My main concept is to fix the relationship between Anfield and residents. The relationship between residents and Anfield is just like a couple in terms of historic perspective. Residents stands for girl, and Anfield stands for boy.

At the very beginning, the young couple falls in love. Love at the beginning is the sweetest fruit. (In 1850s, Anfield was quite rich, and there were only some well built villas and a large area of farm land.) After getting together and living together for few years, they were still in love, but the freshness of love gradullay faded. (1900s, villas and farmland were placed by terraced houses due to the rapidly urban sprawls.)

Their shortcomings/ flaws of each other gradually exposed and there was always some misunderstanding in daily life. They start to have a quarrels and arguments with each other. (1950s, the adverse effect of terrace house and industry pollution made the resident suffered.)

Then, they started a cold war to each other. They did not talk to each other anymore, more there are still love in their heart. They just cannot let go. (2000s(now), even though the residents live in a poor living condition, most of them chose to stay because they born there and love there, and hope this place can become better.)

Hopefully, they will finally solve the misunderstandings and get back together. (In near future, the place will become a better place for residents to live because of city council's proposal and this housing project will be part of it.)

Firstly, I calculated the area of the site. Then I counted the original housing density (How many people can live here maximum). After that, I improved 20% of the residents to meet our requirement, and then I check the building design handbook to see the standard occupied area for different types of apartments.

Then I used some modular cubes to stand for different type of apartments. Initially, I got 3 type of apartment: 1 bedroom apartments, 2 bedroom apartments and 3 bedroom apartments. I put them on site to explore different possibilities. each massing model has its own meaning. Then I will mix the idea and information I get during my exploration for the later developed design.

This semester's site is next to semester one, so site information can refer to semester one's site analysis.

= 3 bedrooms apartments X 4

= 1 bedrooms apartments X 4

= 2 bedrooms apartments X 4

1. SENSE OF SCALE

Using singular type of housing to fill the site to have a sense of scale (without the consideration of circulation and public space). Even though it will not ve my option for further exploration, it is a useful starting point to me.

2. COURTYARDS

Massing model basing on courtyards space for people with singular type of building.

3. HEIGHT OF SURROUNDING

This massing model is basing on the surrounding buildings' trends of heights.

4. MAXIMIZE NATURAL LIGHT

This massing is created to maximize the natural light.

5. CONSIDER THE CONTEXT

This massing is about mix use of apartments and houses.

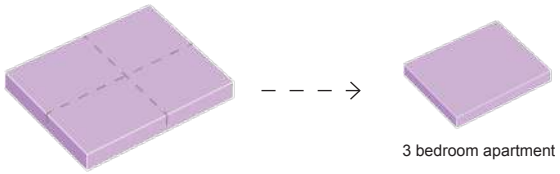
6. PRIVATE AND PUBLIC

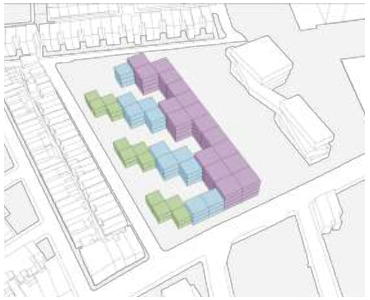
This massing is about privacy and publicity.

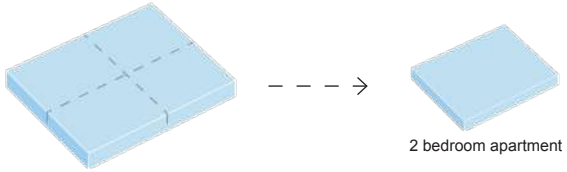
7. MIX OF DIFFERENT TYPES

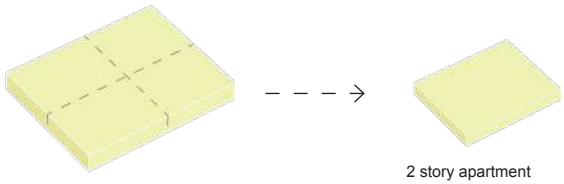
This massing is about on different floor, there are different type of apartment.

