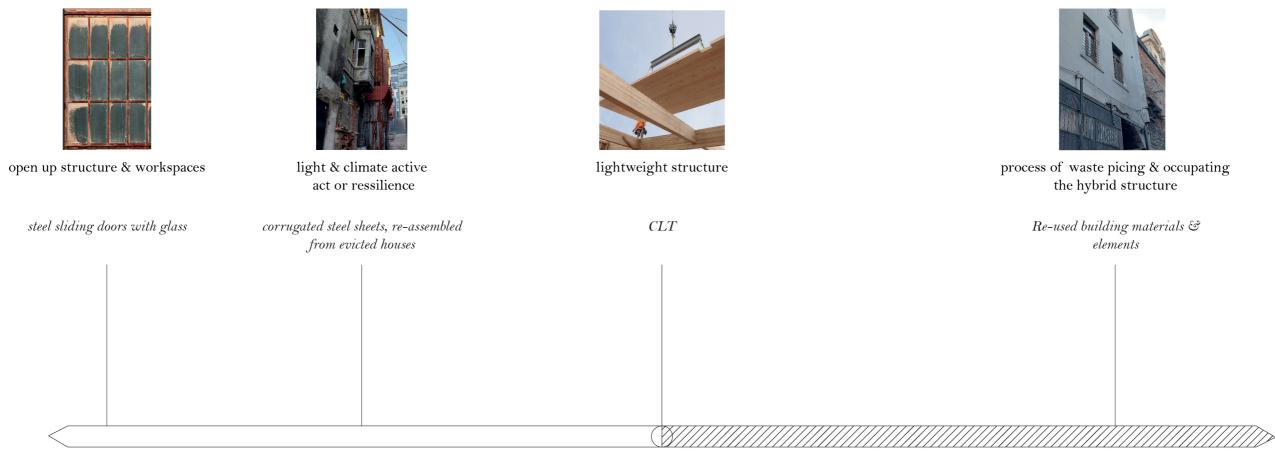
7. small workshop module
 8. toilet module
 9. staircase

10. removed floor and column module11. 3 storey workshop12. logistical passage

13. horizontal expanded module 14. high ceiling module 15. existing construction pit beam

Section BB - Occupation

16. main logistical axis 17. elevator 18. dynamic seismic isolation system *OCCUPATION SECTION - BB* scale 1:200



