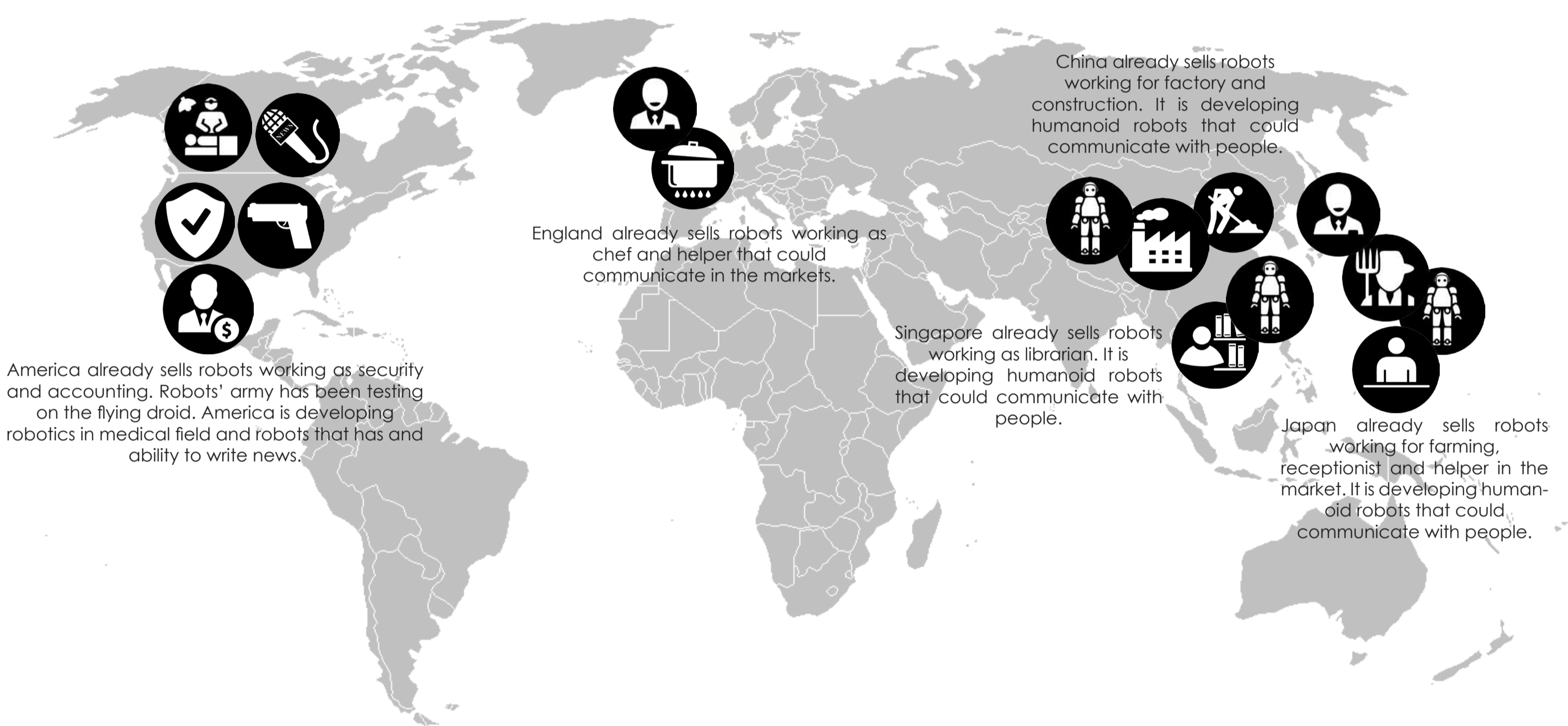




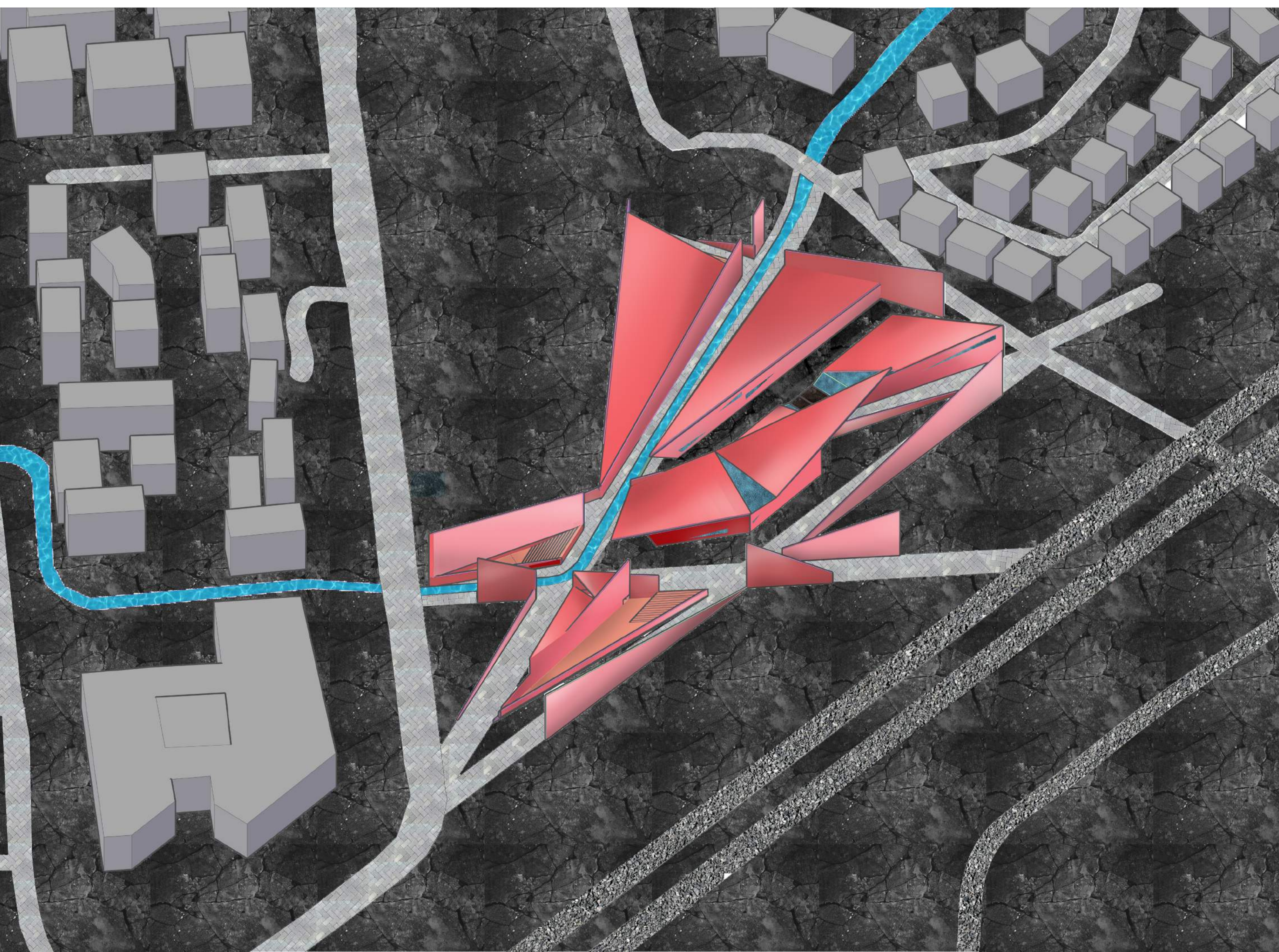
It is not surprising that the development of Artificial Intelligence (AI) specialty in robotics has been in rapid development while bringing in both pro and contra critics from expertise and product users. The purpose of making and developing robotics to help with humans' work is bringing ease for perpetual, simple and repeating works. In more advance purposes, robots have been developed to help manufacturing industries (Bland, 2016). At the same time, technology of robotics might backfire on the unemployment and social strife (Sacks, 2014).