DEVELOPED MASSING (AFTER INTERIM)









1. relate to my precedent, intial idea, permeable and modular.
2. Gradually getting higher from west to east, as context
3. From open to enclosed, privide public space (courtyards) and privacy.

Then continuing to shape it according to site condition, environmental analysis etc.

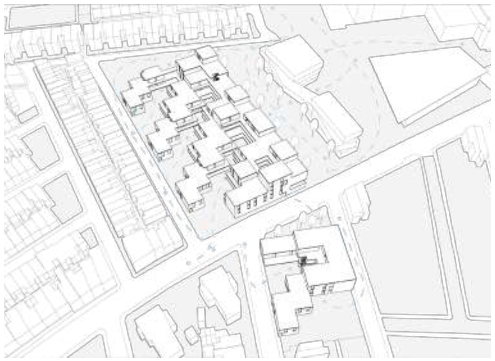
I realized that I needed to have a more detailed and improved massing models. Hence, I decided to broke down my original 'modular cubes'. Using one cube to stand for one apartment instead of 4 apartments, which could be more accurate during my explorations and also more flexible and I can come up with more possibilities.

In addition, it does not mean I discarded the previous work, and I still applied the idea and strategies (context information, solar, permeability etc.) from my previous experiment to make the project to fit in the context and also improve its environmental performance.

Summer wind comes from the west site; Winter wind comes from southeast. The enclosed and higher east side shield wind in Winter. The open and lower west side invite wind to come through to take away heat in Summer.

Greent roof can help improve reisidents' mental health, and it is natural ventilation. It can also collect rain water instead of letting rain to drains.

FUNCTIONAL MAPPING



As intial idea, it is really residetns' friendly, flexible and permeable. The flow of people is flexible and also in order with control

Sunlight was carefully considered during the whole design, to make sure each apartment at has two wall can access natural light. the depth of building is strictly controlled to ensure sufficient daylight.

UNITS PLANS

Duplex (Ground Floor)

Duplex (First Floor)

