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Interior Design  
Super Reuse  
2024

PORT  
FO  
LIO



## **A Home from Home**

A domestic violence shelter designed for abused women and a nursery.

# **CONTENT**

**01. Introduction**

**02. The Location**

**03. Case Study Research**

**04. The Design**

# **01. Introduction**

## Current Situation

# 1 in 4

women in England and Wales will experience domestic abuse in her lifetime.

The police receive a domestic abuse-related call every

# 30 seconds

Yet it is estimated that less than 24% of domestic abuse crime is reported to the police.

# 1000's

of women and children supported by Refuge on any given day



On average,

# 7

attempts before a woman is able to leave for good.

# 20%

of children in the UK have lived with an adult perpetrating domestic abuse.

# 93%

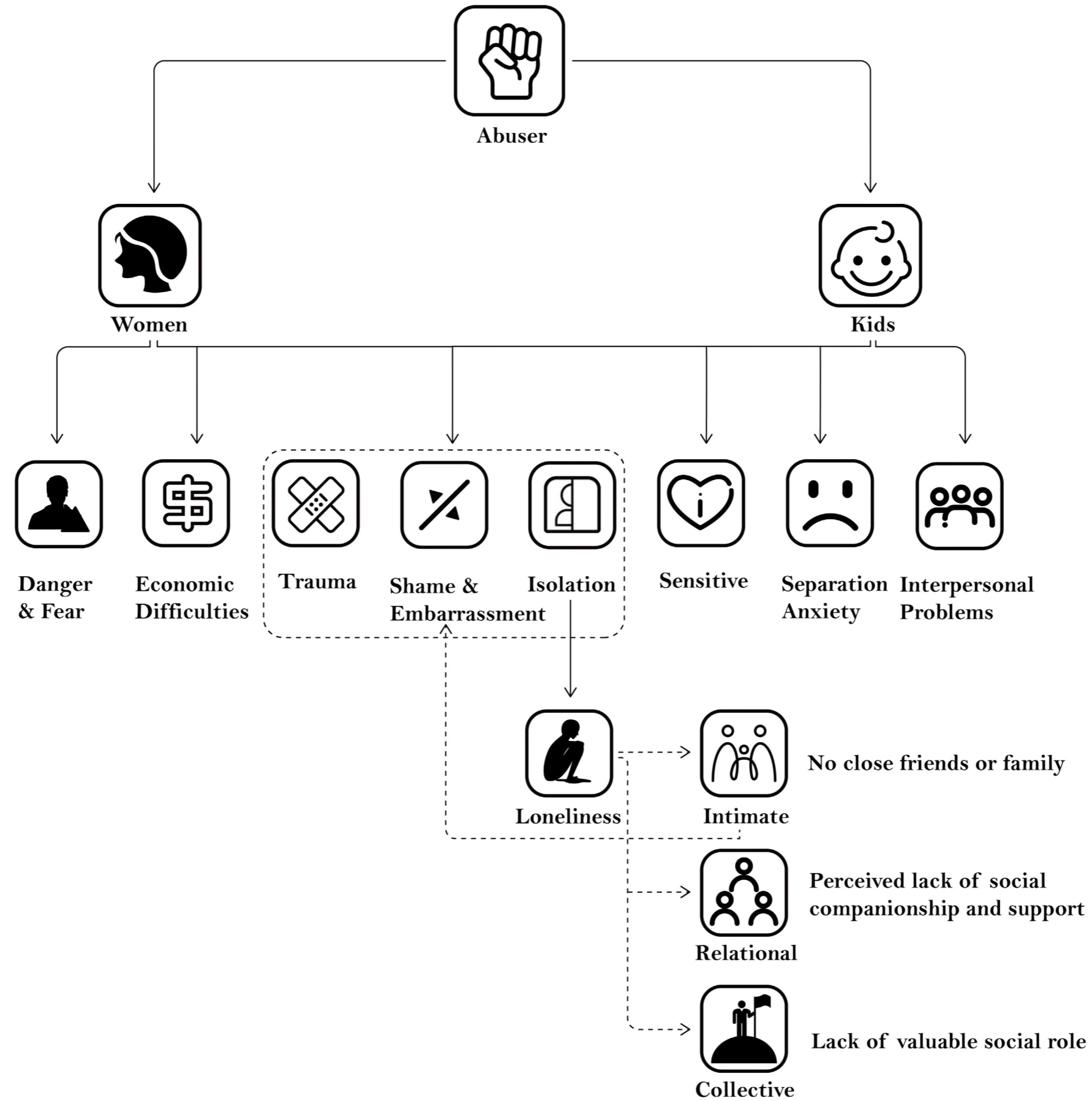
of defendants in domestic abuse cases are male

# 84%

of victims are female.

And yet, women are three times more likely to be arrested for incidents of abuse.

# The consequences of domestic violence



## The first years of shelter facilities

- In 1971, Chiswick Women's Aid opened the world's first safe house for women and children. Within weeks, 18 women and 46 children were living in the house in Chiswick, sleeping top-to-toe on shared mattresses. It may have been crowded, noisy and with no personal space but it was safe.
- Shelters are not hidden, fathers can visit their children and shelters provide an environment where women in similar situations can provide emotional and moral support as well as friendship.
- This shelter reveal though an inspiring atmosphere of mutual support, solidarity between women and sense of community.

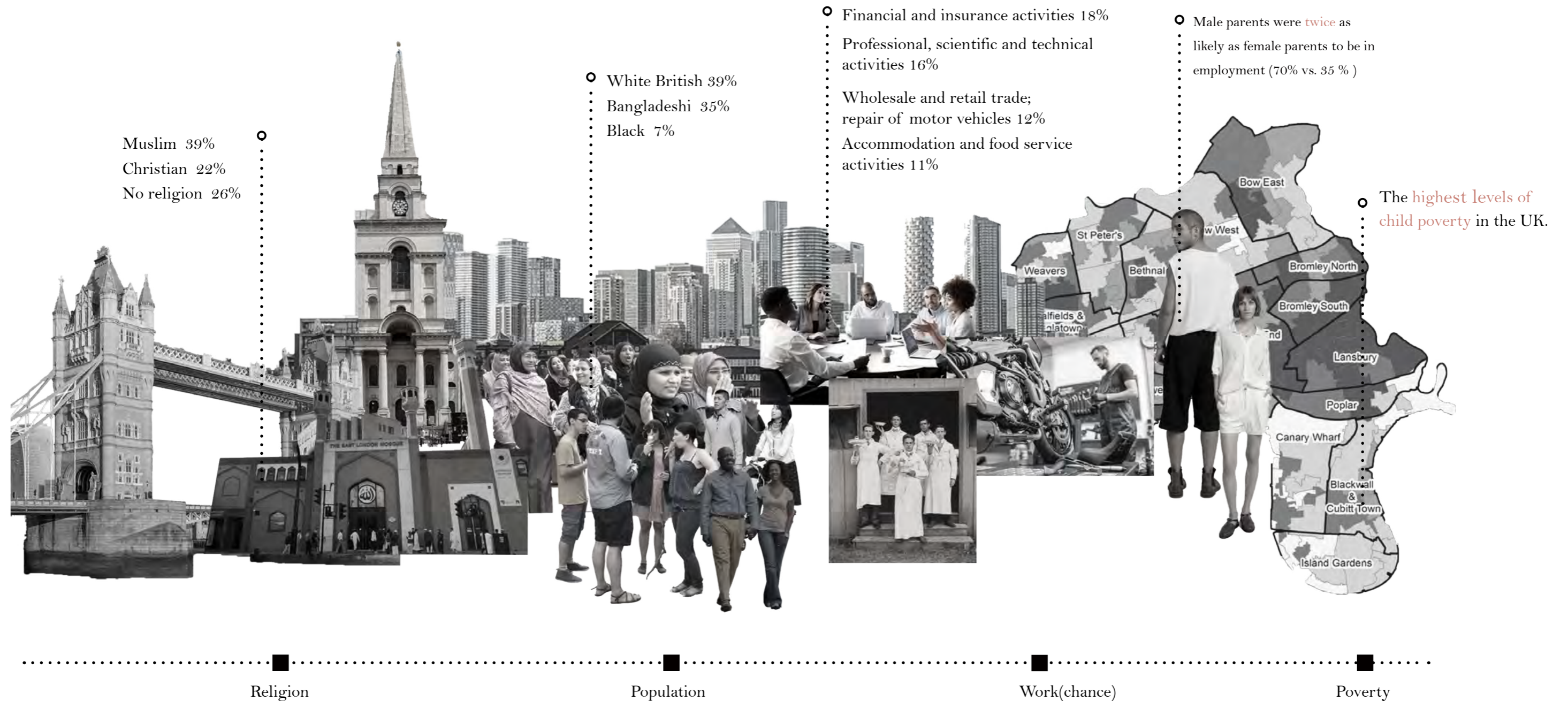


## **02. The Location**

# Background

Tower Hamlets is the second largest and most impoverished administrative district in London, with the highest levels of child poverty in the UK. However, the employment rate in this area is the lowest among all ethnic groups, with the majority of people working in low-skilled, part-time jobs and facing heavy financial burdens.

In this area, the relatively low economic status of women is the main reason for their exposure to domestic violence. Compared to men, women have half the job opportunities, and their lower economic status puts them in a vulnerable position within the household. This unequal economic status contributes to the severity of the issue of domestic violence in the Tower Hamlets area.



# Site Analysis

The site is located at 23 Gillender Street, surrounded by subway stations and bus stops, with convenient transportation and easy access. Though there are many health centers, there is a lack of nursery schools and domestic violence shelters in the area.



Nursery distribution location



Shelter distribution location

Bromley-by-bow Health Centre



St Andrews Health Centre



Coventry Cross Estate (Stop BD)



Little Genius Day Nursery



Chrip Street Health Centre



GrowTH Shelter(homeless)



Your Place Shelter (homeless)



Bromley-by-Bow Station



Twelvetrees Crescent (Stop BB)



Site



- Site
- Health Center
- Underground/Bus stop
- Nursery Shool/Shelter

## **03. Case Study Research**

# Case Study 1(Shelter)

## Ogange Huis Amsterdam

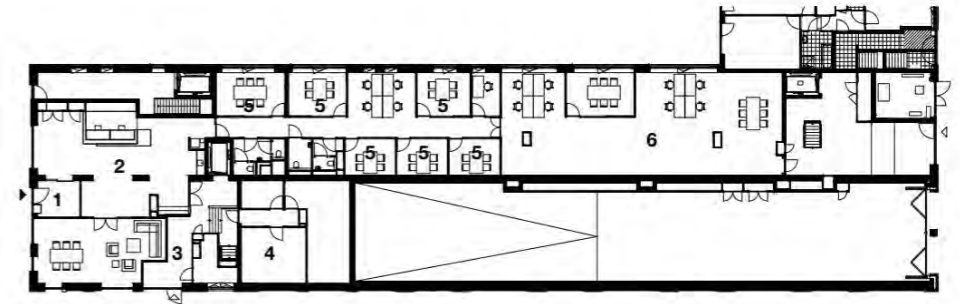
- The Blijf Groep is an organization that currently offers support and shelter to women victim with domestic violence in Noord-Hol -land. The institution has as its mission to help ending domestic violence, by providing support to all the involved parties: victim, perpetrator and children.
- Women's refuges have been hidden in the past, but the institution believes in an open approach in which the Oranje Huizen could be seen as a statement to society



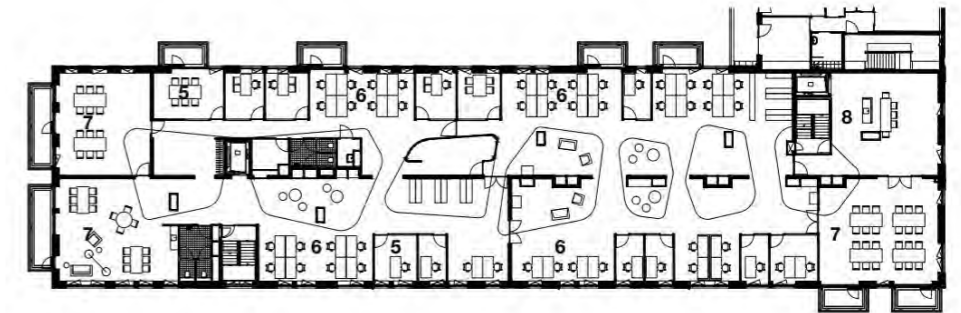
Located across De Hallen in Amsterdam West, the Oranje Huis in Amsterdam could go unnoticed.



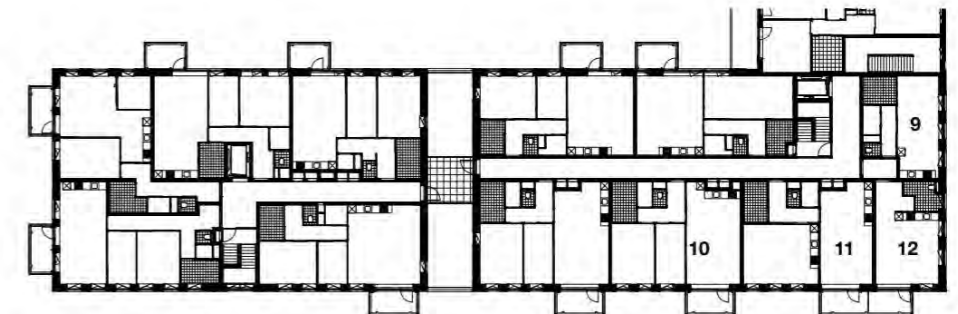
The main building's characteristics such as typology, scale, facades and relation to context, could be compared to any standard housing block.



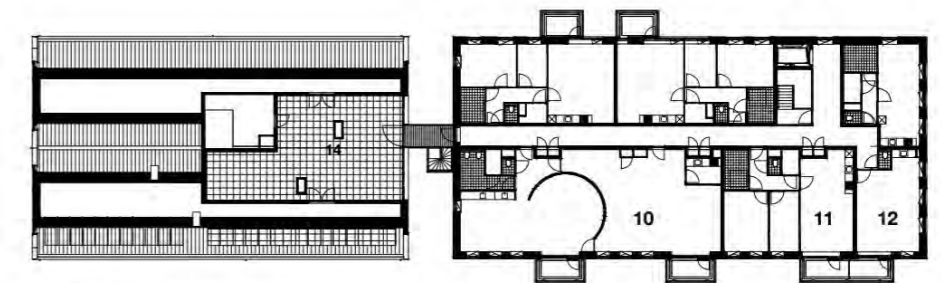
plattegrond begane grond



plattegrond eerste verdieping



plattegrond tweede-vijfde verdieping



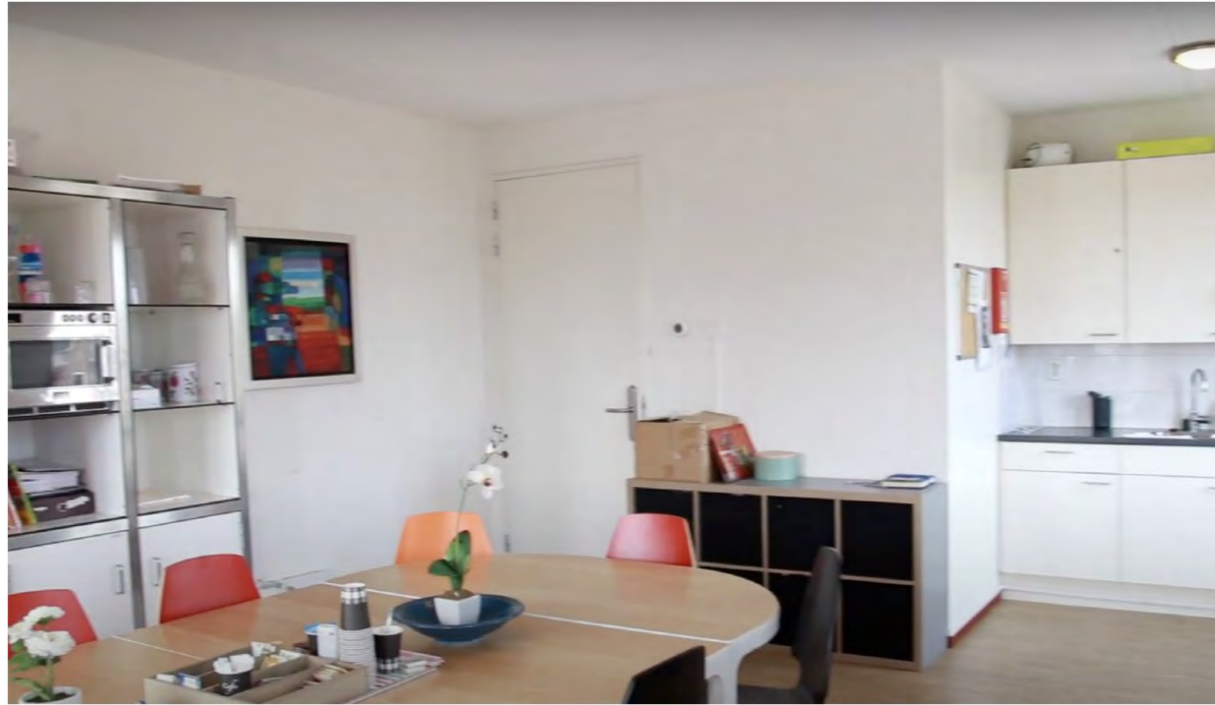
plattegrond zesde verdieping

- 1 tochtportaal
- 2 receptie
- 3 entreehal woningen
- 4 wasruimte
- 5 spreekkamer
- 6 kantoorruimte
- 7 groepsruimte
- 8 kantine
- 9 noodkamer
- 10 driekamerappartement
- 11 eenkamerappartement
- 12 studio
- 12 kinderwerk
- 14 dakterras

# Case Study 1(Shelter)

Ogange Huis  
Amsterdam

Although they have good ideas about sharing space and multiple room types, they are not very inspiring.