## PREDICTION OF ROBOTS REPLACING HUMANS JOBS IN 20 YEARS



I am proposing to design a space to innovate, design, develop and manufacture, at the same time to educate people about the technology by giving the sense of working and living together with robots. This project also bring economic prosperity by providing employment opportunities. Moreover, provide communal spaces to produce social interaction within the site users, and users around the site, moreover maybe around the world.





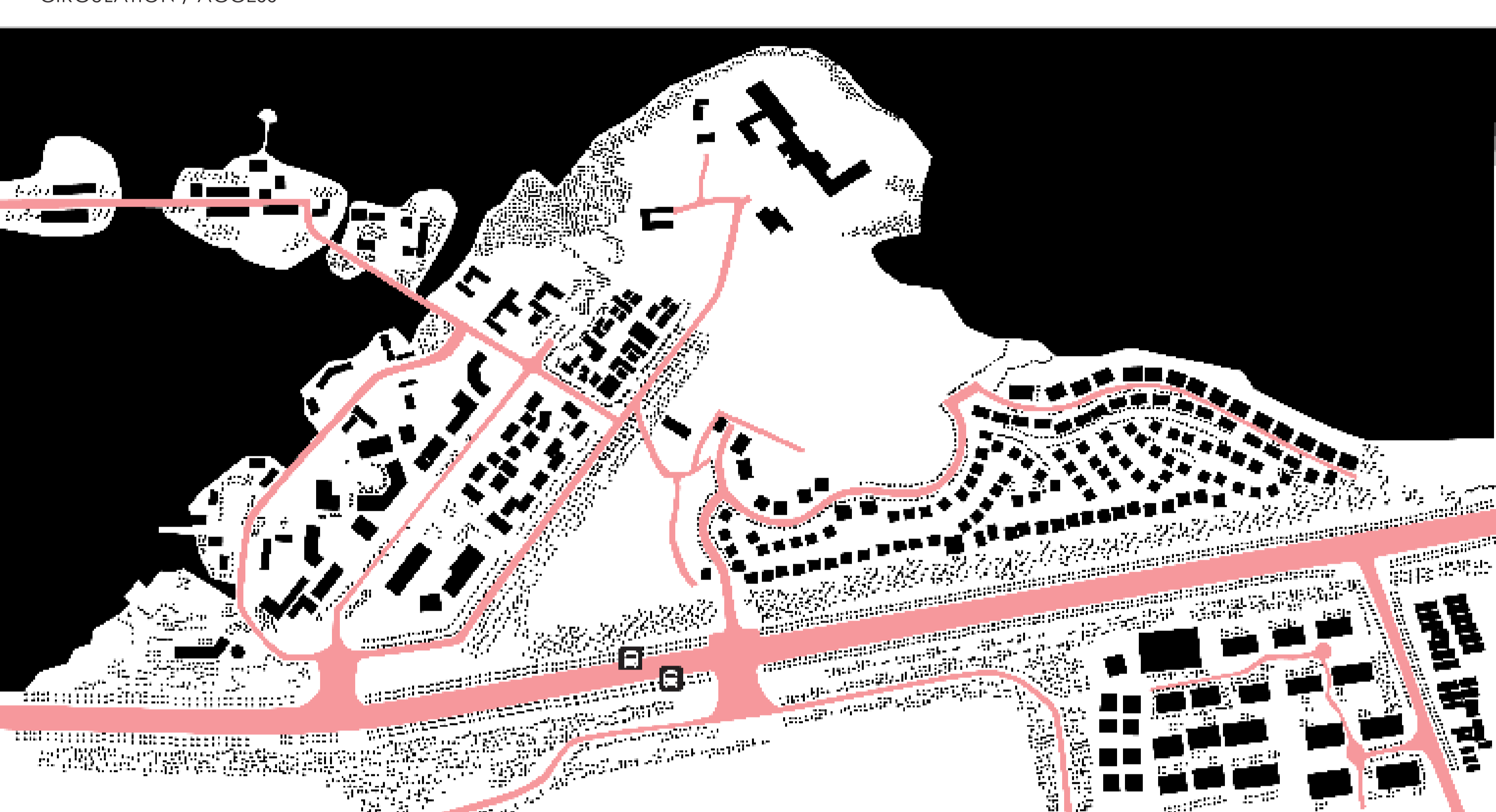
# SITE ANALYSIS

## LANDMARKS



- GENEVIEVE RESIDENTIAL AREA
- HOTELS
- DOWNTOWN
- TIMES SQUARE
- HET
- LI GONG DI
- LAKE AND BUILDINGS
- XING HAI
- SITE LOCATION

## CIRCULATION / ACCESS



The site could be accessed from the main road, secondary road (li gong di area), and residential area. Main public transportation used is bus. The subway line going through li gong di is predicted to be done in few years.

## FUNCTION



- OFFICES AND COMMERCIAL
- RESIDENTIAL
- ENTERTAINMENT , FOOD, AND BEVERAGES

Existed buildings as function innovate the development and design of the new innovation space.

## WATER APPROACH



I facilitate the project with water installation to respond to the lake as one of the best assets in Suzhou. The water from the lake and rain water harvested on the site could be used to supply site's non potable water demands. I see in this way the project could achieve the innovation and environmental sustainability. At the same time, making the area move livable.

The water circulation connect the site with the residential area and commercial area to bring locals and visitors to the available public spaces on the site to improve social fabric in the healthy environment. I organized the network of pedestrian and cycling paths along the newly made water feature and 1 road for cars to maximize desirable accessibility.

The water also go through between the office and studio building to give refreshing environment.

