

Lonely residence

Residence for Young teachers

Diploma project:Autunm 2021

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Index

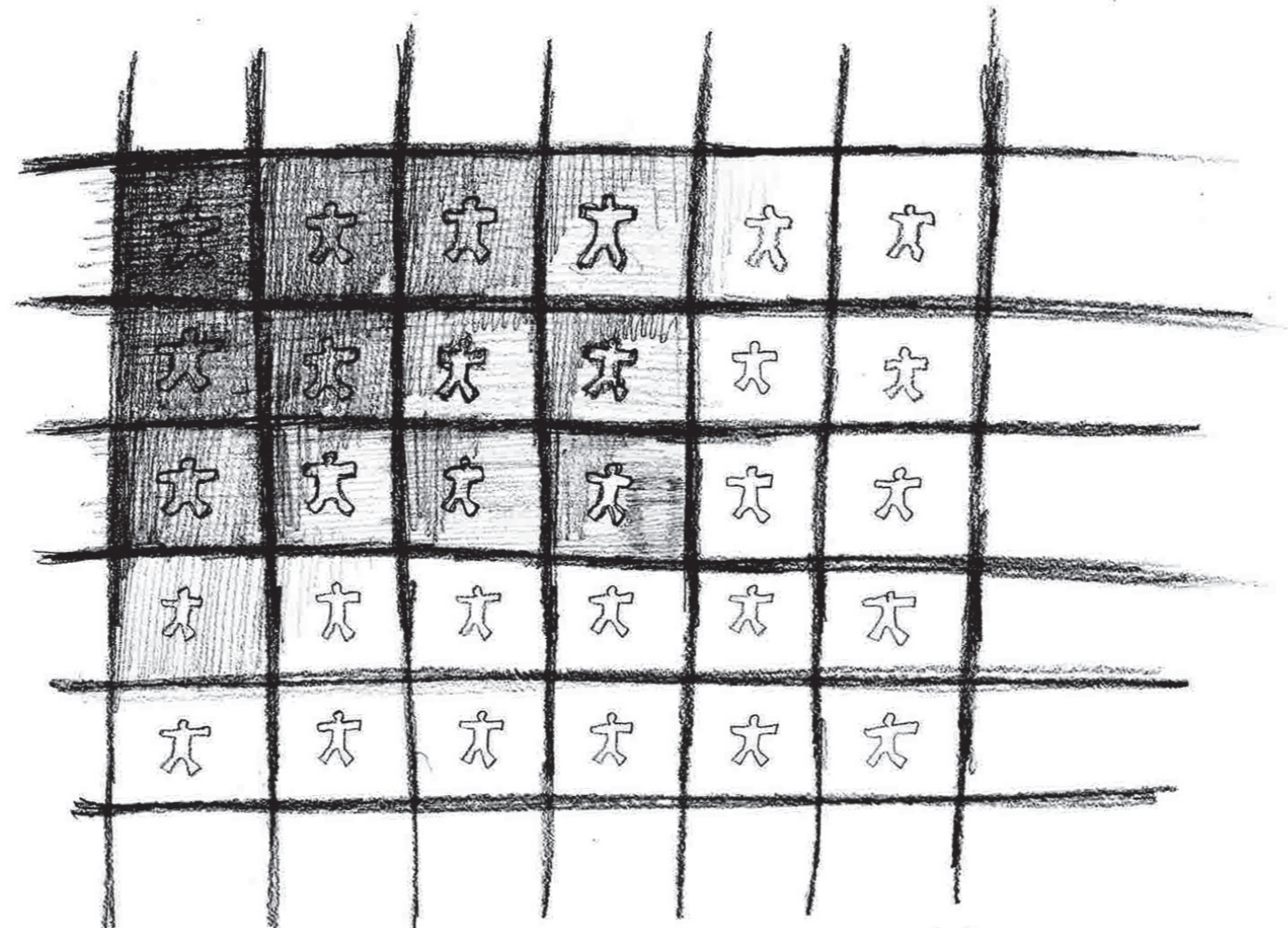
<i>Introduction</i>	1-2
<i>Context</i>	3-7
<i>Concept</i>	8-10
<i>Proposal</i>	11-23
<i>Diagrams</i>	24-27
<i>Model pictures</i>	28-34

Introduction

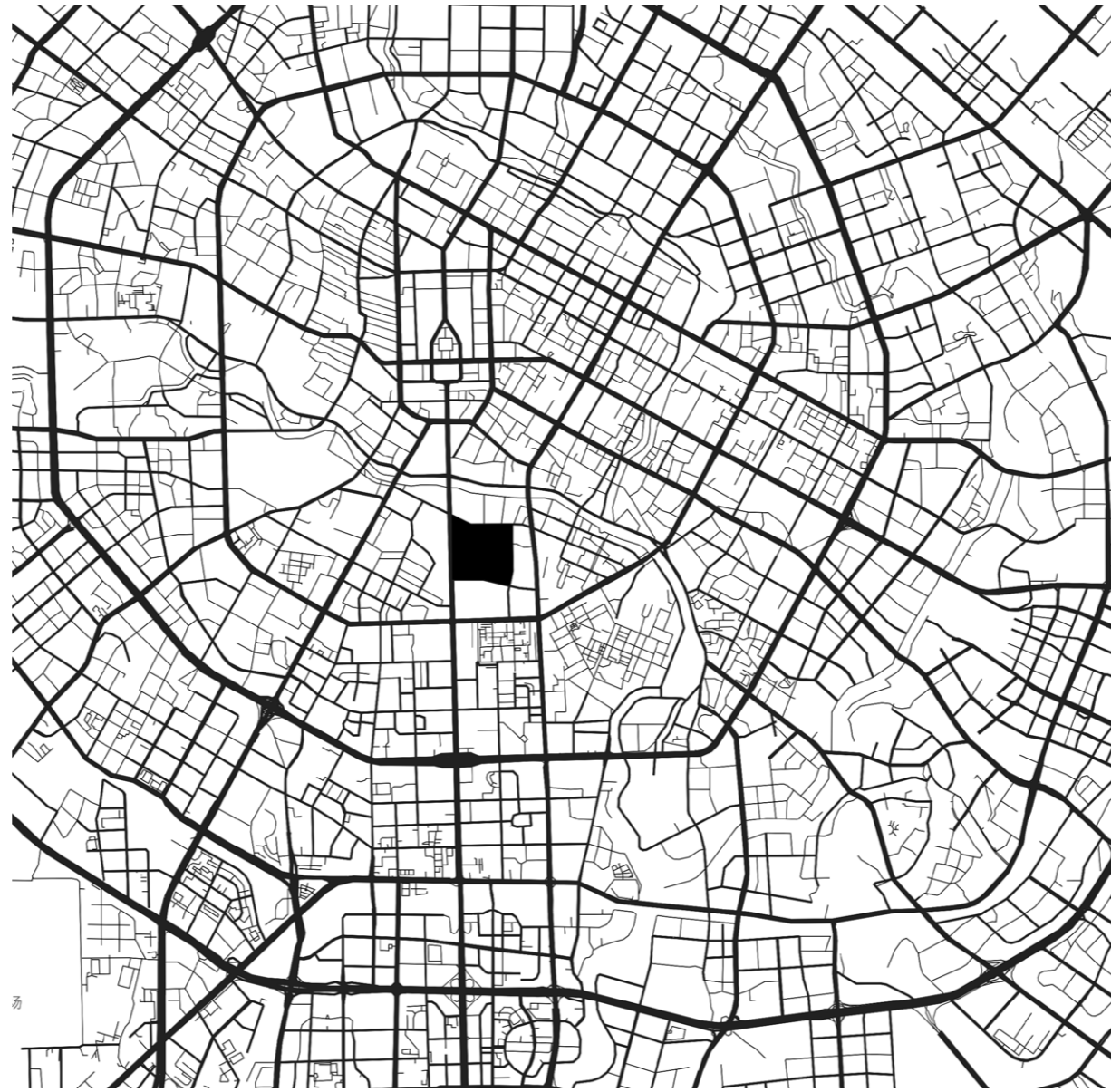
Our life is constant. We are doing similar things every day, and it may take a long time for an unexpected event to happen. Until the outbreak of the epidemic in 2020, we were forced to be isolated, we were trapped in our individual rooms. Until I recovered from the initial shock, I tried to think about loneliness seriously.

Even if there was no epidemic, we would still lock ourselves in a self-protective shell, which is invisible but indestructible. We are complex animals driven by emotions. On the one hand, we love loneliness, it allows us to think about the direction we deeply want. But we also yearn for social approval. We love the first grace of the morning sun, but we also enjoy dancing under the moon.

I hope that this living space can provide a suitable environment that allows us to mount loneliness, to have a chance to think peacefully, which also allows us to be sociable, to enjoy spending the dusk with friends drinking beer.



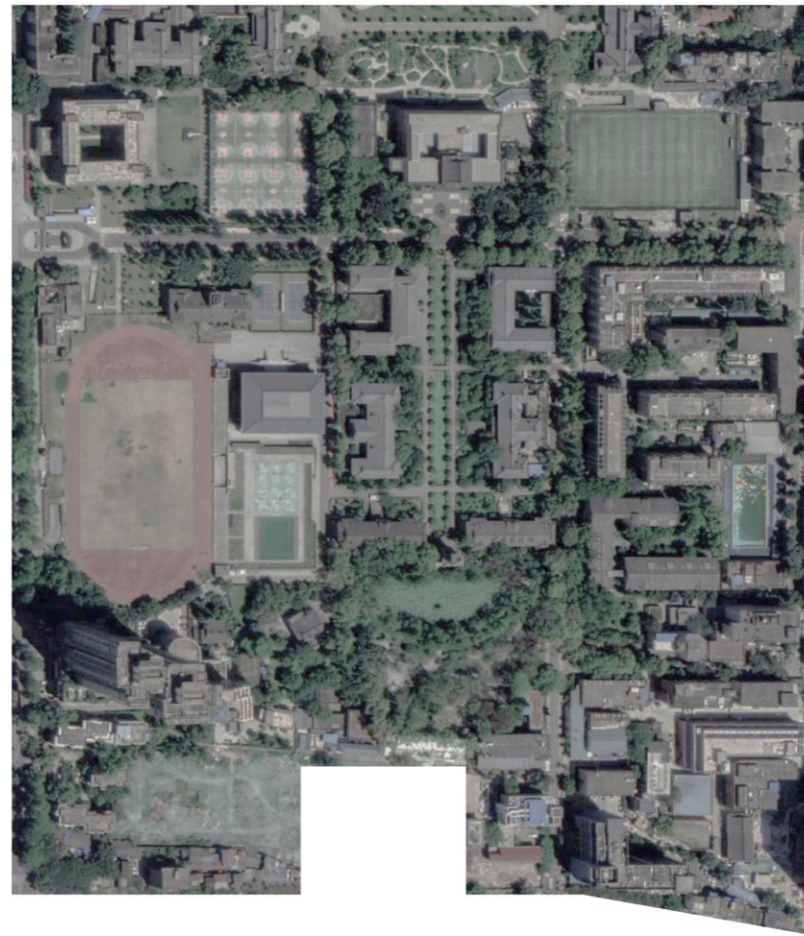
Loneliness /Our lives are grids, sometimes gloomy, sometimes gleaming. We are in these grids eventually./



