

STUDIO

**ARK 128\_ARCHITECTURE AND URBAN SPACE DESIGN**

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SARISA ADAMI

## BRIDGES

Bridges are one of the most effective organs in term of transportation and connection. Bridges are capable of carrying a dozen tones of vehicles and humans, while at the same time provide great transportation services, Thus they have a special place in transportation structure among the others. It also performs as an effective communication platform between two destinations.

In my point of view, bridges can provide a constant continuation of movement in out daily life.

# 1.1

## **INFRASTRUCTURE**

## SITE EXISTING UNITS



## INFRASTRUCTURE

Älvsborgsbron in gothenburg is a huge suspended bridge , which provides a great atmosphere below the structurelife.







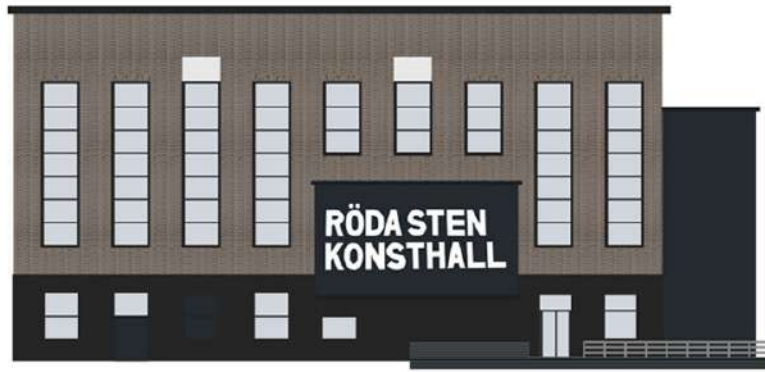
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## ART GALLERY\_CULTURAL CENTERS

Art galleries are places where i believe can make a strong mental connection between the space itself and material objects. The engagement among the users and artistic created subjects will occasionally help us to get involve in different communication and debates that can strengthen our social bounding.

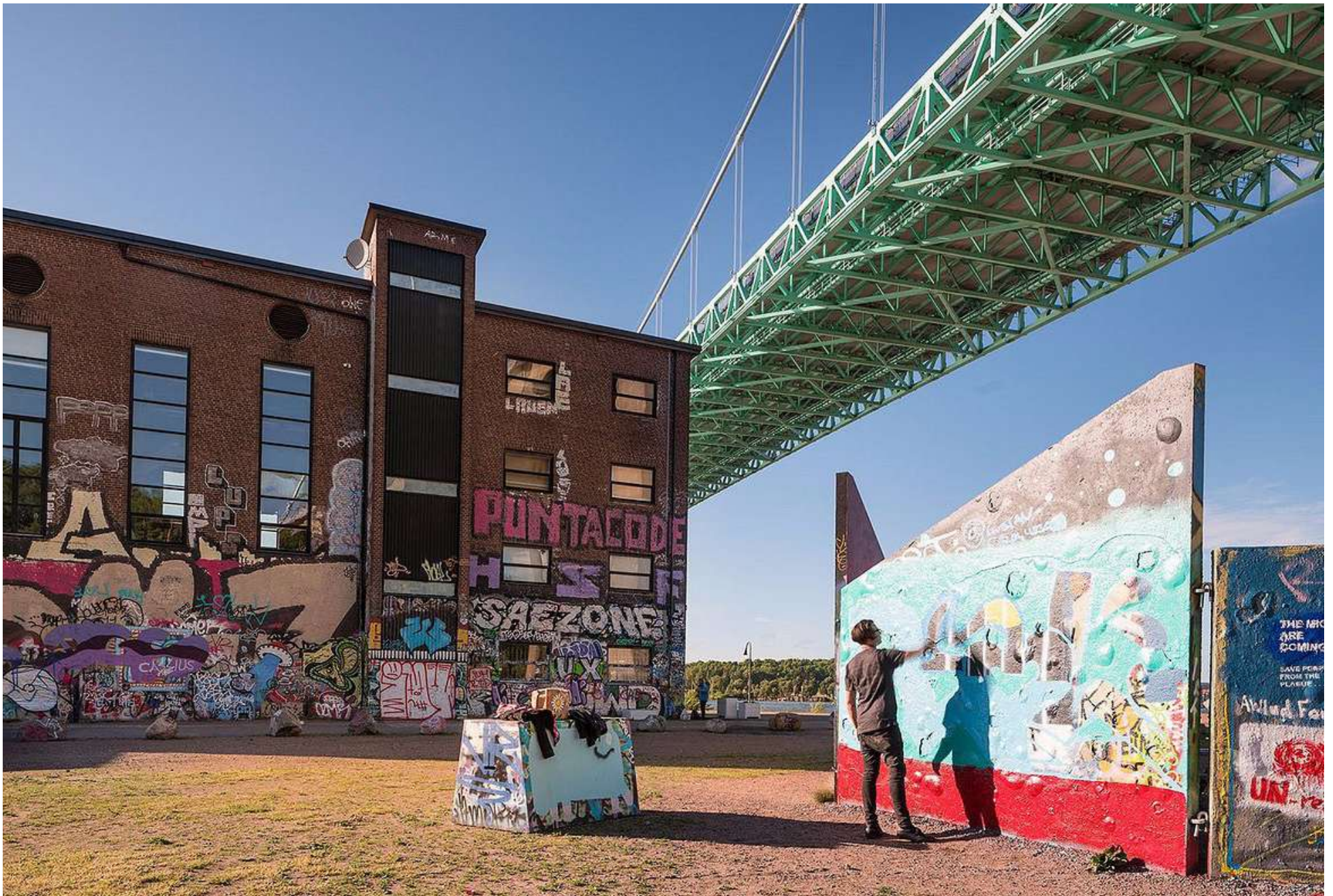
1.1.2  
**HUMAN SPACE**





## RÖDA STEN

Röda Sten Konsthall, a preserved building from 1940. the building is offering a wide range of facilities.

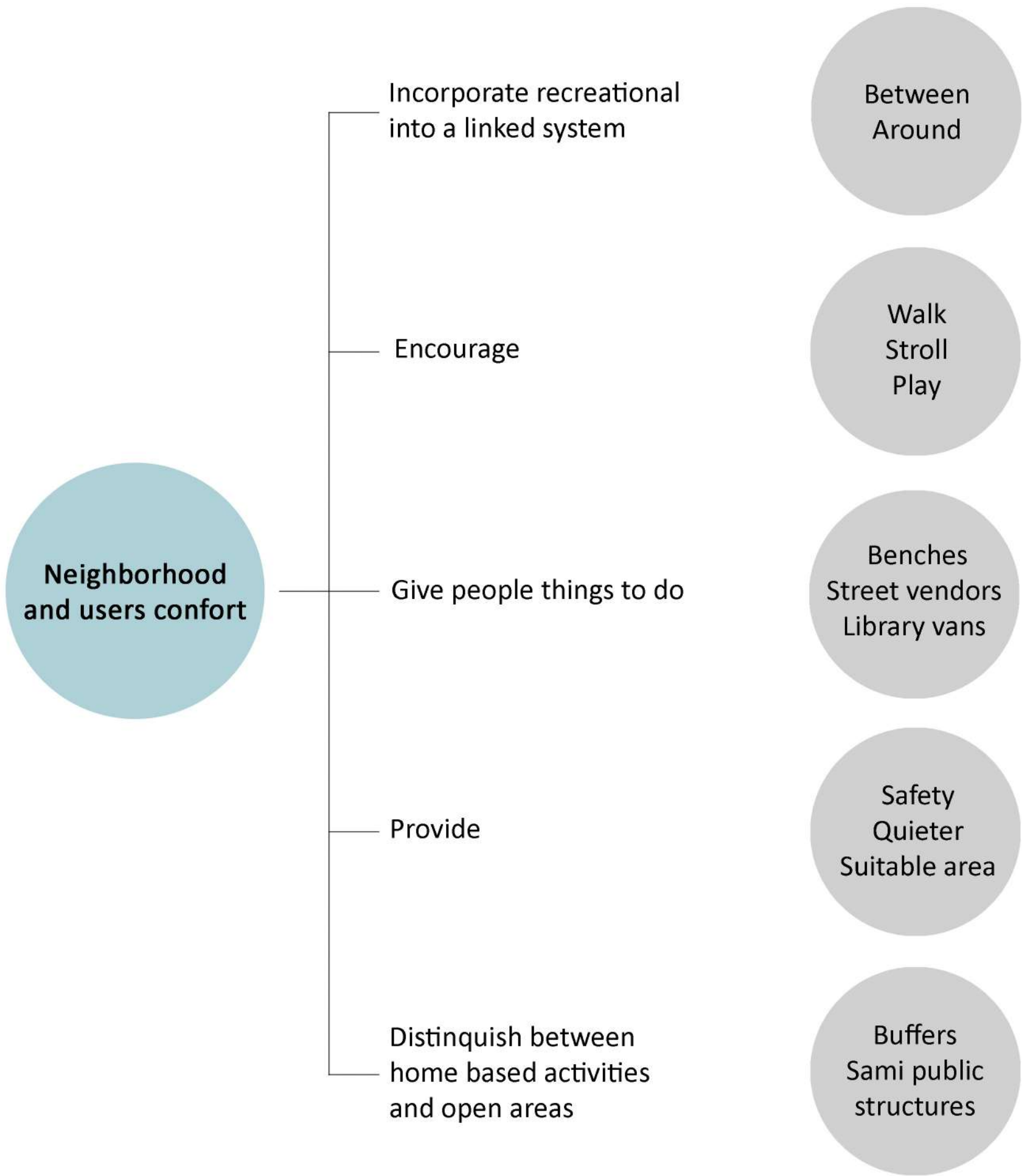






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BRINGING NEIGHBORHOODs & USERS TO LIFE





## INFRASTRUCTURE AND HUMAN SPACE HIGHLIGHTS



### SITE

The area below the Älvsborgs bridge is mostly dedicated to the passing area between two sides of the bridge which provide easier access for both East and West sides.

The bridge is suspended on Göta side river and it is partially in vicinity of vegetation. The eastern part of the bridge is built with public and private buildings, while on the western part has a path way adjacent to it and the Röda sten konsthall.



### POTENTIALS

Close to the desired site location, several activities are provided, like a skate play ground and a walking path close to the river but the area under the bridge is in a weak relation with surrounding areas.



### SUGGESTIONS

Using the open untouched areas to create some sort of circulation which will attach the infrastructure units to the gallery building and its surrounding existing elements.

This loop will link the existing features to work as a system.



### FACILITIES

Röda Sten Konsthall is a unique place for contemporary art, located in an old boiler house just below Älvsborgsbron where you can experience exhibitions, workshops, and food and music, **All under the same bridge**.



### POTENTIALS

Röda Sten Konsthall is an art gallery where offering a mixed functional spaces as a whole. The same function has been extended all the way to a Legal graffiti wall which reflects the idea of art and creativities.



### SUGGESTIONS

By integrating different space and structure typologies we can create a more mixed and diverse place for our users.

Bring more social life and create a multicultural area.



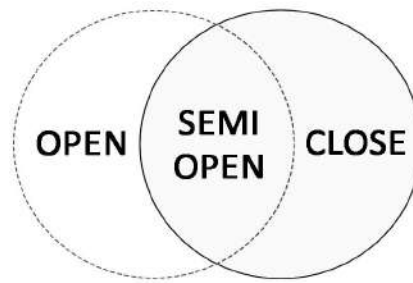
## ALTER PATHS

I have always been fascinated by paths and movements that would help an object to move forward or backward from a point to another. But how we make our decisions while tremendous path of selections are offered .? should i choose point A or it's better to go from Point B.? Which way is faster/ how about few minutes of walk.? Although there are many alternative paths can be chosen depending on our preferences. The concept of my Hybrid space is a path walk that could ease the vertical access for users, but at the same time produce facilities that can boost up spiritual feelings For instance, small cubical rooms that can show casing different art works and hosts particular cultural events.

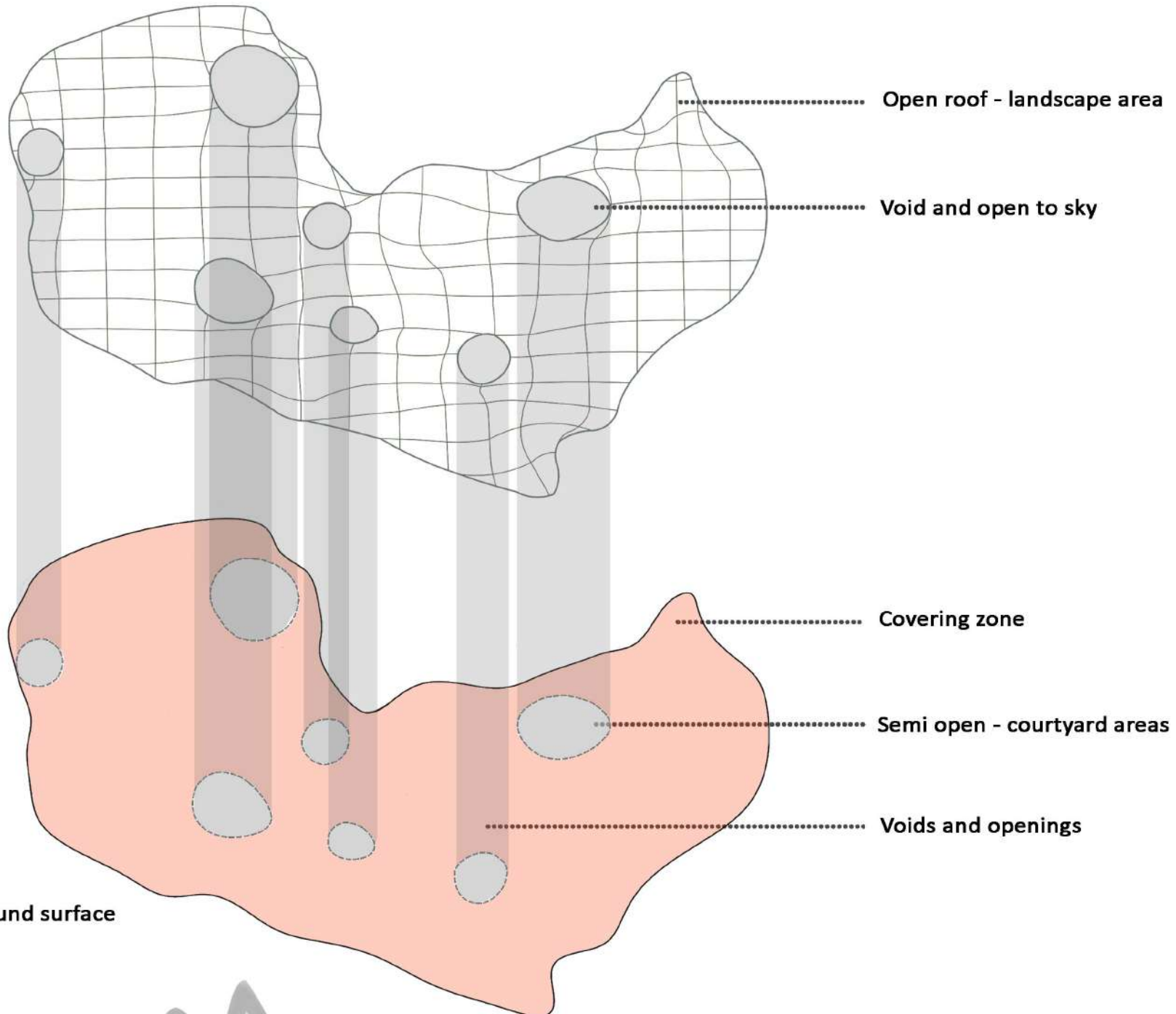
### 1.1.3

## **HYBRID SPACE**

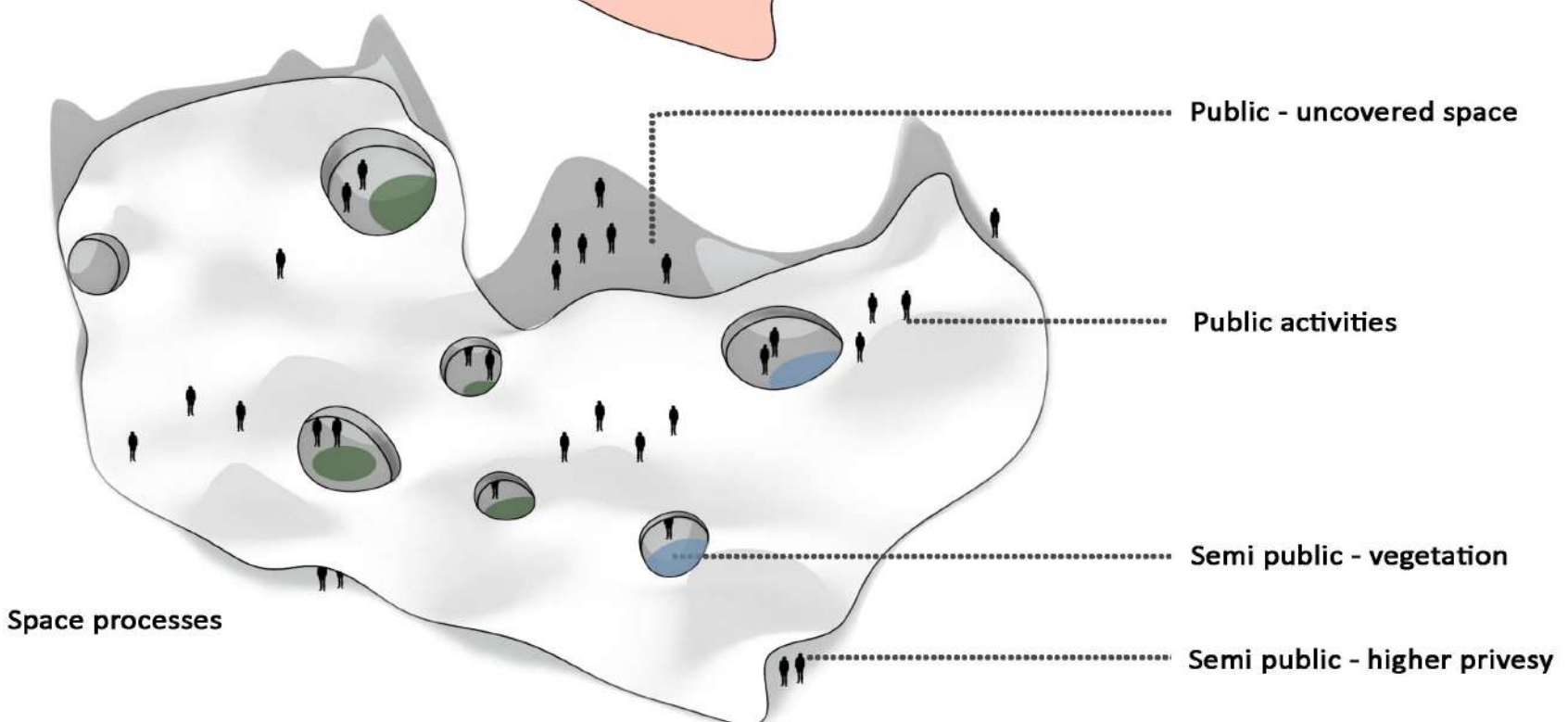
# TRANSFORMATION OF SPACE



Covering surface

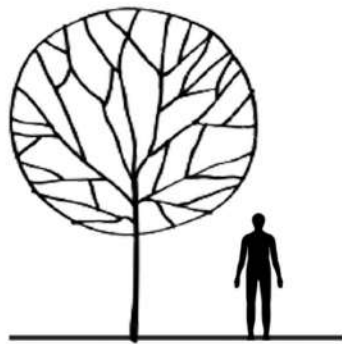


Ground surface

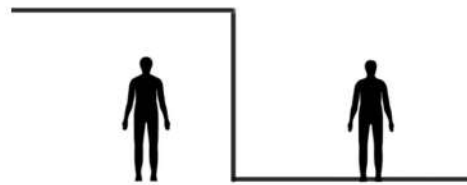




**TRANSFORMATION PROCESS**  
 EXPERIENCE OF DIFFERENT SPACES  
 EXPERIENCE OF DIFFERENT ACCESS PATH  
 DEFINITION OF DIFFERENT LEVELS