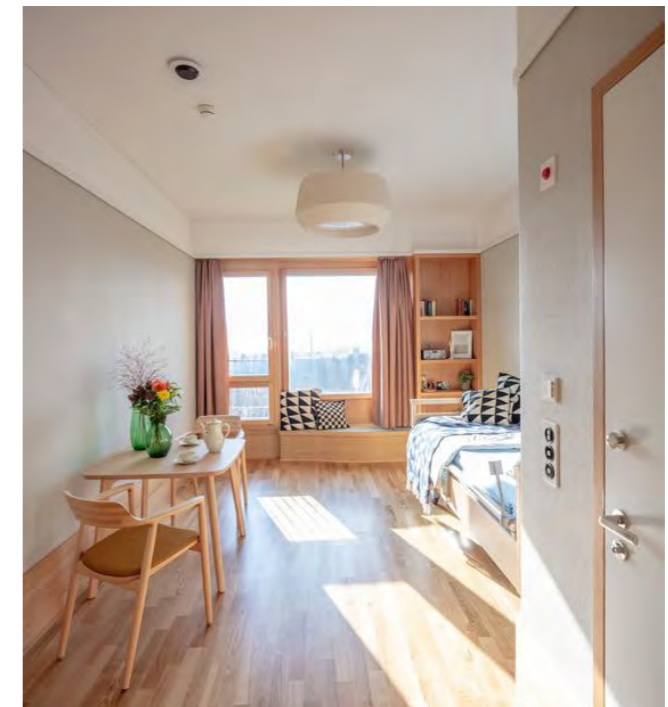
Collective living room positioned on corridor's edge of standard floor.

challenge →



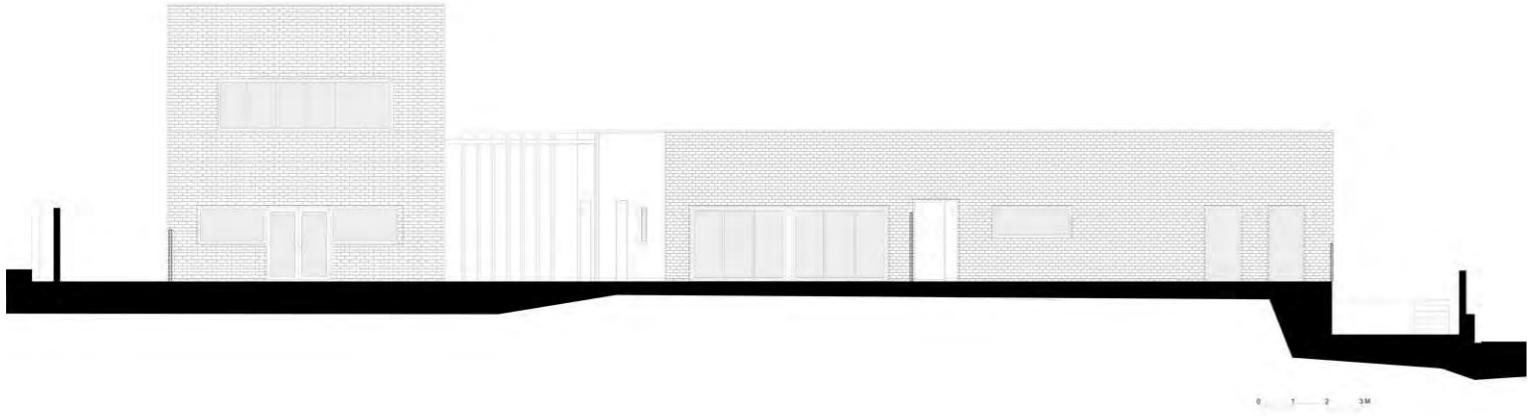
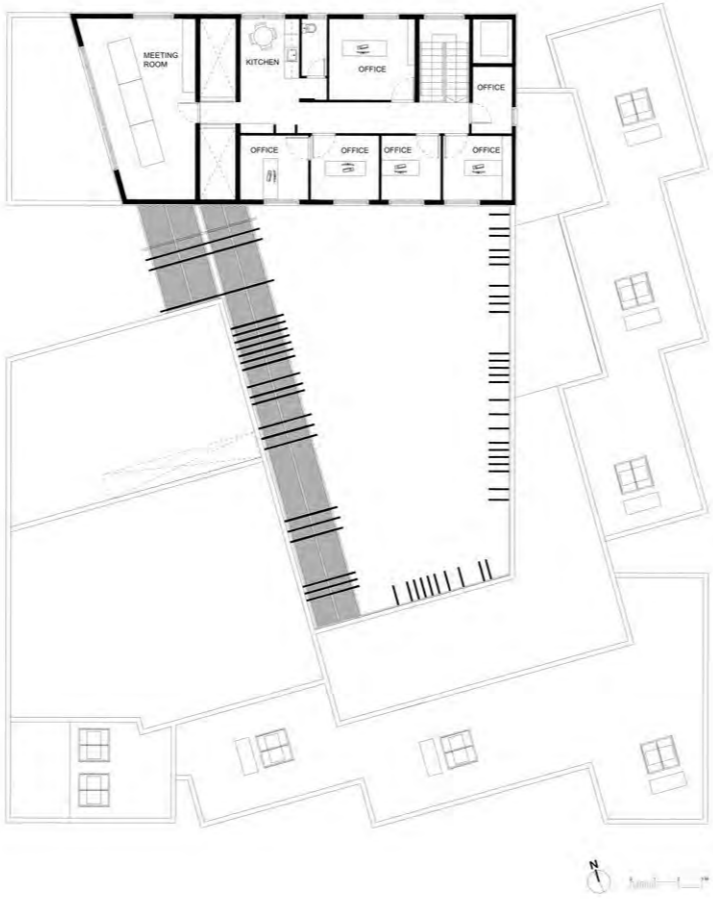
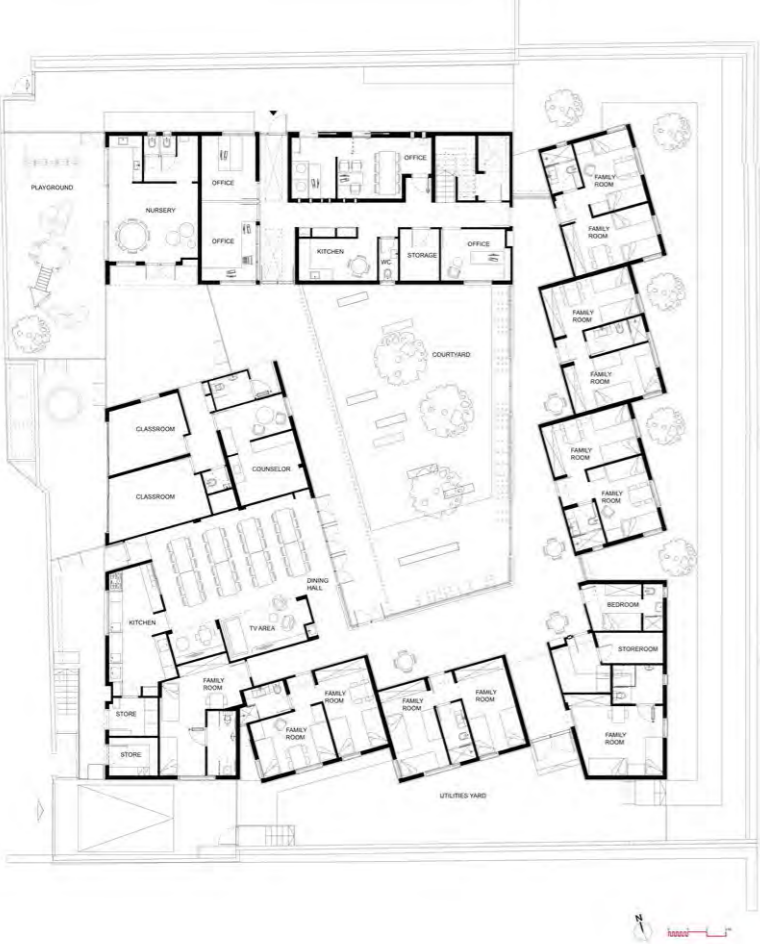
Interior of a studio

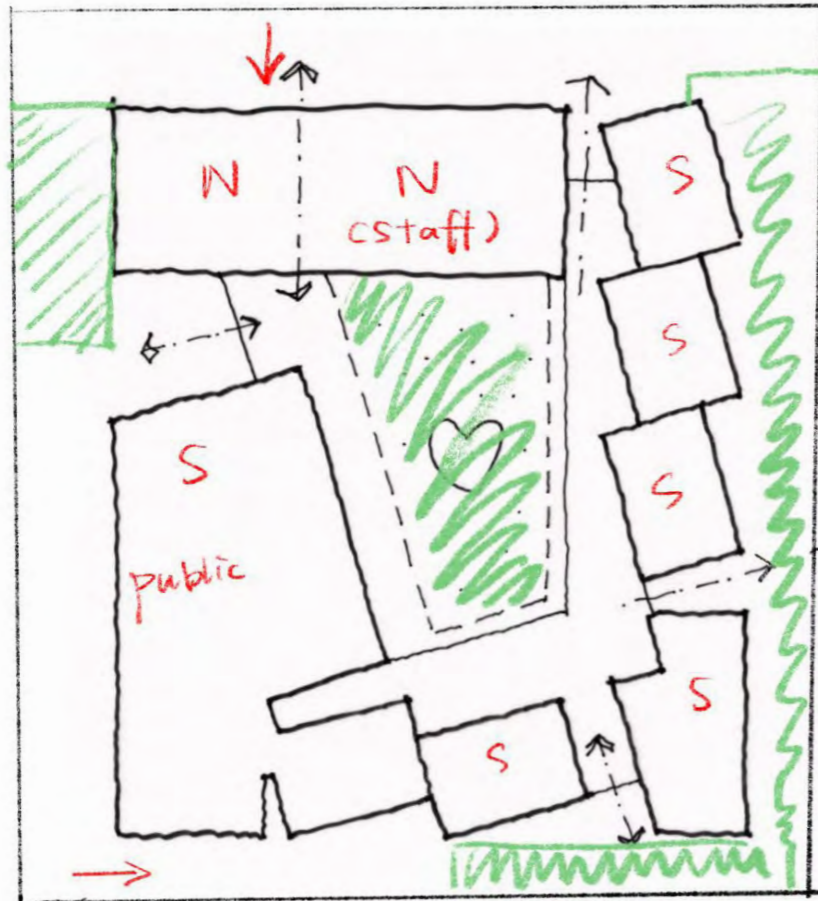
challenge →



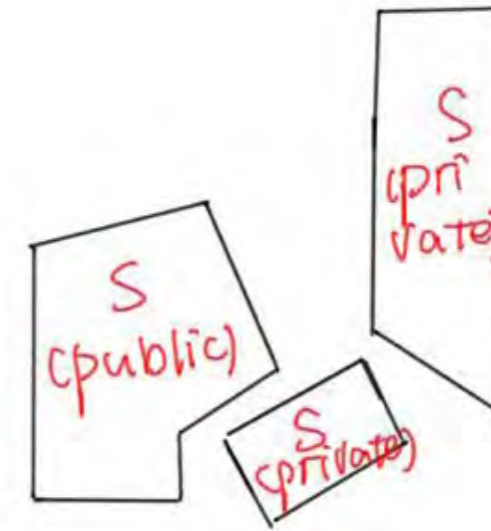
# Case Study 2(Shelter)

Shelter For Victims Of Domestic Violence  
Amos Goldreich Architecture + Jacobs Yaniv Architects  
Israel

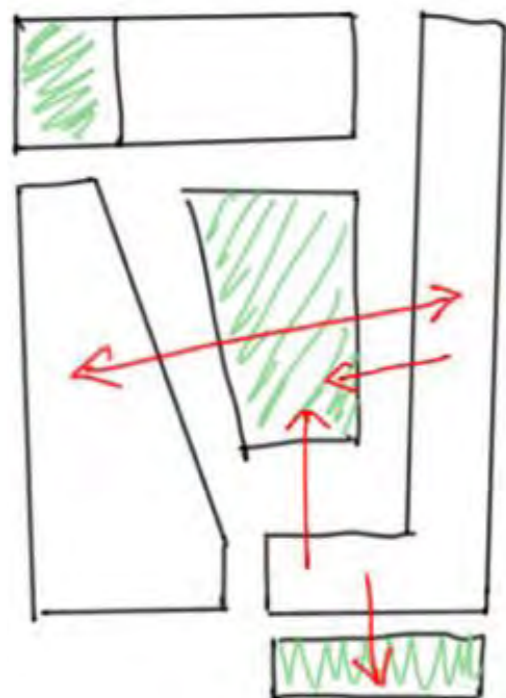
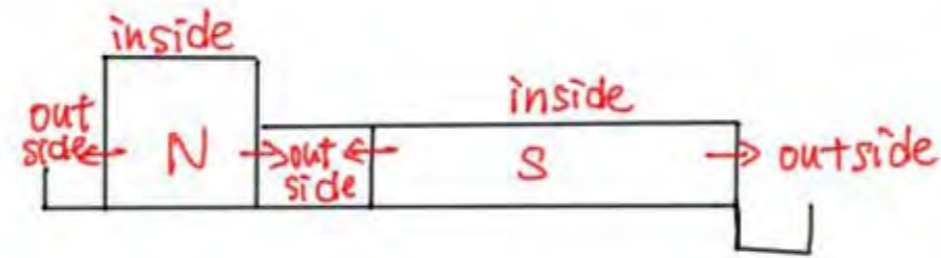




- two facades – a secure, protective external façade and an inner façade
- 2 function are separated families can conduct a normal daily routine
- entrance: (to shelter) pass through public space (12m)
- yard: 1 for N, 1 for public, 1 for S

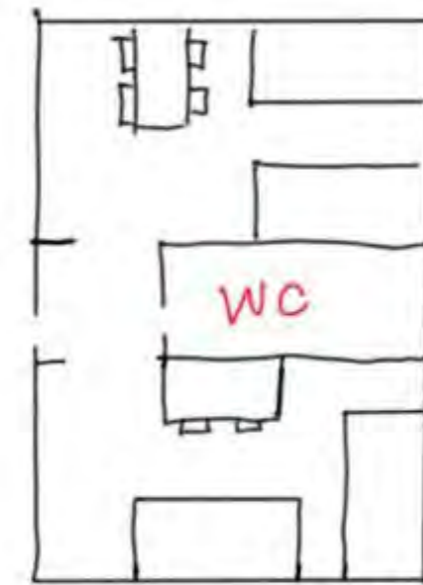


Supporting functions  
 · including social workers, a child psychologist, housemothers, a child care worker, and a part-time lawyer



courtyard  
 · meeting place  
 · visual connection house mother & children women & children people & staff

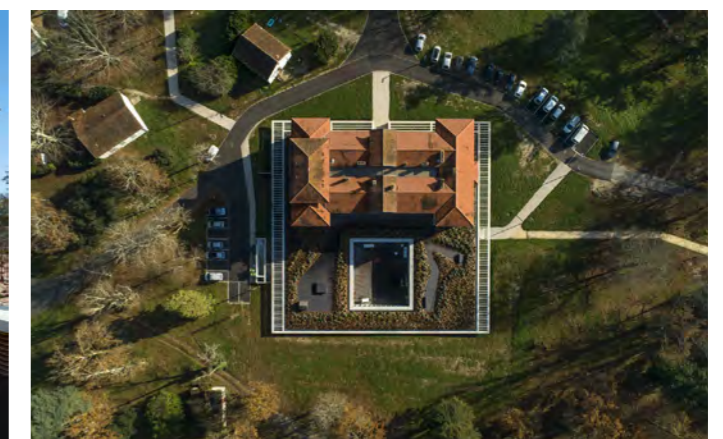
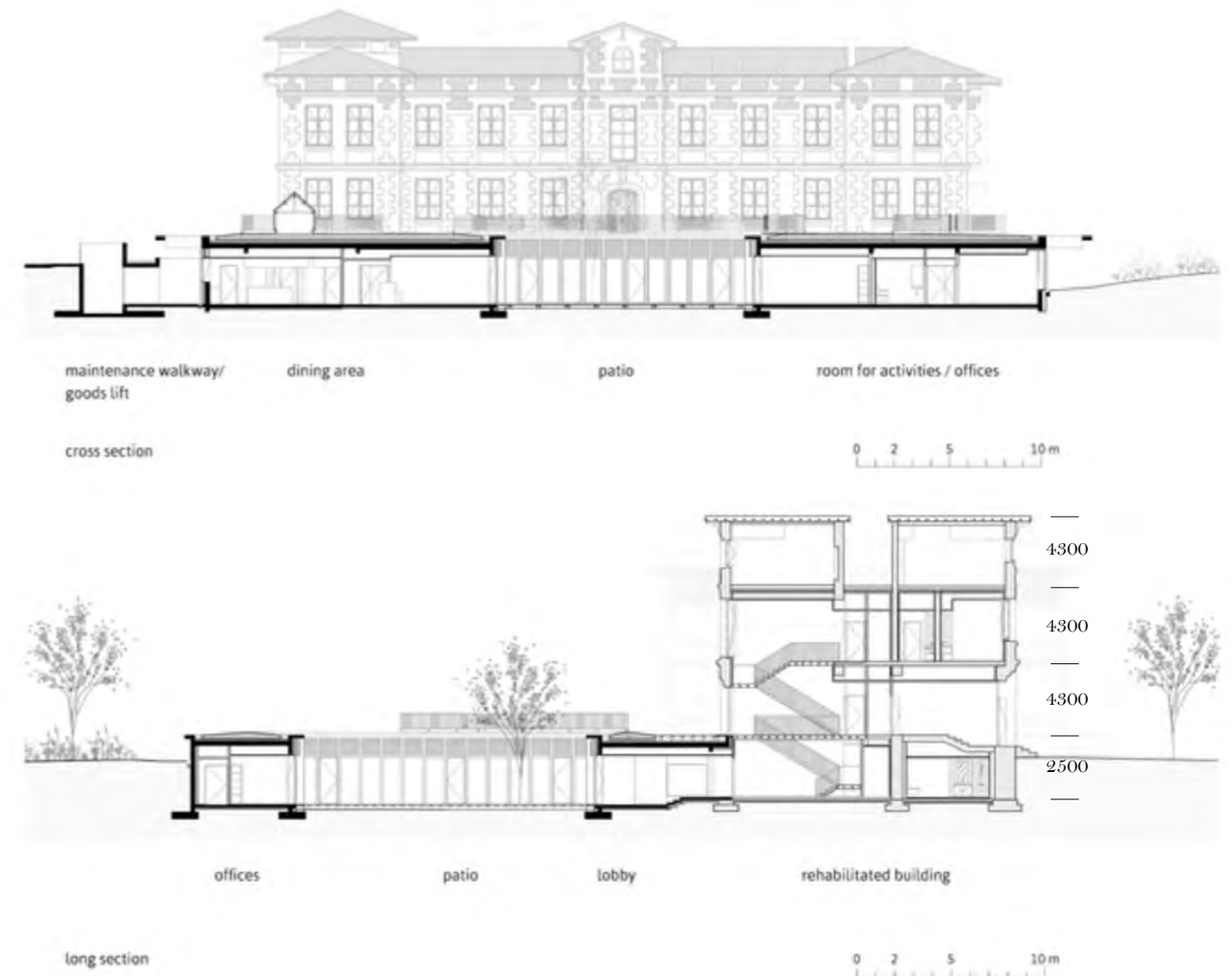
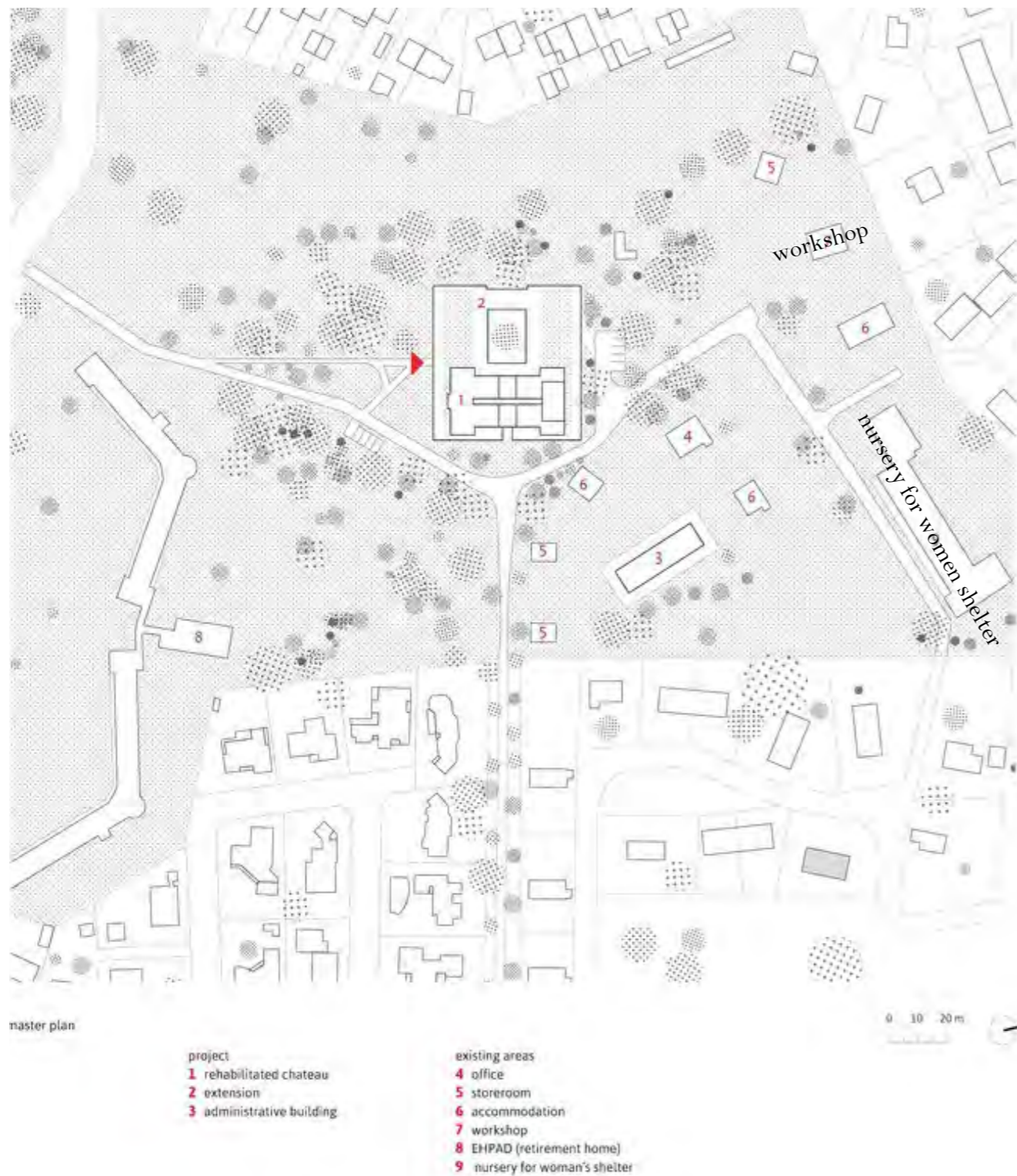
family room  
 · independent small house connected by the internal corridor