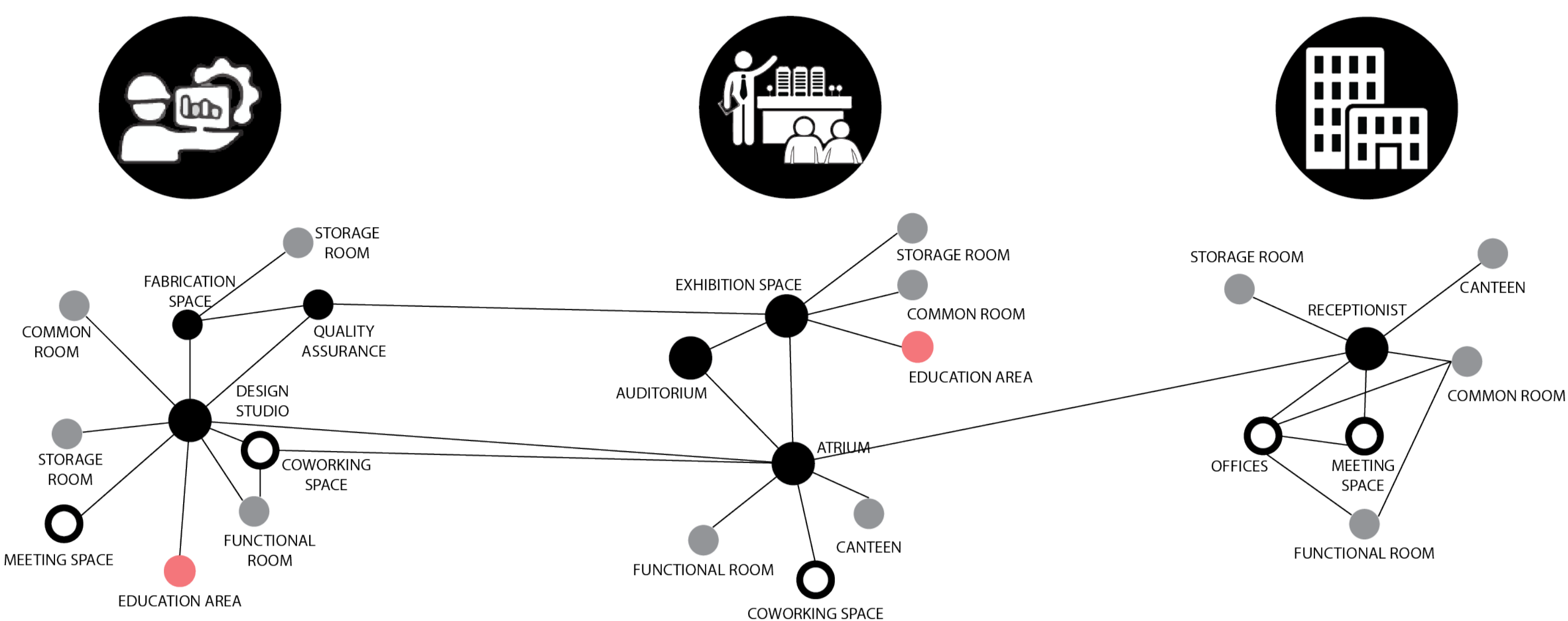


## USERS

Information Technology Staffs . Designers . Scientists . Engineers

## CLIENTS

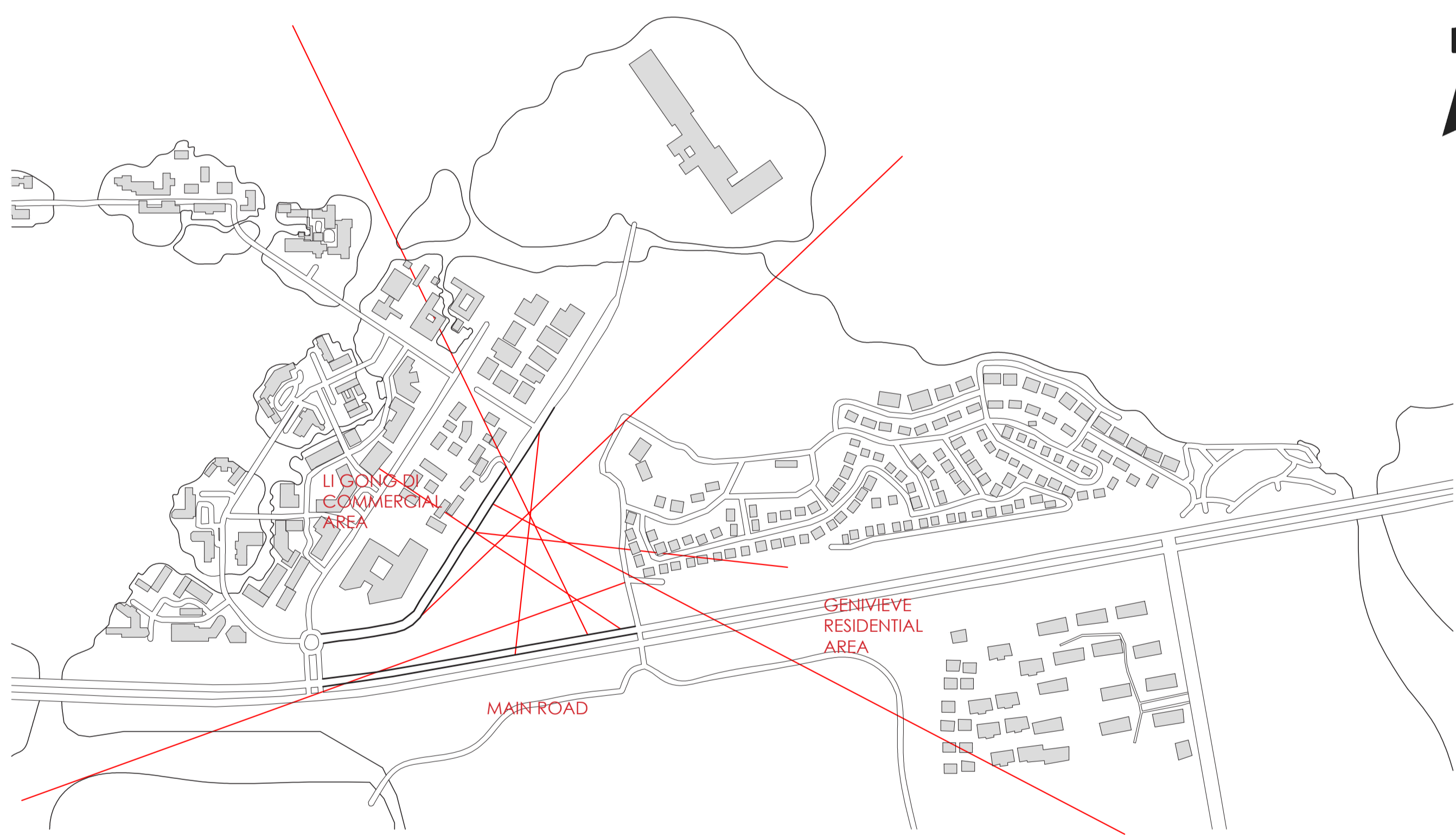
Businessmen . Information Technology Staffs . Designers . Scientists . Engineers



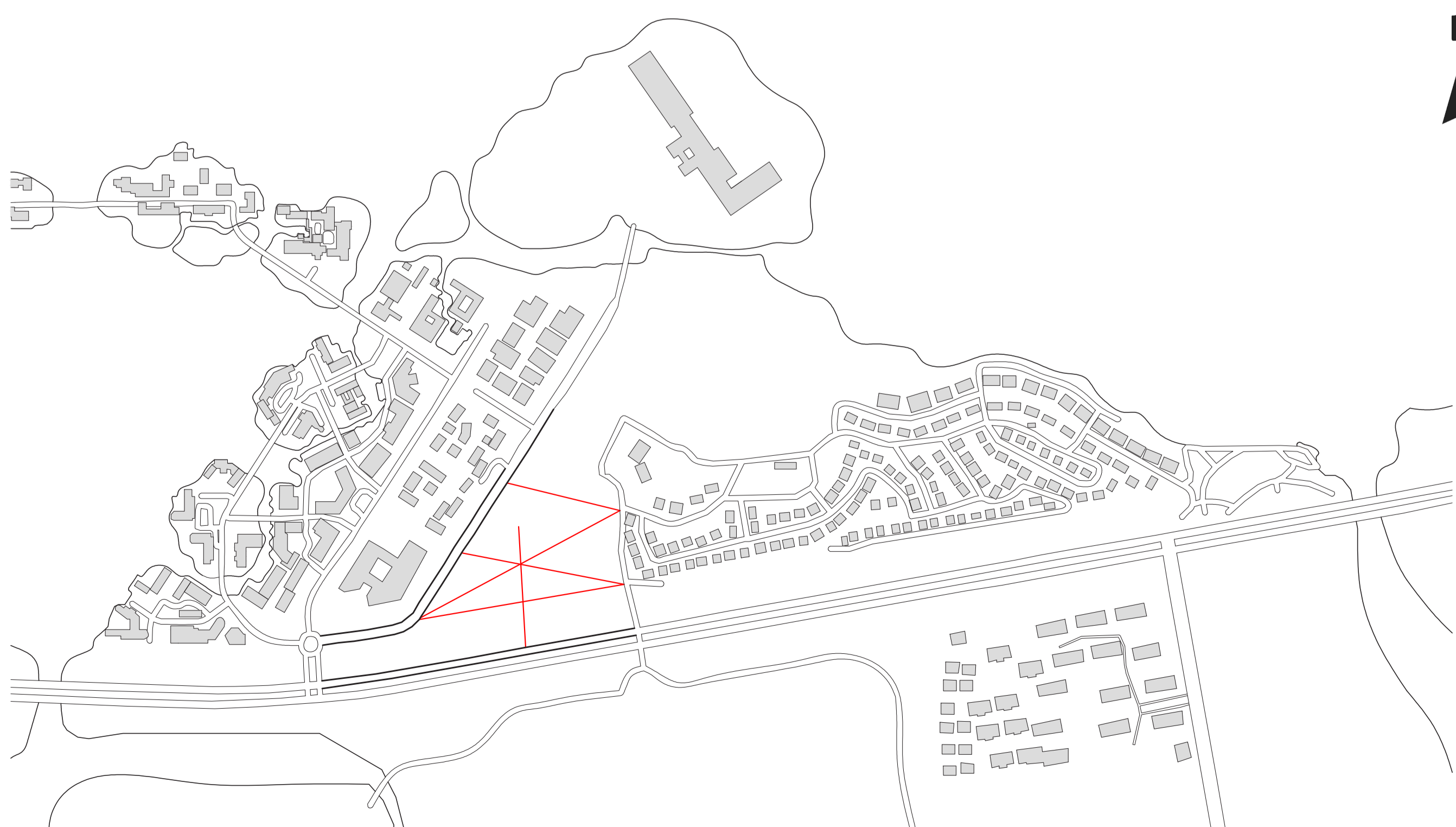
The diagram is showing the programs that will be put in the design, related to the research topic. The programs are divided into 3 main sections; fabrication space, office, and exhibition space.



