

P5

AMS MID-CITY

Shushen Zhang

16/02/2018



2050 AMSTERDAM

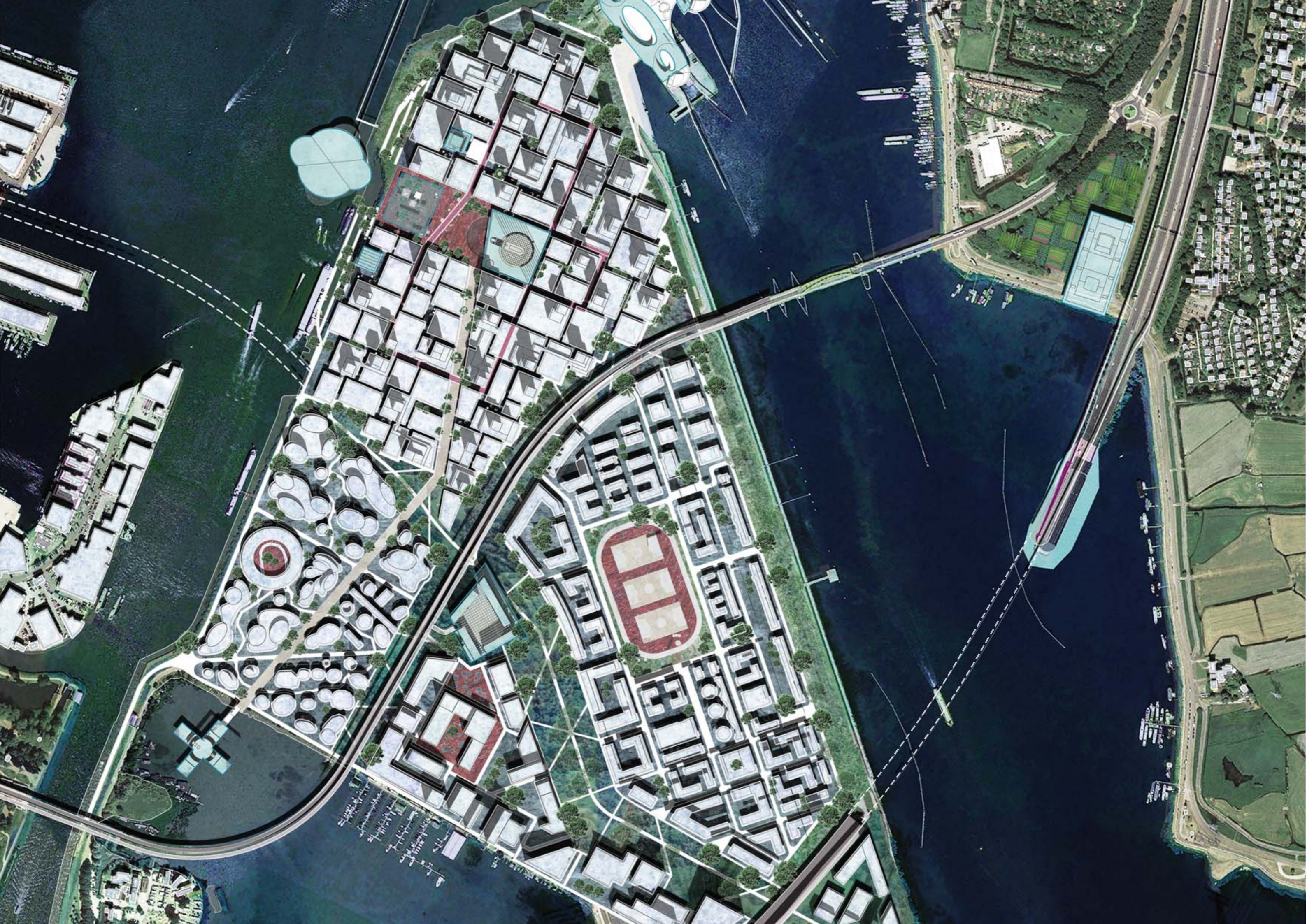
Amsterdam

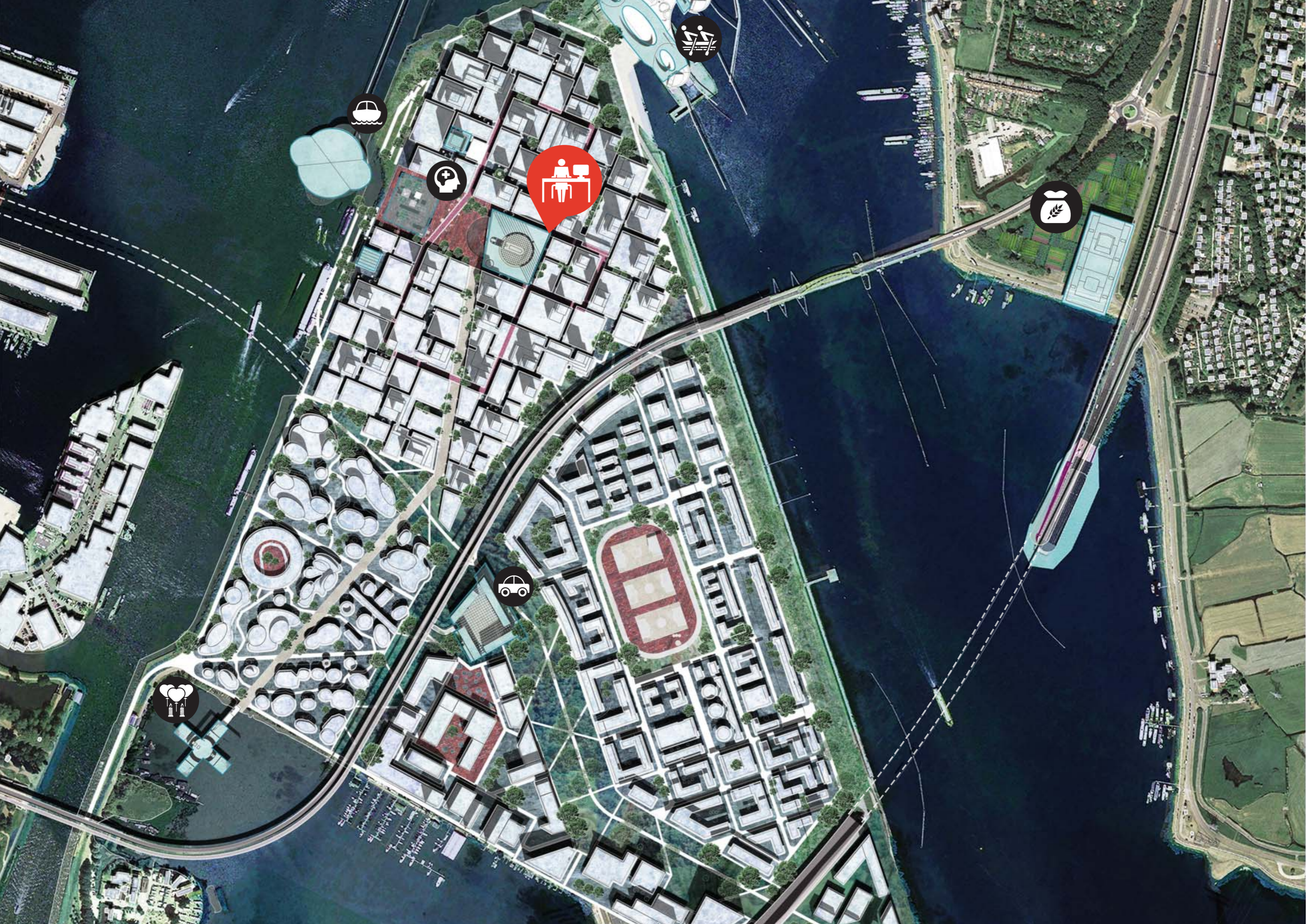
Zeeburg



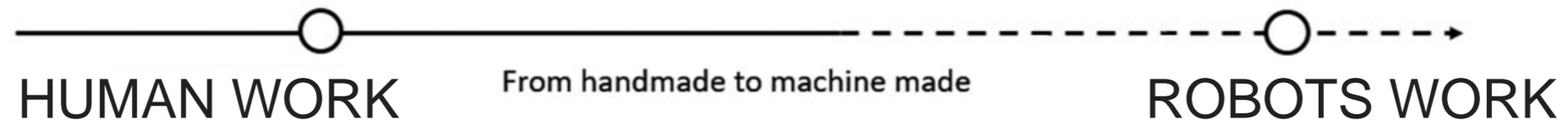
I S O L A T E D L A N D

URBAN LAB



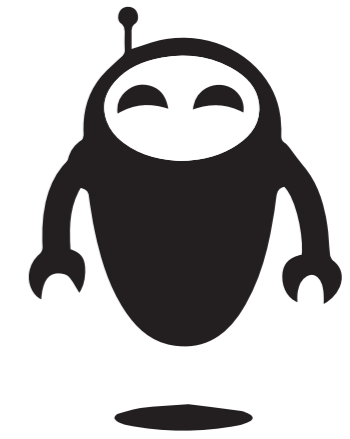
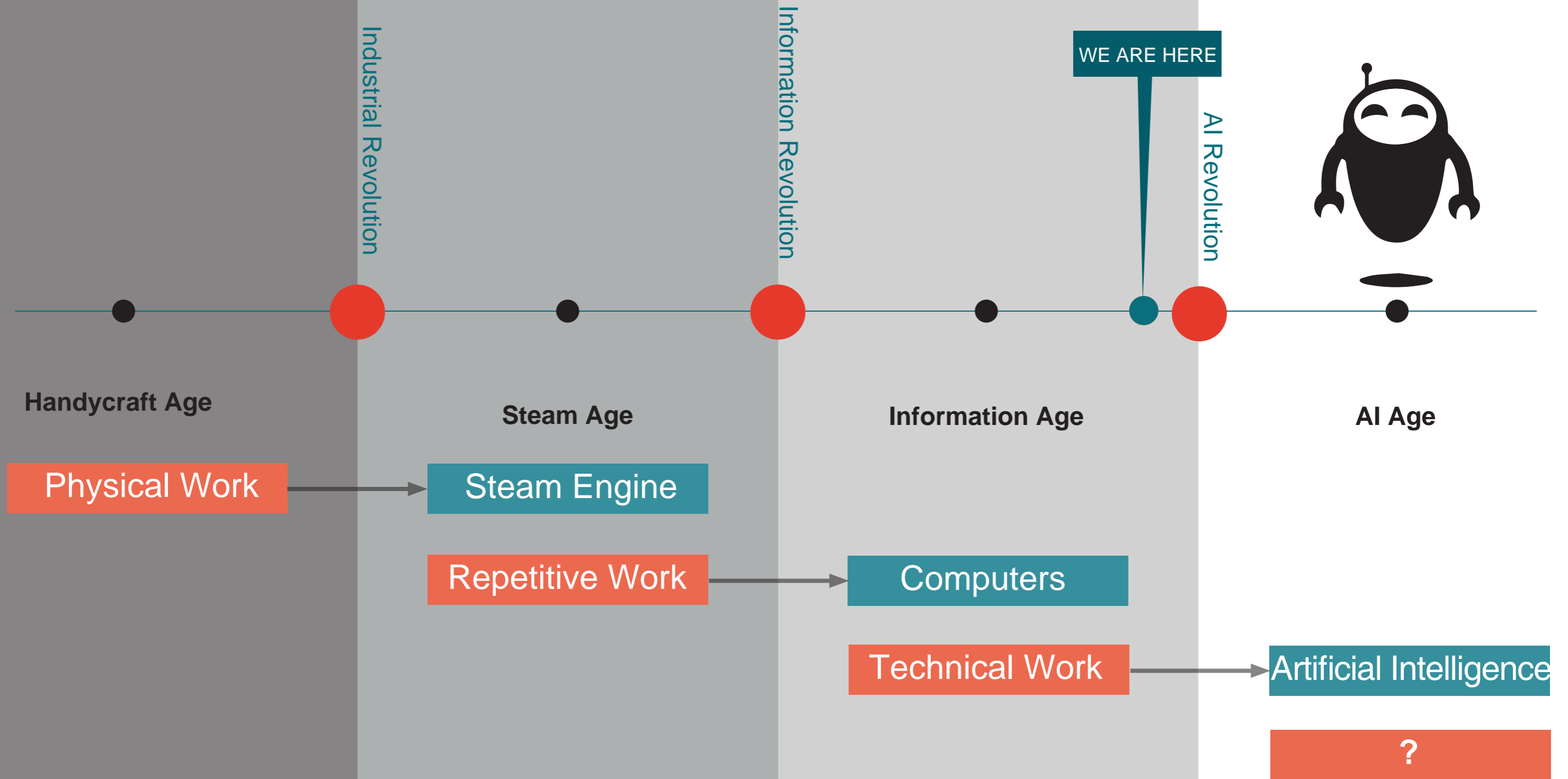


How will we Work in 2050 ?



Jobs are **KEEPING** being replaced by new Technologis.

THE REPLACEMENT OF JOBS



"FACTORS" Lead to job obsolete

Journalist



Dish washer



LOW/SINGLE-SKILLED

Artist



Cashier



LOW CREATIVITY

Surgeon

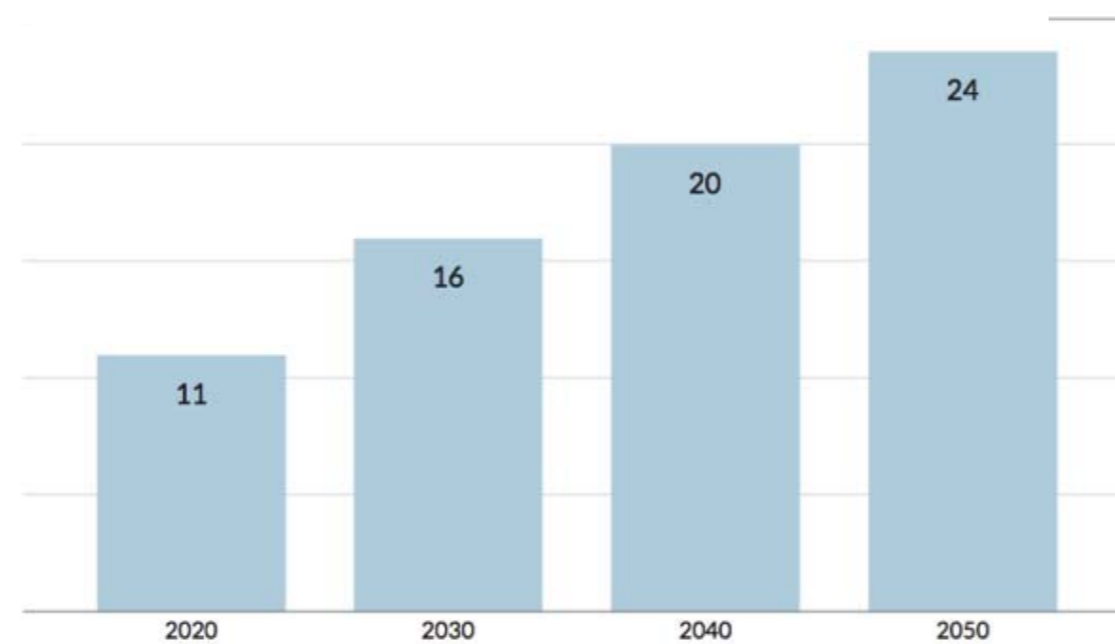


Telemarketer



LOW PRODUCTIVITY

MP Delphi: Expected development of global unemployment rates (%)



- The world **unemployment rate** will keep rising to 24 percent in 2050.

How can architecture support the
unemployment situation in Zeeburg in 2050?

White Paper

Collaboration in Cities: From Sharing to 'Sharing Economy'

In collaboration with PwC

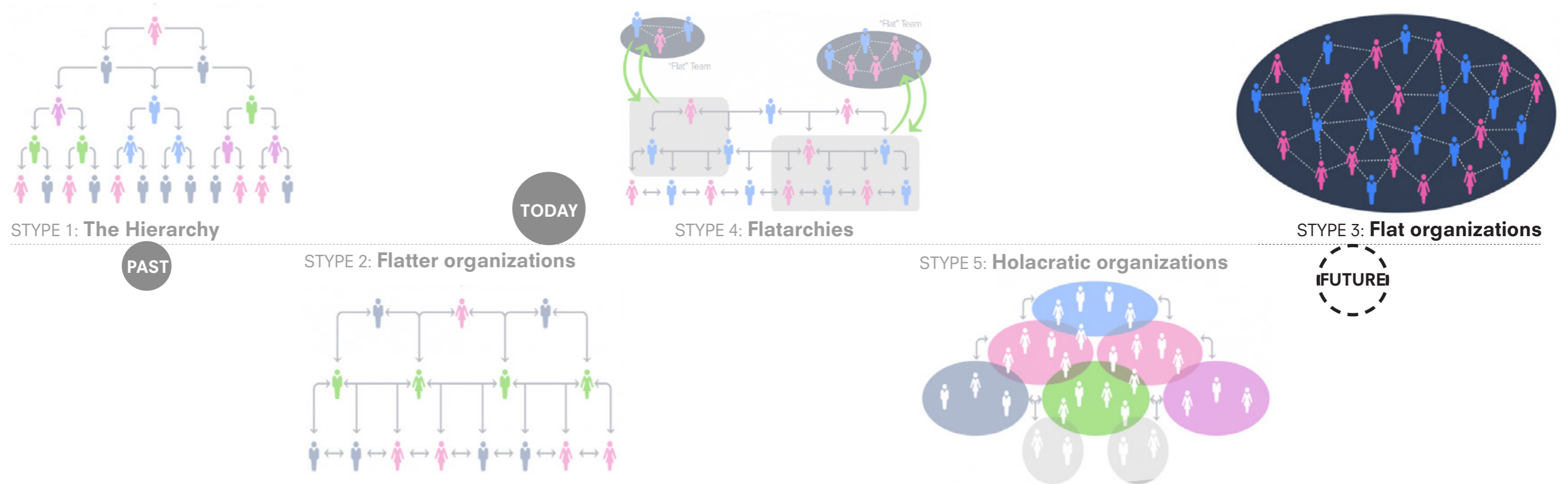
December 2017



Collaboration & Sharing

"A broader economic change from corporate culture to more **flexible** environment based on ideas of **sharing economy, collaboration and networking**, fostered by information technologies."

"SCENARIO" of work-mode in 2050



- The organizational border will be **blurred**.
People will work in **freelancing and cooperative** ways.

■ How can the replaced workforce **RESTART UP** under 2050 Scenario ?

A truck Driver's process to
Re-employment

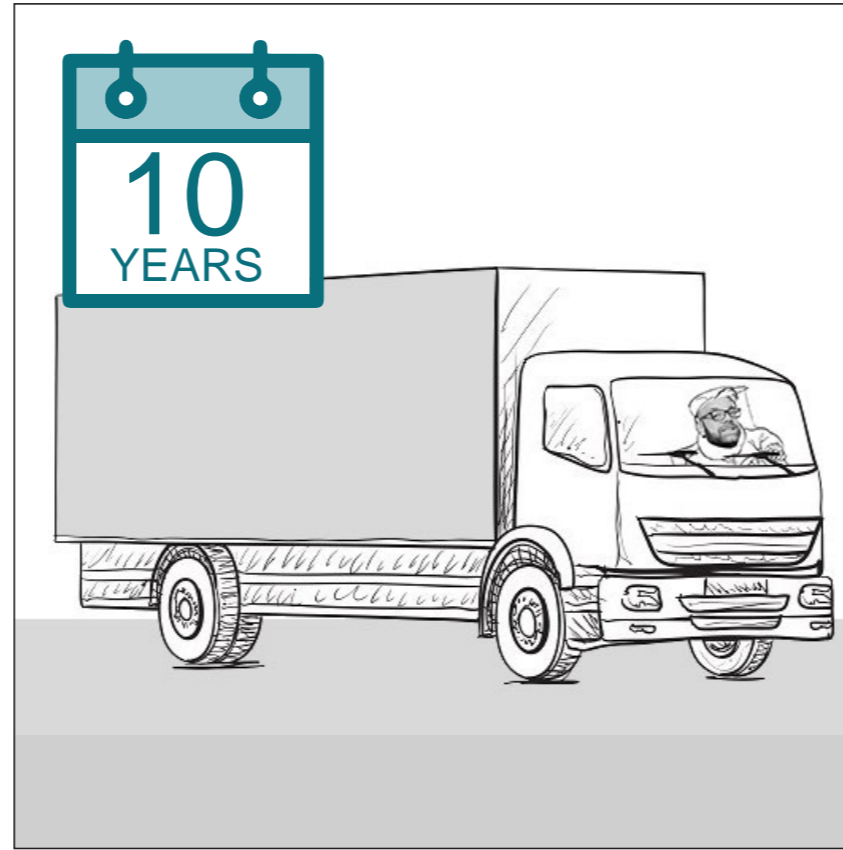
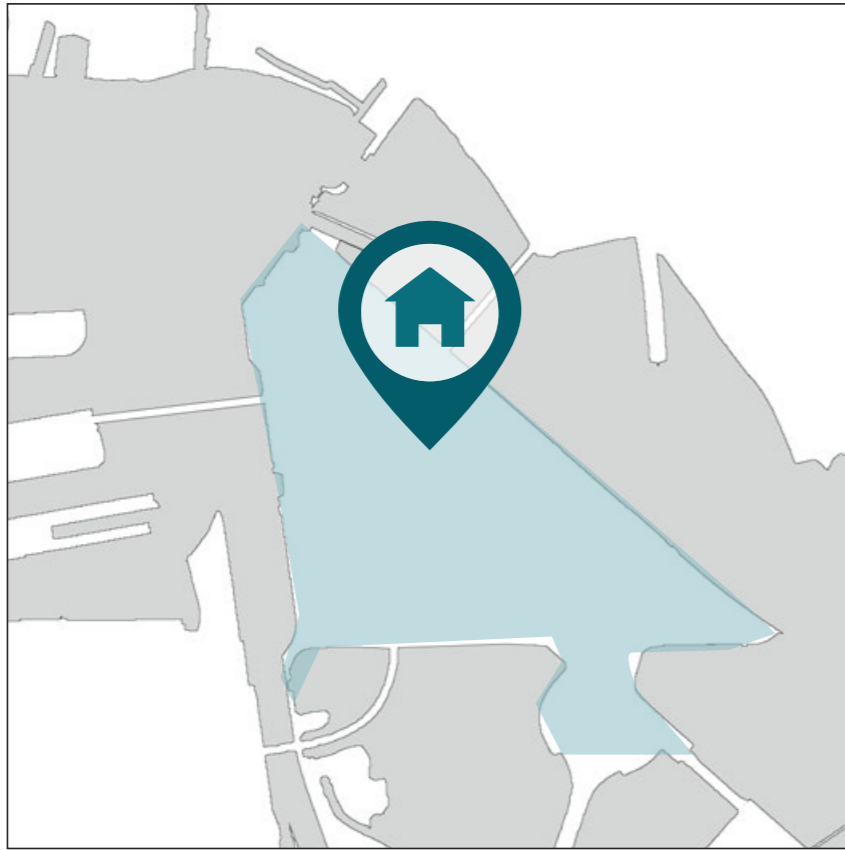




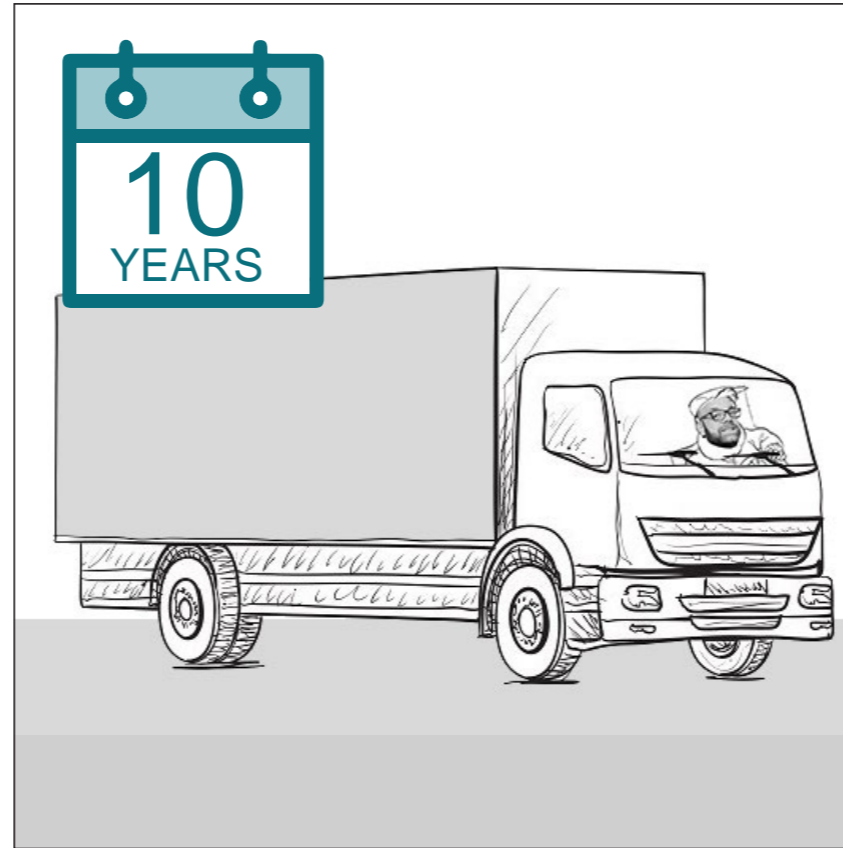
He Lives on the island.



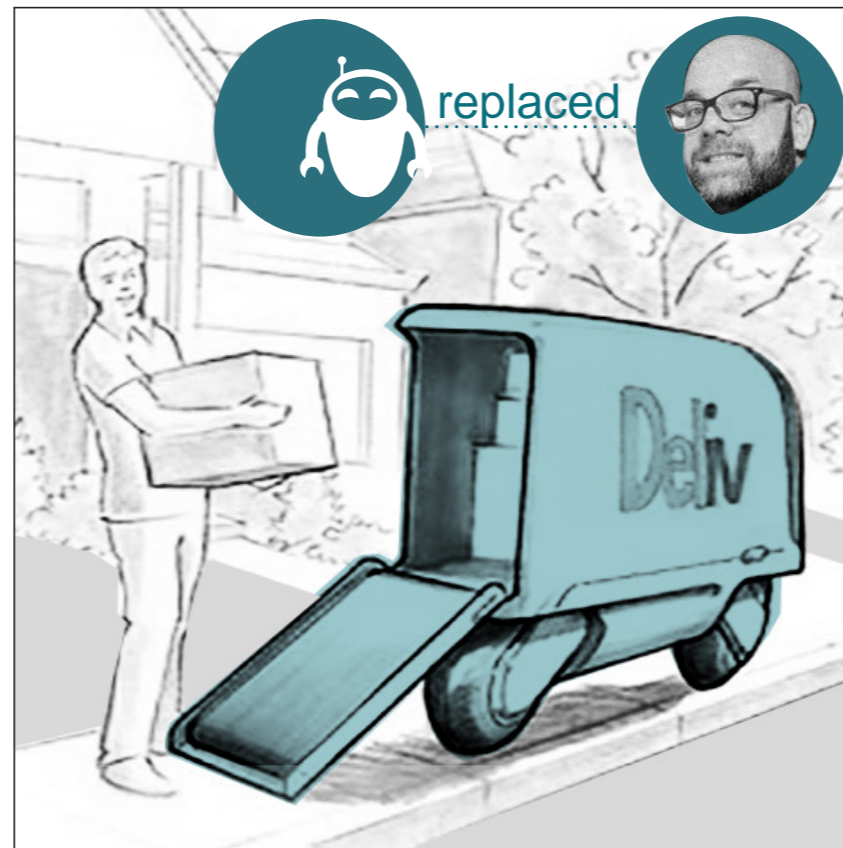
Have drove for 10 years. Driving is his only life-earning-skills.



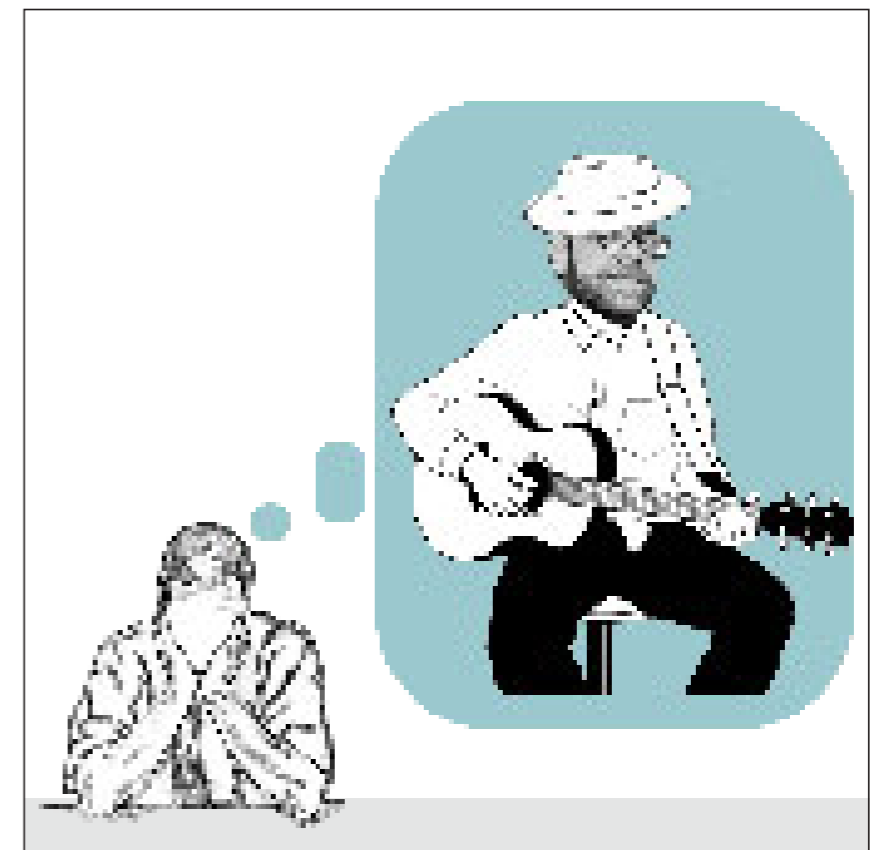
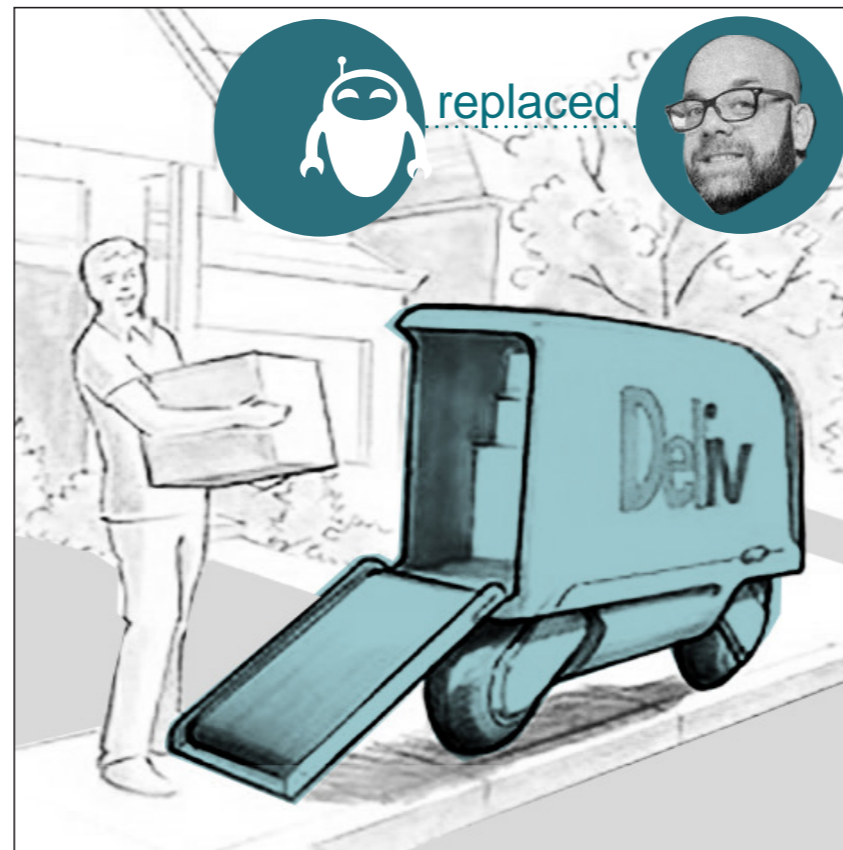
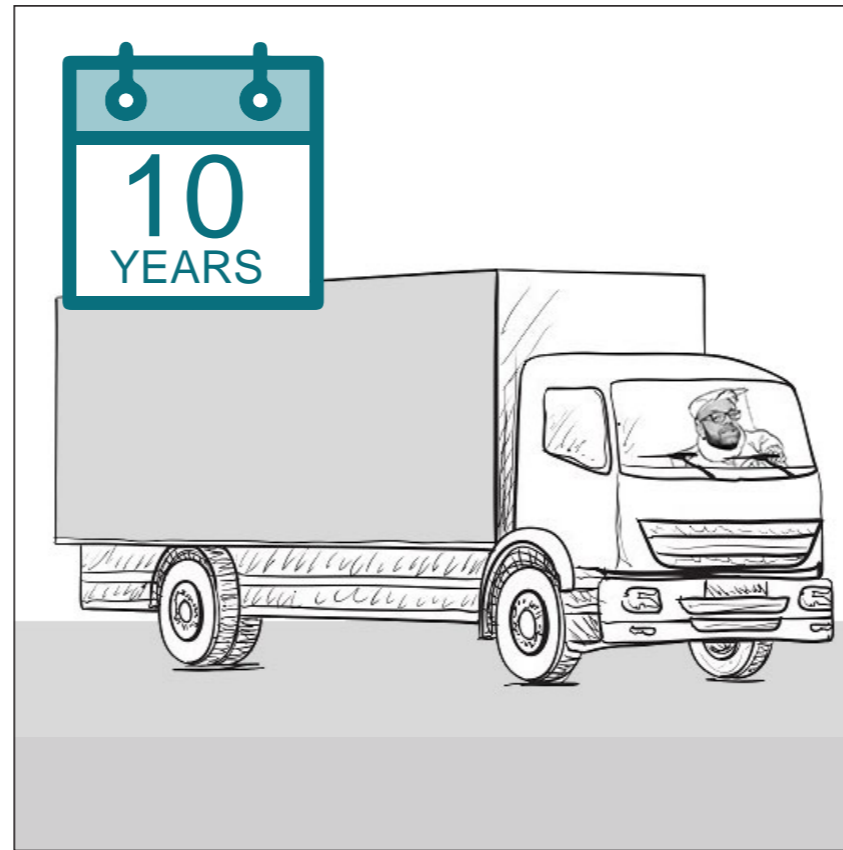
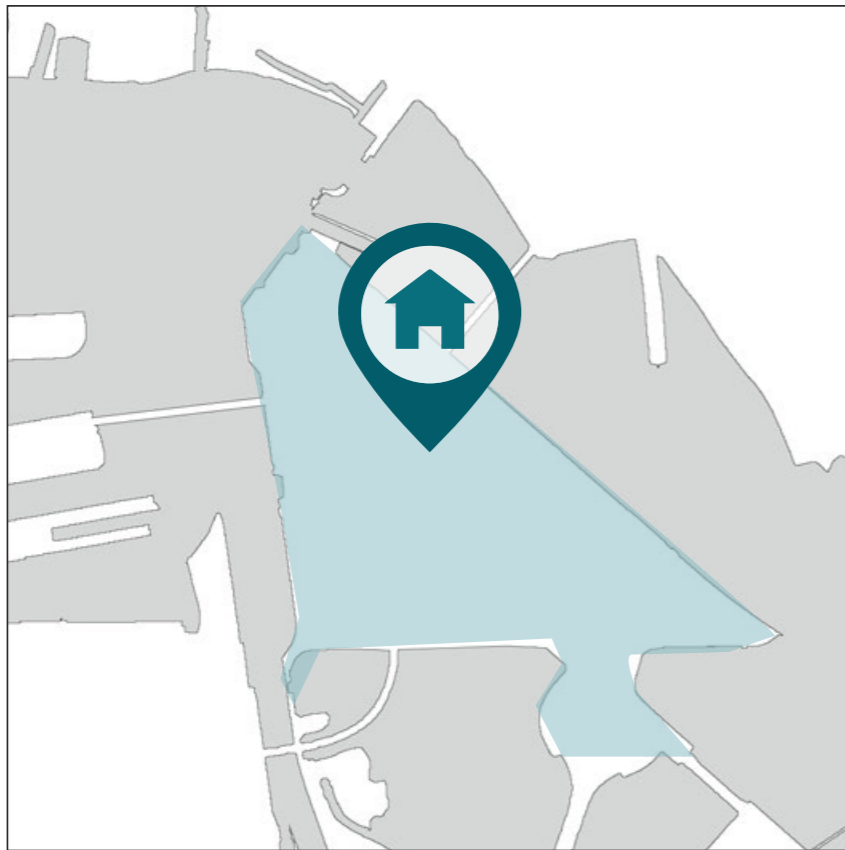
His loves to sing since he was a child, that he always singing while driving every day.