2 families room  
 · size: 34.5m<sup>2</sup>  
 · share one WC,  
 · a family room with two beds

# Case Study 3(Shelter)

Repos Maternel Woman's Shelter  
 Extension  
 Marjan Hessamfar & Joe Vérons  
 architectes associés  
 France Gradignan

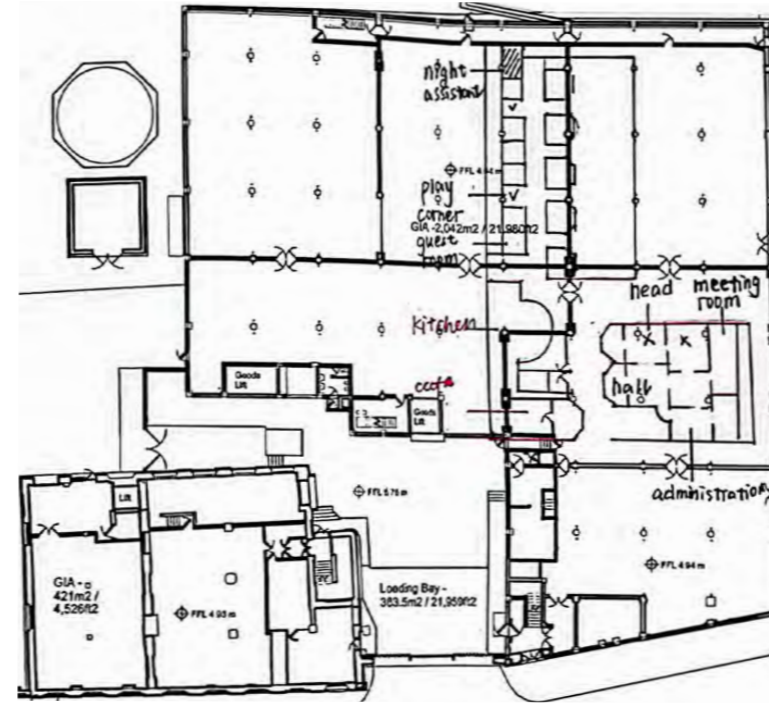
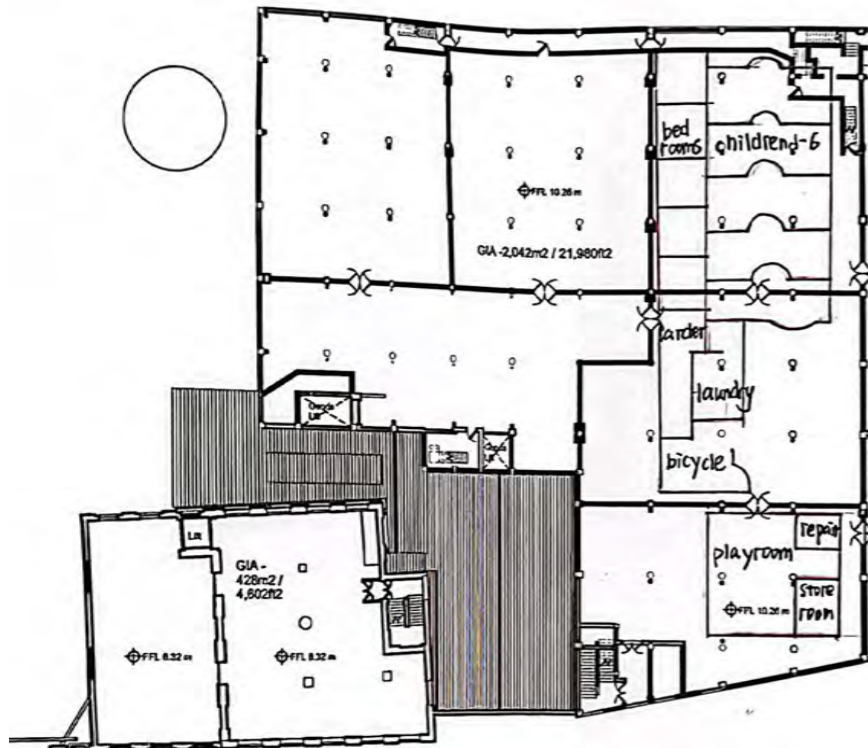


- Annex buildings are scattered throughout the park, housing nurseries, offices, etc.
- The nursery/workshop area is separated from the shelter

· Vegetation assists and blends into the environment

# Case Study 4(Shelter)

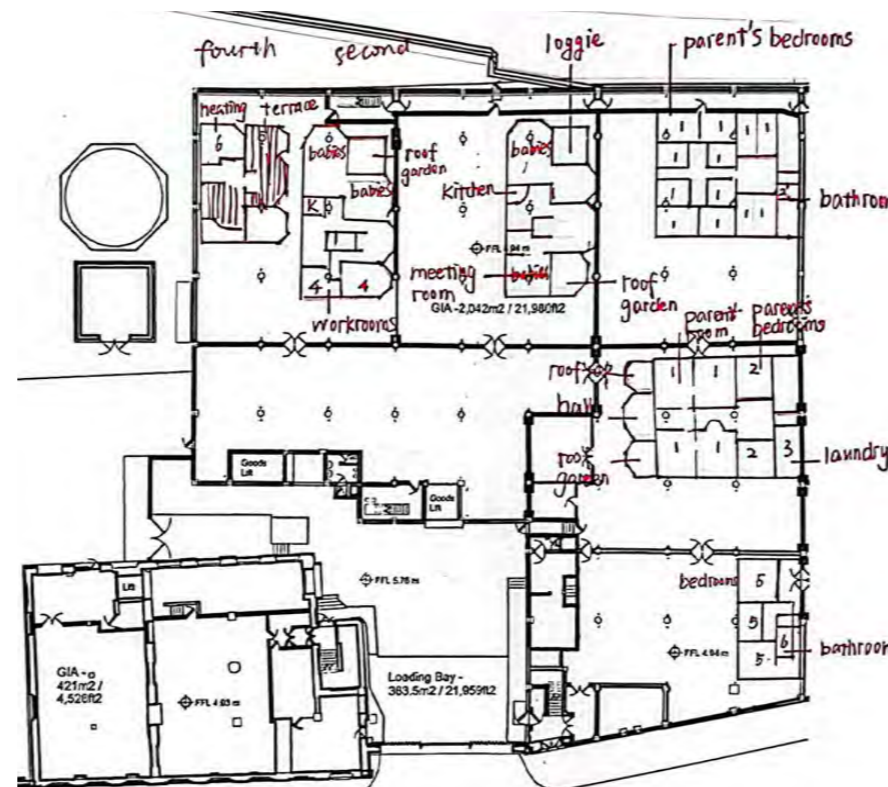
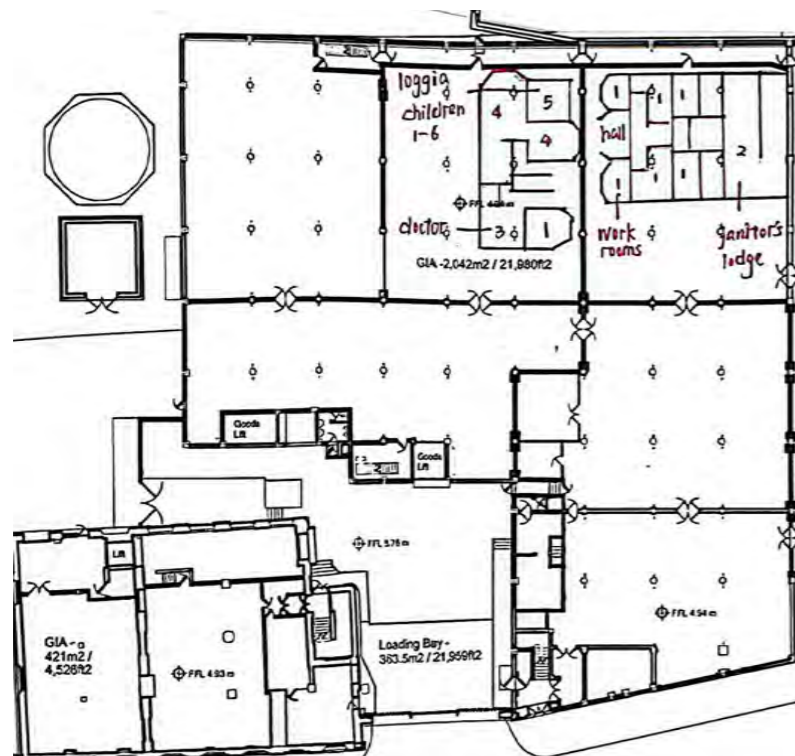
Mothers' House  
Amsterdam  
Aldo van Eyck



This association was set up in the 19th century to help 'fallen women' and during the 1970s evolved into an institution that took in and protected unmarried mothers on an equal basis.

Test the scale of Aldo van Eyck to giving the idea of the scale floor plan, and calculate the area of functional zones.

- |                            |                             |
|----------------------------|-----------------------------|
| laundry: 28+9              | parents dining: 56          |
| kitchen: 28.5+4+3=35.5     | night assistance: 5         |
| cafe: 24                   | doctor: 20                  |
| meeting room: 10.4+19.6=30 | janitor: 26                 |
| play room: 67              | counselor: 12.25            |
| repair: 8.4                | children 1 to 6: 220        |
| store: 14.4                | children 1 to 6 bedroom: 80 |
| hall: 21+12+12+8           | parents bedroom: 34.5       |
| reception: 12              | equipment: 17.5             |



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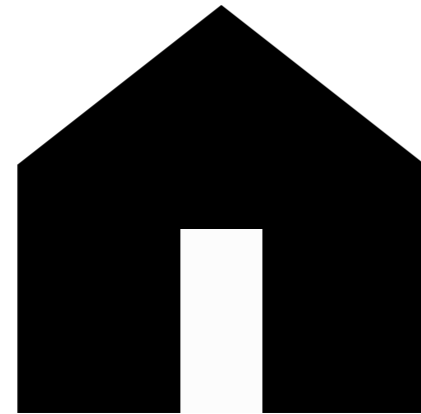
## Conclusion

Through the study of British shelters and reference cases, many concepts influencing the spatial scheme were collected and used as guidelines for the design.



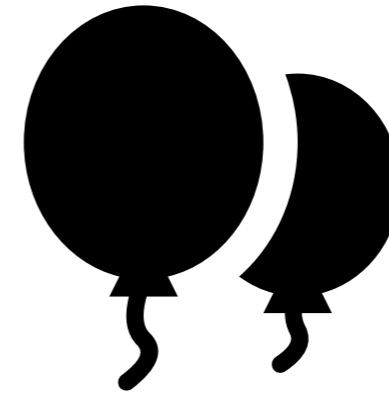
### Location Selection

Choose a **site near the city center** but **slightly secluded**. This ensures convenient transportation and access to urban resources while providing a degree of privacy and security.



### Architectural Design

The design should prioritize privacy and security while also considering **comfort and livability**. For example, incorporating internal courtyards or walls can provide residents with privacy while maintaining brightness and ventilation.



### Community Integration

Despite the need for a safe space, efforts should be made to **connect residents with the community and urban life**. This can be achieved by establishing community activities and services within the shelter and encouraging residents to participate in community events.



### Safety Measures

In addition to providing privacy and comfort, the building should implement necessary **safety measures** to ensure the residents' security. This includes security systems, security personnel, and emergency assistance facilities.

# Case Study 1 (Nursery)

Mothers' House  
Amsterdam  
Aldo van Eyck



Bold colors, very public

## Case Study 2(Nursery)

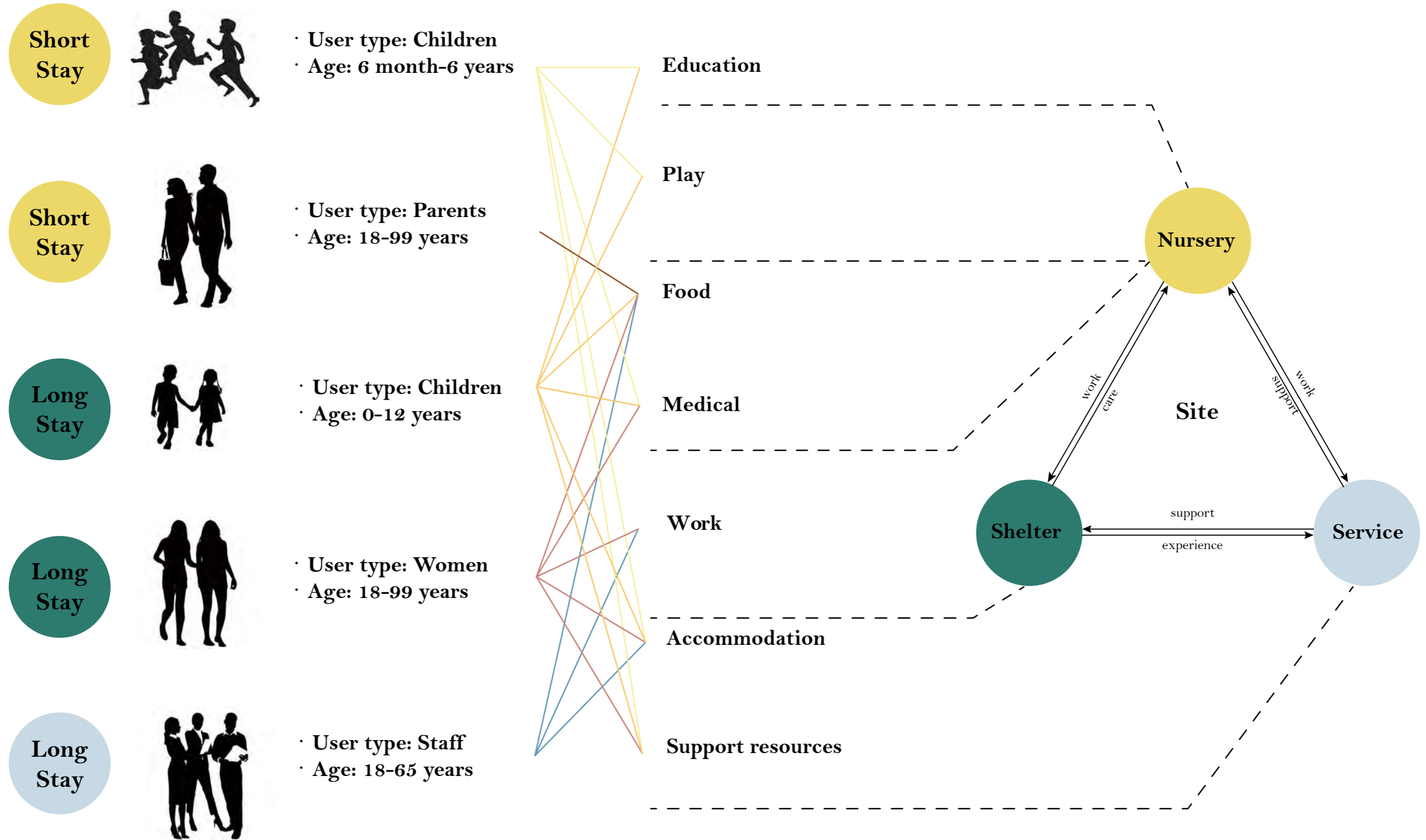
Young V&A  
AOC architecture

It does not strictly distinguish between different ages, but builds the entire space through different activities.



# Users & Functions

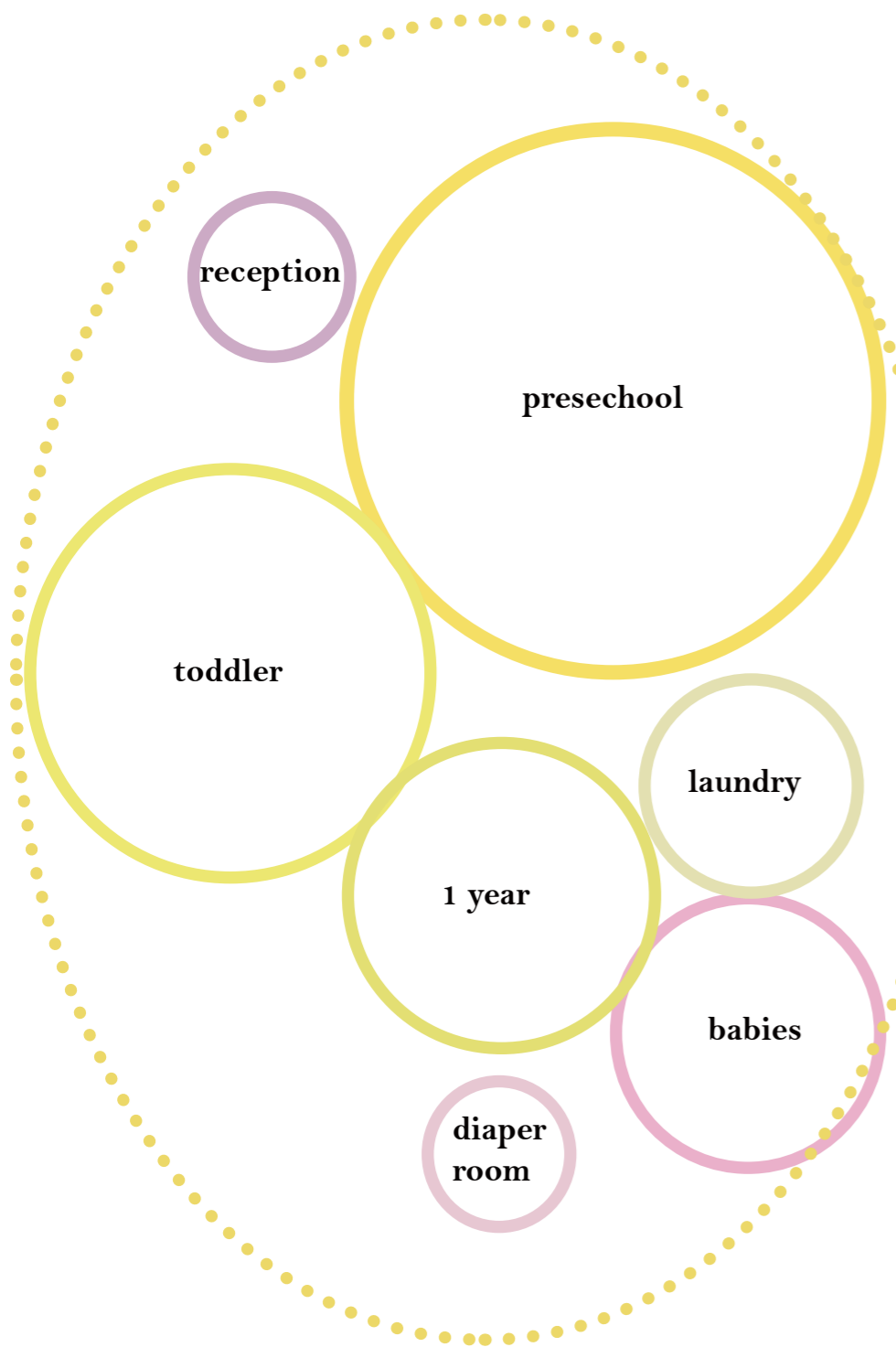
In the area with the highest child poverty rates in the UK, I want to establish a nursery and shelter because it can provide practical help and support for women and children affected by domestic violence, while also giving these women the opportunity to find employment and break free from abusive situations. Additionally, with a lack of daycare services in the surrounding area, establishing a nursery can assist families in need of childcare, providing a safe environment and care for their children.