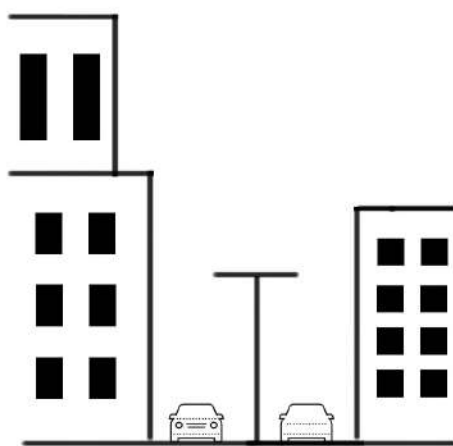
Open space area



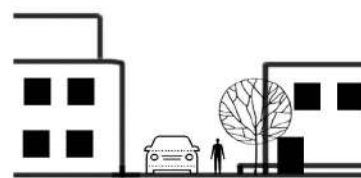
sami open and open area



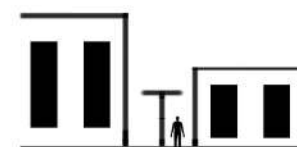
closed/sheltered area



Public/Main roads access roads



Sami public/ public access roads



Private/Secondary access road

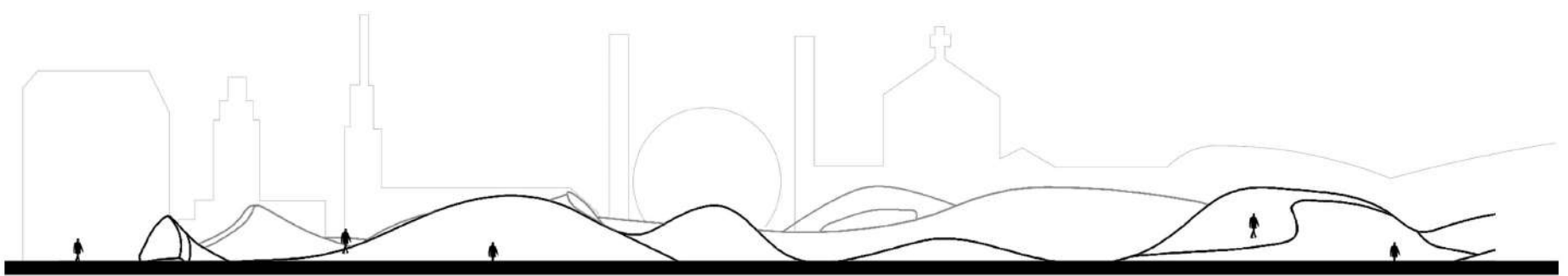
Public  
 Sami public  
 Private



Growth and movments



Space creation-Open and closed areas



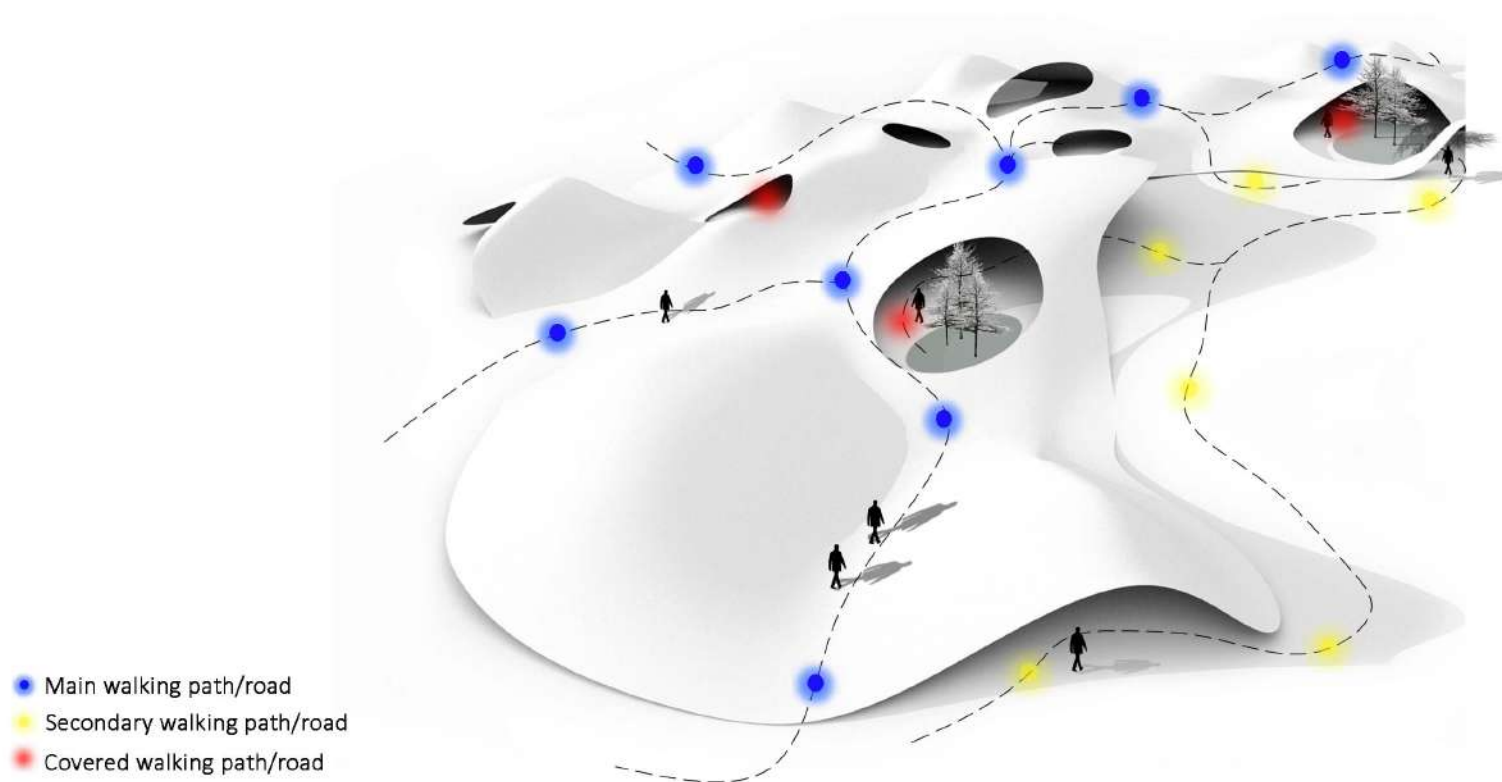
Level configurations and Comparison



Space transformation experiments + development

## Access transformation ORIENTATIONS + MOVEMENTS

Different level of surfaces defines the service of each path. this paths will transform base on space activities and behaviors.





## CITY PATTERN GROWTH NETWORK

Cities plays as a key role in the establishment of new economical ,technological and environmental aspects, they have become a breeding ground for development of new strategies and policies that makes and gives enough opportunities to people to develop and discover different cultures.

The pattern of cities changes every day, its form and functions structured base on humans daily comfort and requirements. Since my main intention was to give the possibility of changes and extensions base on the users preferences the deformations of city pattern could be the most relevant growth of network.

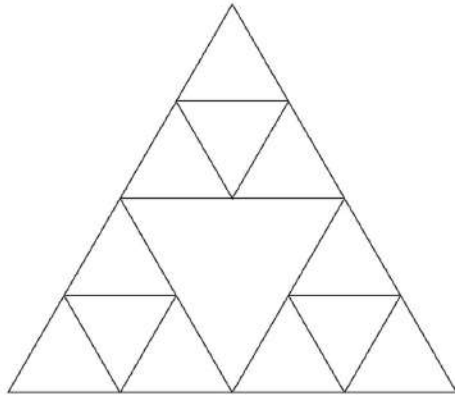
## 1.2

# **GROWTH NETWORK**



## TRANSFORMATION OF SPACE - FRACTAL COMPONENTS

### NETWORK GROWTH

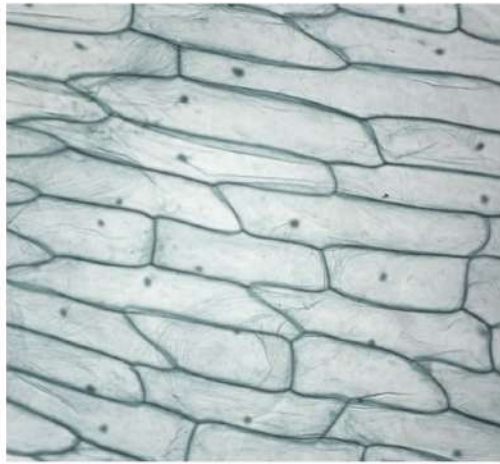


In Yazd, climate plays the most important role in designing houses. Designing of houses in this area is based on the climatic factors.

While walking in the alleys you will experience three different spaces ;Open, semi-open and closed alleys. These spaces transform from open to semi-open, from semi-open to closed and sometimes change From open to closed and vice versa.

Lighting and shading play important role and create Of sense of movement for passengers.

A fractal is a never-ending pattern. Fractals are infinitely complex patterns that are self-similar across different scales. They are created by repeating a simple process over and over in an ongoing feedback loop.



Iterative fractals and the city network development of Yazd

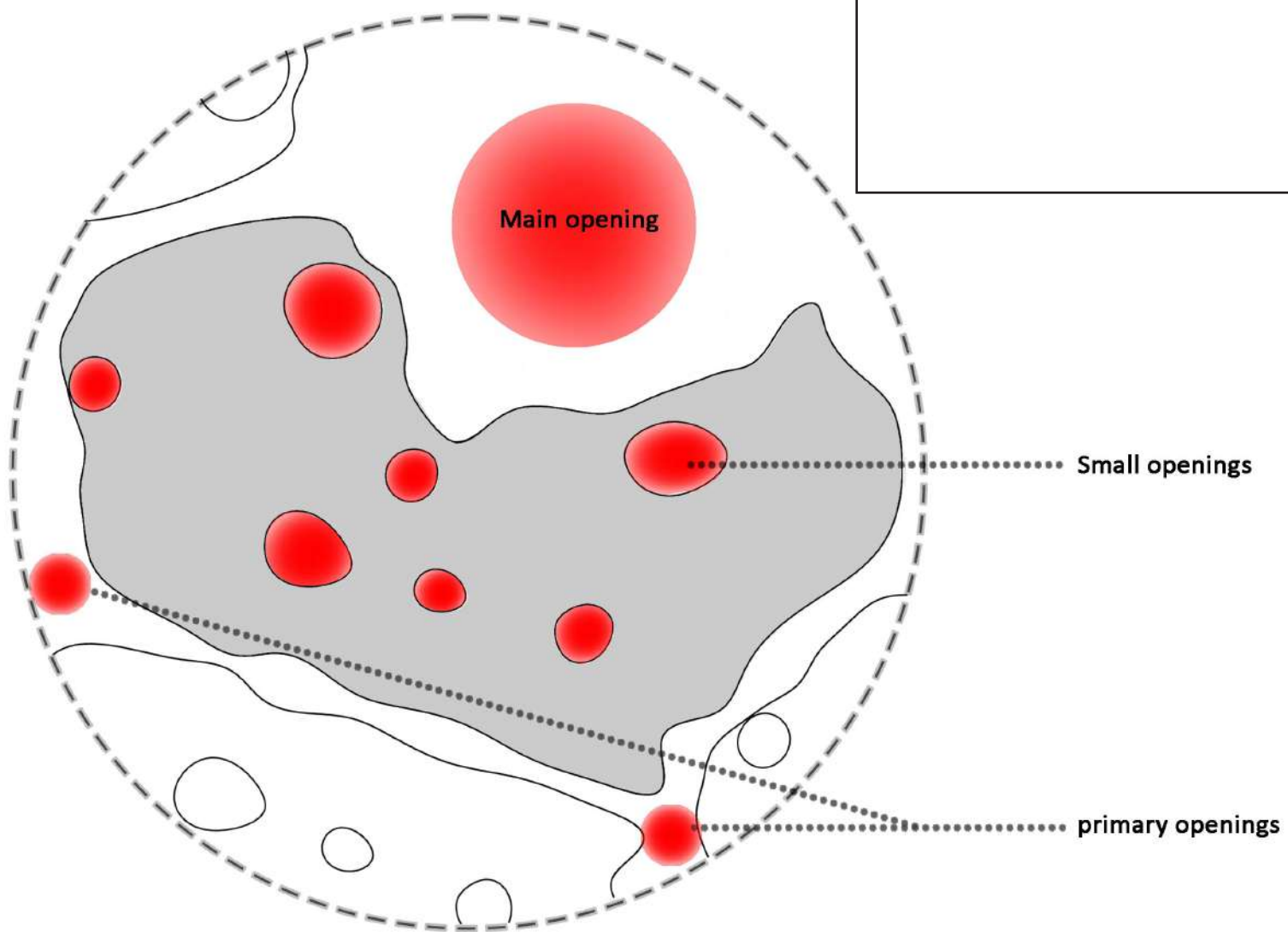






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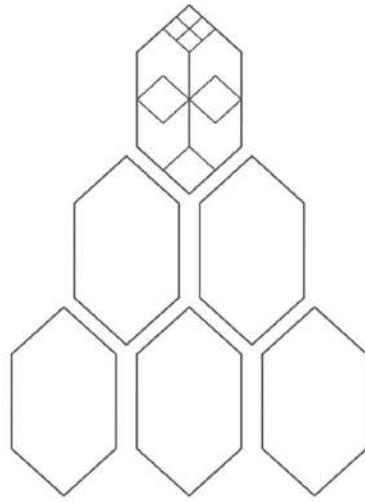




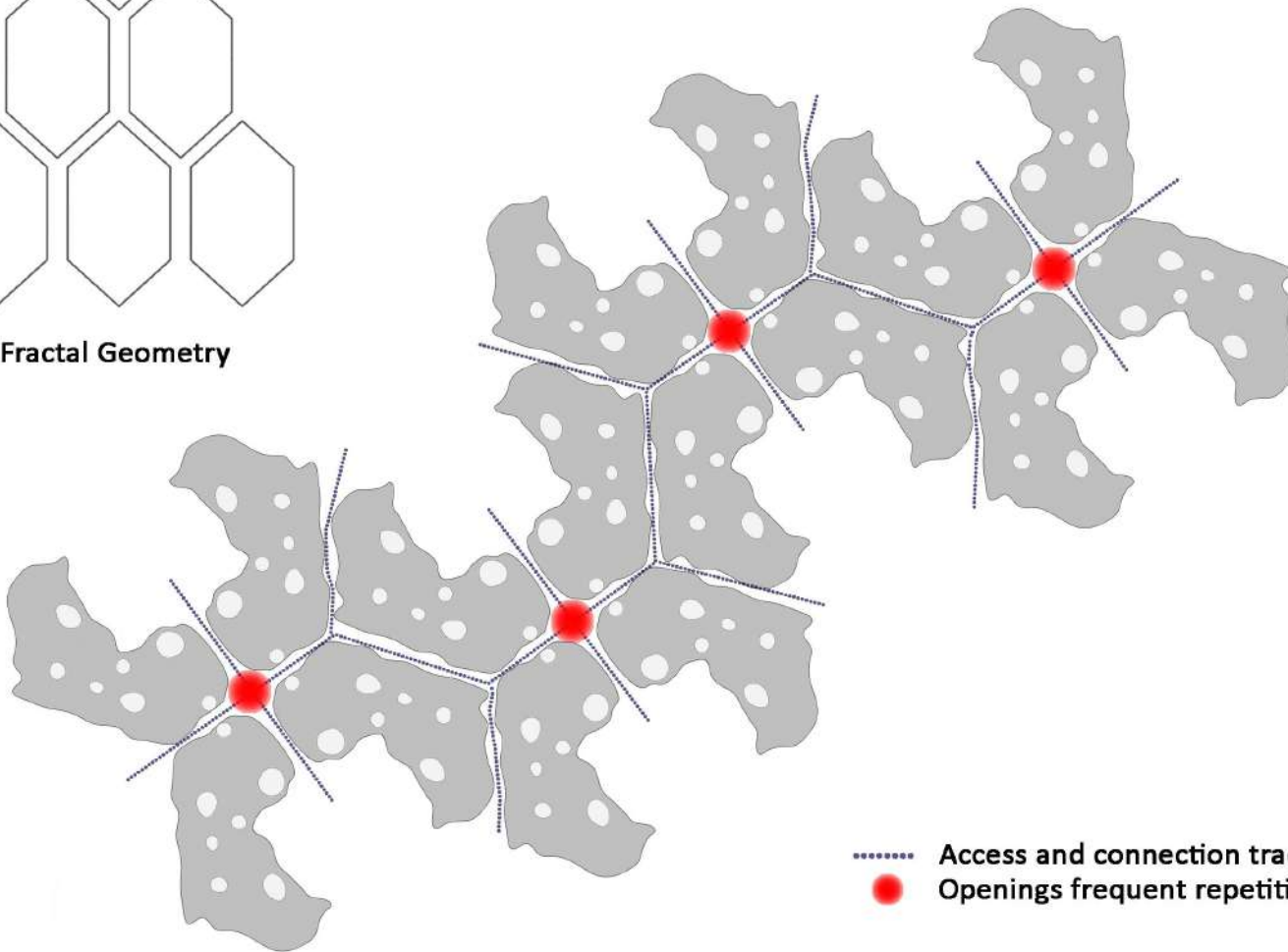
## NETWORK GROWTH

### FRACTAL EXPANTION

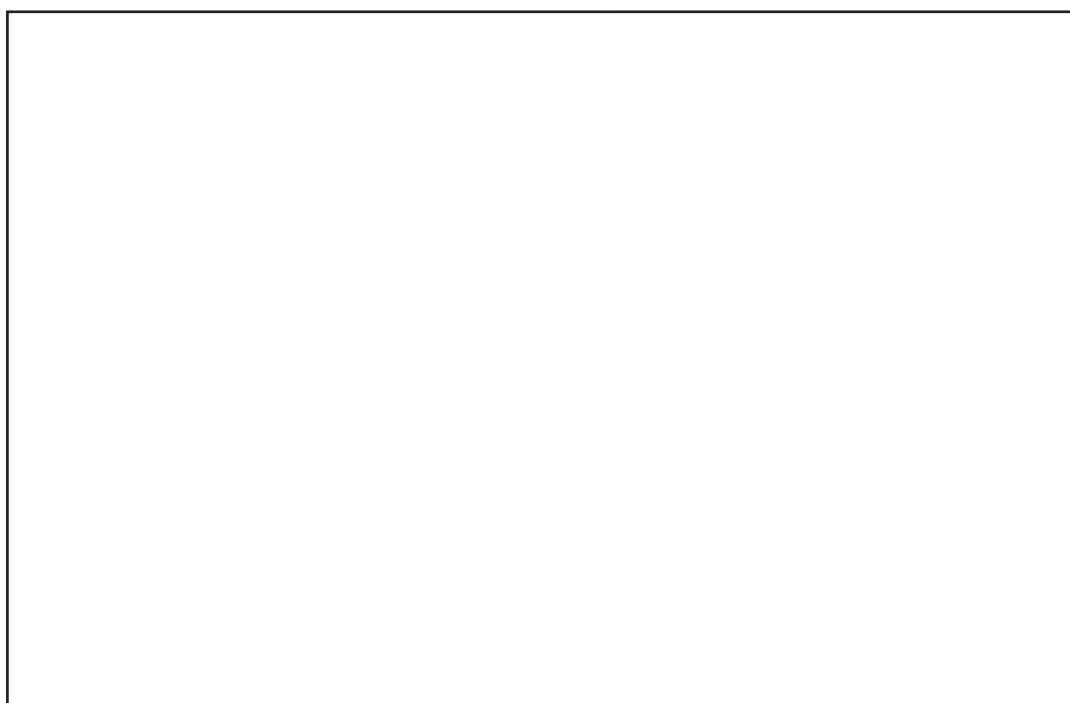
This part is about further defining a fractal network growth into a system as a whole. the openings will be repeated all over and take place in areas with higher density of population



Fractal Geometry



..... Access and connection track  
● Openings frequent repetition



This platform can be rapidly expanded throughout the system base on the area requirements and create a movement of connectivity between the existing features. This movement will form a shape with different levels which diversify space behaviours.

