MSc 3 Independent Group

Design and Research
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Research Plan

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Interiors Building Cities

COLLECTIVE INTIMACY

Revive the collective housing as a utopian oasis

RESEARCH		FROM RESEA	ARCH TO DESIGN	DESIGN	
Models of Collective Housing	Dilemma of Dissolution	Historic Context	Response	Design Intimacy	
Literature review_ terminologyCase StudyTheortical + historical framework of the project		- Enthnographic Investigation - Archive (online, on-site) - Photographic+ video documantation - Interviews		Layers of intimacyRenovation of old buildingNew structure of 'Shed' and 'Pavilion'Landscape	

DESIGN SITE
Shenyang Workers' New
Village_1952

Part I. Collective housing & dilemmas

List of case studies

	Collective housing	Region	Descriptions & Relevance	Individual Units	Shared Elements	Model	Collective housing	Region	Individual Units	Shared Elements
1825	New Harmony Community	UK	an ideal living model combining education, leisure, and consumption	for families	a central kitchen, dining halls; shared bedrooms for children; educational facilities such as a library, meeting rooms, and a school; other facilities- gymnasiums, an inn, and a hospital ward.	Hostels & Boarding Houses	Rehhoff straße Hostel	Hamburg 1913	112 single functional and furbished rooms of 8m², <u>for men</u> <u>only</u>	cleaning and laundry rooms and toilets, a bathhouse, a restaurant with dining room, leisure areas, a reading room, a coop store, and administrative offices, a steward
1829	The Phalanstery	FR	the dissolution of family, different units for children, working people and the elderly; mixed societal classes.	N.A 1620 people	apartments with various sizes and prices; collectively organized spaces; rues-galeries, a walkable roof; interior courtyards, workshops; central kitchen and dining rooms,		Lettenhof Women's Colony	Zurich 1927	29 apartments, 22 single rooms for 60 single women	an alcohol-free restaurant, shared bathrooms for several rooms, various kitchens,
1849	Cite Napoleon	FR	a community for the working class in every district, for a philanthropic and controlling aim	rents for different units- 200 families	from 100 francs for a room to 300 francs for larger units; free services: toilets, a crèche, free doctor, a laundry and a drying room; strict rules: inspectors and a gate curfew.	Central- Kitchen	Service House	Copen- hagen 1925	26 separate apartments,	a central kitchen (only for employees); Laundry and dry cleaning services by employees
1849	Familistere residential	Guise FR	support families with shared spaces and facilities	500 units for	a social palace; a central kitchen and dining room; collective bathrooms, laundary, schools, nurseries, and a library, a swimming pool, a theater and various shops.		John Ericsons- gatan House	Stockholm 1935	50 apartments each with a small kitchen connected by a waiter from the central kitchen	a nursery (baby rooms, sleeping auarters), a restaurant (these were open to the public after 1980)
1903	Homesgarth House	Letch- worth UK	part of Letchworth Garden City	for 24 families; 48 apartments	a central kitchen, dining hall, recreation rooms, a nursery, a collective colonnade, a central courtyard	Community settlements	Høje Søborg Collective Housing	Copen- hagen 1925	124 apartments, 223 residents	shared ground floor: a restaurant, cafeteria kitchen, daycare, various creft rooms
1918	Karl-Marx-Hof	Vienna AU	to provide the starving people with shelter and food after war	apartments with own	shared faciloities in central courtyards: baths, a launderette with 62 washing stations, 2 kindergartens, a maternity counseling service, a library; clinics, a tuberculosis care center, a pharmacy; a post office, a restaurant, coffee houses, shops, and assembly halls.	Cooperative For the first time, community living cohabitation and participation became central intentions of collective living, with the desire for community and exchange now exceeding economic consideration				
1930	Narkomfin (Kommunalka)	Moscow USSR	A complete collectivization dissolution of the family units	23 apart- ments , 15 living cells, 8 family apartments	hall kitchens, recreation rooms, cafeteria, library, gym, laundary, rooftop terrace					
1951	Workers' Village	Shenyang PRC	to provide standardized rooms for employees working at state-woned factories	7000 units	1 standardized unit: 4 rooms with 2 kitchens and 2 toilets. Central courtyards, schools, kindergarten, proper food stores, restaurants, photo shop, rice stores, post offices and banks.					

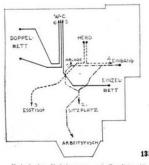
[Existenzminimum_CIAM debate]

[USSR Association of Contemporary Architects (OSA)]

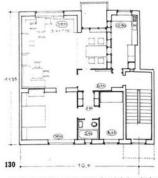
Movement-efficiency comparison By Alexander Klein (1928)



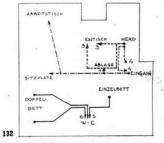
Beispiel eines ausgeführten Geschoßgrundrisses. Die Verteilung der Mobel ist die des Originals.



Verlauf der Verkehrswege und Ganglinien im angenommenen Beispiel. Alle Lebendunktionen verlaufen auf sich kreuzenden Wegen.

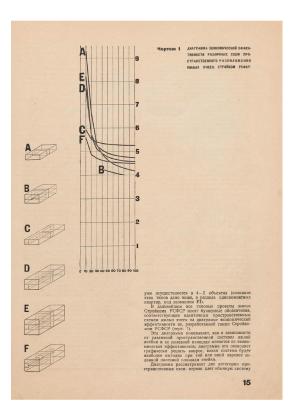


Studie des Verfassers zu einem Grundriß der gleichen Große wie Abb. 129 unter Verwendung der oben angeführten Grundsätze. Treppe umgelegt, um im Erdgeschoß den Durchgang zu vermeiden und den Wohntsp durchührten zu können.



Verlauf der Verkehrswege und Ganglinien in der Grundriß-Studie, Die Verkehrswege kreuzen sich nicht, wodurch die ordnungsmäßige Abwicklung

Diagram of economic efficiency By Moisey Ginzburg



Comradely Competition for Preliminary Design of Housing for Workers_the Standardisation Department at Stroykom RSFSR

Source: Stroykom's album Tipovyye proyekty i konstruktsii zhilishchnogo stroitel'stva, rekomenduyemyye na 1930 g, 1929.

[Minimum dwellings from II CIAM]

[Narkomfin by Ginzburg]





From left to right: View of a bachelor room (Junggesellenzimmer), architect Kienzle (Giedion, 1929); Parisian micro-flat (Ghislain, student, in his fifth floor 10m2 apartment; Macherez, 2015).

[Collectivist reconstruction_Karel Teige]

kitchen	dining	salon = club	
house- keeping	bathing	children's space	
services	physical culture	individual living cell	

centralized and collectivized

Collectivist reconstruction of dwelling

Schema of a collective dwelling:

the centralization and collectivization of the economic, cultural, and social factors of the dwelling process;

the reduction of the "apartment" to an individual living cell. One room for each adult person,

whose content (function) is a living room and a bedroom;

the reproduction of a single space undifferentiated dwelling on a higher level;

material and organizational basis for socialist forms of life.



Social-democratic election posters illustrating changing family ideals within the labor movement

Sources: COLLECTIVE HOUSING IN SCANDINAVIA — HOW FEMINISM REVISED A MODERNIST EXPERIMENT

Prastgardshagen Alvsjo, Stockholm, 1983

Sources: Vestbro, D. U. (2014). Cohousing in Sweden, history and present situation. Unveröffentliches Manuskript. Stockholm: kellektivhus.

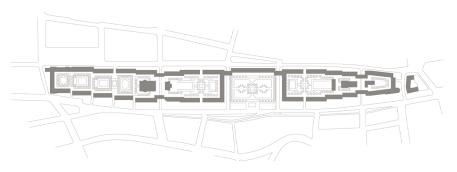


".....cooking, baking, sewing, child-rearing and other house-bound activities would be enjoyable if carried out together and would be time-saving....when carrying out everyday chores together, a simple type of attractive togetherness is created......" the group argued (Berg et al 1982)

Karl-Max-Hof Wien, 1930

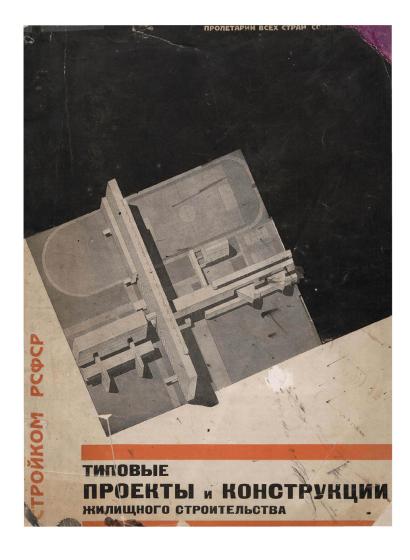
Sources: The Red Vienna in the Laundromat Association Red Vienna Collection





Types of Projects and Standards for Housing Construction, Recommended for the year 1930, USSR

Sources: From Sovremennaya Arkhitektura 4–5, 1927.

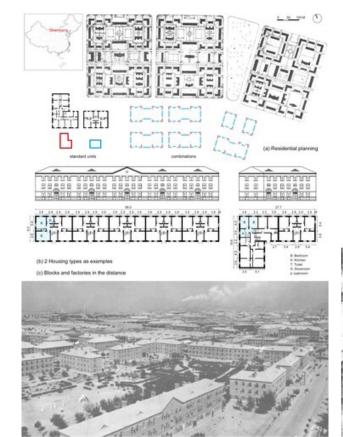


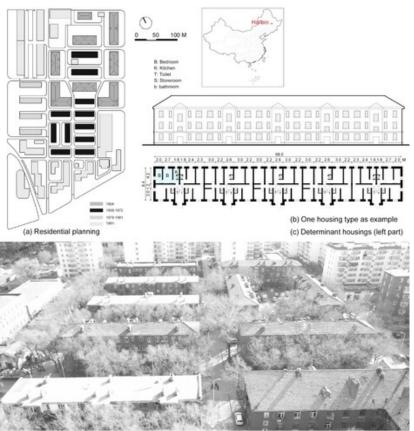
[An ideal life for the working class in new China]

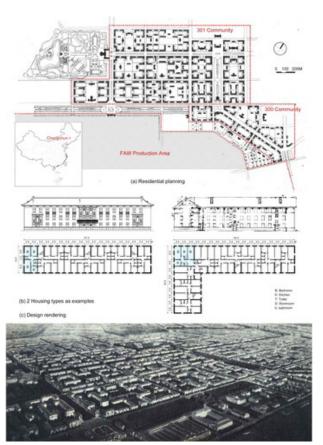


工人阶级必须领导一切
The working class must exercise leadership in everything (1970)

Sources: https://chineseposters.net/posters/e13-859







Shenyang Workers' New Village, 1952

Tianjin Workers' New Village, 1954

Shanghai Workers' New Village, 1951

A UNIVERSAL DILEMMA

Q: What happens when form loses its original intentions?

A UNIVERSAL DILEMMA

Karl Marx Hof Wien, 1930

Sources: The Red Vienna in the Laundromat Association Red Vienna Collection







Now_ exhibition halls

A UNIVERSAL DILEMMA

Narkomfin Moscow, 1930

Sources:

1. Simon Elmer, Narkomfin: Regenerations, Appropriations, Betrayals
2. INT2 architecture





Previous_ social housing

Now_ premium apartments

Workers' New Village Shenyang, 1951

Sources: https://www.sohu.com/a/213064962_696058





Previous_ social housing

Now_ premium apartments

" I pay 330 yuan (42.25 euros) monthly for the rent, it's a quarter of my salary, but I think the room can be better."



Interviews in Workers' New Village Shenyang, 2023

Part 2. Historical context







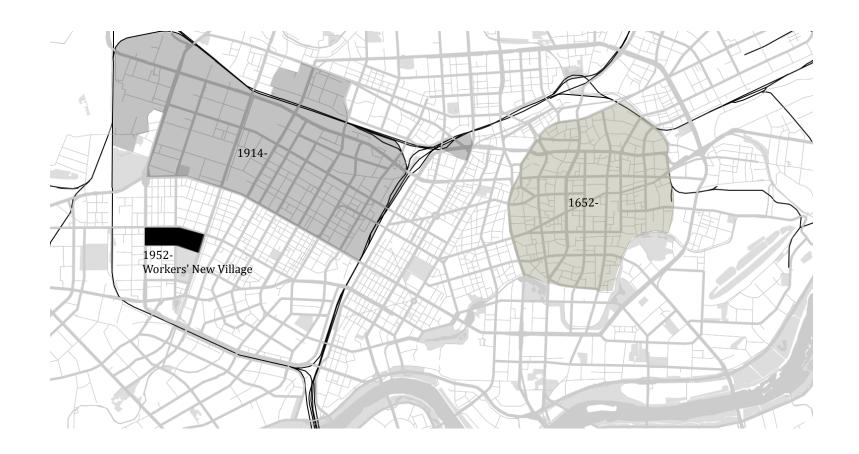
Manchu Period

1652

Manchu Capital







Manchu Period	Russian Colonization	Japanese Colonization	Founding of PRC	The Workers' Village
•	•	•	•	•
1652 Manchu Capital	1896 South Manchuria Railway Company	1914 Tiexi District Industrialisation + Urbanization	1949 The People's Republic of China is officially proclaimed	1952
			Planned Economy	



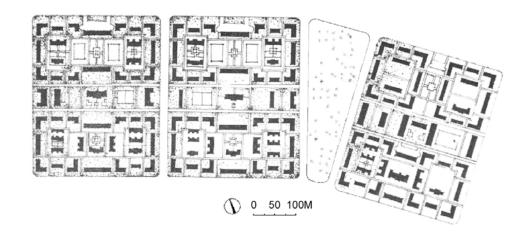
"The development of production brings new happiness