GRID  
1/5000



LANDMARK  
1/5000



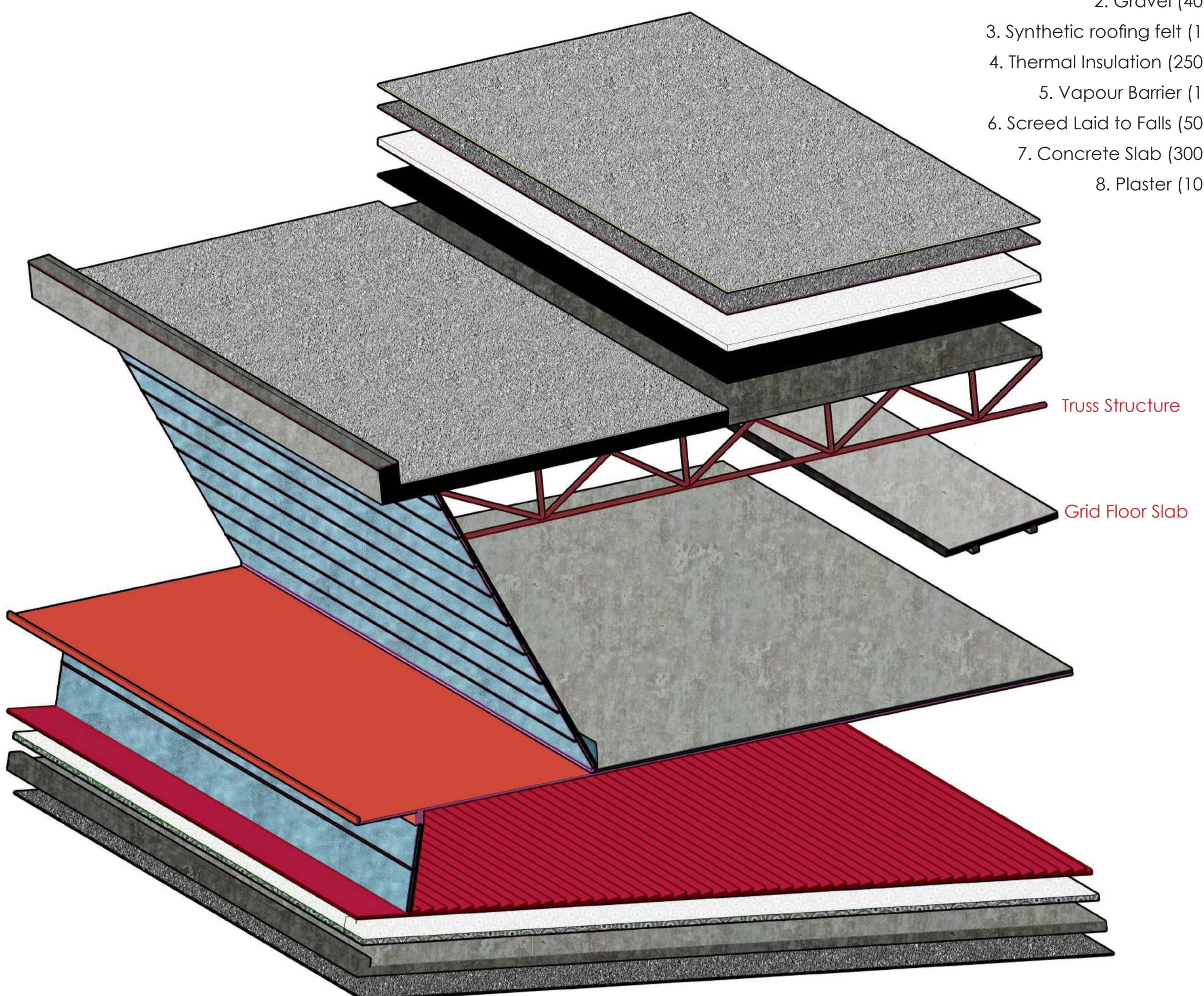
CIRCULATION  
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EXPLODED AXONOMETRIC