## LACK OF SOCIAL AND CULTURAL CONNECTIONS

### HOW TO SHARE AND MAKE CONNECTIONS BETWEEN DIFFERENT CULTURE AND SOCIETY?

Your culture and traditions can be shared through storytelling, music, art, dance, song and et... you can also help bridge the gap by sharing aspects of your social influences . you may take part in their celebration or significant life events. furthermore, in an international environment, new creative spaces can help people to integrate their stories into a more diversified community. the sharing of different cultures will help society to abandon their mind and lead them to understand mankind behaviours in a more meaningful way.

#### Toxonomical categories of sharing culture

- Food
- Shelter
- Art
- Knowledge
- Religious
- Resources
- Work

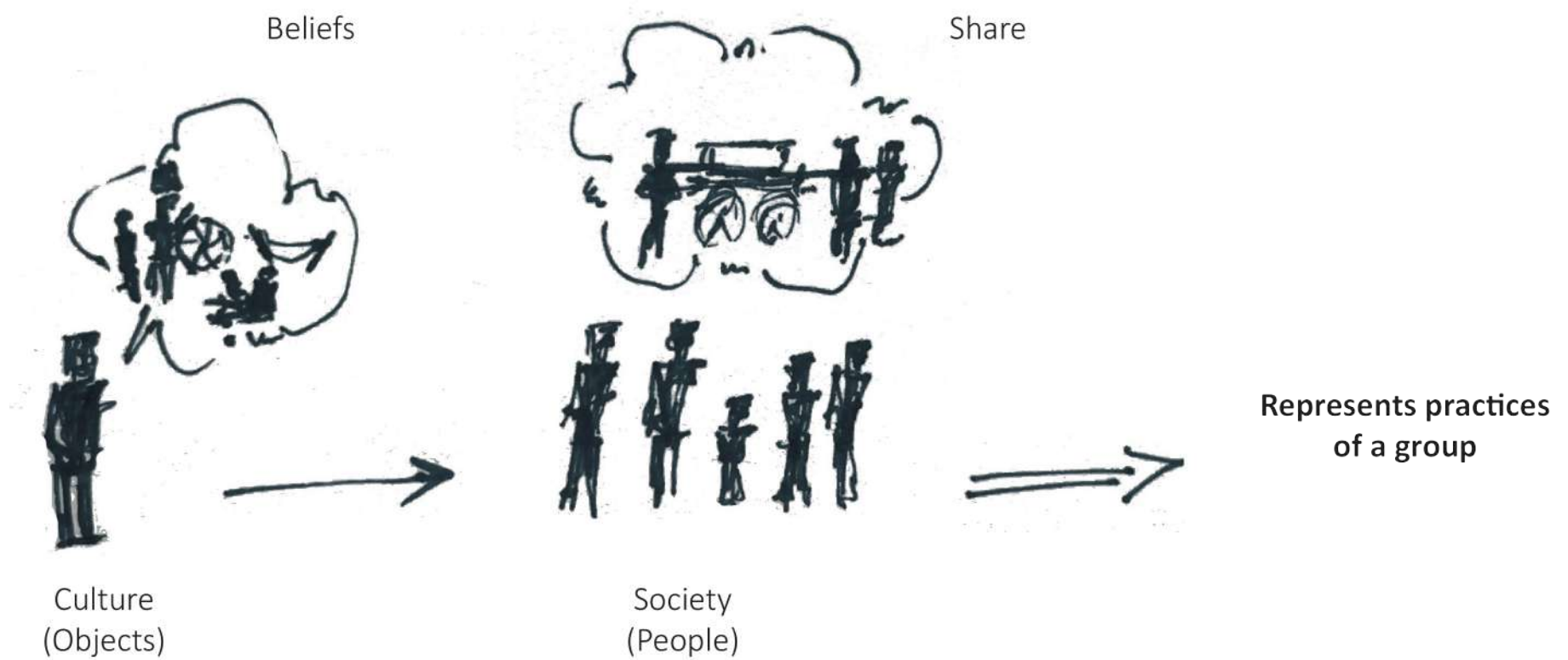


2.1

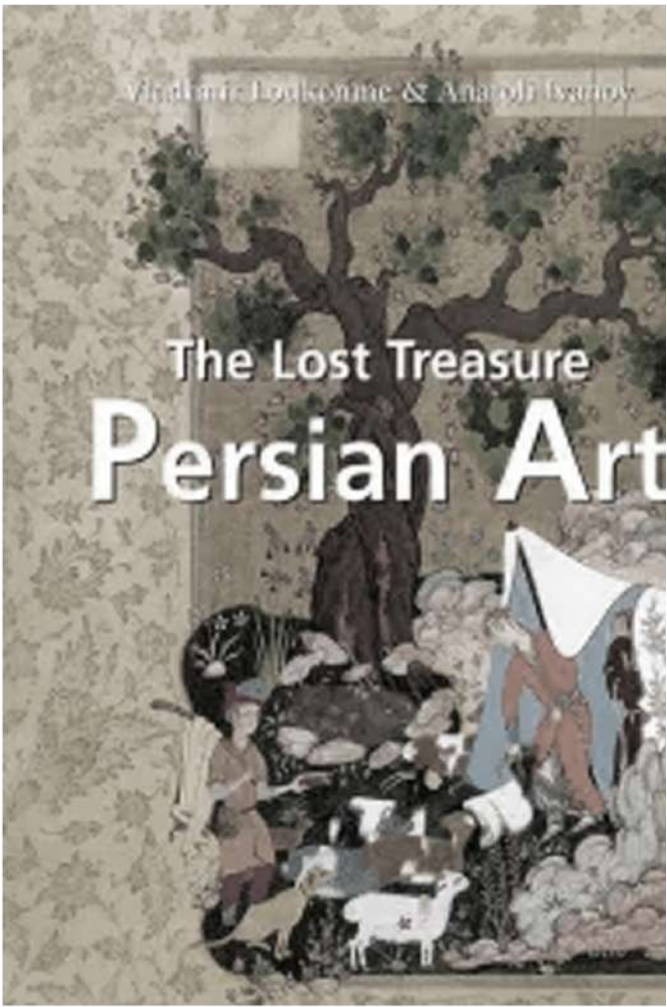
## **PROBLEMATIZED WATERFRONT**

## CULTURE AND SOCIETY

Culture is what differentiates one group or society from the next. A culture represents the beliefs and practices of a group, while society represents the people who share these beliefs and practices; neither society nor culture could exist without the other.







## PROBLEMATIZED CONNECTIONS

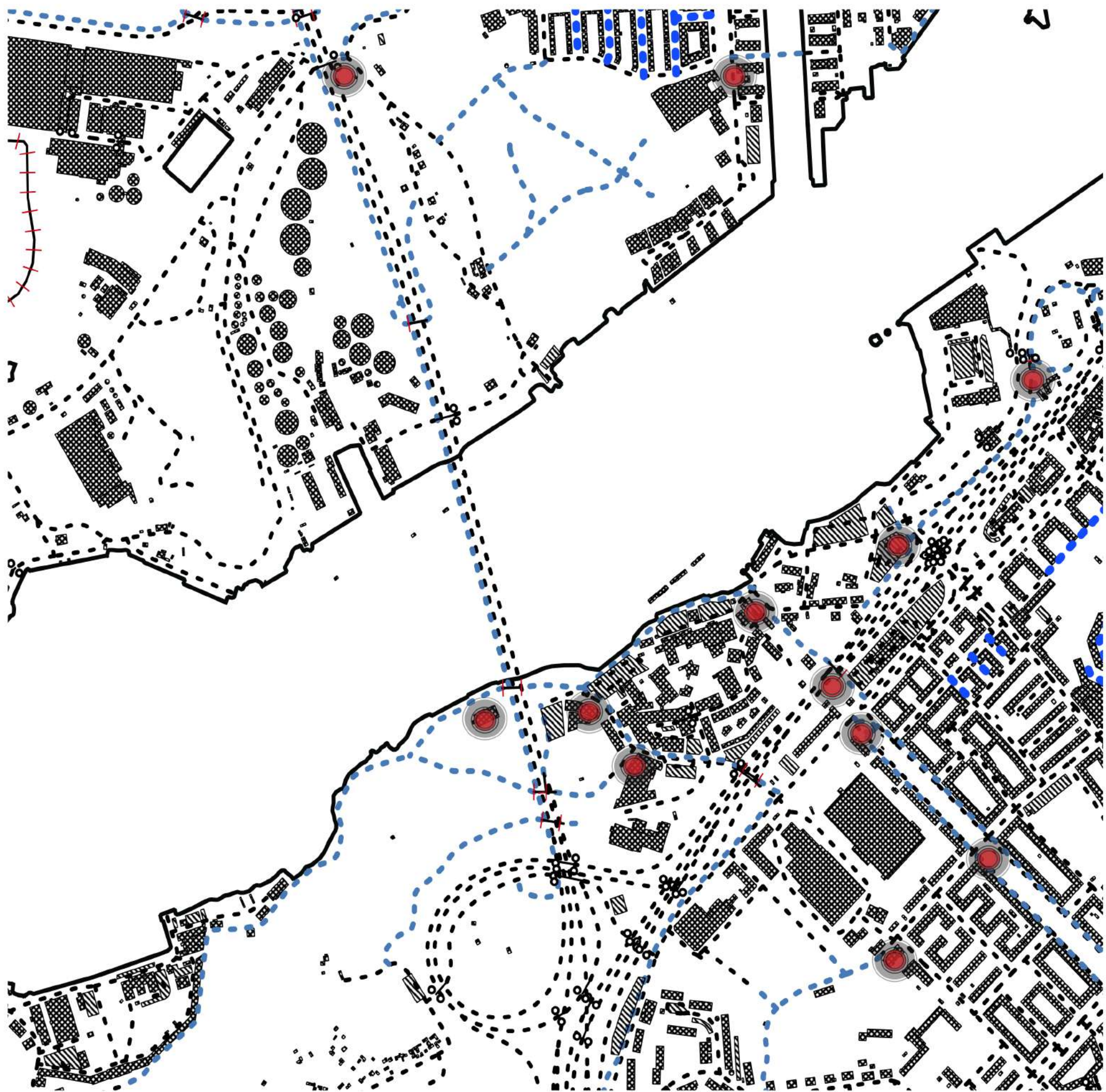
As we can see, the growing population makes cities expand, especially in a city with diverse cultures like Gothenburg. It is critical to see the city as a place not only for automobiles but also for humans. We considered cities as places of interaction. Near the Älvsborg Bridge which connects the north and the south part of the city, we found out there could be a potential to expand a network with the concept of art and cultural events by creating the connection of land to the water.



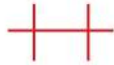
2.1.2

## **WATERFRONT CONNECTIONS**

GENERAL PATHS AND CONNECTIONS



Walking path



Pedestrian passage

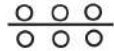


Parkings



Schools and cultural

General path

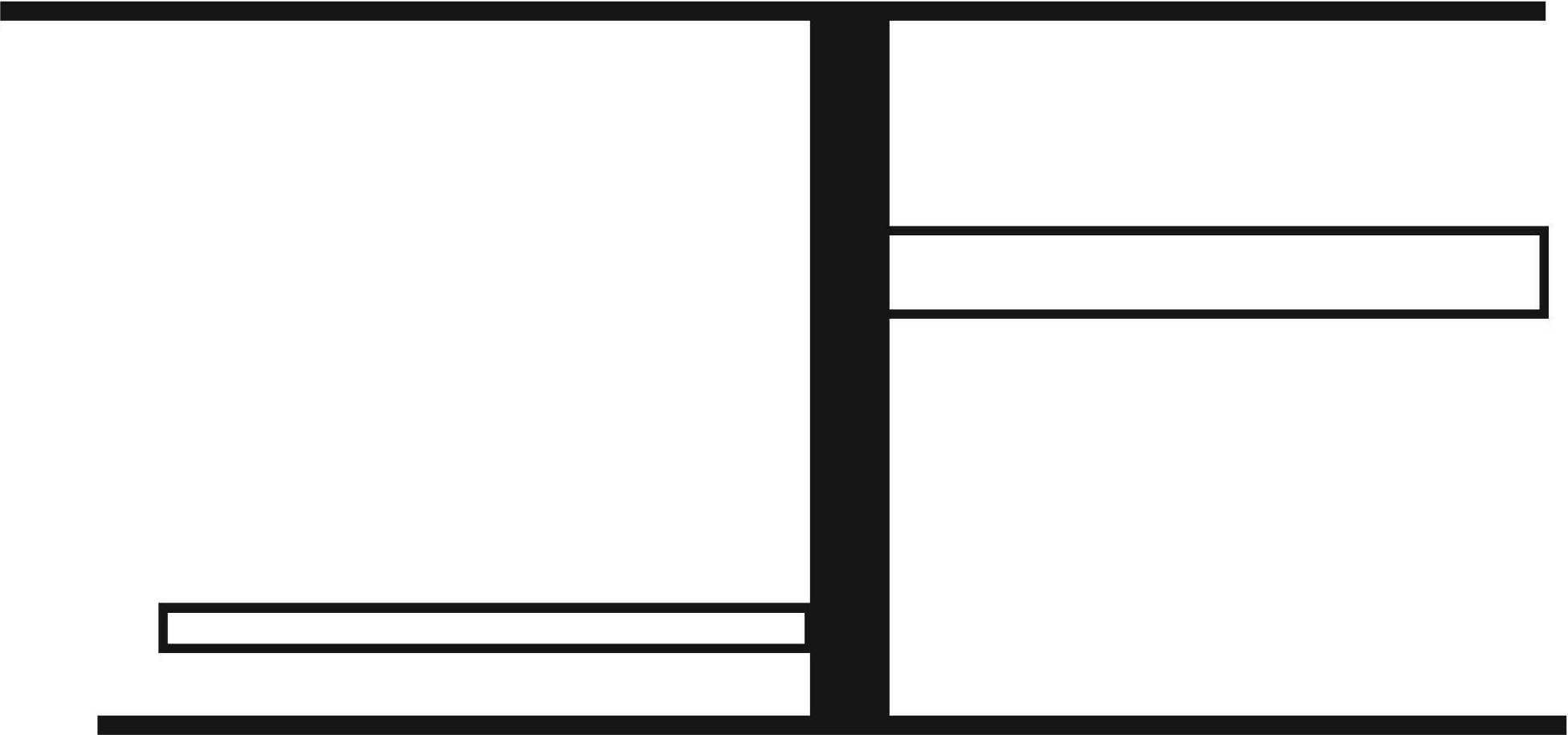


Tunnels



Buildings

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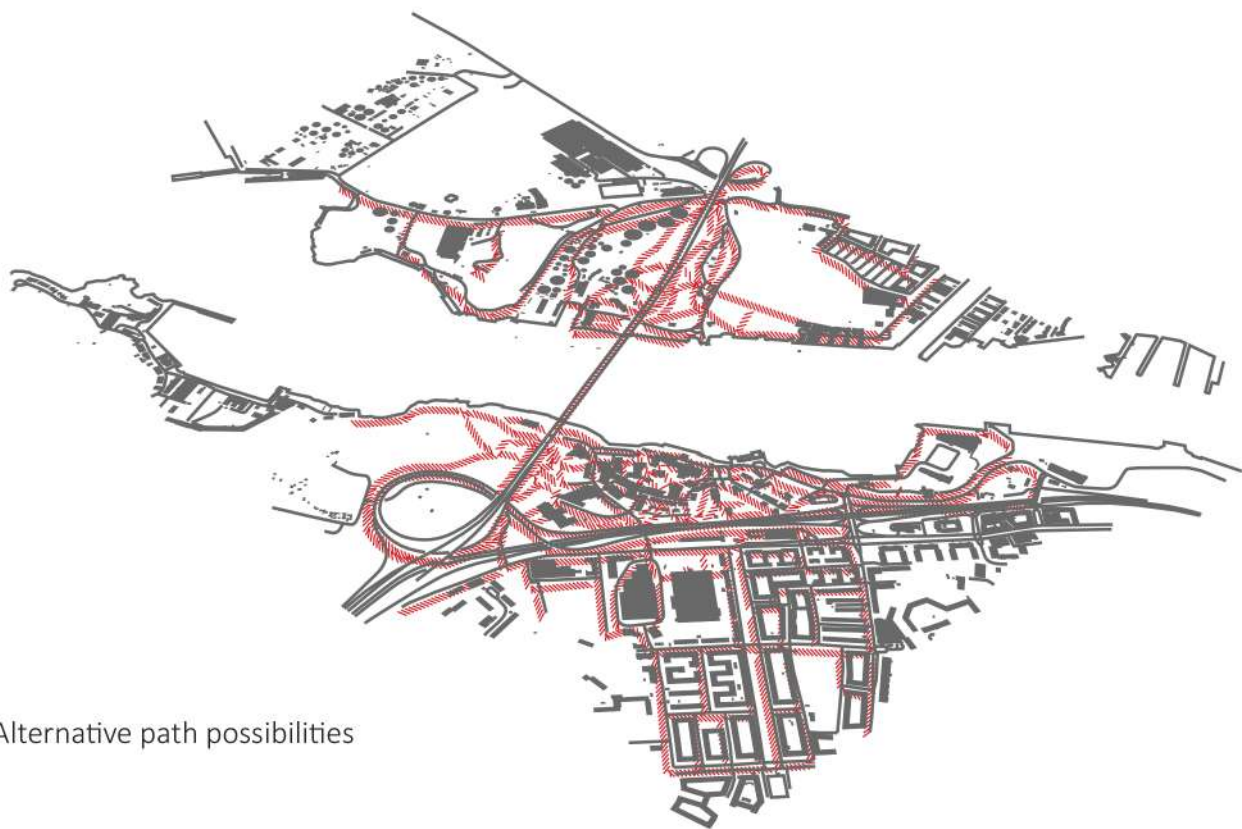