One Bedroom Apartment

Two Bedroom Apartment

Three Bedroom Apartment Ver. 1

Three Bedroom Apartment Ver.2

GROUND FLOOR PLAN

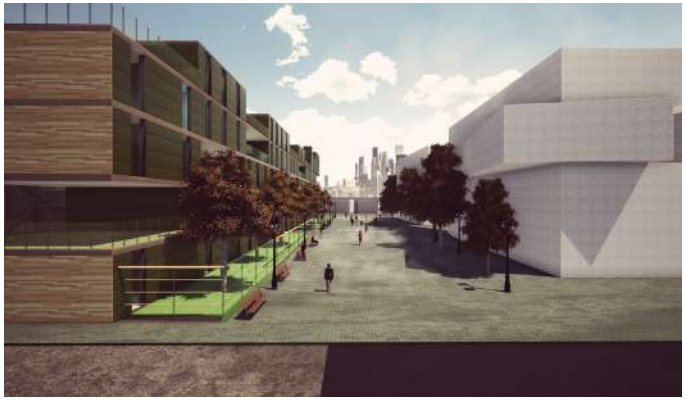
EAST ELEVATION

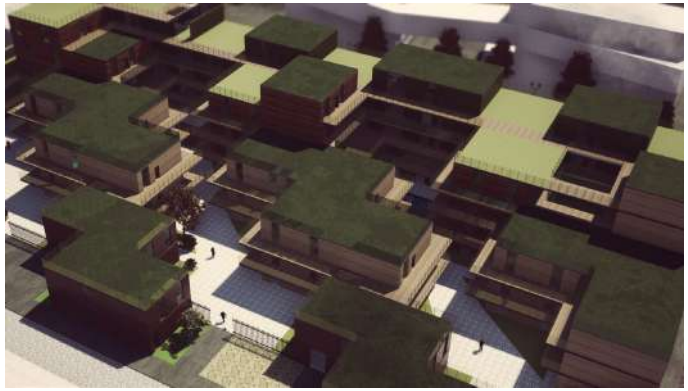
SECTION AA

SECTION BB

SECTION CC

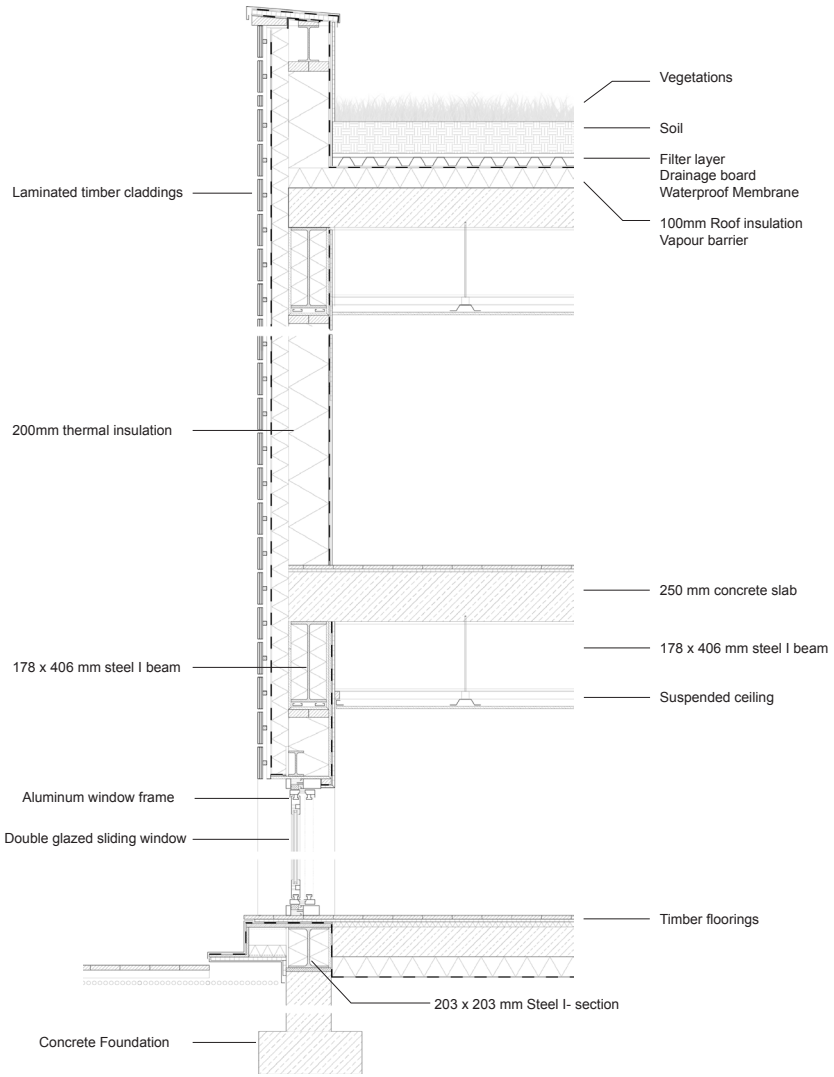
PERSPECTIVE VIEW





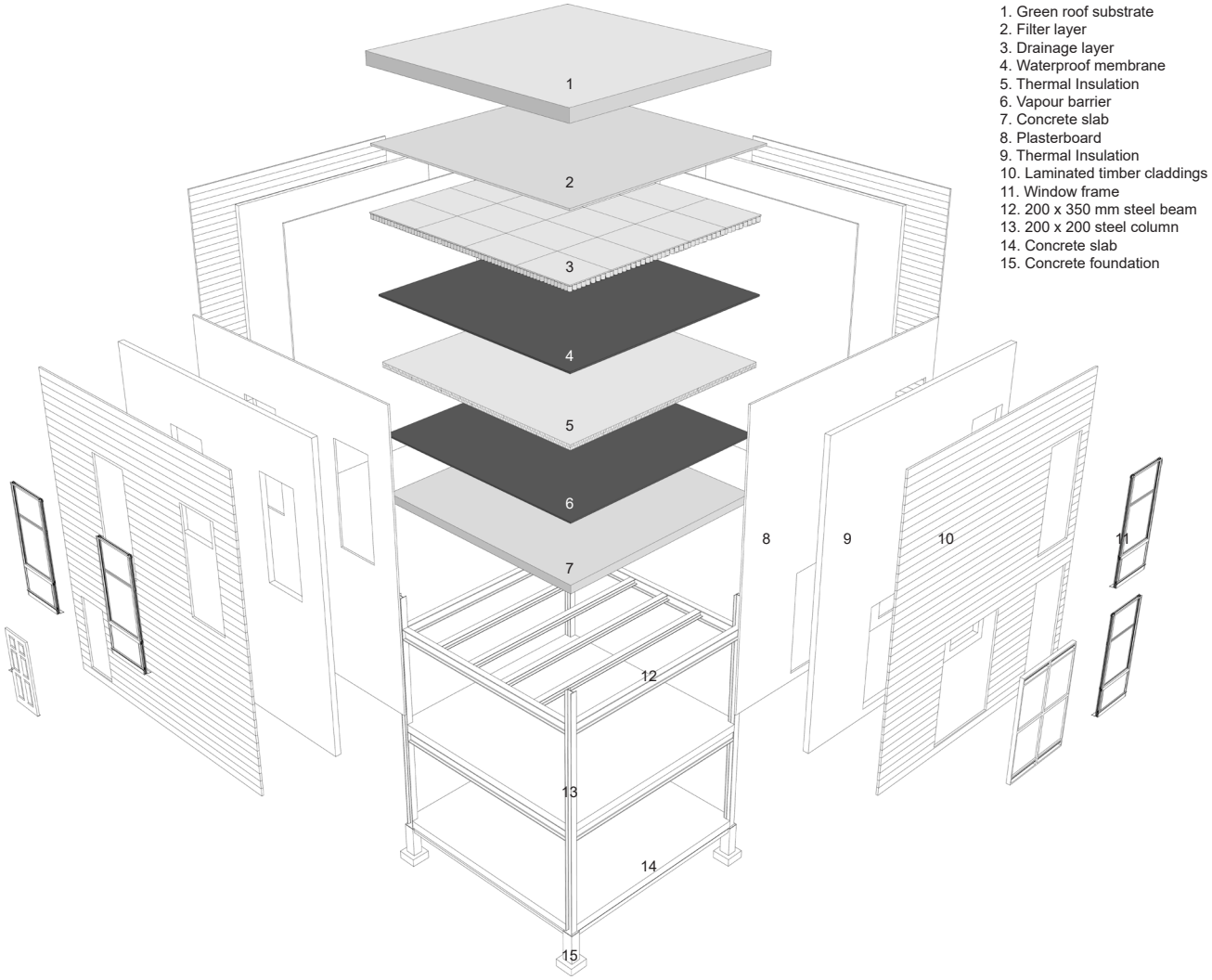
CONSTRUCTION DETAIL 1: 20

TYPICAL SECTION THROUGH EXTERNAL WALL



EXPLODED AXO

MATERIAL AND STRUCTURE



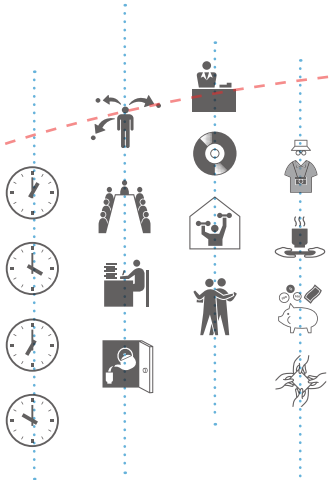
1. Green roof substrate
2. Filter layer
3. Drainage layer
4. Waterproof membrane
5. Thermal Insulation
6. Vapour barrier