The government builds the village for workers staff

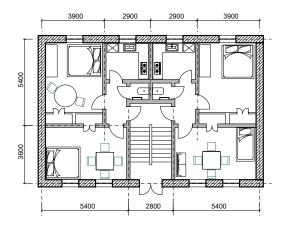
Huge and well-equipped new type of residential complex with seven thousand dormitories will be completed this year"

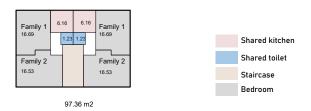
Shenyang Daily Newspaper, First edition, 7th Sep, 1952

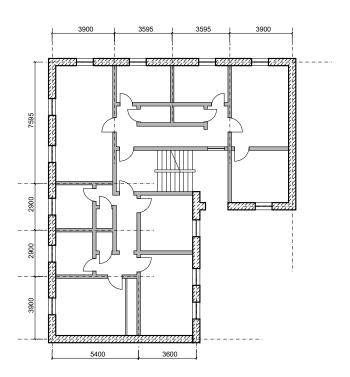
Sources: https://news.sohu.com/a/680267333_121124709

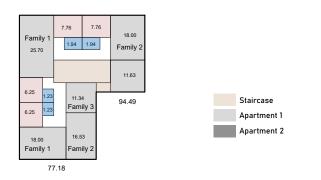


[Minimized living unit]









[Shared Service]







State-owned factories in Tiexi district, 1980s

Sources: https://www.sgss8.net/

[An ideal life for the working class in new China]



Dwellers sitting in the courtyard at the Workers' Village, 1950s

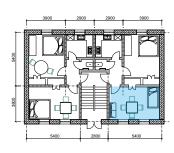
Sources: https://www.sgss8.net/

[Minimized living unit]



Dwellers sitting in the courtyard at the Workers' Village, 1980s

Sources: https://www.sgss8.net/



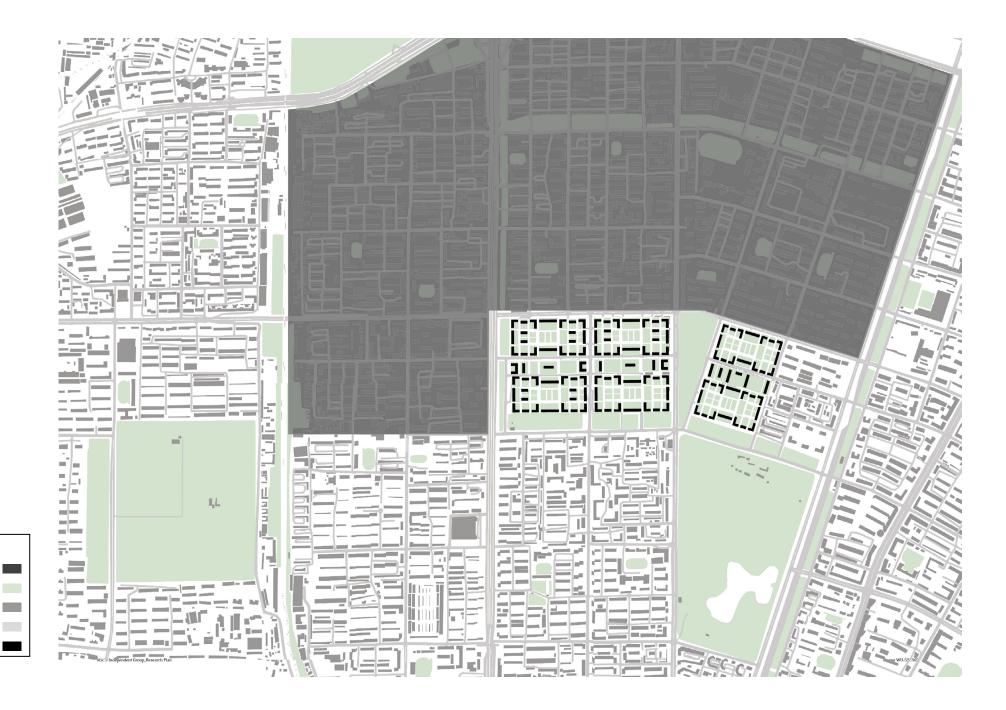


"Including housing in normal consumption"

"For decades, our country has been saddled with a big burden by treating the distribution of housing without compensation as a superiority of the socialist system...."

Shenyang Daily Newspaper, 1992

Sources: https://m.jiemian.com/article/6784570.html



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Xinyue WU-5323657

2000s
Industrial area
Open greenlands
Residence
Roads
Workers' Village



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2023

Residence
Open greenlands
Schools
Hospitals
Workers' Village

Workers' New Village Shenyang, 2000

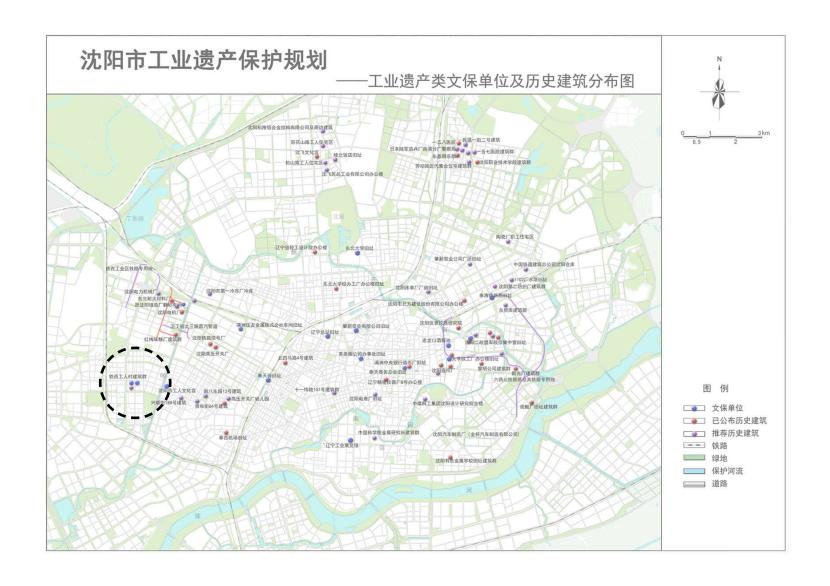
Sources: https://www.sohu.com/a/213064962_696058





Partly deconstruction of the Workers' Village, 1980s

Sources: https://www.sgss8.net/



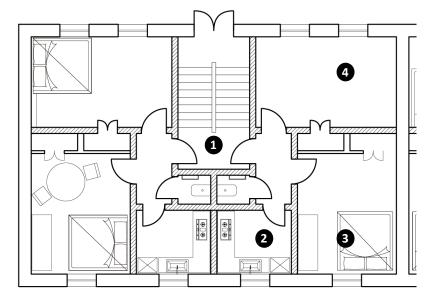








[Impact living unit]





330 yuan (42.25 euros) a month

In 2022, the average monthly salary of employees in Shenyang's urban non-private units is 8,752.5 yuan (1121 euros)_Shenyang Statistic Bureau





[Impact living unit]





[External extension]





[Flexiable usage]





[Flexiable usage]

No.36_Nursery home



No.35_Daycare



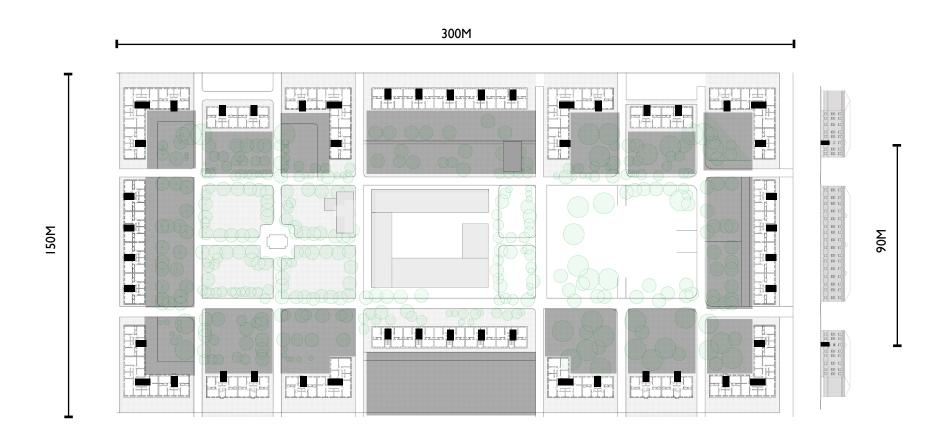
No.2_Museum











[Monumental courtyard]





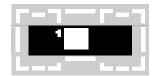








[Monumental courtyard]



trees



installations







grid roads













[Public infrastructure]







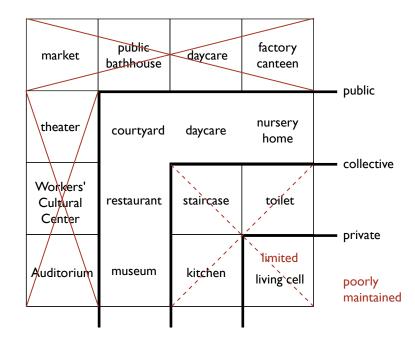






kitchen	dining	salon = club
house- keeping	bathing	children's space
services	physical culture	individua living cell

[Collectivist reconstruction_Karel Teige]



Part 3. From research to design

RESEARCH QUESTION

DESIGN

How the obsolete architectural form can be improved to revive collective housing?

?

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Projects Info Contact

<u>En</u> / 中文

Vanke Shenyang Workers' Village



S

Vanke Mixed Use & Transport,

Retail & Leisure, Urban

Renewal

Communal Heritage

Location

Shenyang, Liaoning, China

Scope

Architecture

16,000 sqm

In Progress

"The existing building fabric is characterised by 3-storey blocks surrounding large central courtyards, two of which now become the focus of contemporisation into **a** tourist, educational, and rich commercial destination."



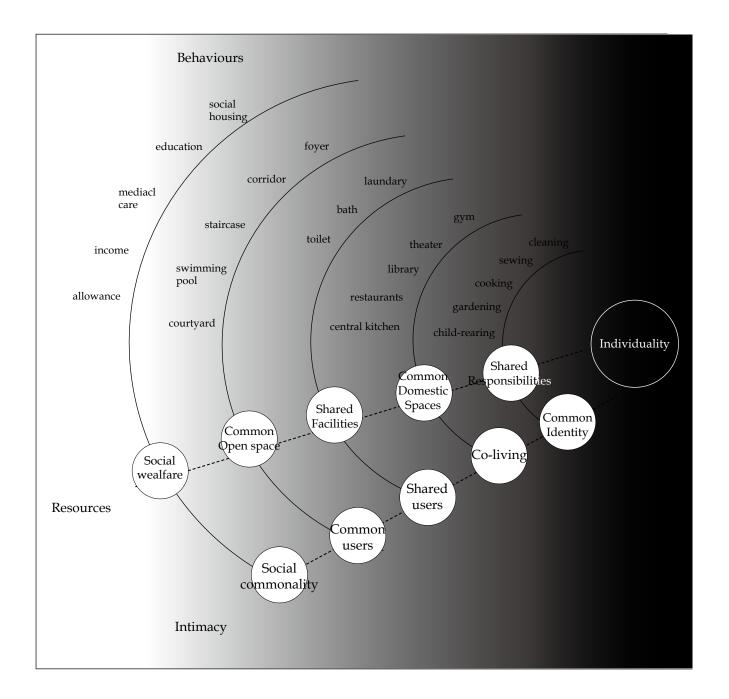
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extra income

			carpentry	laundry		
	workshop	working	gardening	cleaning		
	mediacl care	meeting	central kitchen	sewing		
	lecture	sports	child-rearing	cooking	living	
	theater	reading	canteen	bathing	sleeping	
Public						Private
	Public	Collecti	ve	Shared	Individual	
	community center courtyard	commo usage fo leisure : domest labor	or and	staircase corridor foyer kitchen bathroom	bedroom closet (livingroom)	
		labor		toilet		

NOTES: we call activities 100% private when they involve only one person; and activities in which uncountable numbers of individuals take part in, we call 100% public. Analogous to the Nolli Map, we use black for private spaces. The lighter the color gets the more public space is. And last but not least, thresholds are the architectural elements (e.g. walls, doors, partitions) that help to frame the gradient.

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Collective intimacy is not a single notion, it is a series of togetherness with different degrees of cohesion and coordination between group members, formed primarily through varying degrees of resource gathering.

The degree of pooling of resources is progressive, ranging from relatively loose, such as social benefits, to strong ties, such as shared family space and shared responsibilities. Correspondingly, the range of intimate relationships is progressive. Occupants of collective housing have loose ties as co-users of communal open spaces, while these are much stronger when they share household responsibilities for the group as a whole. These ties are not linearly progressive; they sometimes overlap with each other.

For example, in the case of the Workers' Village, social welfare, courtyards, toilets, bathrooms are all shared due to the common identity of the dwellers. In the case of Prästgårdshagen, responsibilities for common domestic spaces are taken by all tenants, which is also a way to keep the group united as those not participating in the group work are likely to be rejected by the residents' association.

Collective housing ultimately presents a complex sense of detachment and connectedness, and a series of relationships that are both close and distant.

[Same scale model study]











Private

ıh		
	ш	

workshopworkingmediacl caremeetinglecturesportstheaterreading

carpentry
gardening
central kitchen
child-rearing
canteen

cooking working laundry bathing cleaning sewing

living sleeping



%2.