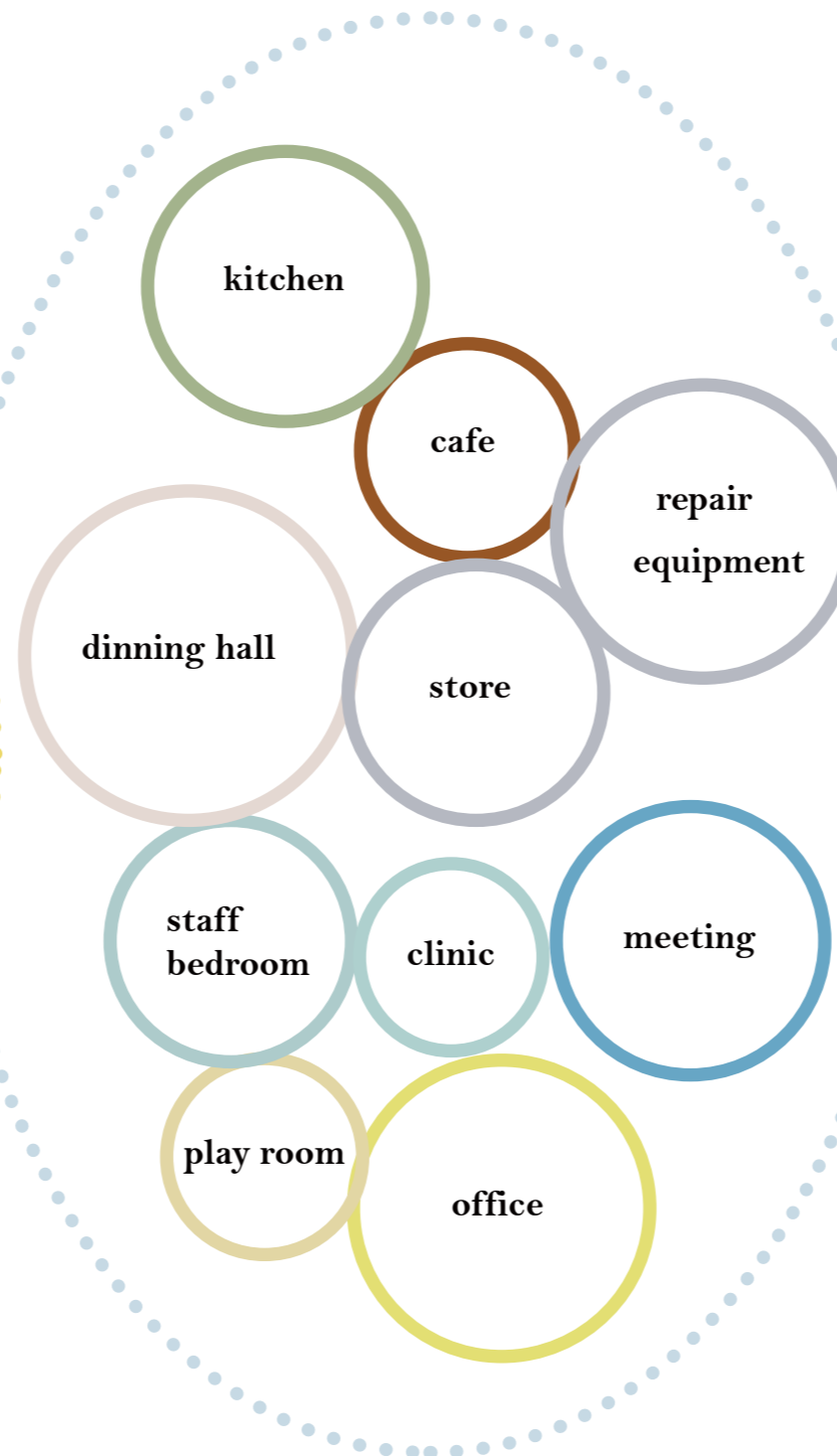
# Functional Areas

Determine the main functional areas based on reference.

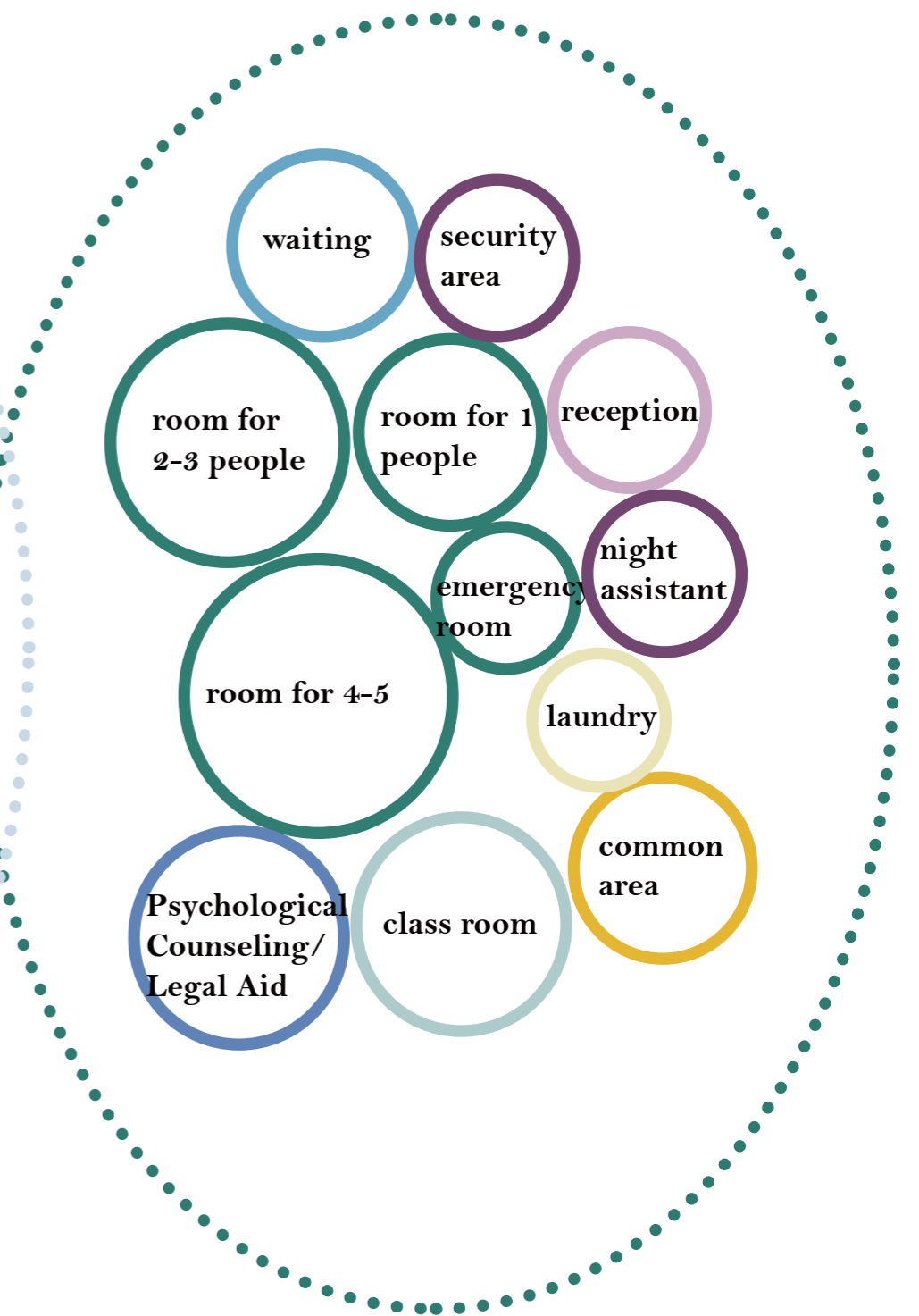
## Nursery



## Auxiliary Space

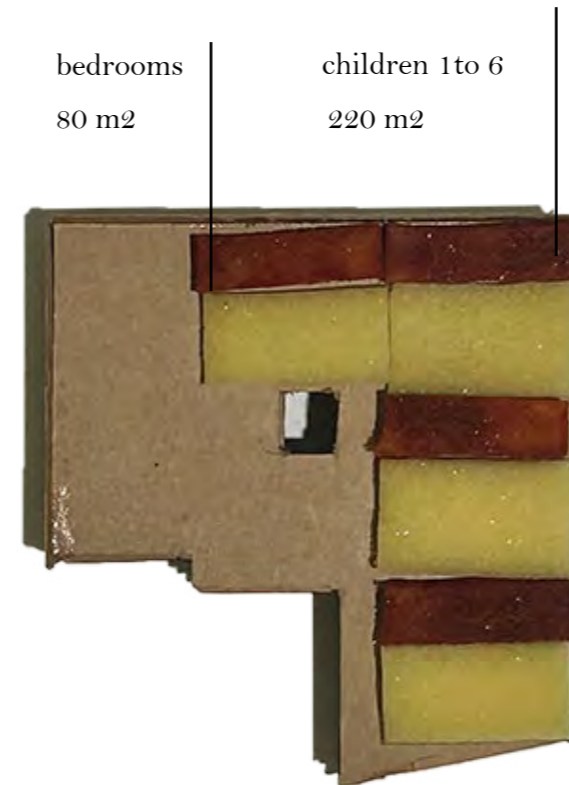
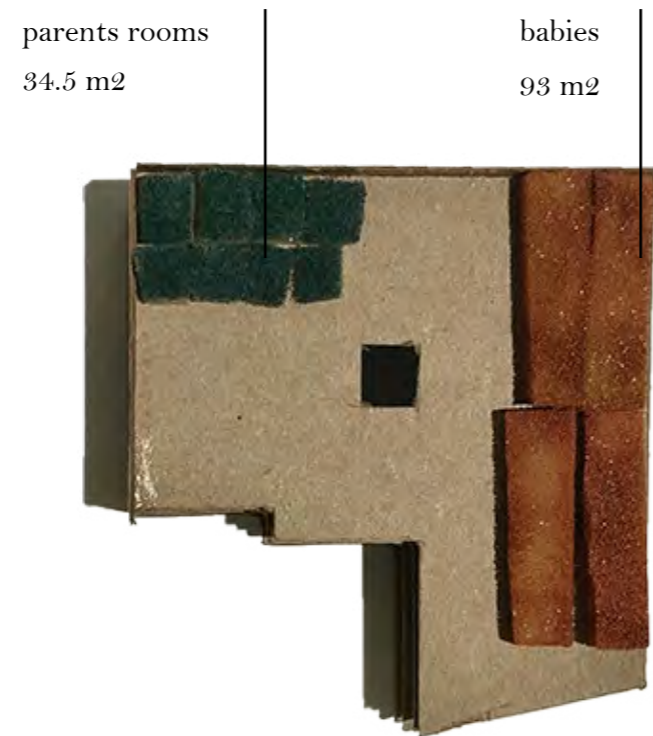
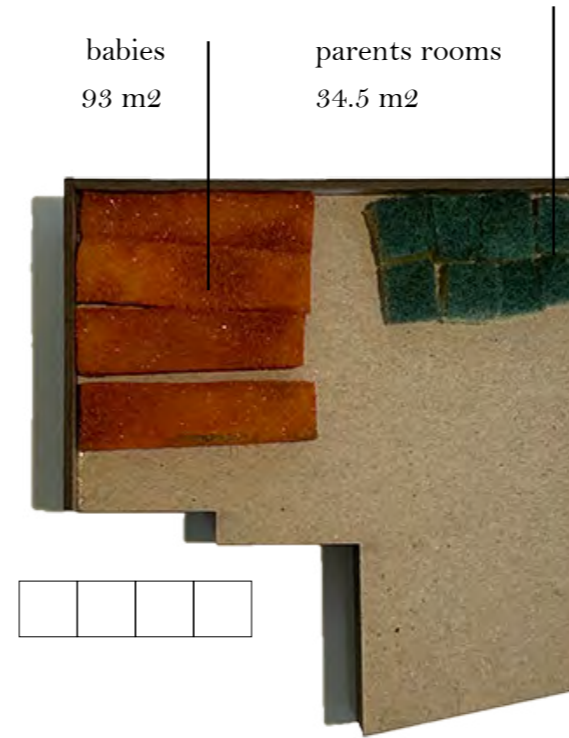
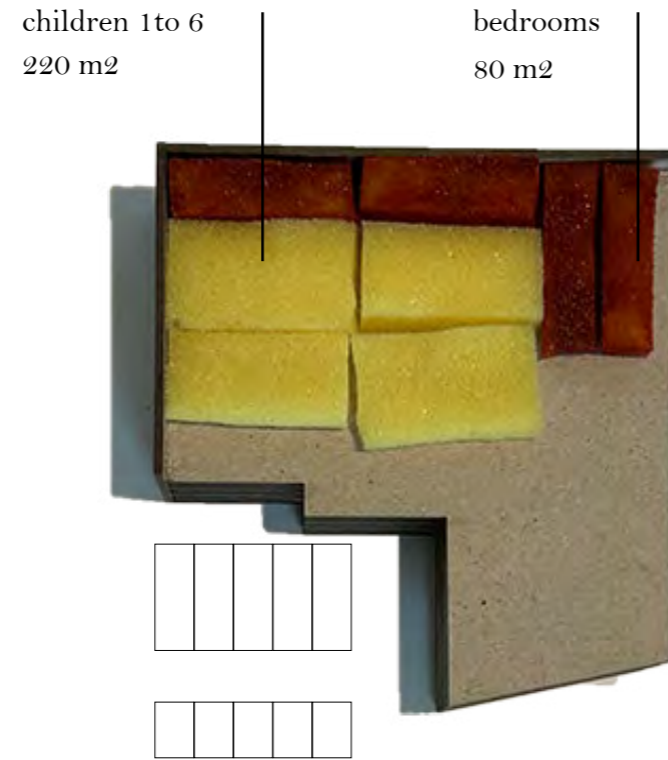


## Shelter



# Space size

Put into model using Mothers' House dimensions,  
think about the division of space size



## **04. The Design**

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## Previous Work

In Term1 I made a stairwell where people can stand and observe the experience. The stairwell feels cramped and narrow to me. With my design, I will try to change people's experience.

Height:

1410 mm

Model height:

1700 mm

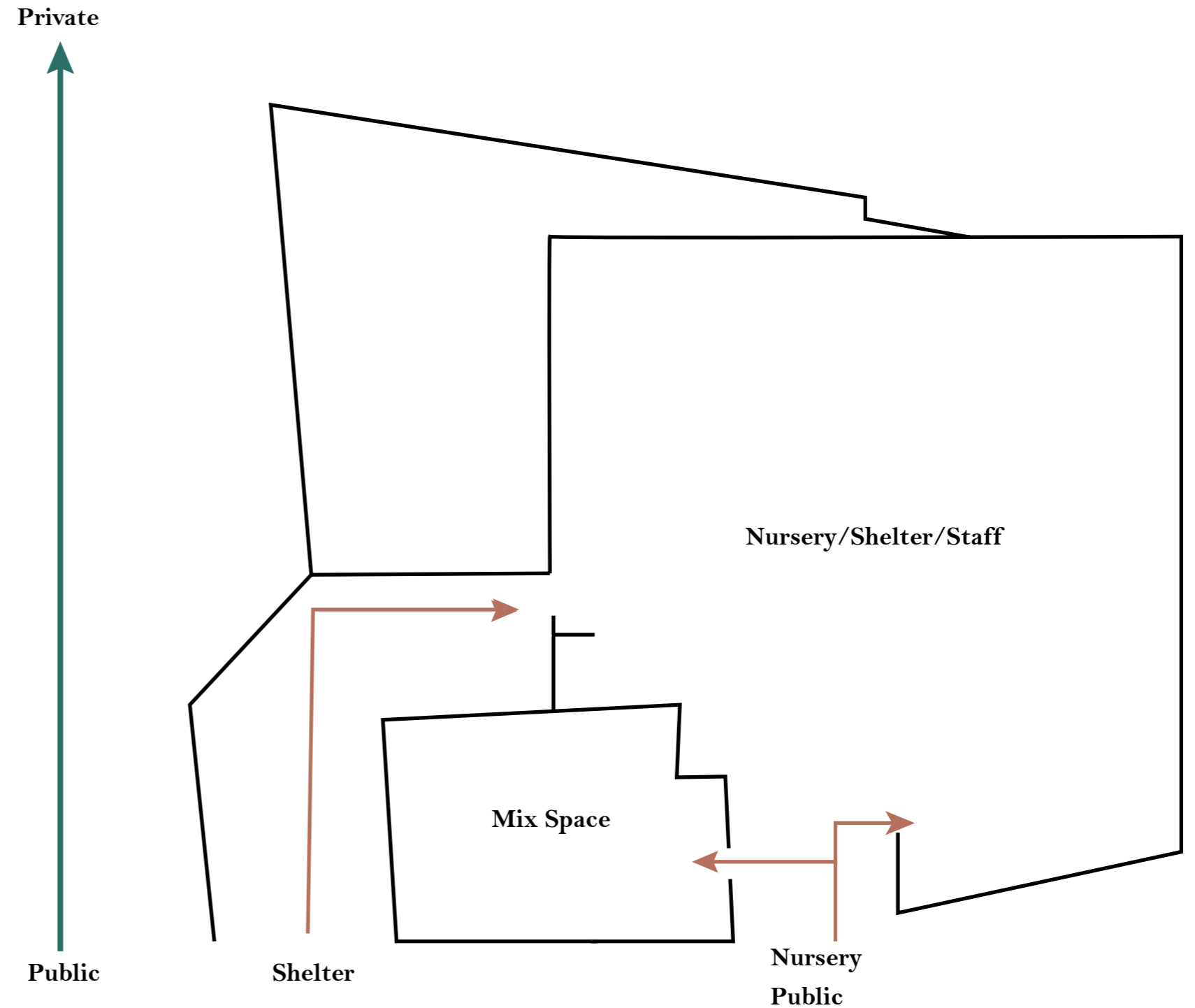


# Challenge

My challenge was to try to design for two different users and design response that enables the existing building to adapt and host this two separate uses.