7. Concrete slab
8. Plasterboard
9. Thermal Insulation
10. Laminated timber claddings
11. Window frame
12. 200 x 350 mm steel beam
13. 200 x 200 steel column
14. Concrete slab
15. Concrete foundation

VISITOR CENTER DESIGN

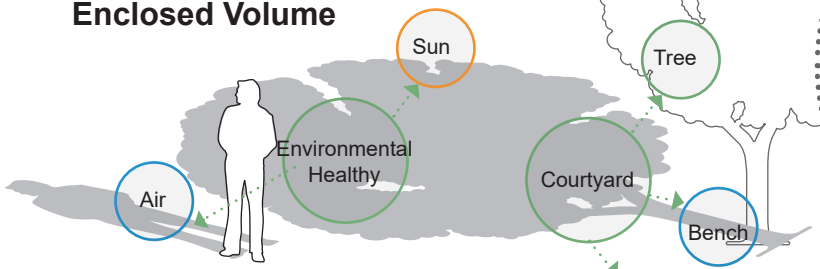
The United Kingdom Liverpool Paddington Site

Multifunctional Space

The visitor center will be used to educate the public and serve as a meeting point for tunnel tours, as well as a permanent base for the volunteers still digging at the sites. At the same time, it is designed to include communal spaces that offer places where they can come together around various activities.