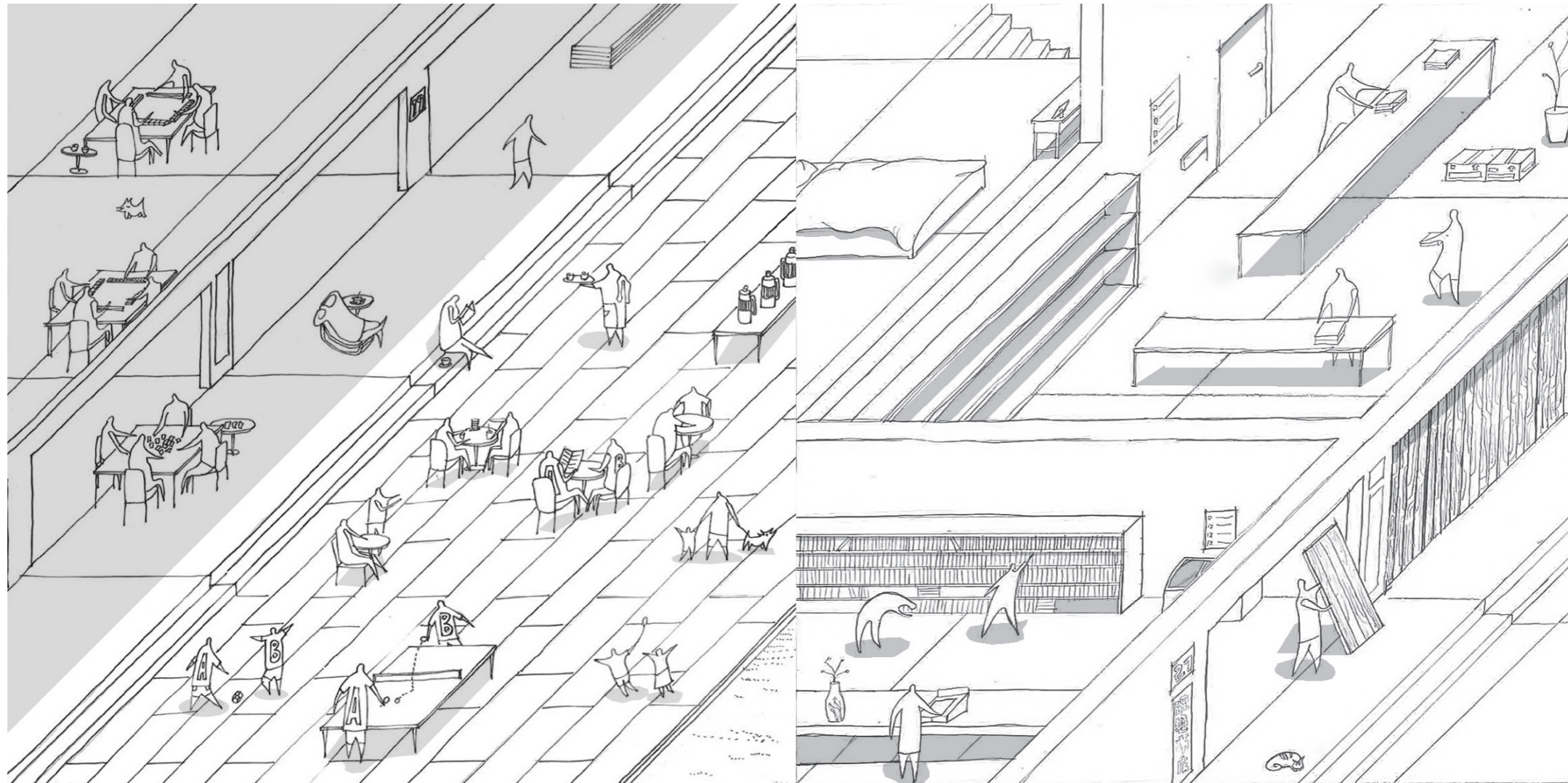
Chengdu /A city with a population of 16.33 million. The highest temperature in summer can reach 36°C , winter is warm/



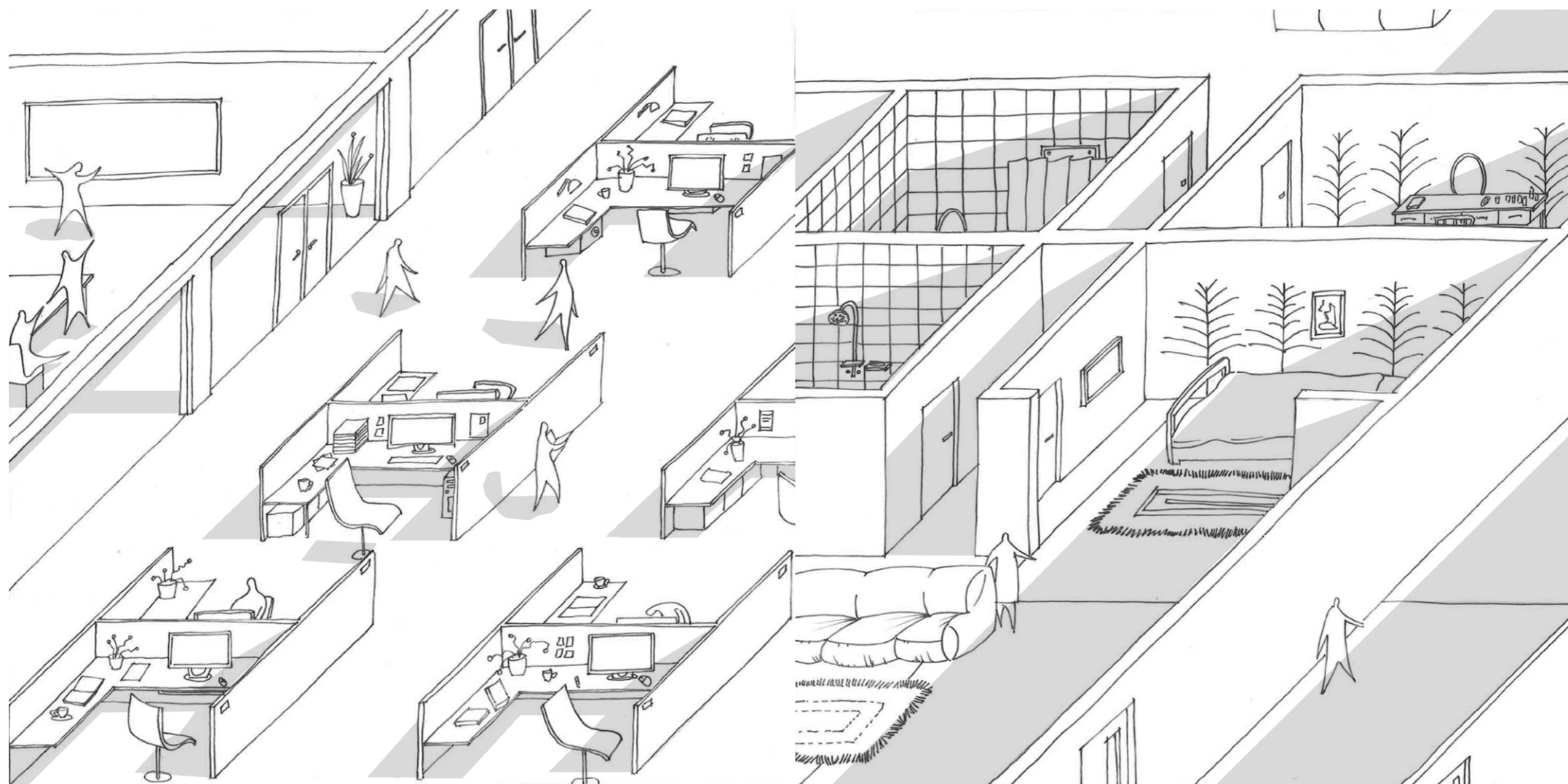
University campus /The site is located on a university campus, approximately 80 meters X 60 meters./



Interface /The north side of the site is adjacent to the campus, the south side faces the huge residential area in the city, and the west area is the public service facilities. The purpose of this proposal is to benefit residents, communities, and cities./



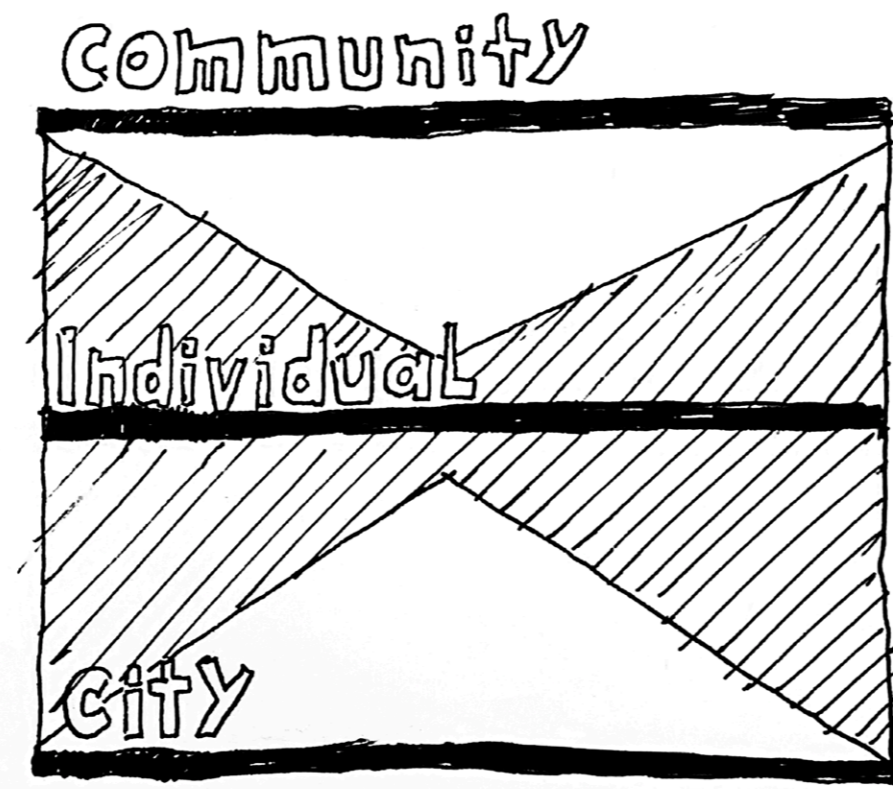
Ukiyoe /We drink tea and played mahjong in the warm sunshine, we laugh and run./
/Shopping is also an important way for us to socialize./



Ukiyoe /Before the pandemic, we were still working together/
/Home is our important harbor, we rest here, find ourselves here/