COMMUNAL FACADE

SKIN

### STRUCTURE

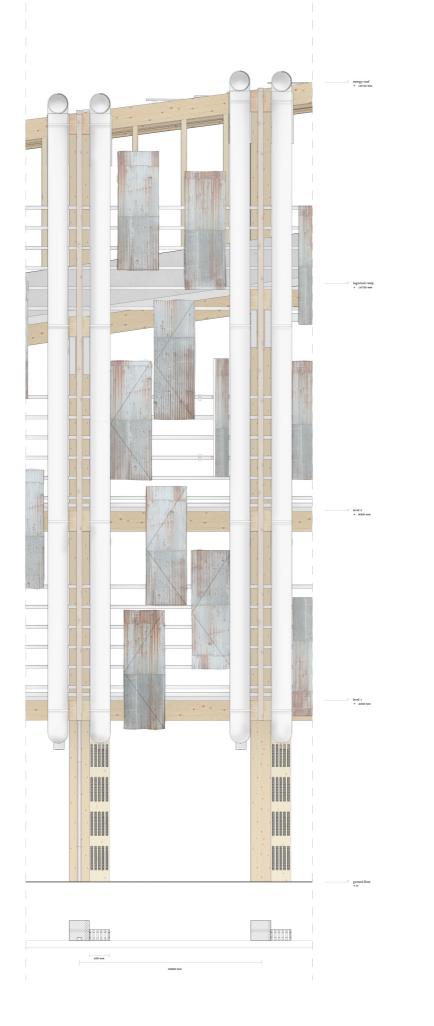
role of the architect

role of the architect

hybrid structure

### FILL INS

self regulation of informality