FLAT ROOF - WARM DECK (702 mm)  
Plastics - external cladding, heavyweight

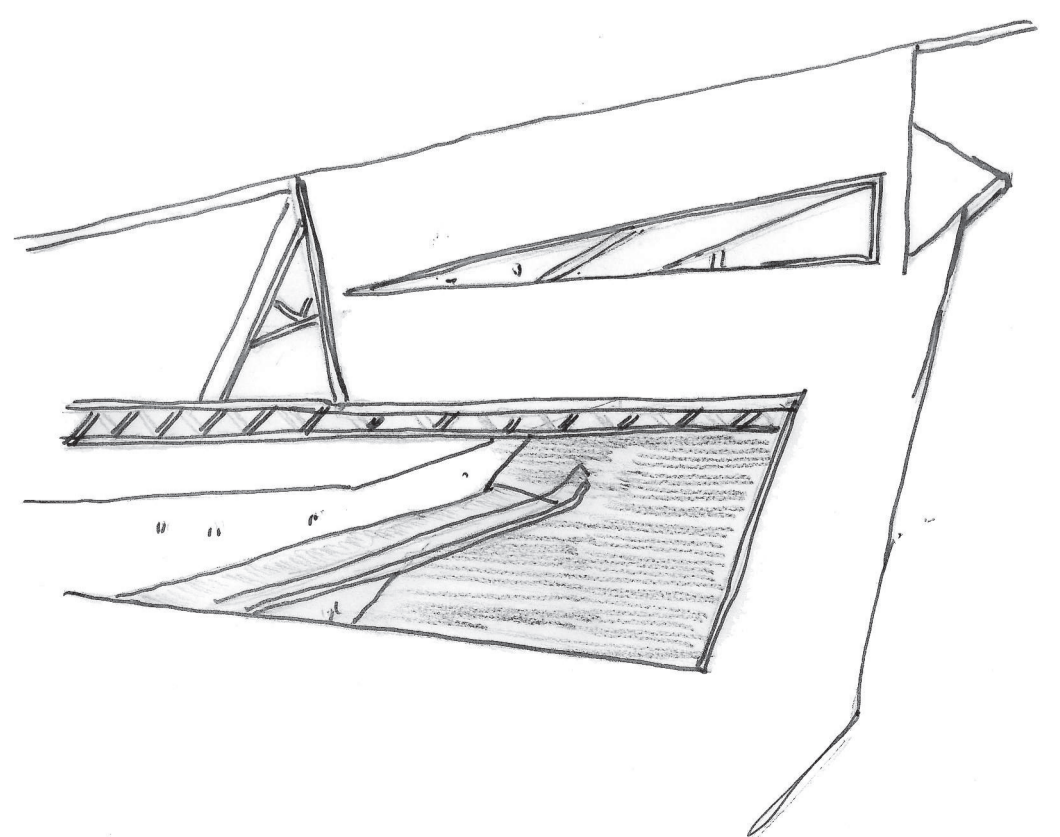
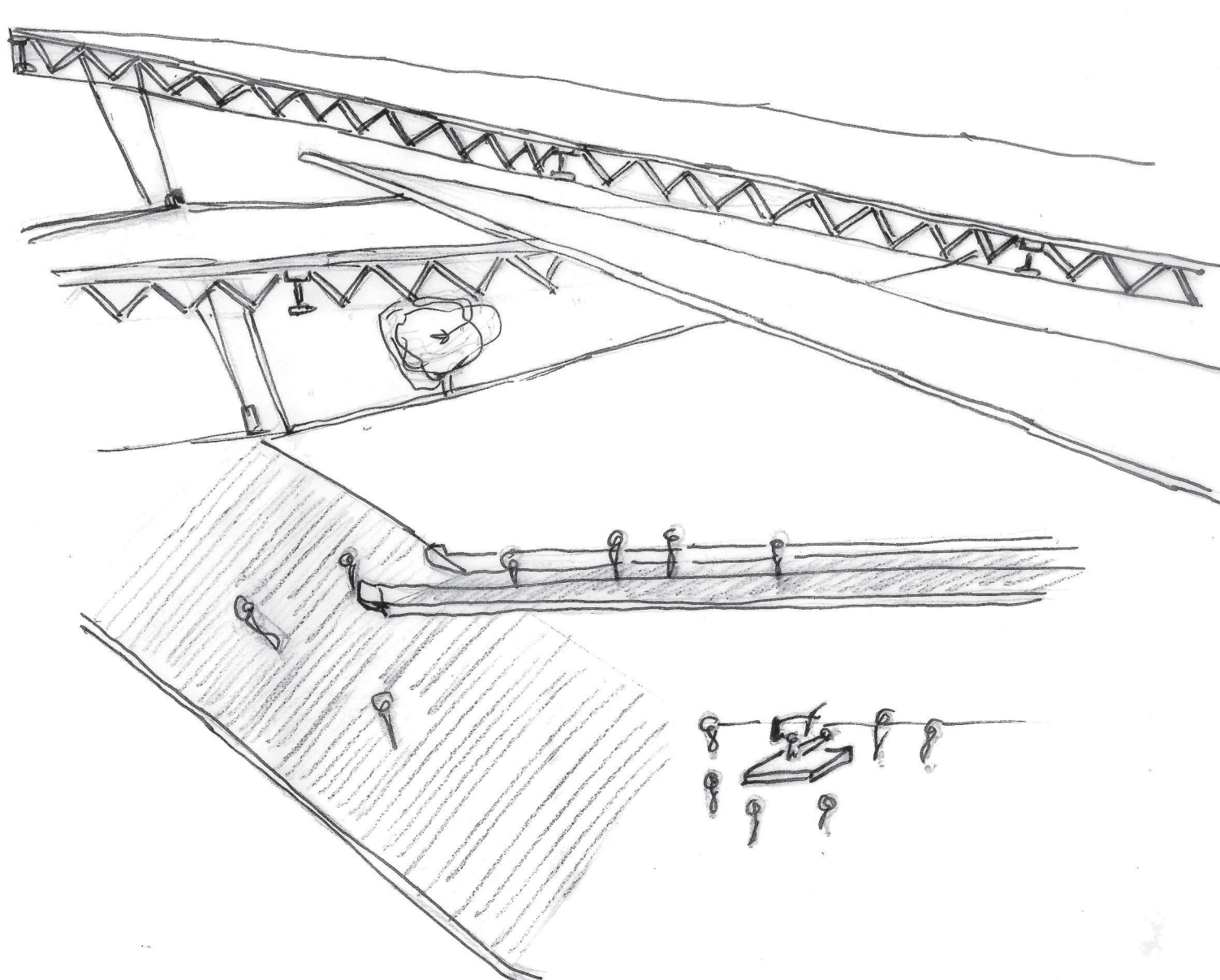
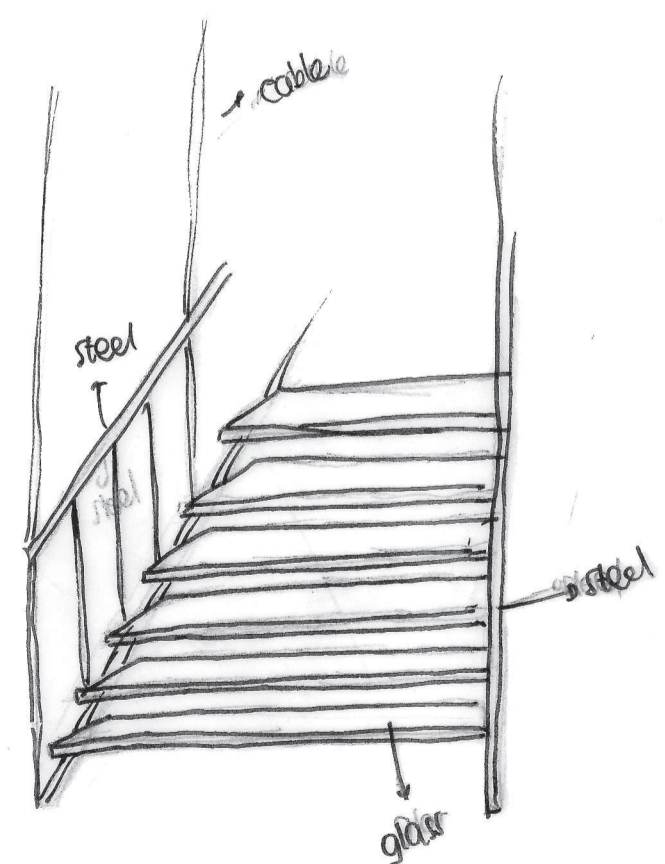
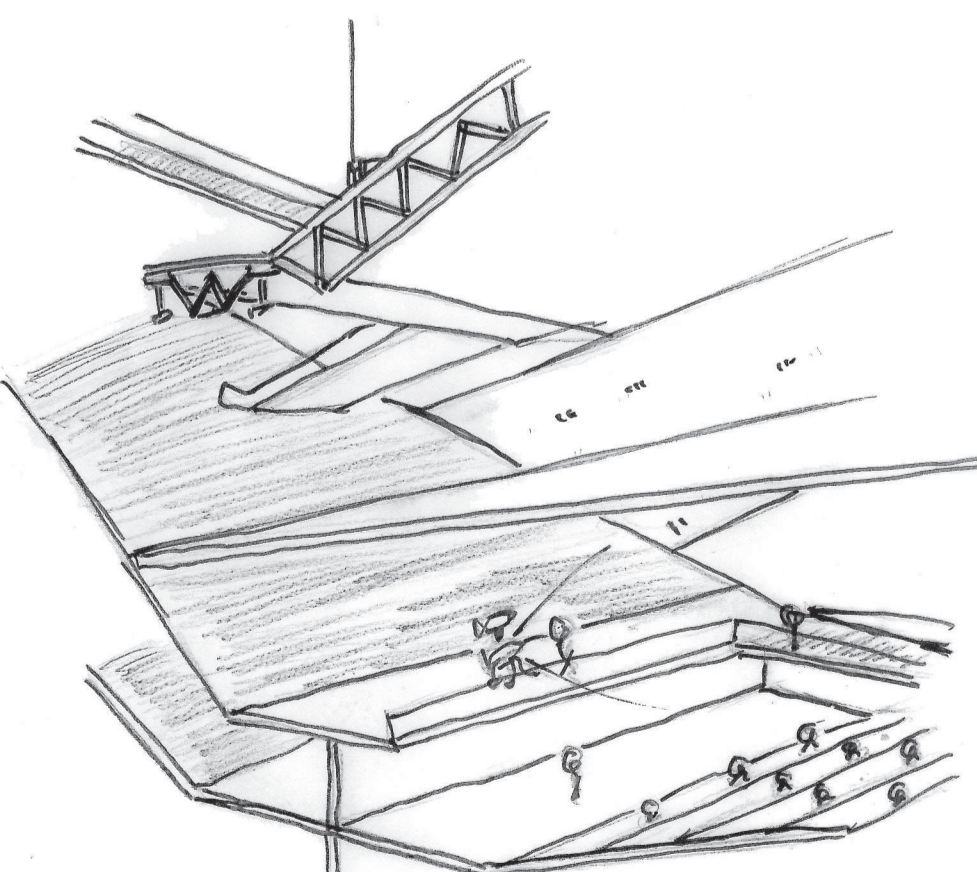
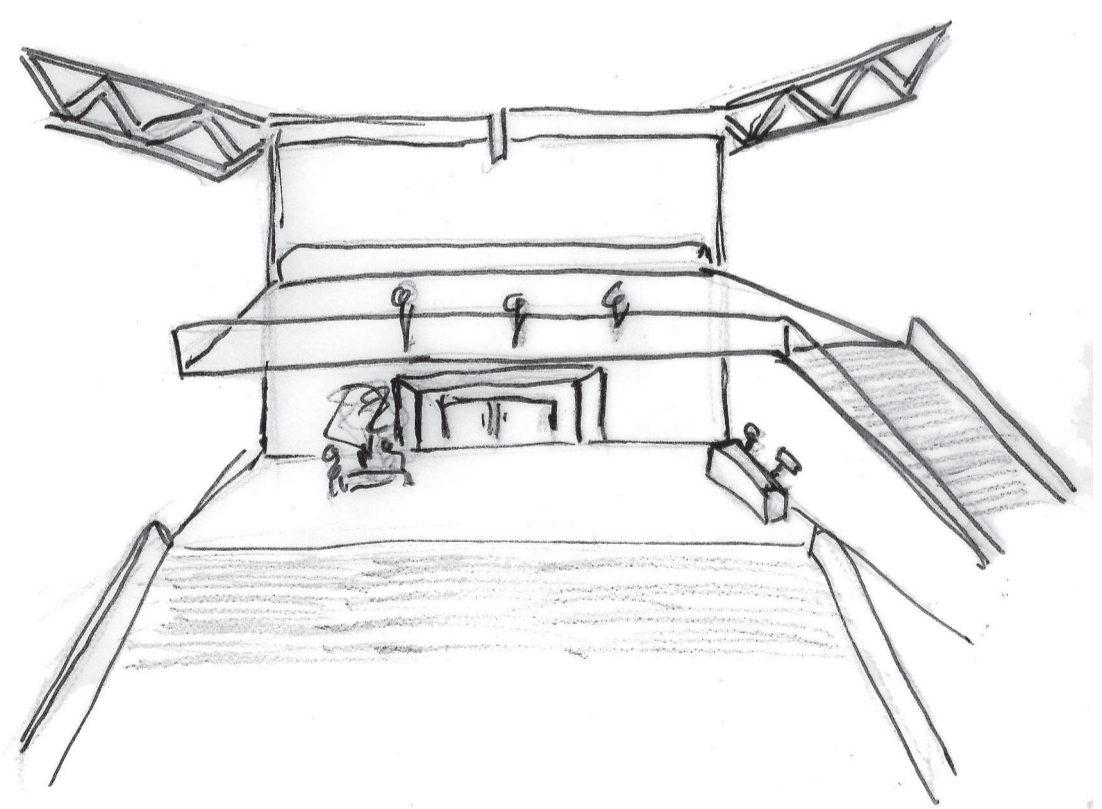
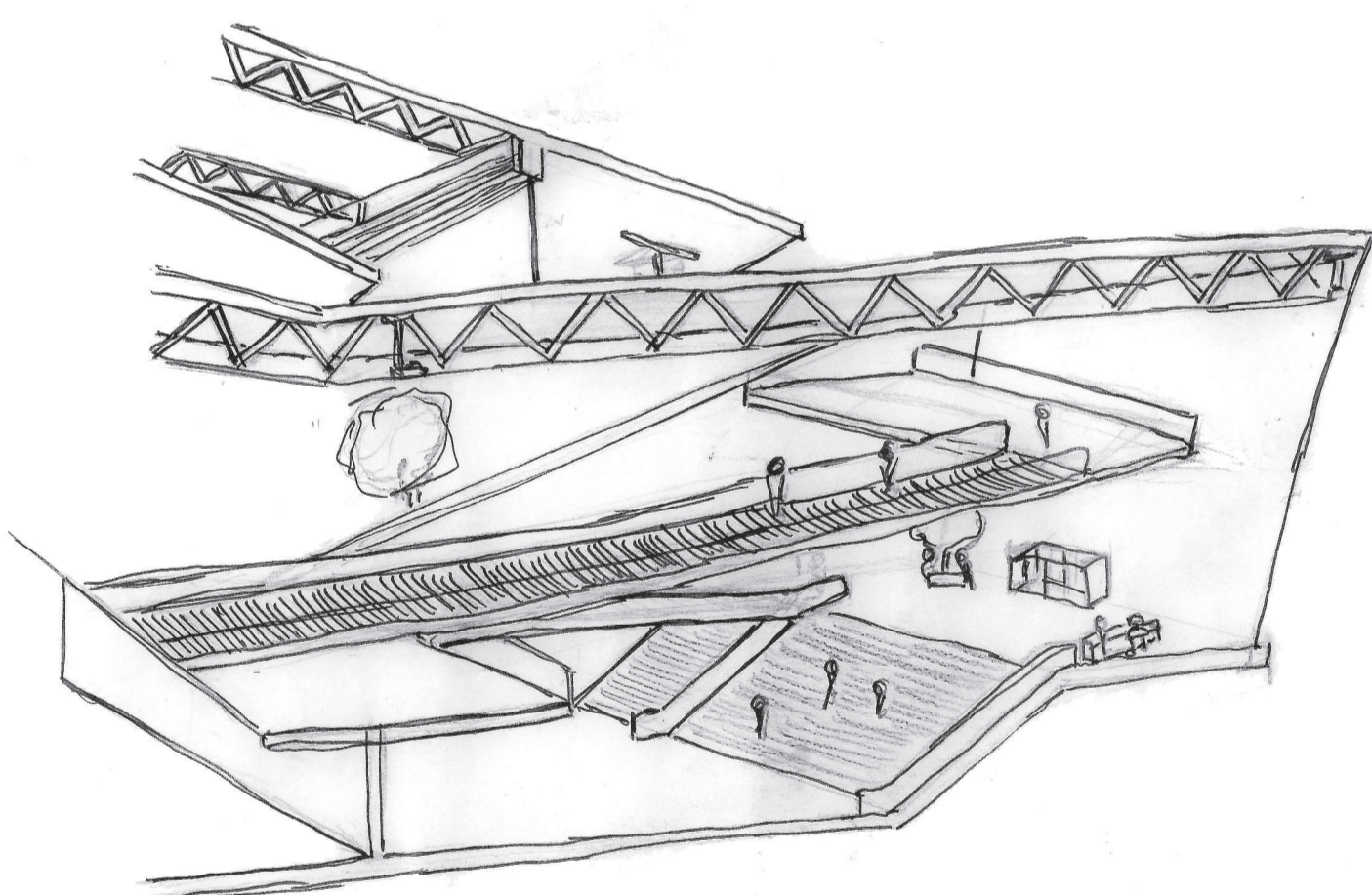