Singing was also a way he record his live by making original songs.



However, one day, His job was took over by self-driving robots.



Now it is the time, he re-think about working as an musician.

HOWEVER



- His **professional knowlege** is scarce.
- He **cannot afford to learn** music at a collage.
- He doesn't know **how to be** a full-time musician, so that he cannot be docked upstream and downstream.
- He doesn't have **confidence** and do not know whether his song is special enough.
- He doesn't have the **opportunity to communicate** with professional musicians,
- He also does not know how to **make profit** from his songs....



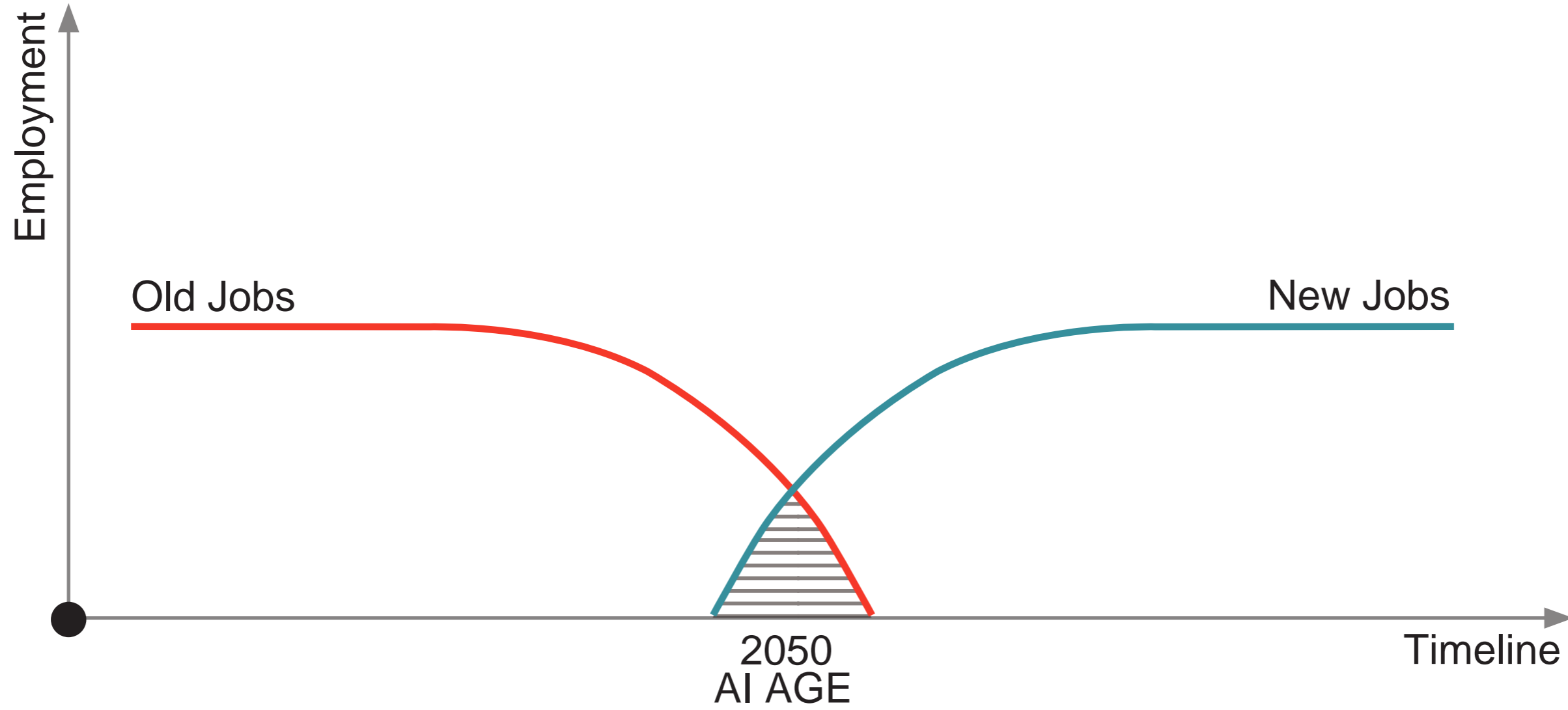
Remember the Truck driver.
This is just one example of 300,000 ca of population who will face the
problem in Amsterdam in 2050 .



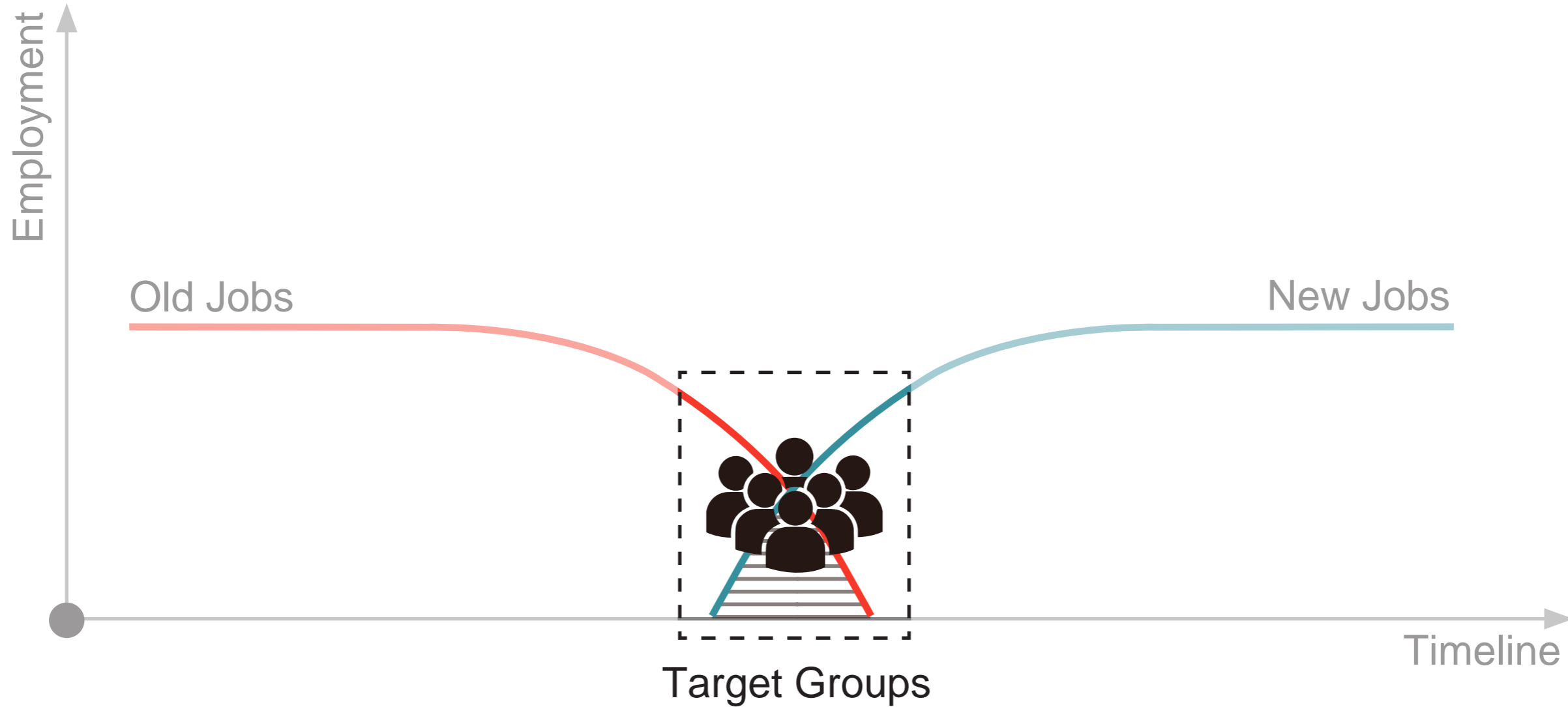
What's the **FUTURE** for them?

The image depicts a vibrant, multi-level office environment. The architecture features raw concrete walls and ceilings, with various levels connected by ramps and stairs. A prominent feature is a large, curved glass structure that houses a workspace with desks, computers, and office chairs. The ground floor is carpeted with a colorful, patterned design. Several people are shown in various activities: one man stands on an upper level, another man in a suit walks in the foreground, and others are seated at desks or standing in conversation. The space is decorated with large potted plants and colorful murals on the walls. The overall atmosphere is modern, collaborative, and creative.

A [Re]Start-up Hub will be here to offer all of these people
a [re]Start



The Transition Period.



Restart-ups



- Transition-needed people

Start-ups



- Newly-emerging-field Start-ups
- Small Company's entrepreneurs



- College Students

NEEDS LIST

Educational	Social	Financial	Mental
<ul style="list-style-type: none"> ■ Updating into future-proof skills. ■ Re-skilling in a new field ■ Soft skills ■ Career planning 	<ul style="list-style-type: none"> ■ sources of newly emerging jobs. ■ getting in touch with professional people. ■ Job opportunities in other field. 	<ul style="list-style-type: none"> ■ ways of life-earning 	<ul style="list-style-type: none"> ■ being respected ■ Sense of Self-value ■ Initiatives to be re-skilled ■ being supported ■ confidence ■ Sense of Hope
<ul style="list-style-type: none"> ■ Professional knowledges ■ Enlightenment 	<ul style="list-style-type: none"> ■ collaboration partners ■ Project Opportunities ■ Career Expanding 	<ul style="list-style-type: none"> ■ Laborfoce ■ Workspace & Studios 	<ul style="list-style-type: none"> ■ Feeling relaxed ■ sense of self-actualization
<ul style="list-style-type: none"> ■ Career planning ■ Professional knowledges ■ Soft skills 	<ul style="list-style-type: none"> ■ getting in touch with professional people. ■ Job opportunities 	<ul style="list-style-type: none"> ■ Part-time jobs ■ Intership 	<ul style="list-style-type: none"> ■ Sense of Self-value ■ being supported ■ sense of self-actualization

Restart-ups



■ Transition-needed people

Start-ups



- Newly-emerging-field Start-ups
- Small Company's entrepreneurs



■ College Students

SOLUTION

Educational

- Updating into future-proof skills.
- Re-skilling in a new field
- Soft skills
- Career planning

- Professional knowledges
- Enlightenment

- Career planning
- Professional knowledges
- Soft skills

Social	Financial	Mental
<ul style="list-style-type: none"> ■ sources of newly emerging jobs. ■ getting in touch with professional people. ■ Job opportunities in other field. 	<ul style="list-style-type: none"> ■ ways of financing 	<ul style="list-style-type: none"> ■ being respected ■ Sense of Self-value ■ Initiatives to be re-skilled ■ being supported ■ confidence ■ Sense of Hope
<ul style="list-style-type: none"> ■ collaboration partners ■ Project Opportunities ■ Career Expanding 	<ul style="list-style-type: none"> ■ Lab/focus ■ Workshops & Studios 	<ul style="list-style-type: none"> ■ Feeling relaxed ■ sense of self-actualization
<ul style="list-style-type: none"> ■ getting in touch with professional people. ■ Job opportunities 	<ul style="list-style-type: none"> ■ Part-time jobs ■ Internship 	<ul style="list-style-type: none"> ■ Sense of Self-value ■ being supported ■ sense of self-actualization



SOLUTION

Education
(Life long learning/ skills)

+

Integrating
(skills and abilities of different people)

So they can learn from each other, and create job opportunities.



SOLUTION

Education
(Life long learning/ skills)

+

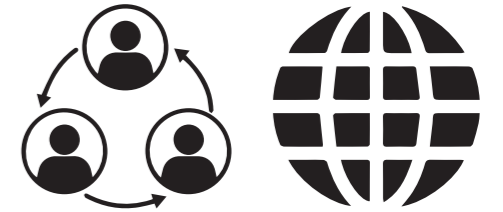
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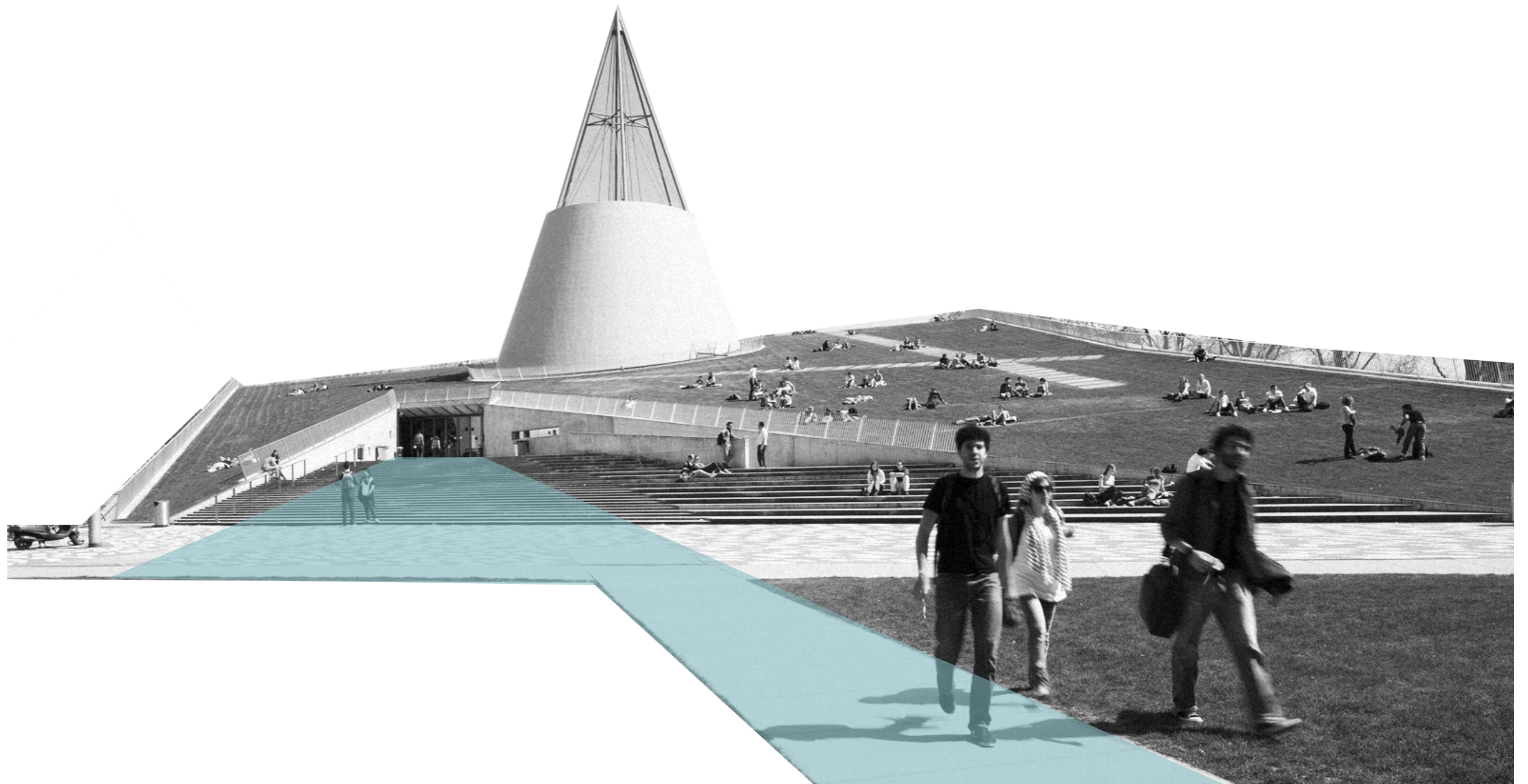
EDUCATION



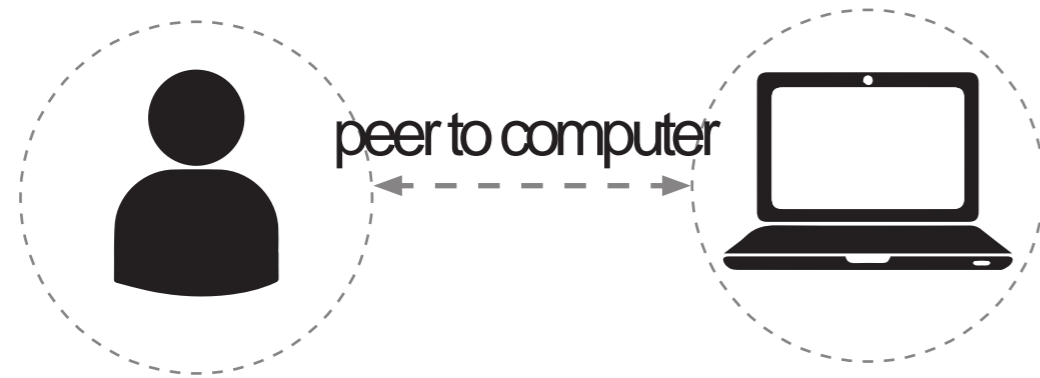
■ **Universities** will be the **source** of Skill and Knowledges.



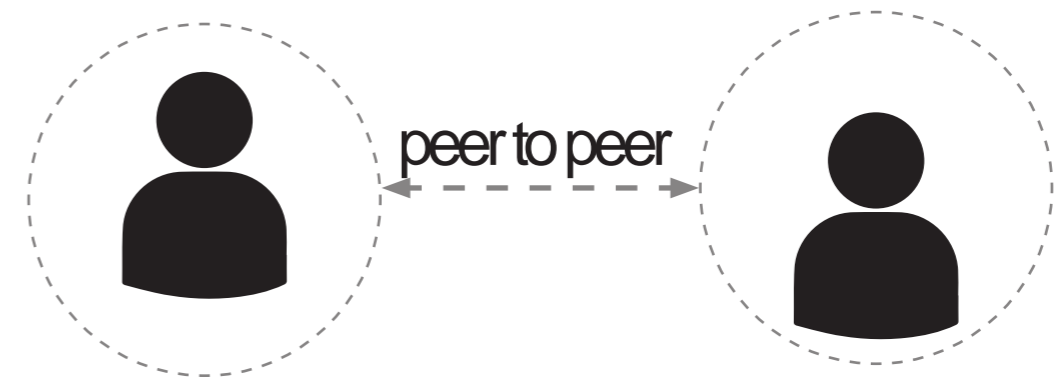
■ However, **Individuals and Internet** will be the main way to spread it.



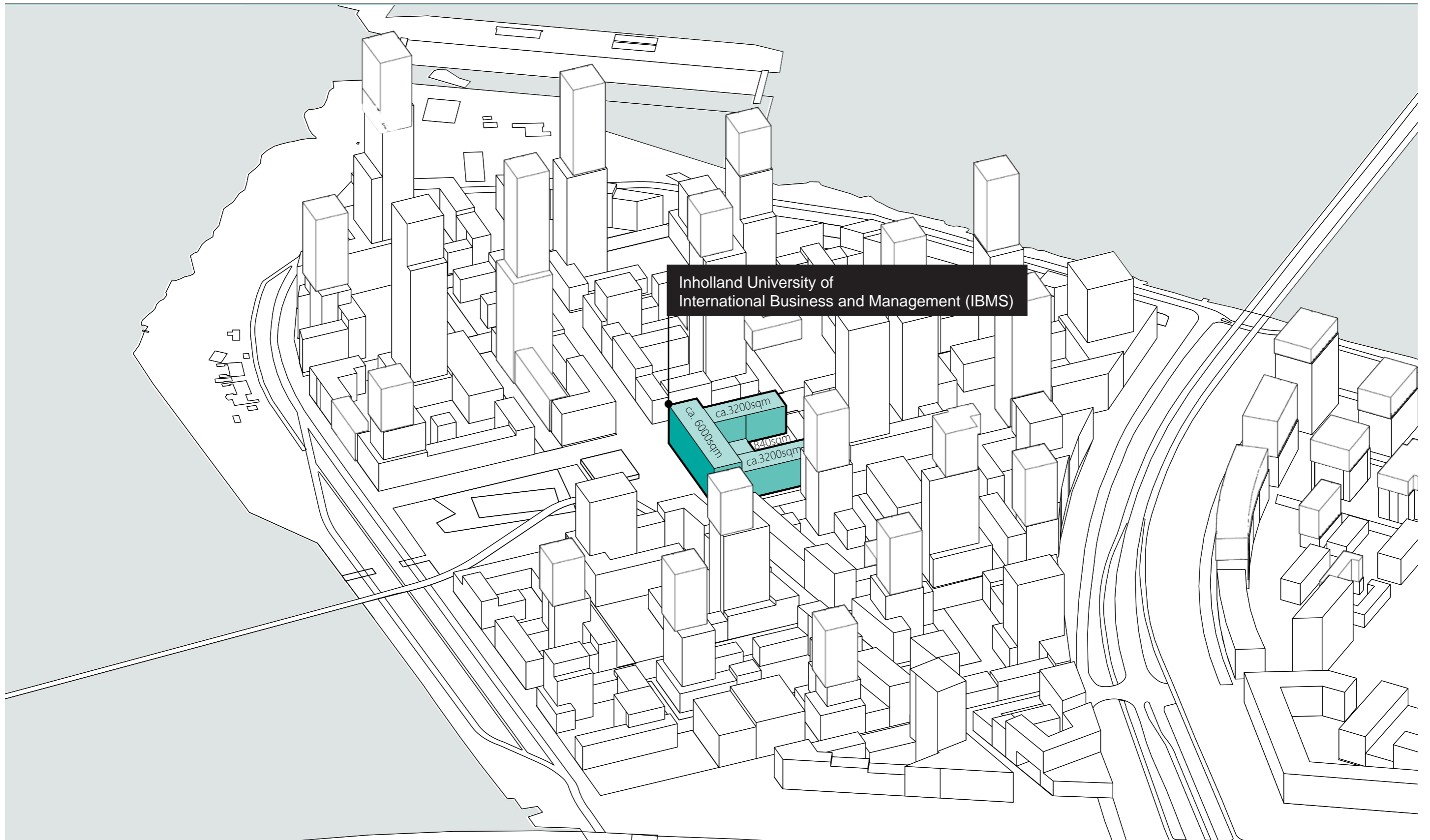
EDUCATION



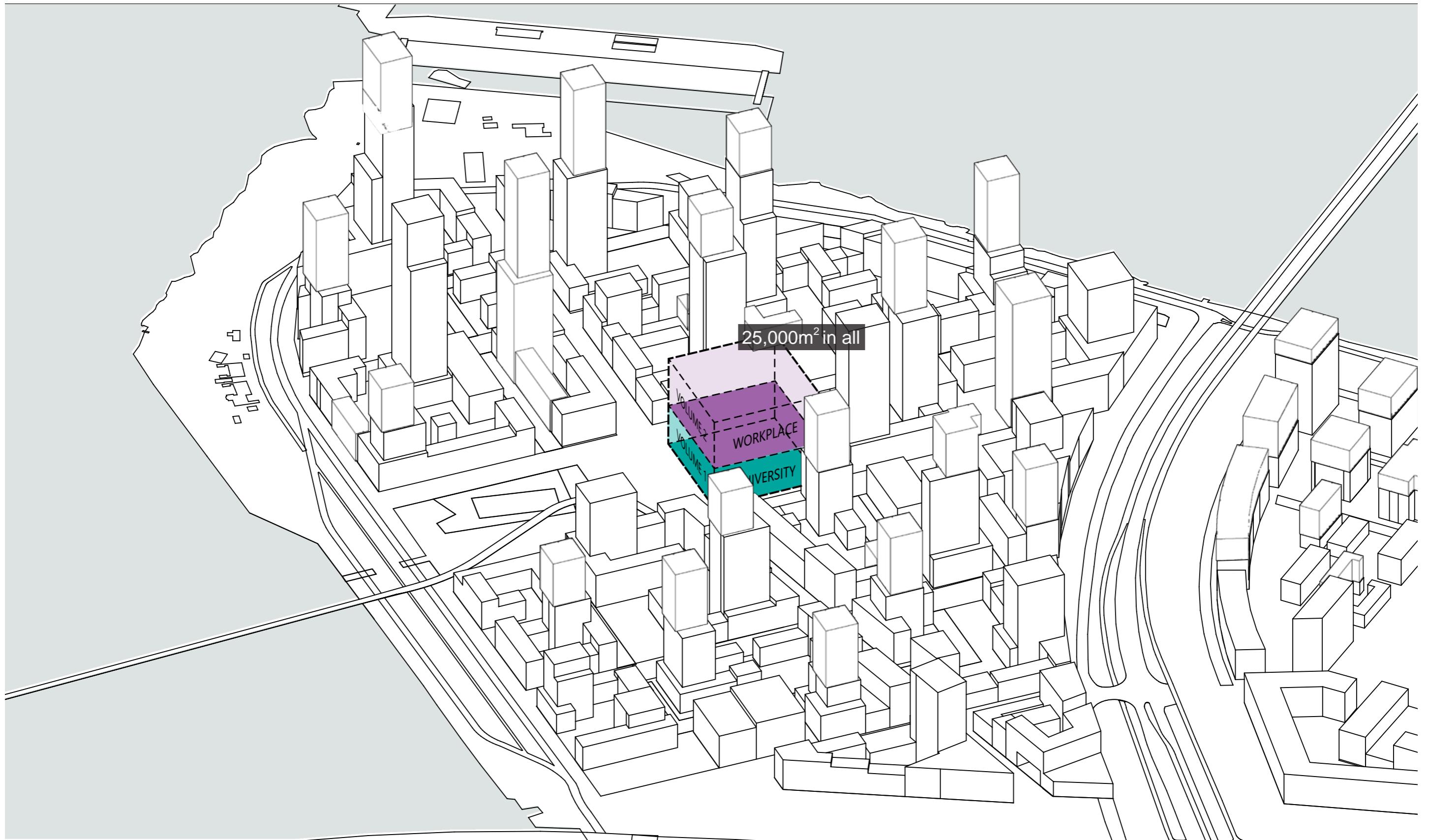
- **STEM Knowledge** (Science, Technology, Engineering and Mathematics) Education will transite to **Peer-to-Computer**.



- **Meta Skills** (Self-organization, Job-crafting, Collaboration) and **lifelong-skills** will be focus more **Peer-Peer**."



Faculty of IBMS of Inholland University has already been planned on the island, which can be used as the source of knowledge.



The [Re]start-up Hub will be designed **integrating** with the faculty of the university.



SOLUTION

Education
(Life long learning/ skills)

+

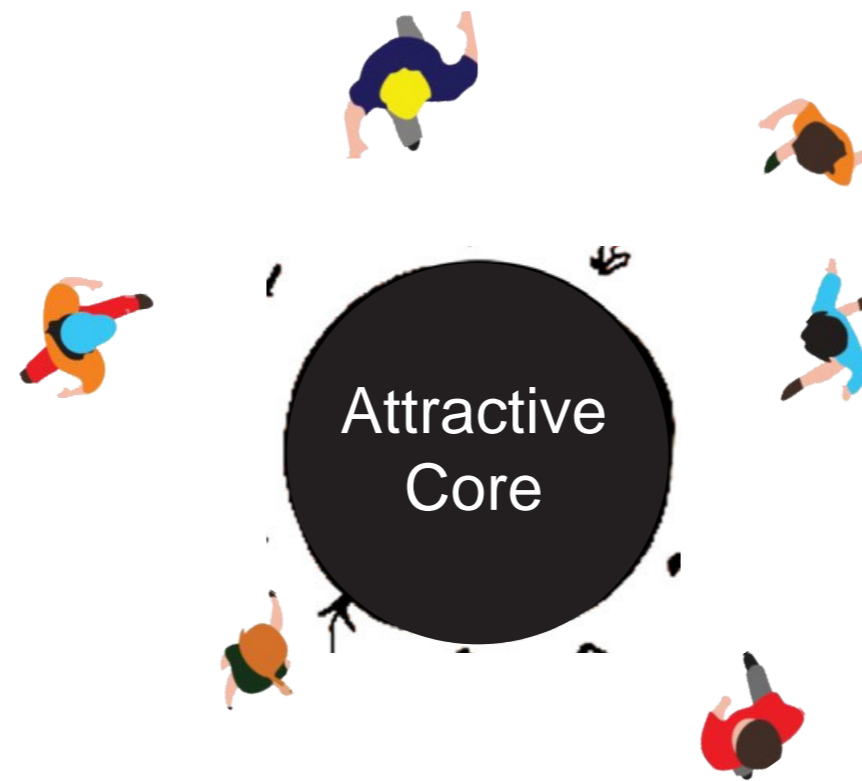
Integrating
(skills and abilities of different people)

So they can learn from each other, and create job opportunities.

A black and white portrait of Ole Scheeren, an architect. He is shown from the chest up, wearing a dark suit jacket over a white shirt. He has dark hair and a light beard. The background is a blurred interior space with architectural elements like columns and windows. On the left side of the image, there is a dark grey rectangular box containing white text.

“in an age where digital work can be performed
anywhere, architecture takes on the critical role of
bringing people together”

-----Ole Scheeren(Architect)



promoting encounters, opportunities, coincidences..
encouraging diversity activities, communication, creativity.



INTEGRATING PROGRAMS

Program including:

Social Bar

Library

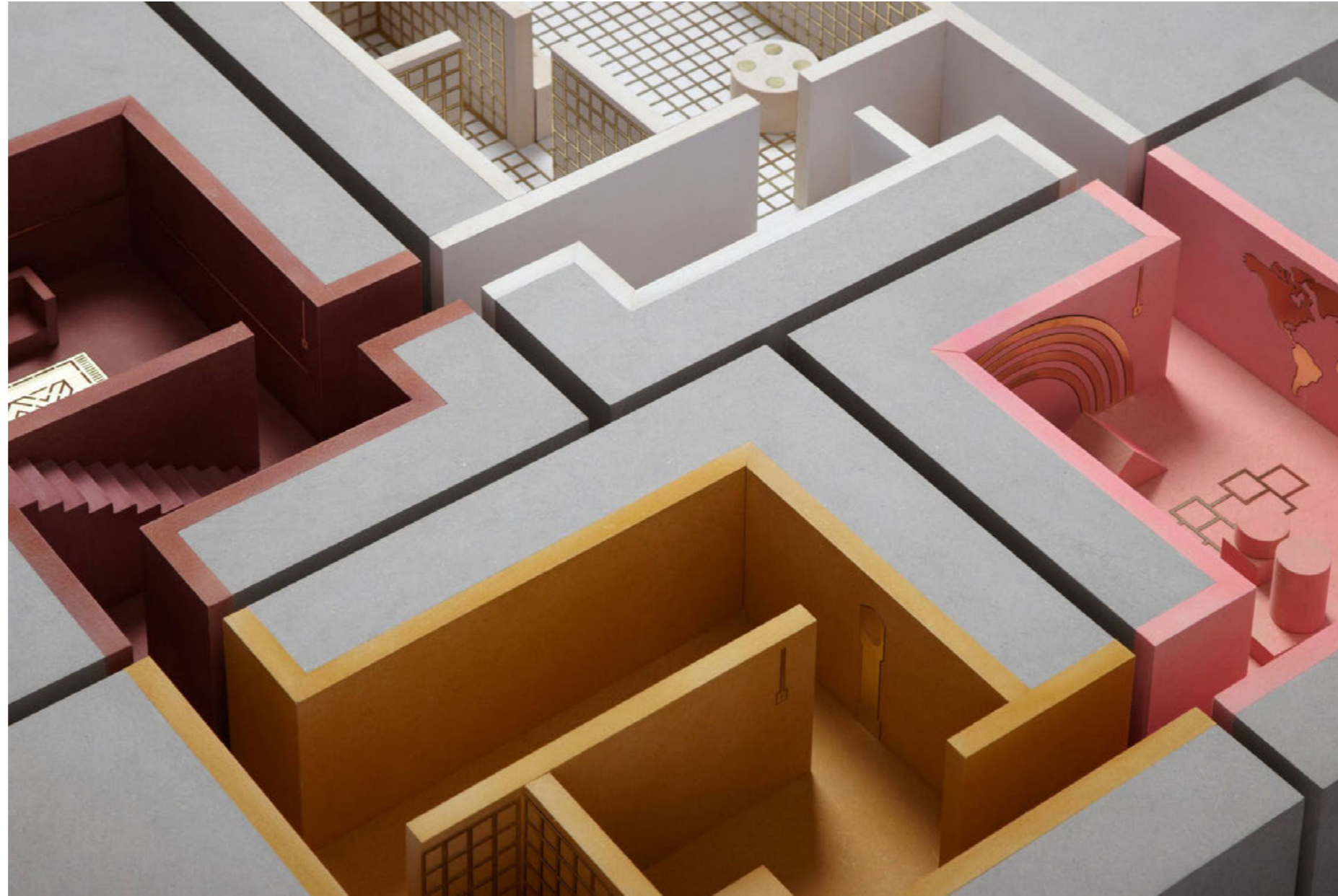
Collaboration Room

Workshop

Meeting Room

.....