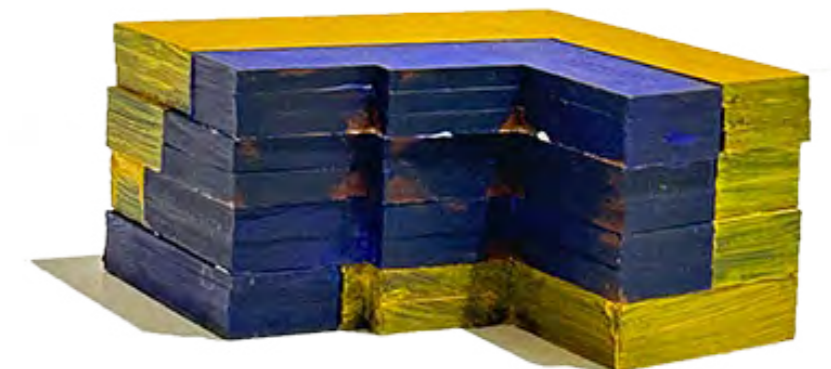
Question1: How can I challenge the shelter not to be hidden and yet to provide protection for users?

Response to Q1: Put the public service functions in the Victorian building, and place the Nursery and Shelter on Gillender Street. The entire site presents a transition from public to private.



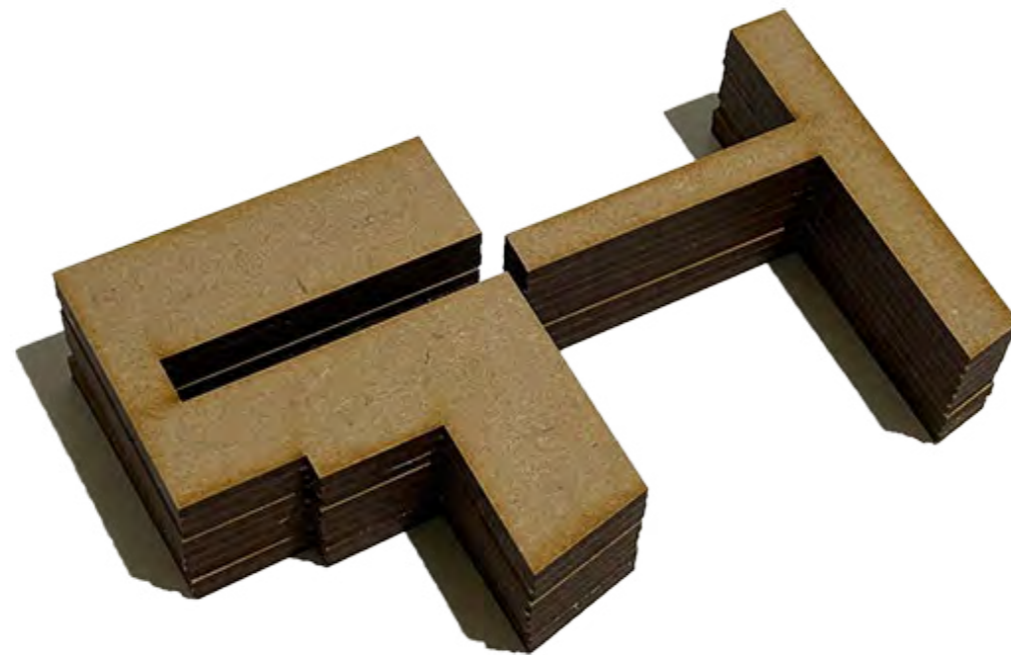
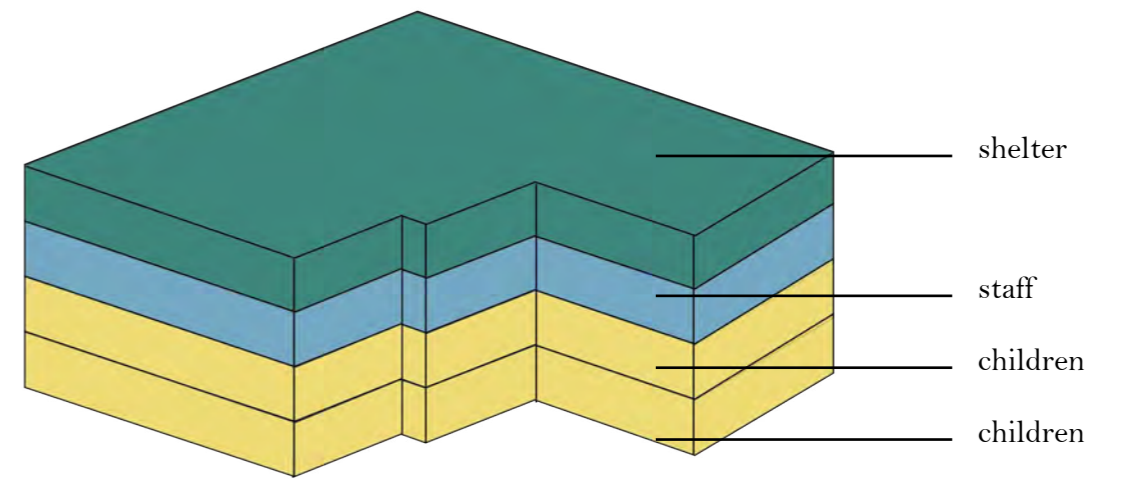
## Challenge (Space Division)

Try to separate Nursery and Shelter spaces.



# Challenge (Space Division)

Response to Q1: Distributed on different floors.

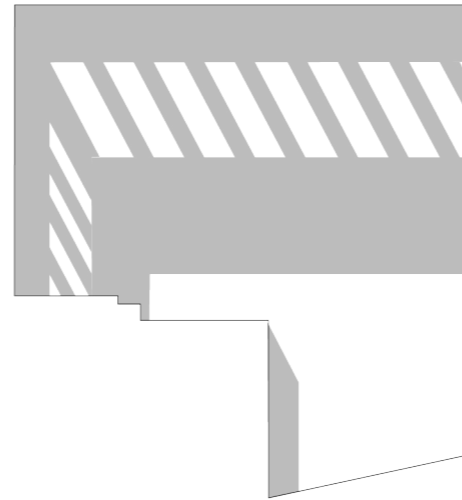


## Challenge(Test Shadow)

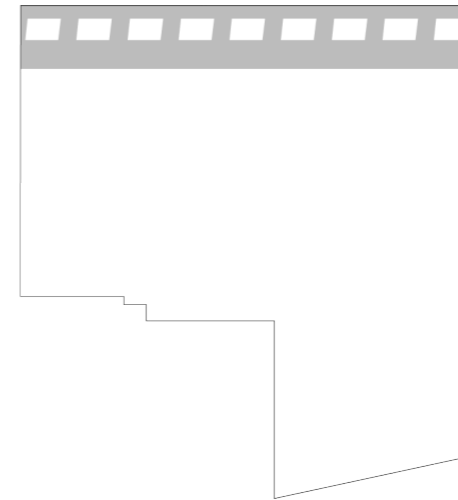
Question2: How can I adapt this building to be fit for human habitation and specifically the uses in my brief?

Test the sun and try to find the deepest point of the building.

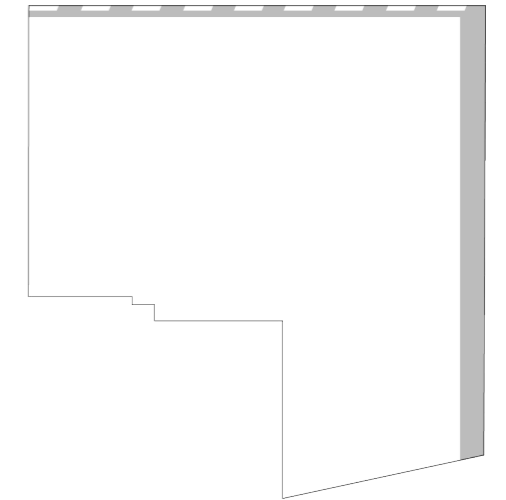
Fourth floor  
Summer time 01/07



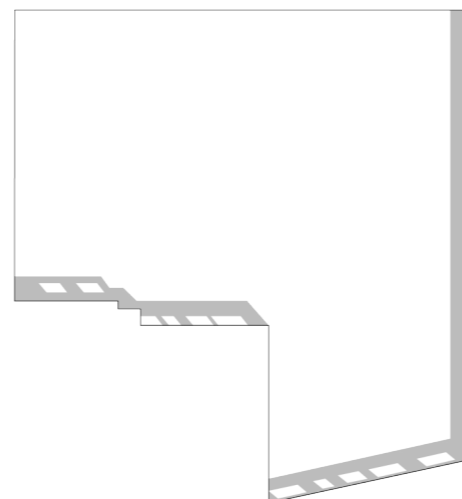
6: 00



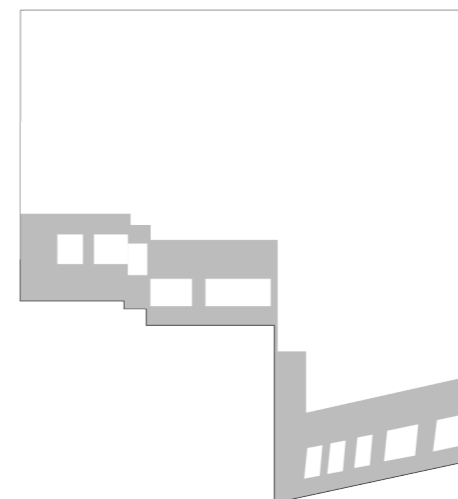
9: 00



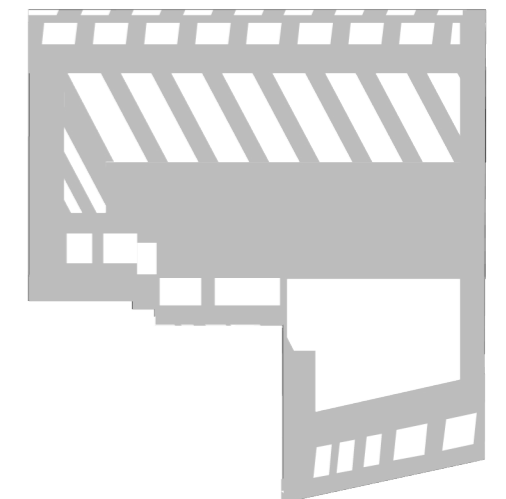
12: 00



15: 00

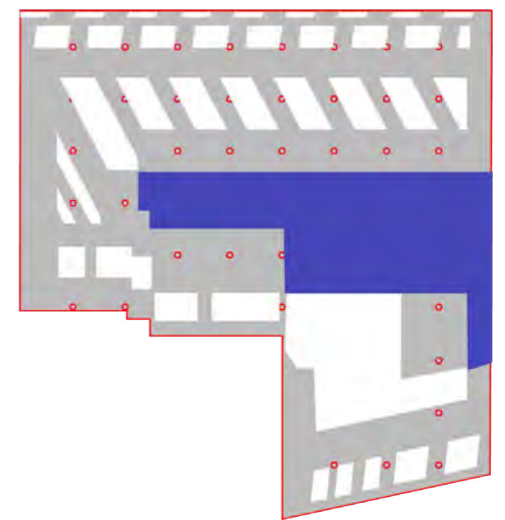
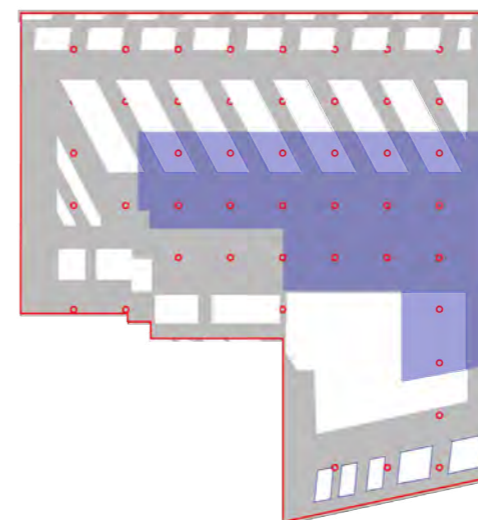
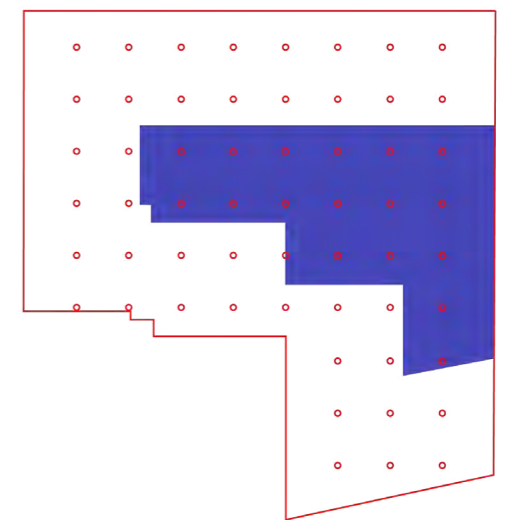
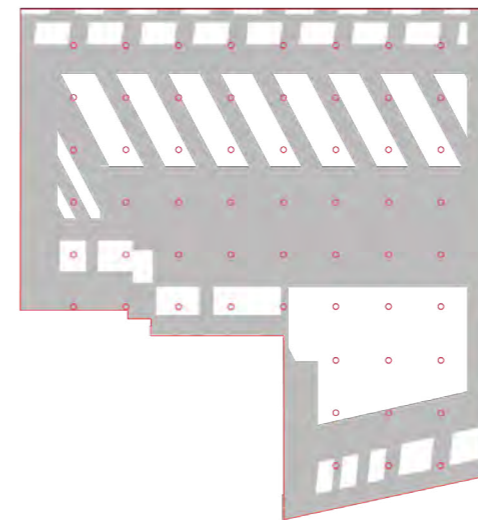
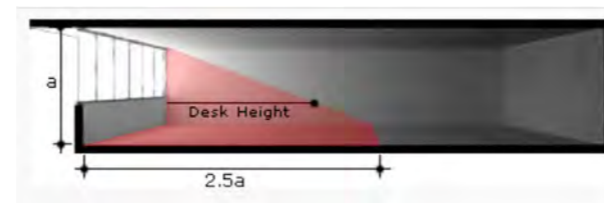


18: 00



## Challenge(Test Shadow)

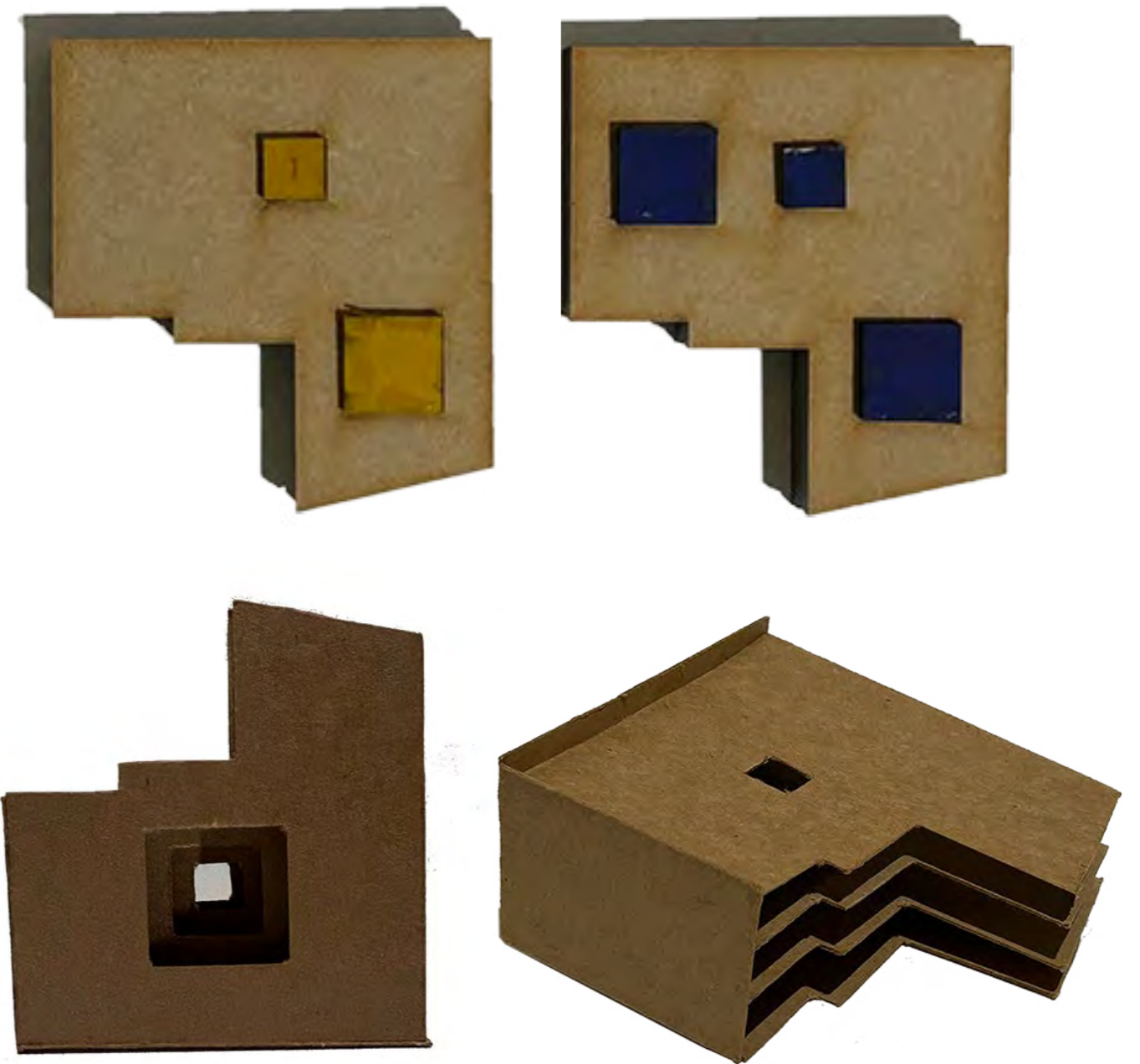
Based on the combination of solar testing and theory, the deepest point of the building is obtained.



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## Challenge(Space Division)

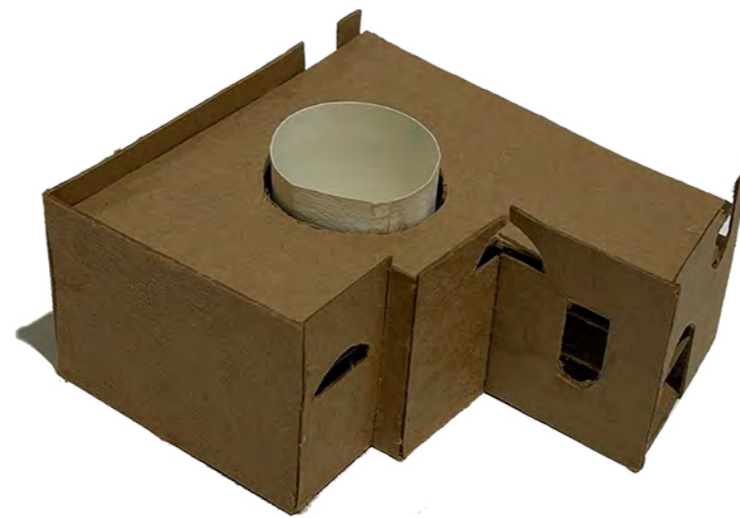
Response to Q2: Open the darkest part and introduce the courtyard.