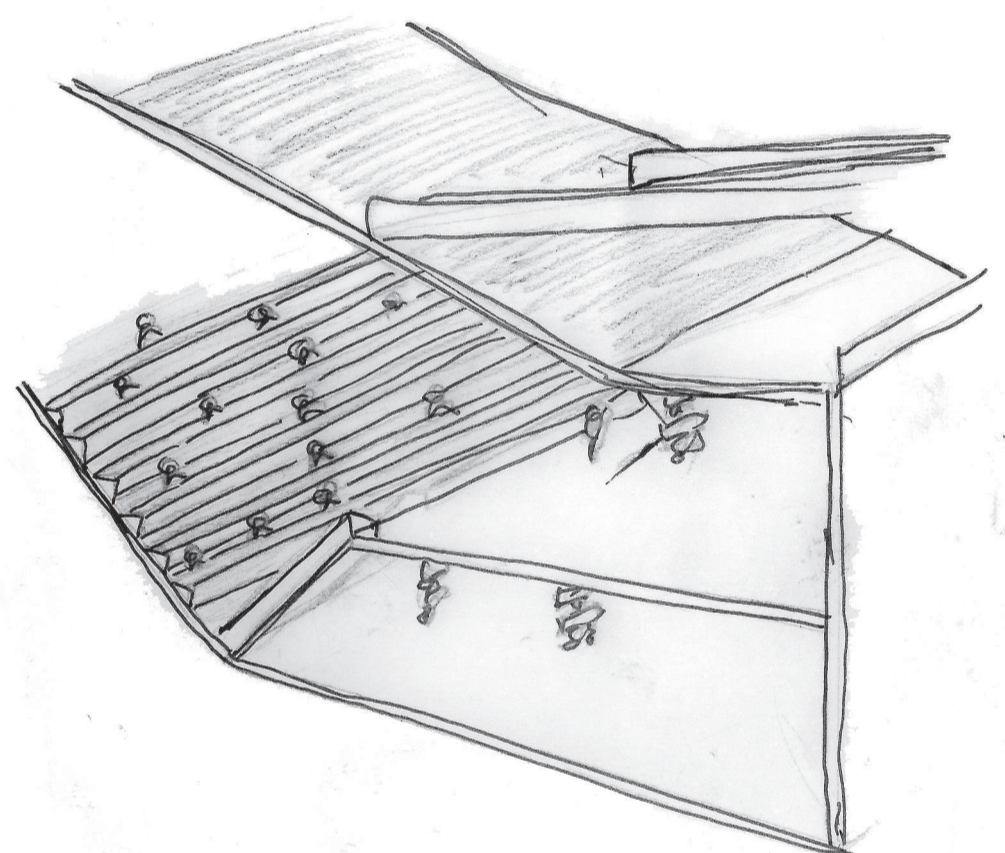
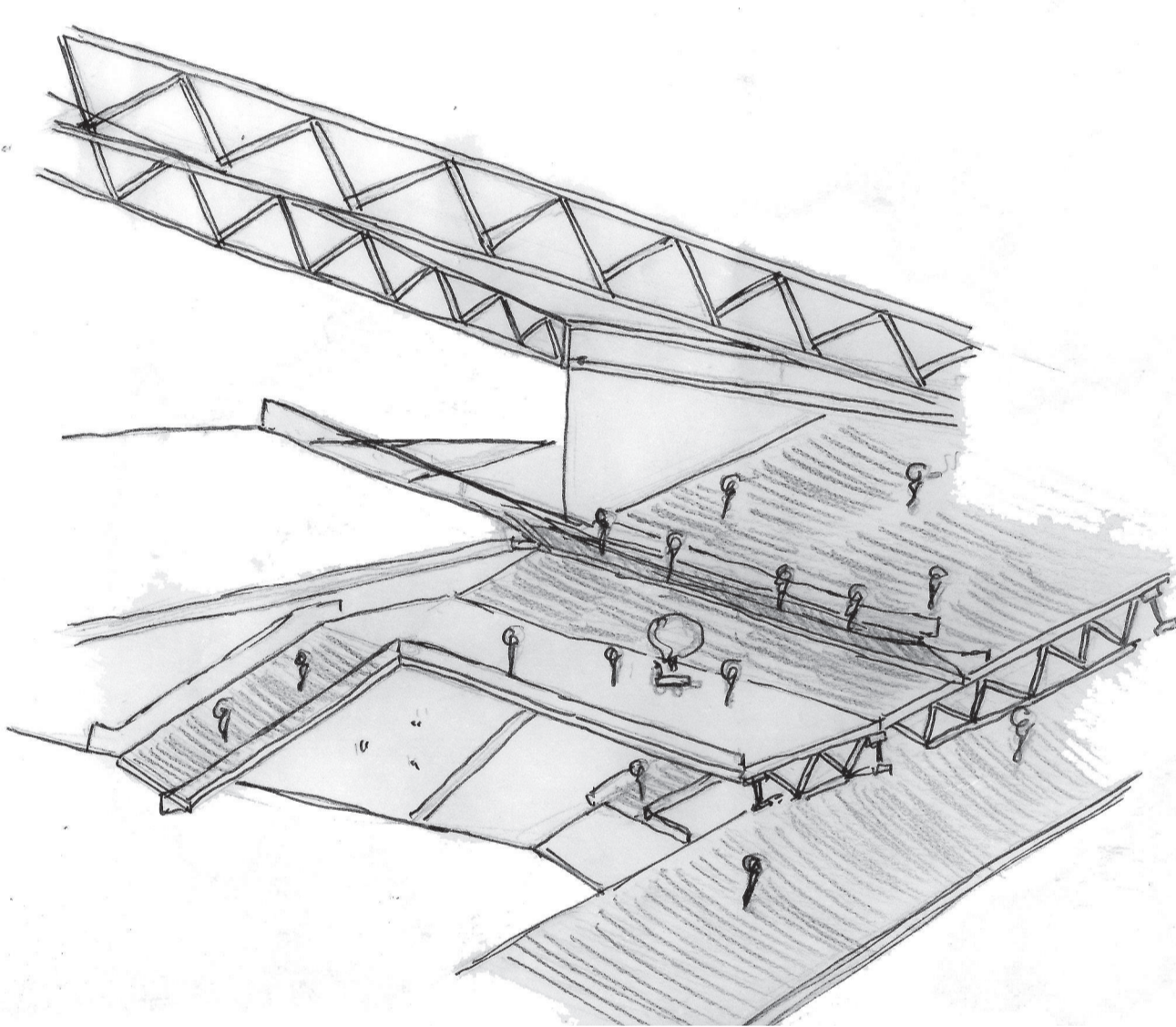
1. Concrete Flags (50 mm)
2. Gravel (40 mm)
3. Synthetic roofing felt (1 mm)
4. Thermal Insulation (250 mm)
5. Vapour Barrier (1 mm)
6. Screed Laid to Falls (50 mm)
7. Concrete Slab (300 mm)
8. Plaster (10 mm)