Water

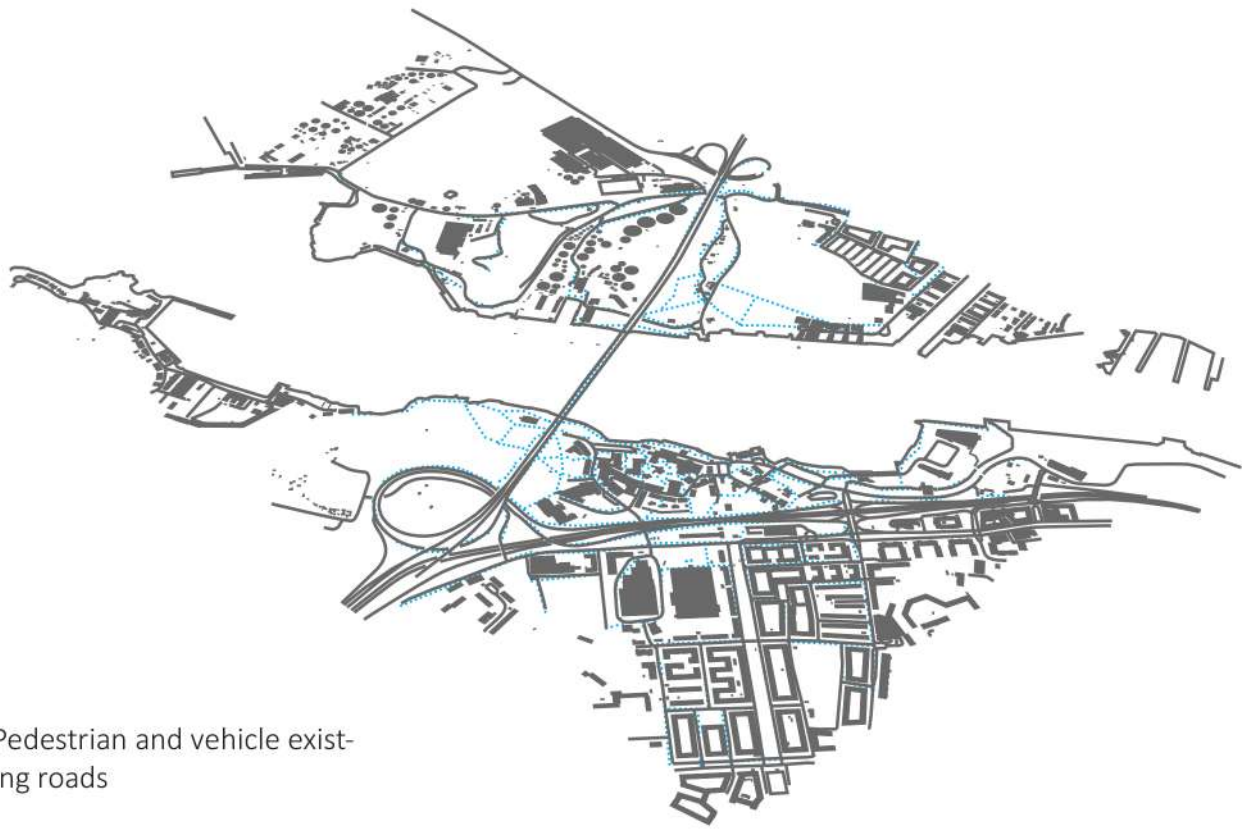
Land



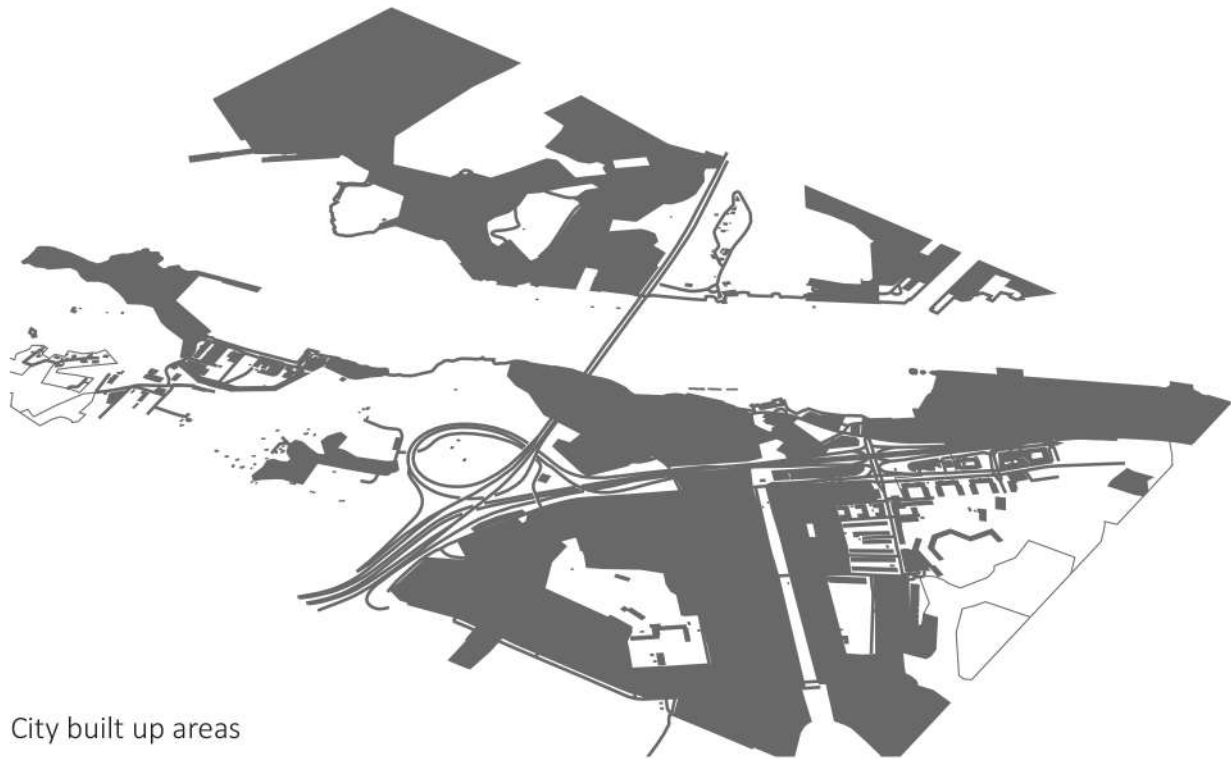
EXISTING ROAD PATHS AND AND CREATED TRACKS



Alternative path possibilities



Pedestrian and vehicle existing roads



City built up areas

# SITE ANALYSIS AND UNDERSTANDING

Analyzes of the area have been made to deepen the understanding of the context. The concept of space transformation refers to the movement of people on different paths and their variations, therefore it is of interest to examine how movements, paths and connections flow between the North and south side of the Göta river.



Main connections



## PROBLEMATIZED CONTENTS

In the bigger micro-scale, cultural connections can be found in the diversity of content and places. On the Northside of the city, the new industrial and commercial building has been located and as the living population increases in this area, more activities are provided such as; cultural centres, schools, Art galleries et... compared to the opposite side of Göta river.



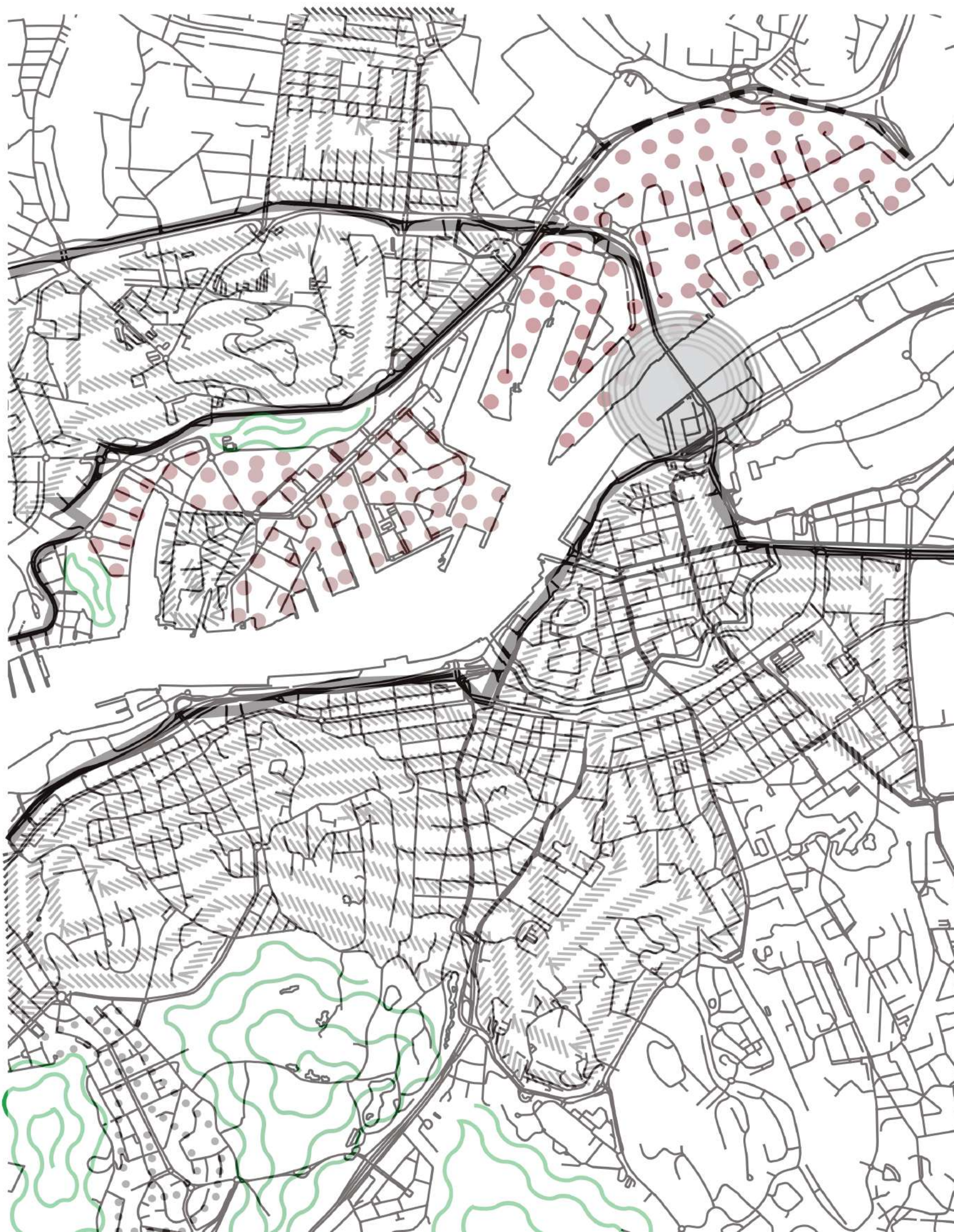


### 2.1.3

## **CONTEXT SELECTION**



## MAIN CONNECTIONS AND MOVEMENT ACTIVITIES



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## MAIN CONNECTIONS AND MOVEMENT ACTIVITIES



Bridges



Residential and commercial area



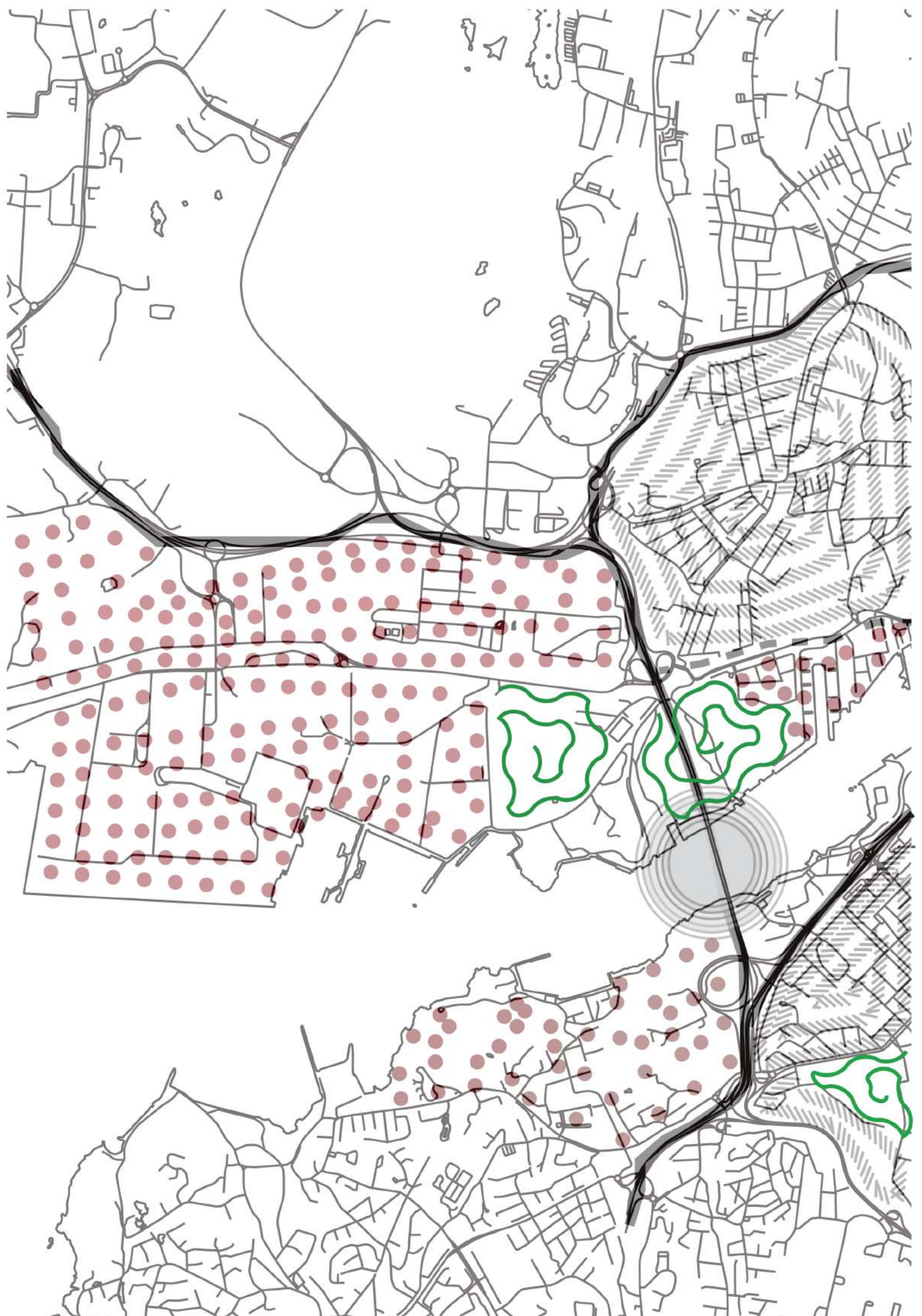
Main connection path



Industrial area



Vegetation





## A CONNECTION FOR CULTURAL EVENTS

An international and public place can help people to integrate their stories into a diversified community. Thus sharing of cultures and traditions will broadens peoples mind.

But the question is, how we can encourage people to participate in public gatherings.? how choices of pattern can help us to approach to our desirable aim.?

## URBAN NETWORK ALTERNATIVE PATH CONNECTIONS PROTOTYPE

The paths alternative of selections, shapes different walking paths for the users in order to reach their desired destinations. The more frequent the choices, the more expanded is the linked strings are.

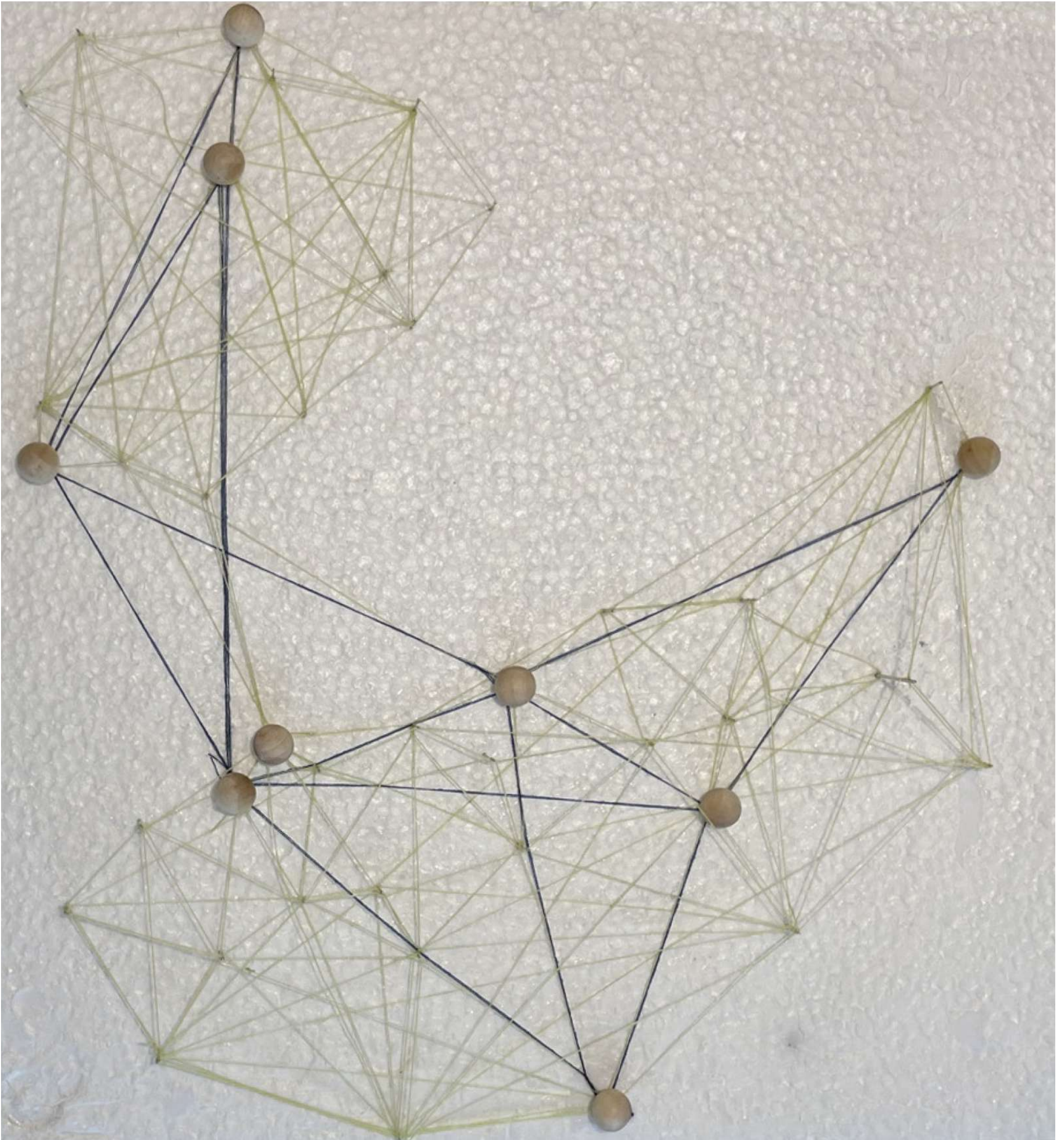


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## LINKED PATHS PROVIDE US WITH MORE ALTERNATIVES

When placing the suggested alternative paths in between the main road destinations, interactions between the paths increase which results in a higher density of spaces in between two proposal paths.