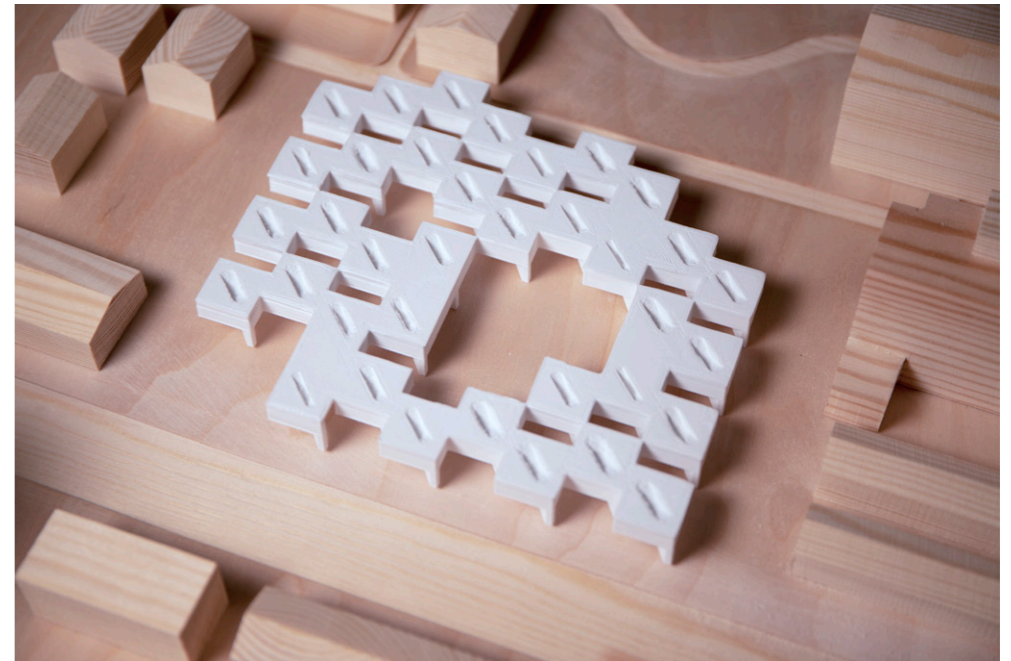
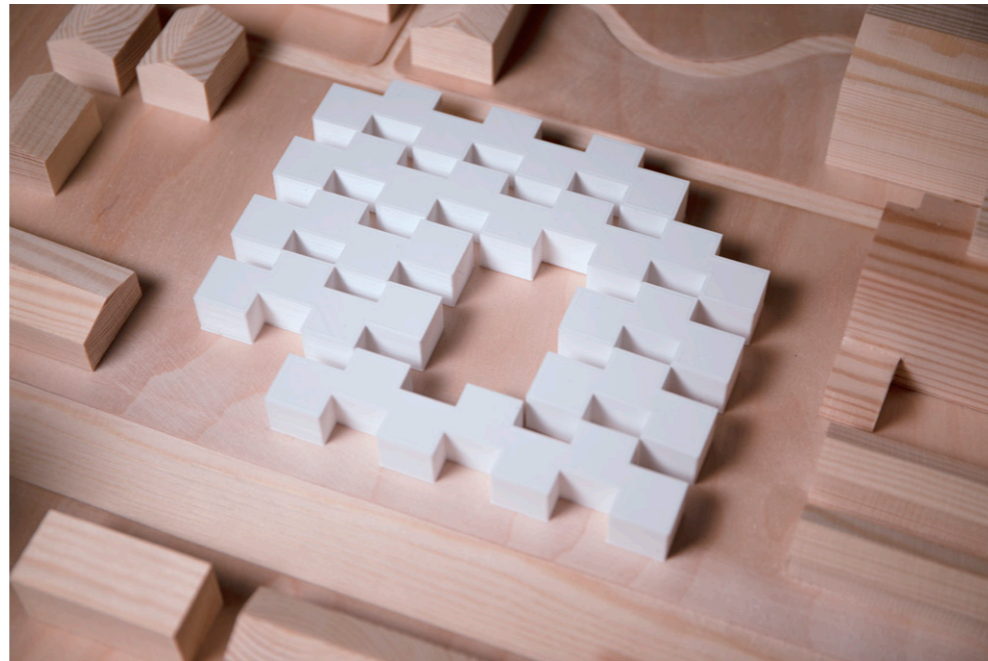
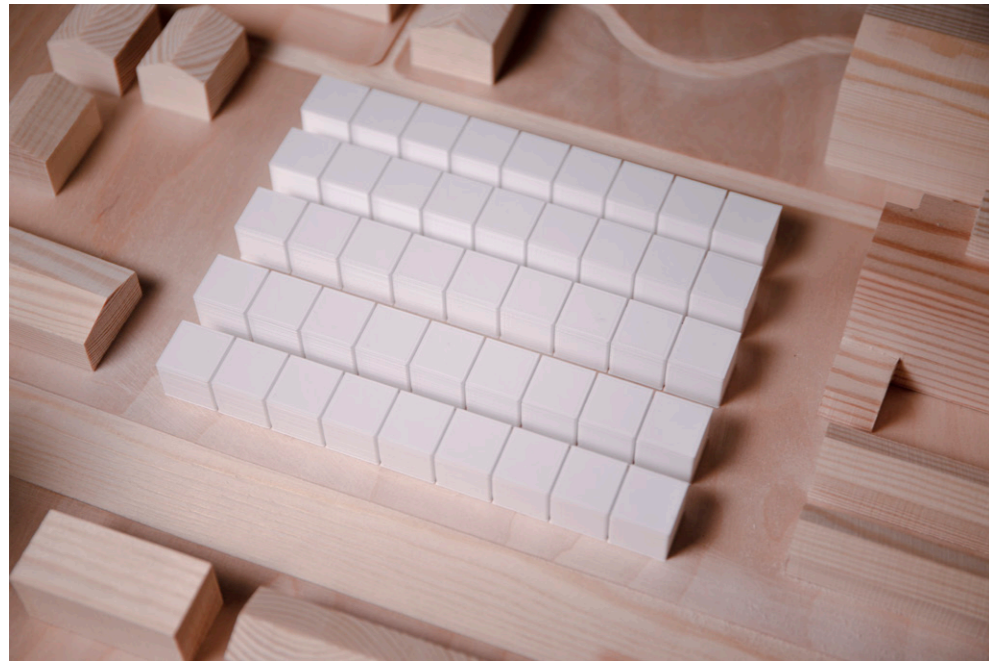


Invisible shell /Firm and invisible. we firmly protect ourselves, but try to hide the shell./
/A partition divides the space into four parts, upper, lower, left, and right part. The upper part is open to the sky, the lower part is sheltered by this partition. The spaces on the left and right are separated. /



3 Layers/4 Parts

/Through the division by this partition, I hope that this residential space can bring benefits to residents, the community, and the public in other communities in the city. Therefore, the most accessible ground floor serves the city. The space on the left and right sides is completely separated, they are very private and do not interfere with each other, so it is suitable for living. The upper floor is open, full of natural light, and has a sense of security. I hope that it will become a social space for the community. /



Evolution

/Residential areas are usually arranged linearly, and the roads between the houses become simple traffic spaces, driving people to pass quickly./

/Stagger the houses. The southeast corner is the main entrance for residents, and the southwest corner is adjacent to a row of shops, gathering the public. Delete these two parts of the residence to provide two plazas. Delete the central residence to provide a community plaza./

/Elevate the entire residence to create an open ground for the public. The elevated residence is more private. The open and connected roof above the residence provides space for community activities./