5.4%

%9.99

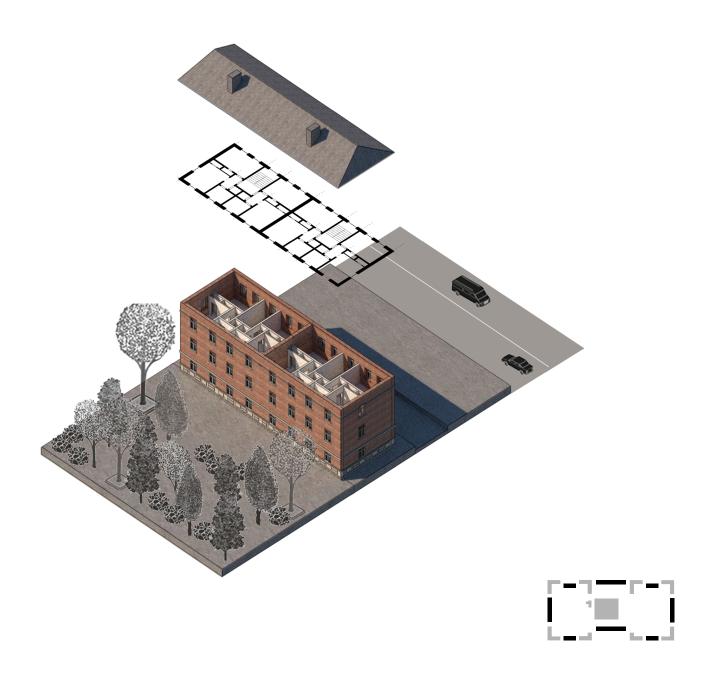
PRIVATE		M ²	→ II,675	
Cluster living *8		3,543		
Classic apartment	*34	8,132		
COLLECTIVE		M^2	→ 5,964	
Shed				
kitchen + dining room	*2	220		
quiet room (library)	*1	228 114		
game & movie room	*	114		
Sauna & spa	*	114		
free room	*3	345		
Residence				
Common space	*34	3,554		
Extention	*16	1,495		
PUBLIC		M^2	→ 3,379	
Renovation				
Nursery home		675		
Exhibition		1,350		
New				
Sanitation garage		274		
Daycare		274		
Workshop A		274		
Workshop B (double hei	ght)	274		
Existing				
Mechanical room		234		
Shed		24		
GREEN		M^2		
Ribbon		2,265		
Open space		42,442		
TOTAL OPEN AREA		44,707		
TOTAL BUILT AREA		18,168	+ private + collective + public	1,99 91 1,14
			+ public	1,14

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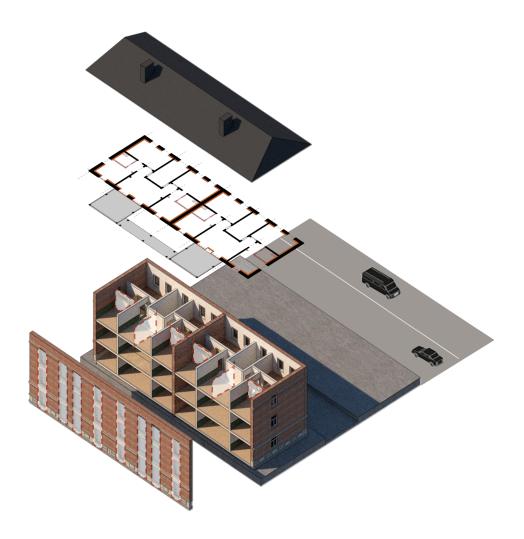
Part 4. Revival

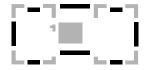
Collective intimacy

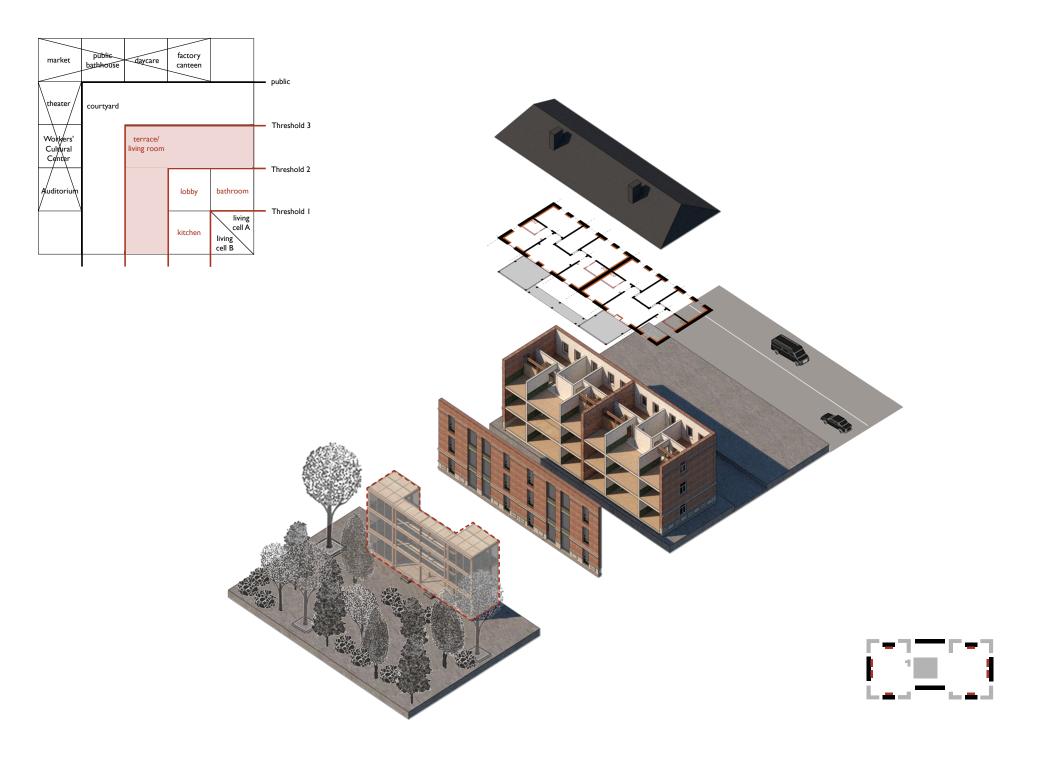
market	public bathhouse	daycare	factory canteen	public
theater	courtyard			collective
Workers' Cultural Center		staircase	toilet	private
Auditorium		kitchen	limited living cell	private

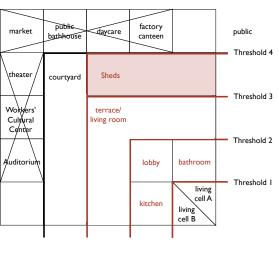


market	public bathhouse	daycare	factory canteen	public
theater	courtyard			Threshold 2
Workers' Cultural Center		lobby	bathroom	facade Threshold I
Auditorium		kitchen	living cell A living cell B	interior walls

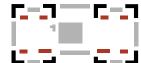




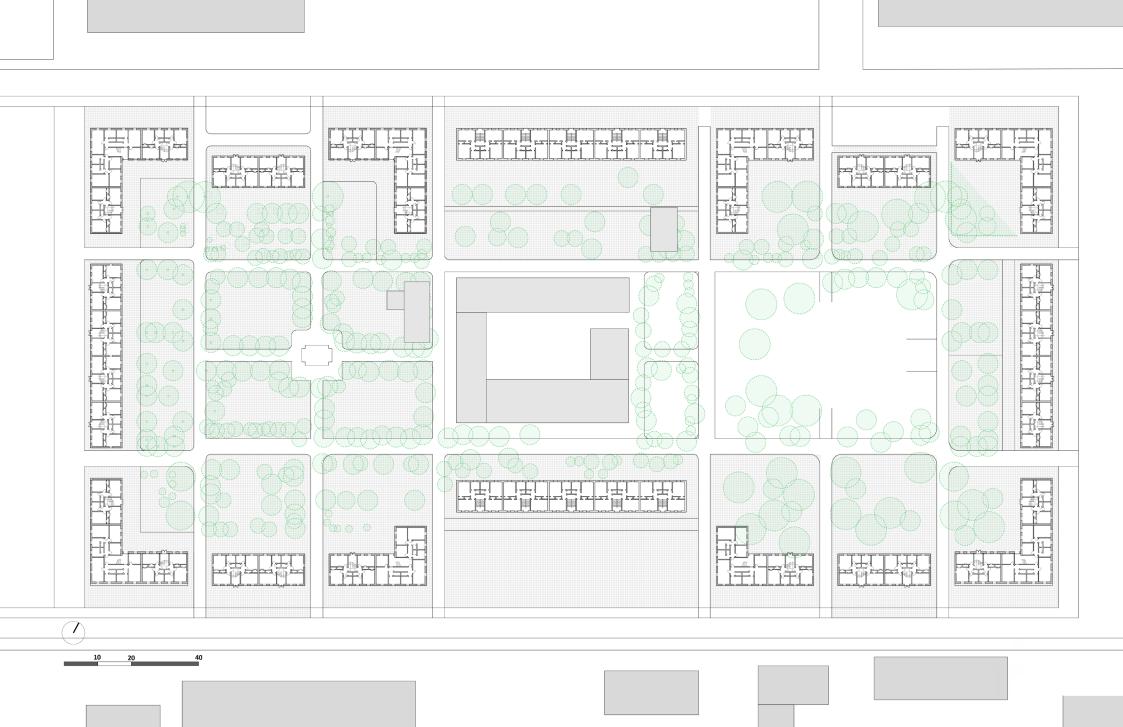










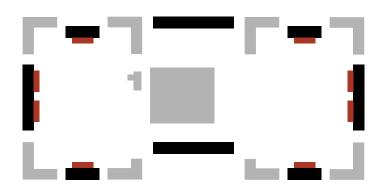






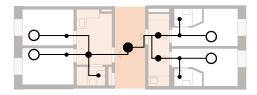
Section A

[Dwelling Threshold]

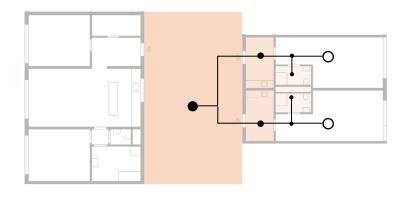


[Principles_Balance between privacy and collectivism]

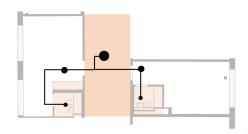
The Collective Old Oak, London, 2016



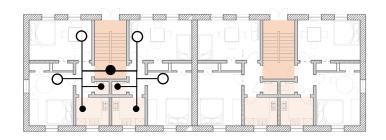
Poolhaus, Vienna, 2007



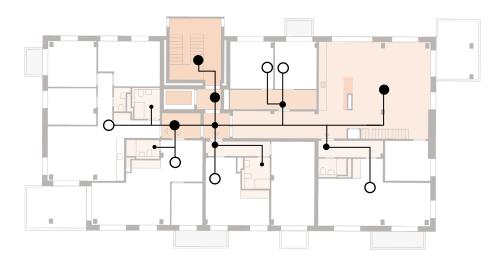
Kalkbreite, Zurich, 2014

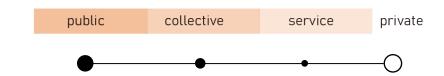


Workers' Village, 1952

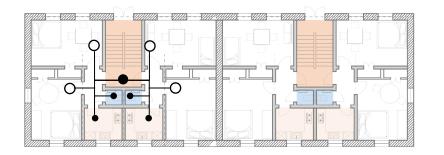


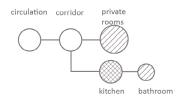
Spreefeld, Berlin, 2014



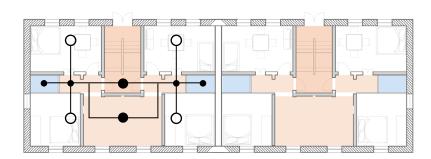


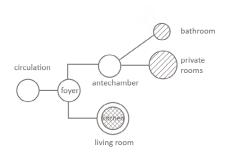
[Principles_Balance between privacy and collectivism]

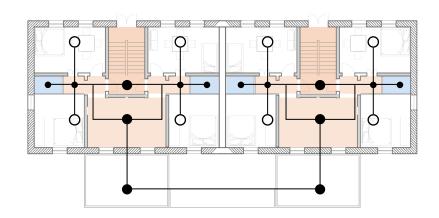


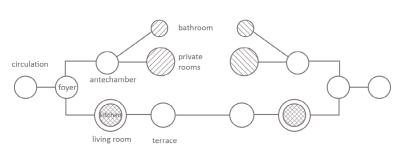




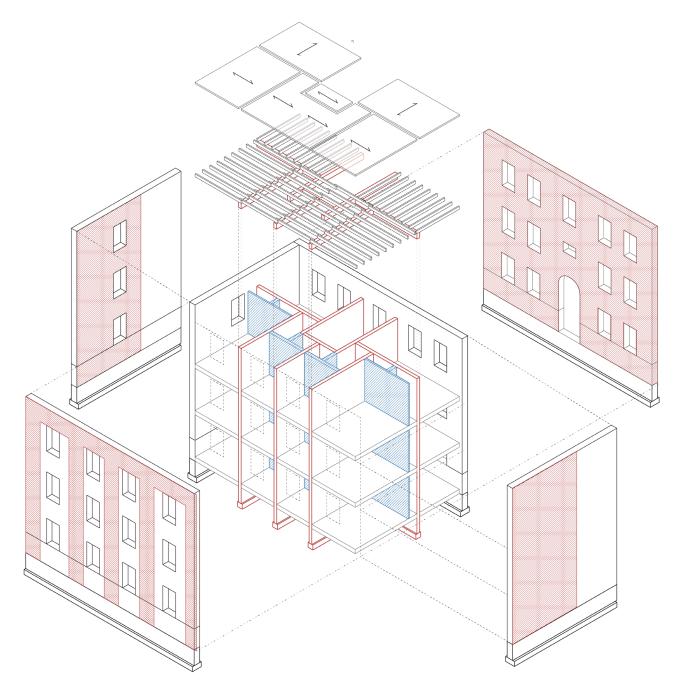


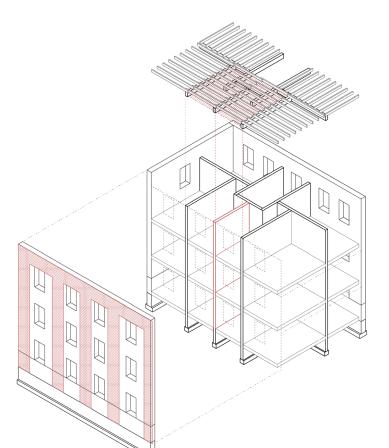






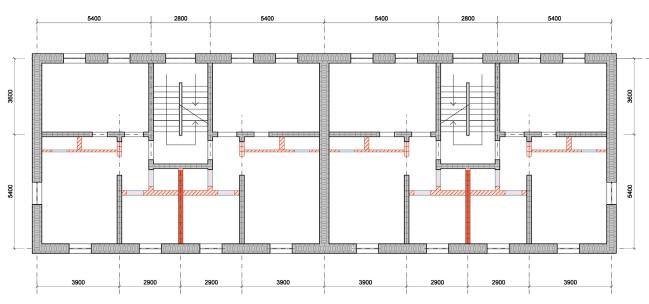
[Principles_Minimum intervention]