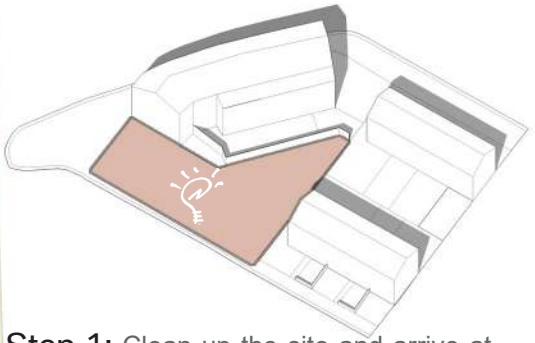
Enclosed Volume



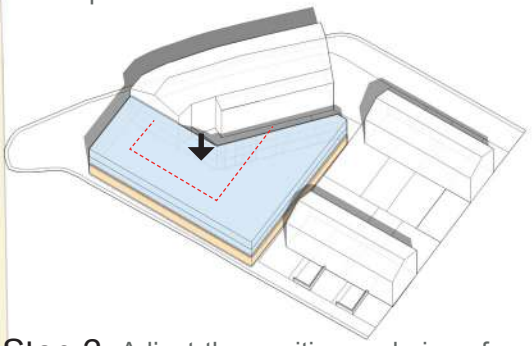
Urban Context

taking into consideration the width of the plot, it is chosen to place the building at the plot limit, as if it were a wall, in order to gain empty space for the patio area. It prevails the notion of privacy and protection of the external reality, to establish a building that favors both social interaction and the introspection of the individual.

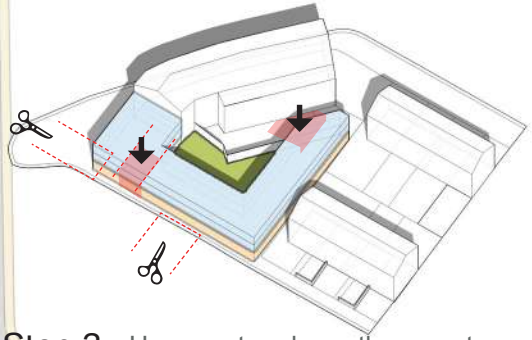
SITE PLAN 1:500



Step 1: Clean up the site and arrive at the scope of construction.