Program

Site area 4800m²

32 Units

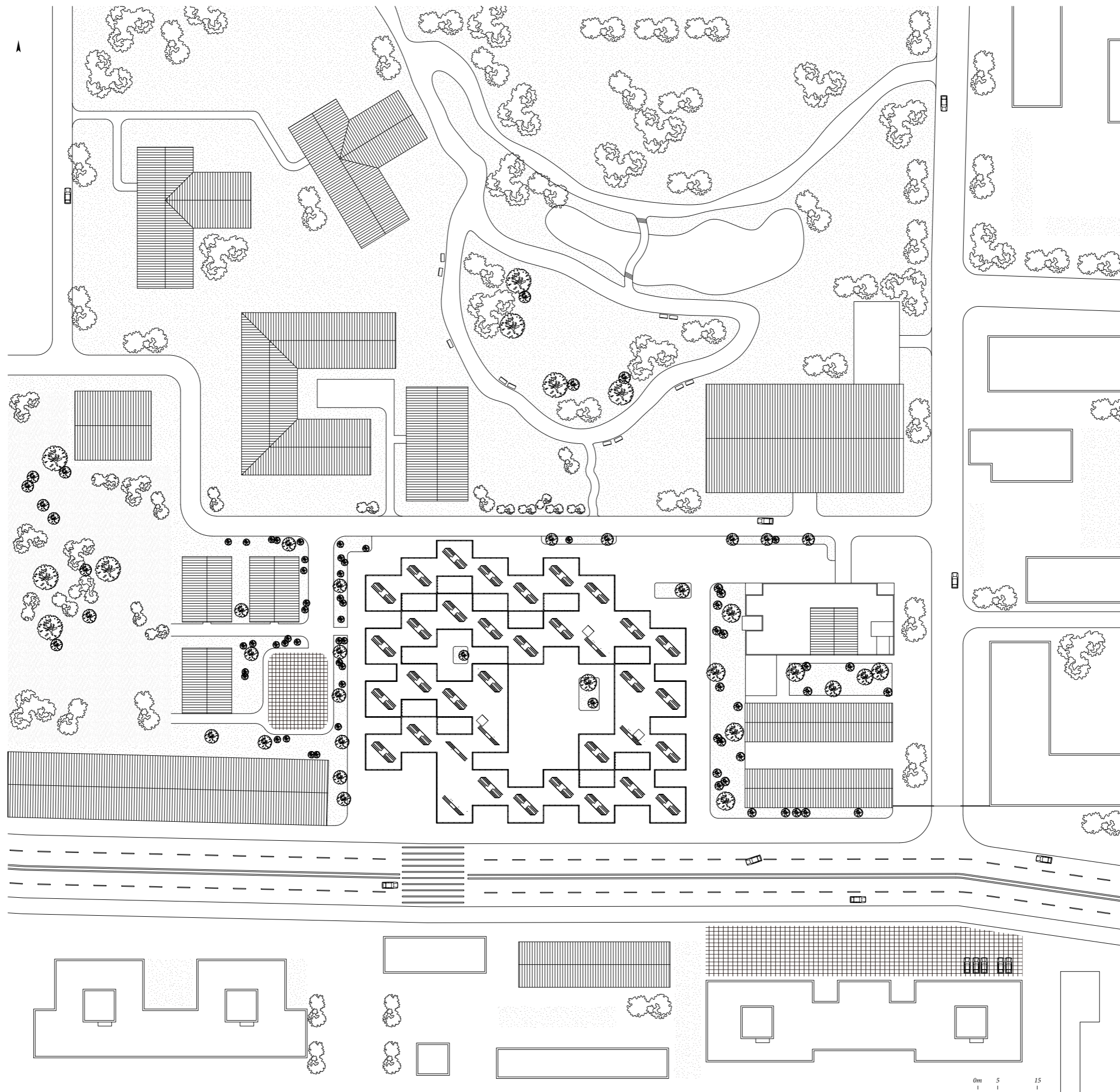
64 Apartments

3 Community activity center

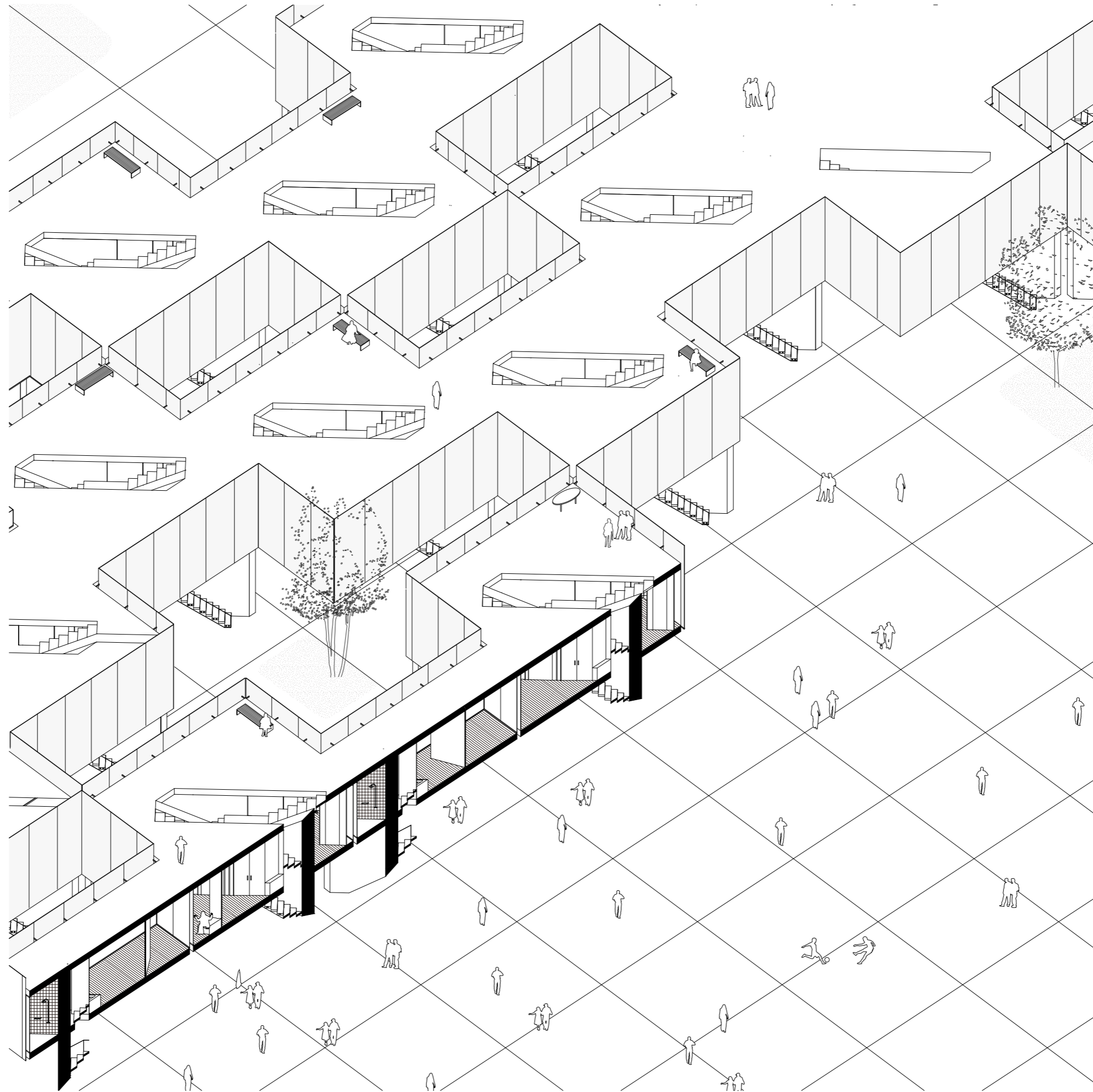
Each units 85m²

Each apartment 33m²

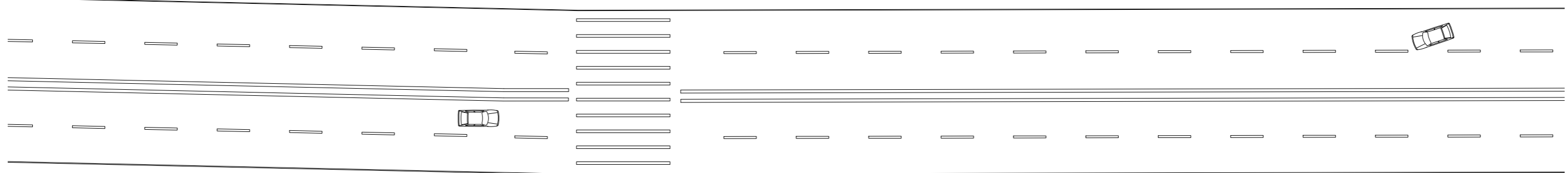
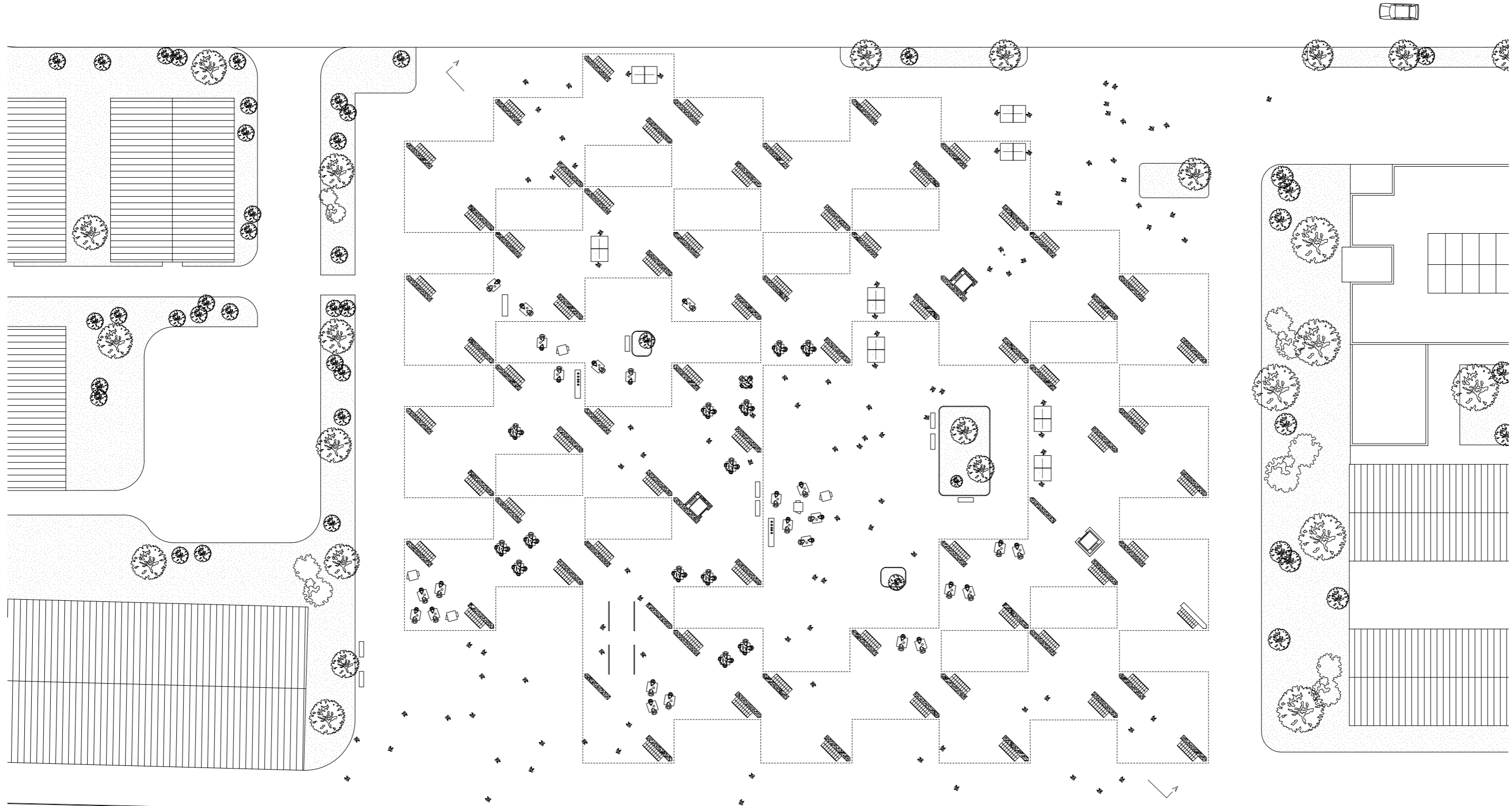
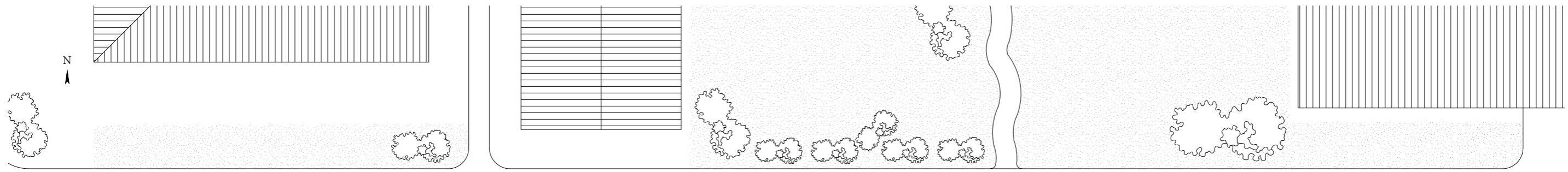
Each Community activity center 125m²