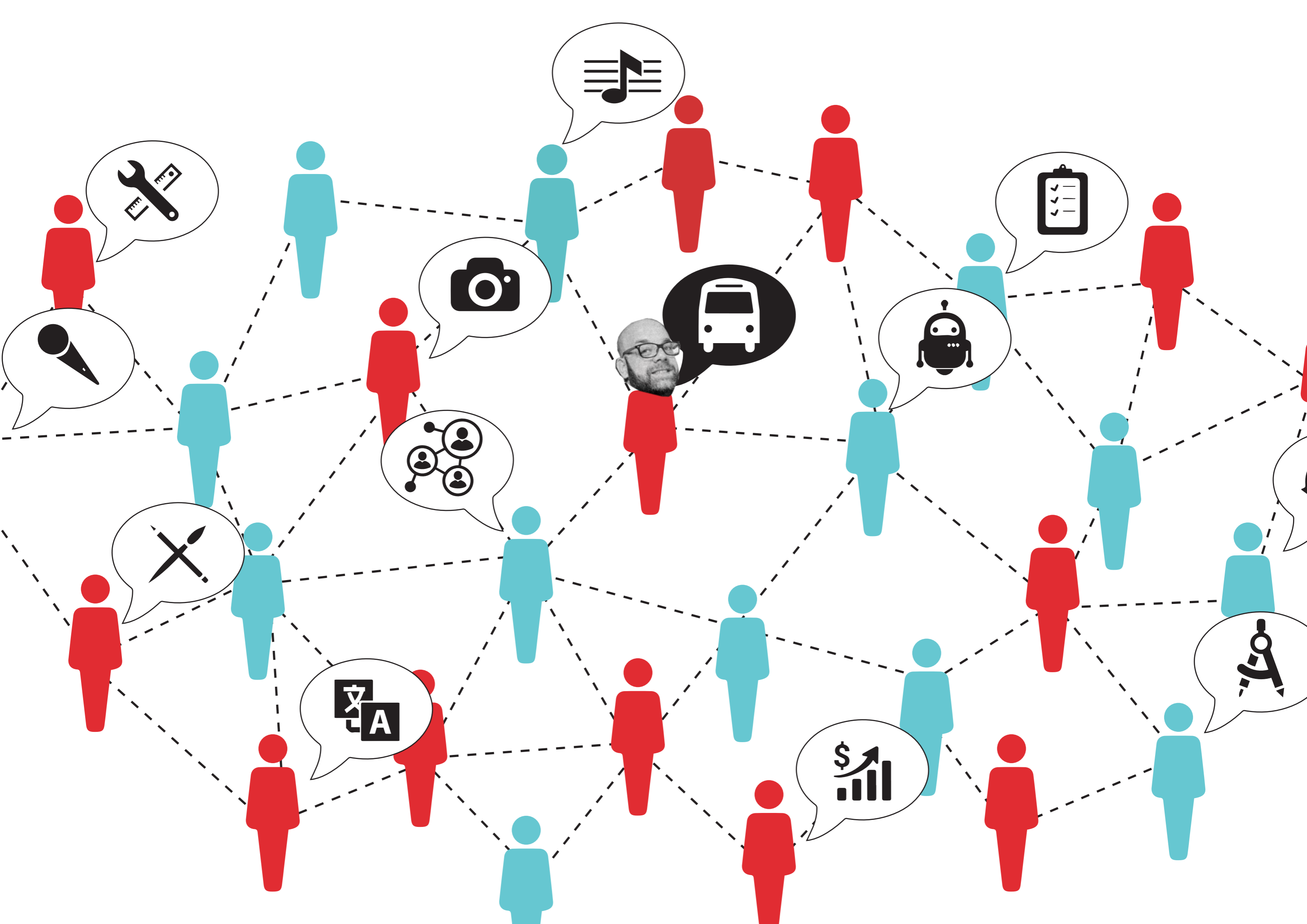
ENCOURAGE ATTENDING ACTIVITIES

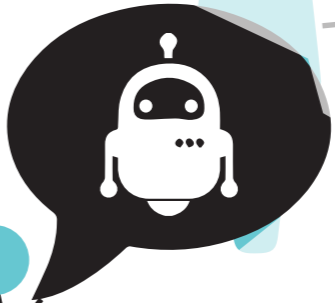
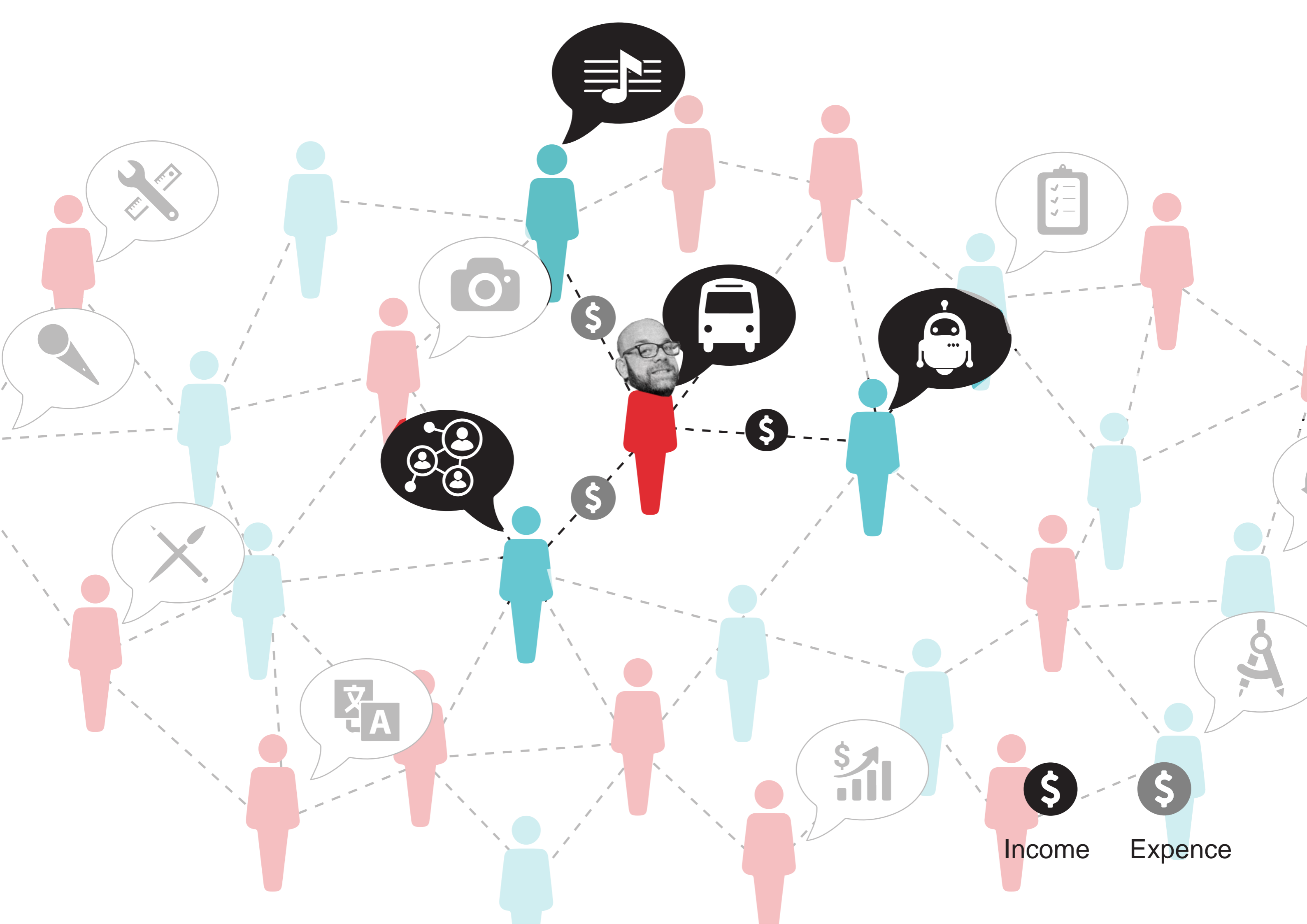


Small intense space networks,
Force people walk through different
function parts.

Still remember the **TRUCK DRIVER**?





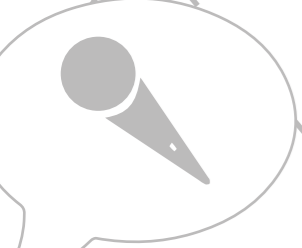
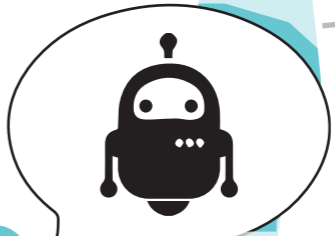


Income

Expense



I want to be a singer



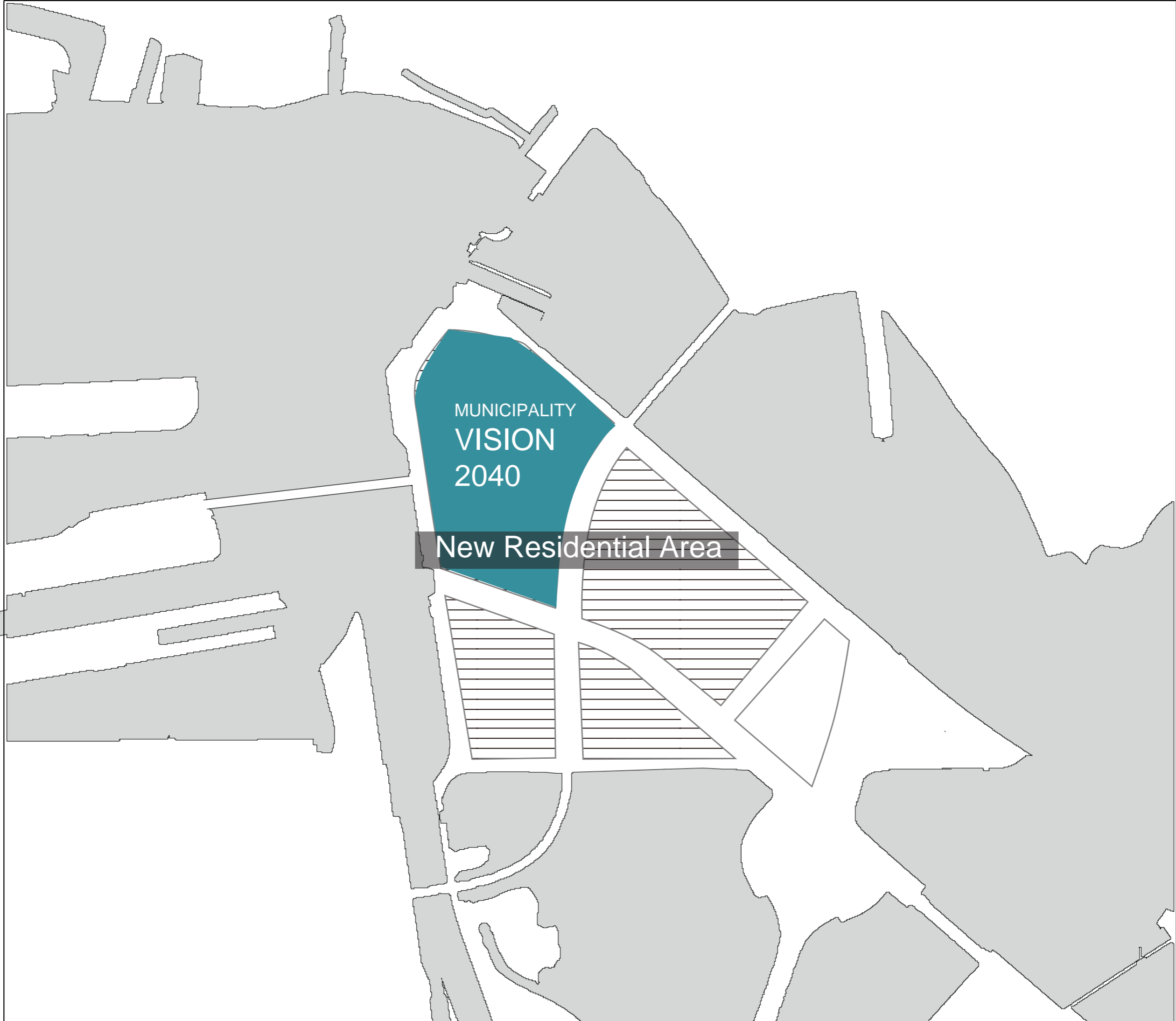
Income

Expense





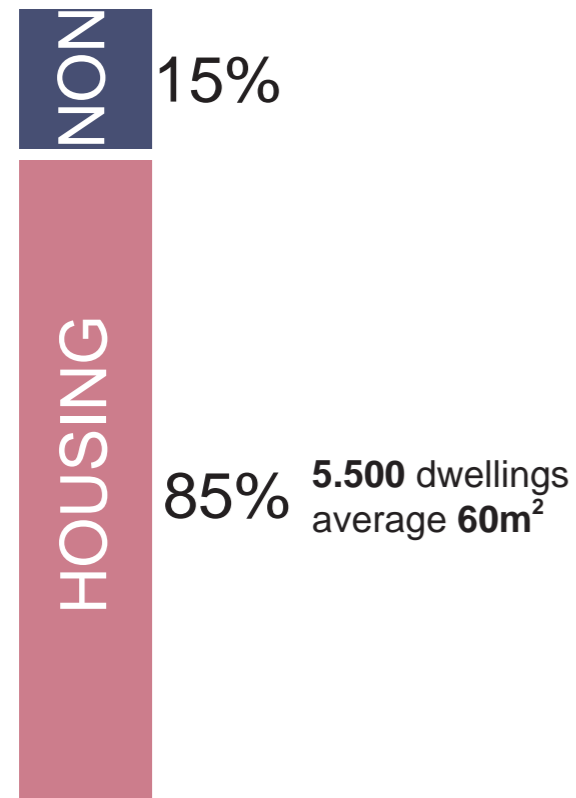
ZEEBURGEREILAND



MUNICIPALITY
VISION
2040

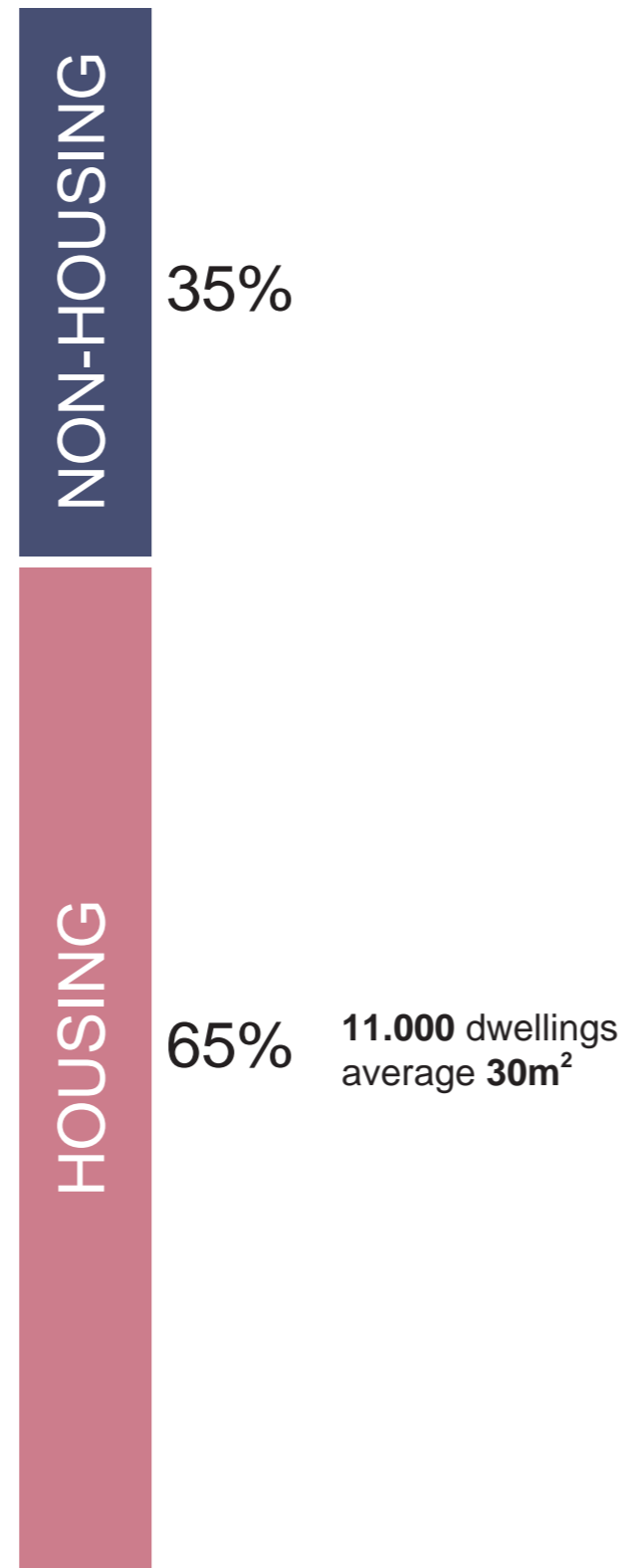
New Residential Area

Residential Area



municipality vision

Mixed, Self-sufficient Urban Lab



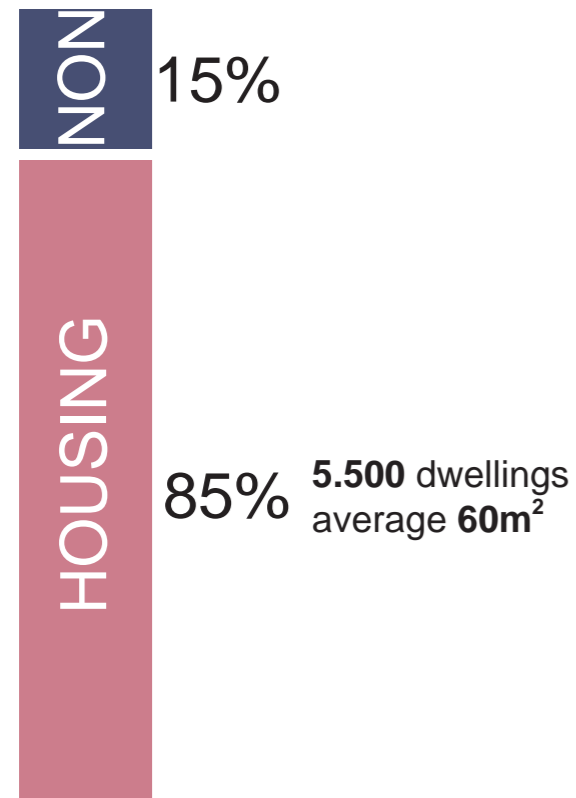
group vision

Increase of the amount of **1-person households**.



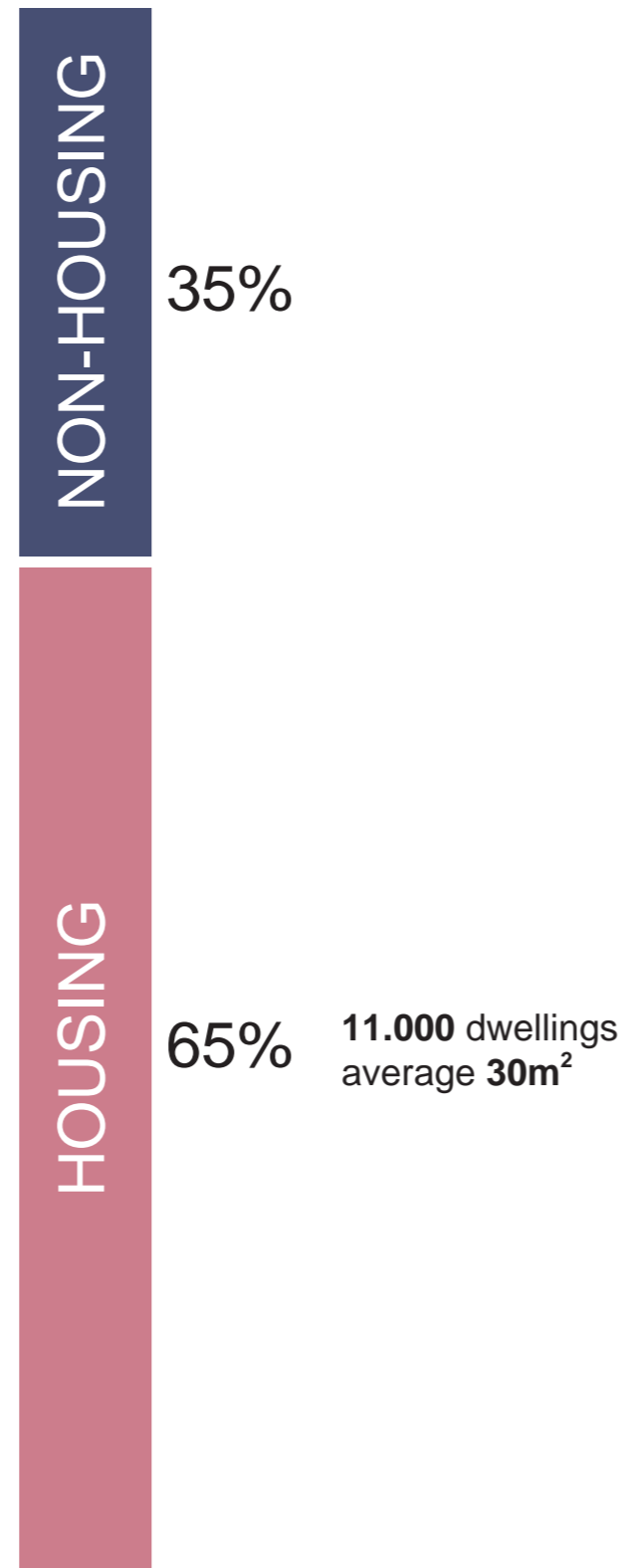
More **young people**, fight for their career start-up period will move here, they need places to start up.

Residential Area



municipality vision

Mixed, Self-sufficient Urban Lab



group vision

Increase of the amount of **1-person households**.

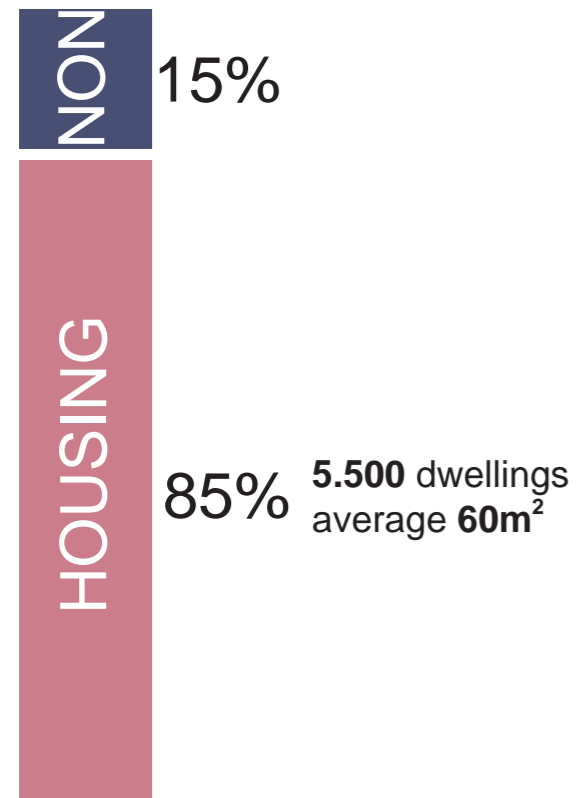
Increased amount of **offices**.



More **young people**, fight for their career start-up period will move here, they need places to start up.

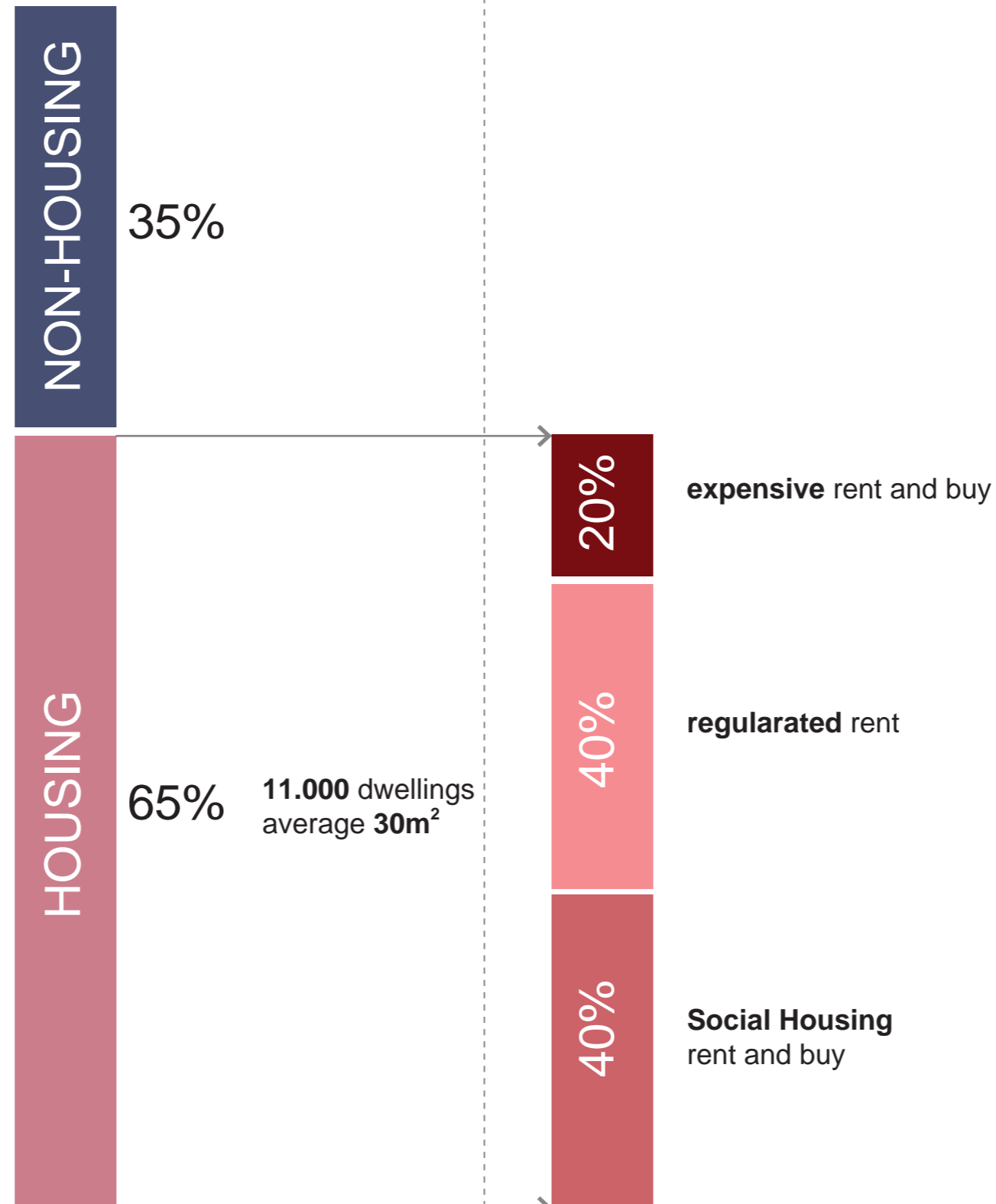
More **work opportunities** on the site. **People in restart-up period** could easier to find a job near by.

Residential Area



municipality vision

Mixed, Self-sufficient Urban Lab



group vision

Increase of the amount of **1-person households**.

Increased amount of **offices**.

Increased **rentad housing**

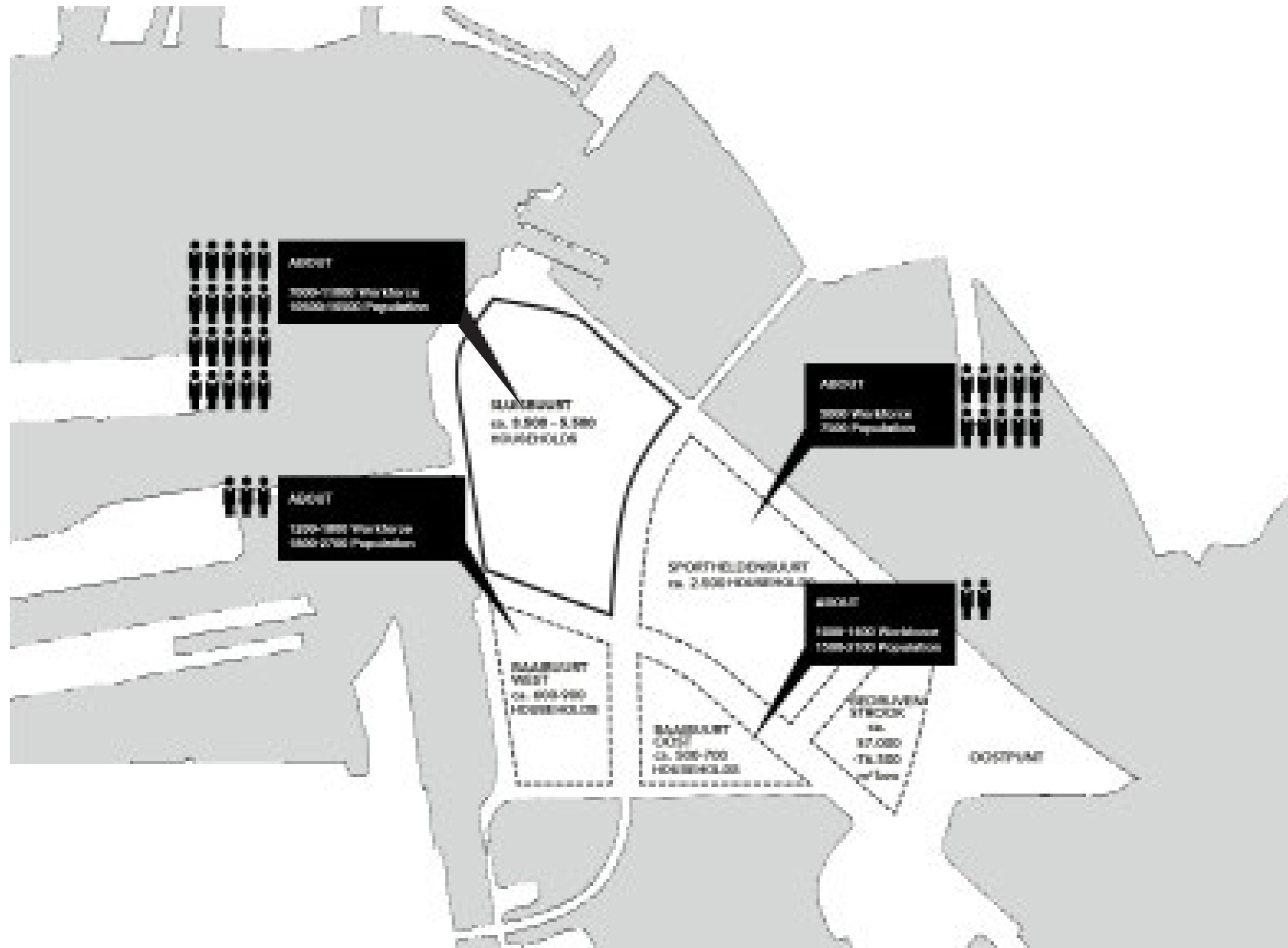


More **young people**, fight for their career start-up period will move here, they need places to start up.

More **work opportunities** on the site. **People in restart-up period** could easier to find a job near by.

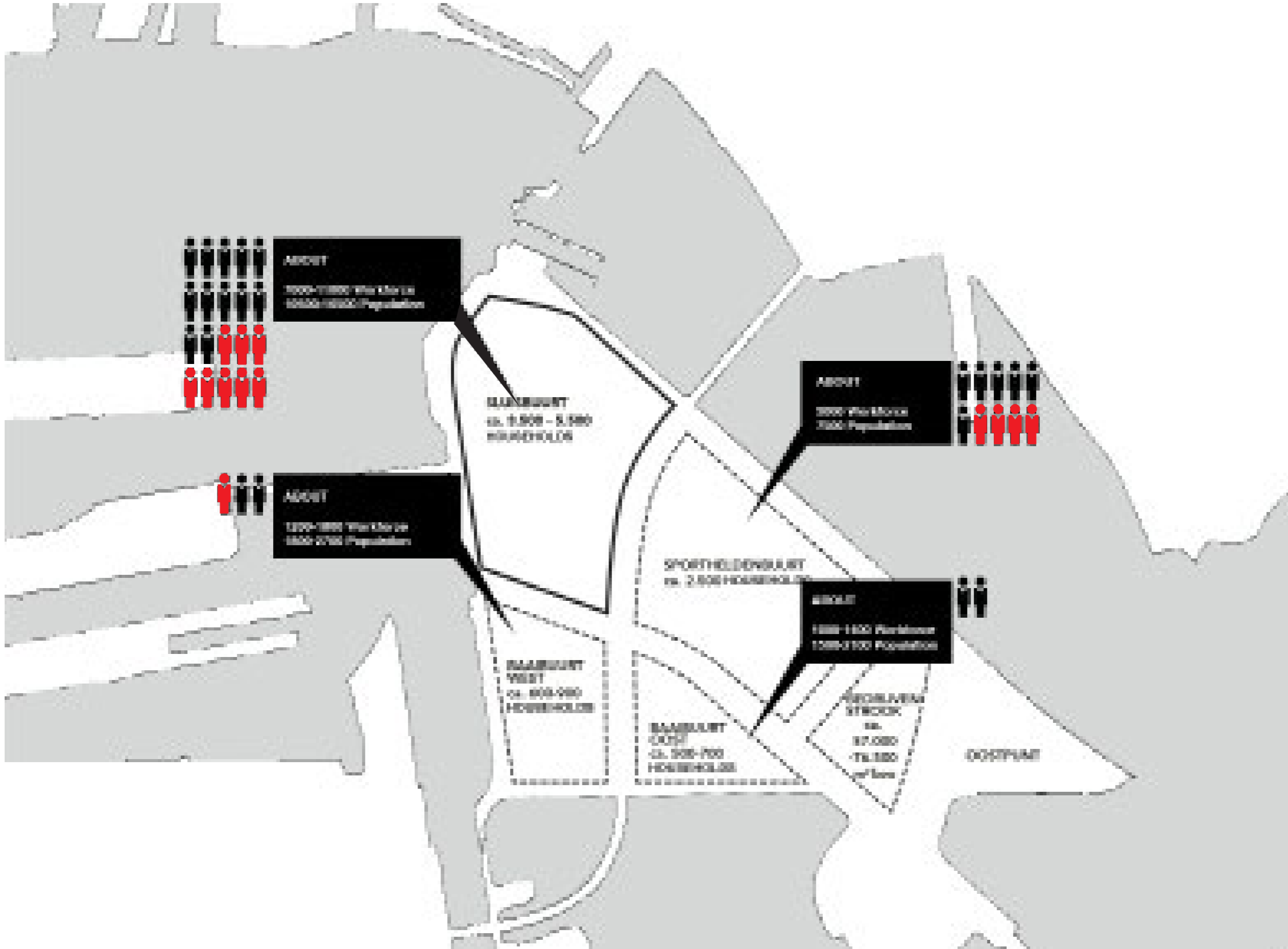
More temporary population will bring vitality here.

TILL 2050

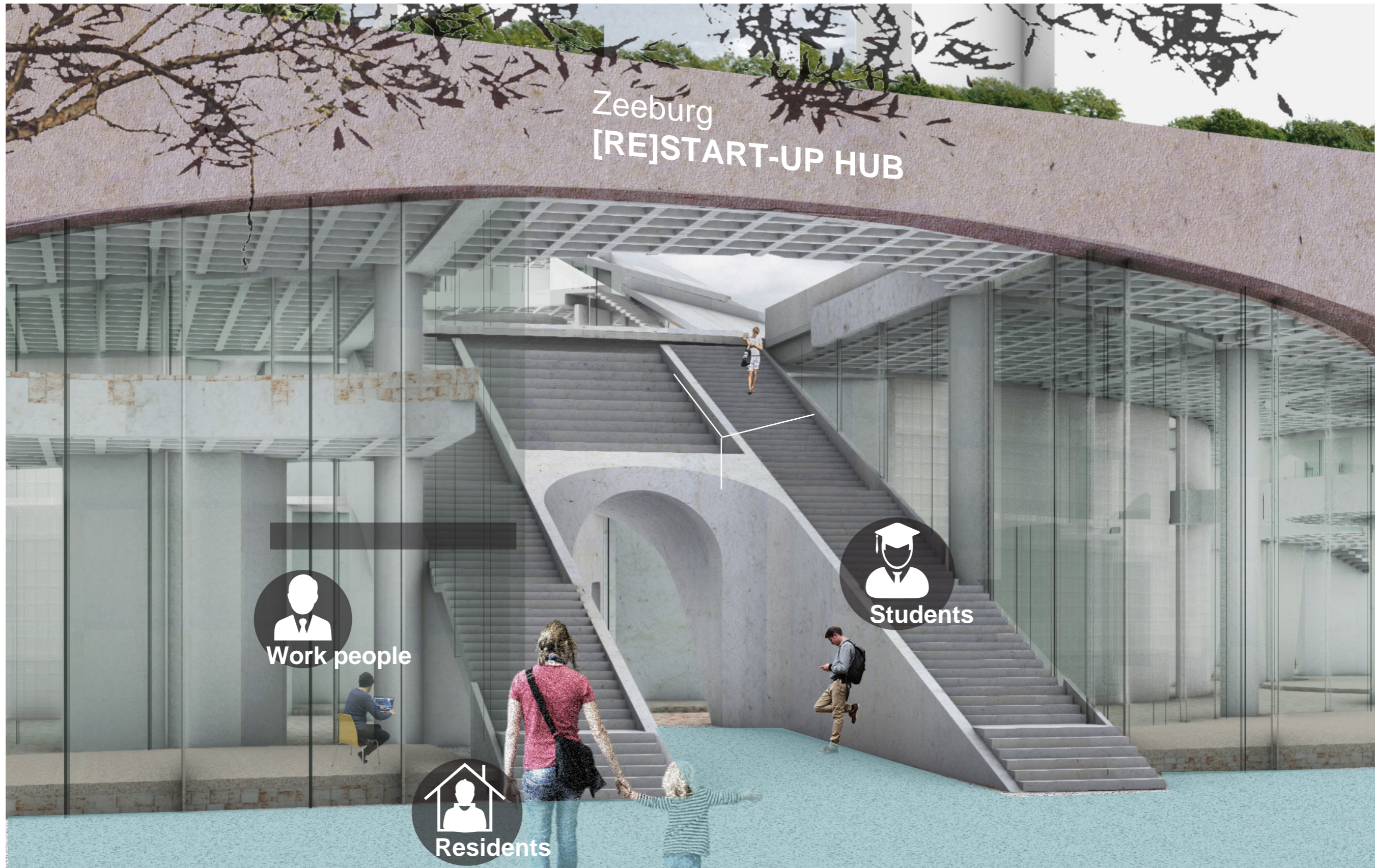


About **13.000** workforce will living on the island. (Rate of 40% social housing)

TILL 2050



Among them, about **5000** population are low-waged, and more possible to lose their work.