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## Challenge(Space Division)

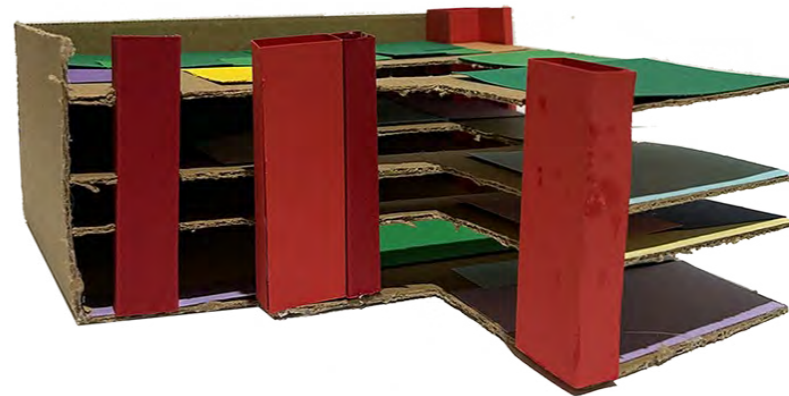
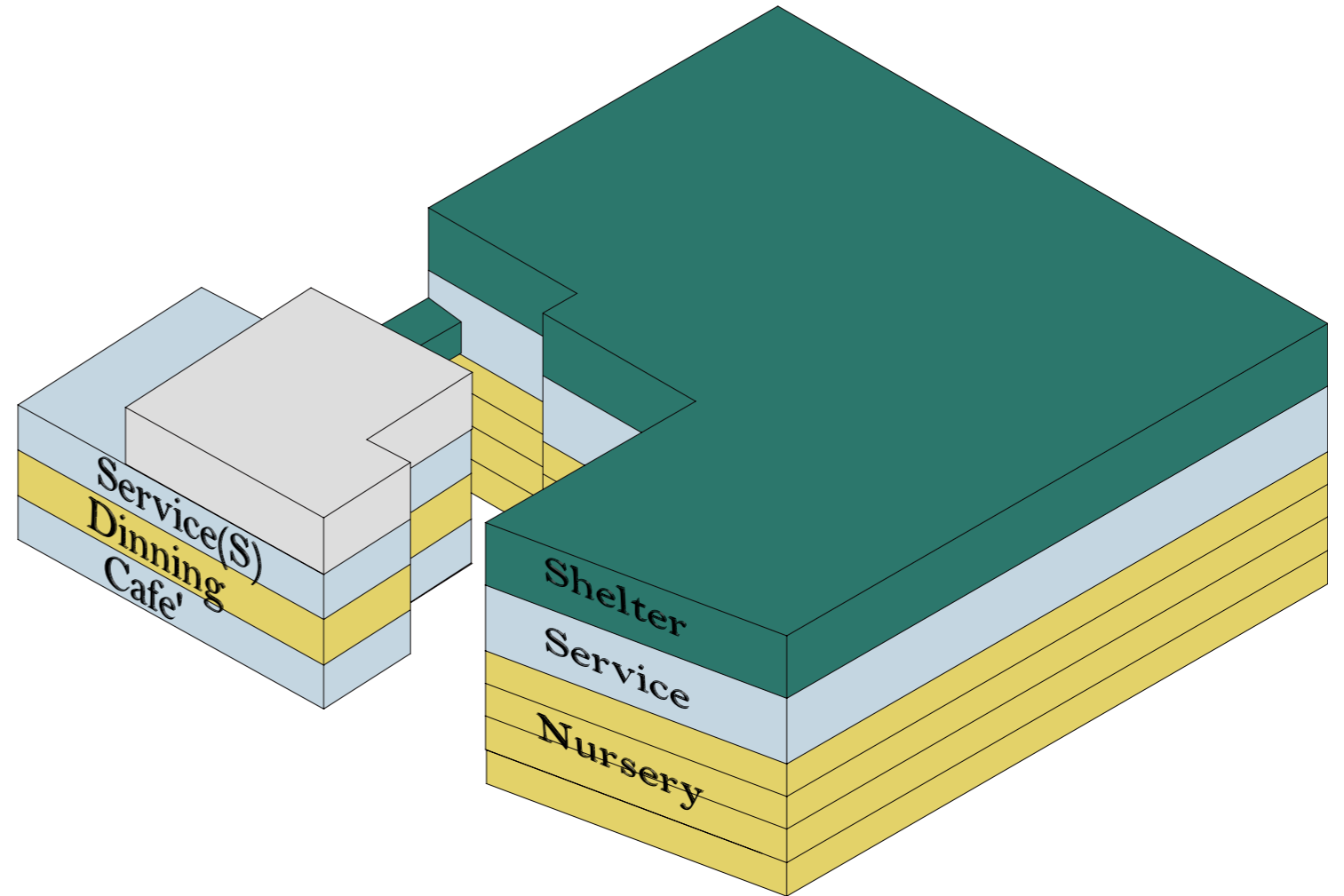
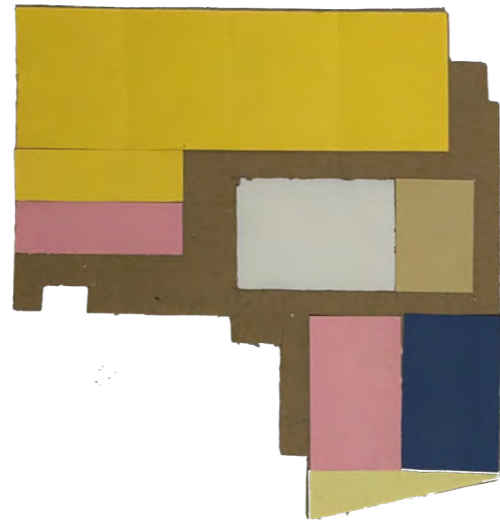
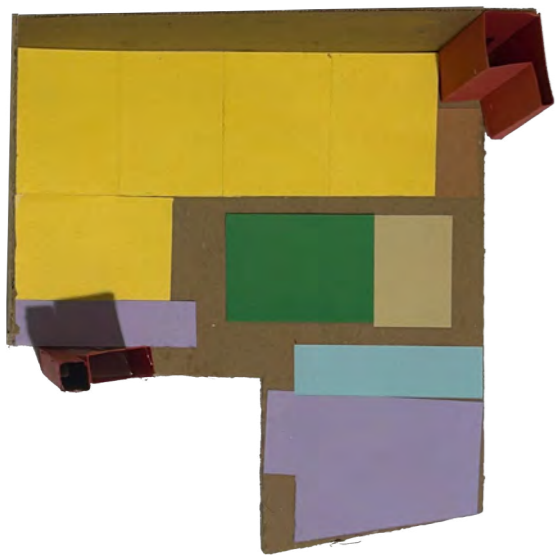
Experiment with yard size and shape.



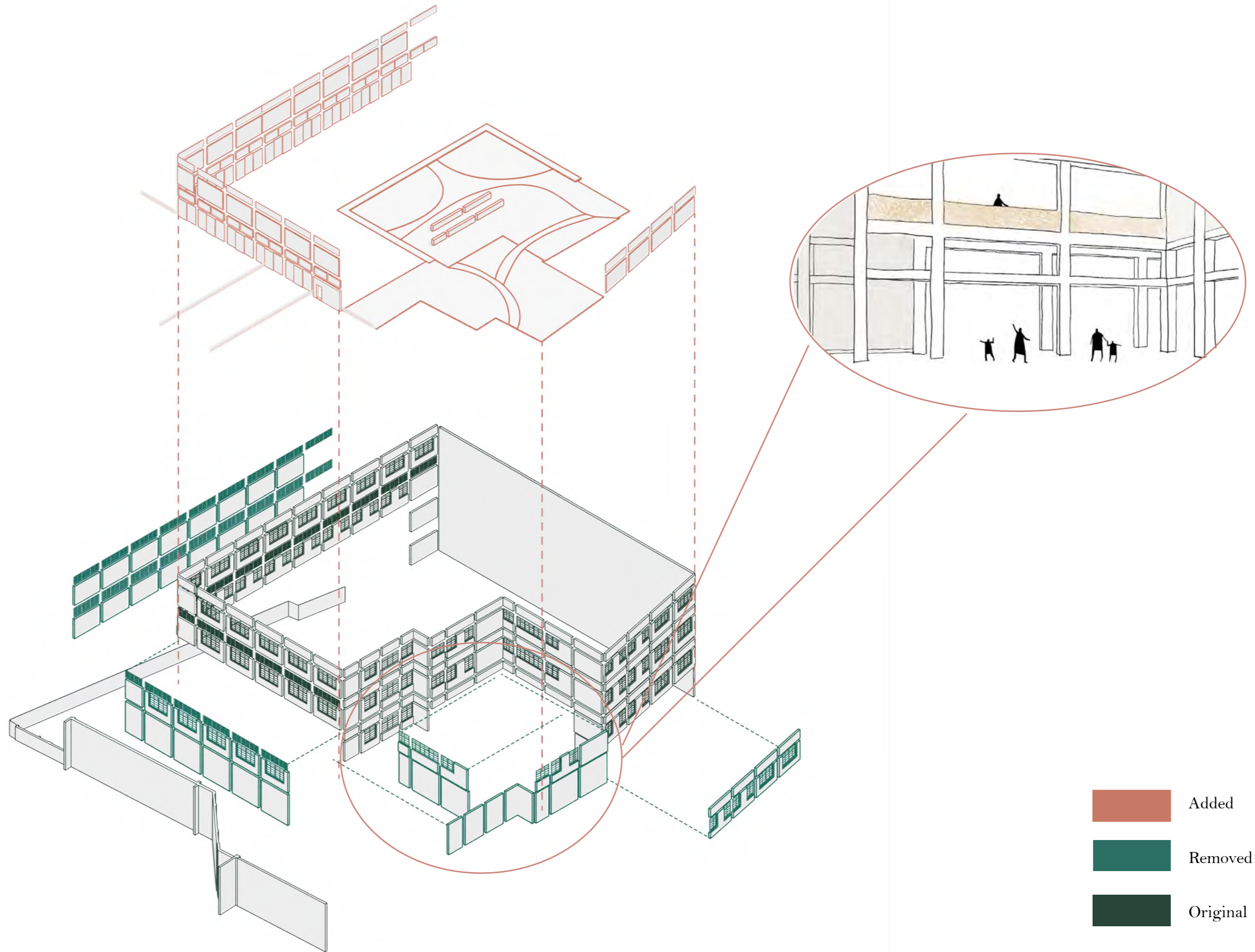
## Challenge(Space Division)

Create a landscape for children and shelter.

Determine the final partition.



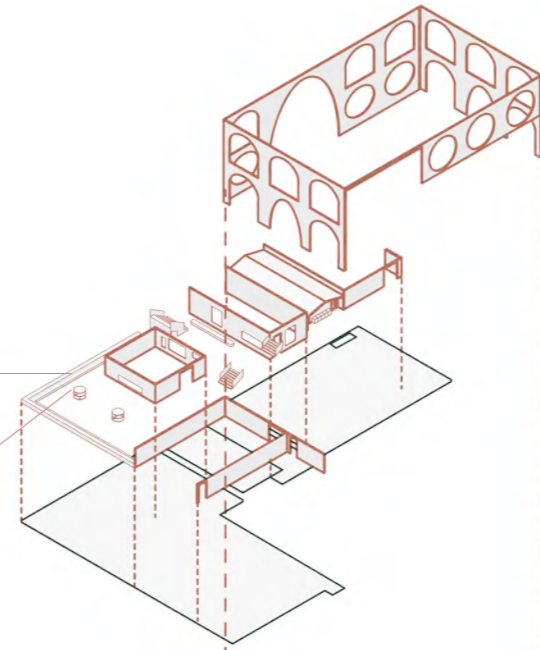
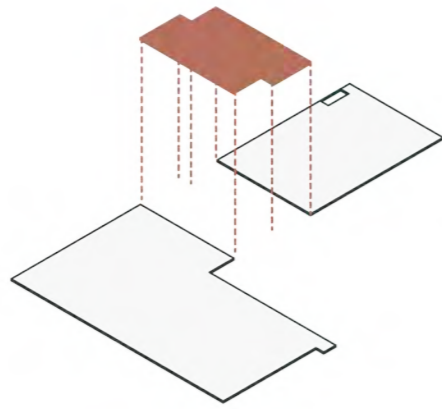
# Exploded View - Court yard



# Exploded View - Nursery

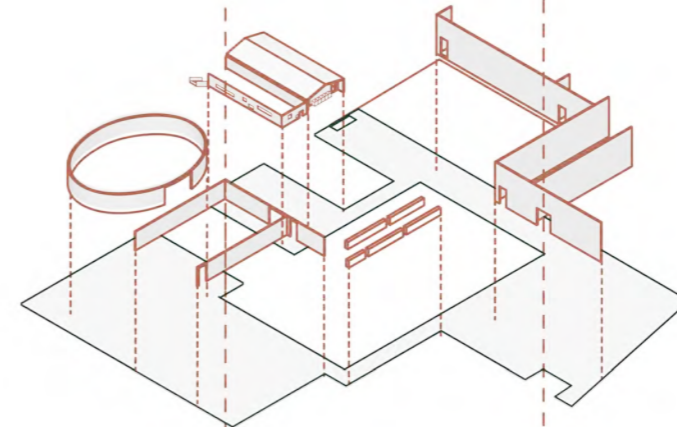
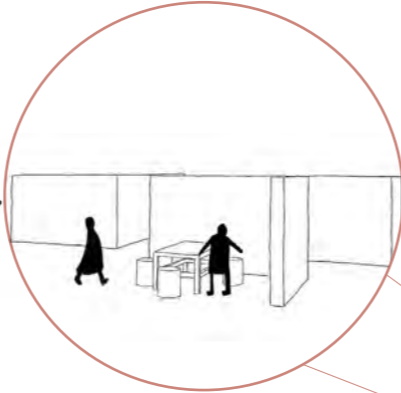
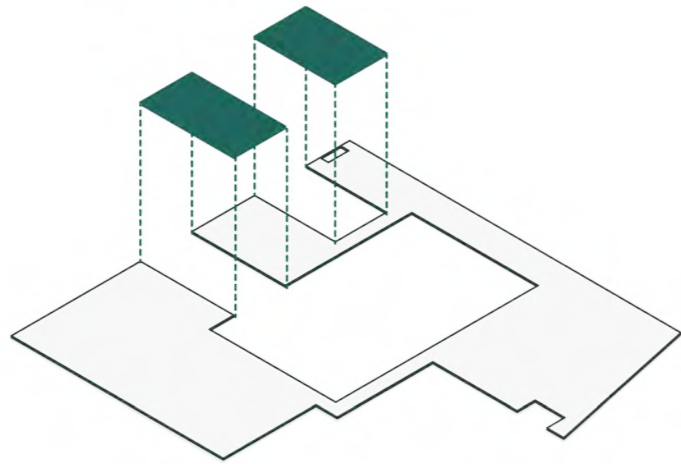
- Added
- Removed
- Original

1M



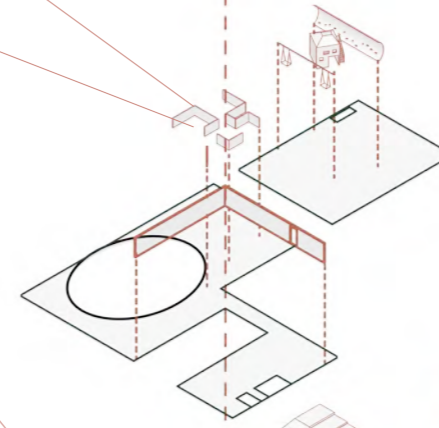
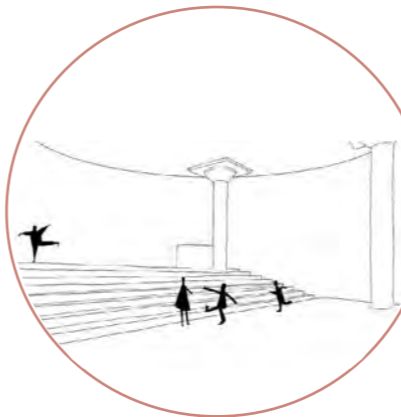
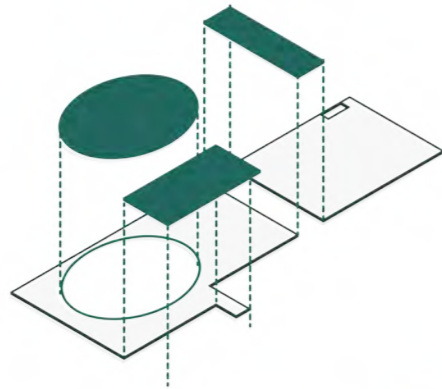
1M

1F



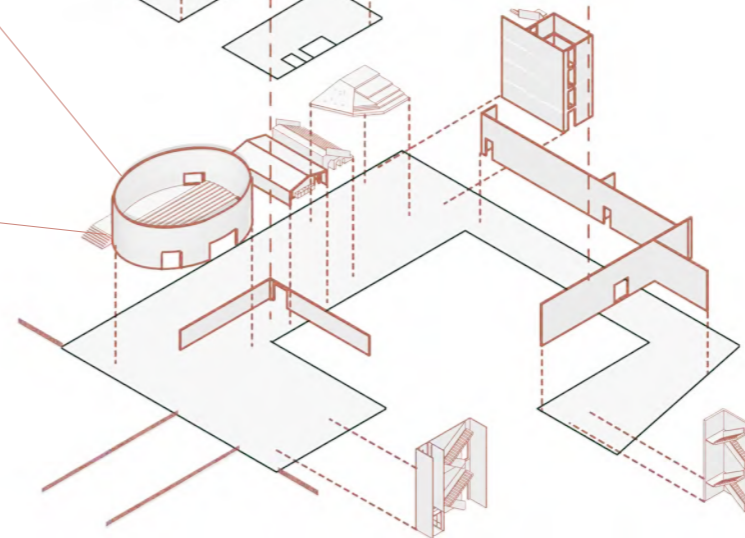
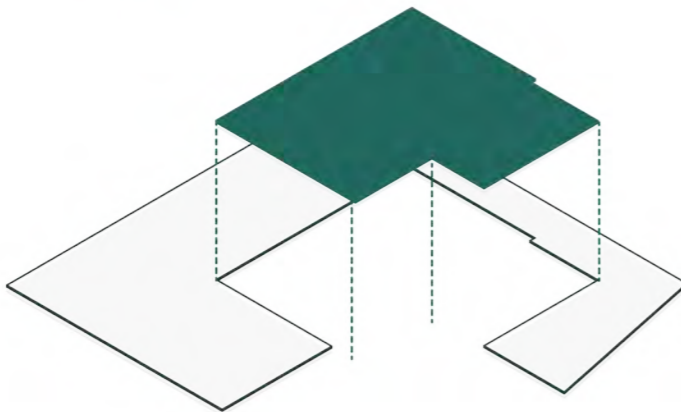
1F