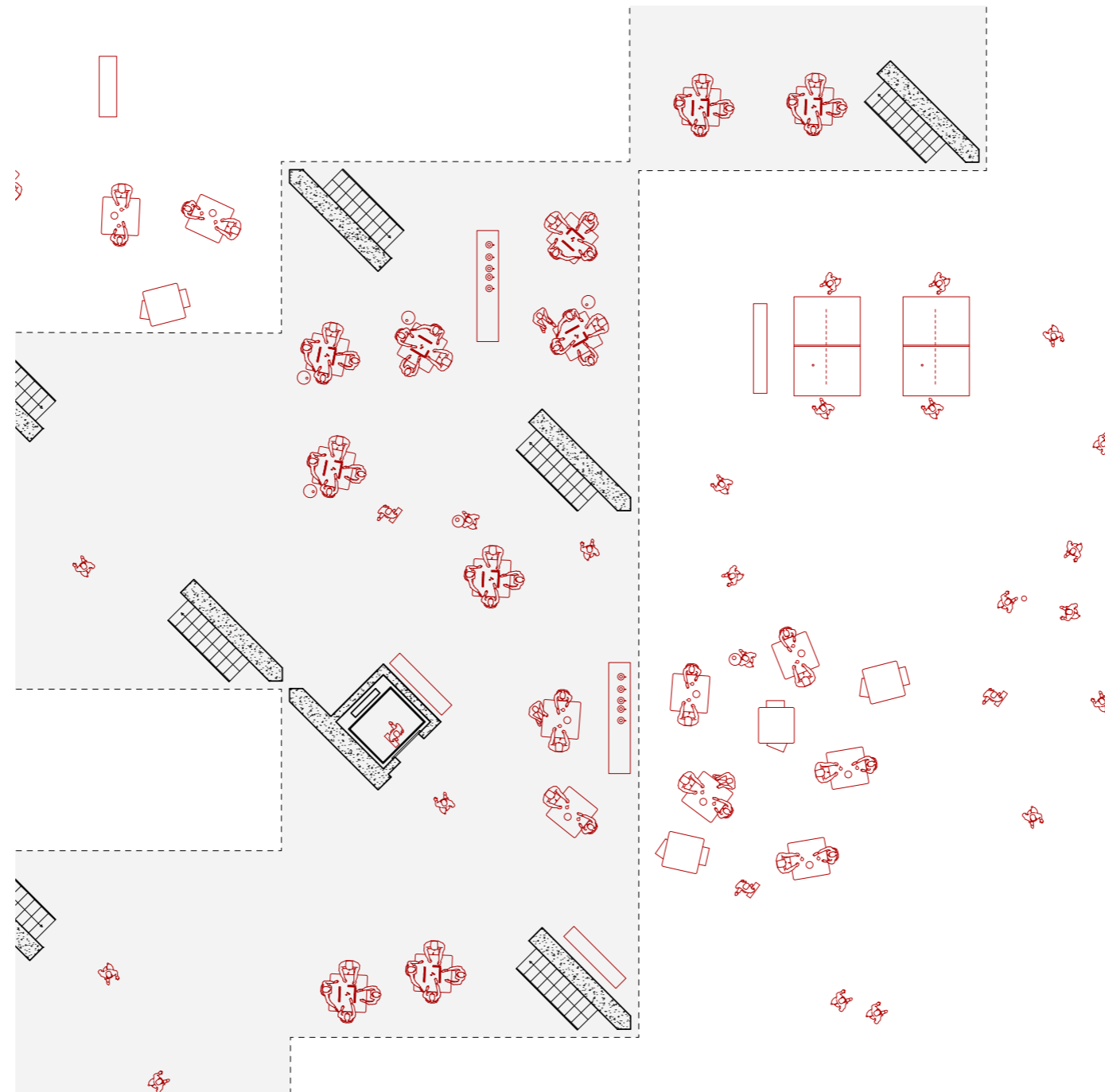
Master plan 1:1000



Layers /For the city/ For the residents/ For the community./



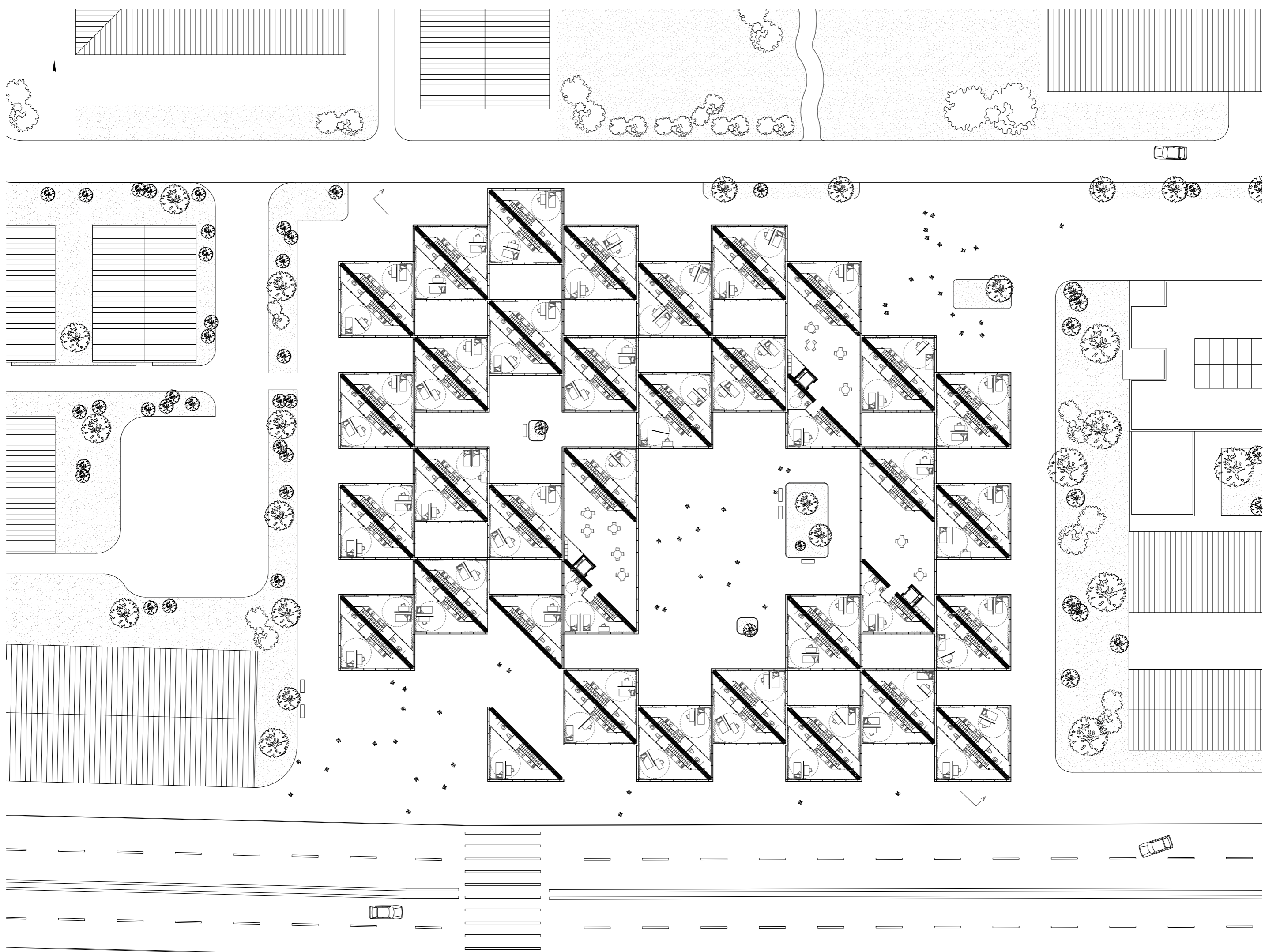
Ground plan 1.7m 1:400

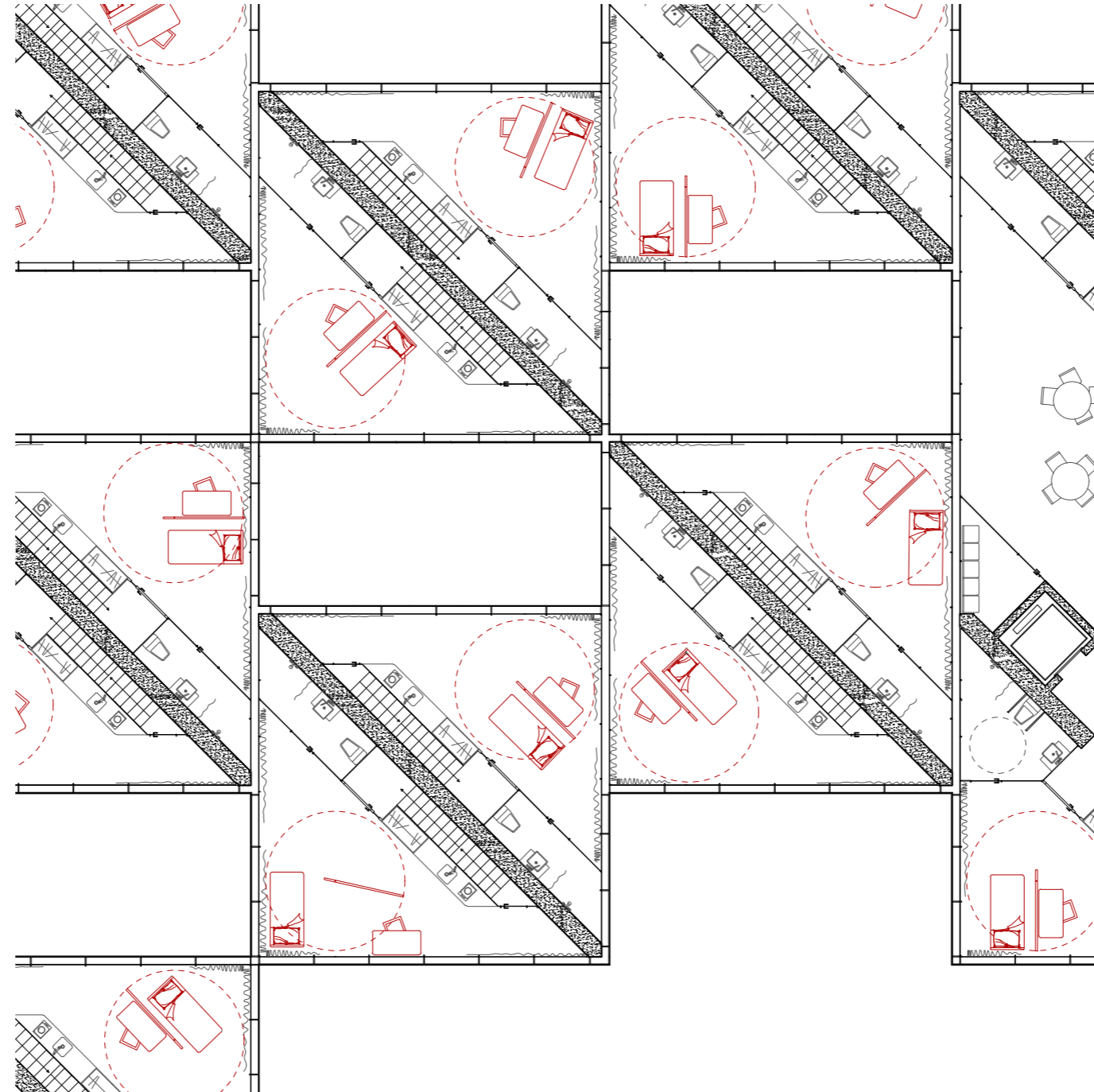


Public activities

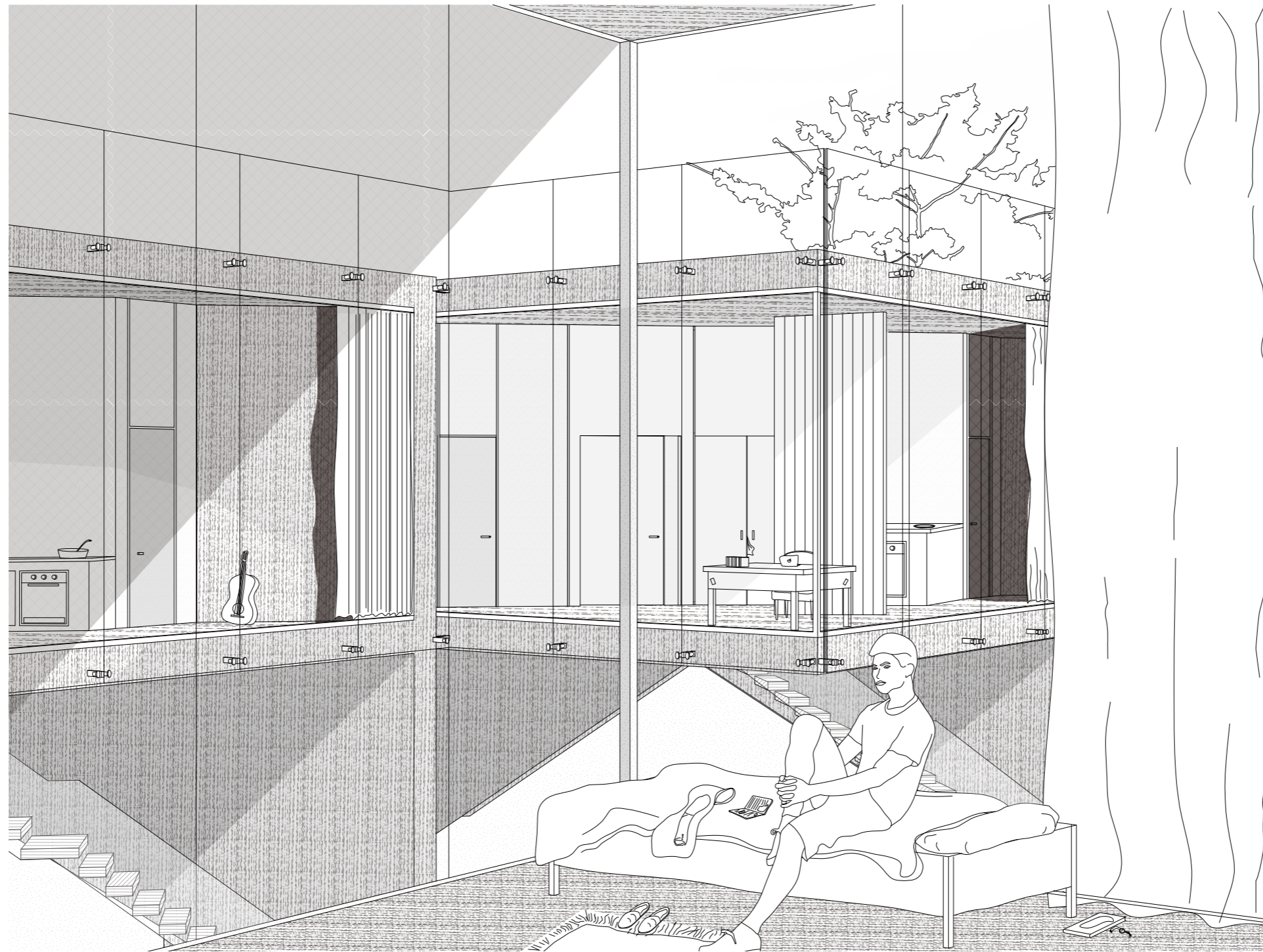
/The ground floor is a flat and open space, where the public can enjoy natural light and shelter from rain under the building. The cool wind in summer will flow under the building, so this space will be good for drinking tea or doing exercise./

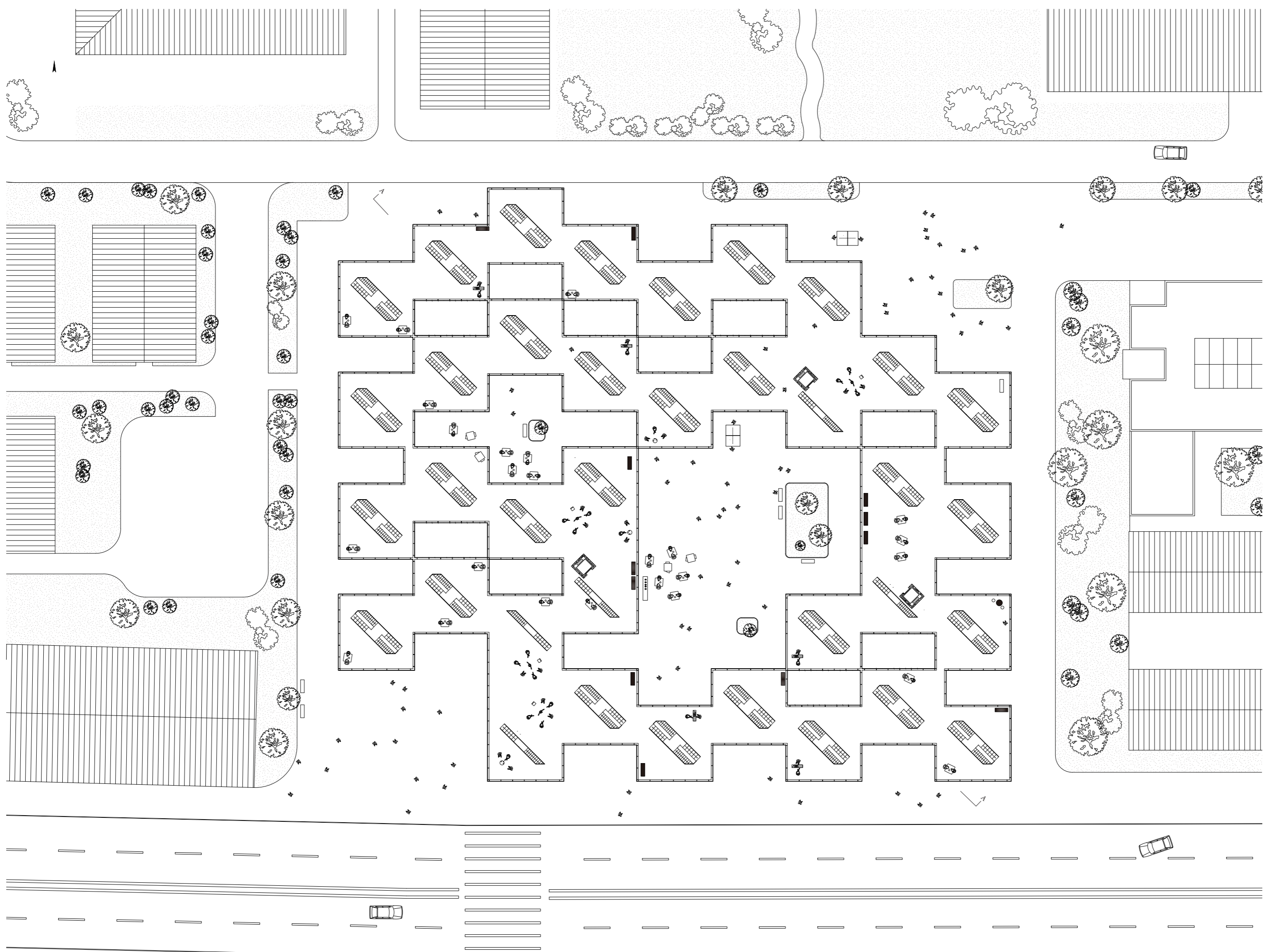