FLOOR CONSTRUCTION, HEATED BASEMENT (547 mm)

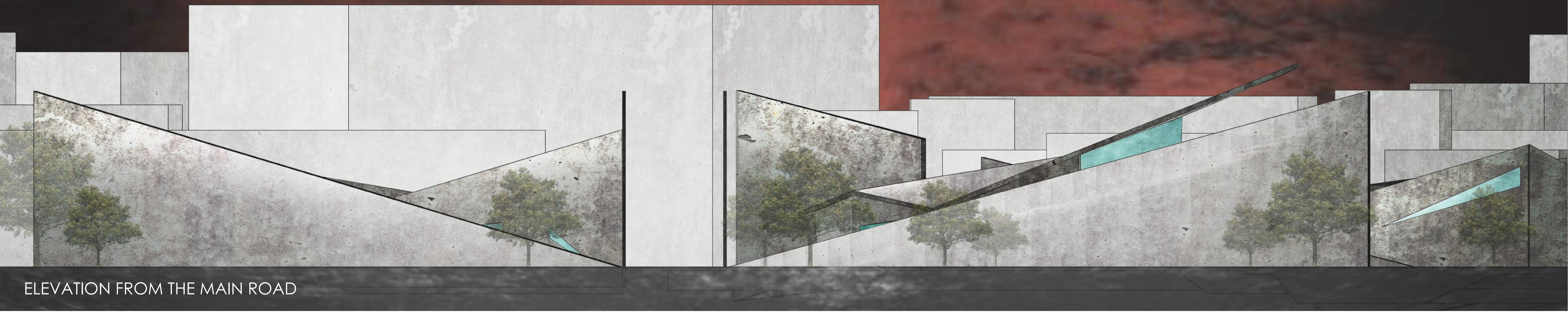
1. Magnesite flooring (15 mm)
2. Screed (80 mm)
3. Separating layer (1 mm plastic sheet)
4. Insulation (200 mm)
5. Damp proof membrane (1 mm)
6. Concrete ground slab (200 mm)
7. Lean concrete (50 mm)