GM

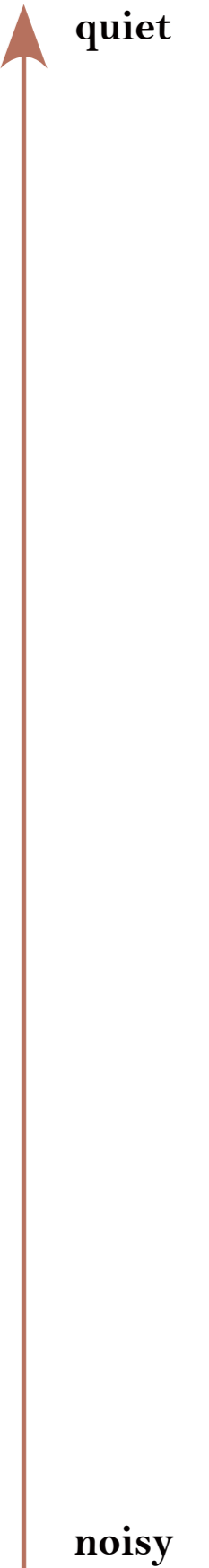


GM

GF



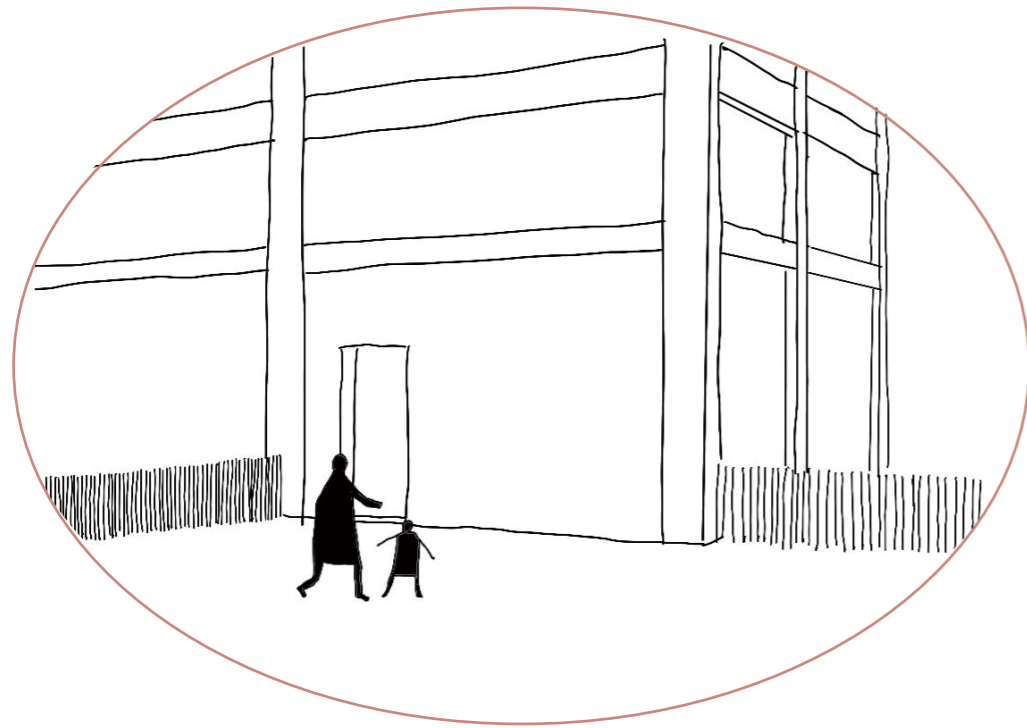
GF



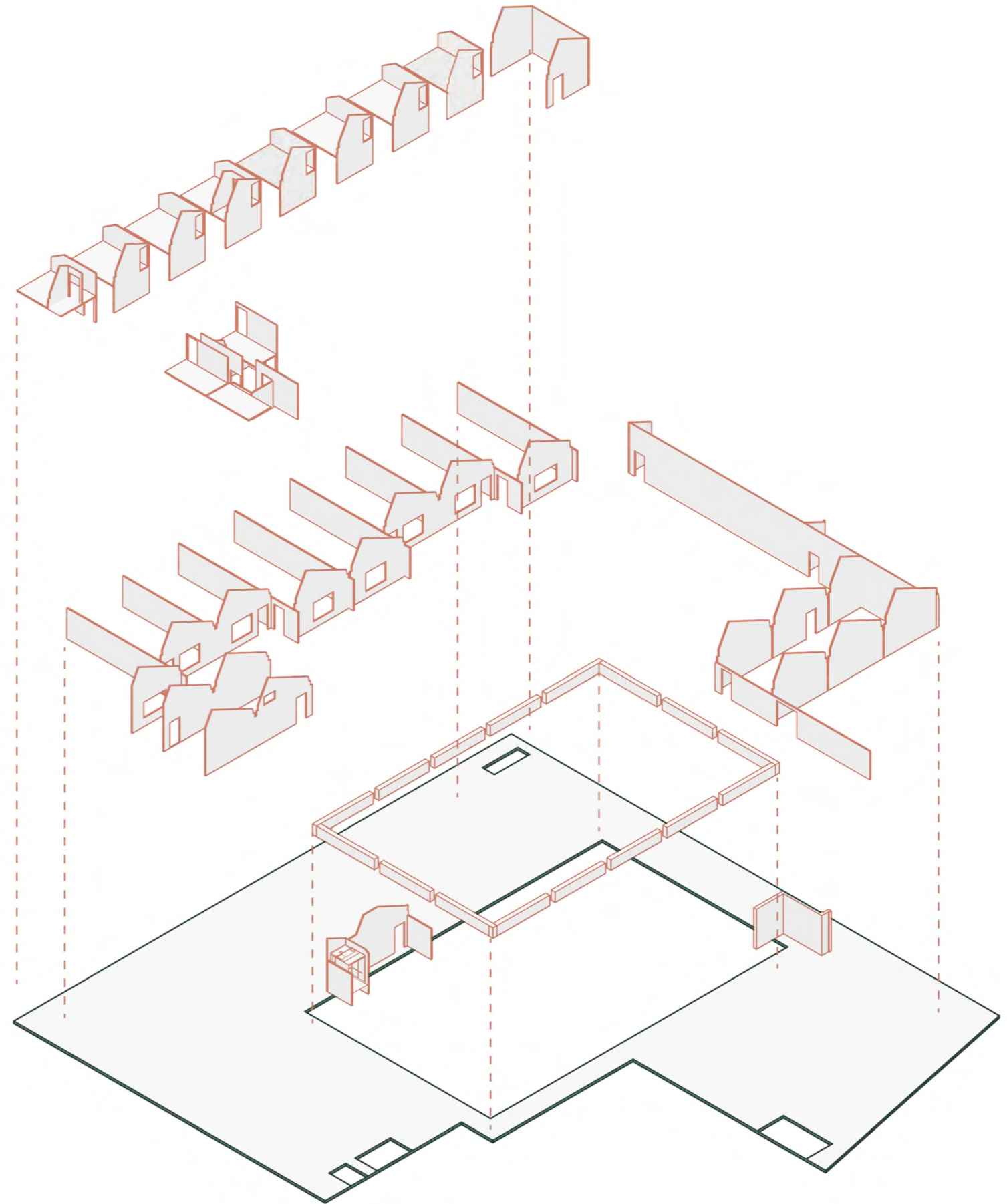
# Exploded View - Shelter

Added

Original



entrance











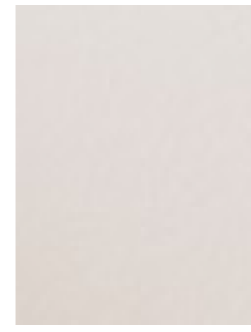
# A HOME FROM HOME



# Materials Analysis



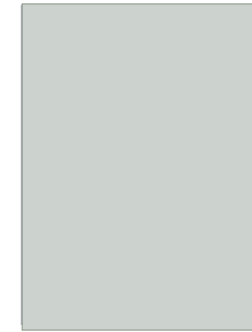
High transparency glass



Off white latex paint



Oak flooring



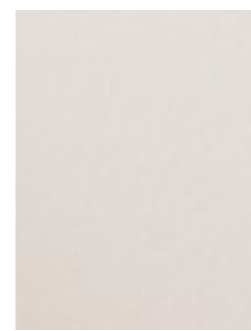
Light green latex paint



Imitation wood grain paint



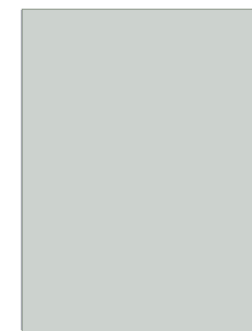
High transparency glass



Off white latex paint



Oak flooring



Light green latex paint



Imitation wood grain paint

# Materials Analysis



Maple wood



Light purple latex paint



Marble floors



Imitation wood grain paint



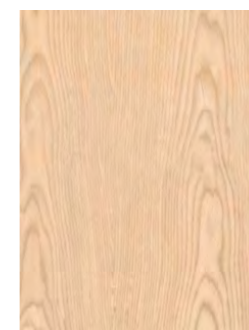
Off white latex paint



Imitation wood grain paint



Green latex paint



Peach wood flooring



Off white latex paint

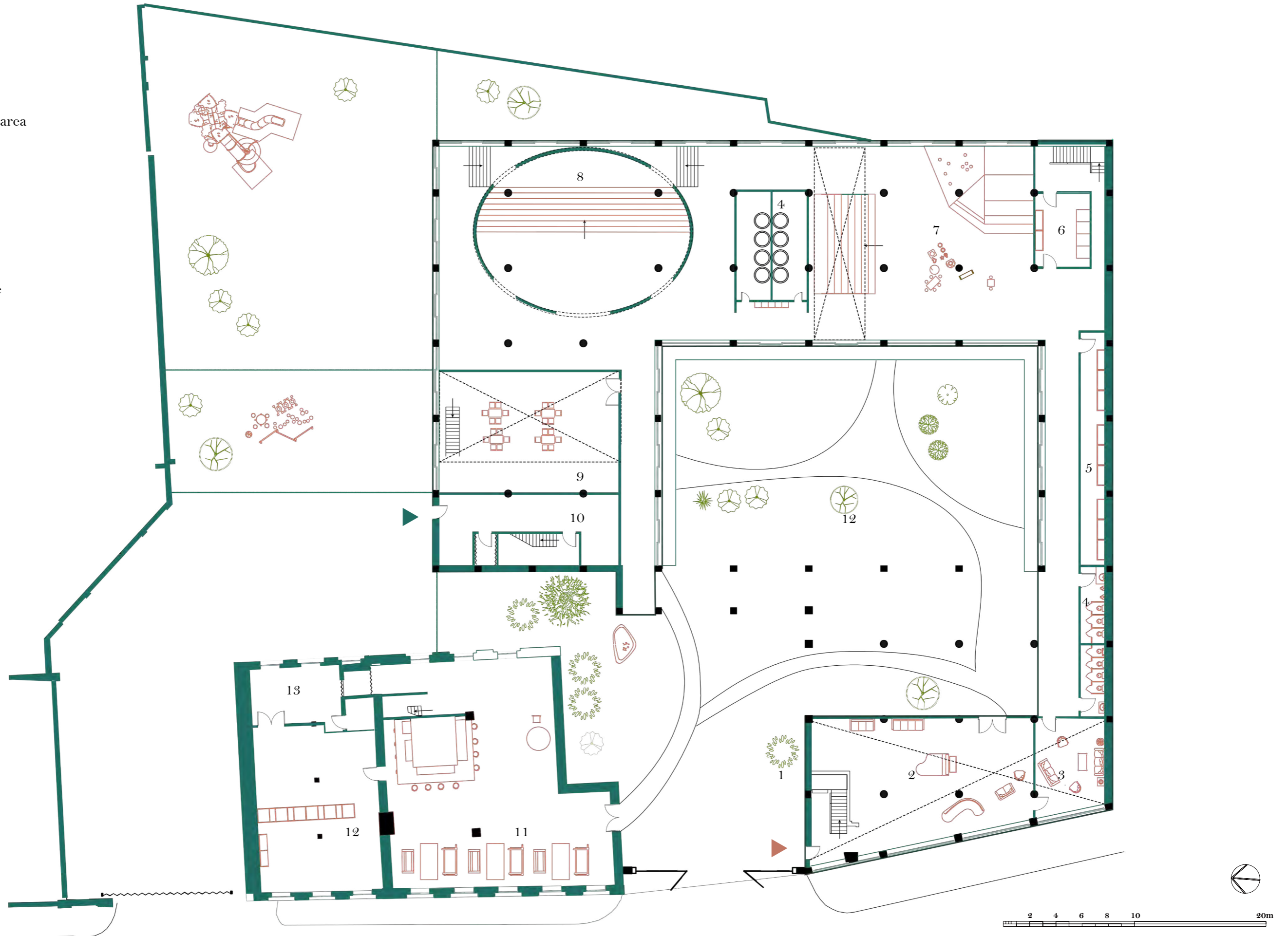


High transparency glass

# Plan

## Ground Floor

1. pick up-drop off area
2. reception
3. waiting room
4. toilet
5. machine
6. lanudry
7. move & make
8. storymaking
9. 1 year
10. shelter staircase
11. cafe
12. kitchen
13. pantry
14. court yard
15. toddler deck
16. preschool deck
17. 1 year deck

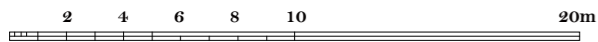
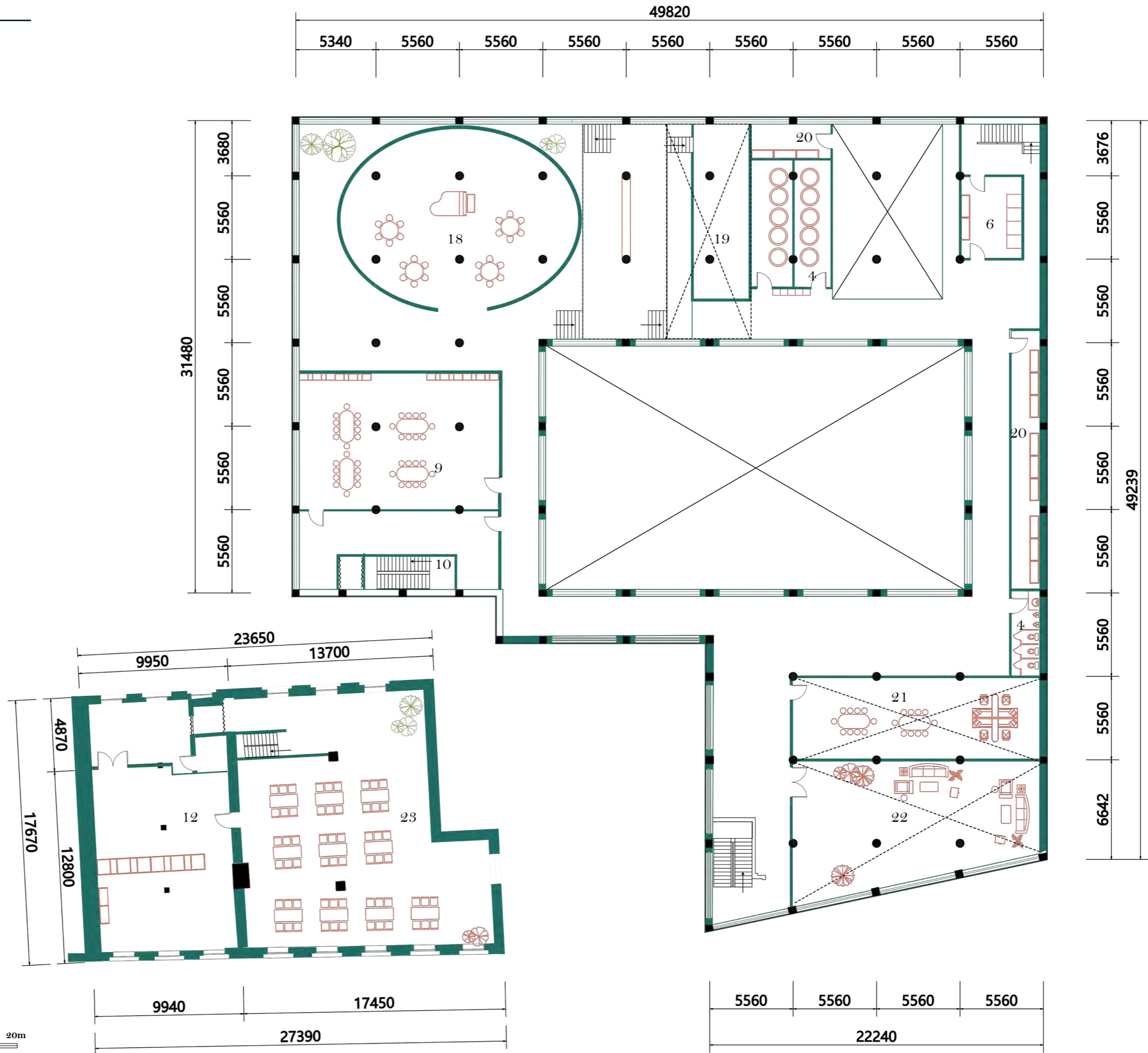




# Plan

## First Floor

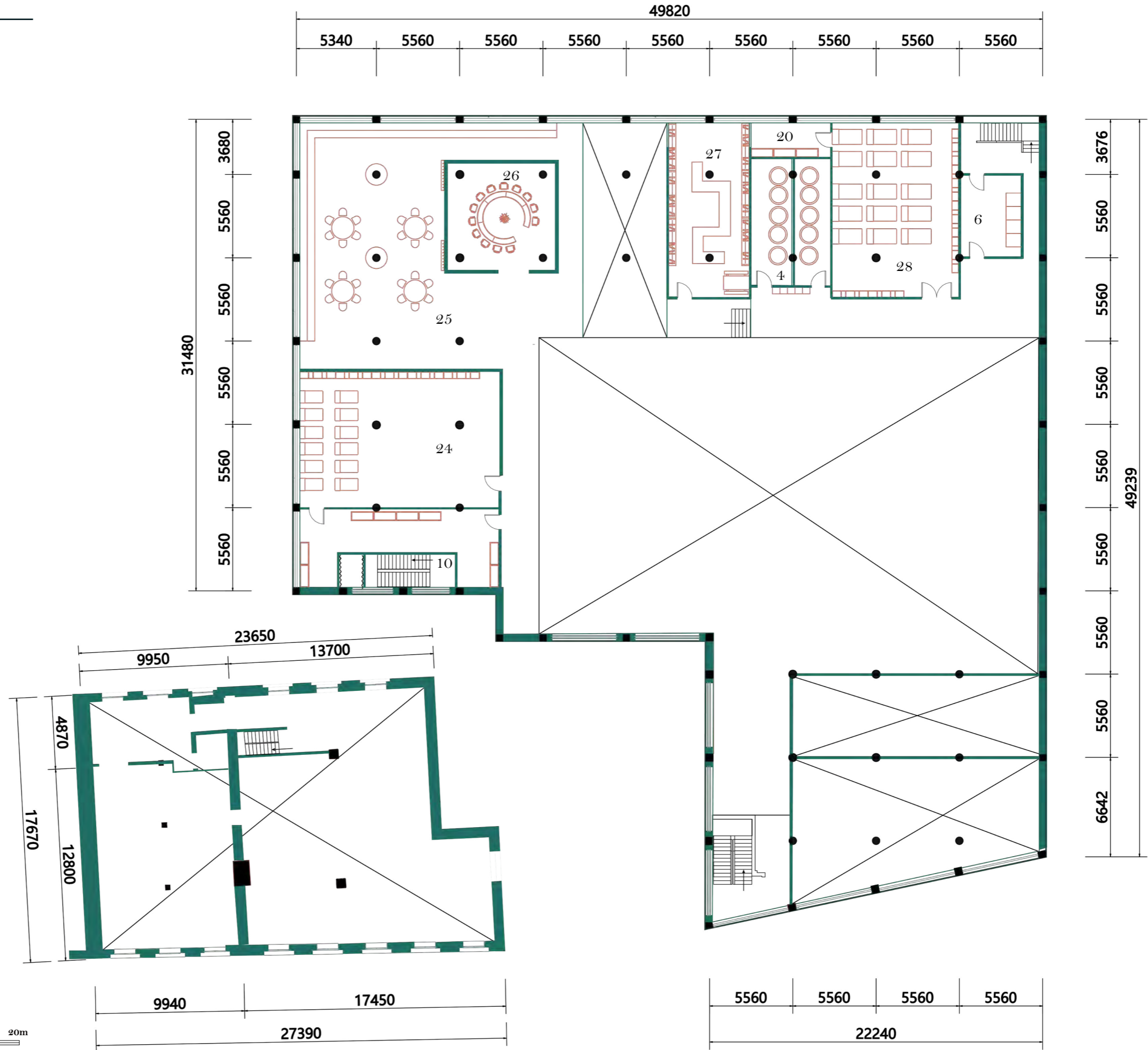
- 4. toilet
- 6. laundry
- 9. 1 year
- 10. shelter staircase
- 12. kitchen
- 18. music
- 19. cave
- 20. storage
- 21. temporary nursery space
- 22. sun room
- 23. dinning