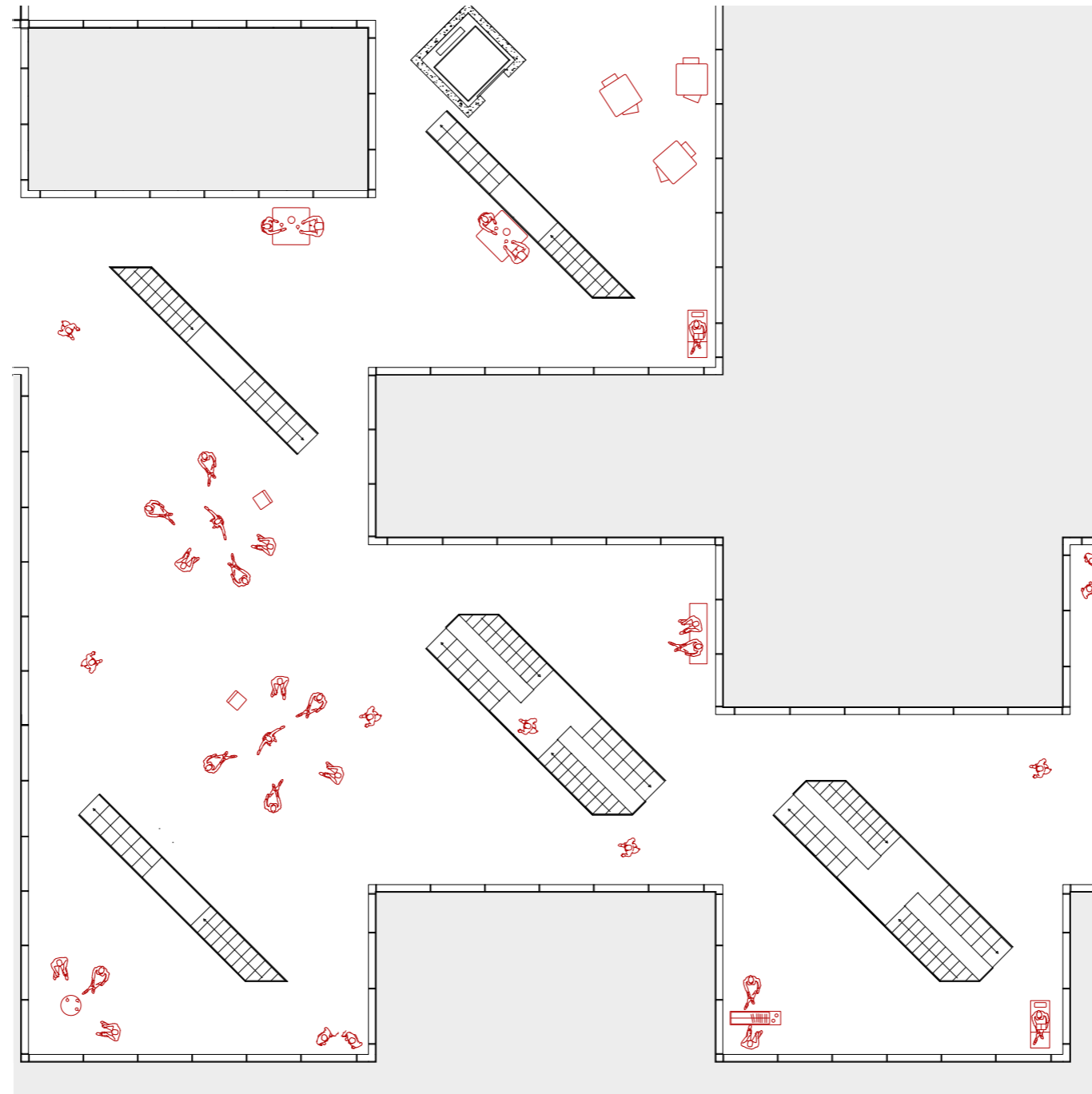
Changeable plan /By changing the rotating partition and curtains, the entire space can be changed according to the mood of the user. It can be very airtight, so you can sleep quietly. It can also be very transparent, allowing sunlight to fill the entire room. Even during the quarantine period, it is possible to open the curtains and make a toast with a neighbor. This is the space where you can enjoy loneliness, you can think about what you deeply want. You are protected, so you can be yourself./