[Operations]

Step I. Walls removal

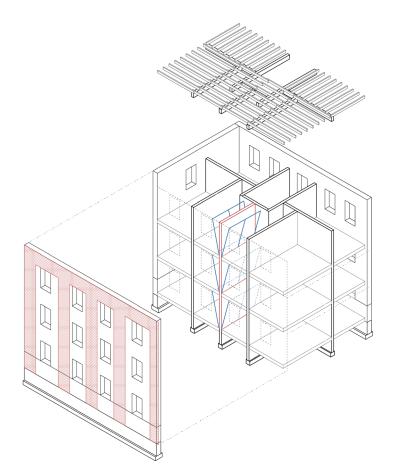


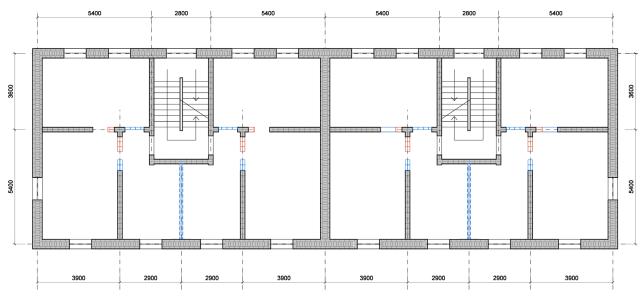
DEMOLISHED PARTITIONS

DEMOLISHED MASONRY WALLS
WITH SPECIAL TREATMENT







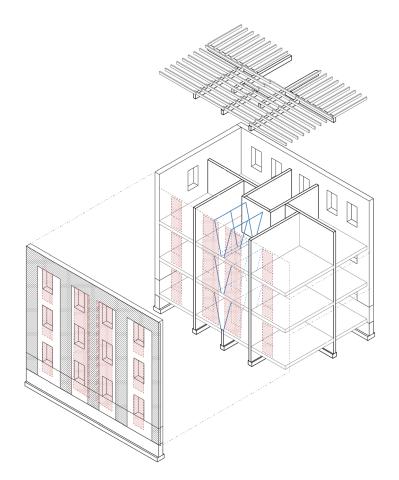


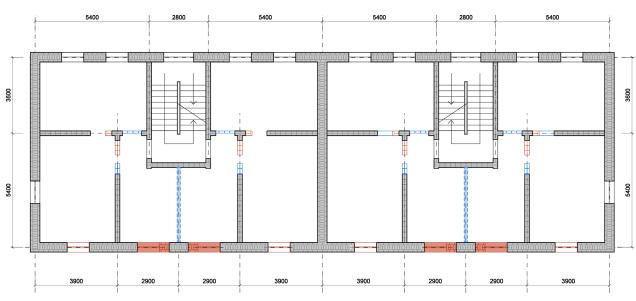
ADDITION

NEW BEAM

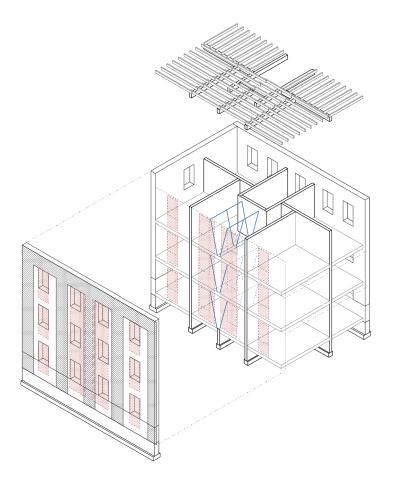


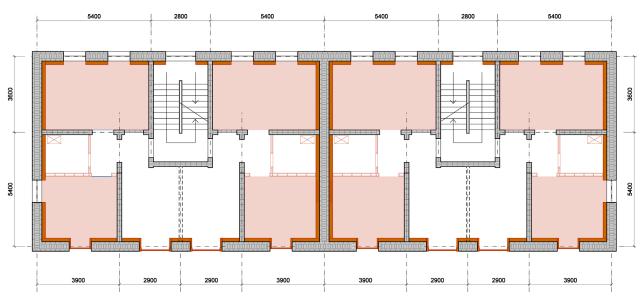
Step 3. Temporary support and new beam



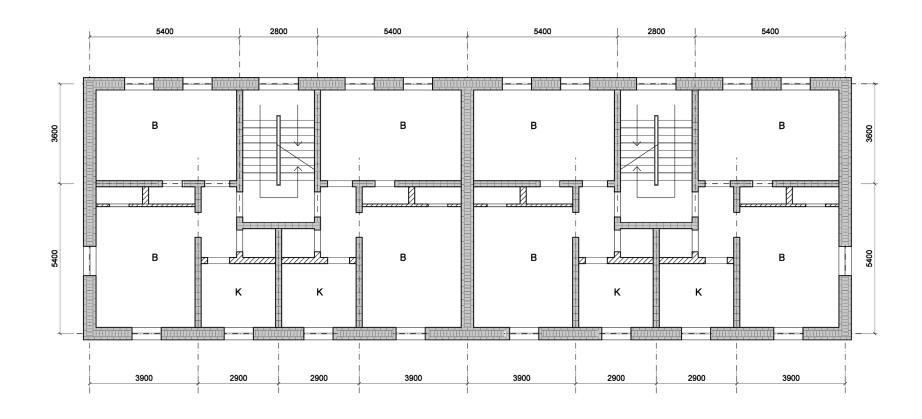


DEMOLISHED PARTITIONS
DEMOLISHED MASONRY WALLS
WITH SPECIAL TREATMENT

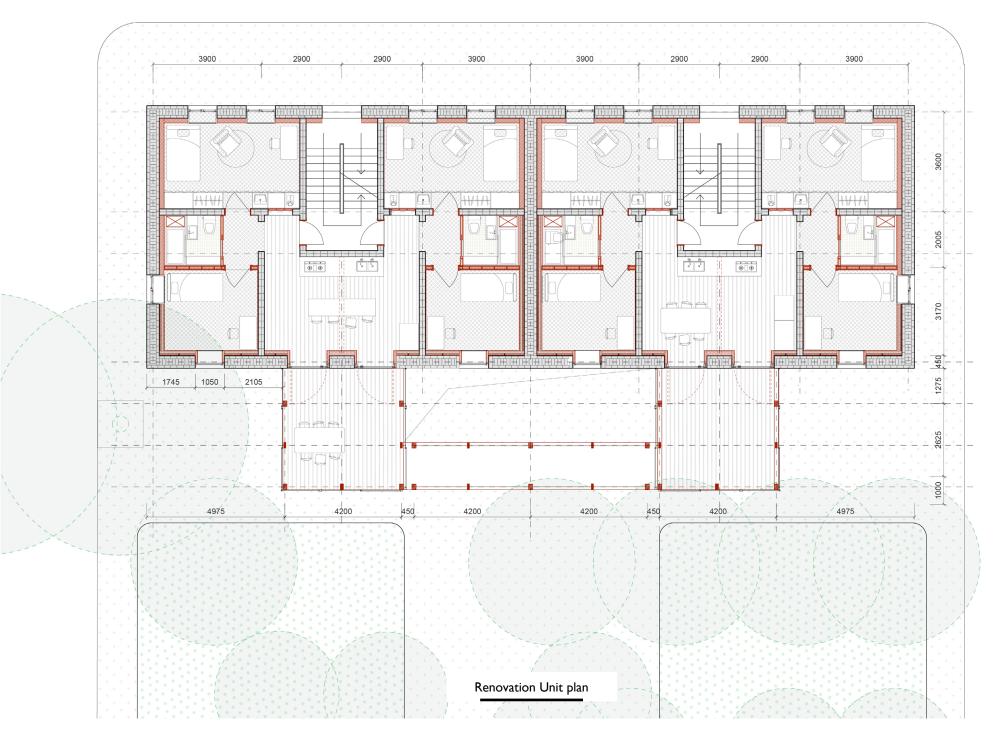




FLOOR HEATING
INSULATION

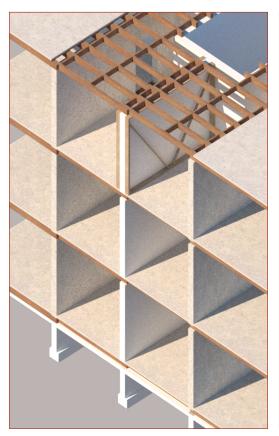


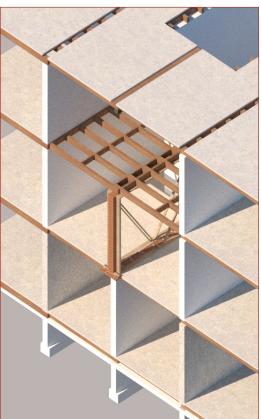
NON-LOAD BEARING PARTITIONS
LOAD BEARING MASONRY WALLS



[Renovation_Old building]

- I.Structure update
 2. Facade update
 3. Interior update



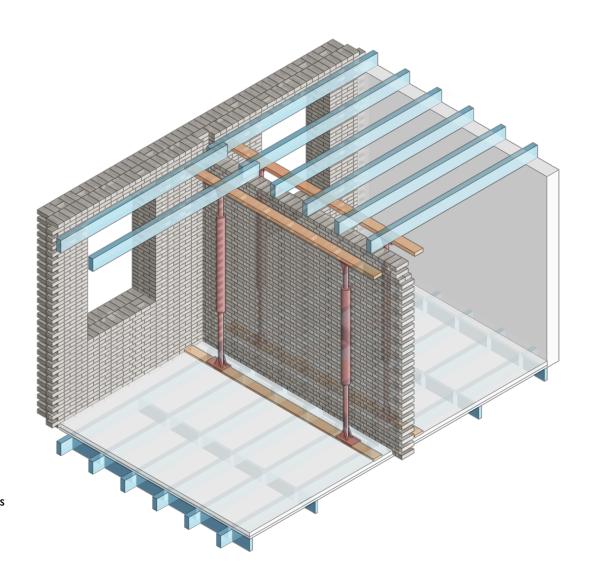


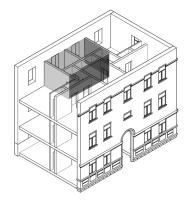


[Renovation_Old building]