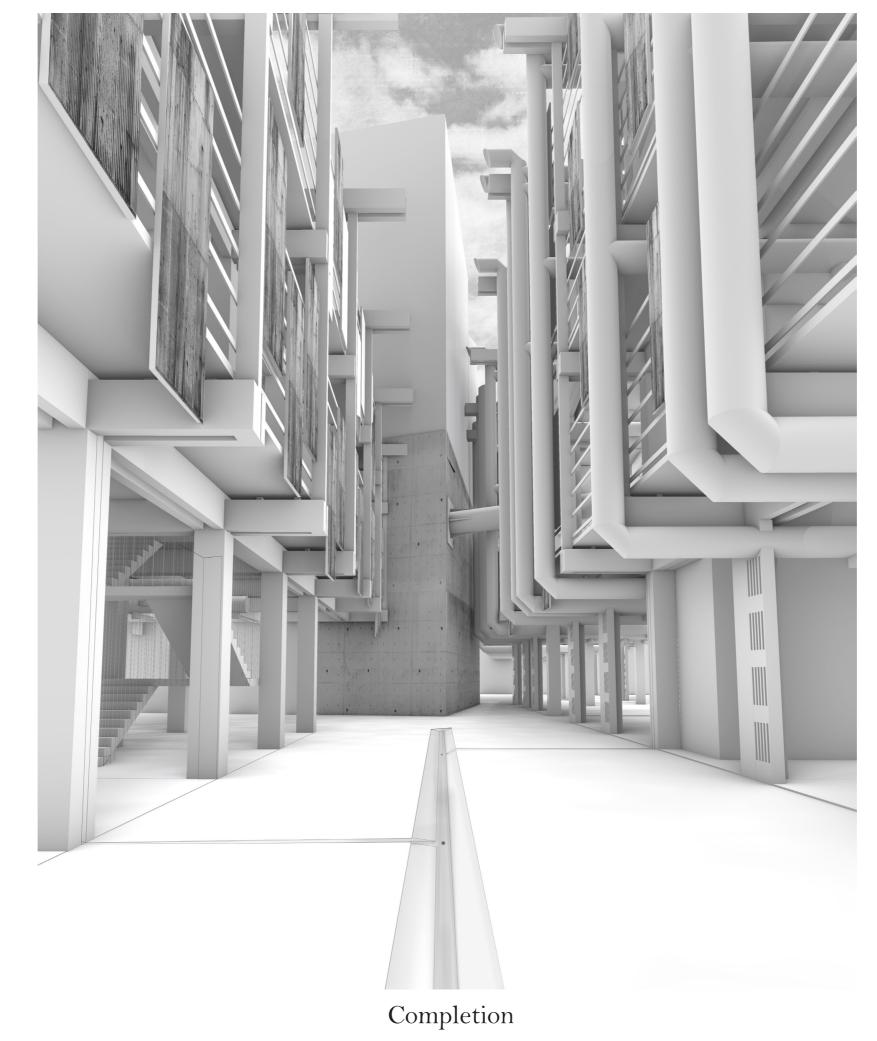


1:20 fragment - Completion & Occupation



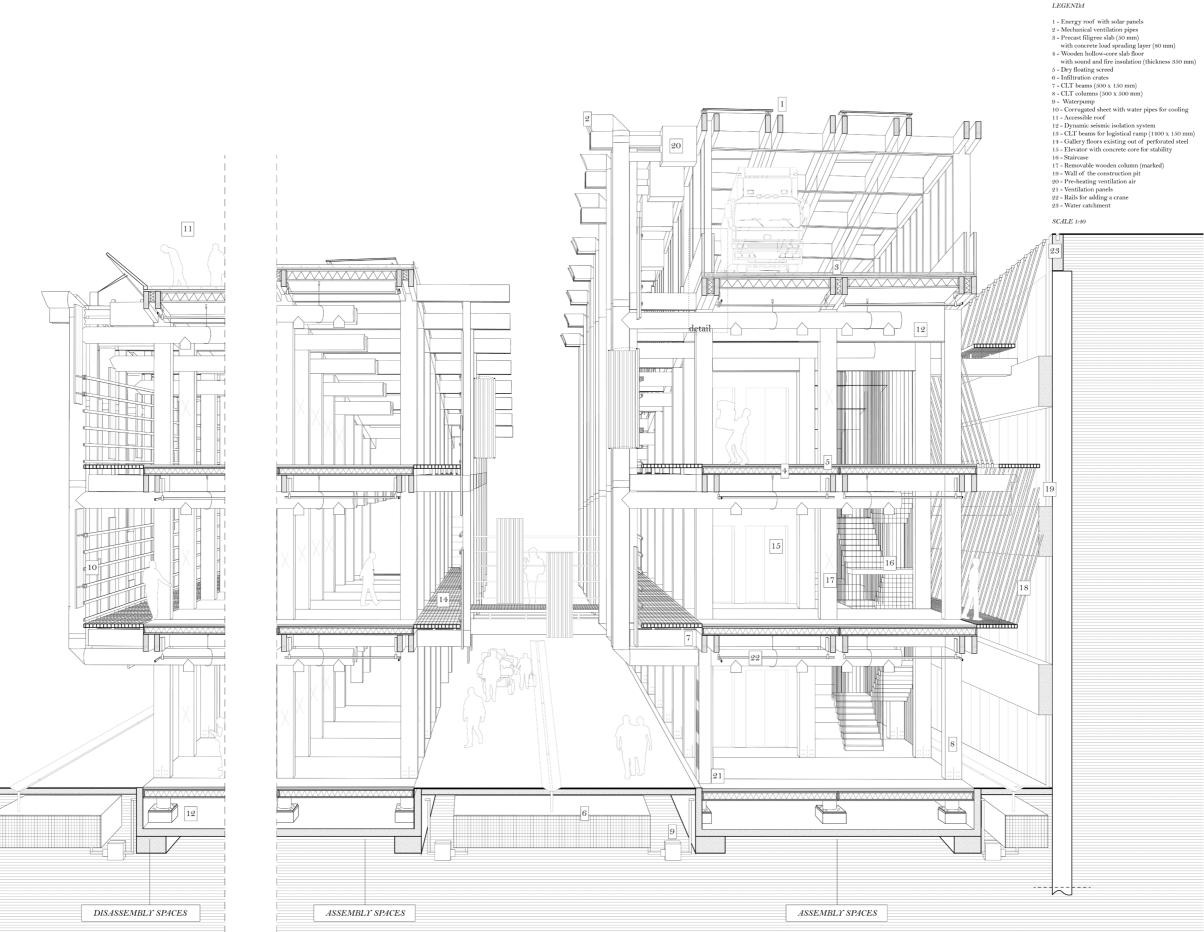
logistical ramp + 24700 mm level # + \$000 mm level 1 + 4500 mm