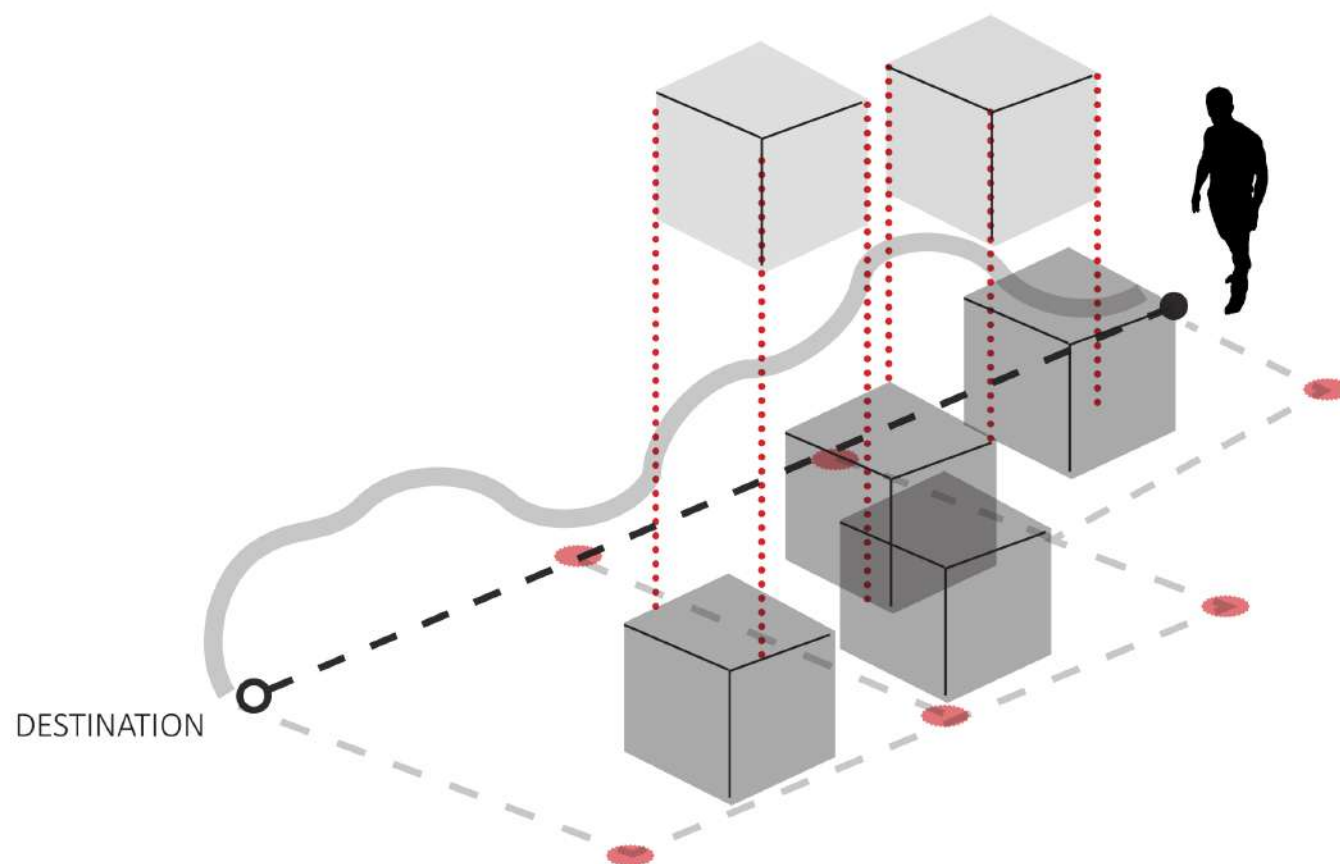
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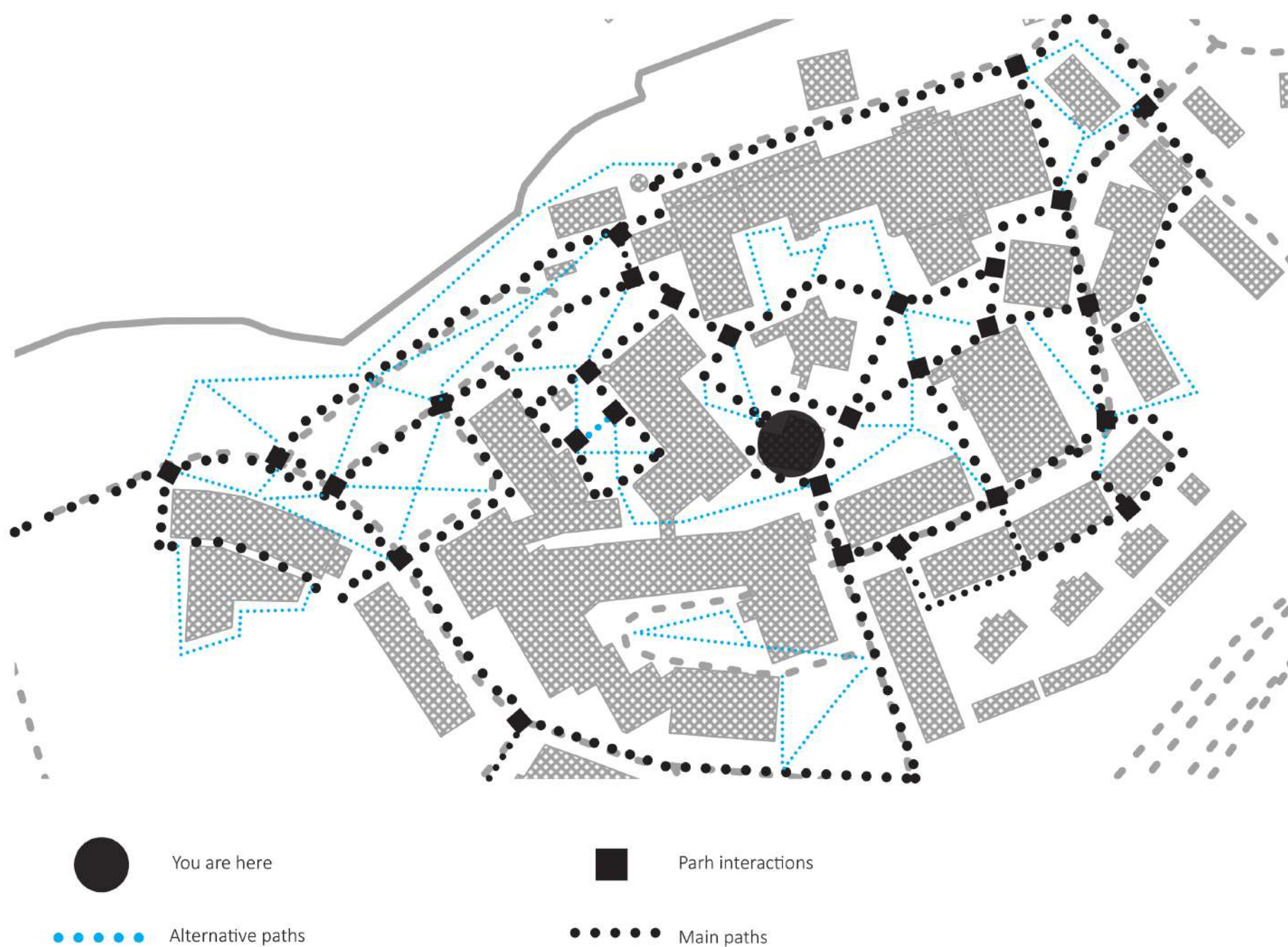
2.1.4

## **INDIVIDUAL CONTEXT**

A CONNECTION FOR CULTURAL/ART EVENTS  
CONCEPT



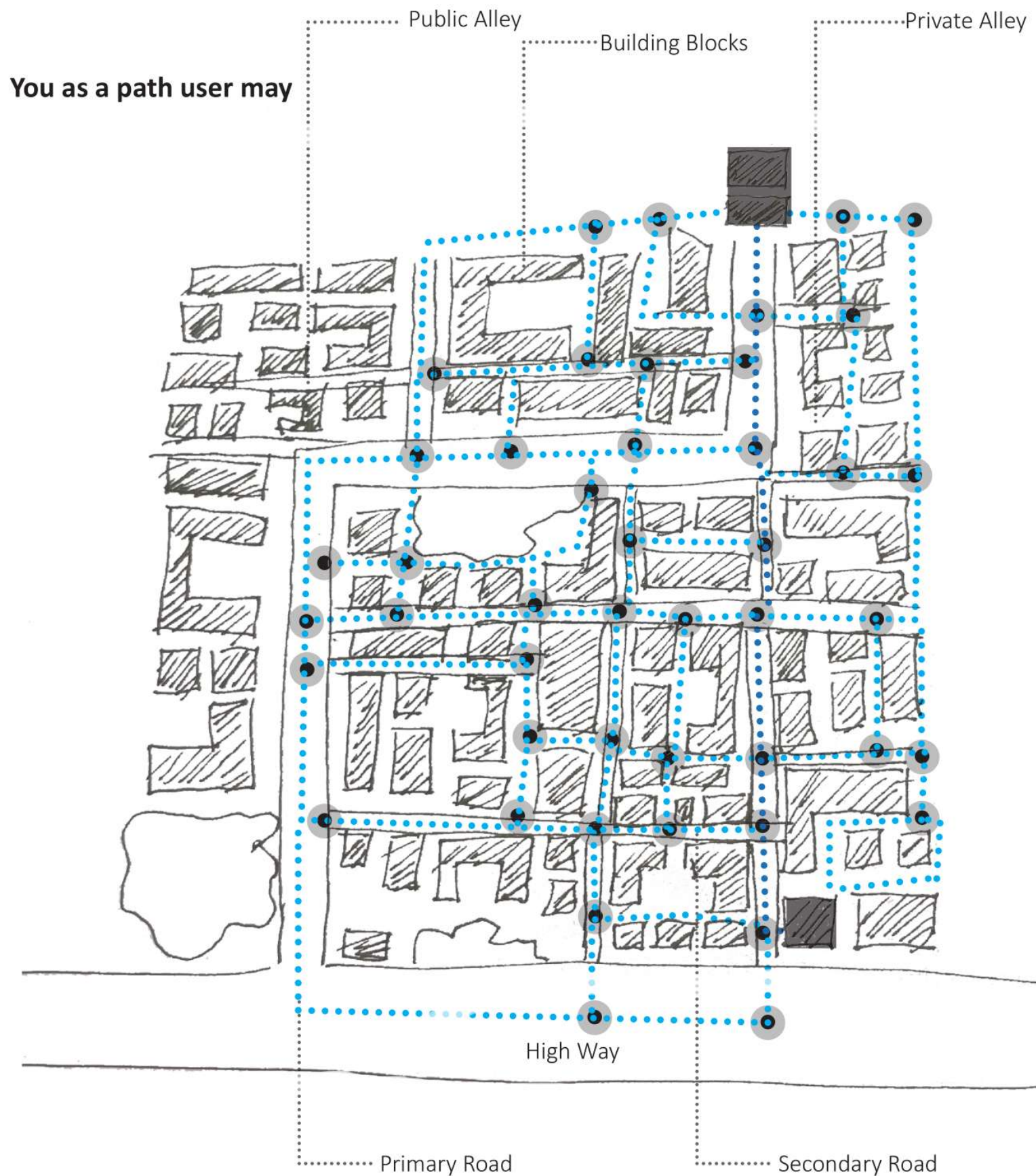
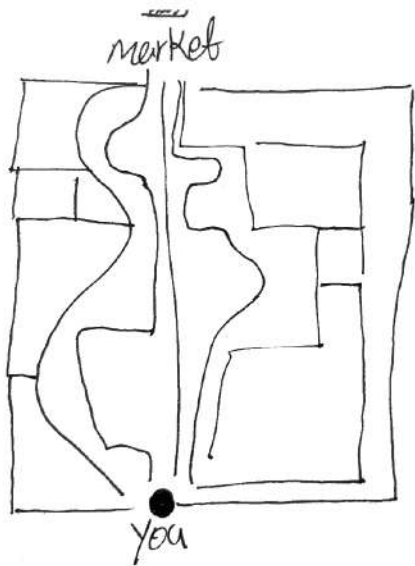
**VARIETY OF PATH SELECTION BY USERS!**





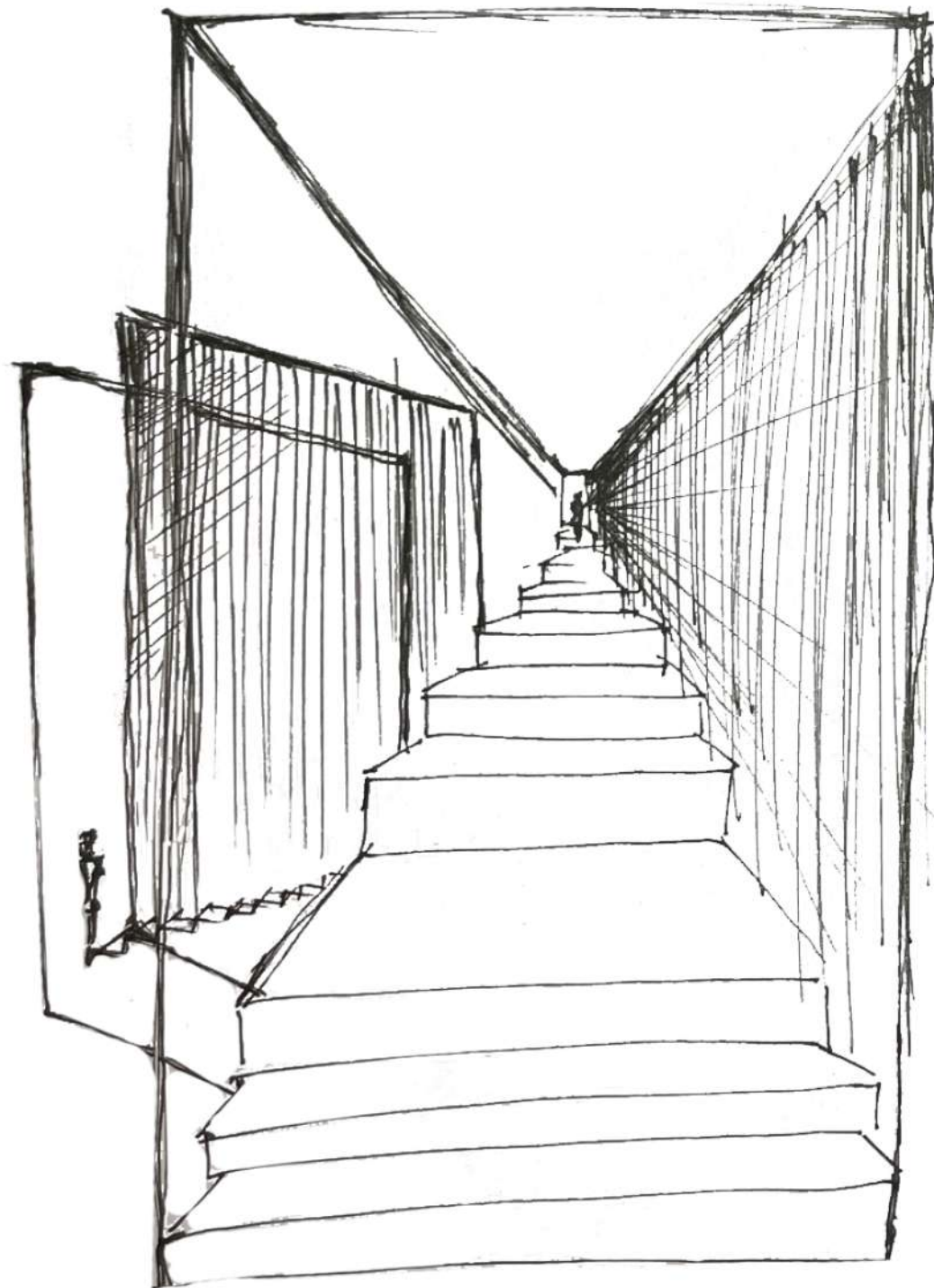
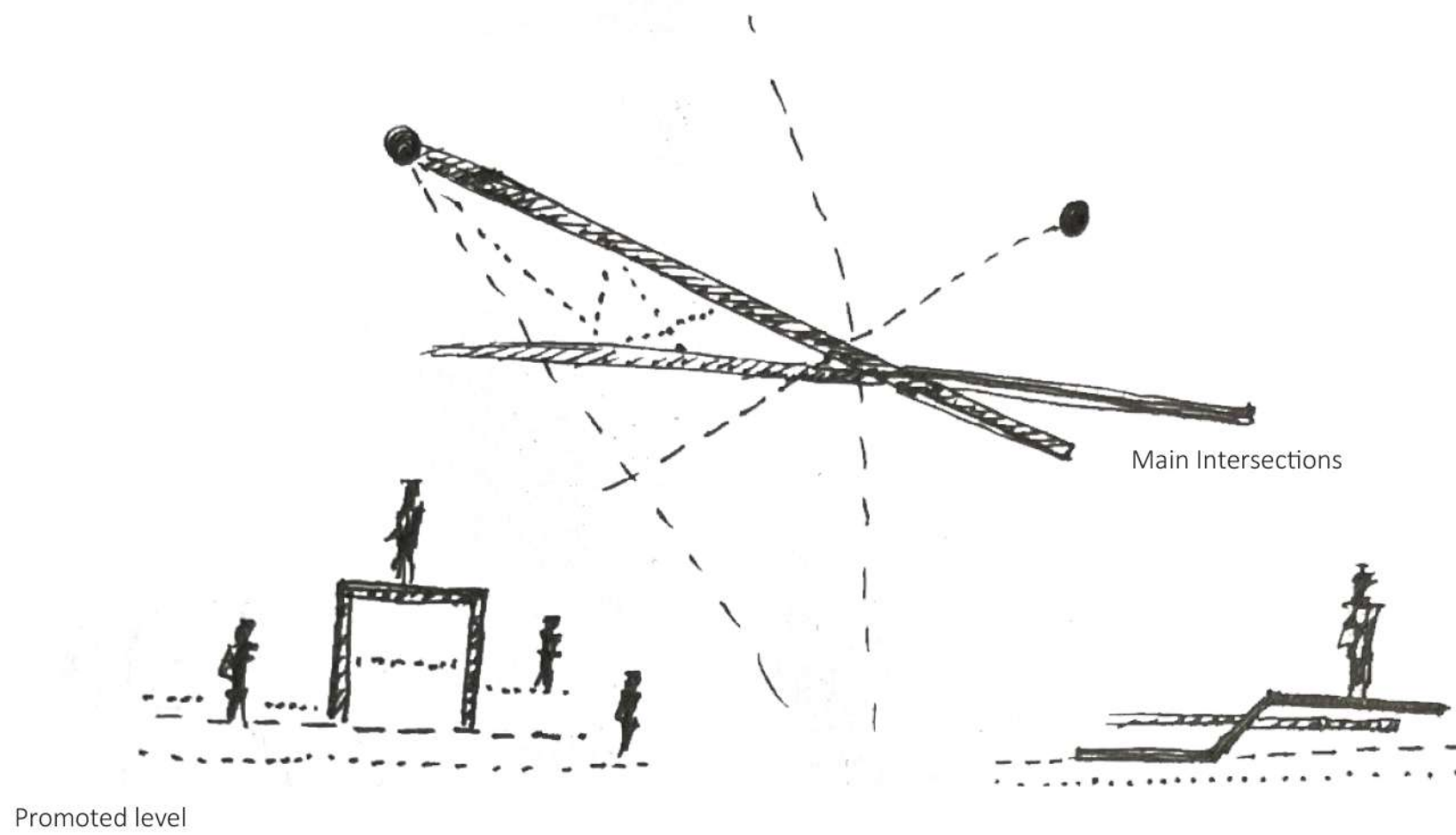
## PATH TRANSFORMATION HIERARCHY

People may walk, cycle and use public transport as their preferred means of getting around the city, the path you select may vary based on your choice of selections. But still, most of the time the paths themselves changes base on the user's expectation, transportation needs and facilities delivered by the surrounding elements/properties.