I. Structure update 2. Facade update

- 3. Interior update

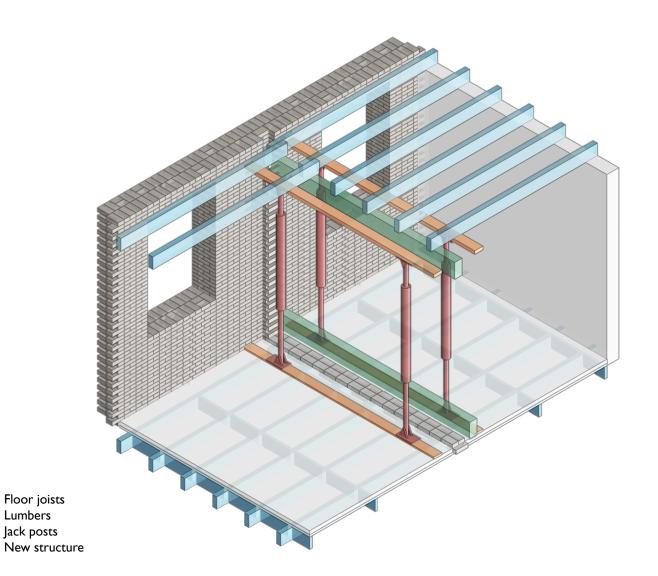


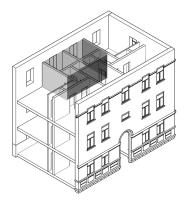




I. Structure update 2. Facade update

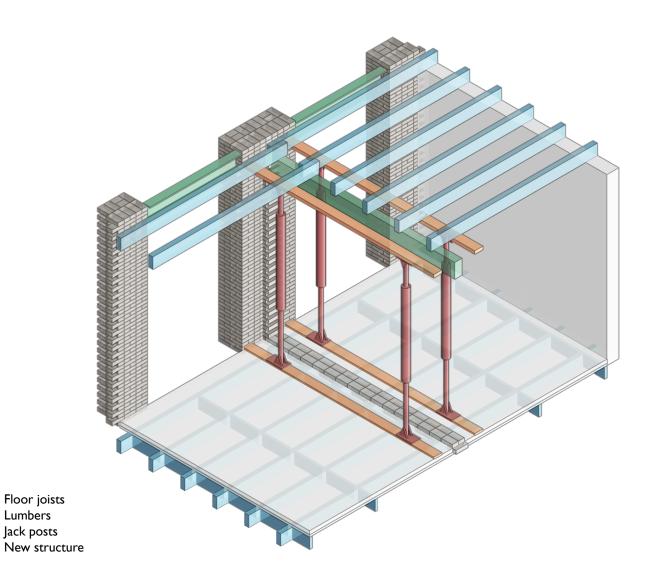
- 3. Interior update



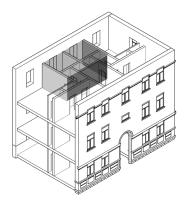


I. Structure update 2. Facade update

- 3. Interior update

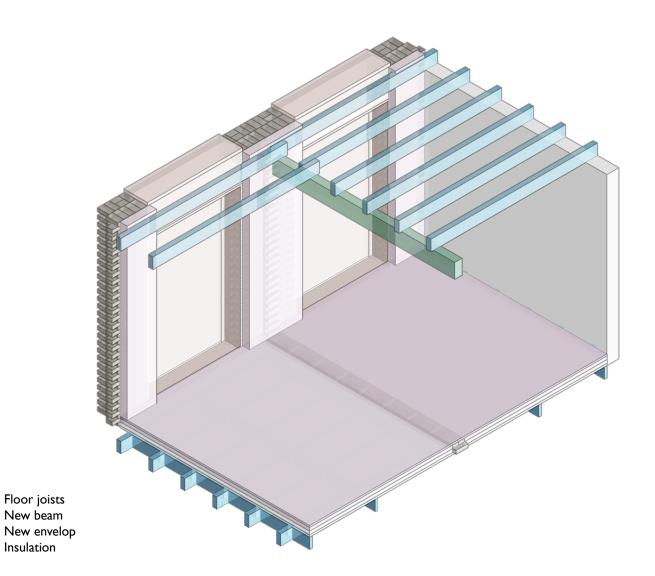


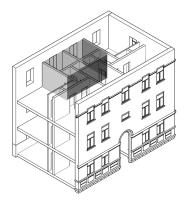
Jack posts



1. Structure update

- 2. Facade update
- 3. Interior update

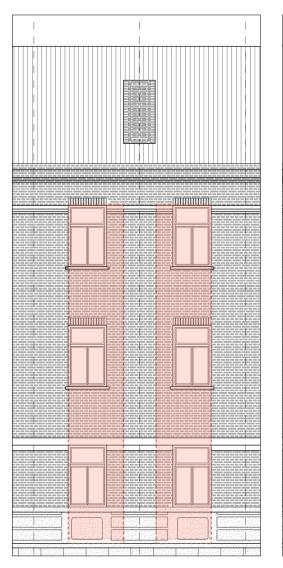


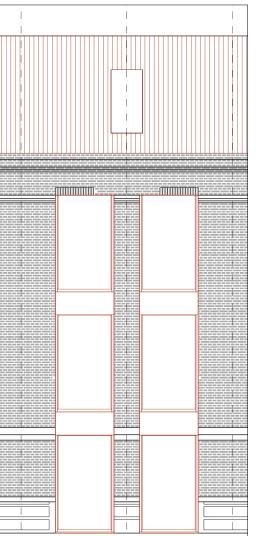


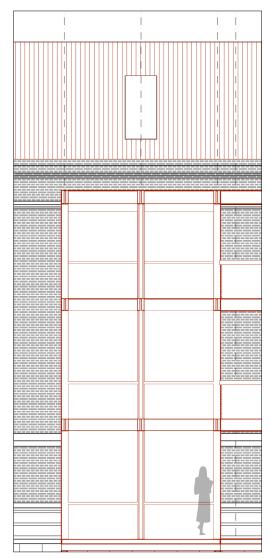
MSc 3 Independent Group_Research Plan

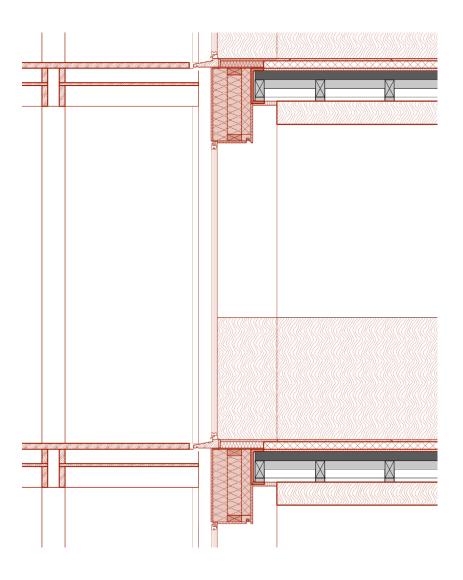
Insulation

- I. Structure update
- 2. Facade update
- 3. Interior update













[Changing fenestration]









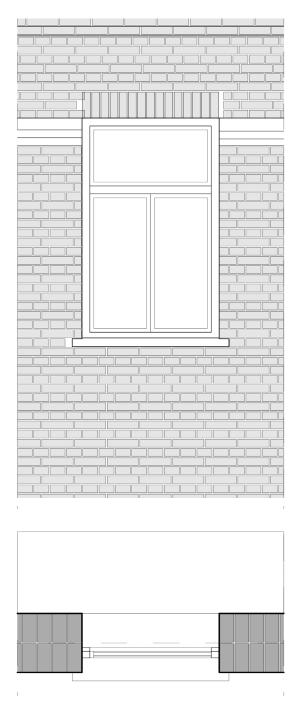


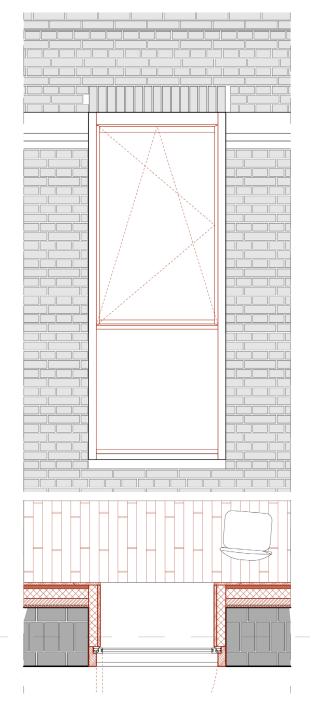
- I. Structure update
- 2. Facade update
- 3. Interior update



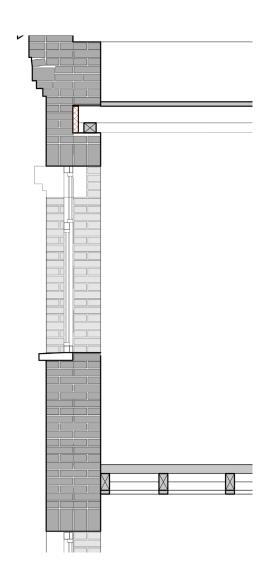
- I. Structure update
- 2. Facade update
- 3. Interior update

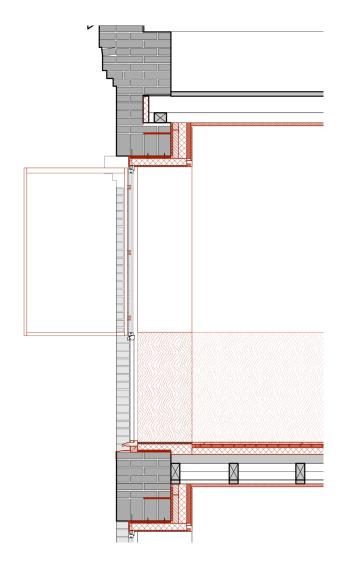






- Structure update
 Facade update
 Interior update

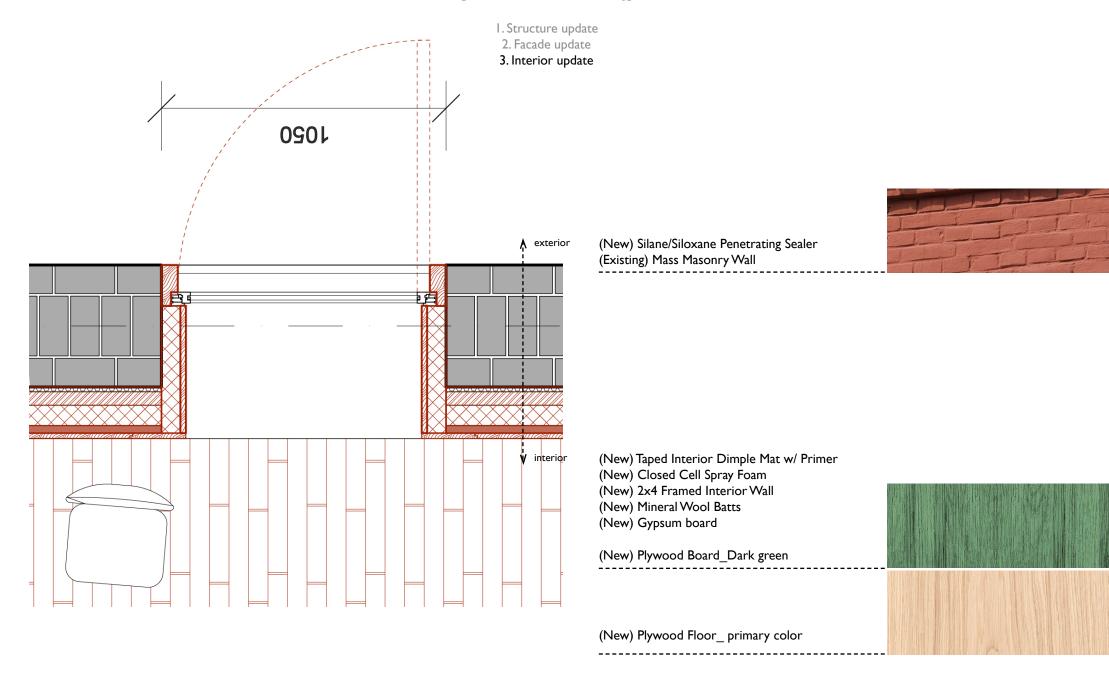




- Structure update
 Facade update
 Interior update

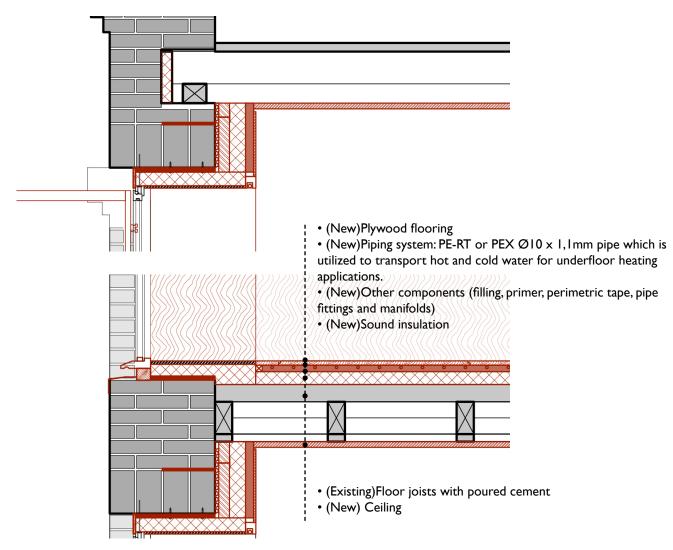






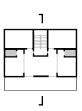
MSc 3 Independent Group, Research Plan

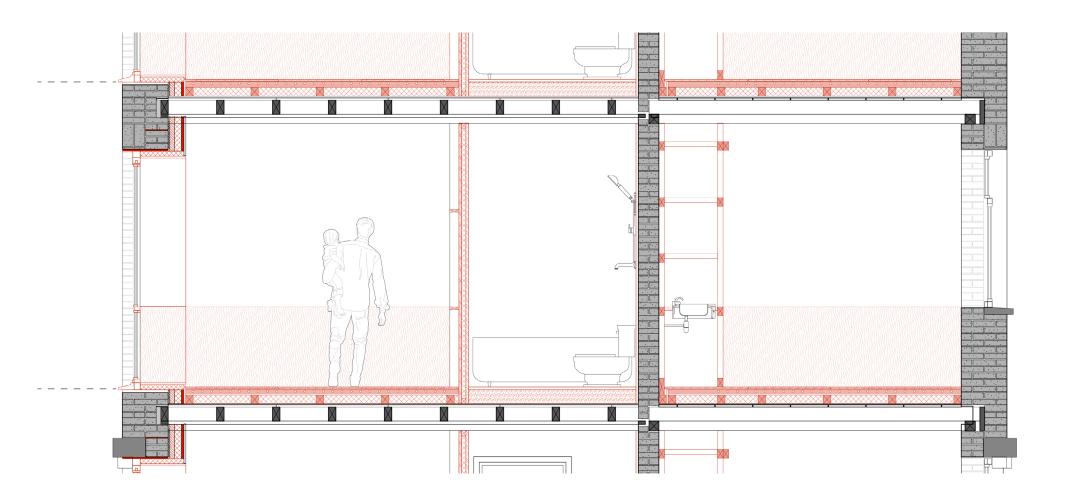
- I. Structure update
- 2. Facade update
- 3. Interior update



[Renovation_New structure]

- I. Structure update2. Facade update
- 3. Interior update





Workers' Village, Shenyang Type A, Baogong Street 1/44/45





Workers' Village, Shenyang Type A, Baogong Street 1/44/45













Second room

- ·Anhydride base sealed (insulation)
- Walls painted white and protected by dark green skirting made of wood-based panel (OSB-Oriented Strand Board)
- · Ceilings painted reflecting light or left natural
- ·Wood-metal windows, partly re-used
- ·Wardrobe made of wood material
- · Oak floor
- · Underfloor heating
- · Simple ventilation system