Zeeburg
[RE]START-UP HUB

Work people

Students

Residents

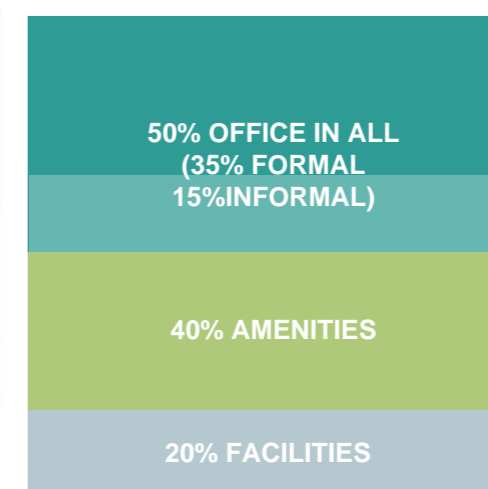
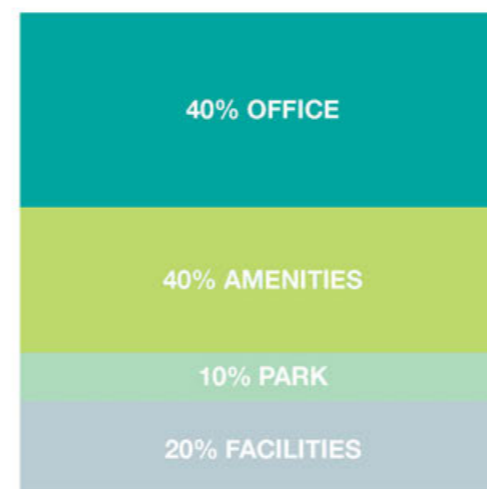
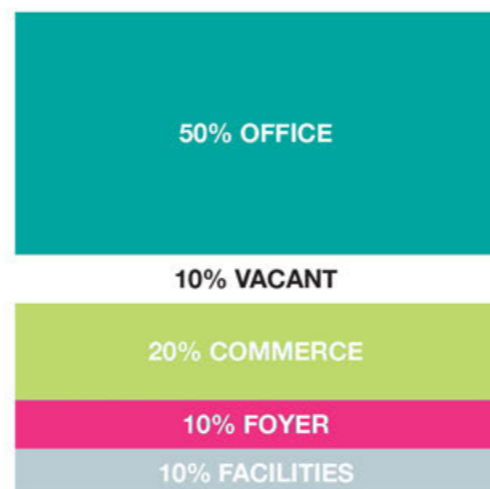
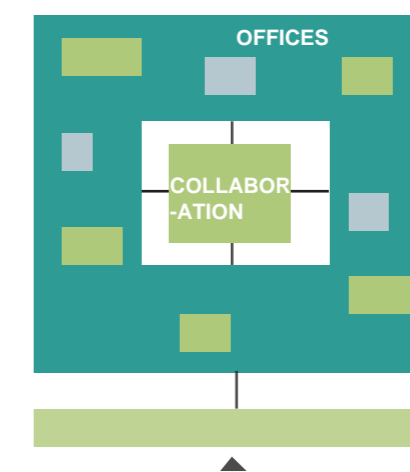
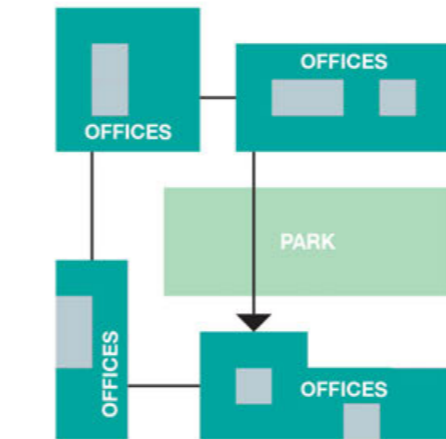
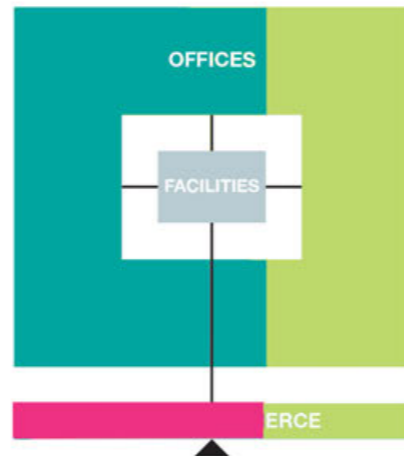
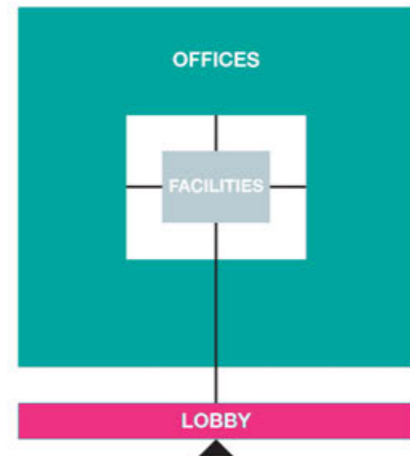
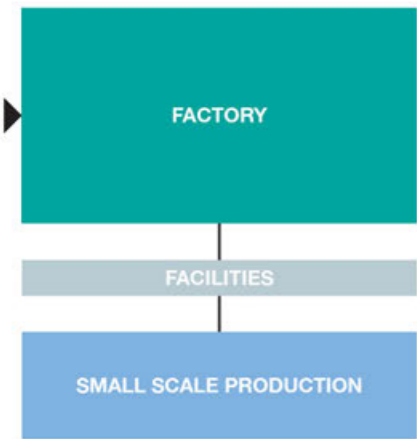
Different groups of people will be gathered here, collaborating and learning between each other.

Zeeburg
[Re]Start-up Hub

TRENDS

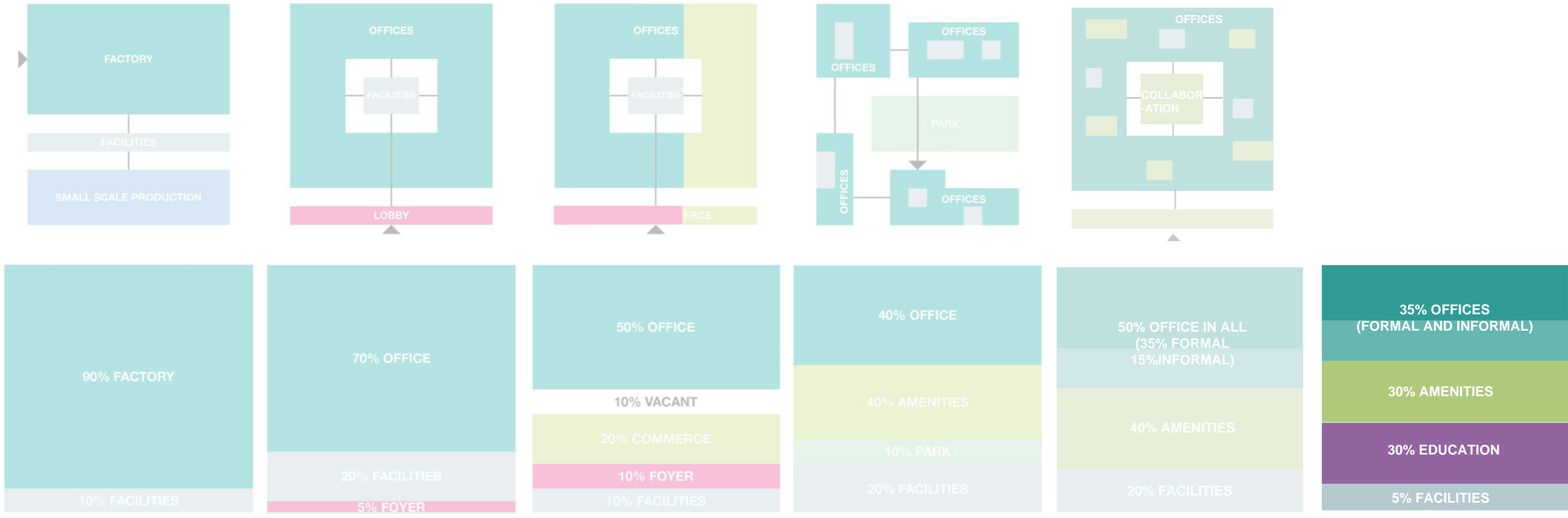
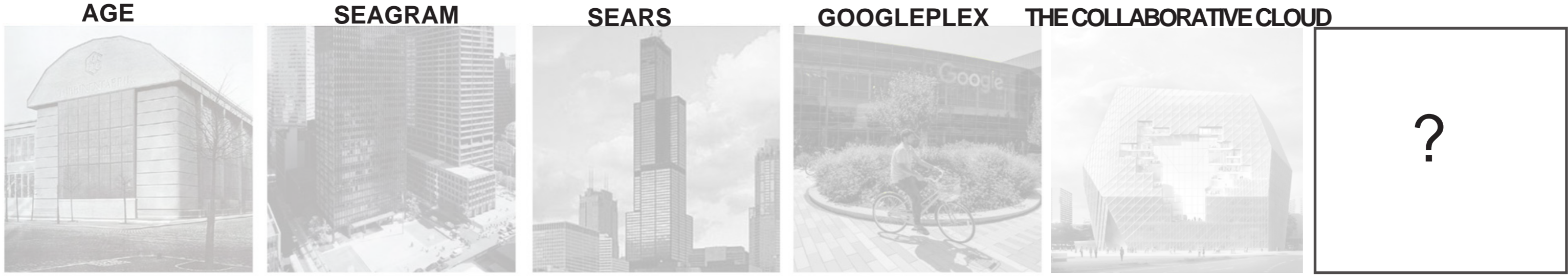
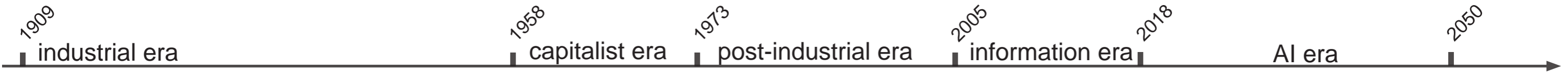
OFFICE TYPOLOGY

PROGRAM RELATIONS & RATIO



OFFICE TYPOLOGY

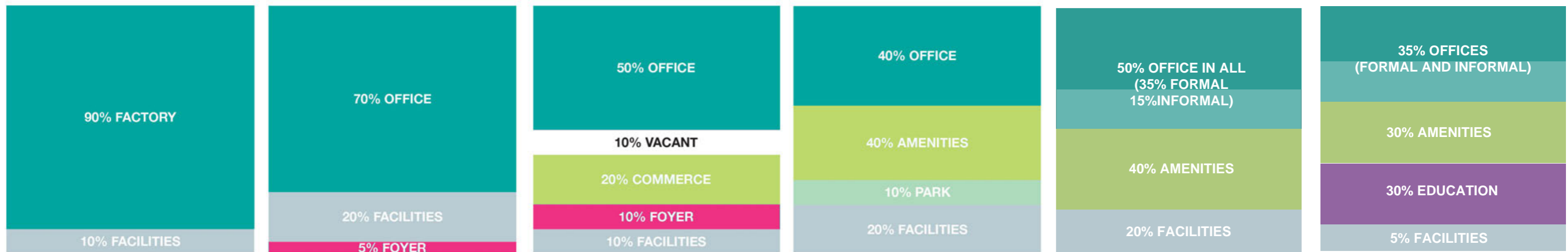
PROGRAM RELATIONS & RATIO



PROGRAM BAR



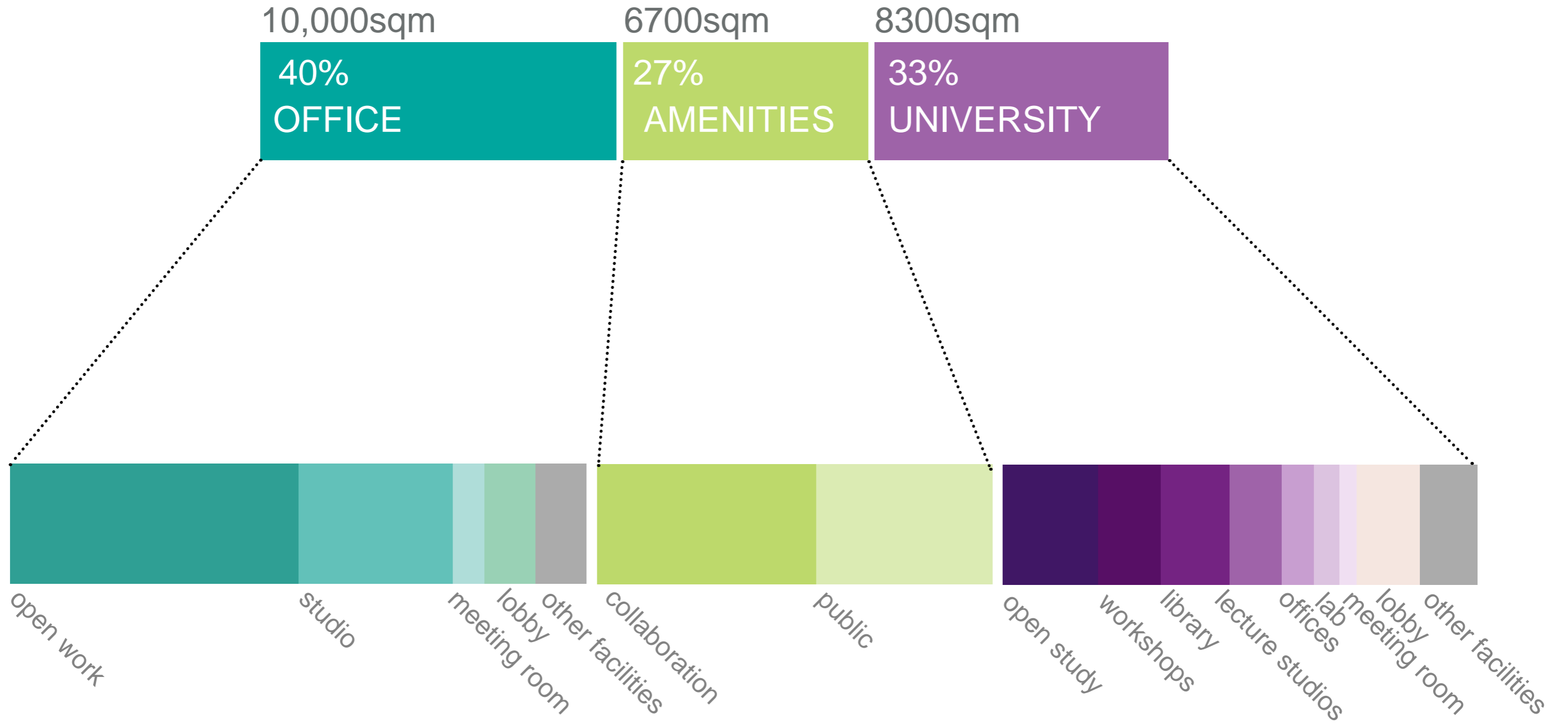
CONCLUSIONS



TRENDS

- Office building is becoming **hybrid**.
- People need **less area** for working. Due to the portable facilities.
- Office focus more on **mental efficiency**. People are more willing to work in the **informal offices**. The **amenities** and **collaboration** will be encouraged.
- **Educational space** will be necessary to be added into office building, with the coming of lifelong-learning age.

PROGRAM BAR





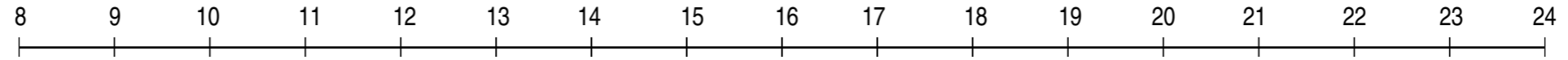
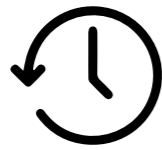
How will people spend **A DAY**
there, in the Building?

FORMAL WORKING ← Switching → INFORMAL WORKING



A DAY

- formal working/ leaning
- Informal working/ learning
- recreations/ work-out



RESTART-UPs

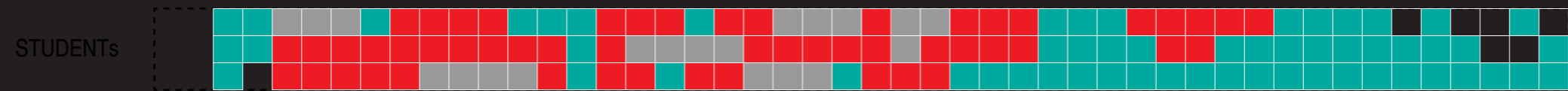
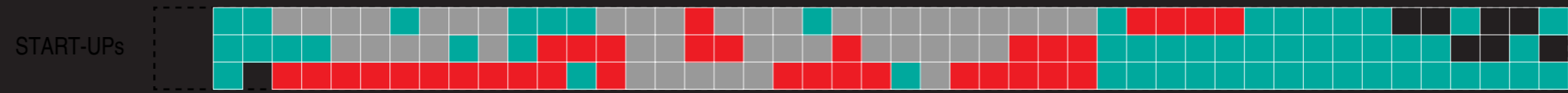
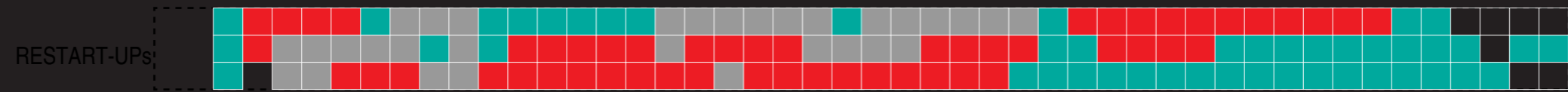
START-UPs

STUDENTs

Mixed Activities



8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



CITIZEN

Needs of Accessibility

- Lecture rooms
- Recreation
Social space
- Library
Gallery
- Auditorium
- Co-working space
Clubs
Event Zone
Urban Plaza
Urban Axes



- Service facilities
- Campus offices
- Start-up Studios
Offices
- Meeting rooms
- Bike garage
Store/retail
- Workshops
- Open Desk
Collaboration spaces
Cafe/ Meeting points

Mixed activities lead to Mixed Circulations

Lecture rooms

Recreation
Social space

Library
Gallery

Auditorium

Co-working space

Clubs
Event Zone
Urban Plaza
Urban Axes

Service facilities

Campus offices

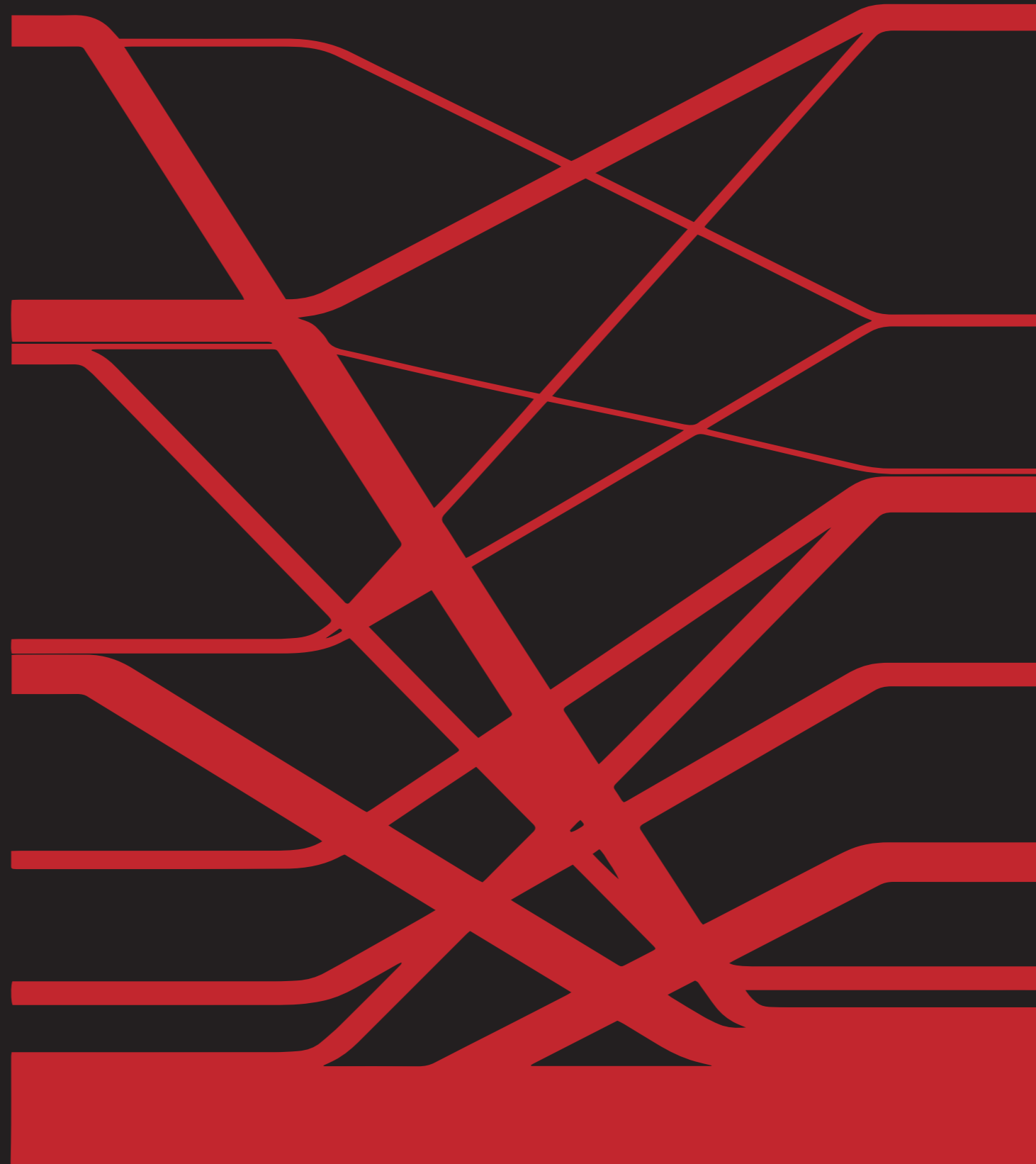
Start-up Studios
Offices

Meeting rooms

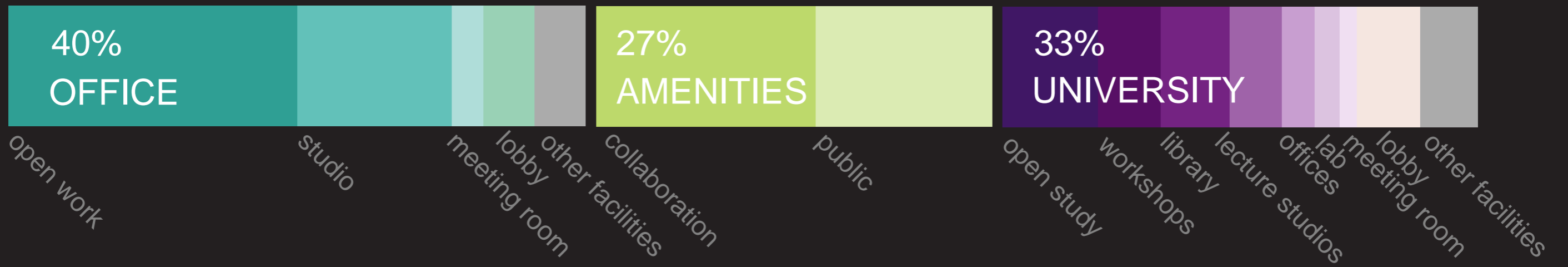
Bike garage
Store/retail

Workshops

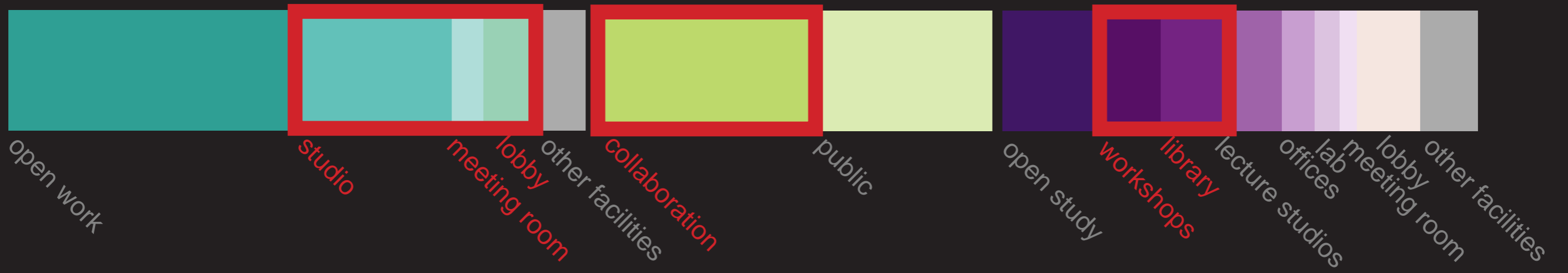
Open Desk
Collaboration spaces
Cafe/ Meeting points



Mixed Circulations lead to Mixed Programs



Mixed Circulations lead to Mixed Programs



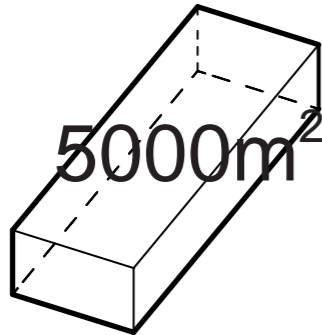
Mix and Combine for better activity-switching

Rearrangement base on accessibilities

Part 1

COLLABORATION CORE

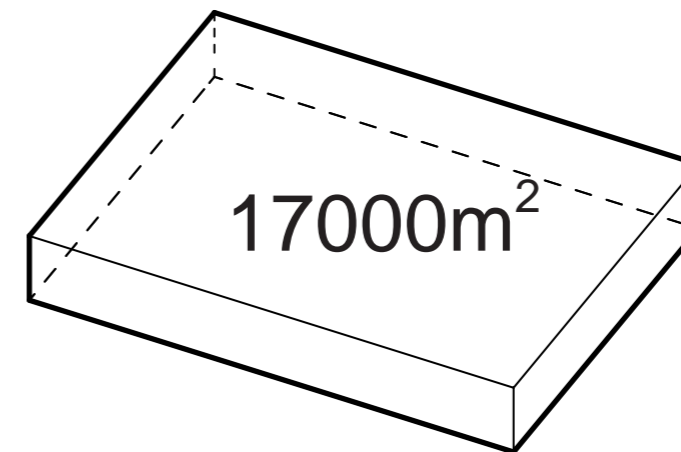
Library+Collaboration room+meeting room+Workshop+
Gallery+Cafe+Lunch bar



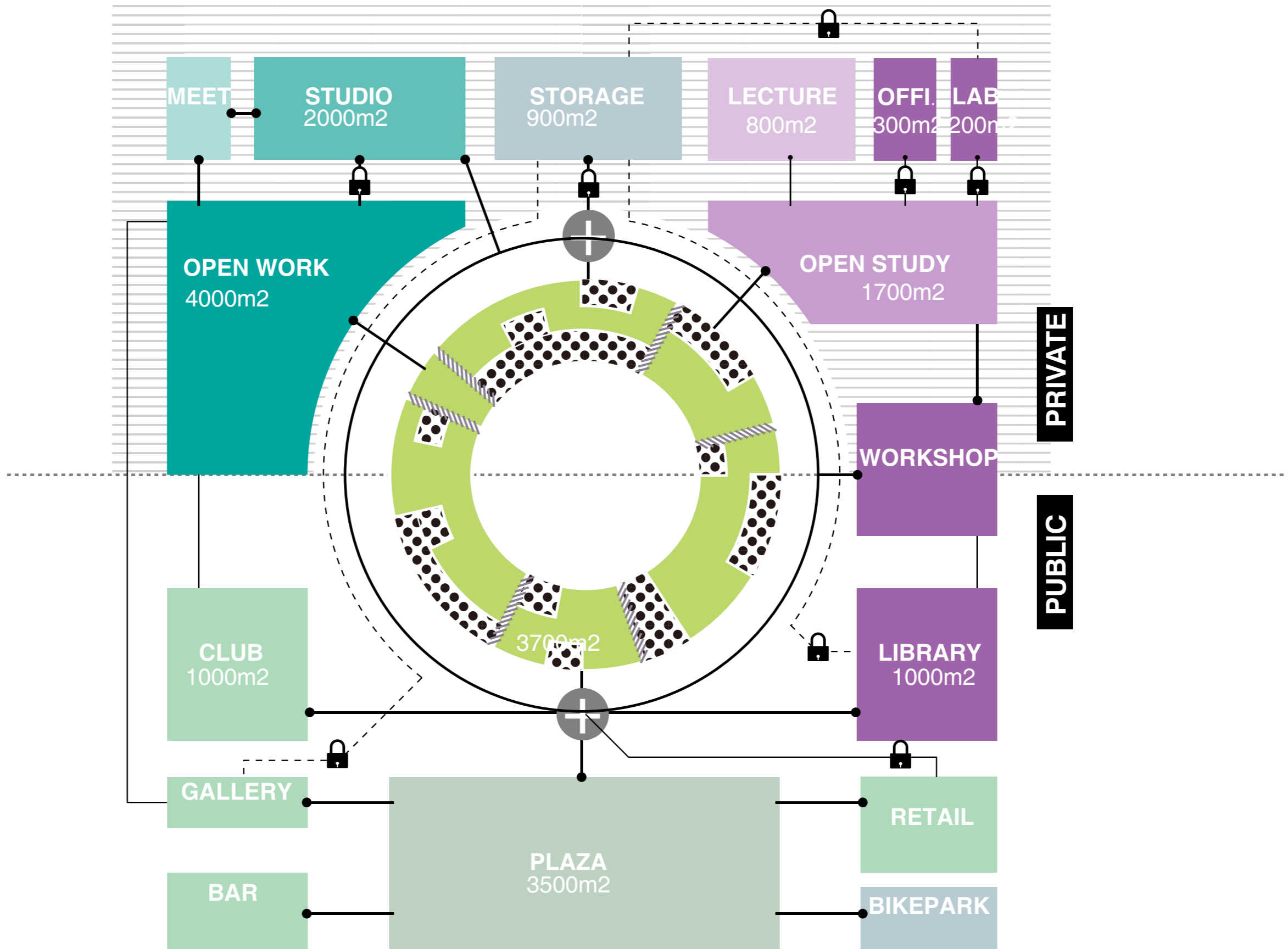
Part 2

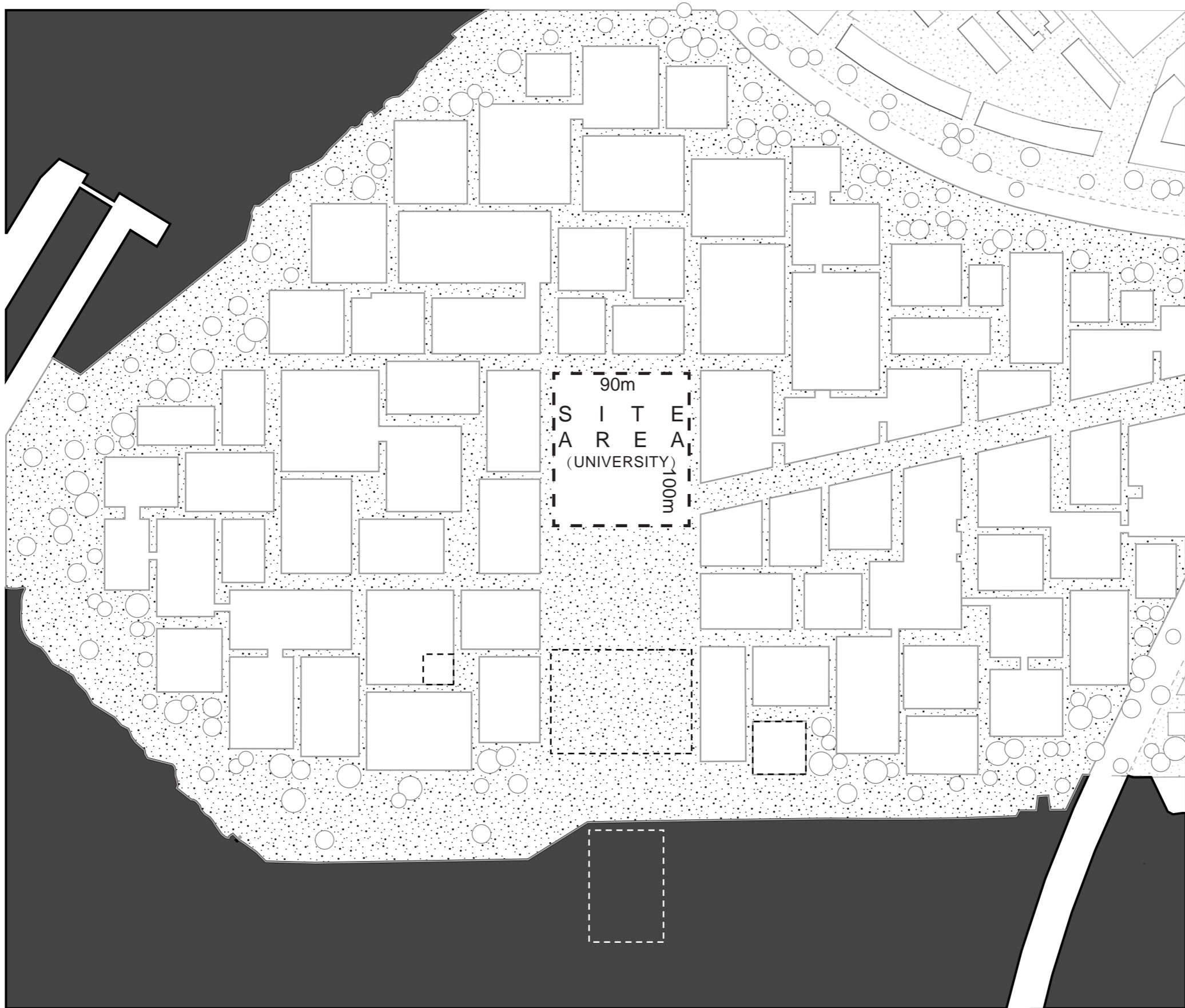
OTHERS

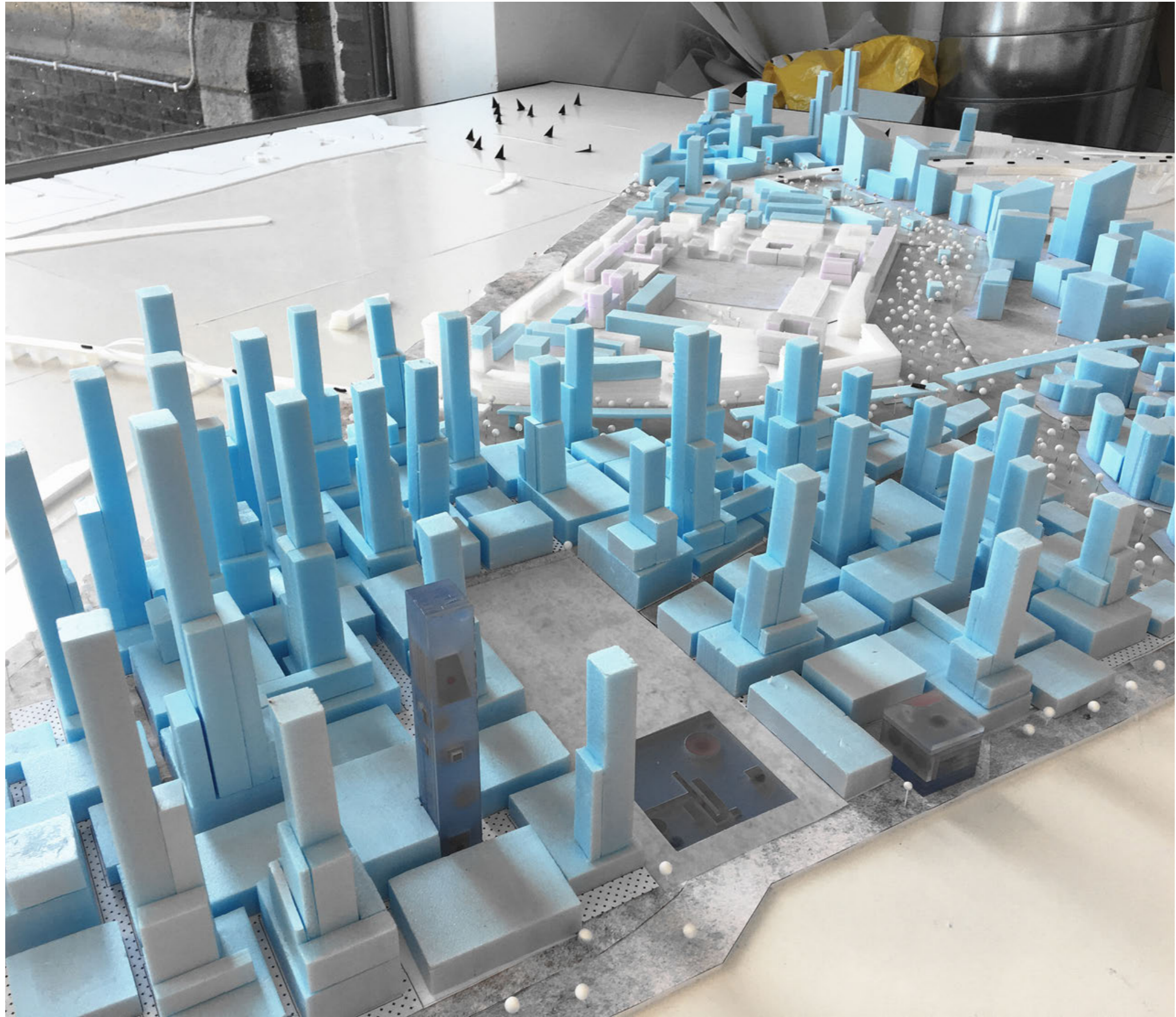
University+Work studios+Open desks+Retails