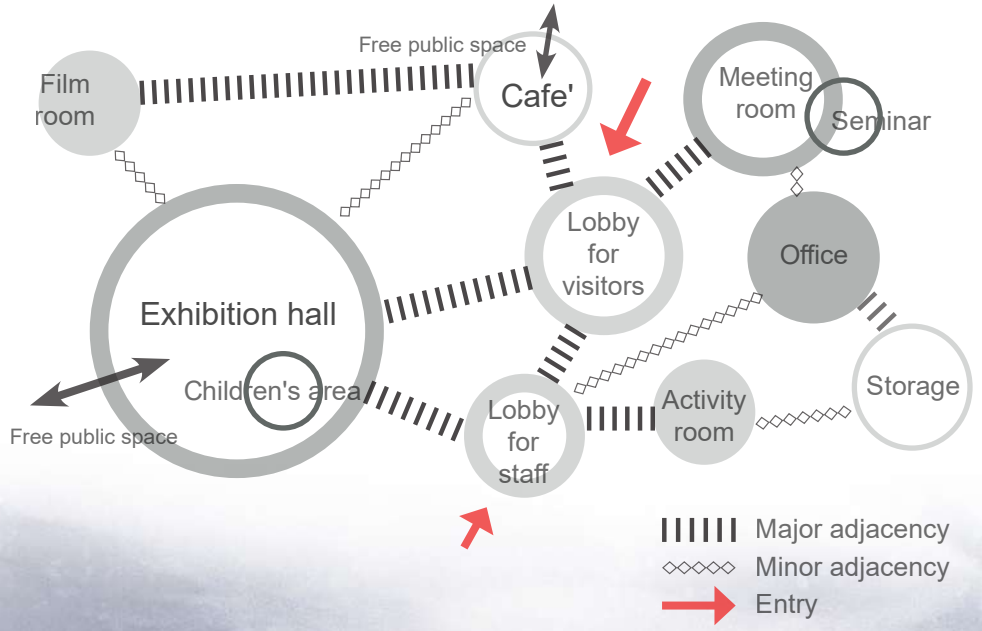


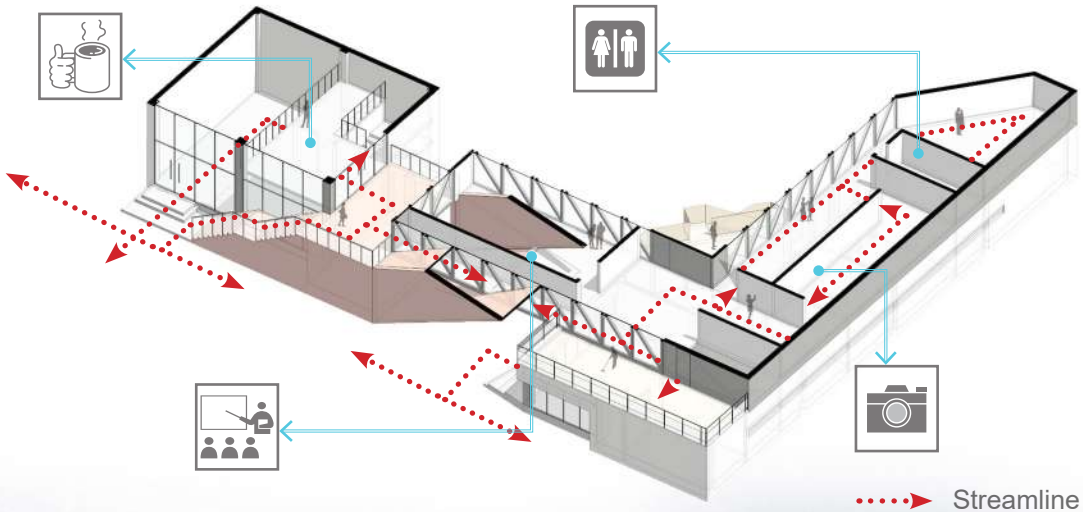
Step 2: Adjust the position and size of the volume on the basis of requitment.



Step 3: Use courtyards as the core to arrange the volume.

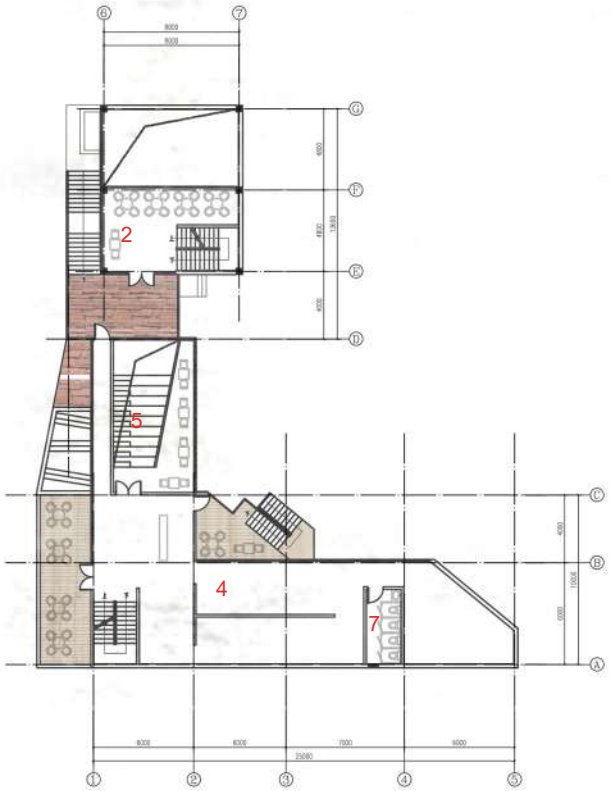
Step 4: The central courtyards are arranged according to the functions.