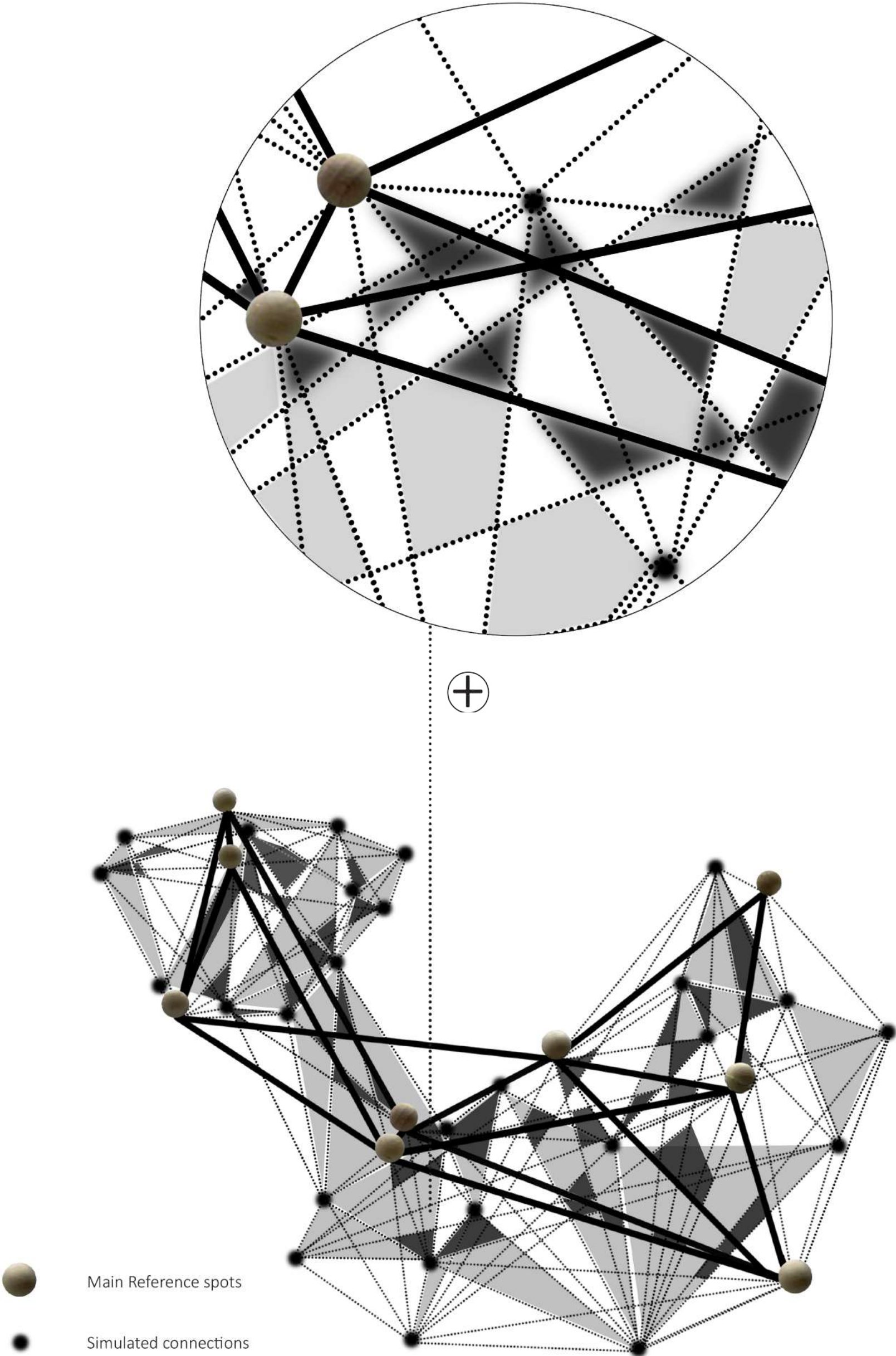


## PATH PRIORITIZING



Perspective

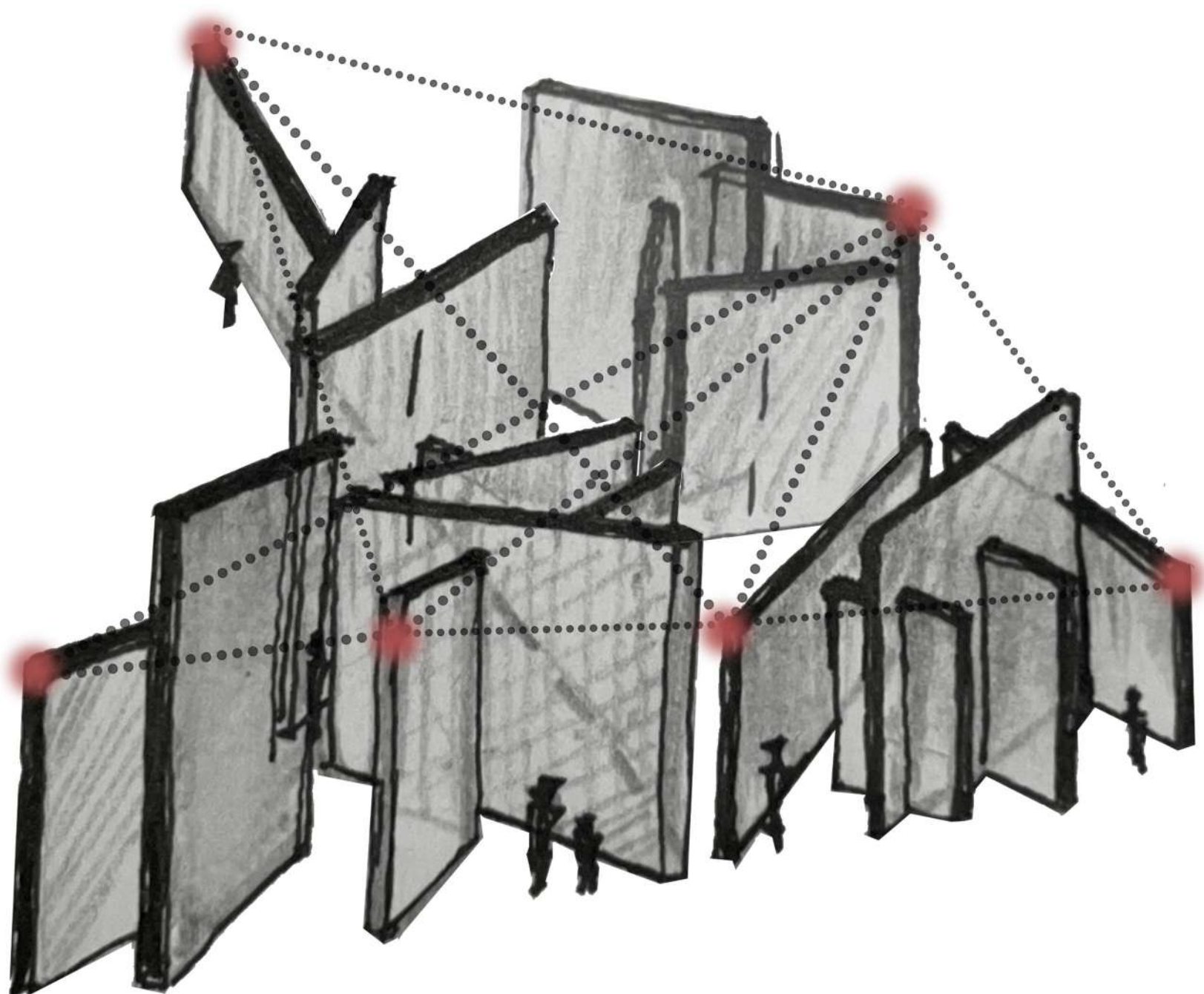
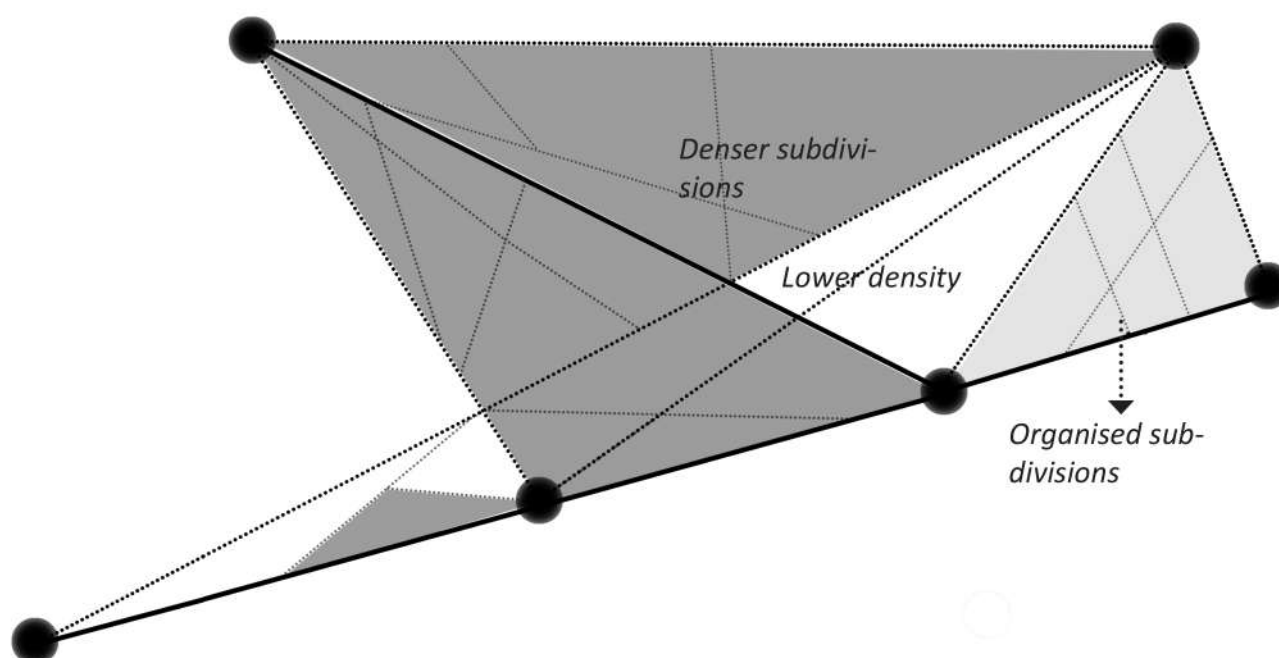
FORMATION OF SPACE HIERACHY