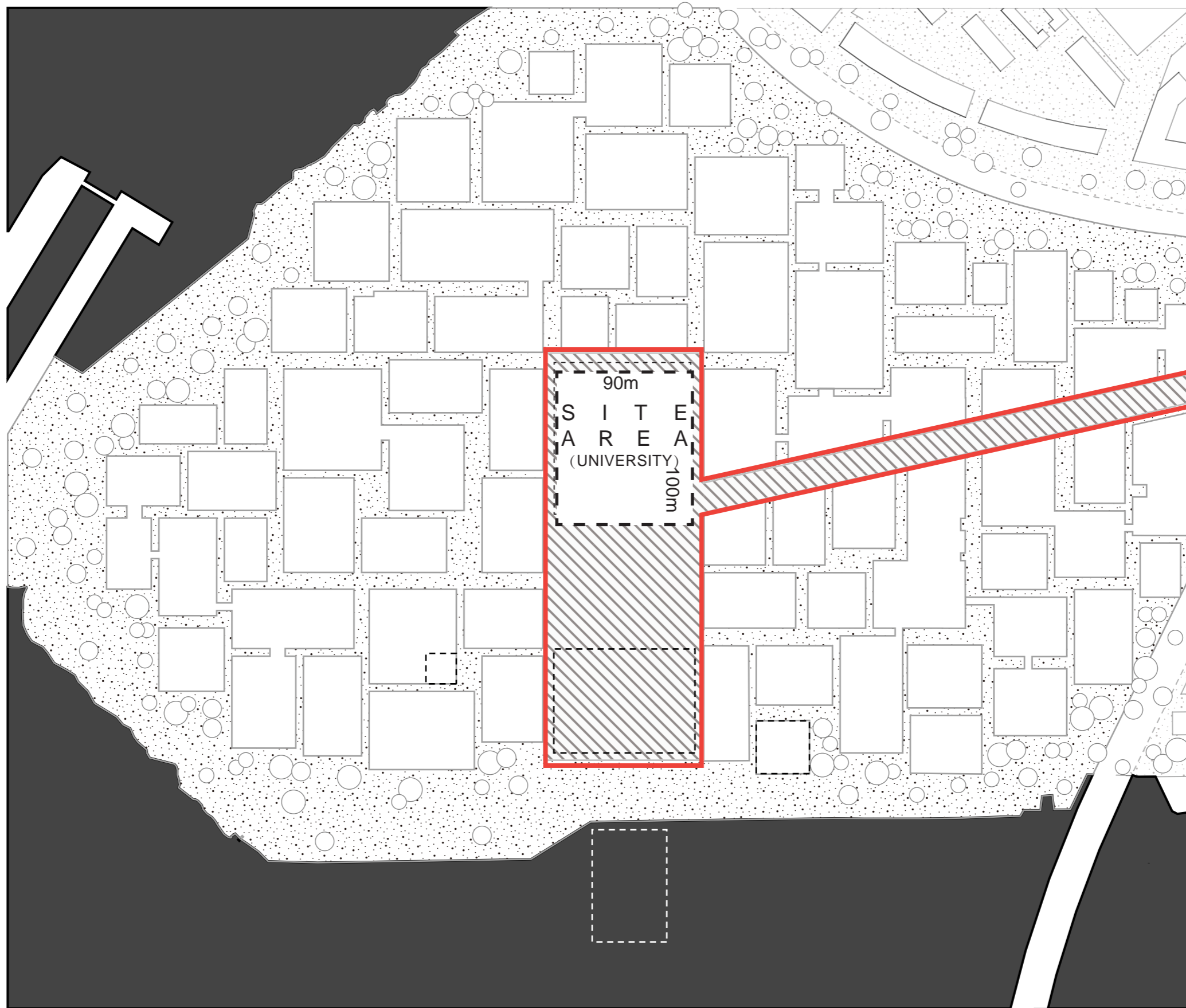


PROGRAMATIC RELATIONS

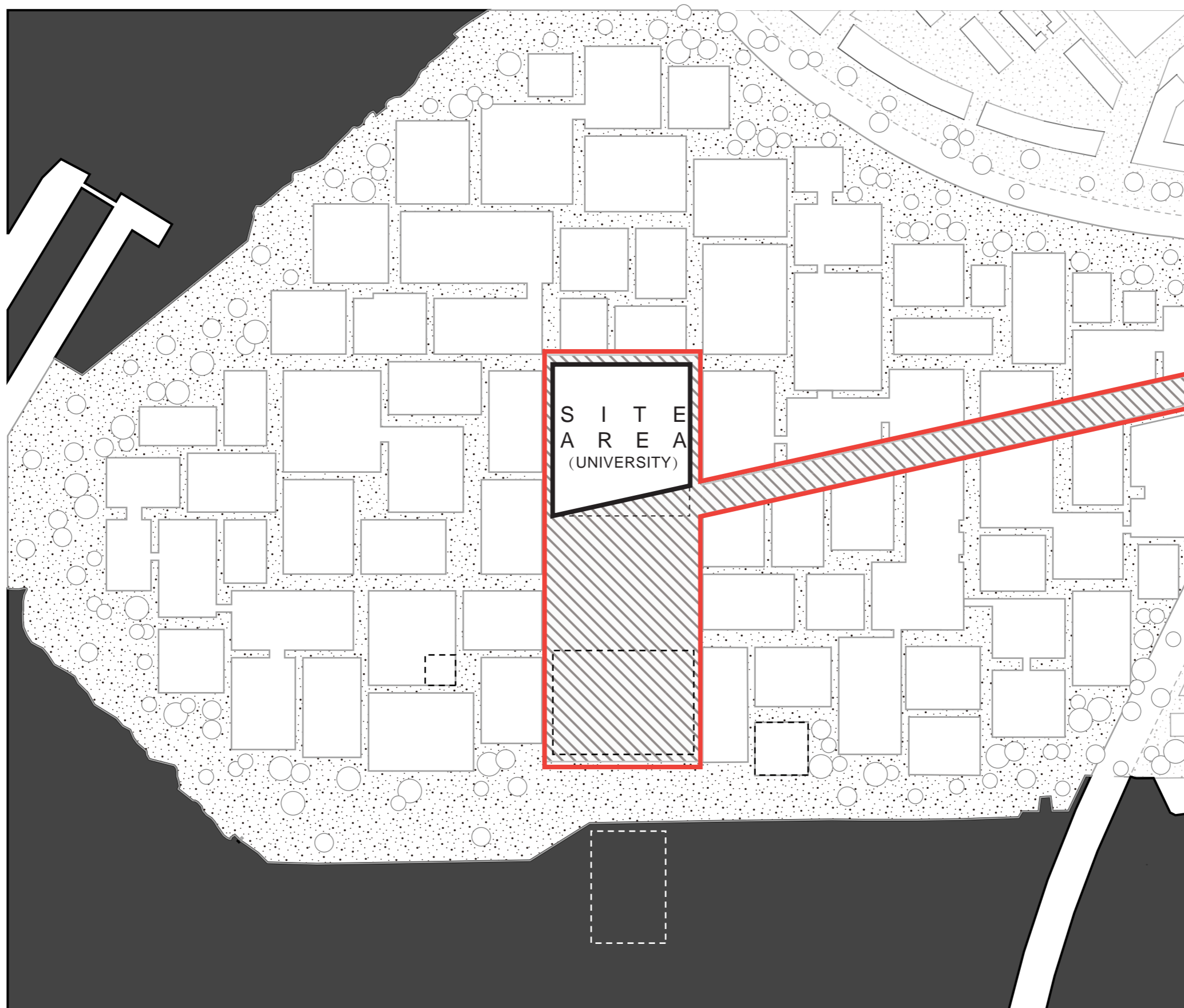




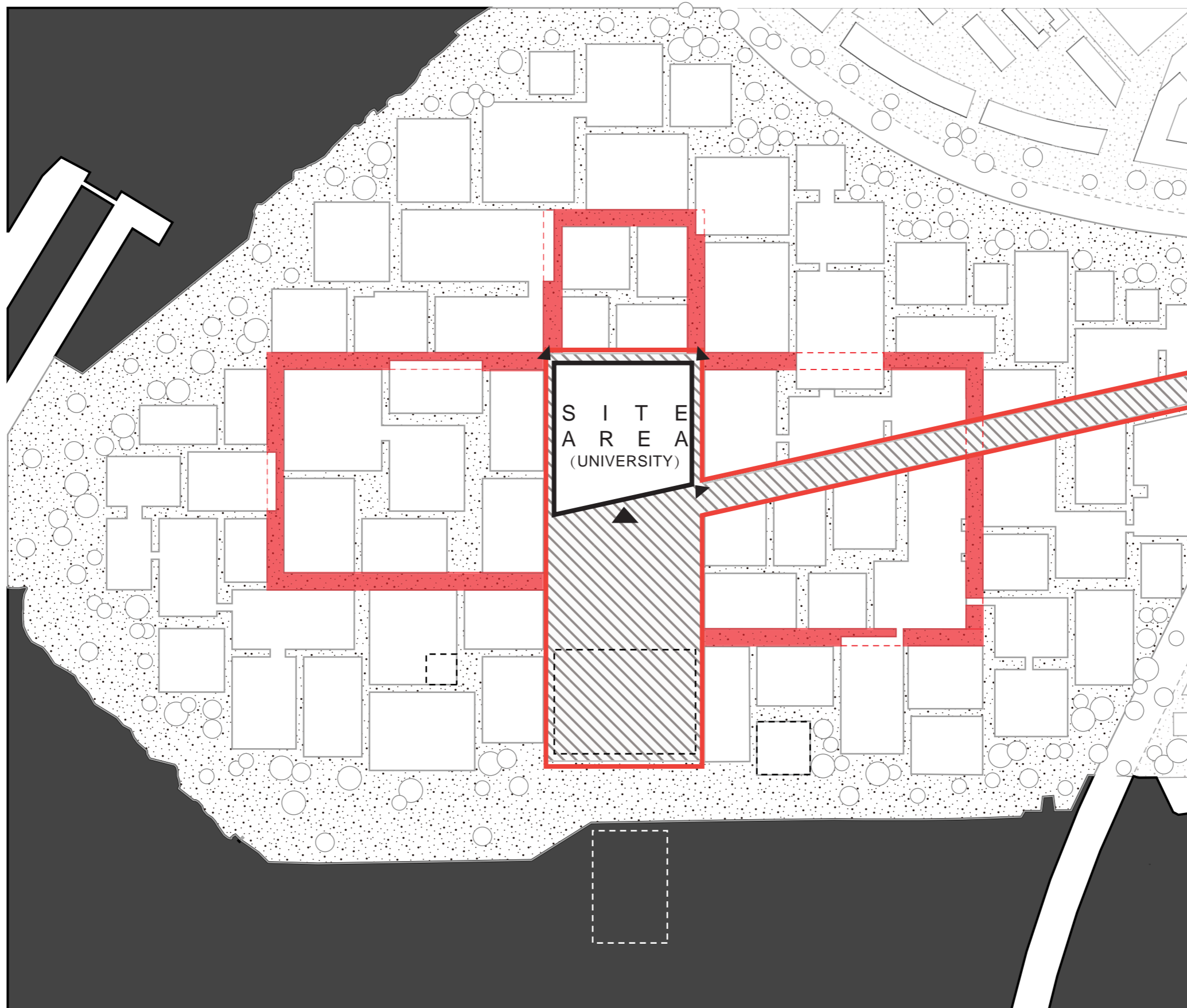




New axis ends at the urban square, bring people from transfer hub.

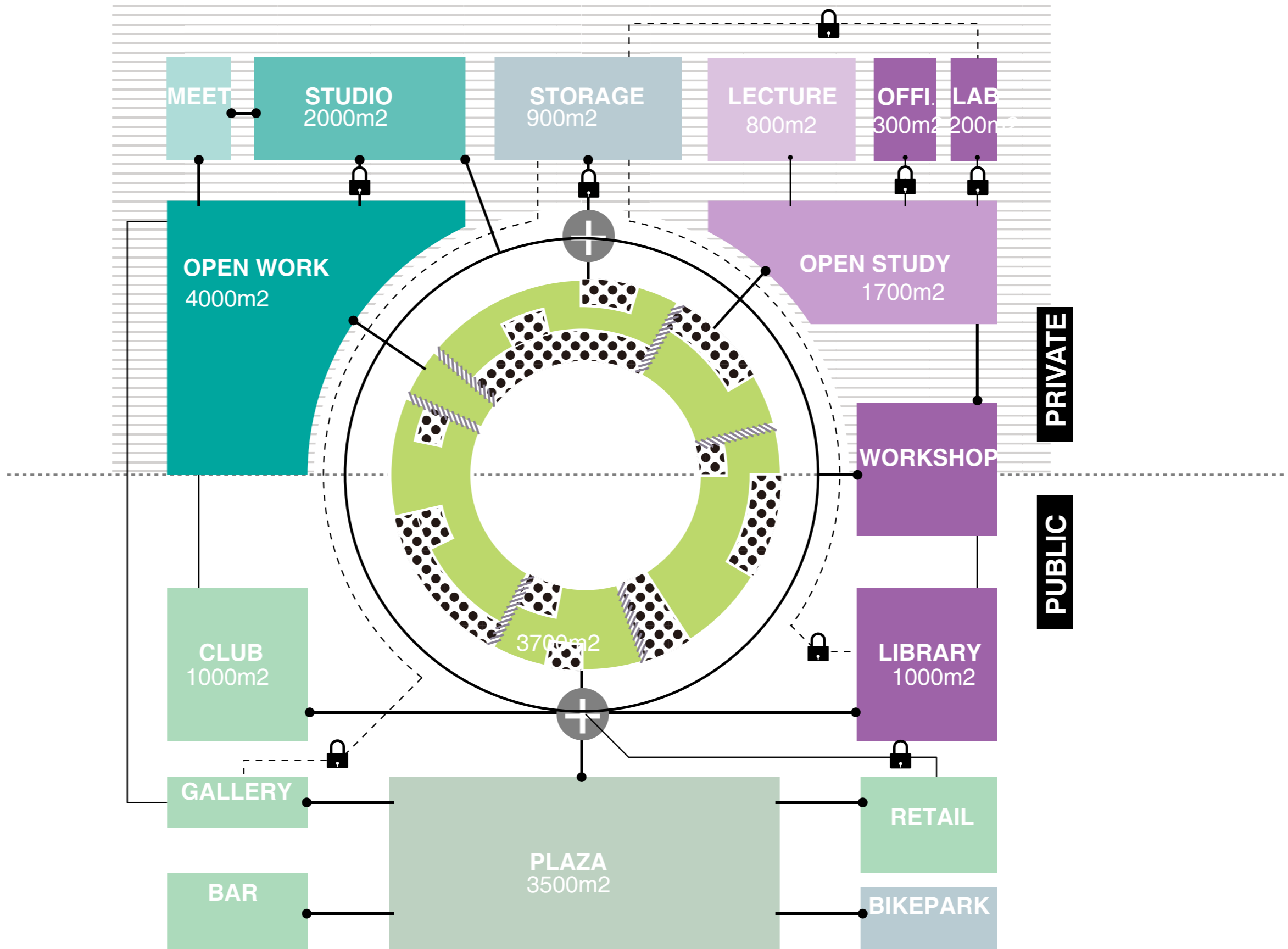


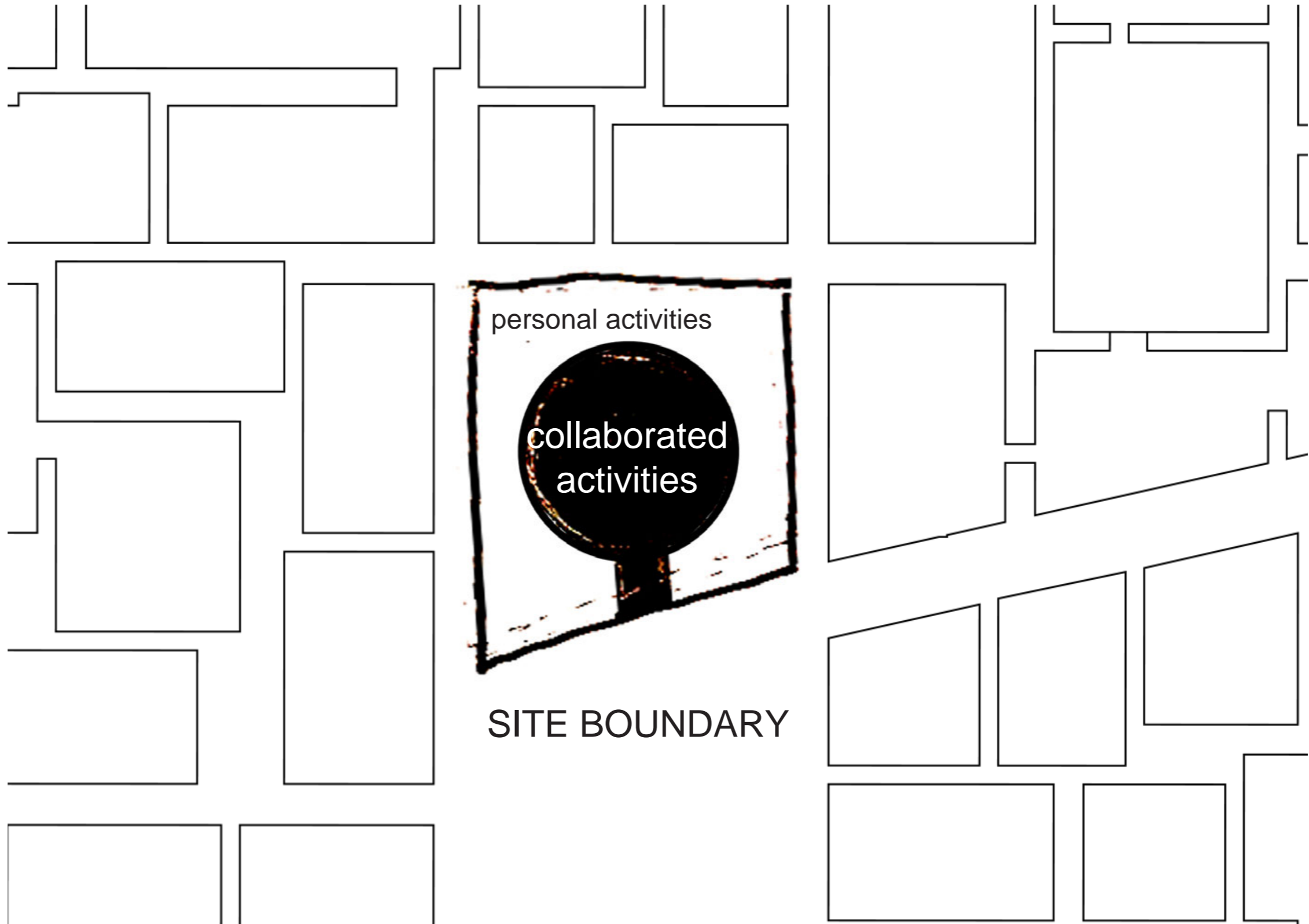
The main facade as an extension of axes.

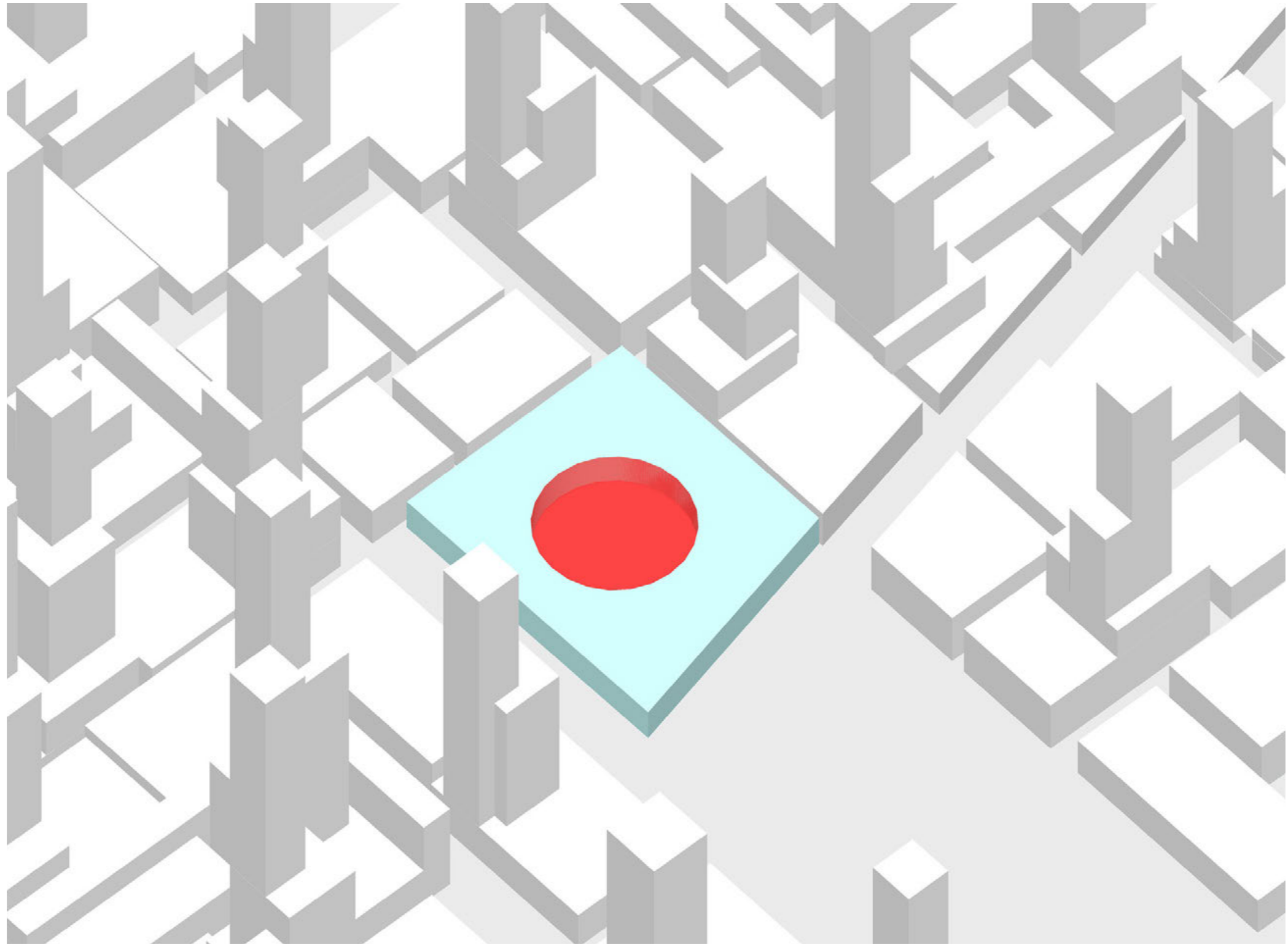


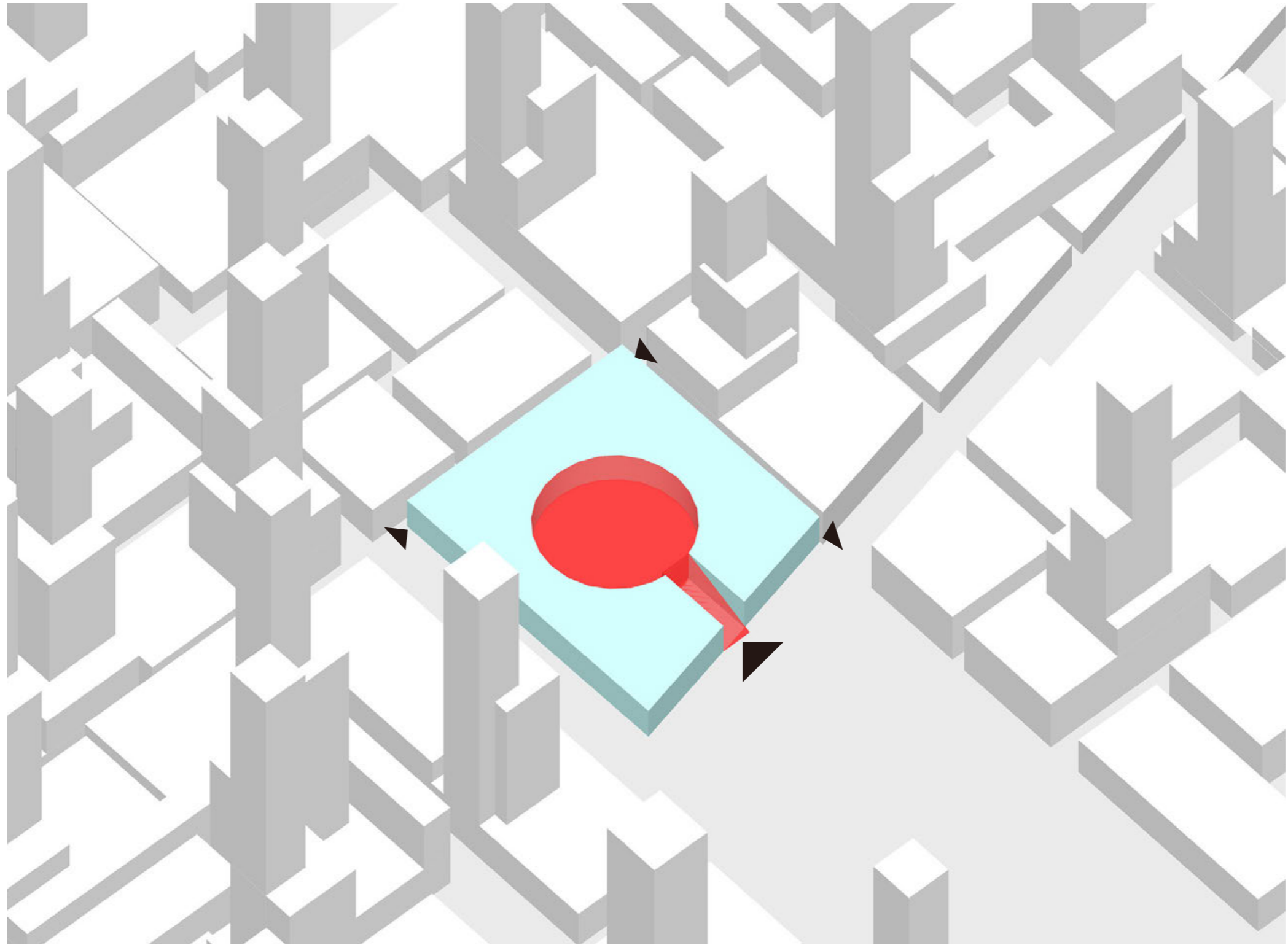
An urban loop service for the main traffic connections in the area, providing a fast way for people and electrical cars.