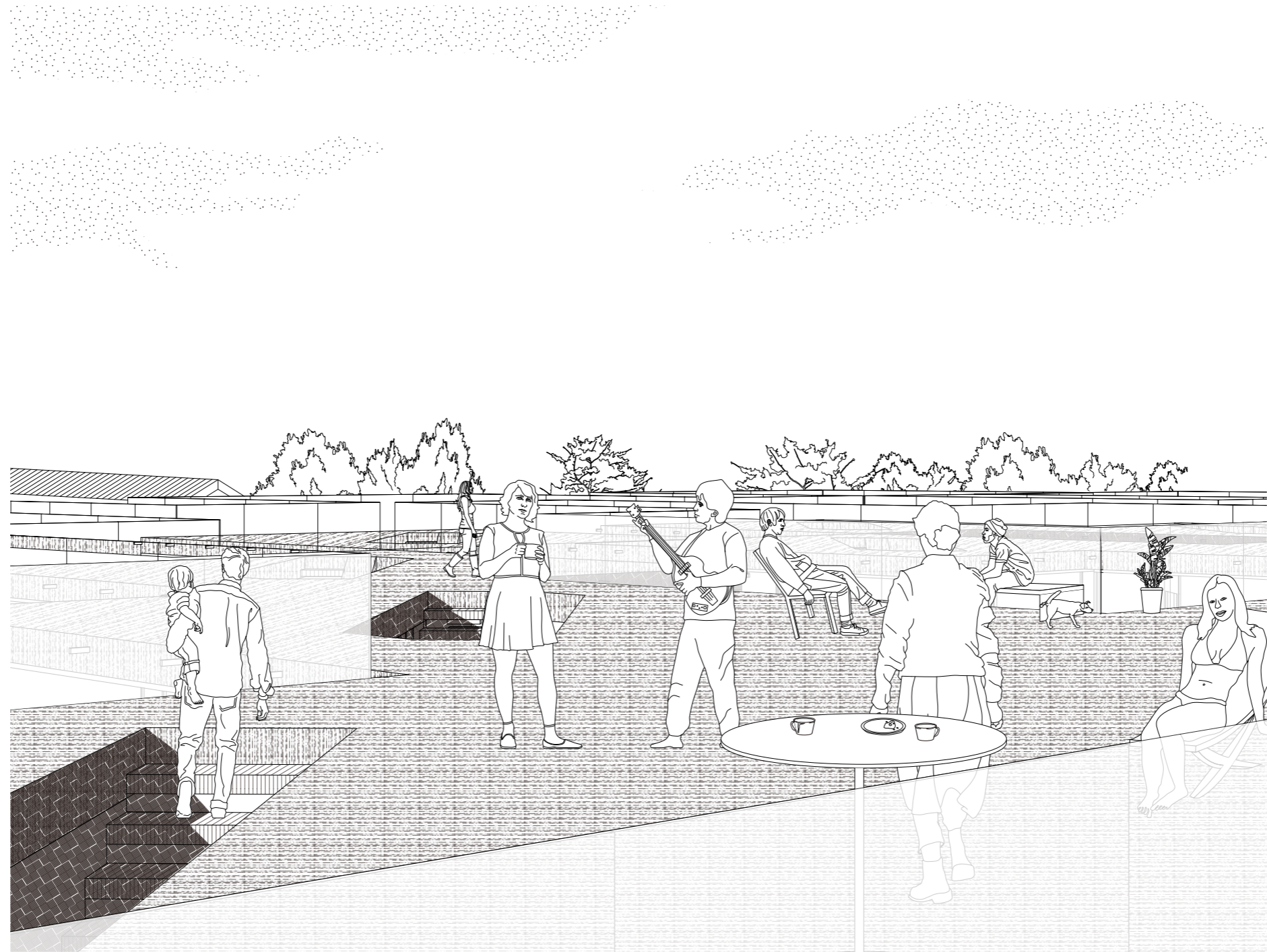


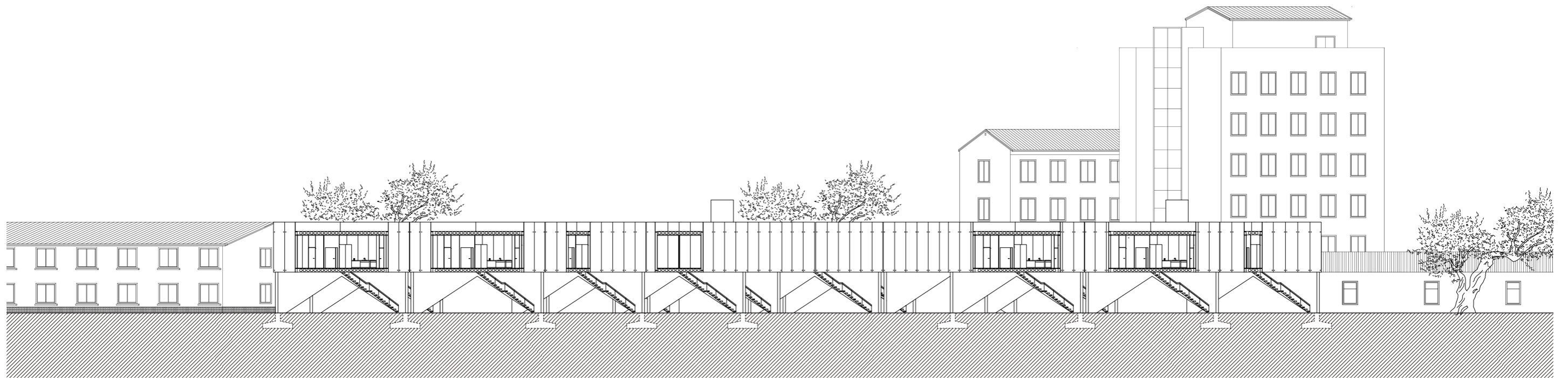
Top plan 1:400

0m 5 15
| | |

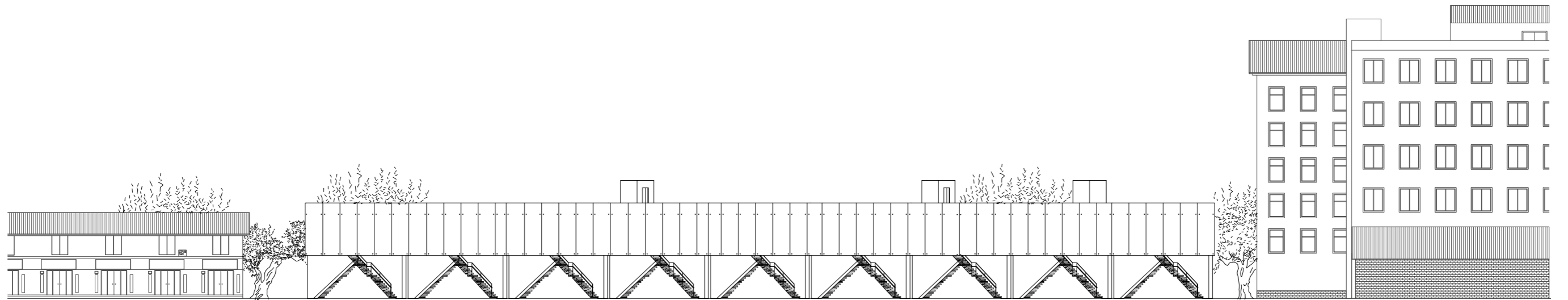


Community plan /The top space is an open space and higher than the space for the public, so it is not disturbed by people outside the community. Residents can reach this top space through private stairs. The interconnecting spaces allow the residents to enjoy the opportunity to socialize. You can easily carry a few chairs from downstairs for a barbecue party or a seminar. These stairs also provide another way to visit neighbours./