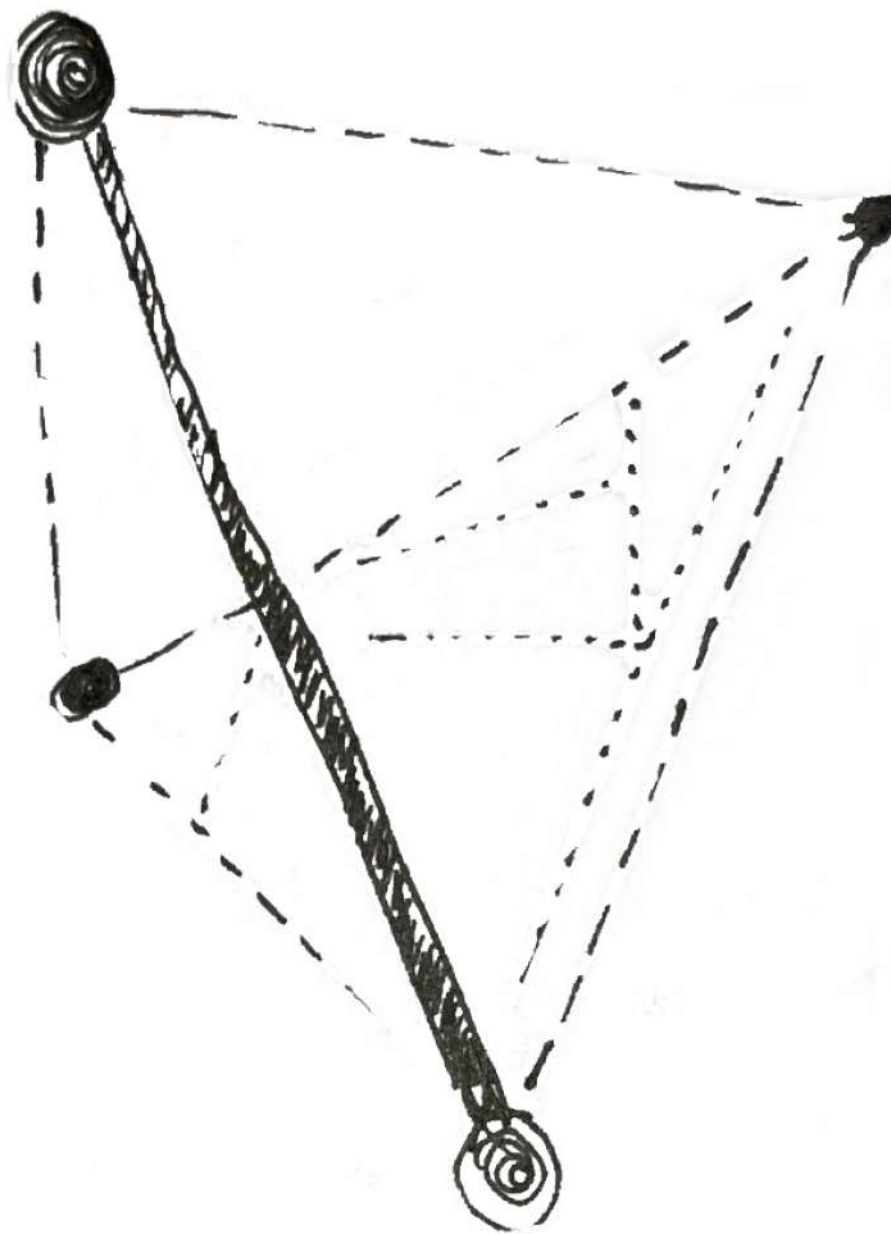
## SPACE DIVISION

Larger components are formed by  
assembling smaller components

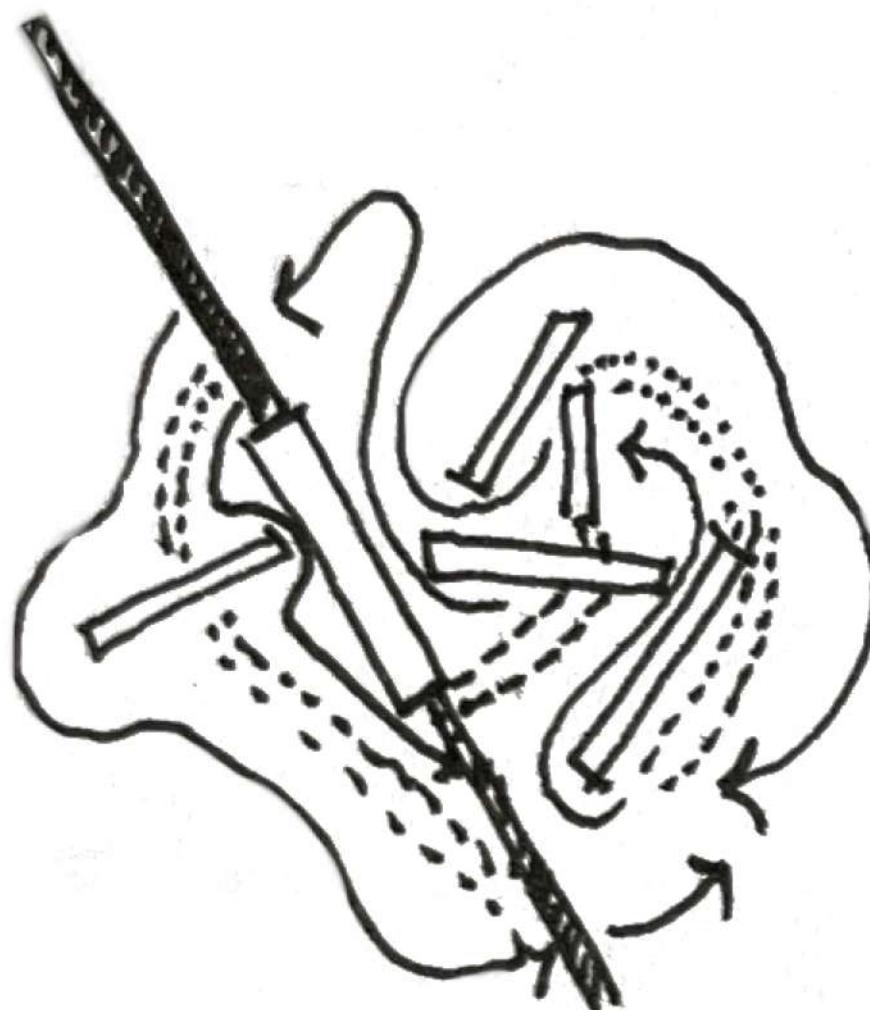




## SPACE/ROAD FUNCTION AND MOVEMENT



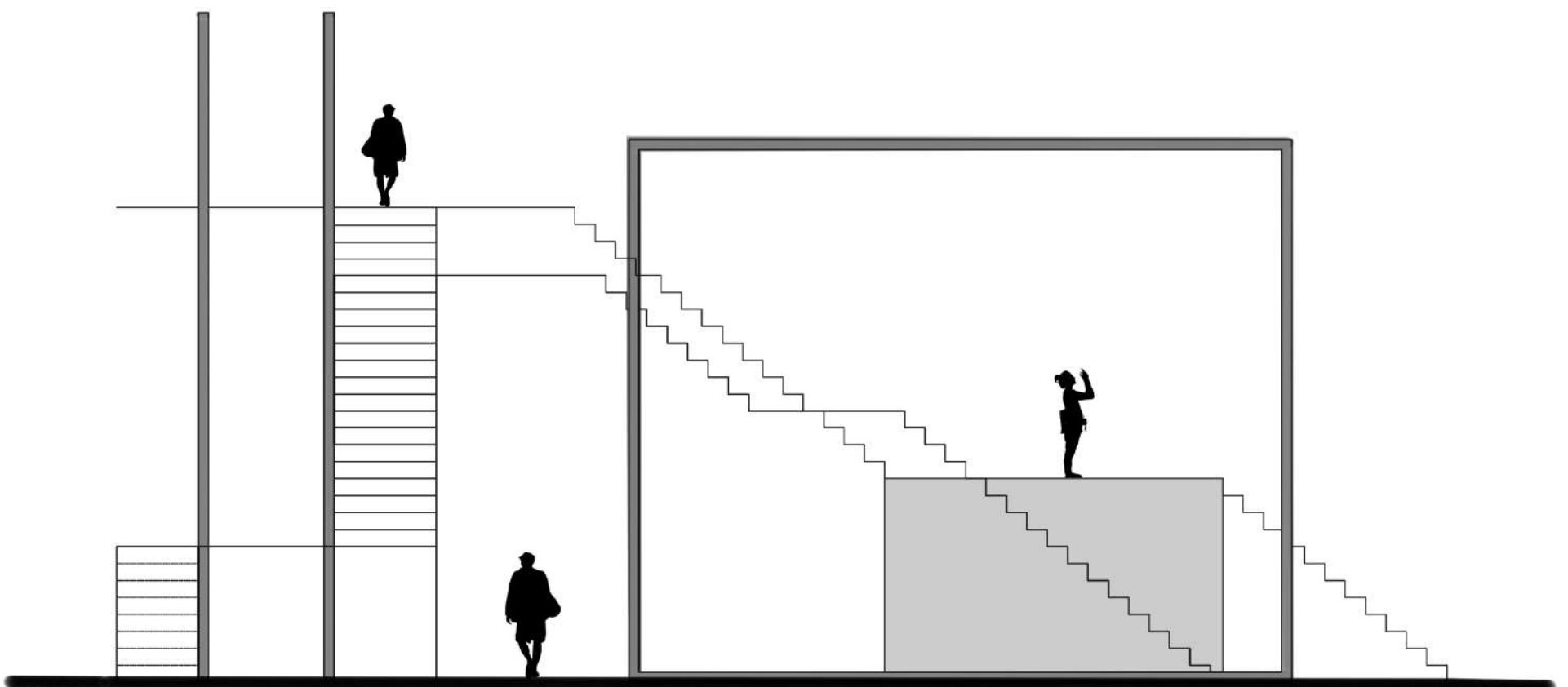
Interactions / sub interaction



Repositionings

## WALKING PATHS IN LEVEL

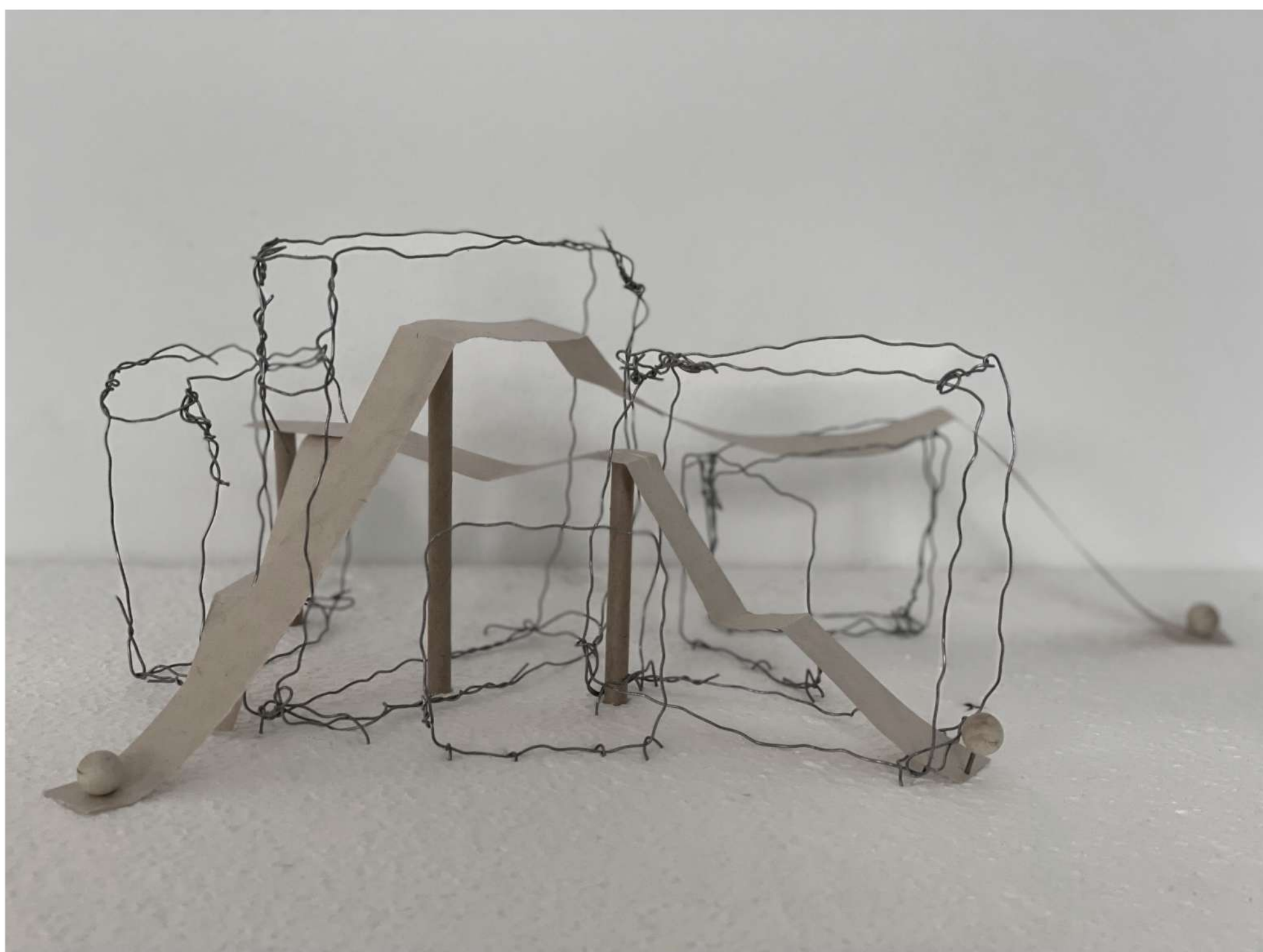
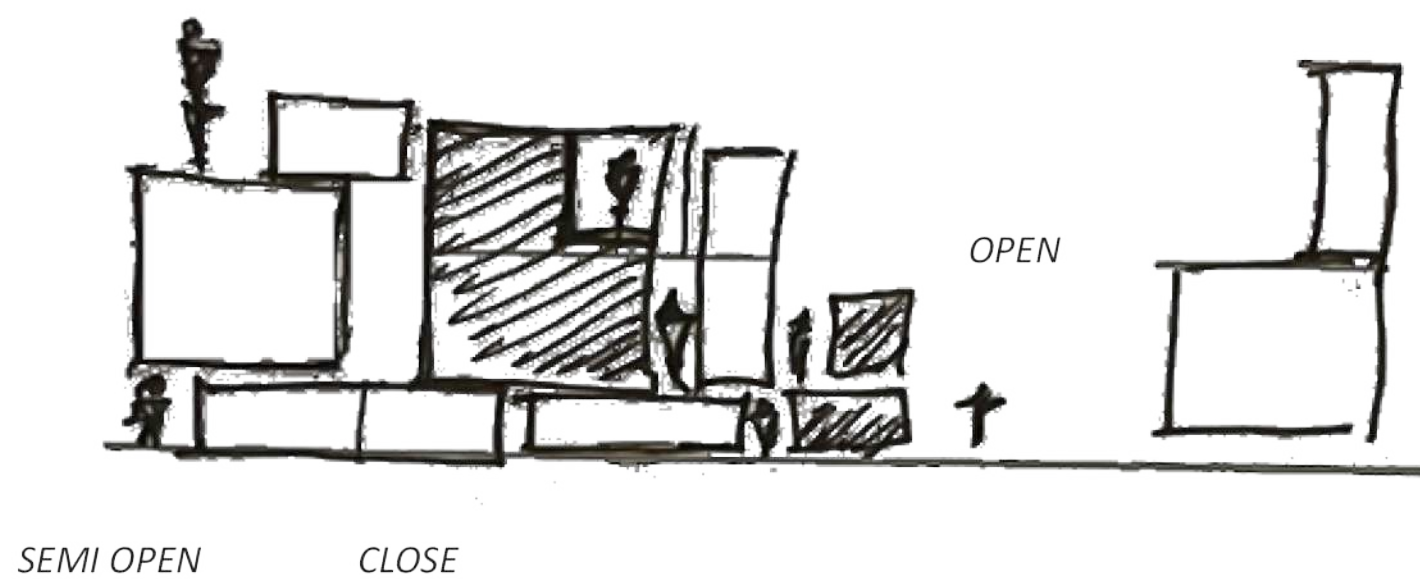
The intersection of the main walking paths will result in a variety of paths space transformations in different levels and units.



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## SPACE TRANSFORMATION RECREATION



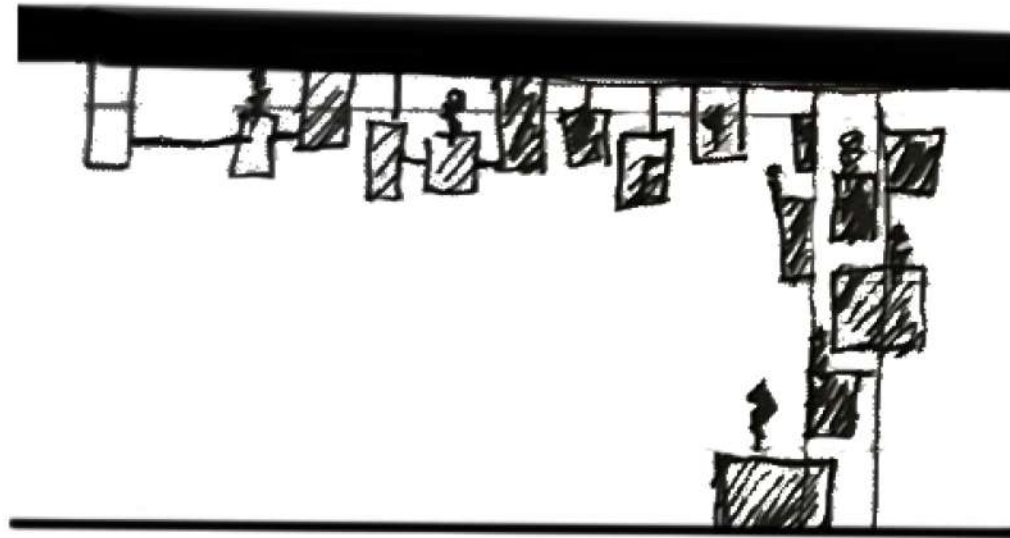
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### 3.1.1

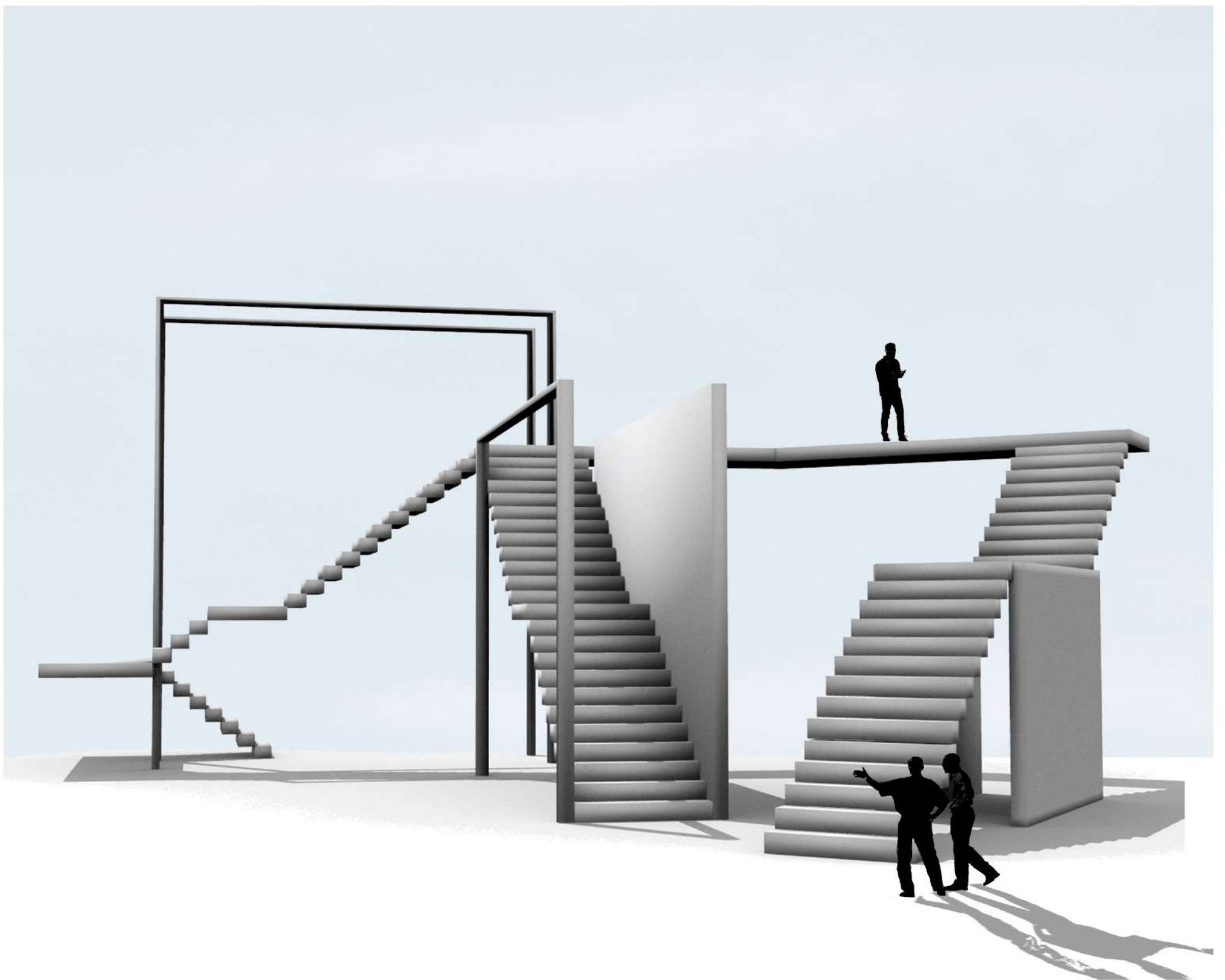
#### INDIVIDUAL HYBRID SPACE CONCEPT DEVELOPMENT



## PERSPECTIVES AND CONCEPT OVERALL VIEW



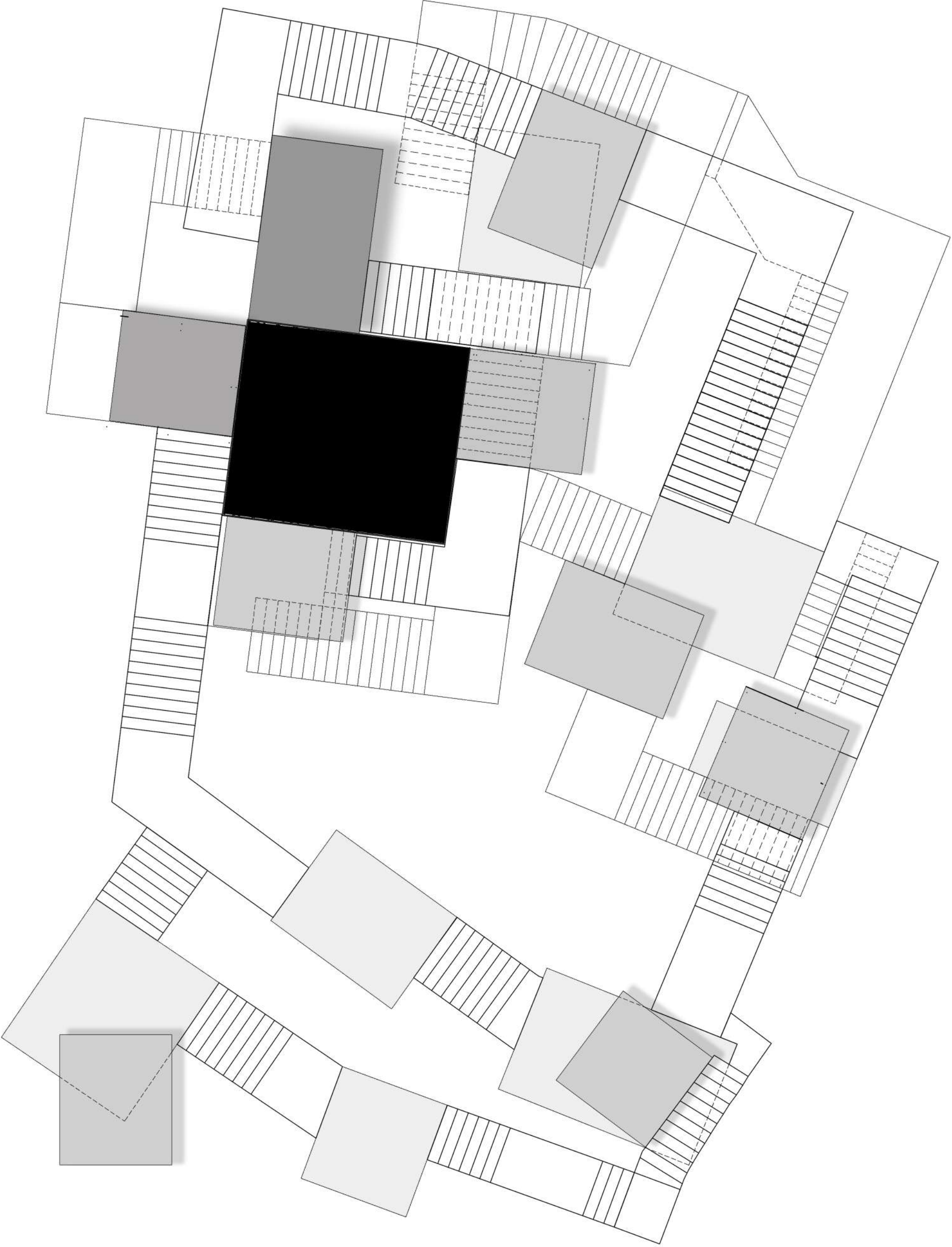
*Bridge connections*



*Perspective view*

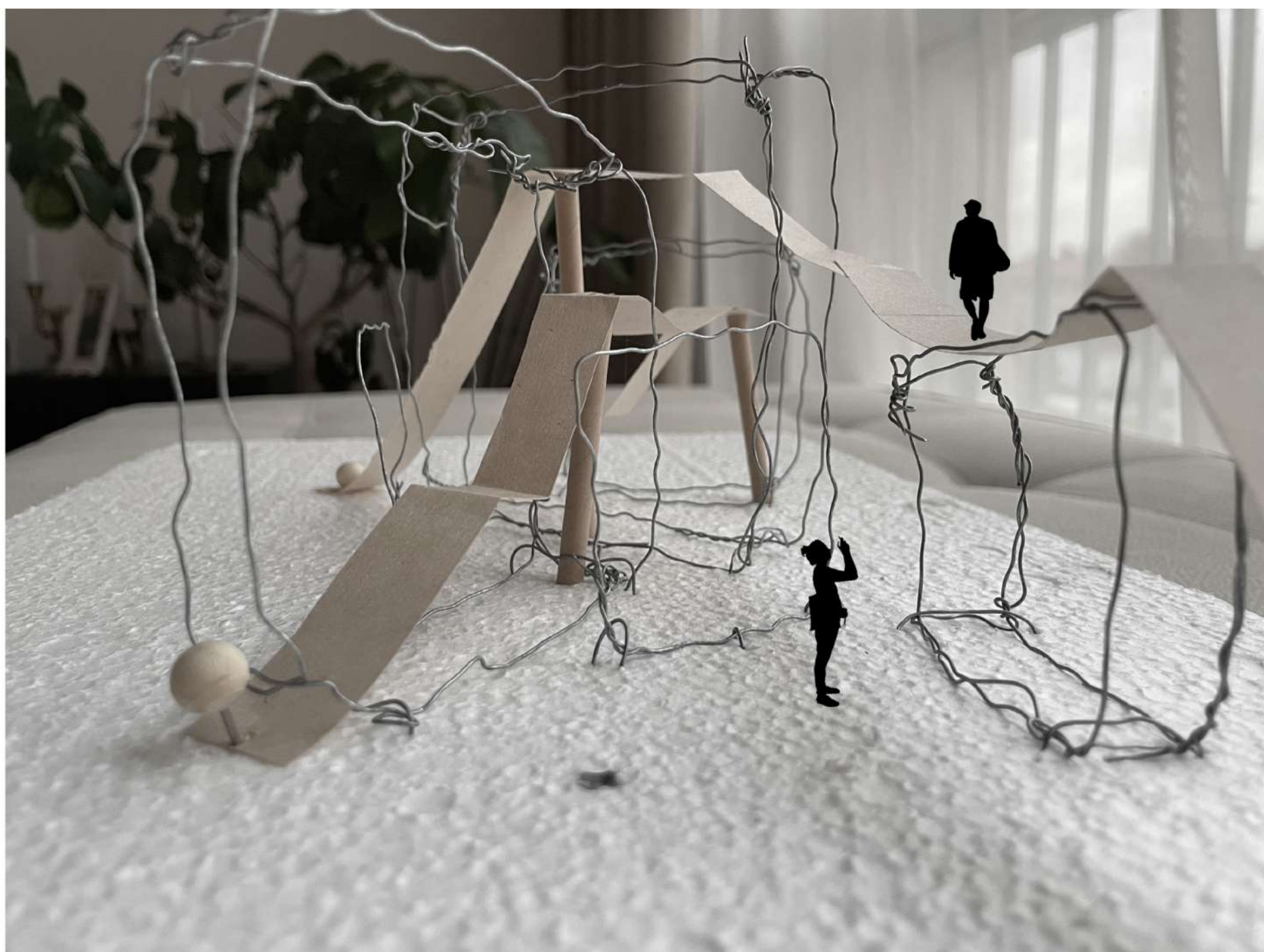
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SCALE 1:200