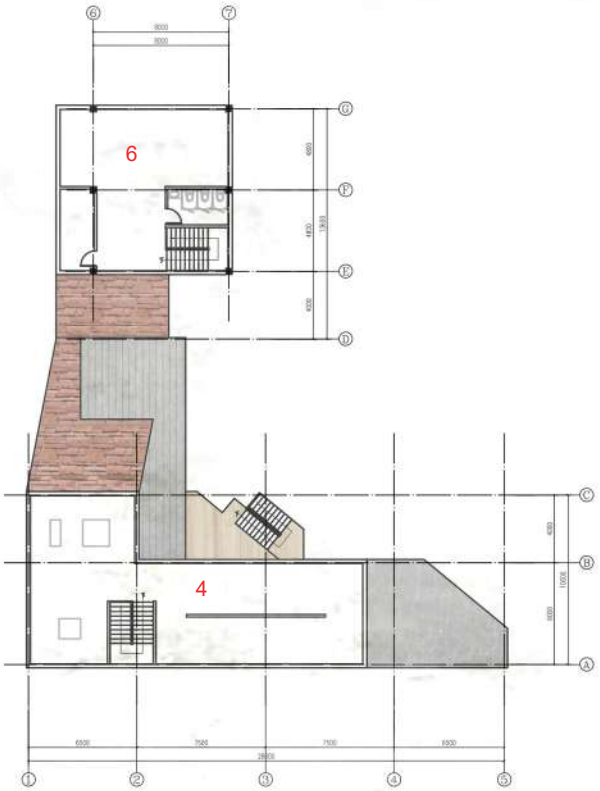


STREET PERSPECTIVE

FIRST PLAN 1:400



SECOND PLAN 1:400

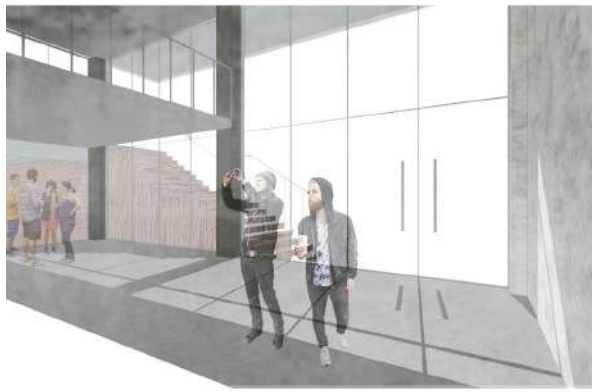


THIRD PLAN 1:400

1.Entrance
2.Coffee
3.Shop
4.Exhibition Hall
5. Film Room
6.Seminar and meeting room
7.Toilets
8.Staff and volunteer room
9.Staff and volunteer entrance
10.Offices
11.Equipment Store
12.Bin store
13.Utility room
14.Cleaner's store
15.Plant store
16.landscaping