# Plan

## First Floor Mezzanine

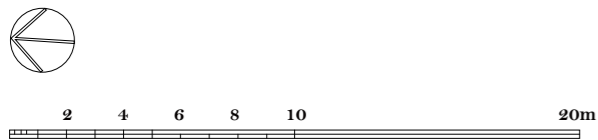
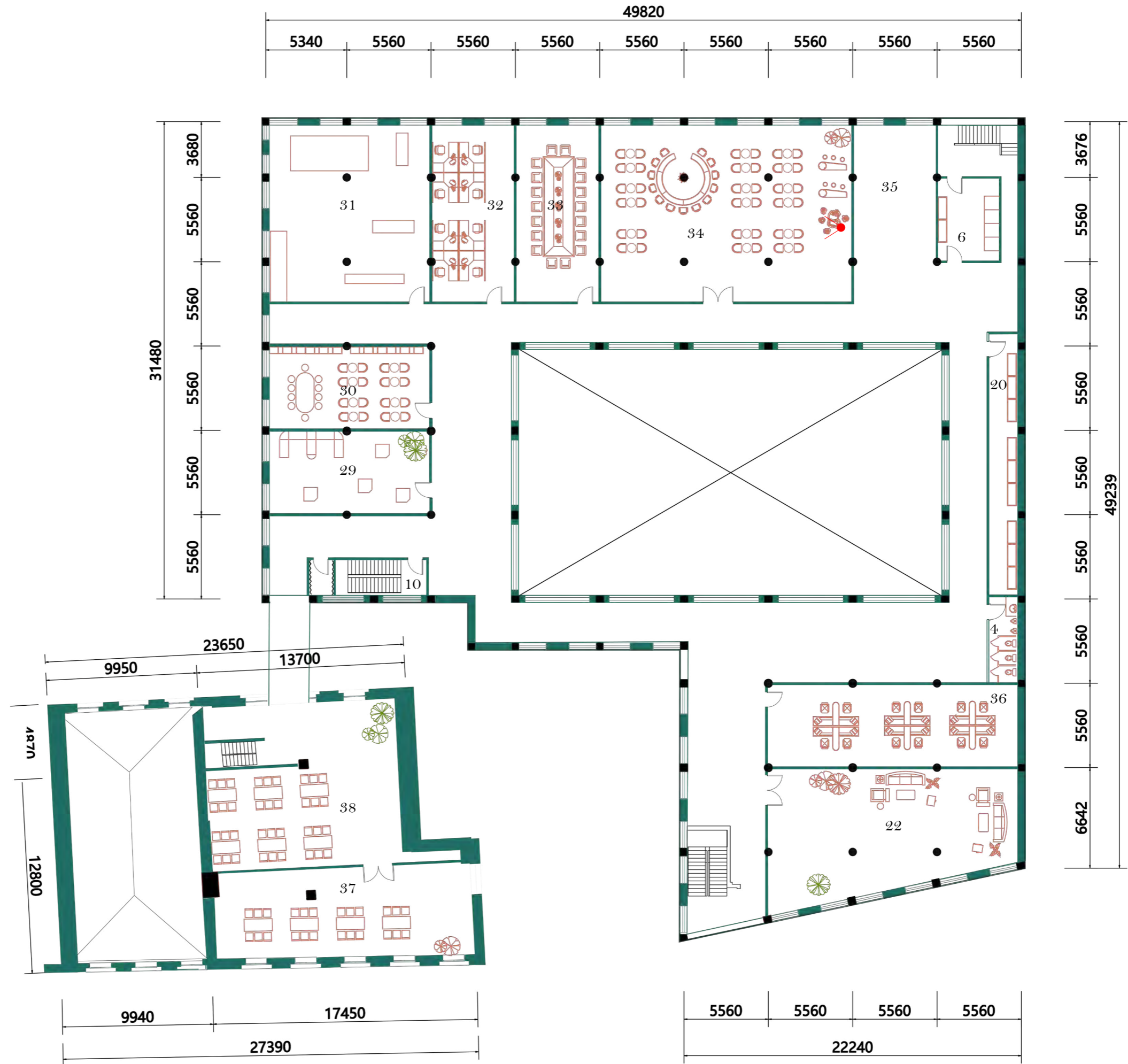
- 4. toilet
- 6. laundry
- 9. 1 year
- 10. shelter staircase
- 12. kitchen
- 20. storage
- 24. babies
- 25. art
- 26. clay
- 27. read
- 28. sleep



# Plan

## Second Floor

- 4. toilet
- 6. laundry
- 10. shelter staircase
- 20. storage
- 22. sun room
- 29. playroom
- 30. reading room
- 31. staff bedroom
- 32. multifunctional space
- 33. meeting
- 34. clinic
- 35. lobby
- 36. office
- 37. classroom
- 38. law aid

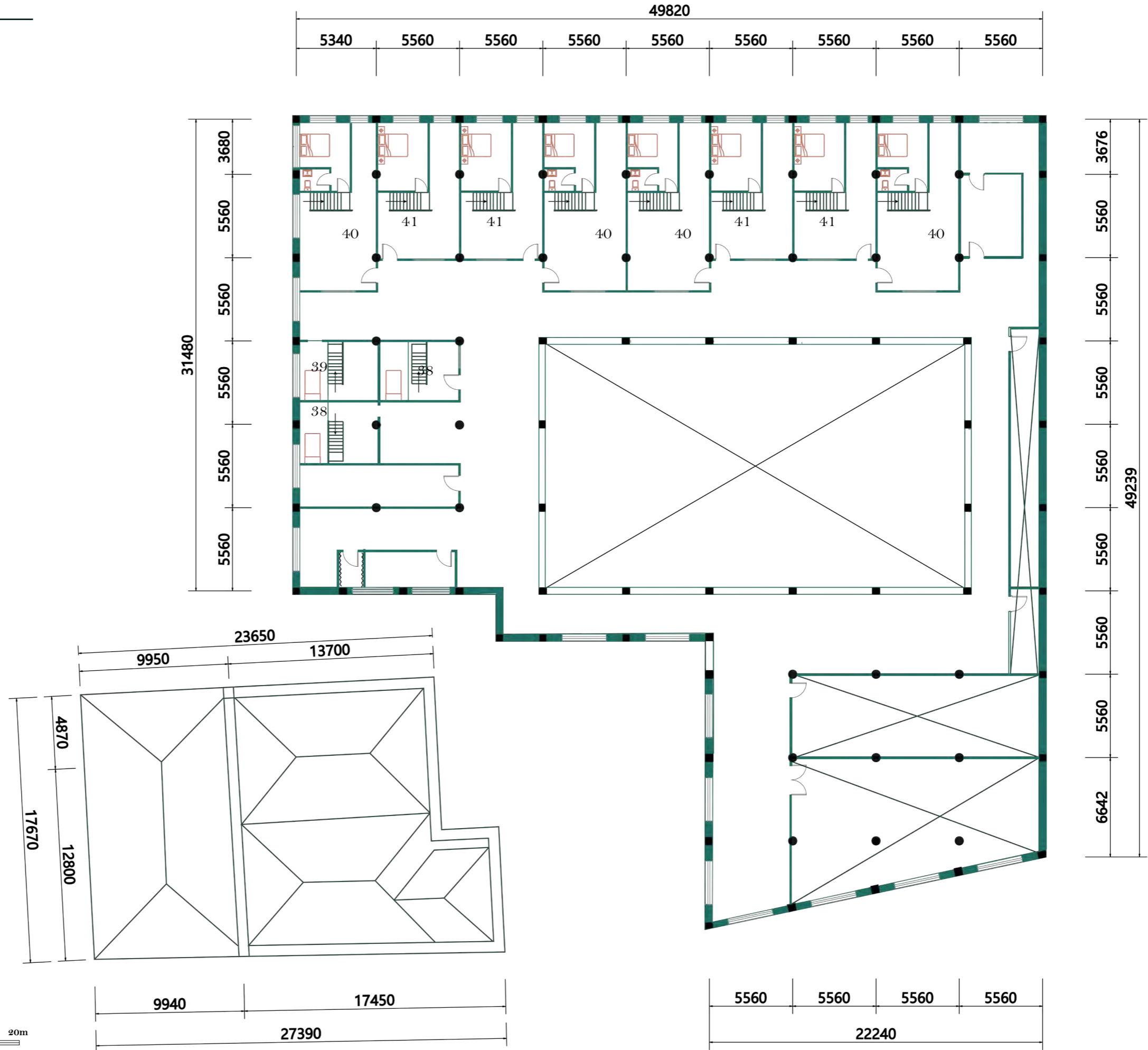




# Plan

## Loft

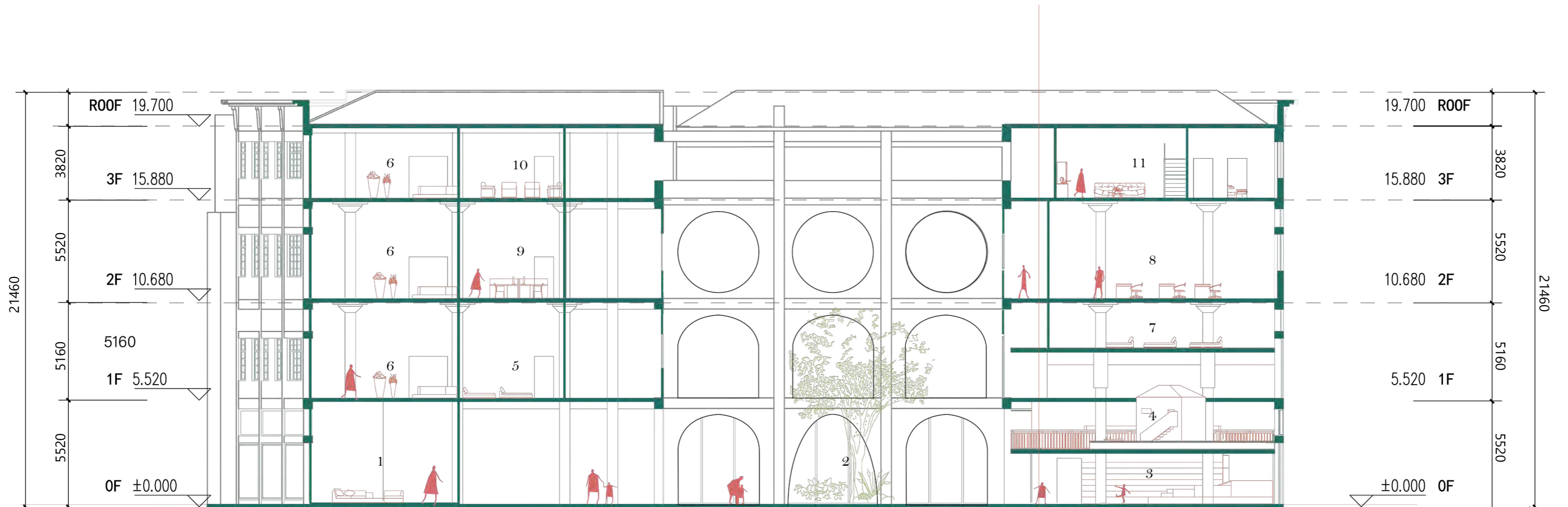
- 38. studio
- 39. emergency
- 40. 4-5 person room
- 41. 2-3 person room





# Section 1:200

- 1. reception
- 2. court yard
- 3. move & make
- 4. adventure
- 5. temporary nursery space
- 6. sun room
- 7. sleep
- 8. clinic
- 9. office
- 10. common area
- 11. 4-5 person room

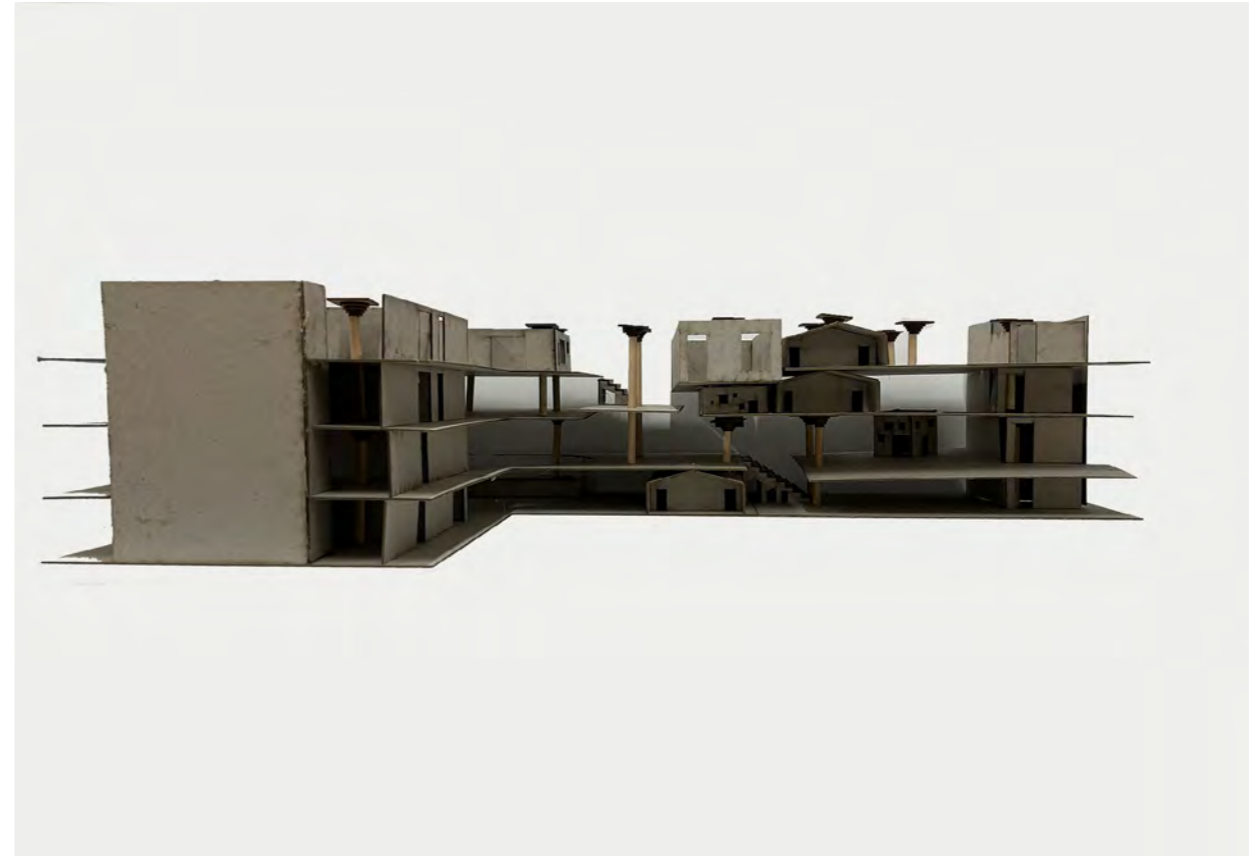
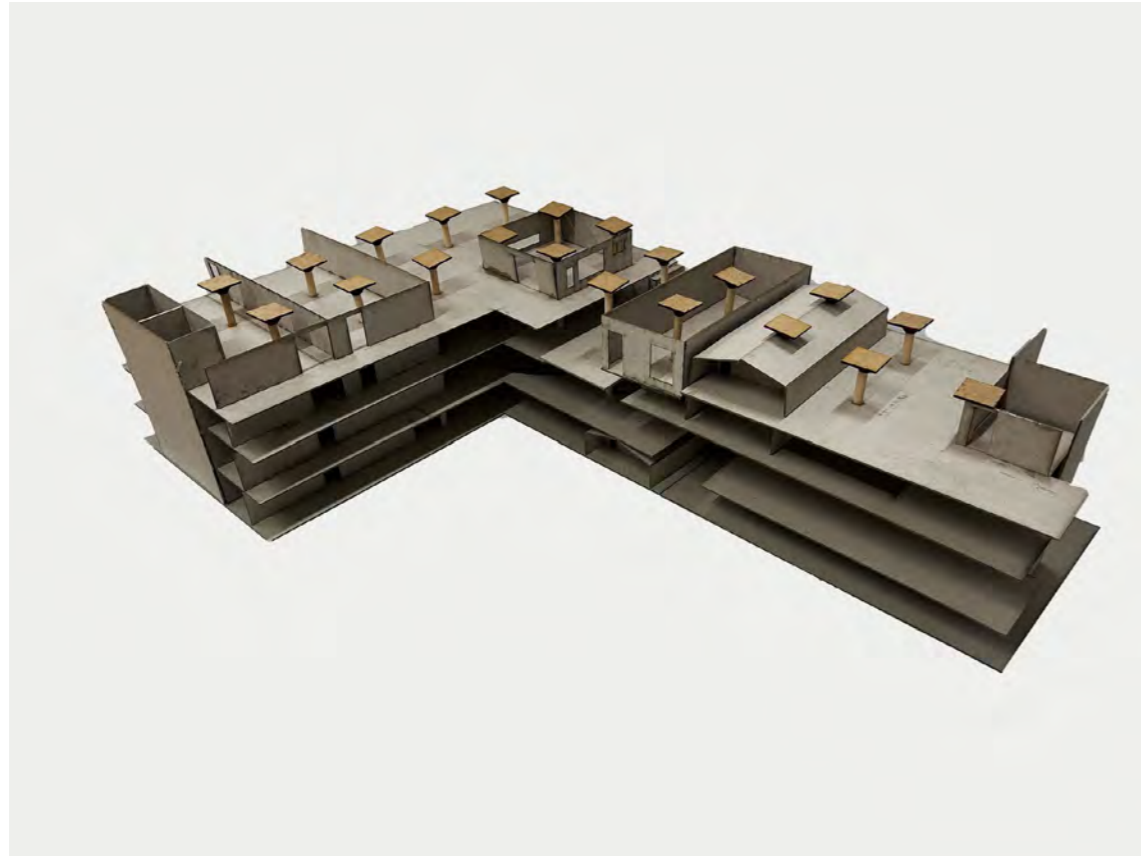


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# Elevation



## Previous Model



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# Model



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# Model