Bath

- ·White flooring tiles
- ·Walls tiled white
- ·Apparatus ceramic white,
- · Sink partially re-use
- · Mirror cabinet
- · House technic
- · Underfloor heating
- · Simple ventilation system

Visualization Koko WU Architects

Workers' Village, Shenyang Type A, Baogong Street 1/44/45





Workers' Village, Shenyang Type A, Baogong Street 1/44/45





Small Kitchen

Chrome steel work surface
Chipboard cabinets with white synthetic resin surface
White synthetic resin surface
Appliances Electrolux (glass ceramic hob, 2 ovens, dishwasher)
Double glazing
Inside curtain rail

Balcony

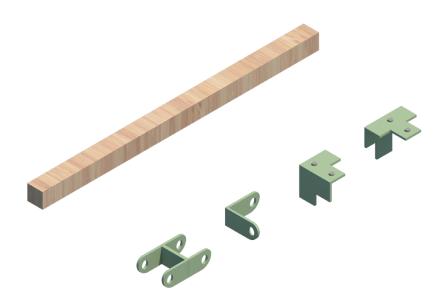
Wooden floor
Metal railing, partly re-used
Sun protection vertical blinds fabric light

Visualization Koko WU Architects

MSc 3 Independent Group, Research Plan

Workers' Village, Shenyang Type A, Baogong Street 1/44/45



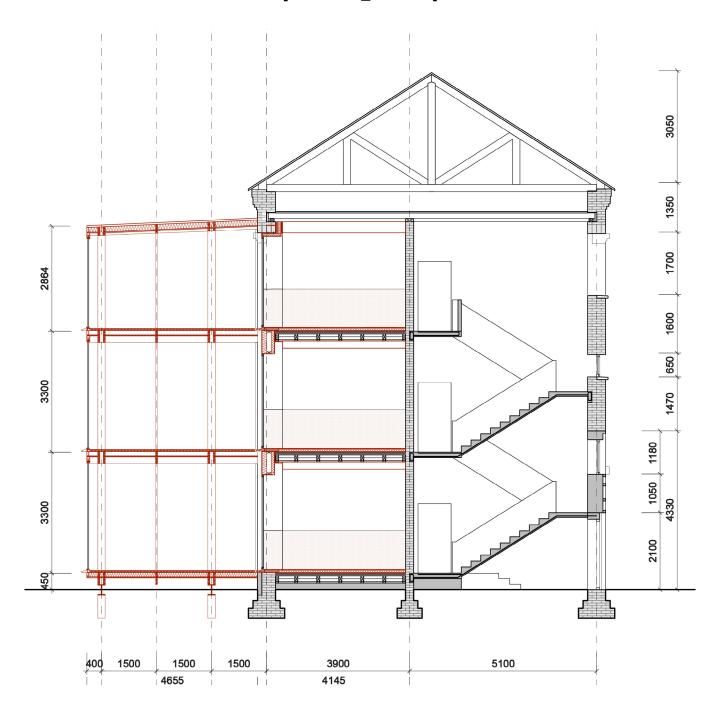


the system consists of wooden beams held together by different metal joints

[Renovation_Extention]



$[Renovation_Extention] \\$



$[Renovation_Extention] \\$

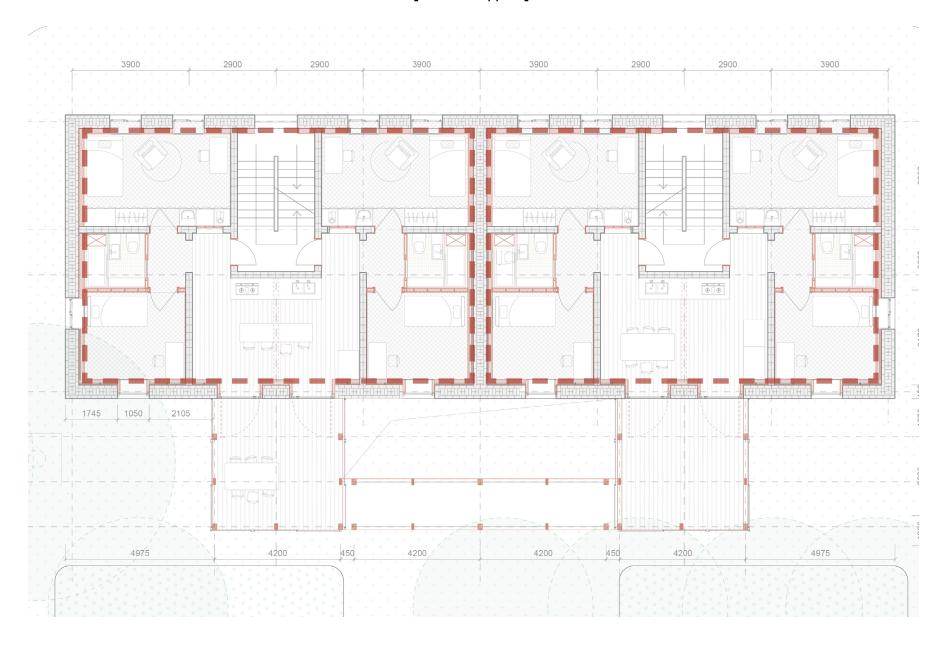




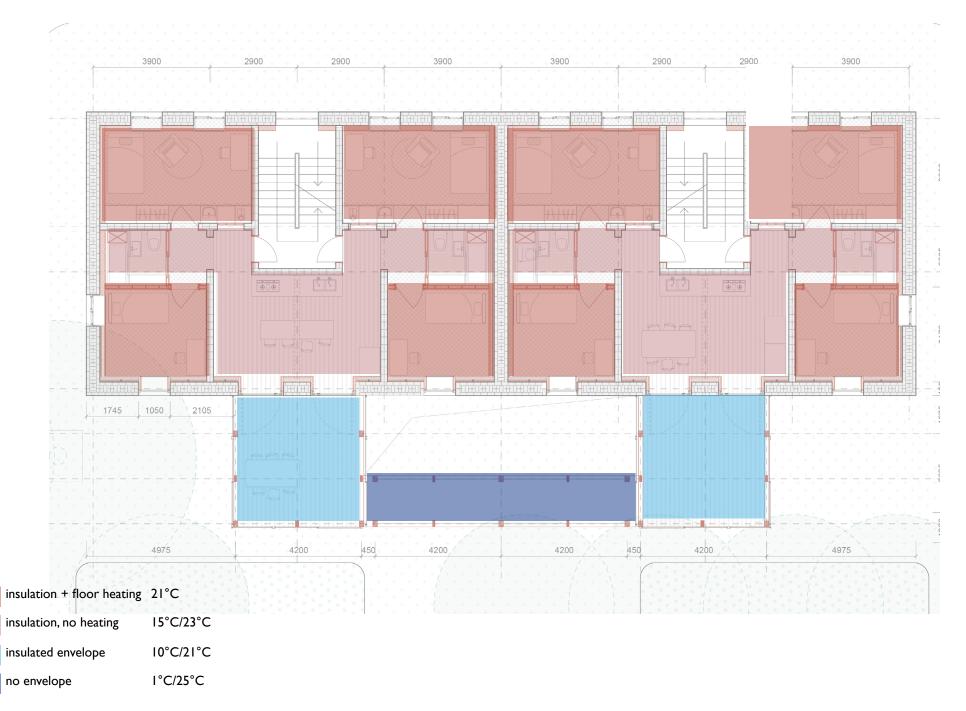
$[Renovation_Extention] \\$



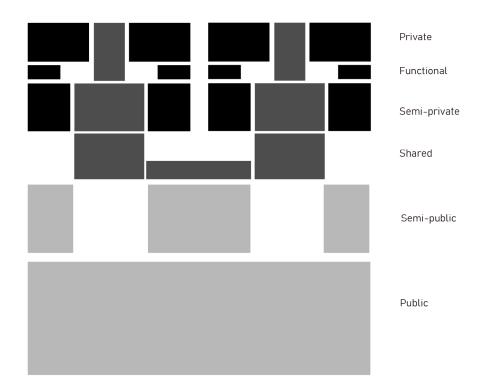
[Climate support]



[Climate support]

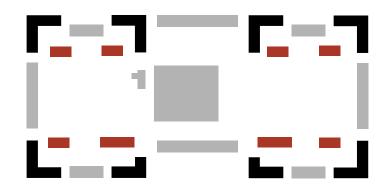


[Climate support]

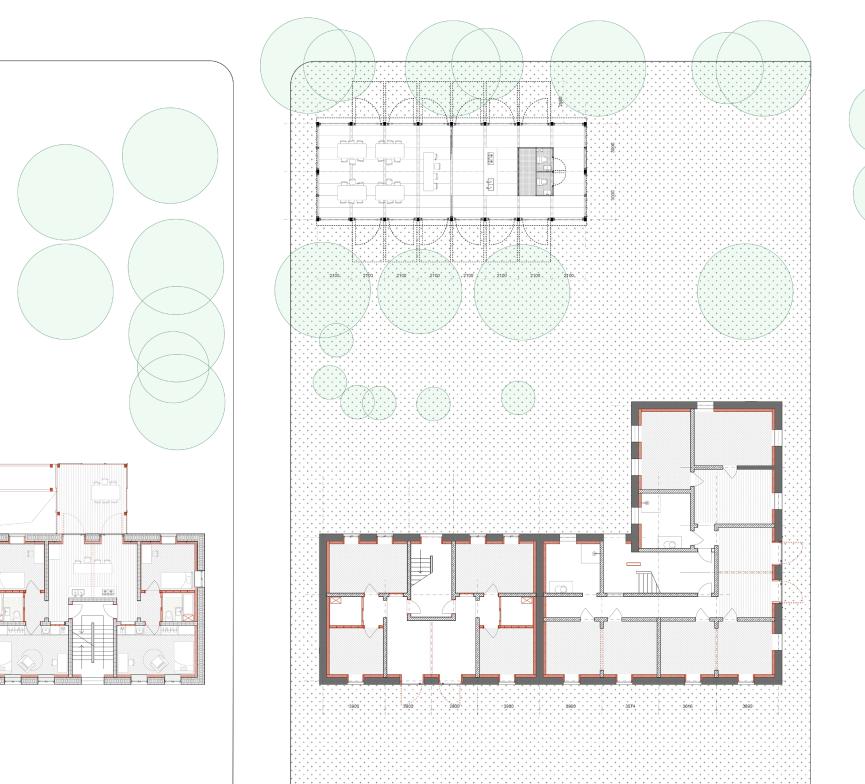


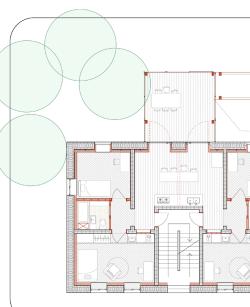


Section B
[Collective Threshold]