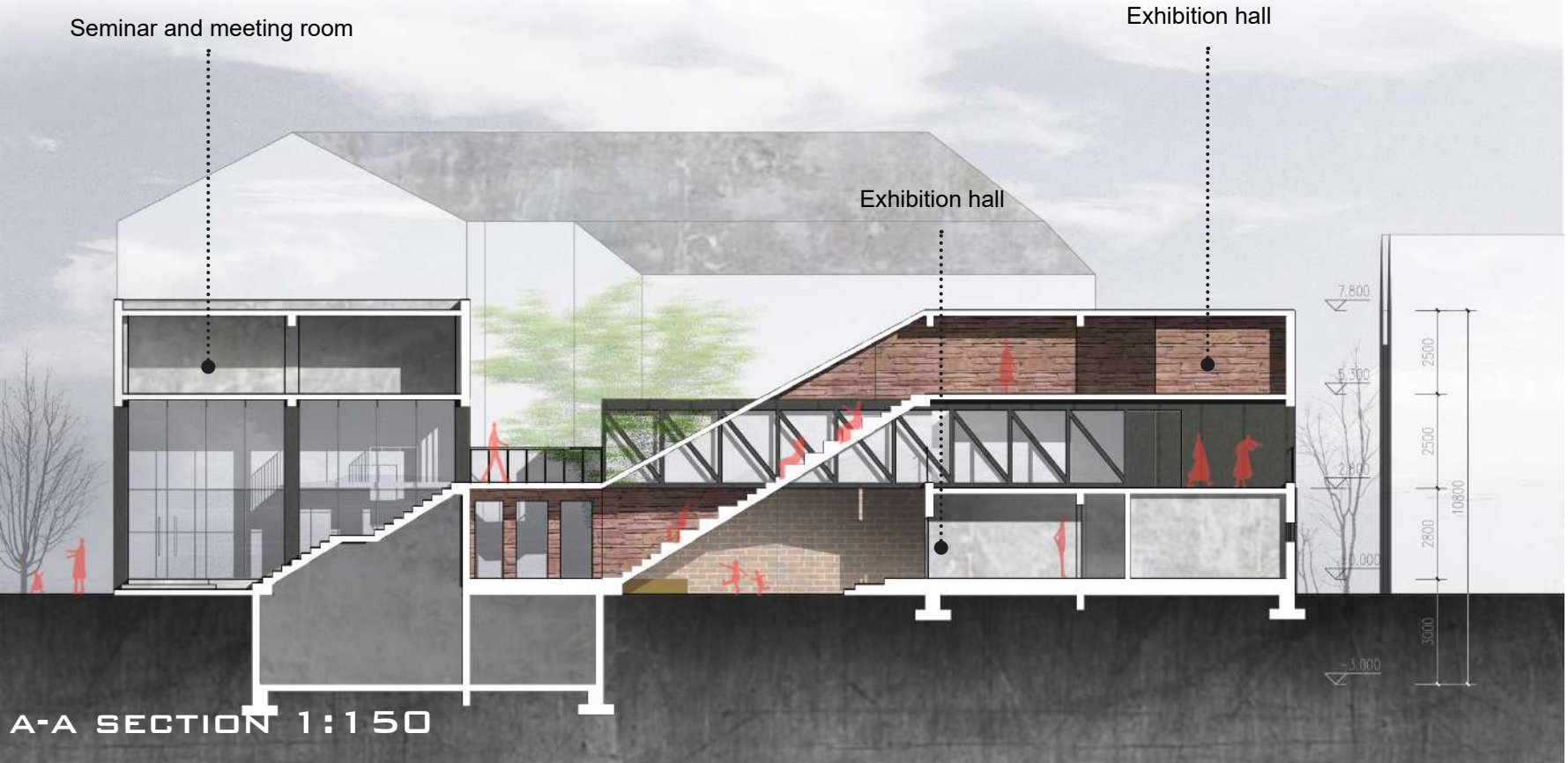
WEST ELEVATION

Platform: Rest platform provides a comfortable and pleasant space environment for people.



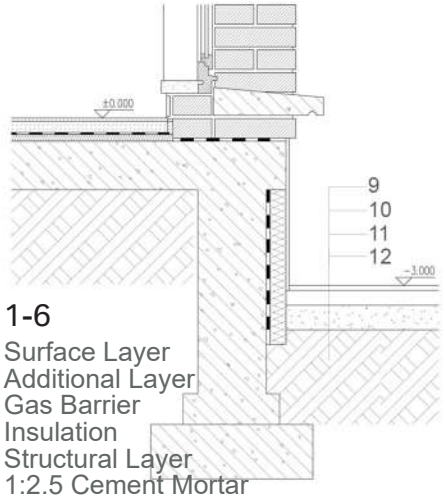
Entrance: A double height space make the main entrance space more open and comfortable.

Courtyard: Dividing the space with different pavements and plants, creating a small and pleasant courtyard.



A-A SECTION 1:150

DETAIL



1-6

Surface Layer
Additional Layer
Gas Barrier
Insulation
Structural Layer
1:2.5 Cement Mortar

7-8

380mm Precast Lintel
The Bottom Pad Precast Lintel

9-12

10mm Terrazzo Surface
1:2.5 Cement Mortar
60mm Concrete
Soil Compaction