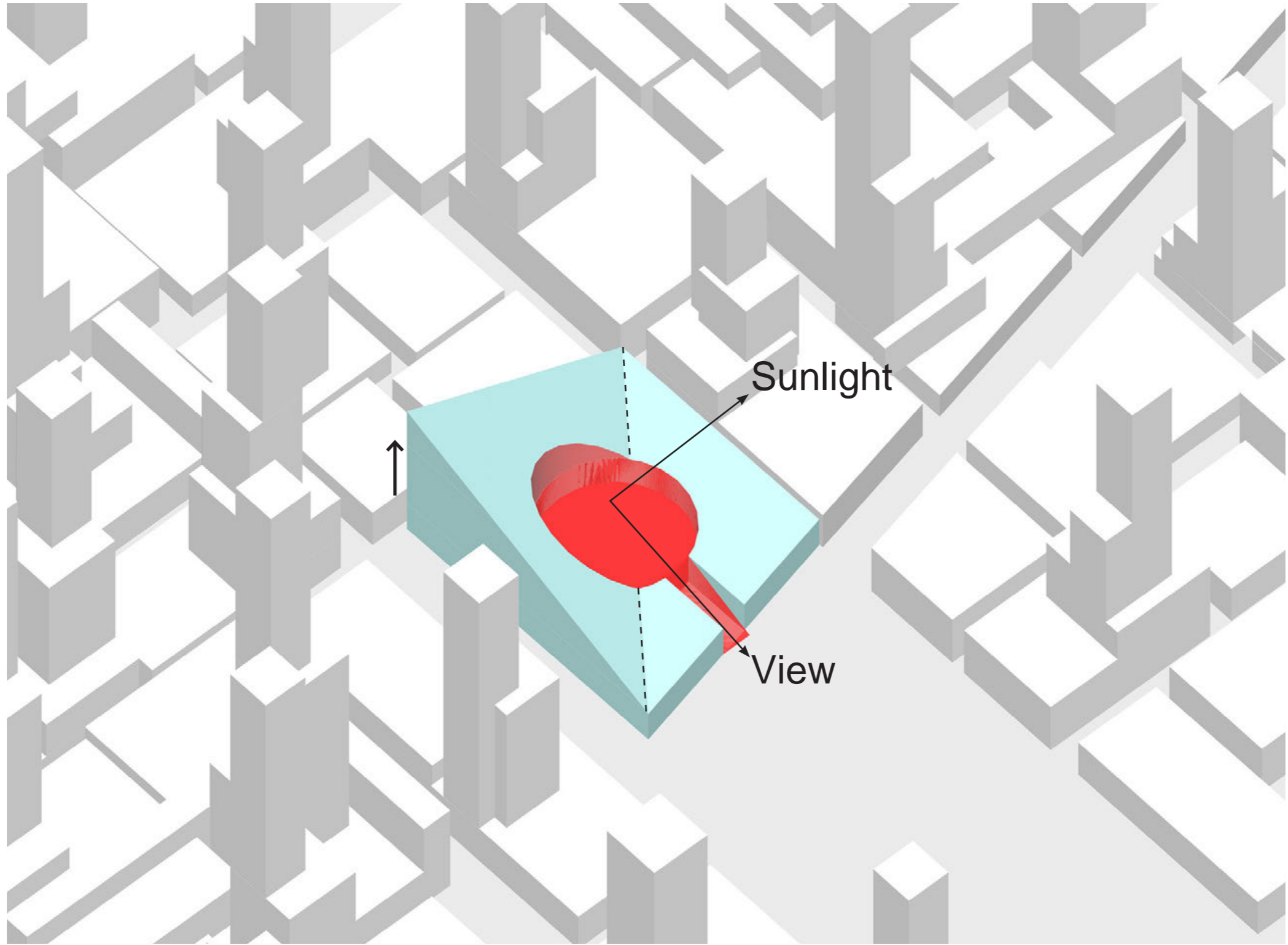
PROGRAMATIC RELATIONS

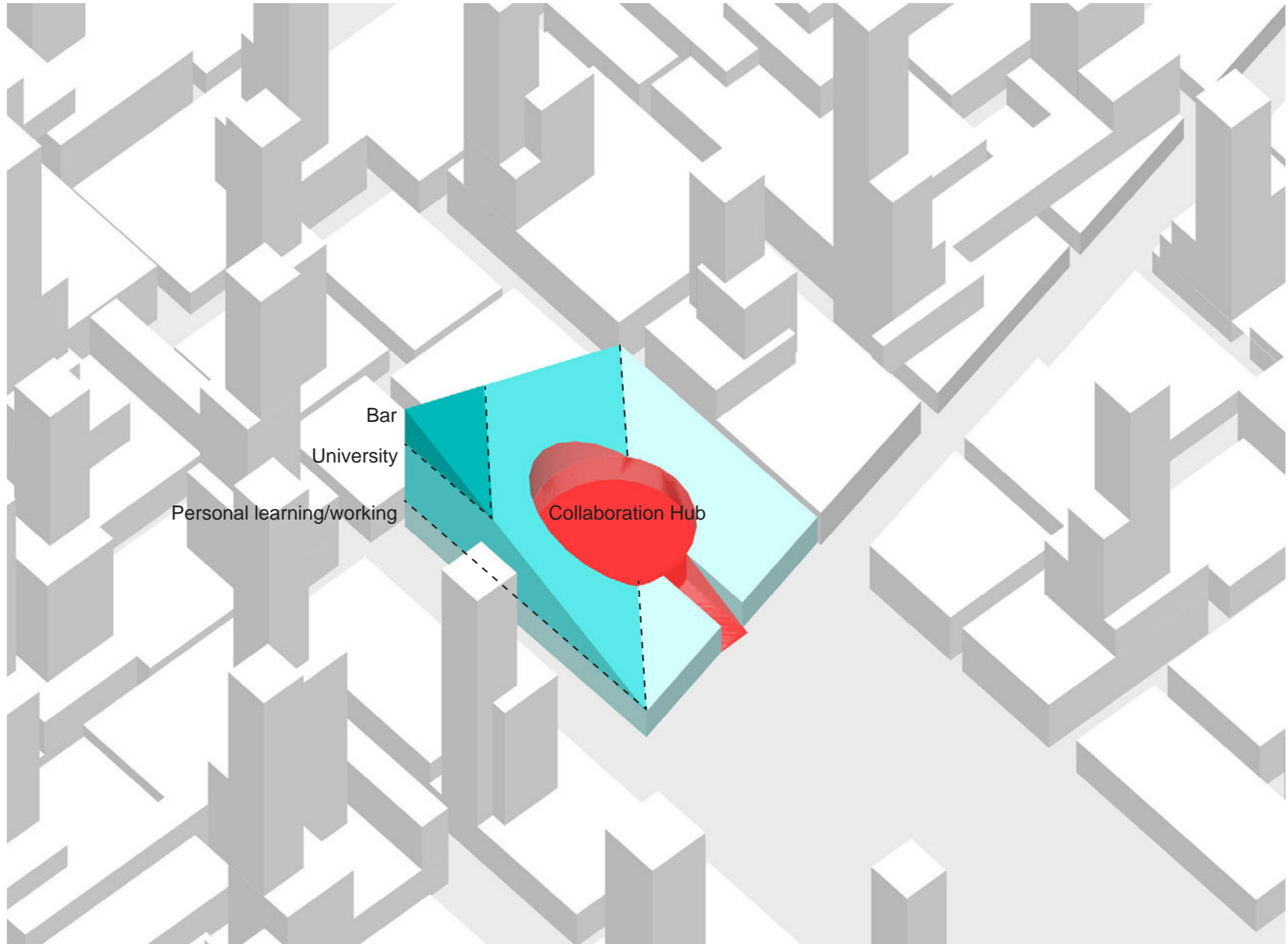












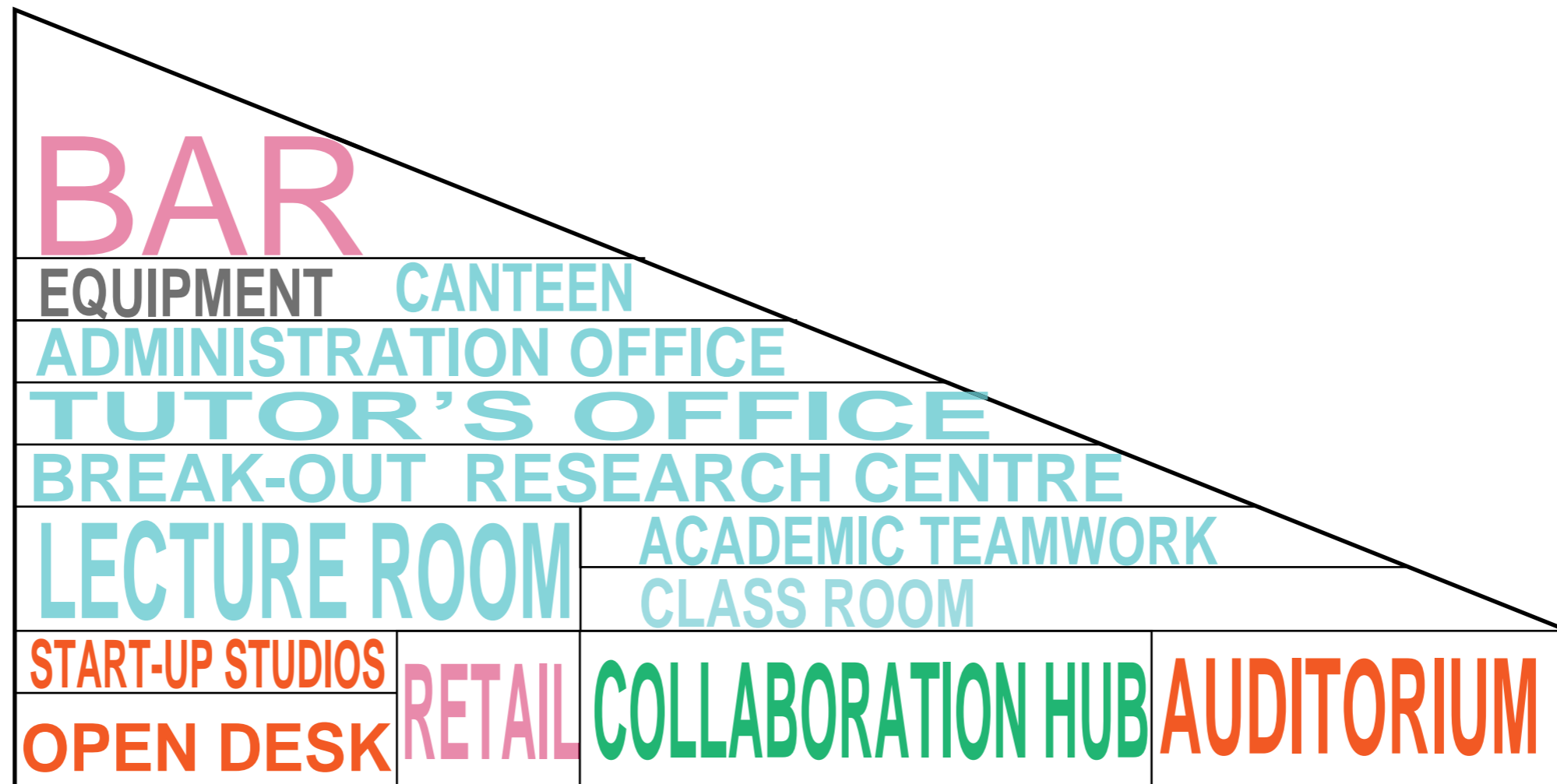
Bar

University

Personal learning/working

Collaboration Hub

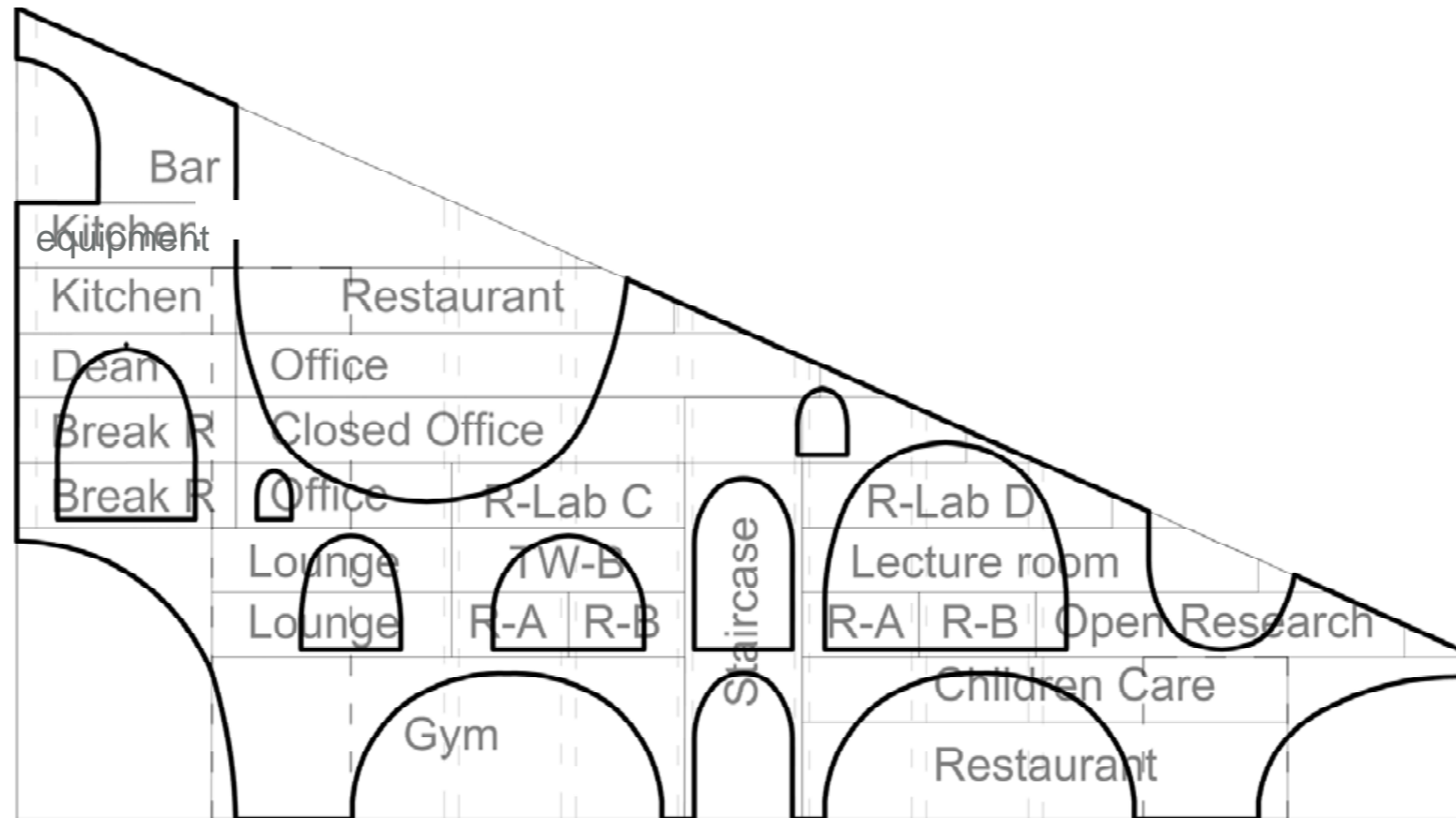
Function Layout



- open desks 5500m²
- startup studios 2000m²
- meeting rooms 600m²
- collaboration 1000m²
- work-out area 1000m²
- social corner 1000m²
- workshops 1000m²
- club 1000m²
- library 900m²
- gallery 600m²
- retails 500m²
- other facilities 2900m²

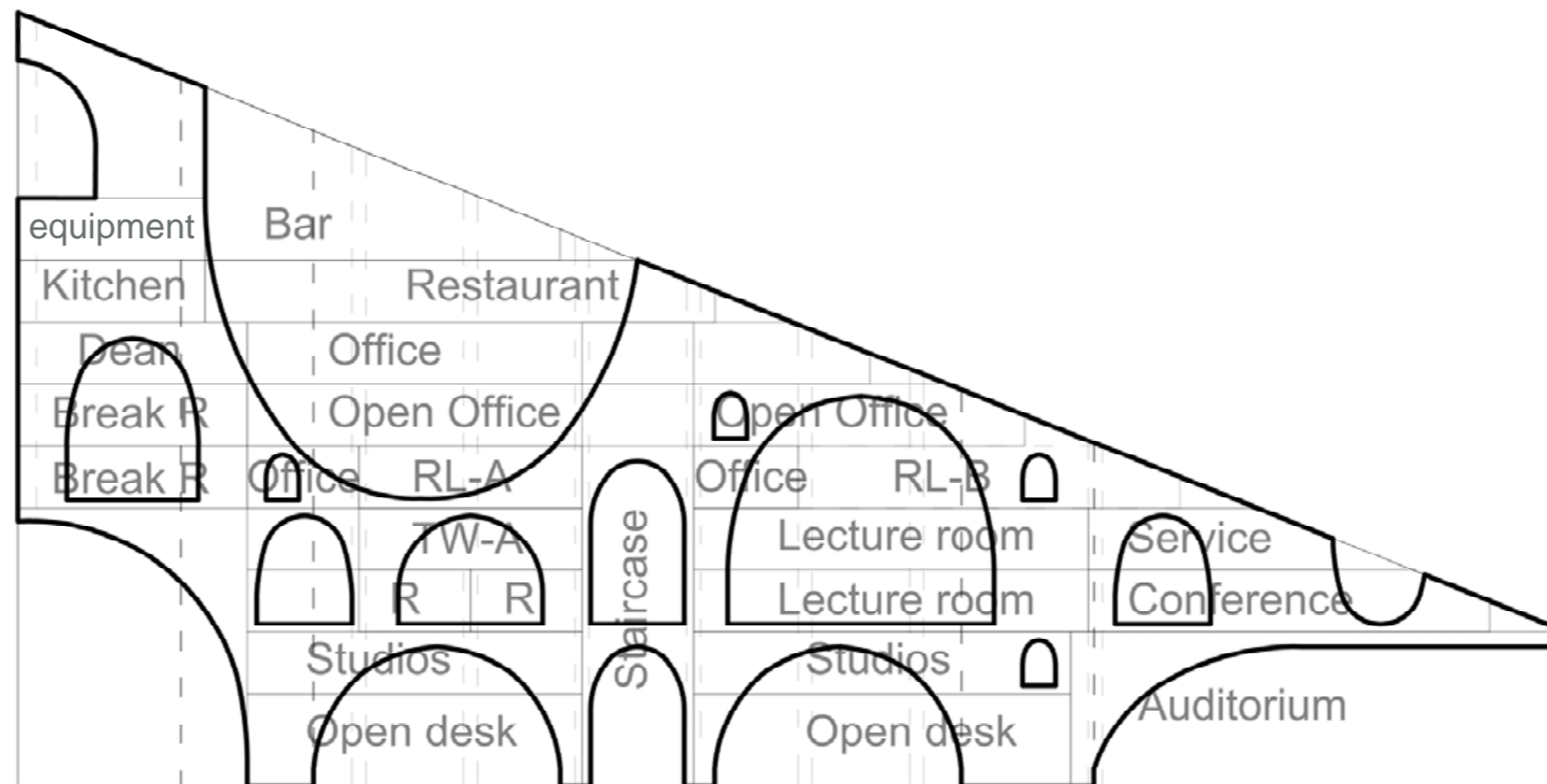
- lecture rooms 800m²
- auditorium 600m²
- stuff offices 200m²
- labs 500m²
- meeting room 200m²
- storage 300m²
- other facilities 1400m²

- University
- (Re)start-up
- Collaboration hub
- Public functions



East Elevation

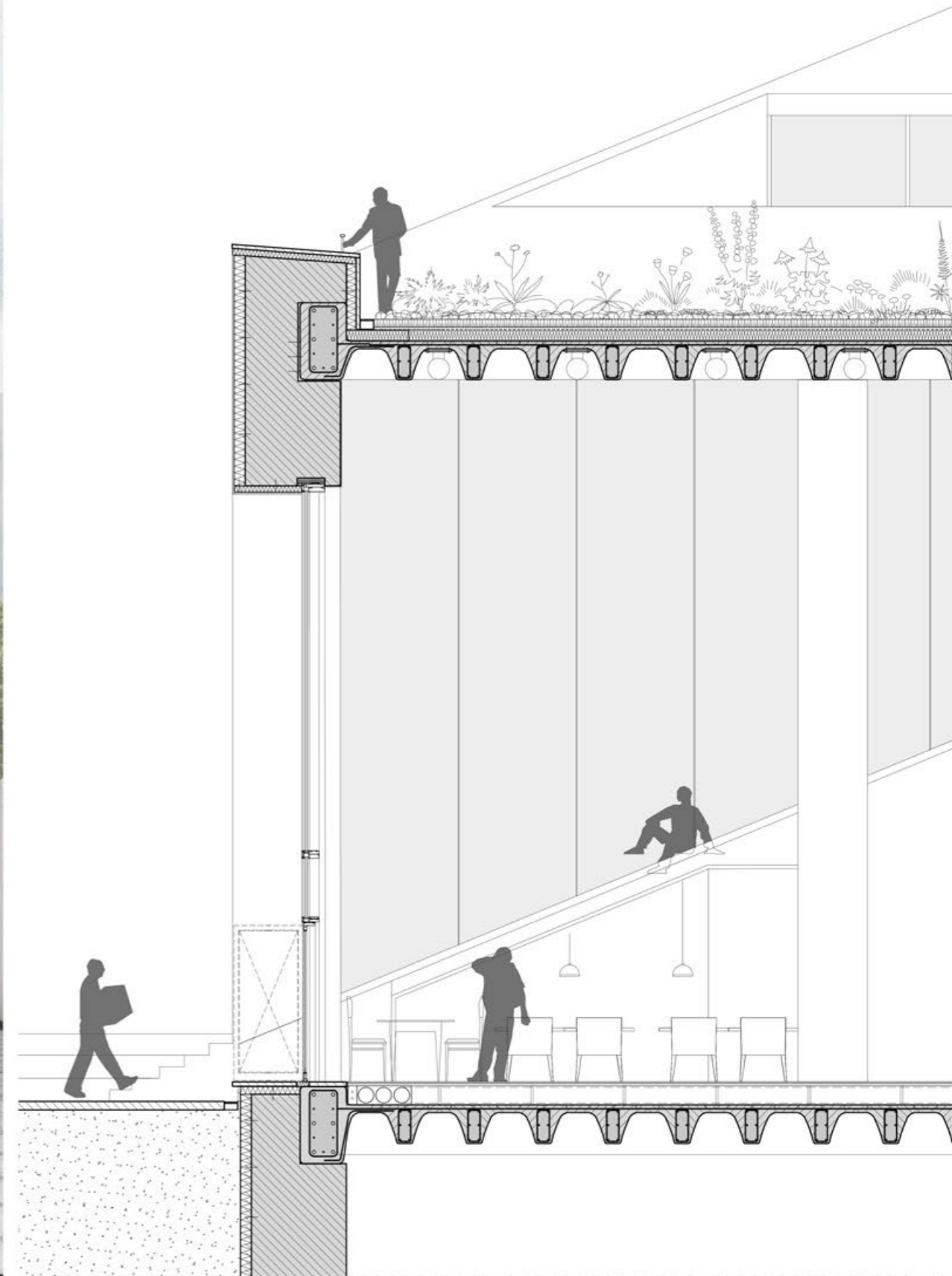
Big windows are made to space need more sunlight.



North Elevation

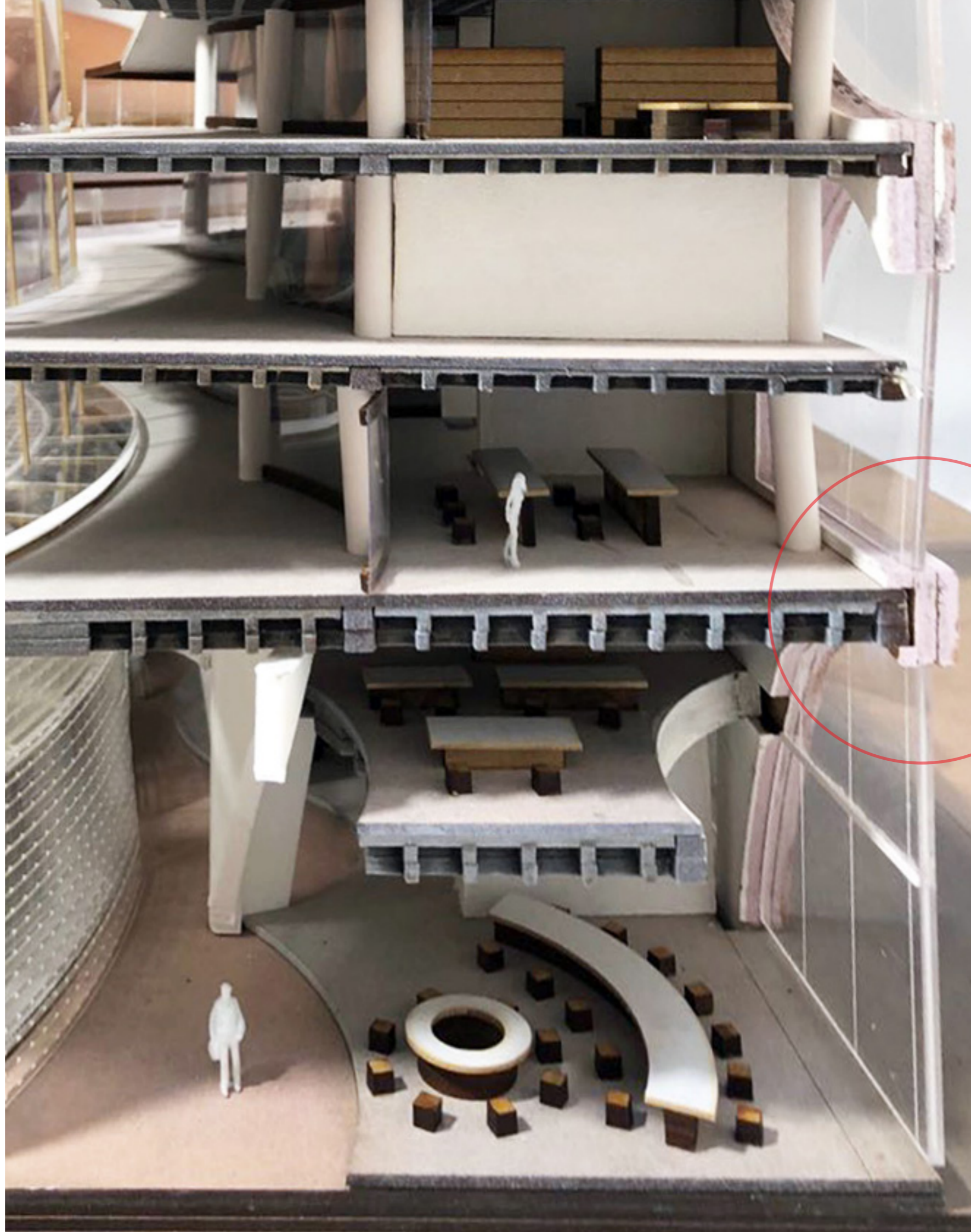


The concrete facade also functions as an important load bearing structure.

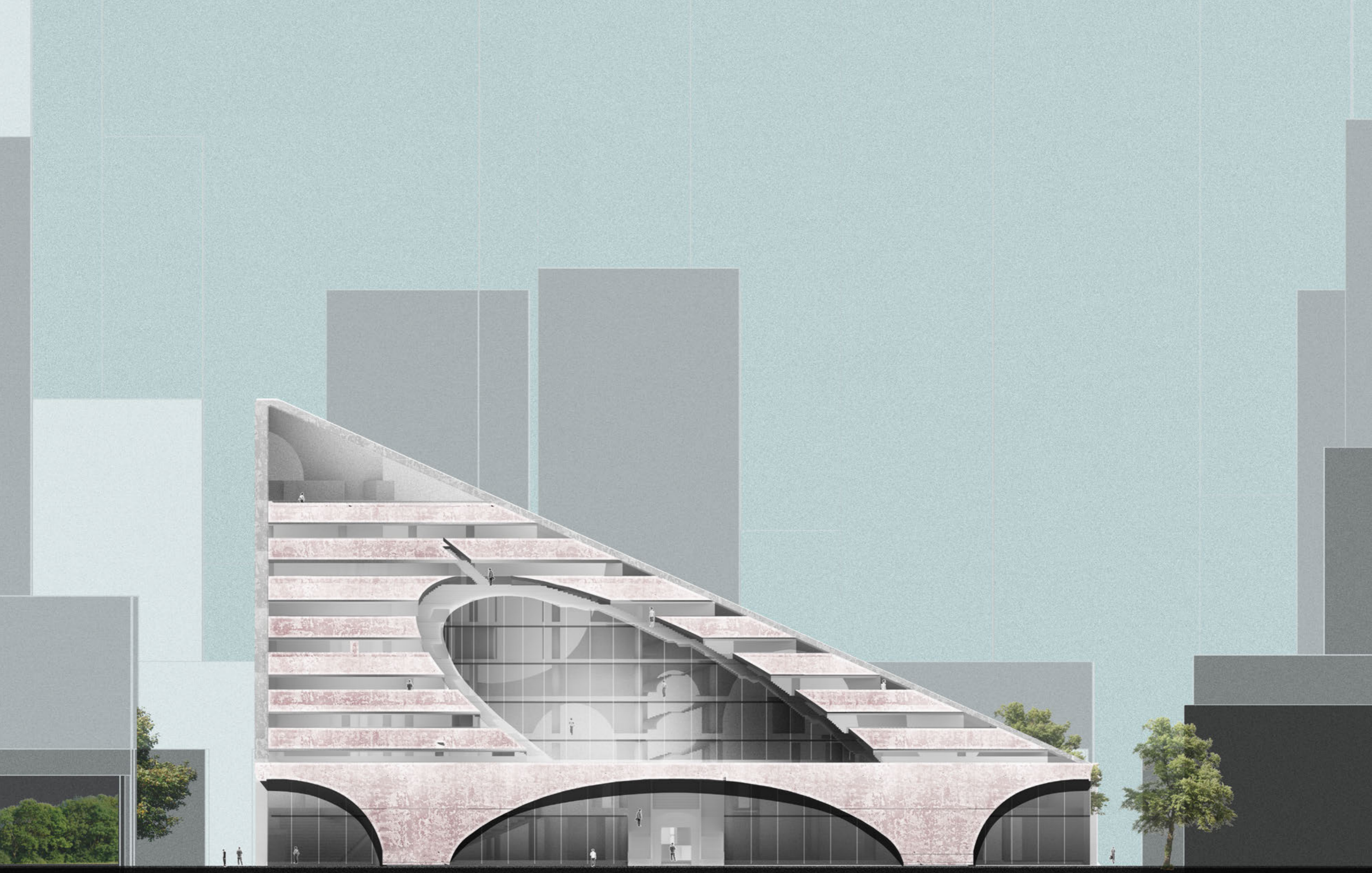


DETAIL FACADE

1:50



It's 1.4 thick, with 600mm groove to carry beams.

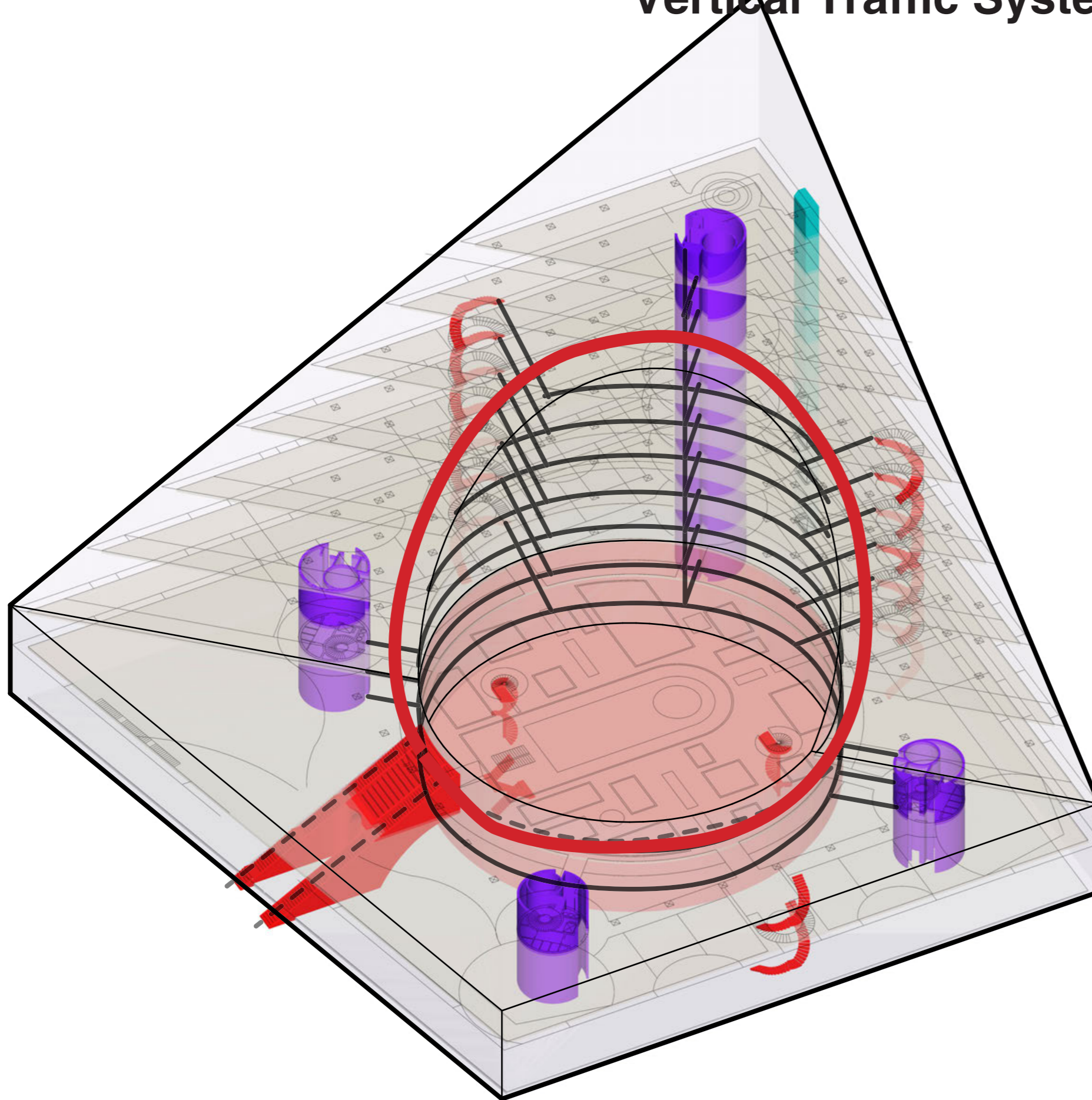


West Elevation
S=1:200




North Elevation
S=1:200

Vertical Traffic System

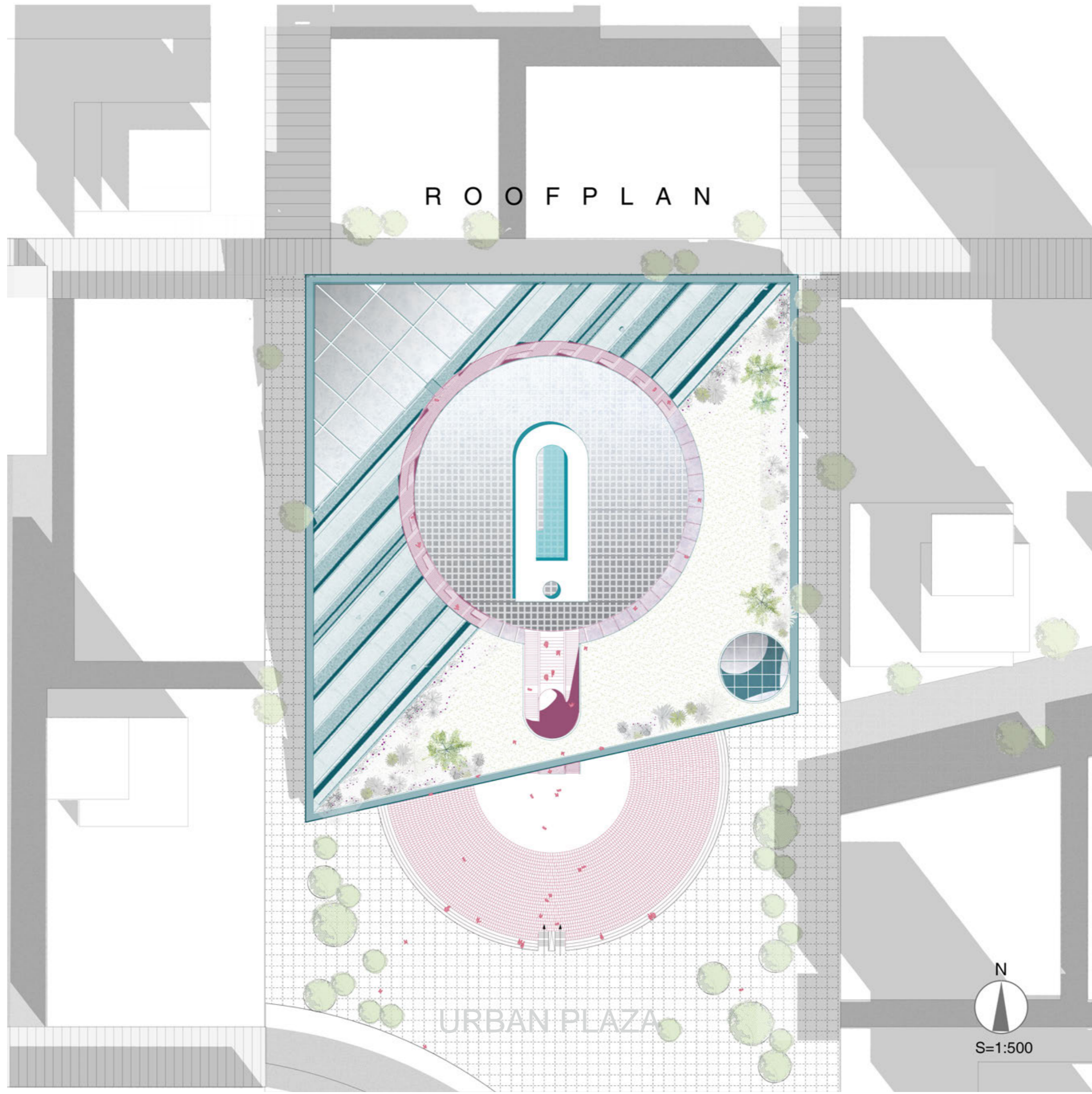


 Elevator & Stairs & Toilets

 Stairs for fire escape
fire escape stairs all connect to the outdoor roof stair.