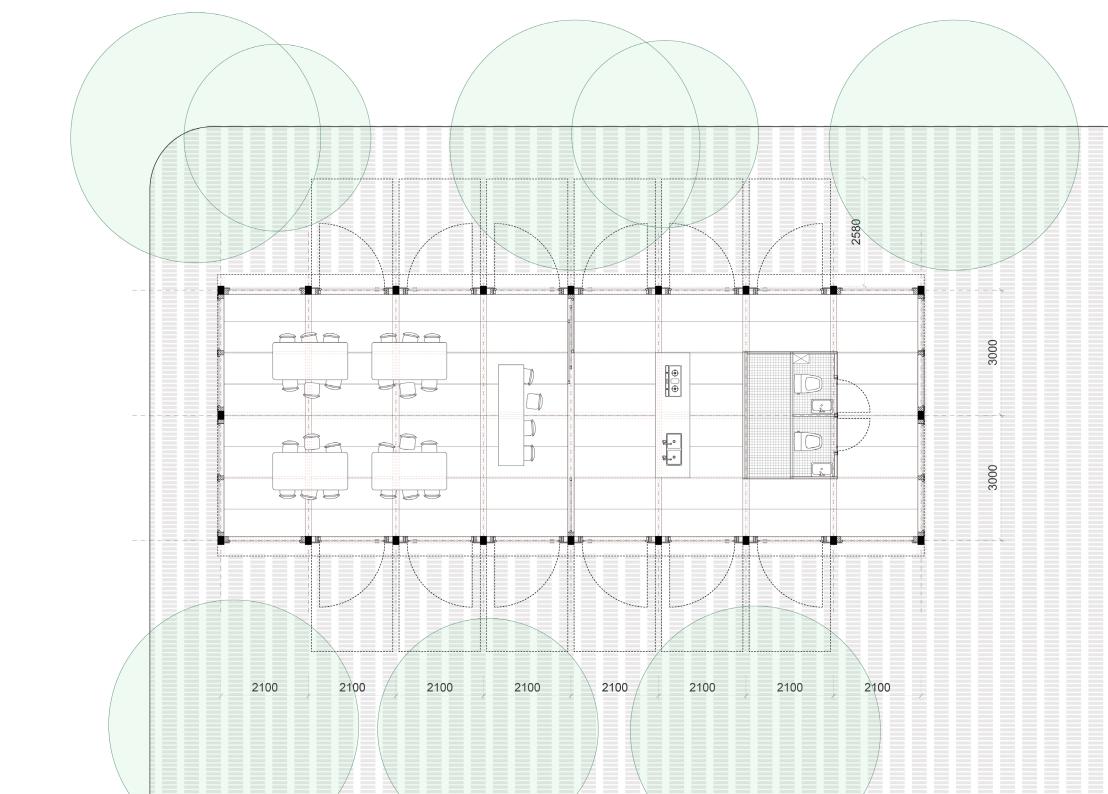
MSc 3 Independent Group, Research Plan

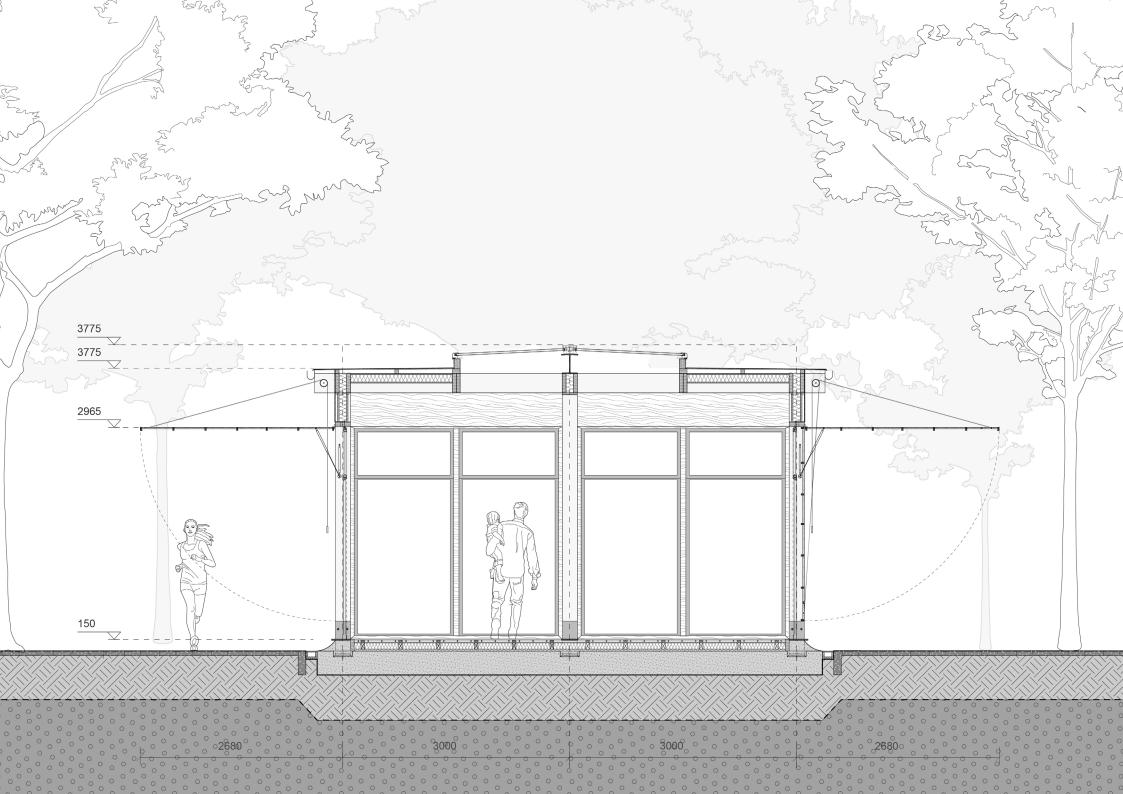


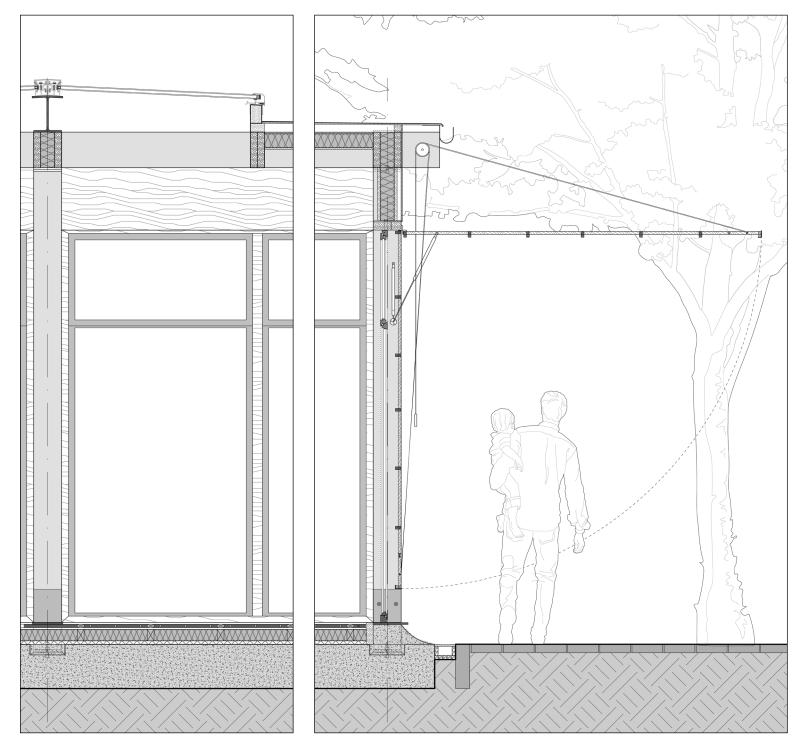




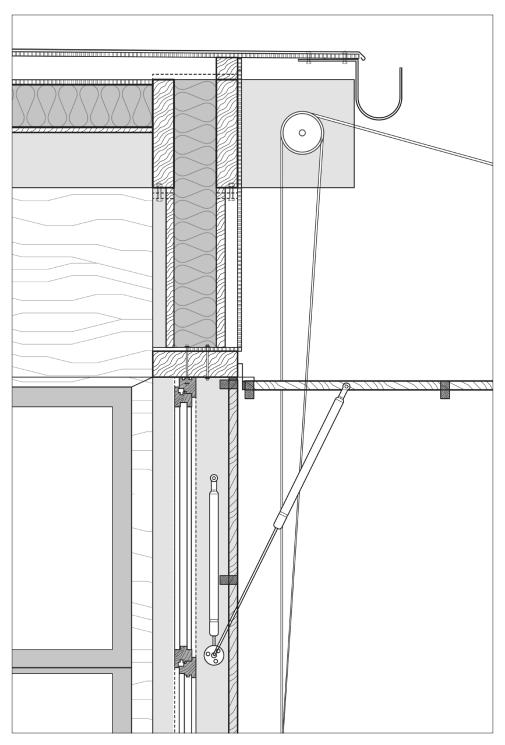


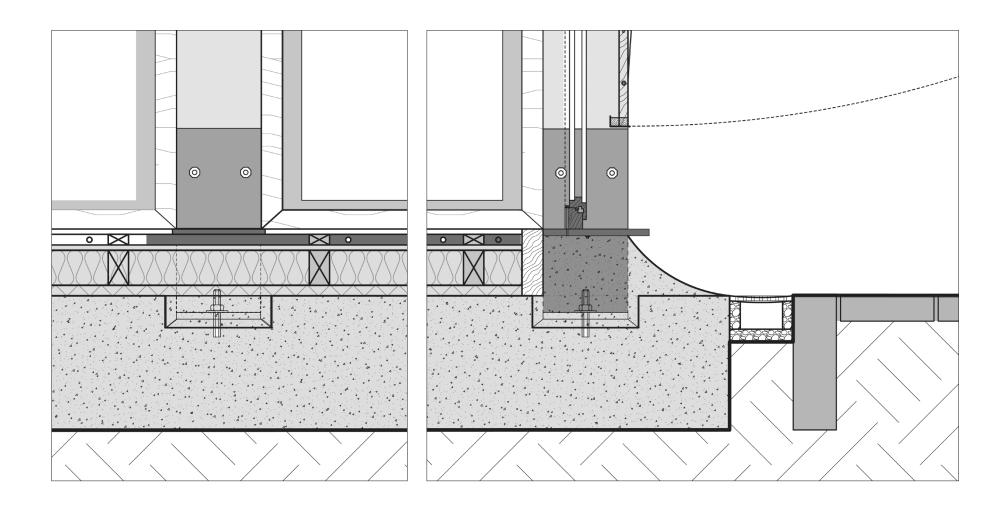


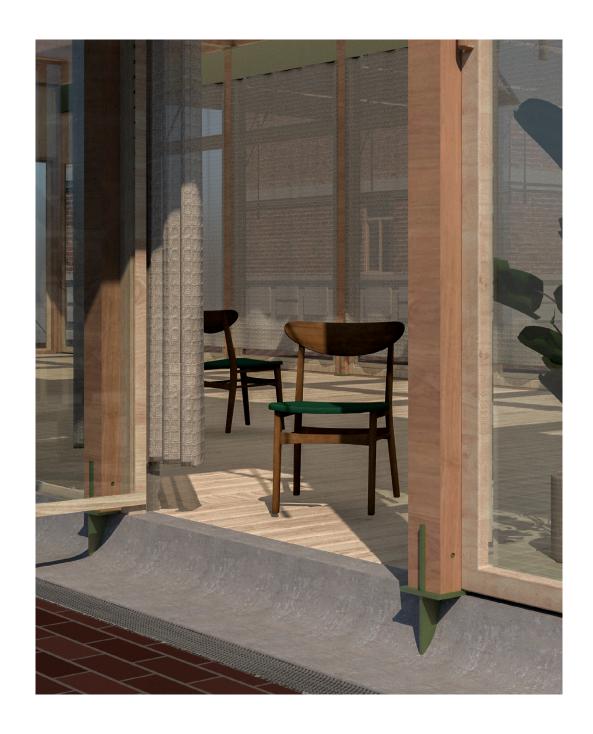


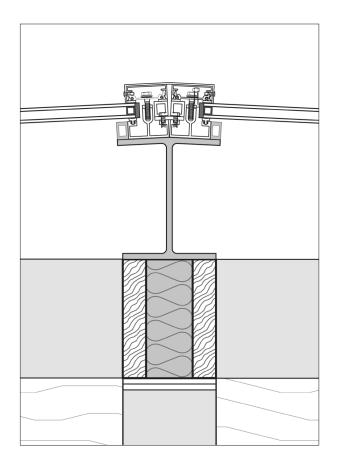


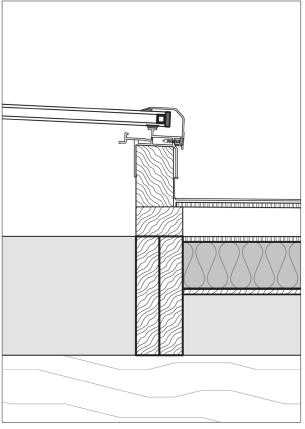


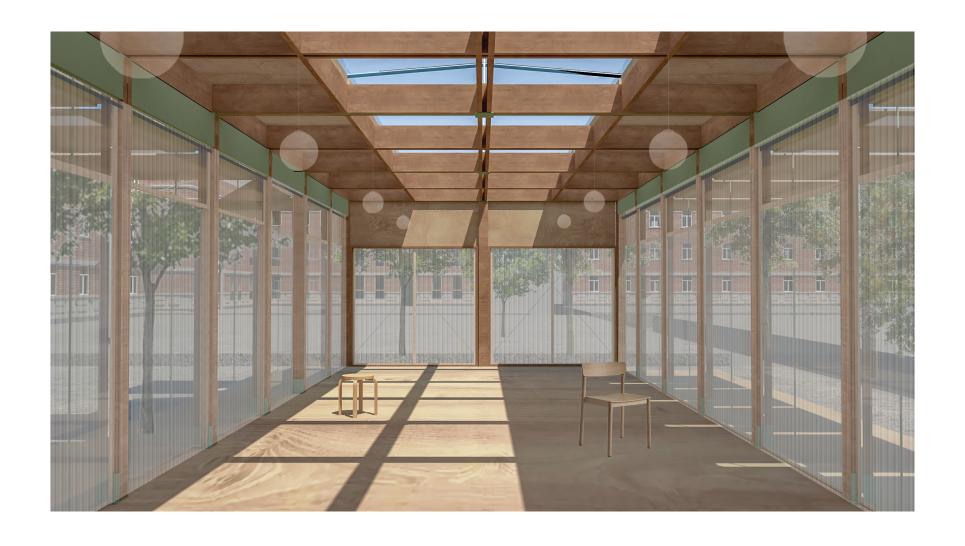






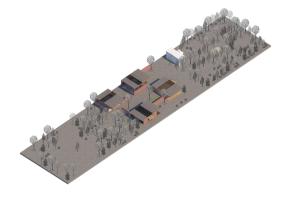




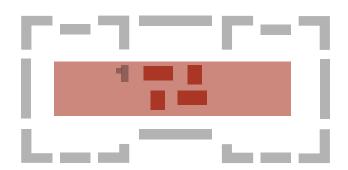


[Natural Threshold]