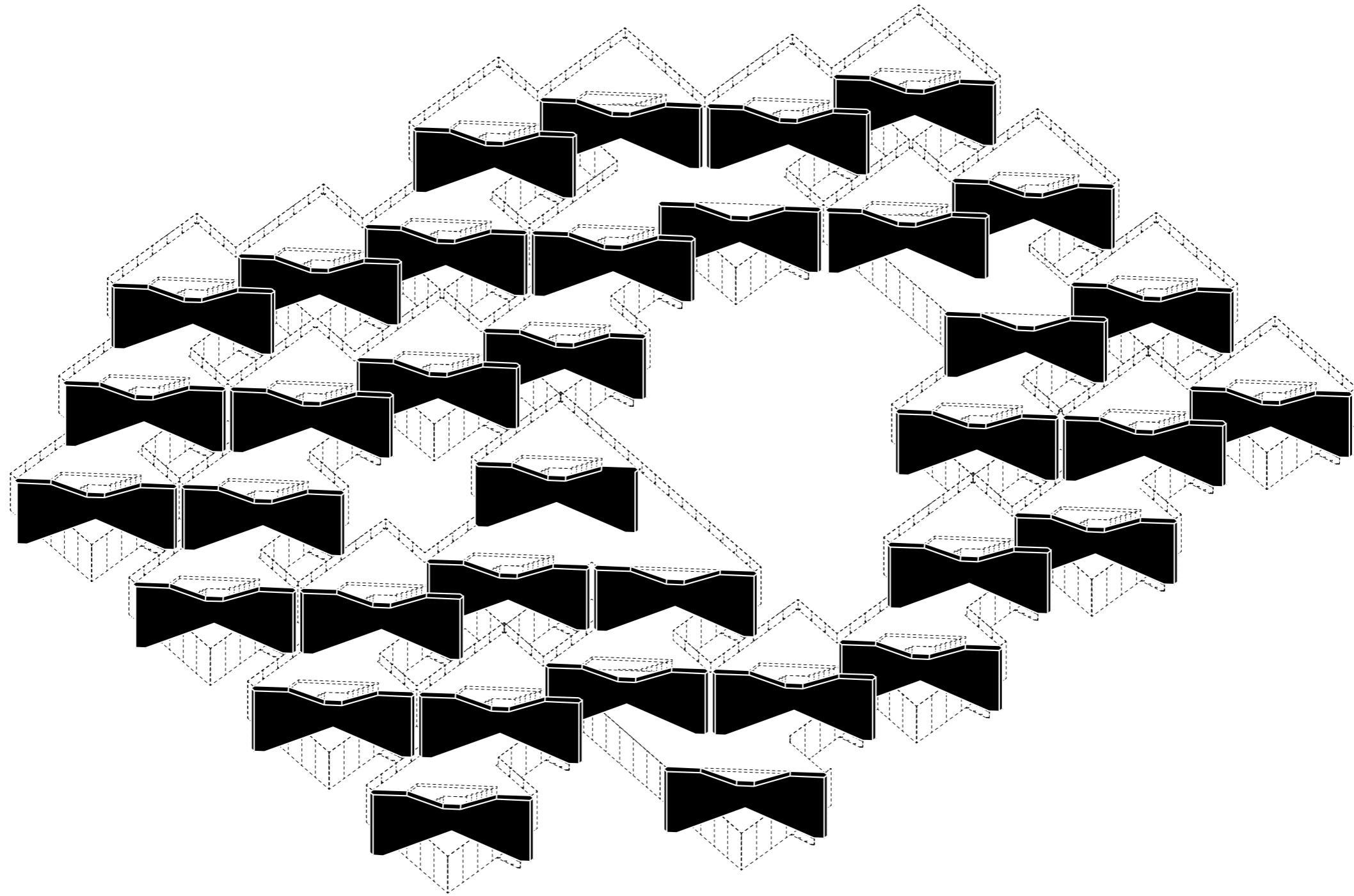




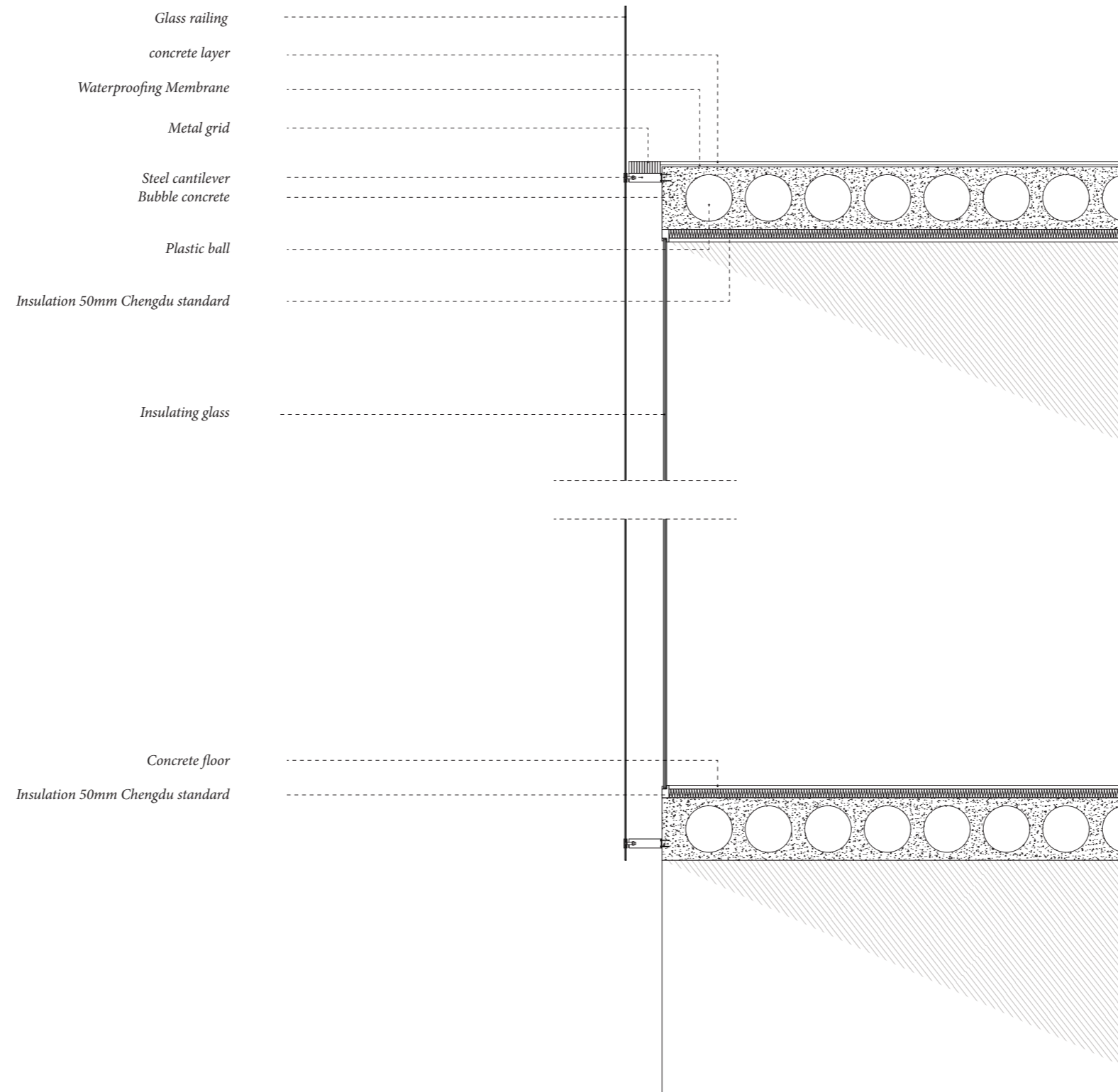
Section A-A 1:400



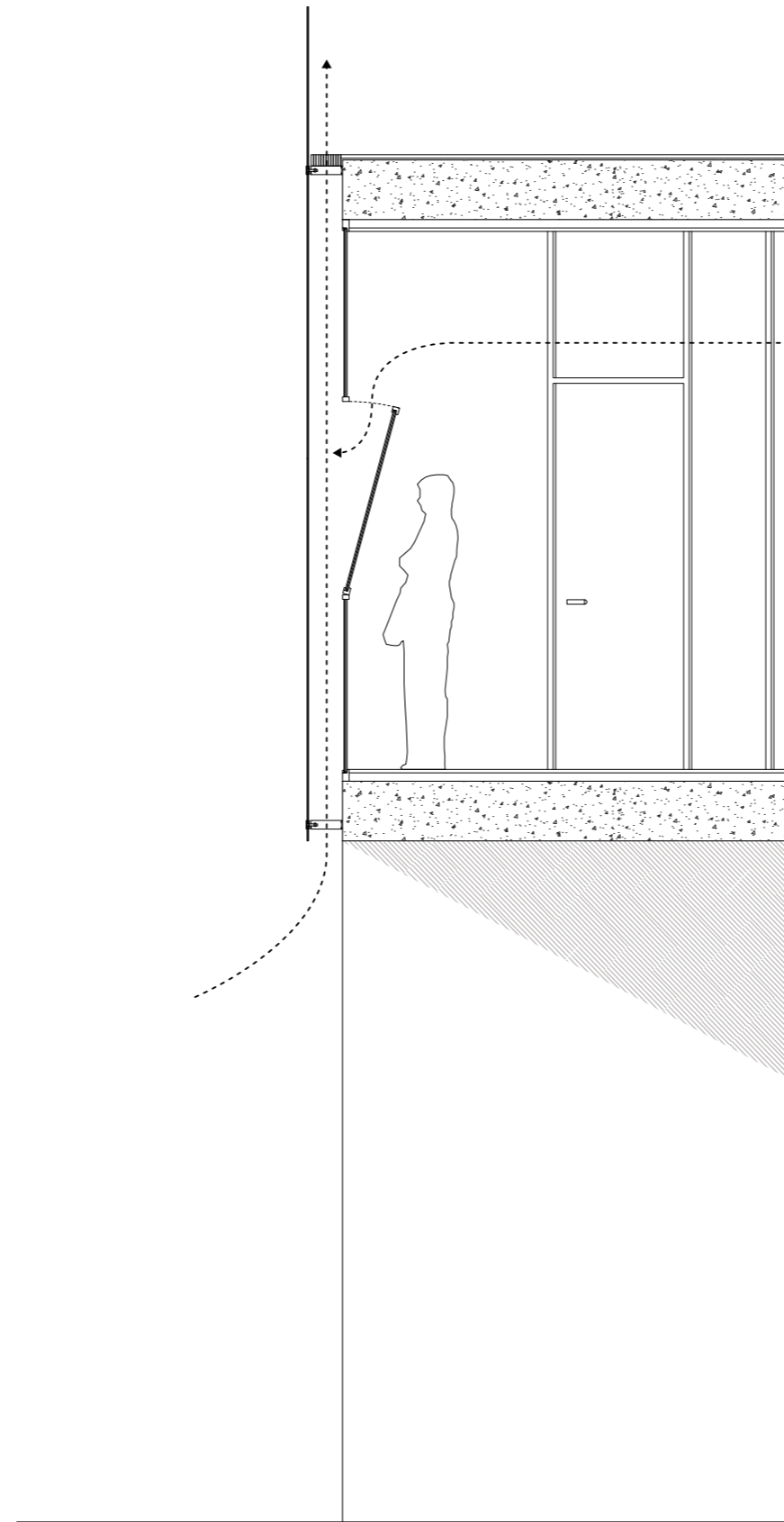
South elevation1:400



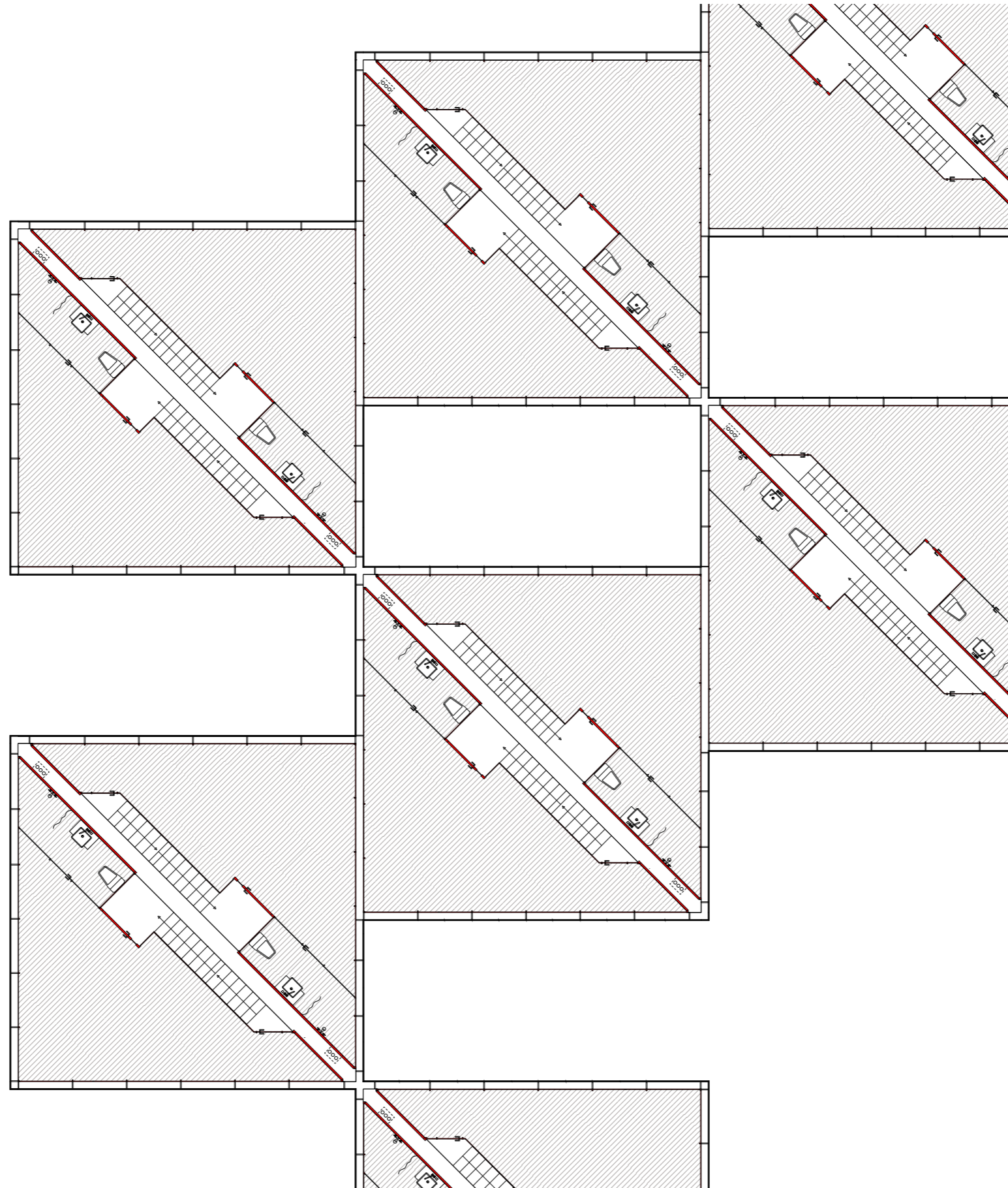
Load bearing structure /These 500mm thick concrete walls not only completely separate the left and right houses. but are also the only load-bearing structure in the entire building./
/Various pipes are also placed in these concrete walls./



Detailed section 1:30



Ventilation /Chengdu has hot summers and warm winters. The double skin facade accelerates the air circulation between the inner and outer glass, which is conducive to the heat dissipation of the room. The double skin facade also helps to isolate external noise and sight interference./



Insulation plan