 Goods Elevator

R O O F P L A N



URBAN PLAZA



S=1:500

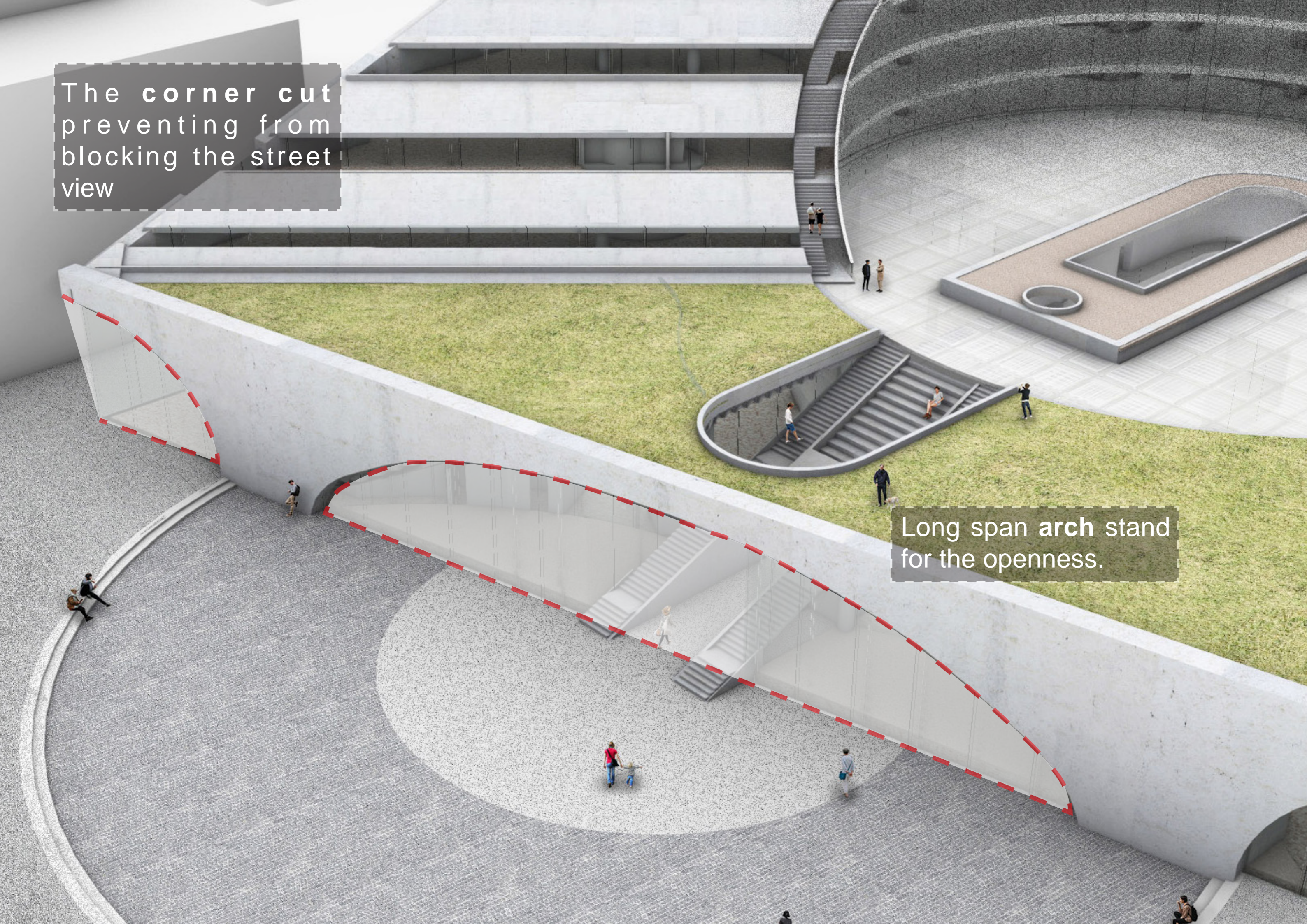
ROLE IN THE CITY

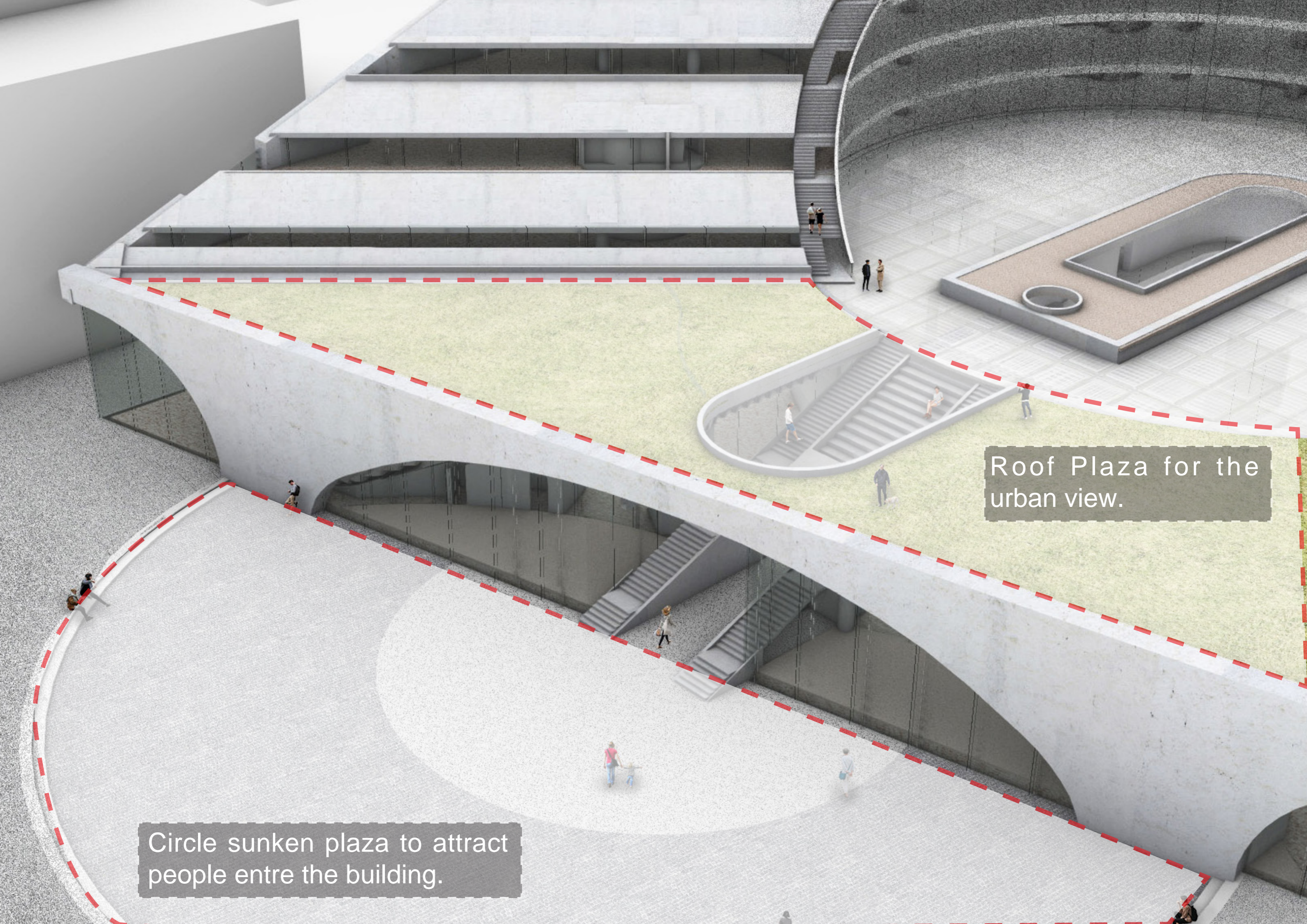


The building its self shows an open attitude to the whole public.

The corner cut preventing from blocking the street view

Long span arch stand for the openness.

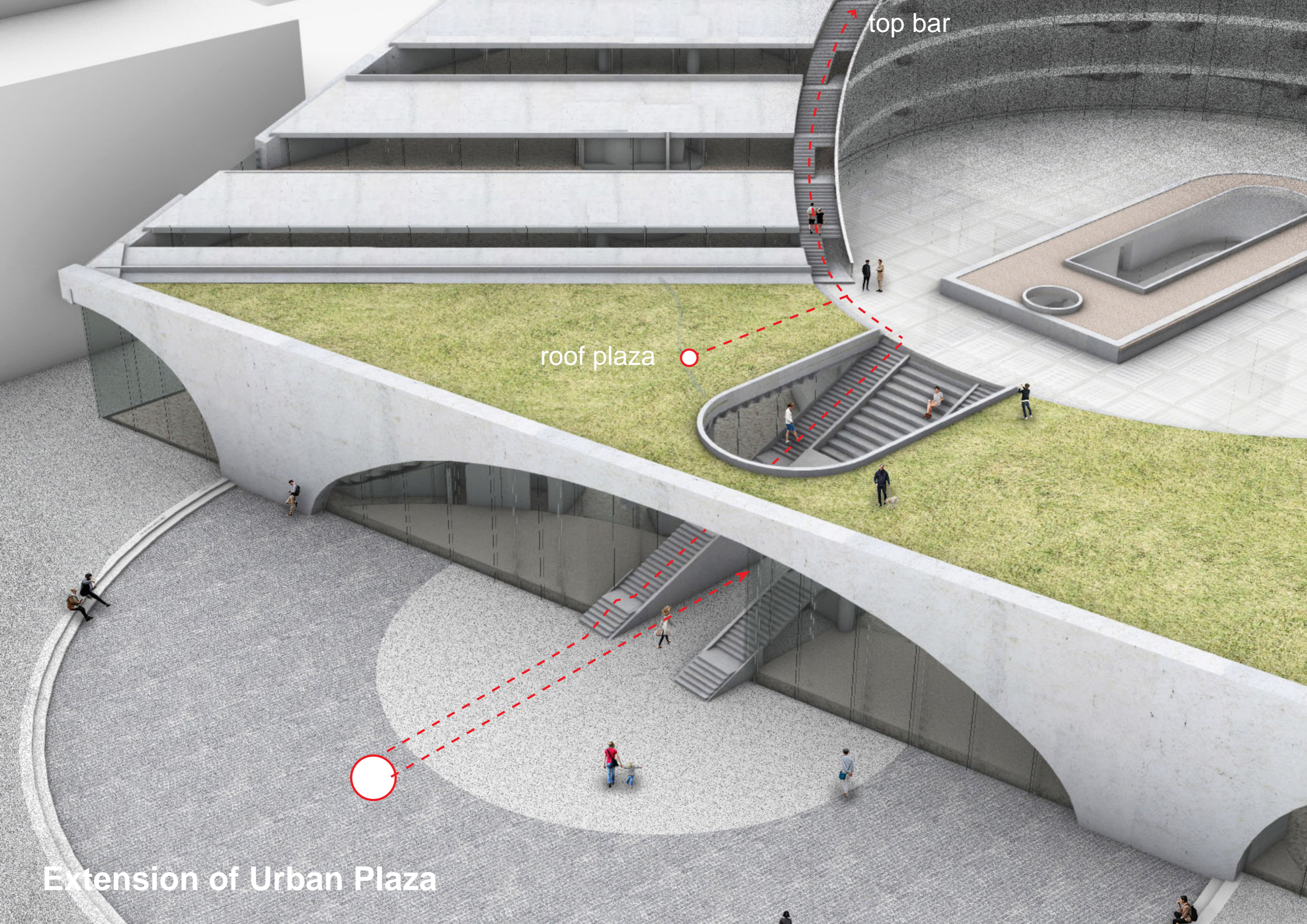




Roof Plaza for the urban view.

Circle sunken plaza to attract people entre the building.





top bar

roof plaza

Extension of Urban Plaza





The middle part of the stairs is 300mm high, can be sit on.



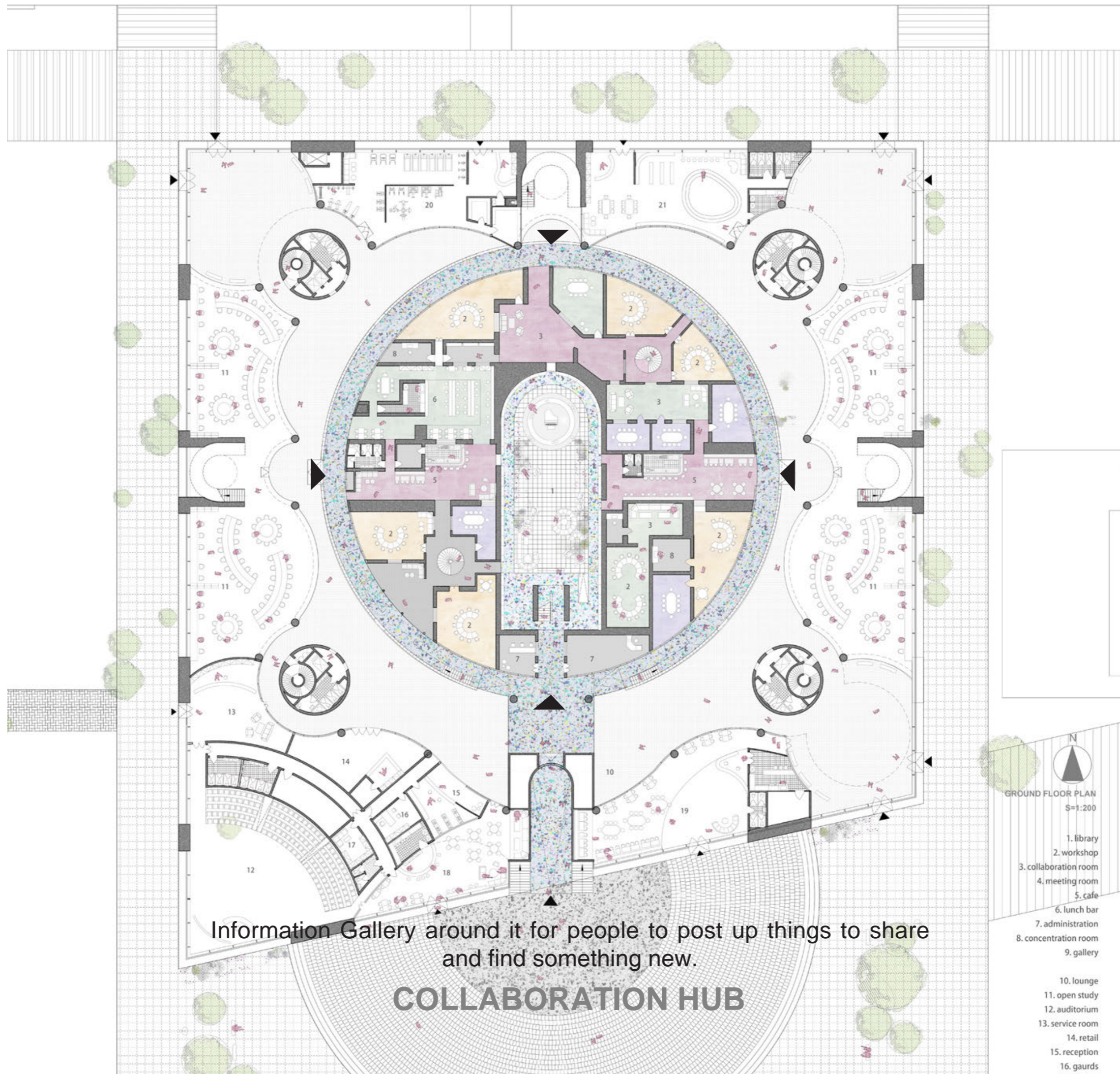
And the two sides is the way to the roof.



Collaboration Hub



Small & colourful space
Involving people to attend different activities.



Information Gallery around it for people to post up things to share and find something new.

COLLABORATION HUB

GROUND FLOOR PLAN
S=1:200

- 1. library
- 2. workshop
- 3. collaboration room
- 4. meeting room
- 5. cafe
- 6. lunch bar
- 7. administration
- 8. concentration room
- 9. gallery

- 10. lounge
- 11. open study
- 12. auditorium
- 13. service room
- 14. retail
- 15. reception
- 16. gaurds

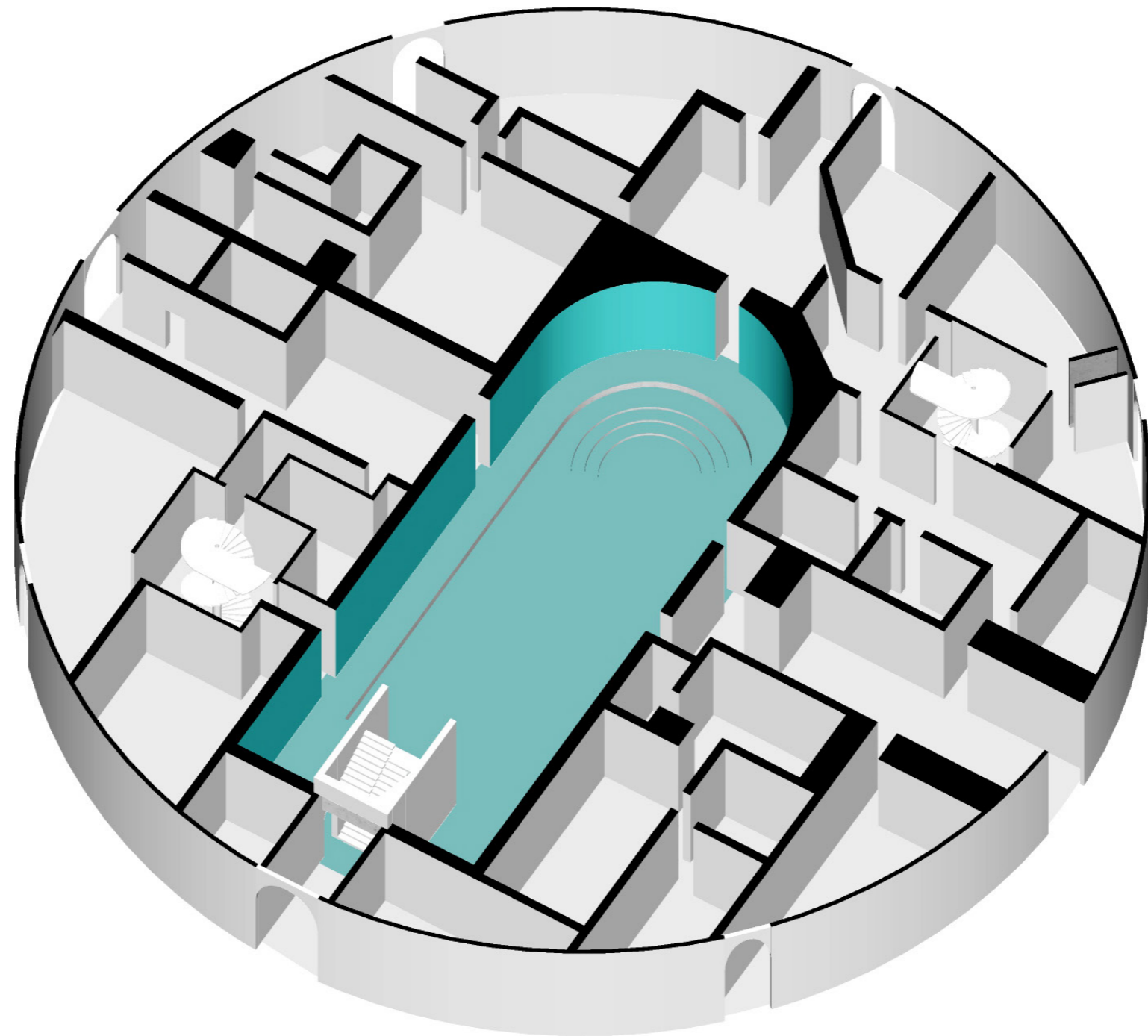


The blue terrazzo Flooring lead people entre directly into the core and the gallery from main entrance.





The gallery is enclosed by glass block walls.



Library
Central Core

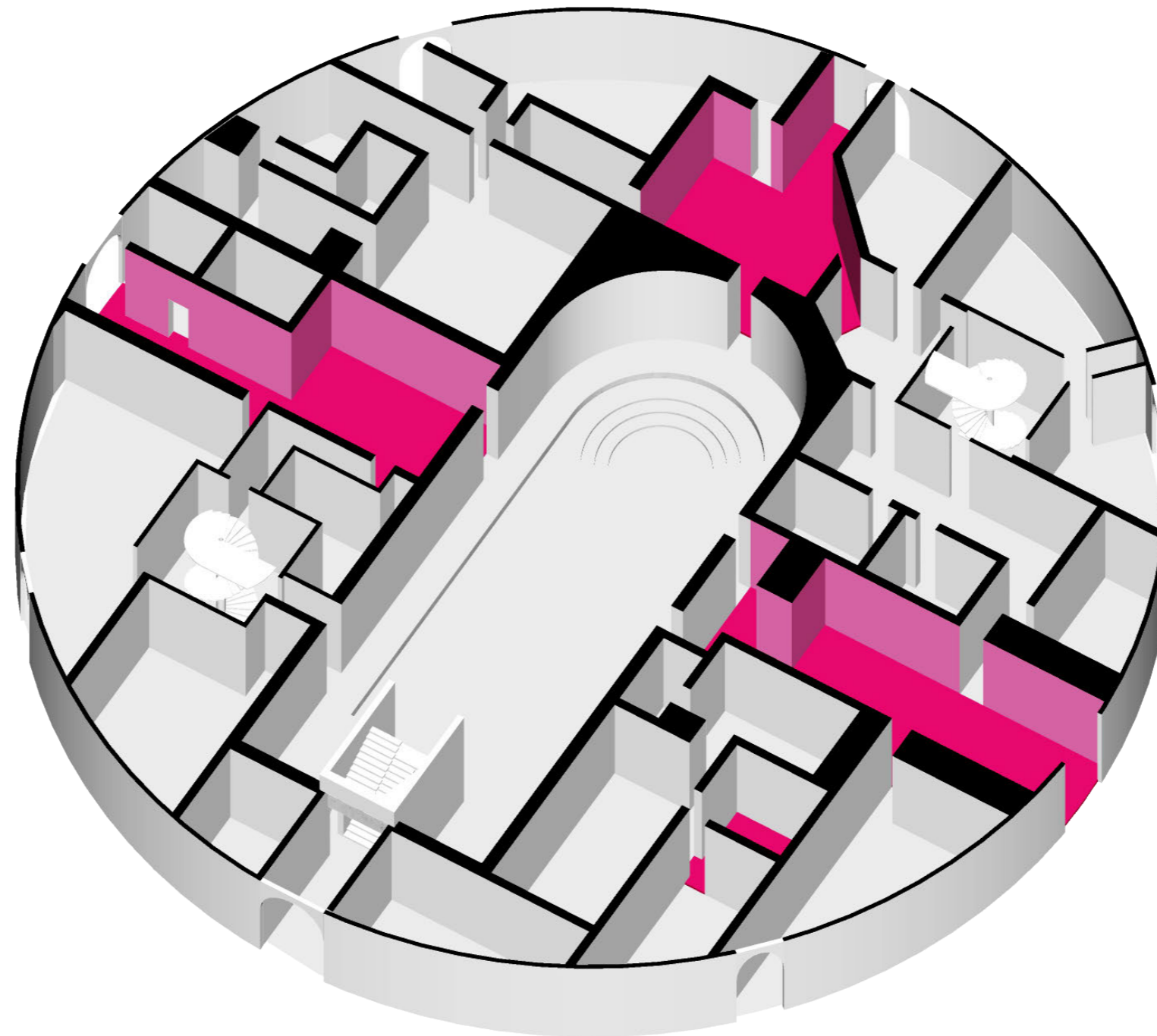


The library is painted all white and with white tiles to help you calm down.





You can pick a book you want from the book walls, and sit casually at the atrium to read it.

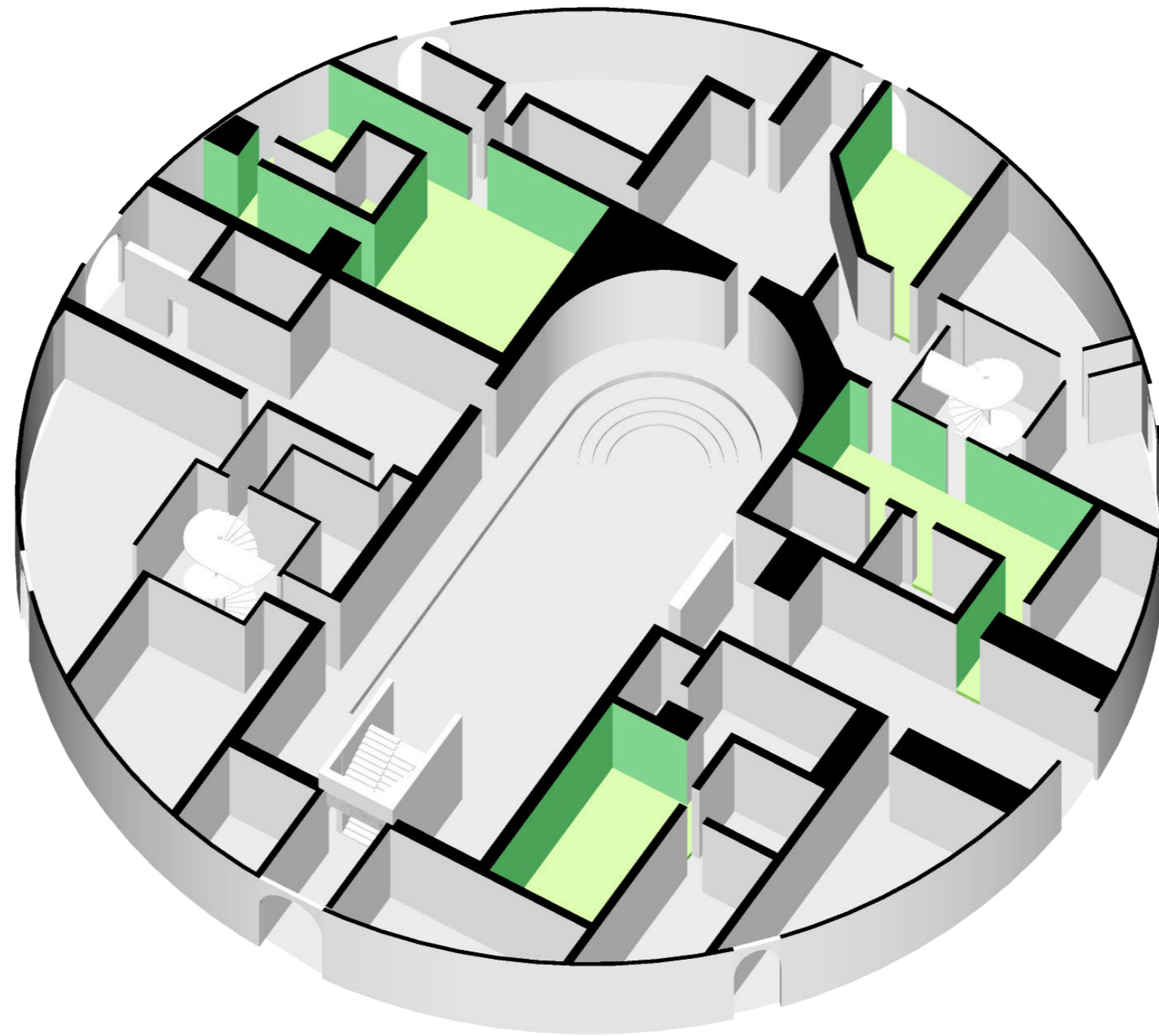


Social Bar

Meet some new people while having your coffee.
Main Connection on two axes



The social bars are in pink walls to create an impassioned atmosphere. Pink will make people more willingly to talk to others.



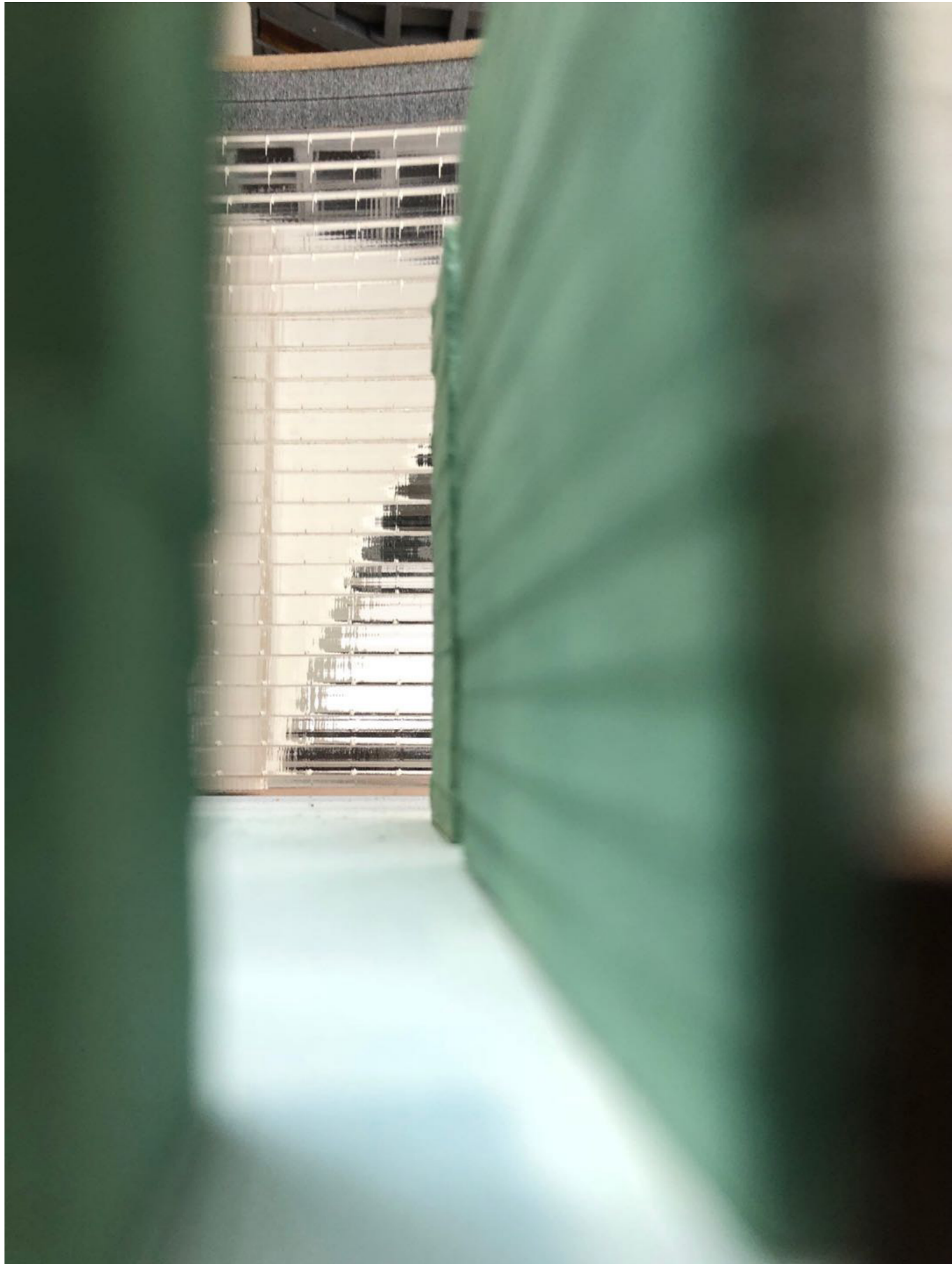
Collaborating Room

Along the way from social bar to the library, you can stop by the collaborating room next to it.



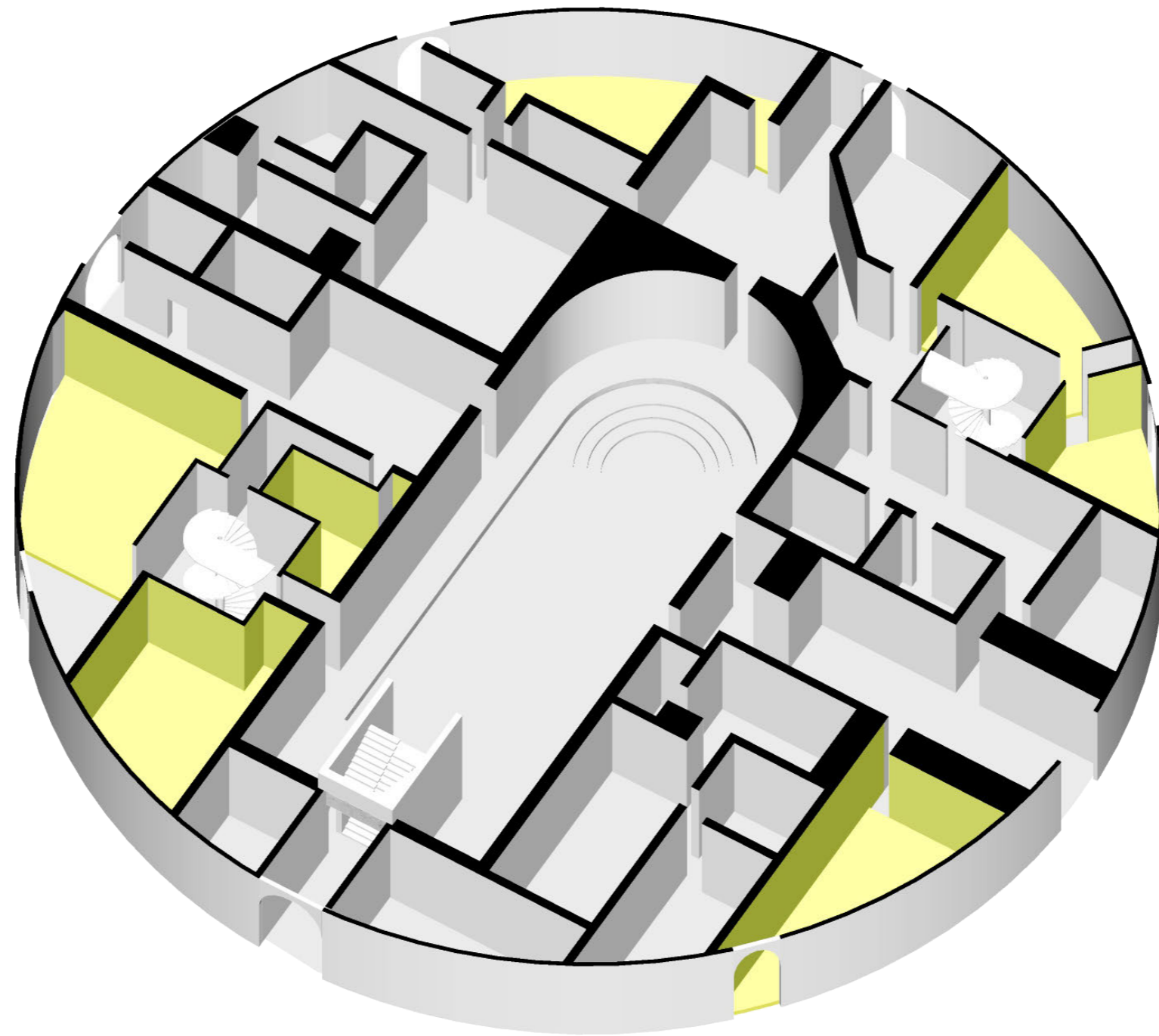
The rooms are in green walls, make people calm down and feel relax. You can start a business talk here as well as talk with friends.

There are two or more entrances in the room. you can also easily pass through it.



The rooms are in green walls, make people calm down and feel relax. You can start a business talk here as well as talk with friends.

There are two or more entrances in the room. you can also easily pass through it.



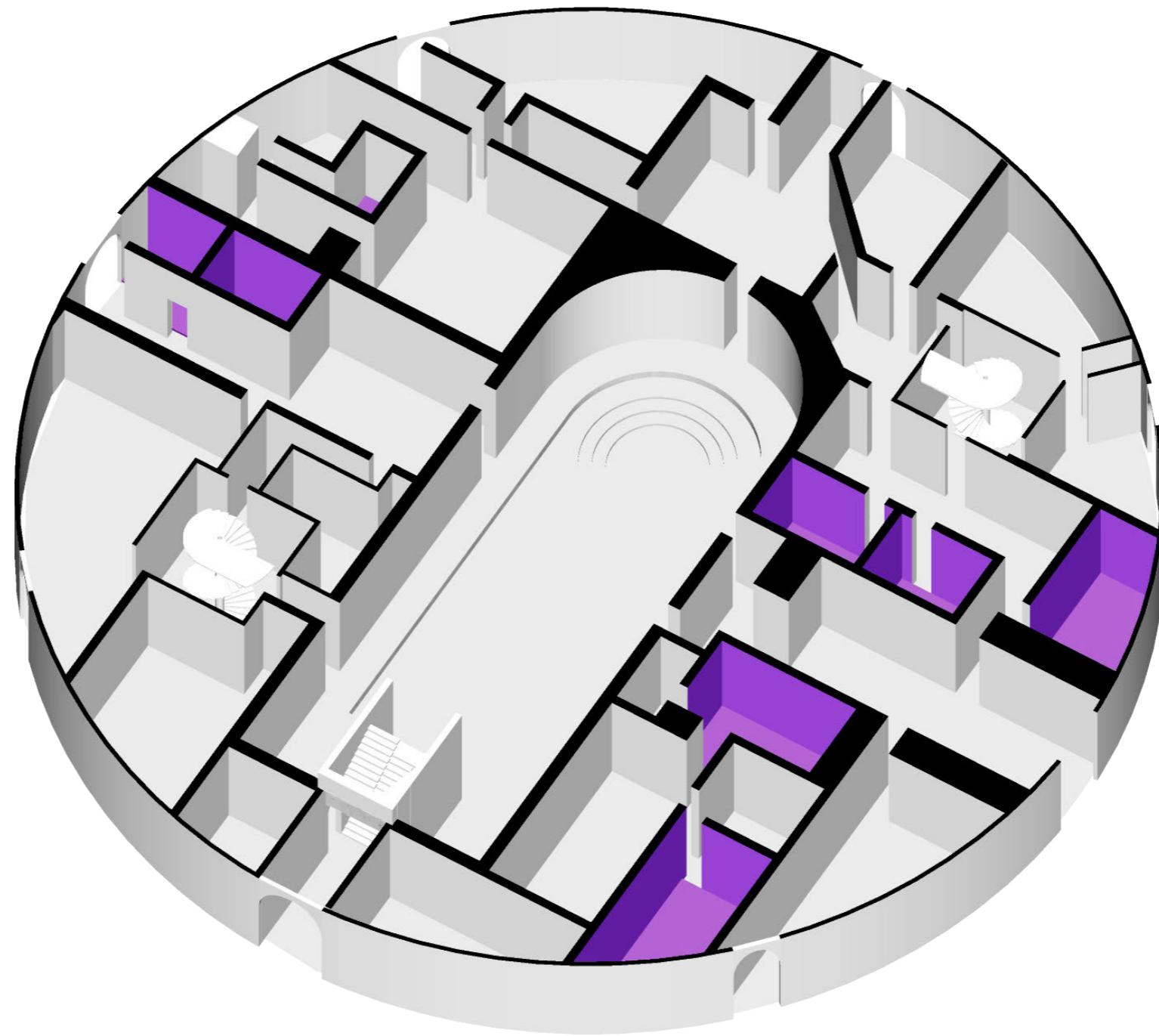
Workshop

The space for skill exchange or selling.
Encourage interested people to attend
(1 or two entrance)



Workshops are coloured in yellow. they are located around the circle. People from outside can also see through what they people are doing inside. They can join them at any time if they found themselves interest in it.