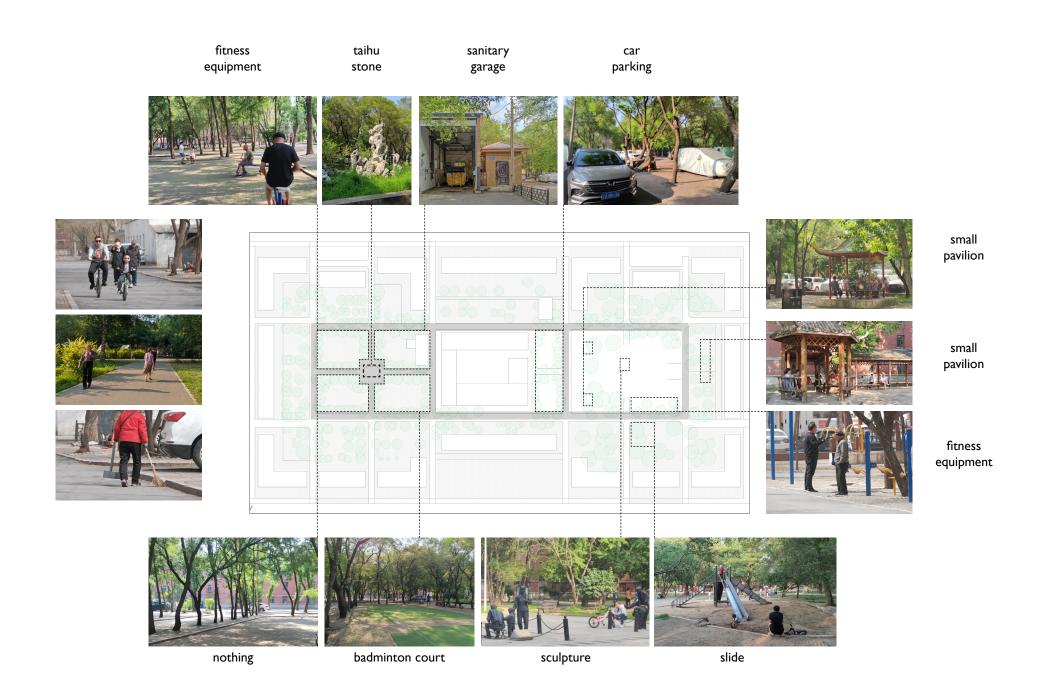




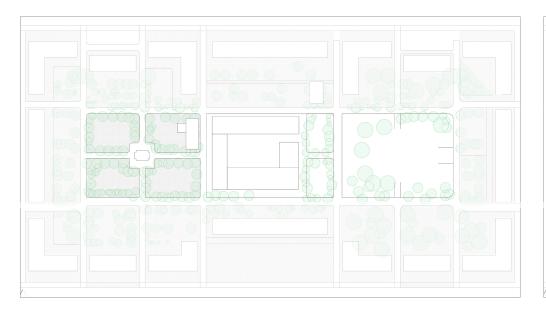
Section C [Dwelling Threshold]

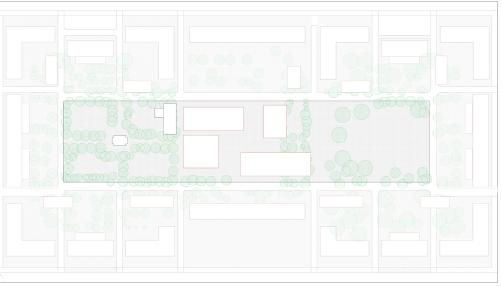


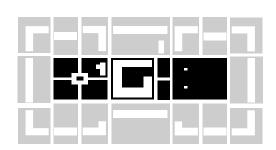
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[Eliminate height differences]

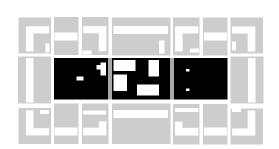






the center part is a continuous garden, with no height difference and public accsssible

in the center it will also provide new public spaces















3150.6 m² bricks

2132.8 m² permeable bricks

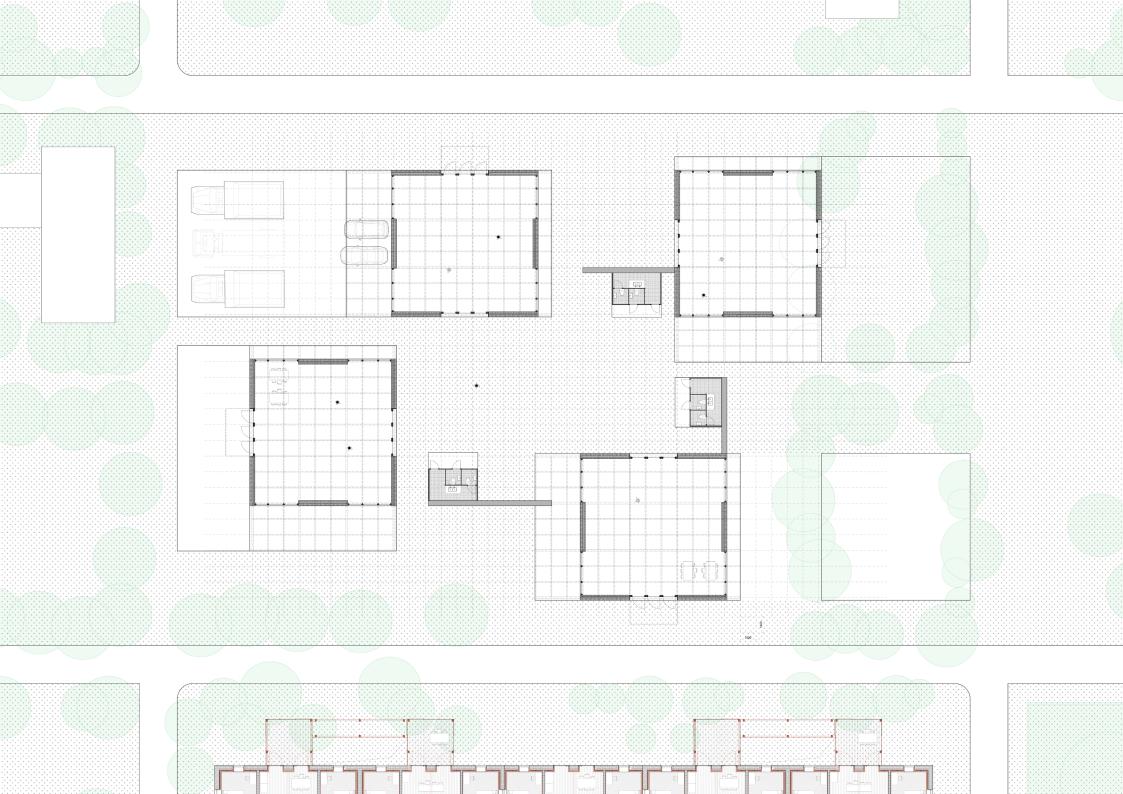
3632.8 m² stone tile

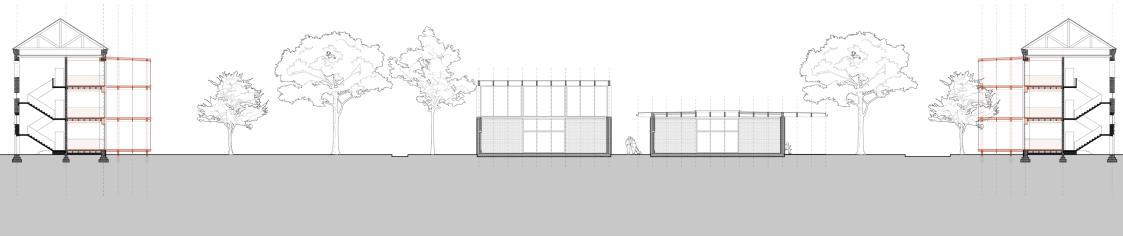
PAVEMENT RECYCLING

full pieces

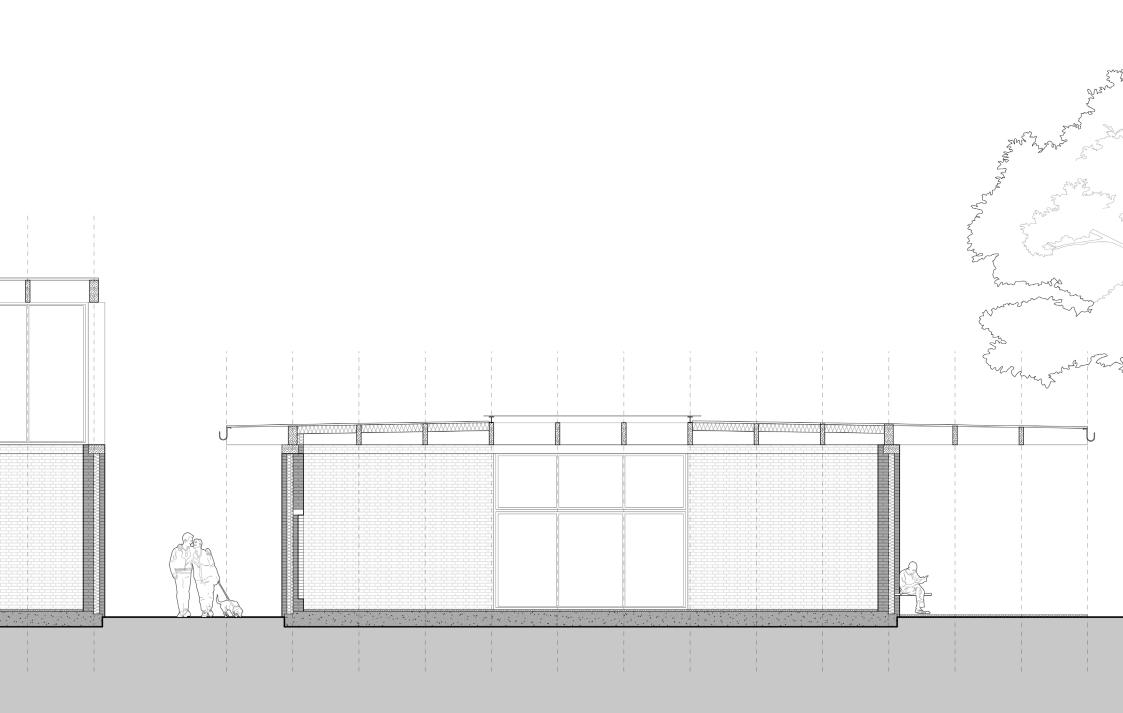
smashed pieces



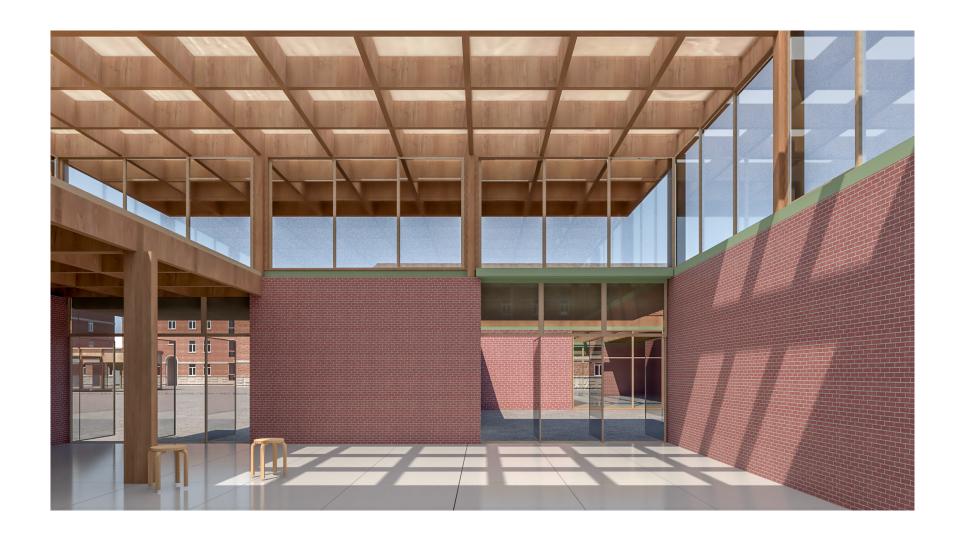


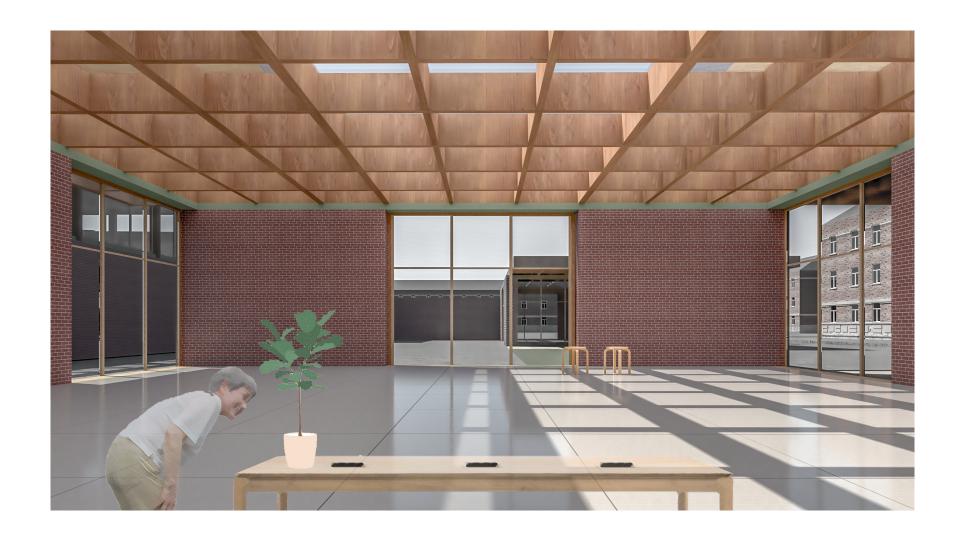


0 10 20 40 (m)









INTIMATE LIVING



Business and studios

Commercial, communal and studio spaces enliven the ground floors in the planing mill. They are meeting points for the tenants and connect the area with the surrounding neighborhoods.

Option I



Double floor is nice for workshops or even rental office. 274 square meters, 9m ceiling height and good ventilation options help with distance rules

Option 2



Seated and with tables-suitable for workshops, meetings and meals

274 square meters, 9m ceiling height- a free area for acting, dancing, gymnastics, yoga and much more, come and define it bu yourselves!

Option 3



274 square meters, 4.2 m ceiling height- The studio room is fully developed and can be rented. The commercial premises are larger and still need to be expanded. Areas can also be merged.

MSc 3 Independent Group, Research Plan



COLLECTIVE INTIMACY

Revive the collective housing as a utopian oasis

2024.01.18

Mov		Xinyue			Tianyi
Mary		WU Jun			
		GUO Chunron	g		
**		Jagger			
Yangyu					
Jiaxin	Amanda	Thank	you		Daniel
			Mark	Koe	
Kristina		YAY -1-		Koe.	11
M		Weili			
Max		Ar		Aris	
					Alex
		Tuyen			
Th	ea	J			
		Aleksandar			