PERSPECTIVE DRAWINGS





ELEVATION



ELEVATION FROM THE MAIN ROAD

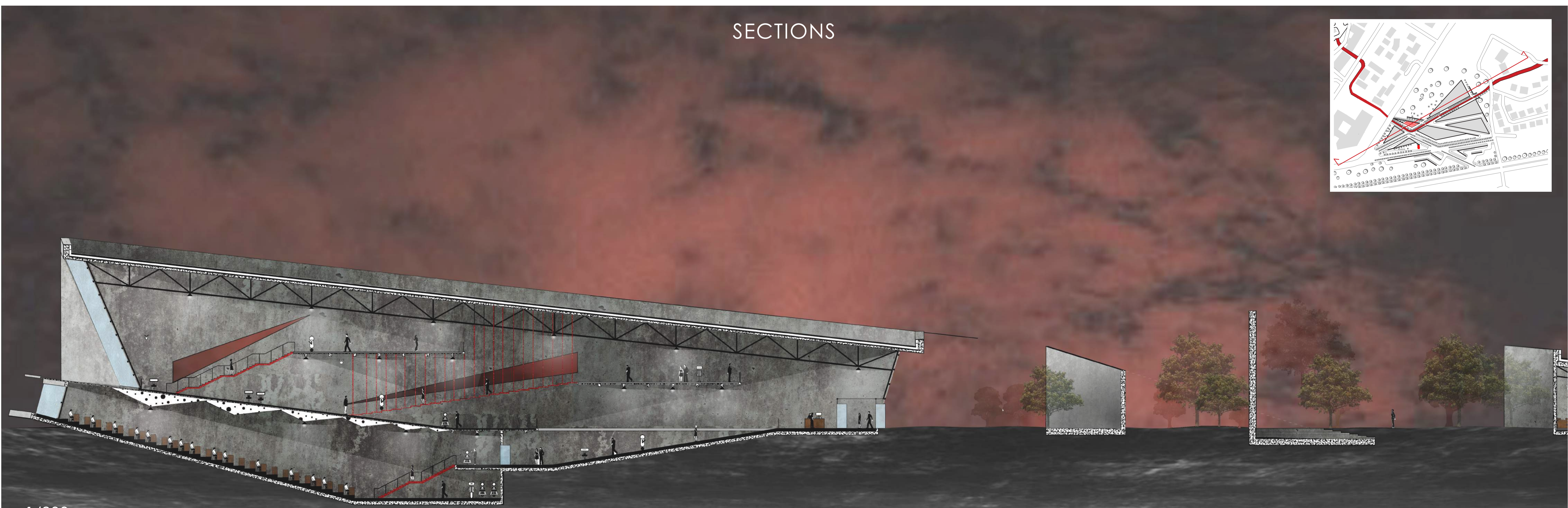
MASTER PLAN



1/2000

(A) CAFE - (B) BAR - (C) STUDIO - (D) QUALITY ASSURANCE SPACE - (E) OFFICES - (F) HUMANS & ROBOTS INTERACTION SPACE

SECTIONS



1/200

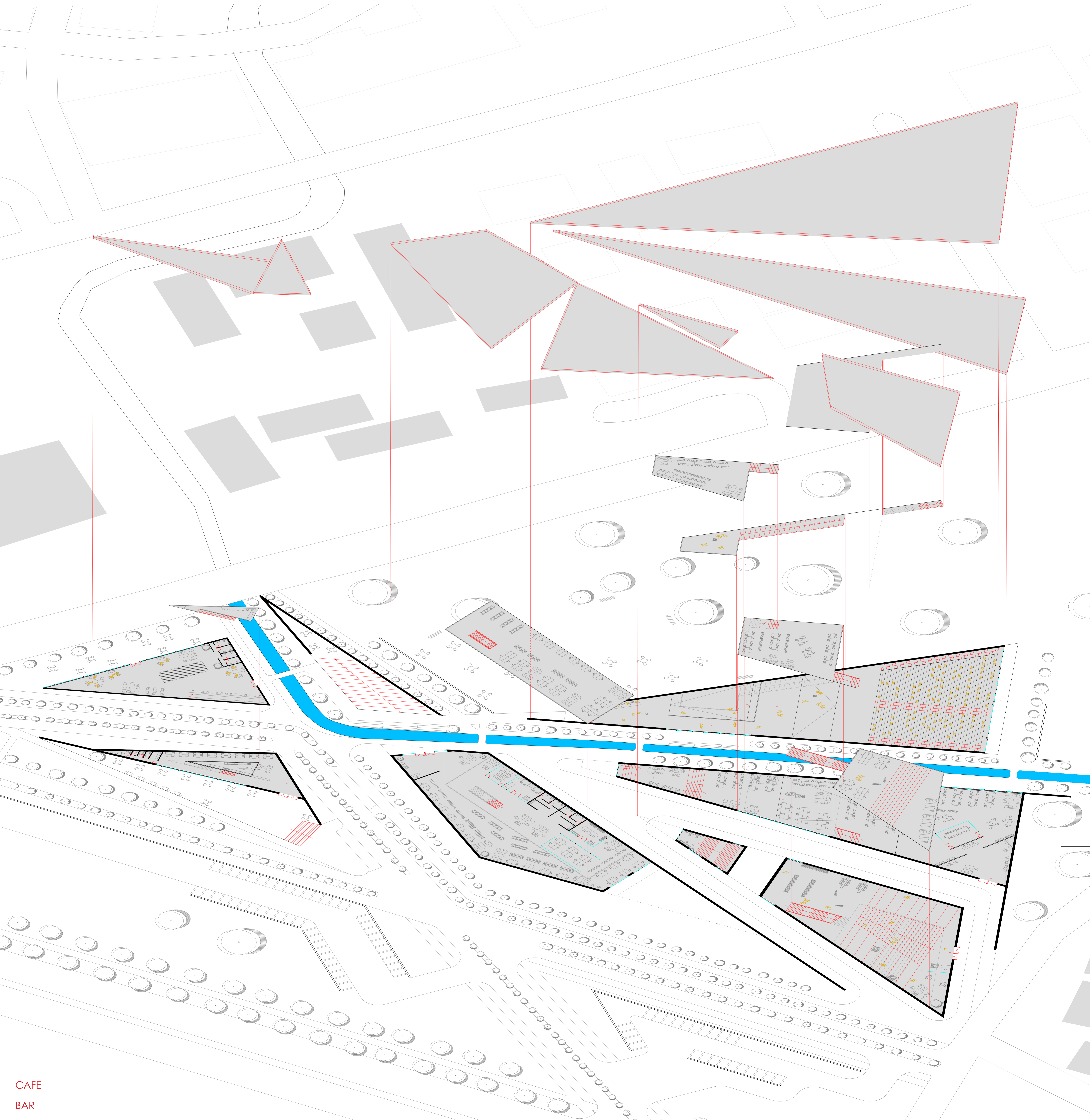


# PLANS

## SPACES for HUMANS and ROBOTS:

The space is providing some buildings to innovate the development of robotics. The buildings function as interaction space, office, quality assurance space, studio, cafe, and bar. These buildings have complex and dynamic interior and exterior circulation. Flows and pathways are overlapping and connection in order to create dynamic and interactive space.

The continuity of the interaction spaces for humans and robots make it suitable for any kind of temporary exhibition, without separating walls. By the time entering the atrium, the main element of the project are clear, plain concrete wall, continuous circulation, tilt floor, and natural lighting. I intent to give multiple perspective points in uncertain horizontal floors.



- CAFE
- BAR
- STUDIO
- QUALITY ASSURANCE SPACE
- OFFICE
- HUMAN & ROBOTS INTERACTION SPACE