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*Perspective view*

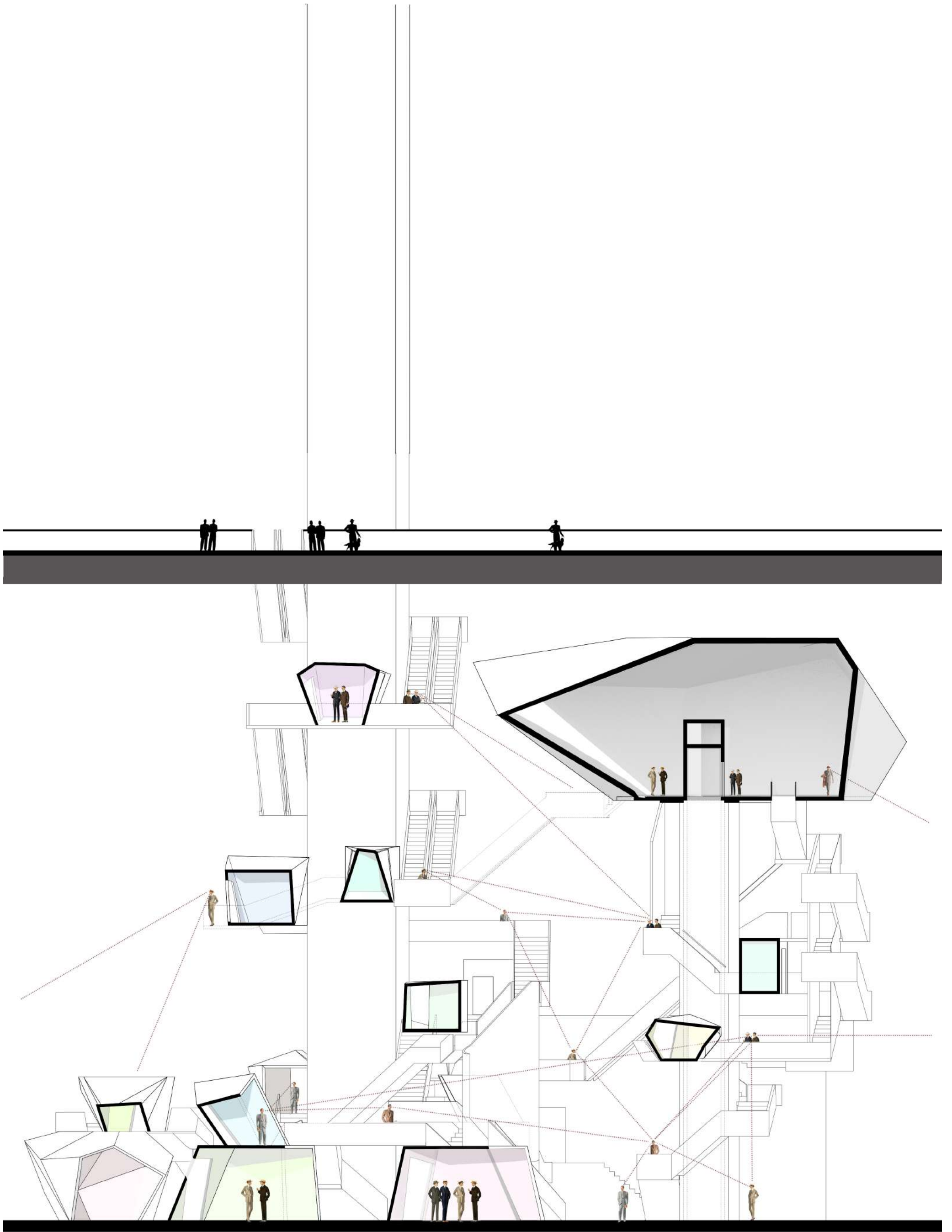
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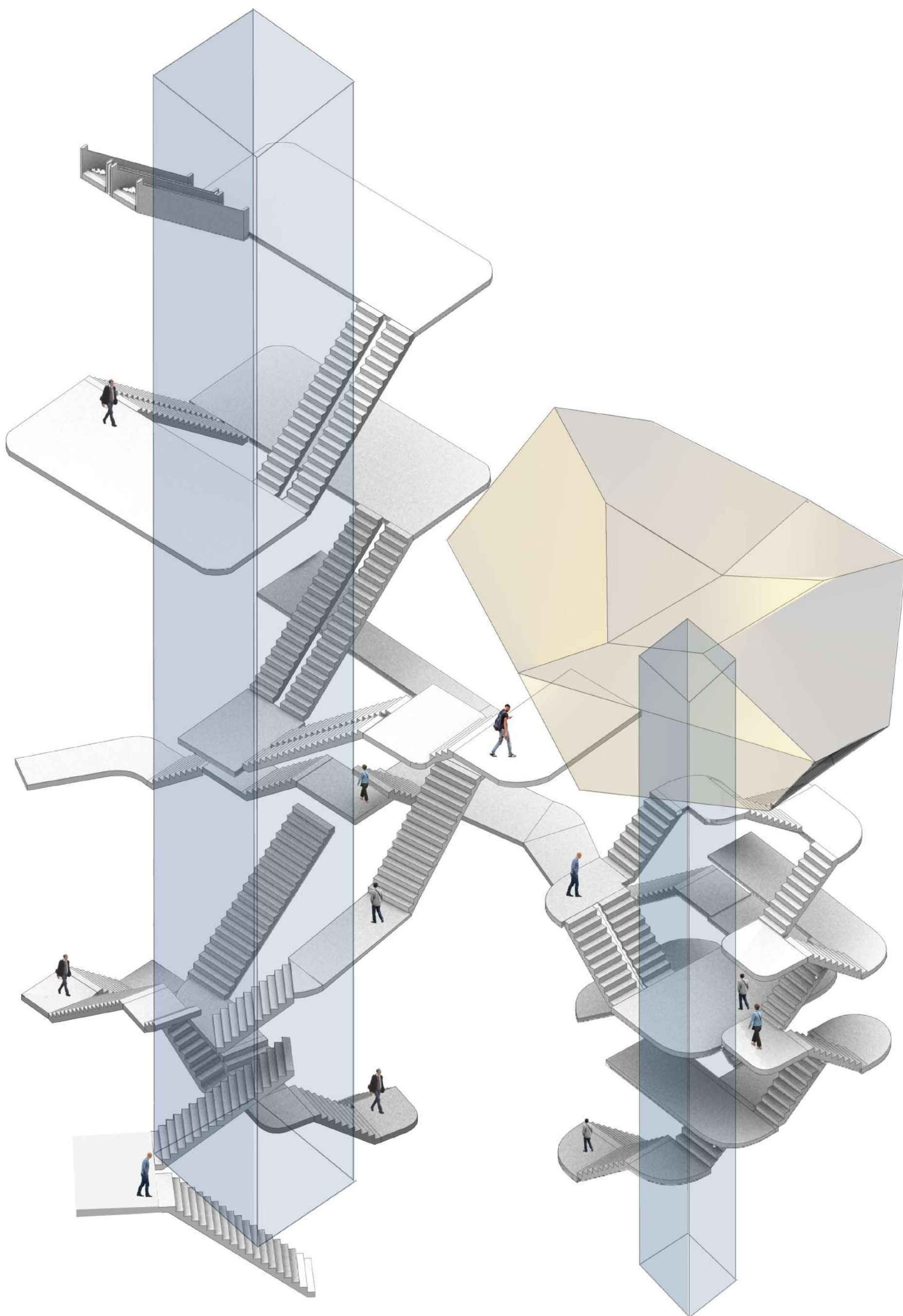


## ALTER PATH

This project aims to create a semi open, open and a closed hybrid space where people could gather for cultural and traditional event while at the same time enjoying the existing feature around the area. I went through many places in Gothenburg to find a place where i could design an area that in its best case scenario could relate to a multicultural space. I have found Röda sten gallery hall close to Älvsborg area, which could speak out loud for my first concept idea. A place that people could share their traditions and events while passing different cubical rooms through out their walking time. This area is designed for those who loves to walk and discover more.





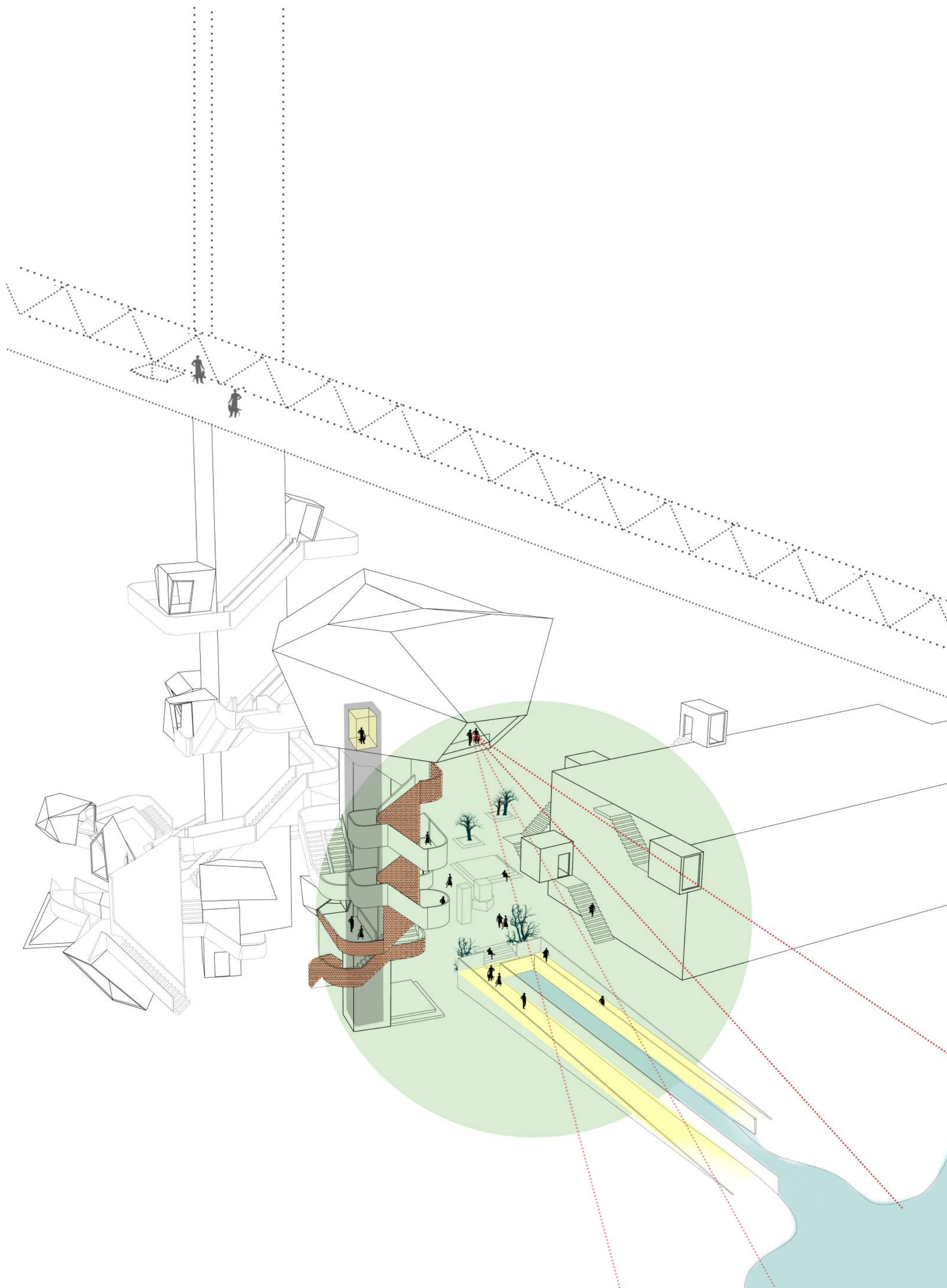


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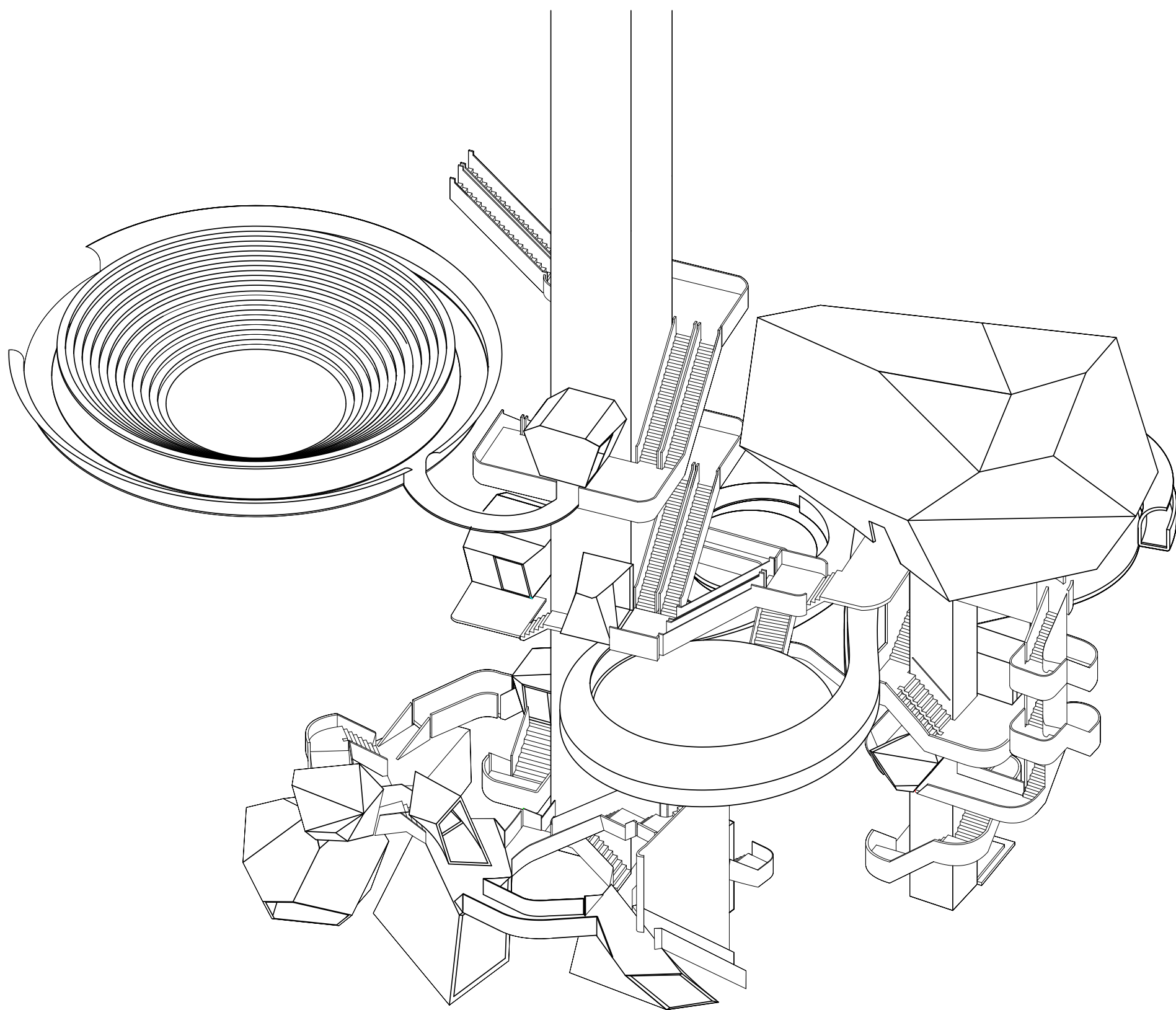


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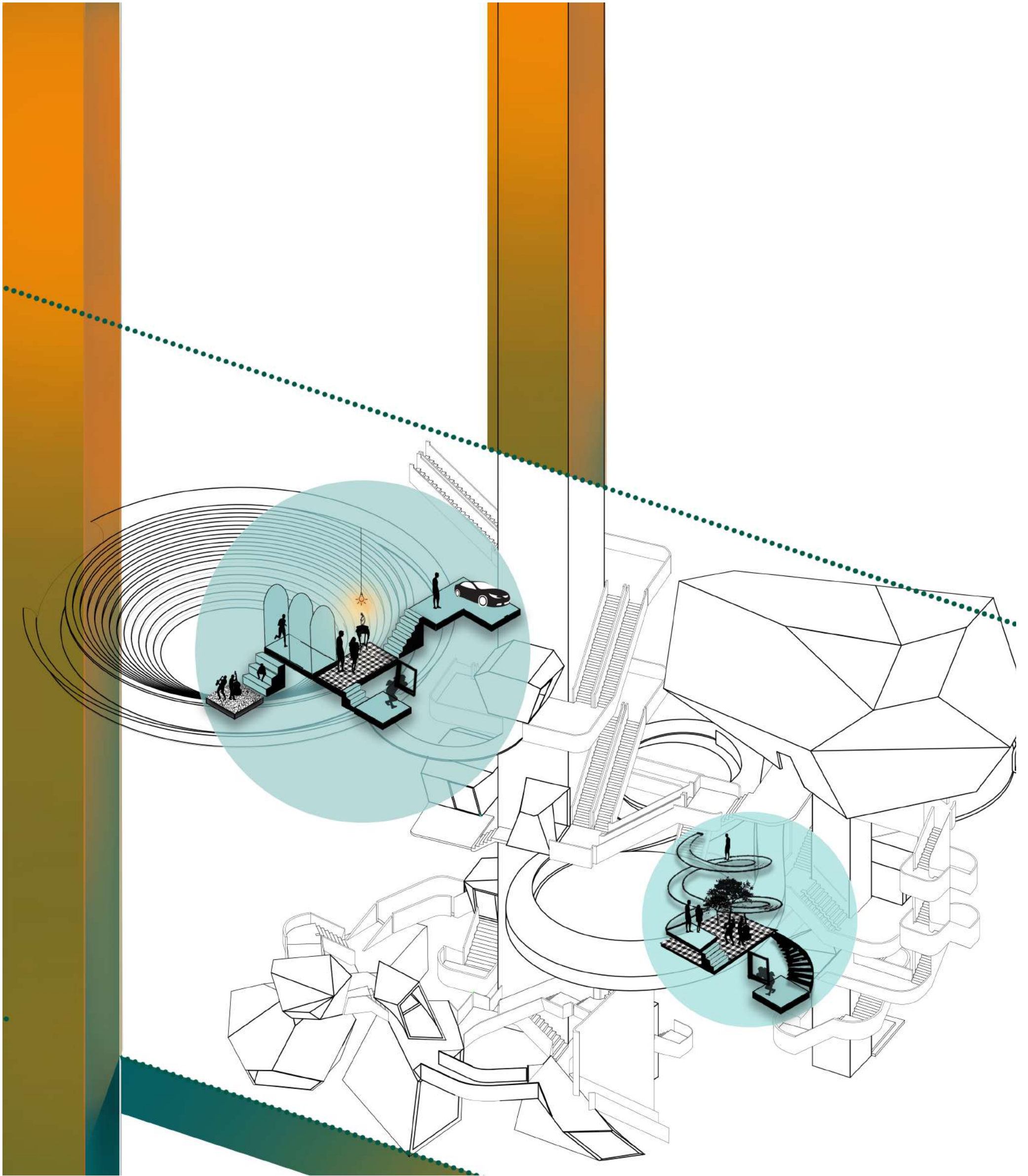


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### 3.1.2

#### GROUP HYBRID SPACE POINTS OF CONNECTION



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## INTERVENTION\_ALTERNATIVE PATHS

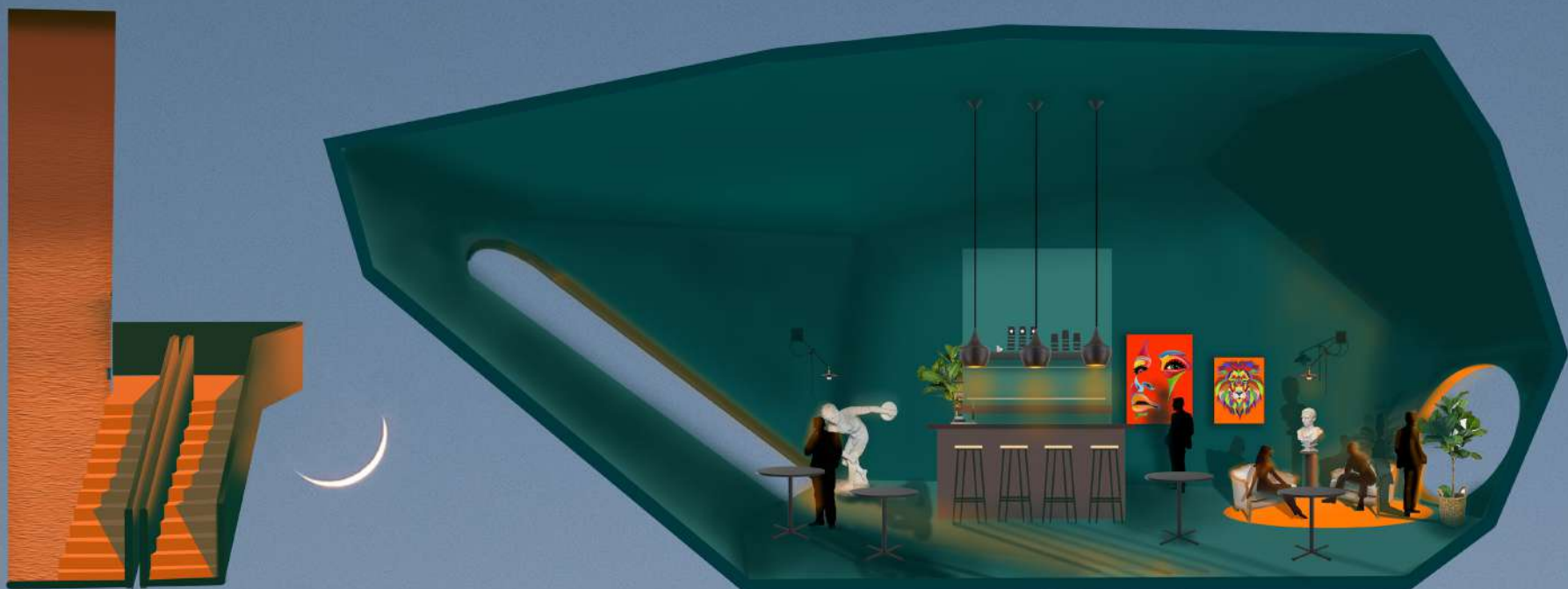
Each project creat its connection with the bridge as the main structure. One project with its horizontal movement and the other with the vertical movement to give different alternatives to people joining the platforms from different parts of this location. These paths can cover each other to create a path for people to experience and at one point they have an intersection that considers more activities and gives a wider place to people.





## SUPERSTRUCTURE\_MATTER OF CONNECTION

Both projects consider a matter of connection between places and also among people. each project has its path and spaces and this gives people have a different experience by following each route. By giving these spaces we attract people to come and gather in one huge art hub place to follow different activities and enjoy their social life near one of the iconic places on the waterfront of Gothenburg city. We create a place to connect the lands and water with these platforms and people as part of social connections in this project.





## **PROJECT VISUAL\_ ALTER PATH**

This project aims to create a semi pen, open and a closed hybrid space where people could gather for cultural and traditional event while at the same time enjoying the existing feature around the area. I went through many places in Gothenburg to find a place where i could design an area that in its best case scenario could relate to a multicultural space. I have found Röda sten gallery hall close to Älvsborg area, which could speak out loud for my first concept idea. A place that people could share their traditions and events while passing different cubical rooms through out their walking time. This area is designed for those who loves to walk and discover more.