energy roof + 29750 mm



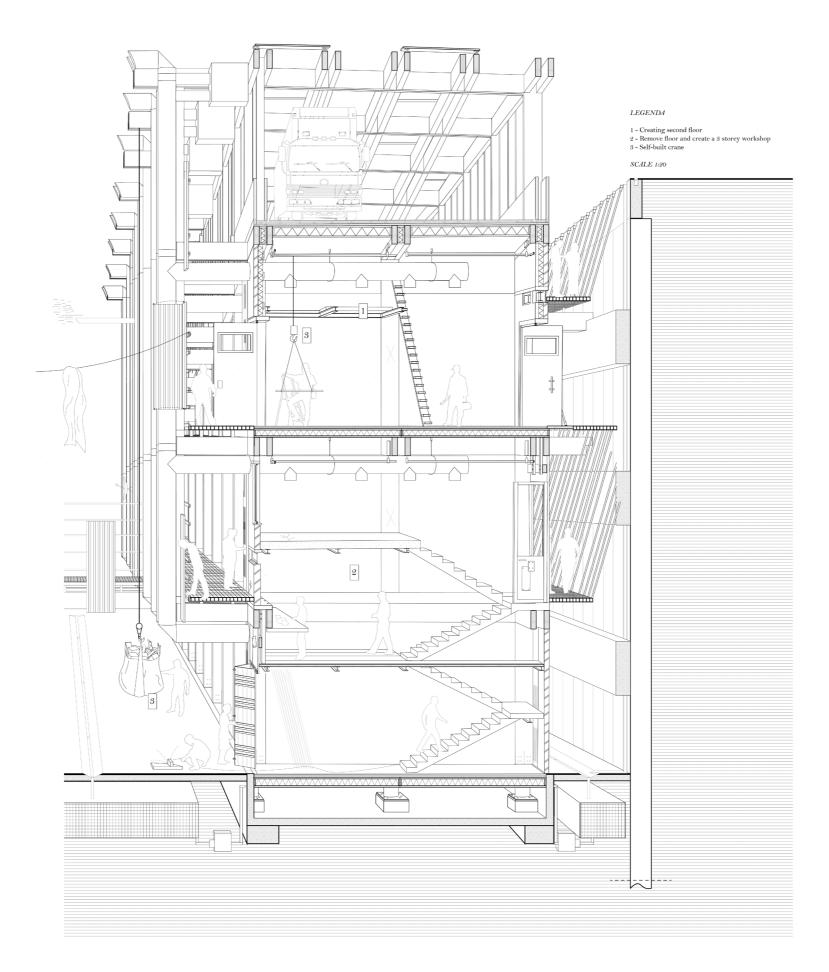


Occupation

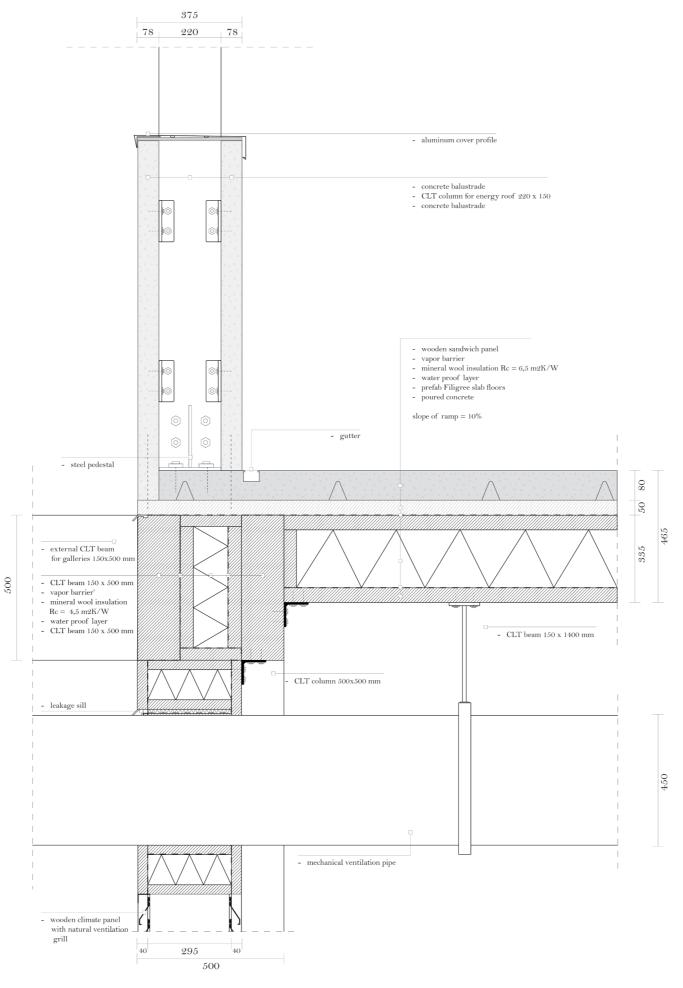


1:20 detail - Completion

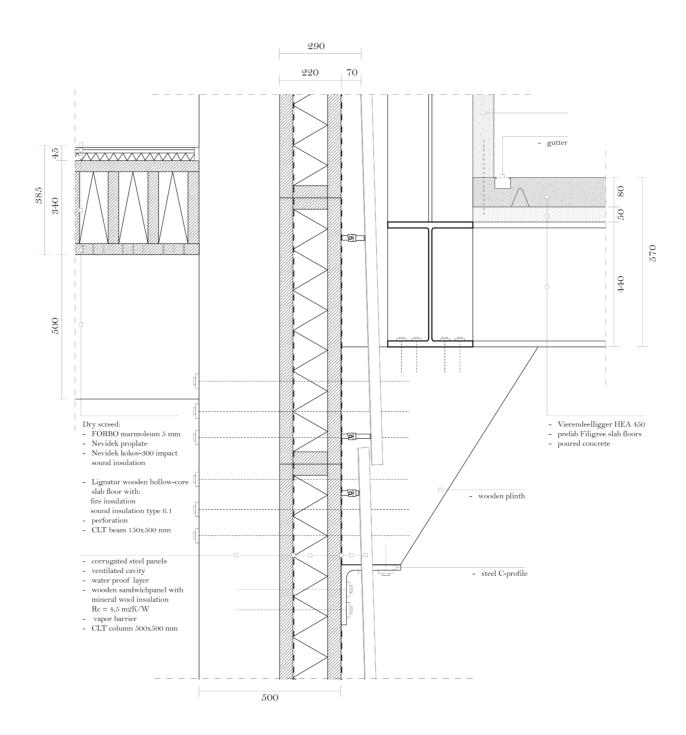
#### LEGENDA



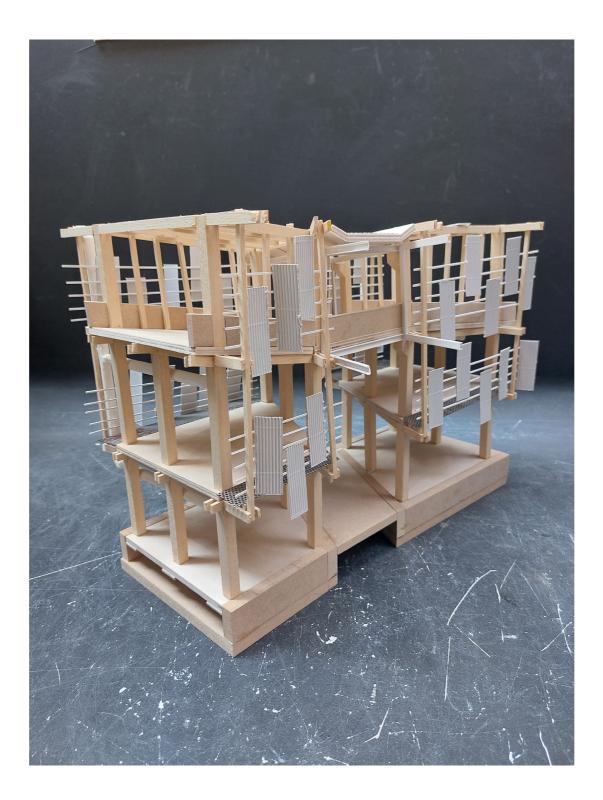
1:20 detail - Occupation

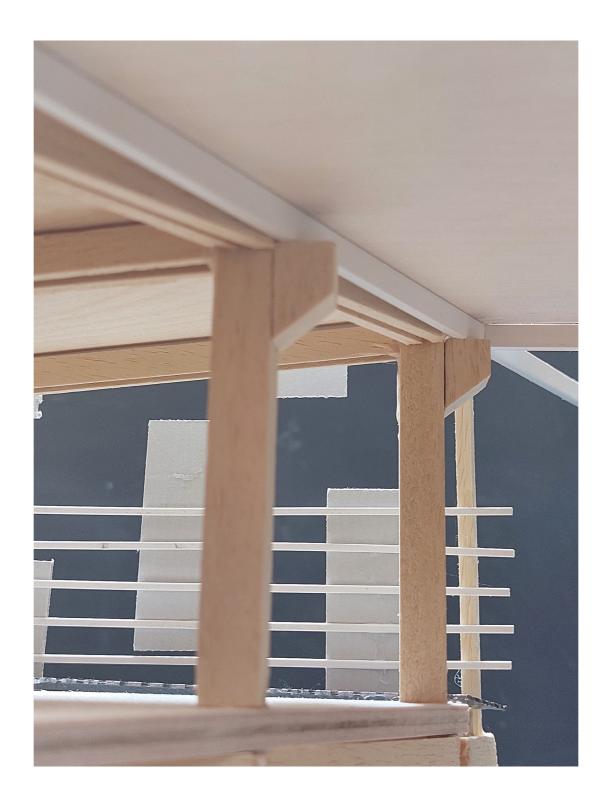


1:5 details - logistical ramp



1:5 details - connection logistical ramp vierendeelliger with strips





# You cannot stop gentrification, but at least you can say: look what you are losing. All we can do is to give an image to an idea.

(Christopher Doyle)



Tarlabasi 1957

Thank you