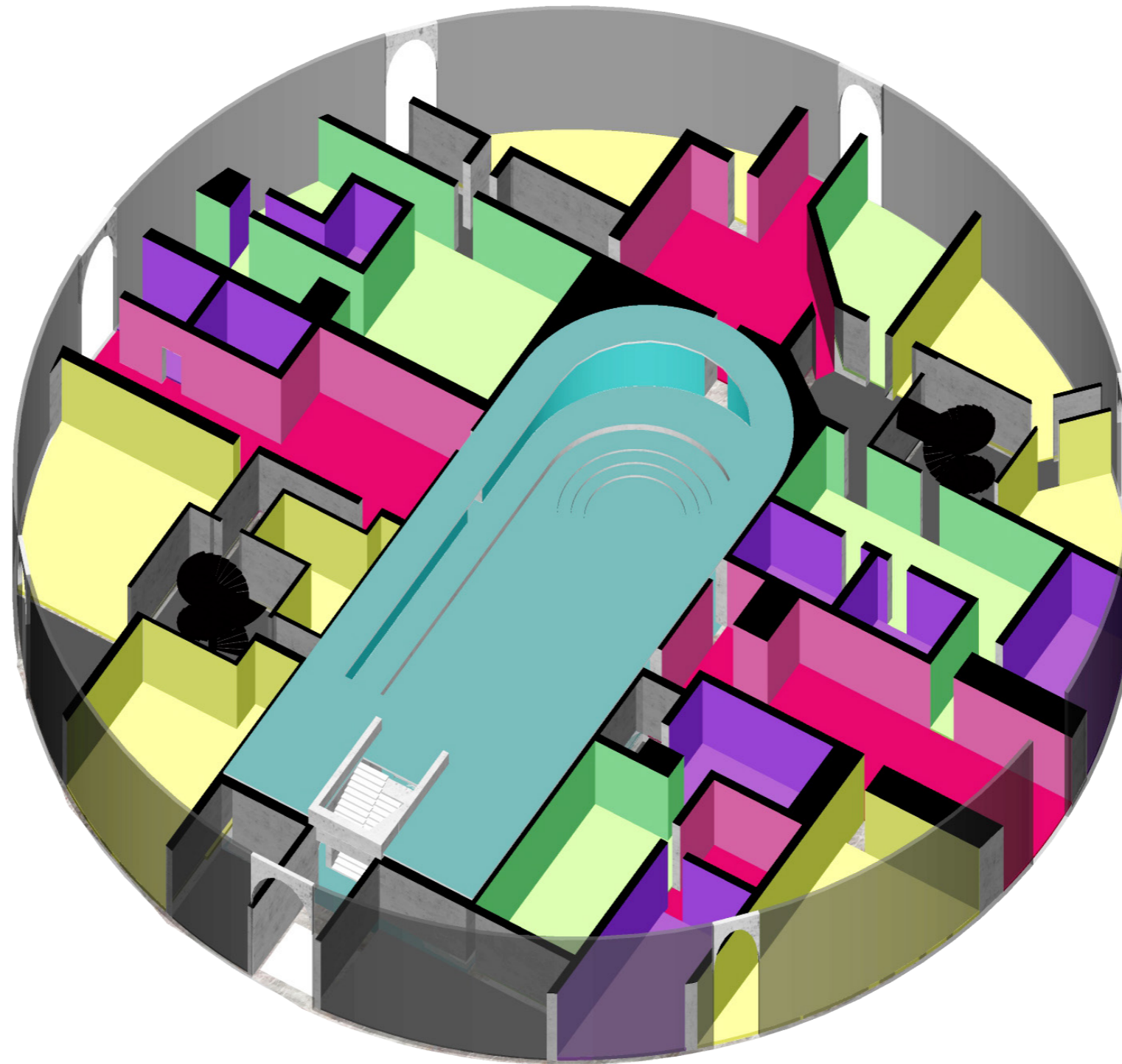
There are sharing meeting rooms in the collaboration hub arranged at the end of each route. You can book it online or at the counter if you need. To keep privacy, there are only one entrance for each. Purple shows their higher level of privacy.



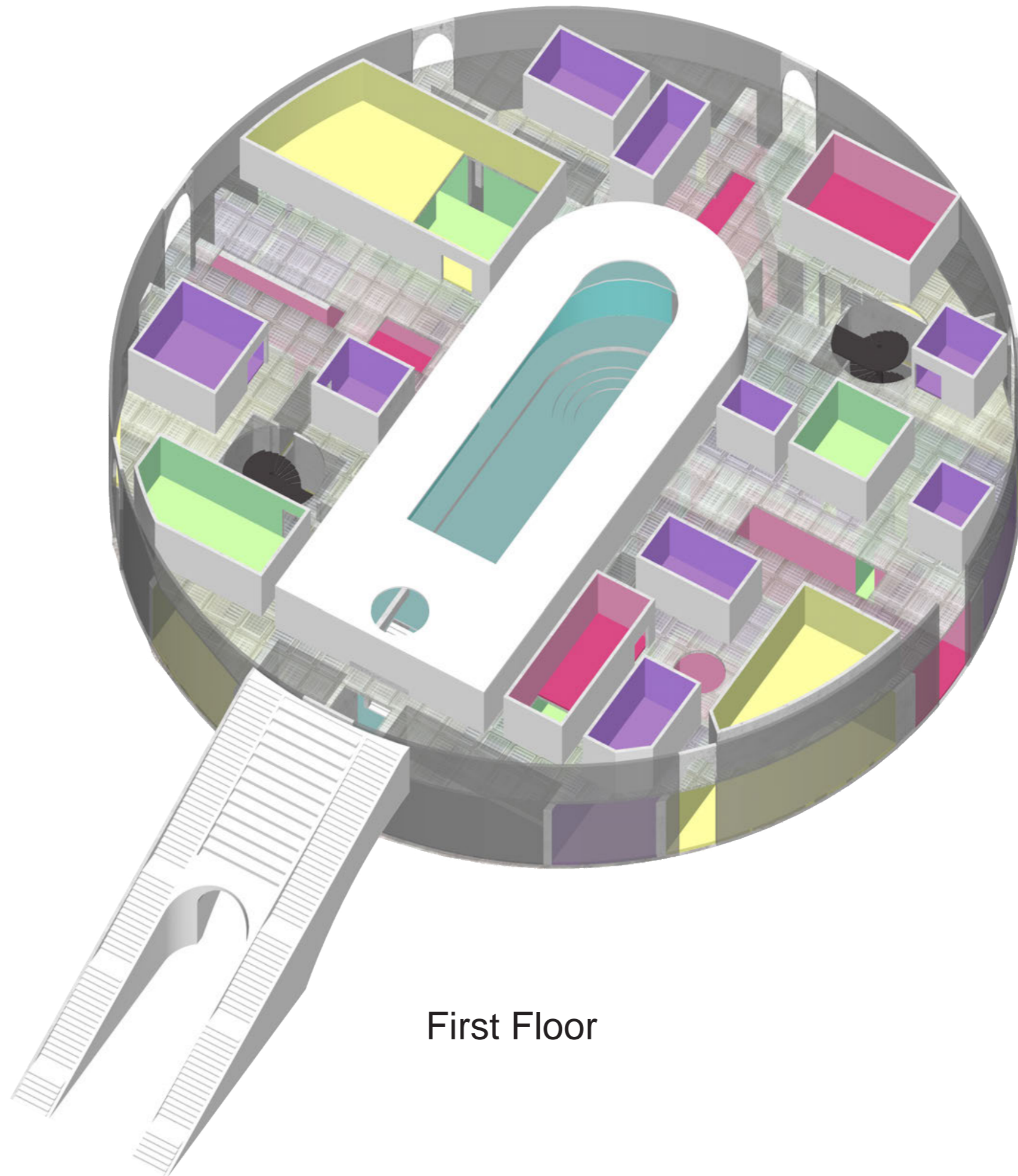
Meeting Room

Keep privacy while being used
(One entrance)

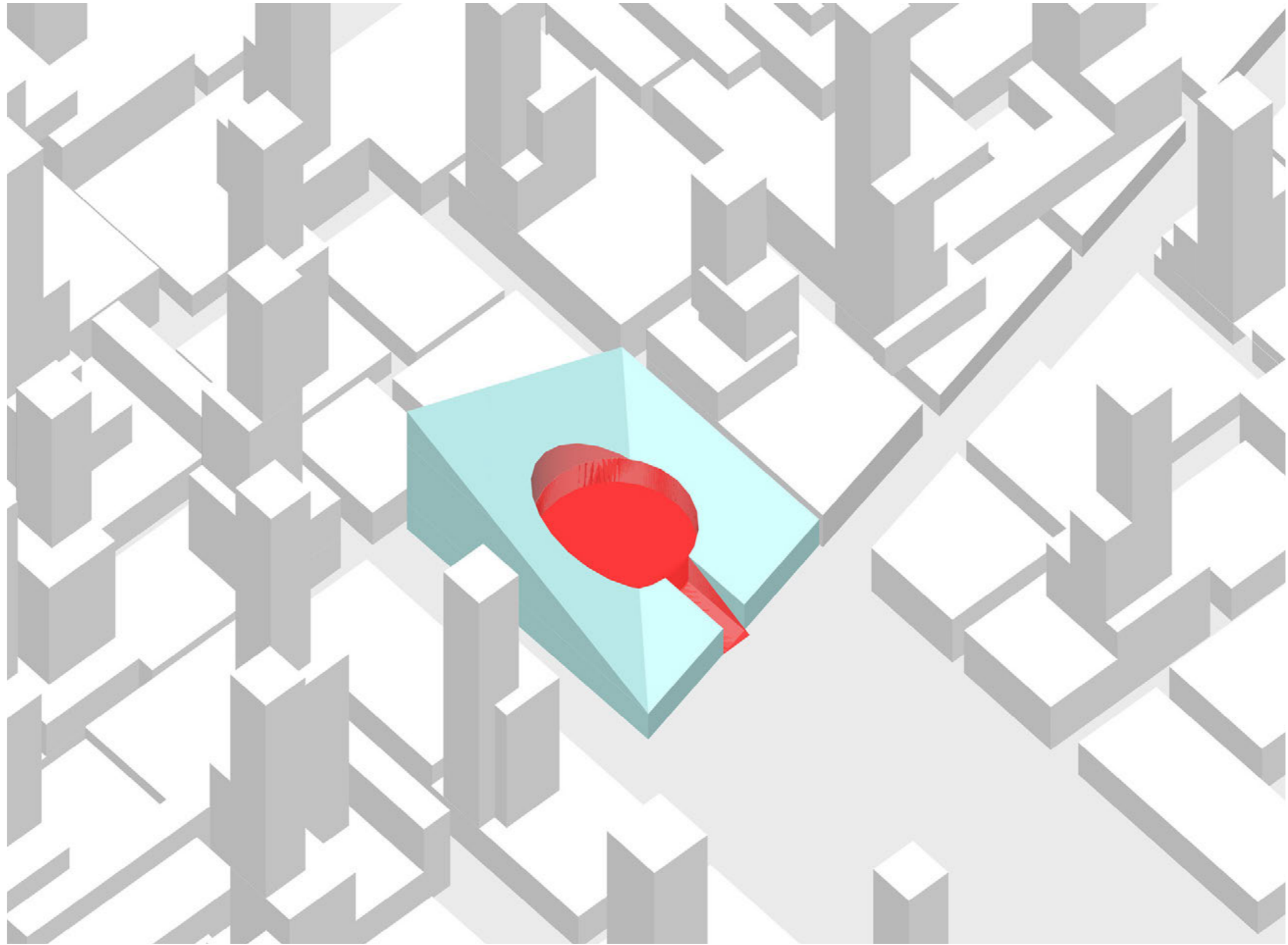
Although the rooms are organized as a maze. you will never get lost because of the colors.

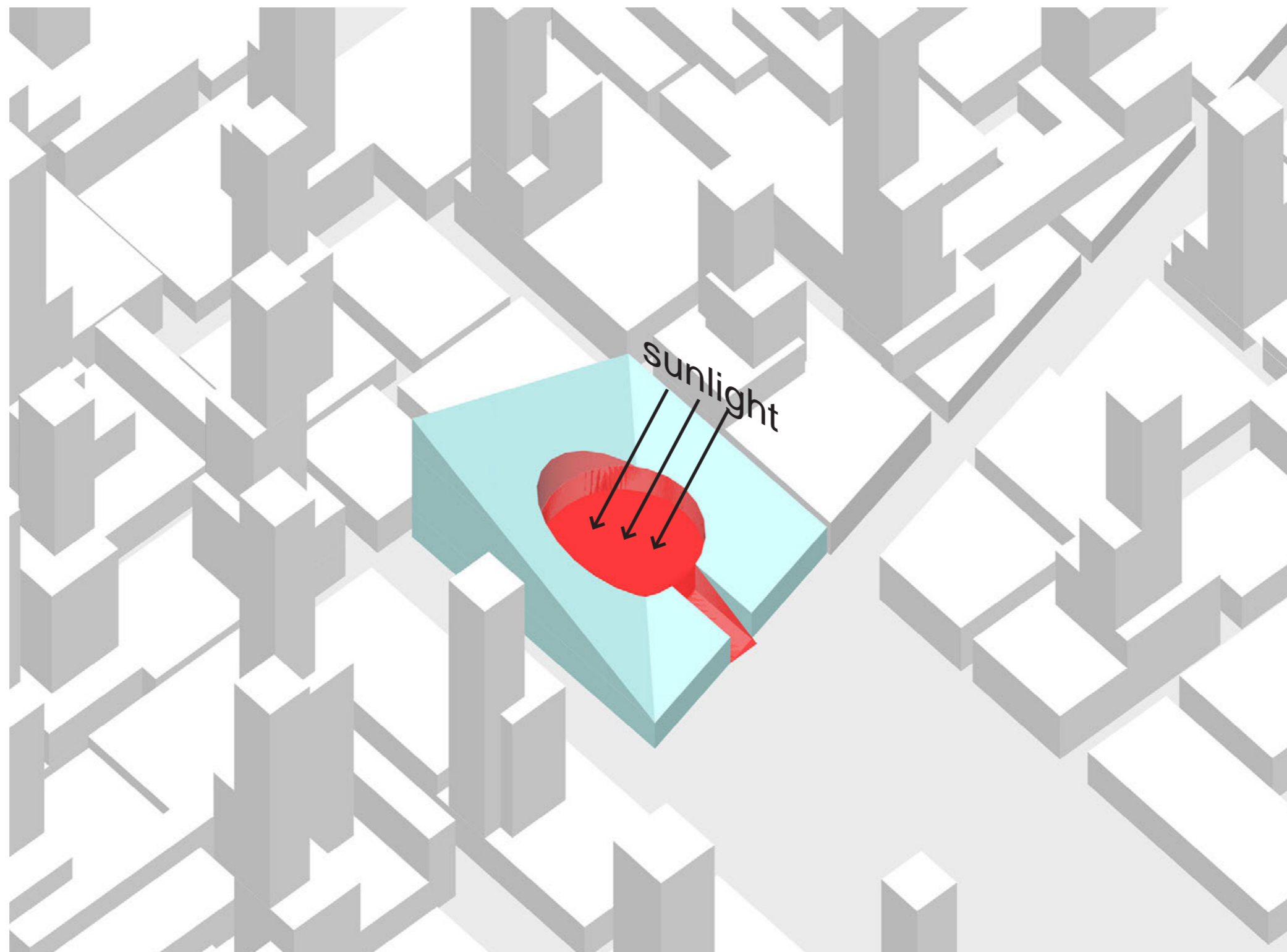


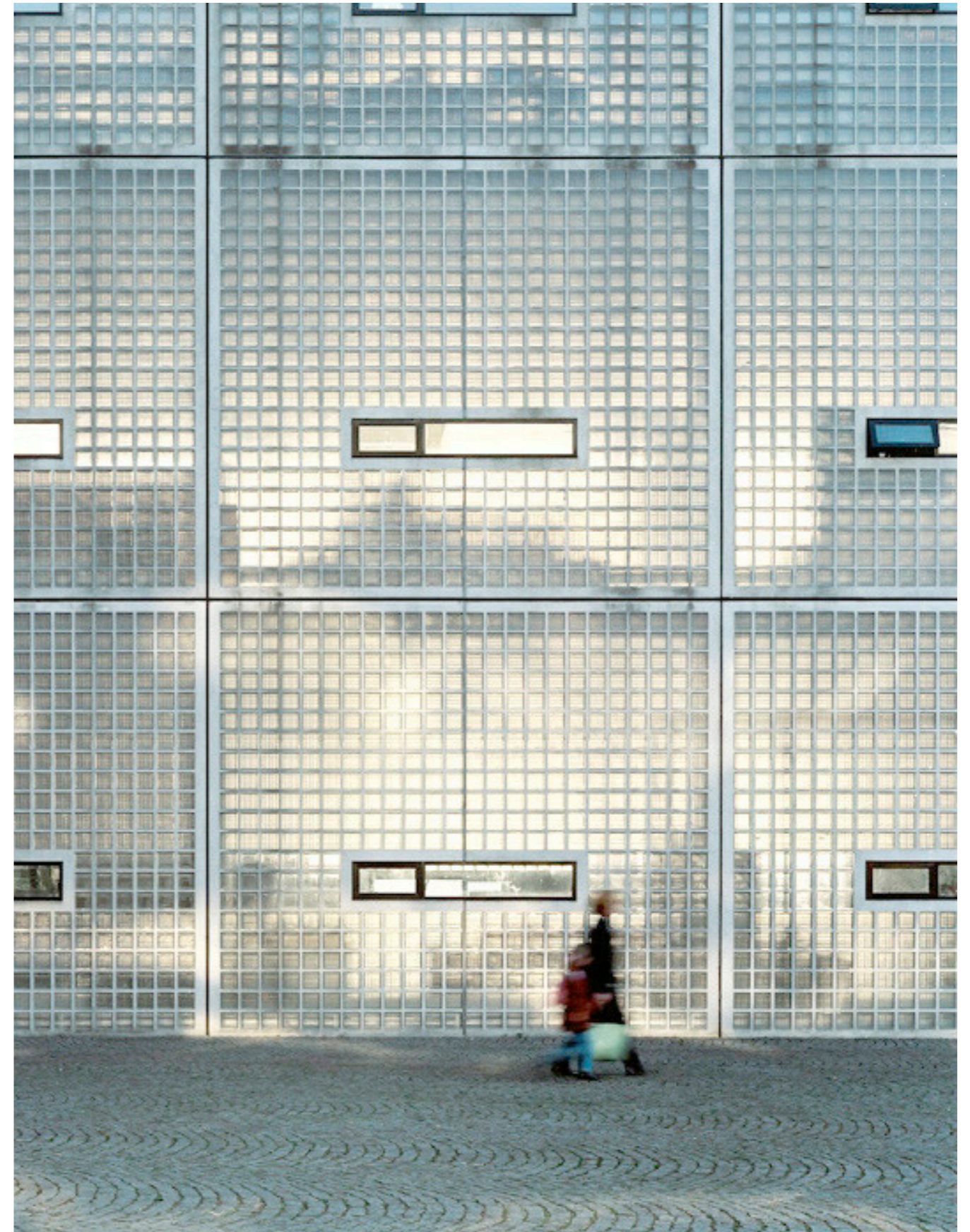
Ground Floor



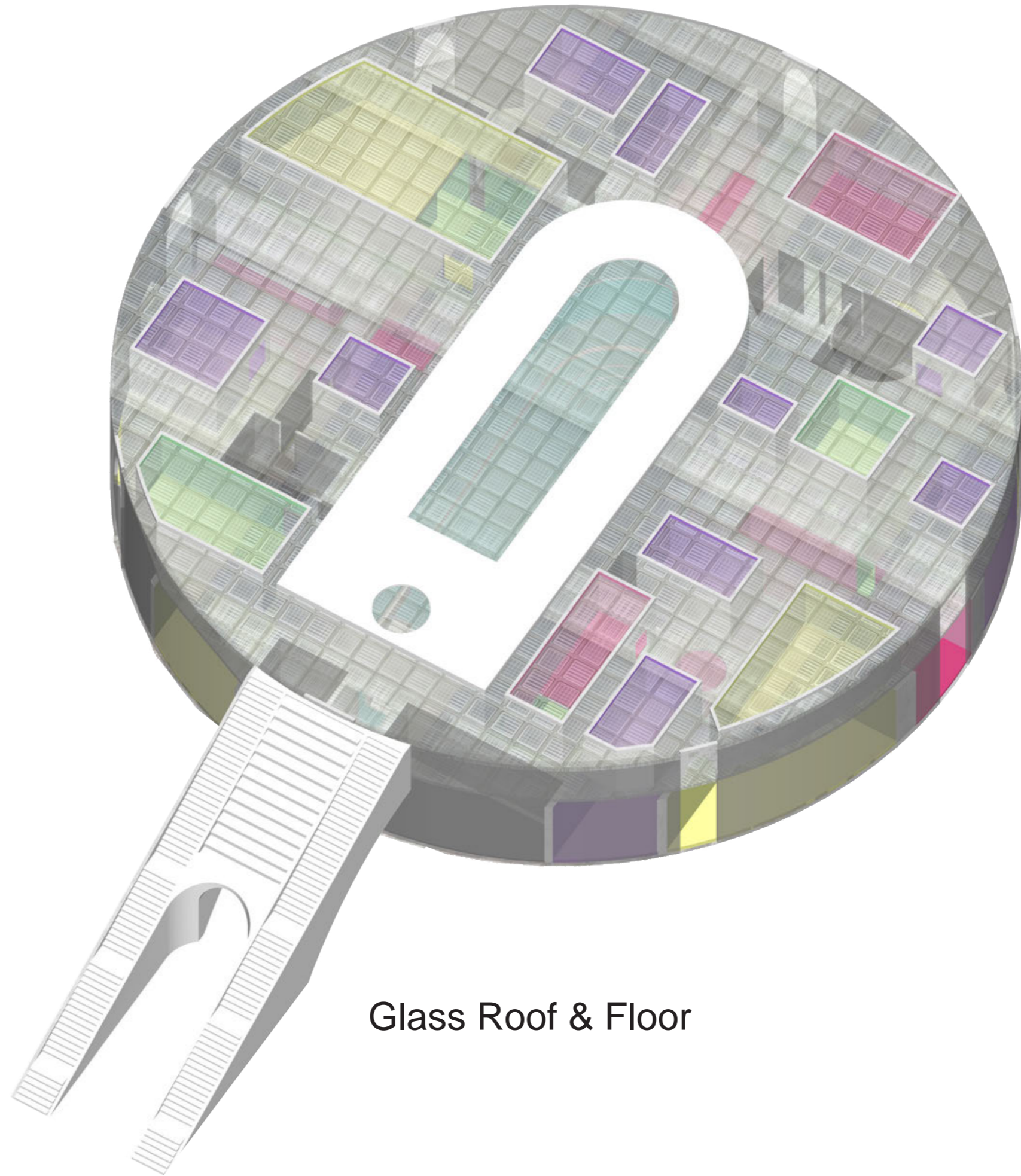
First Floor





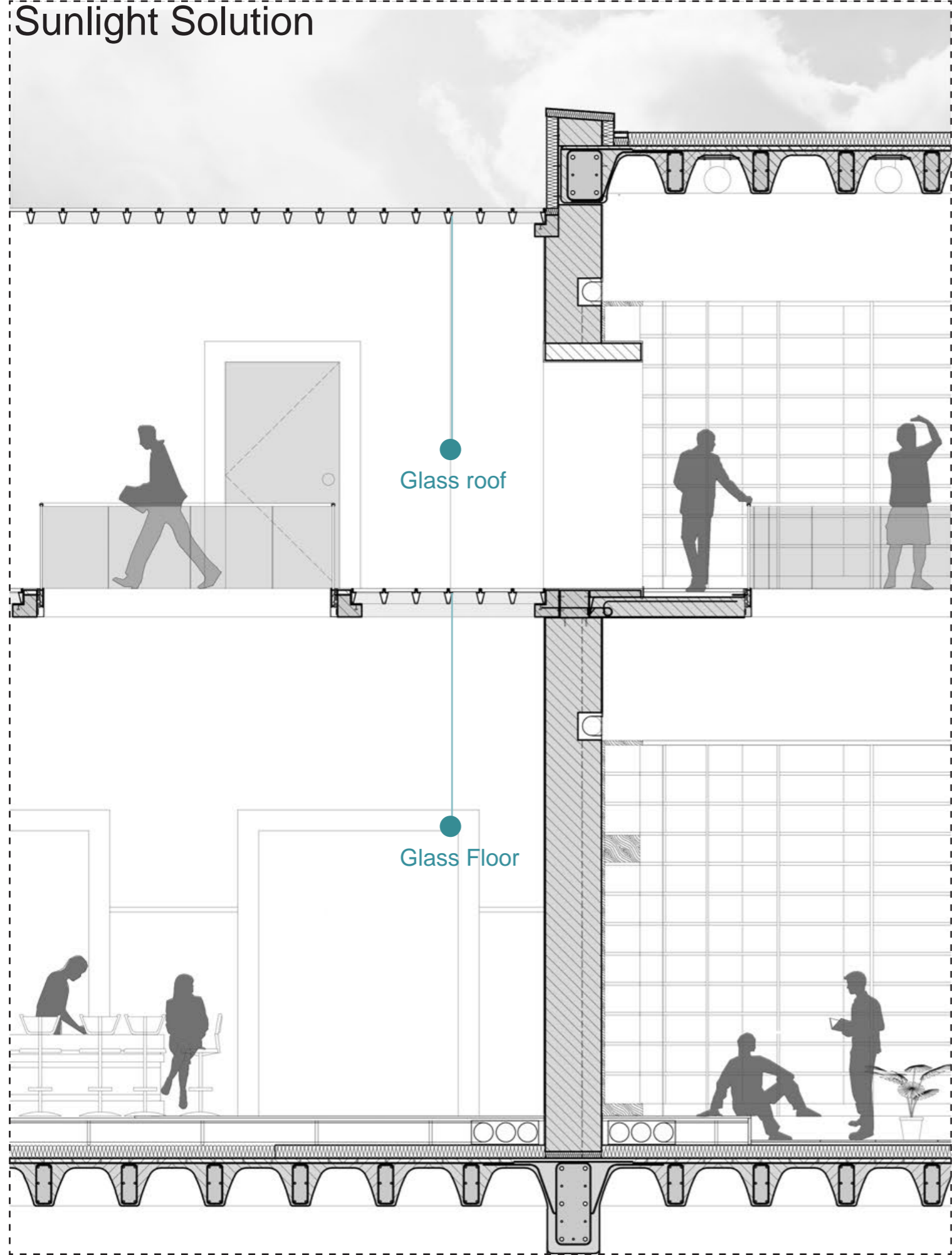


Reference: Maastricht Academy of Art & Architecture



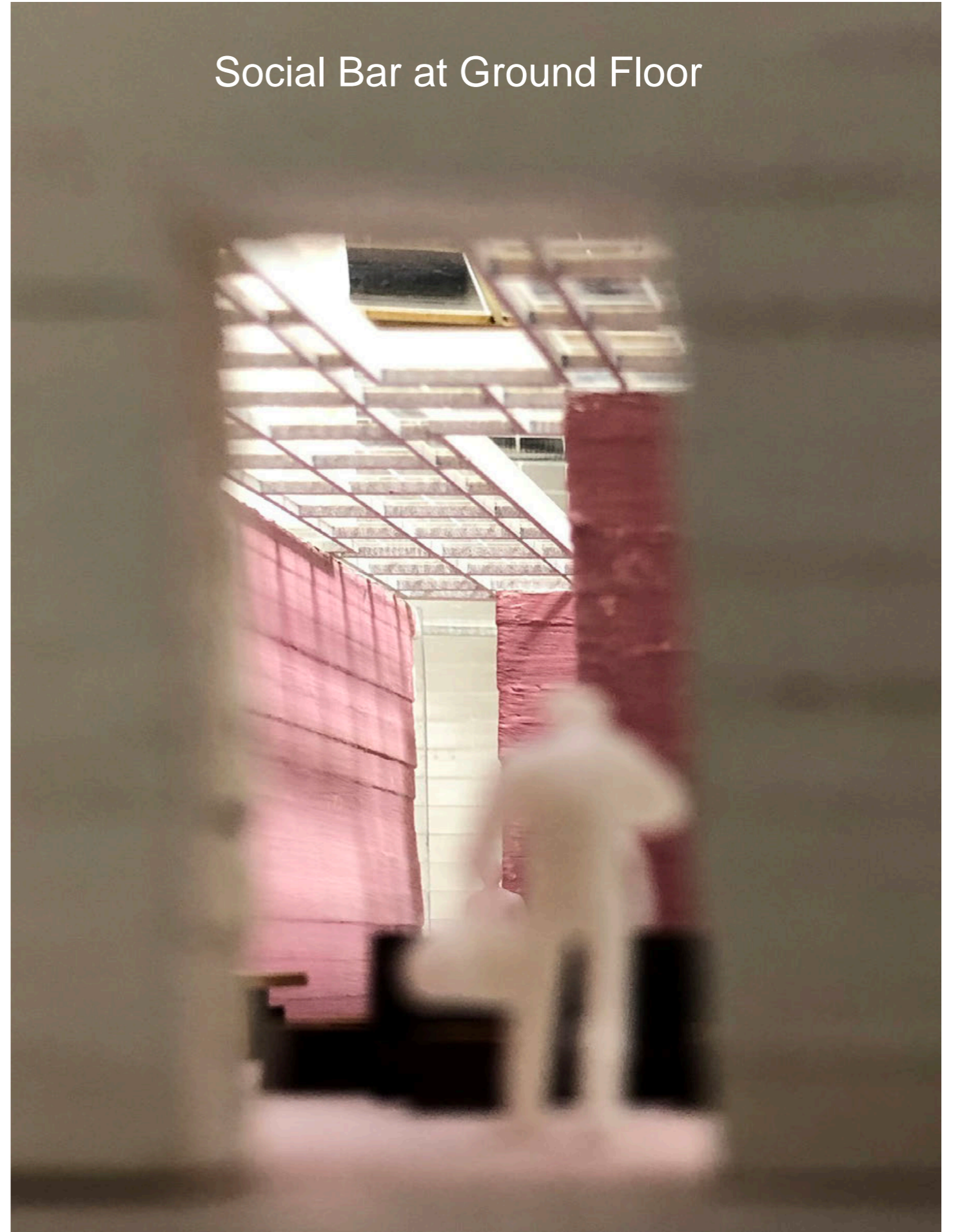
Glass Roof & Floor

Sunlight Solution

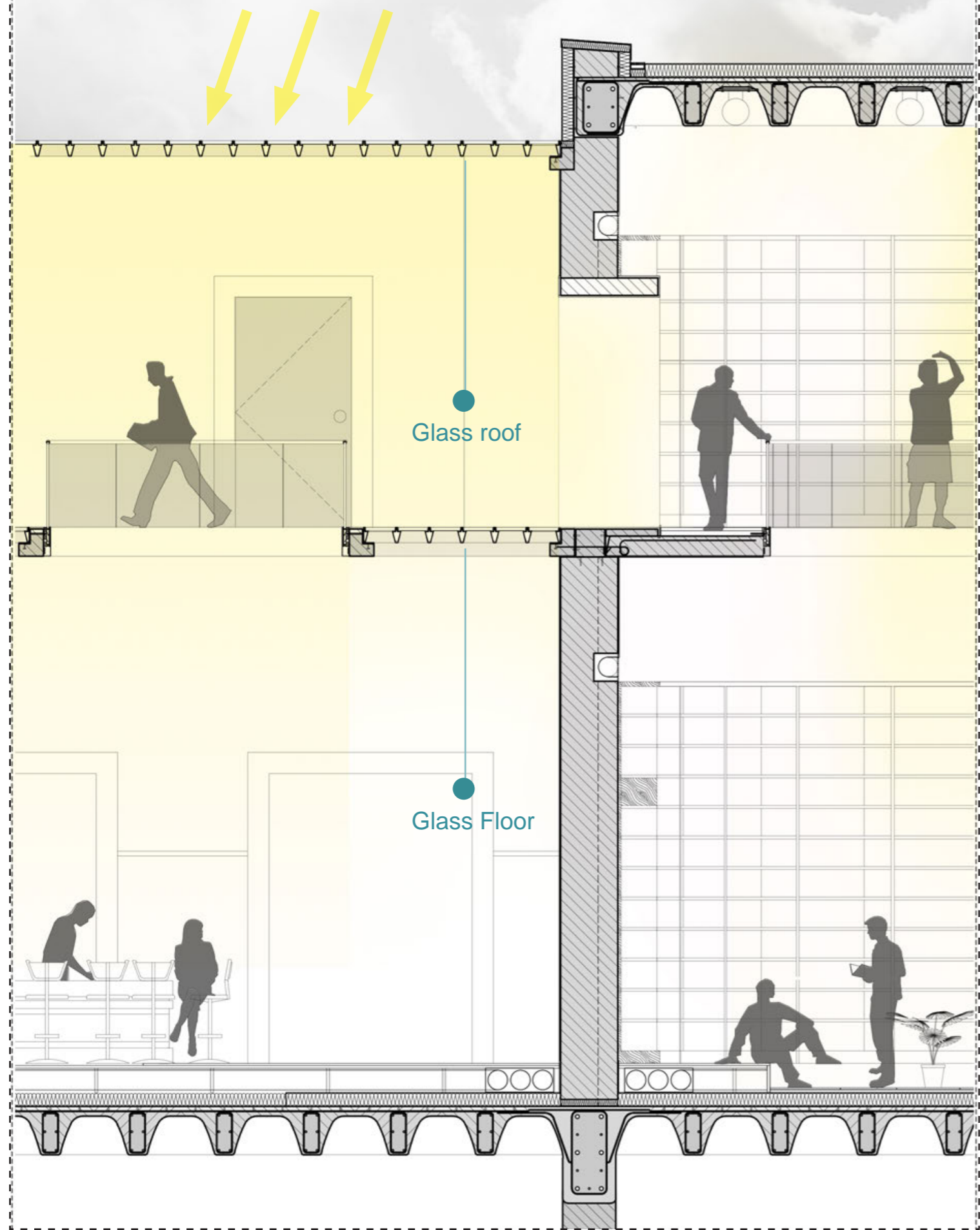


Sunlight Solution

Social Bar at Ground Floor



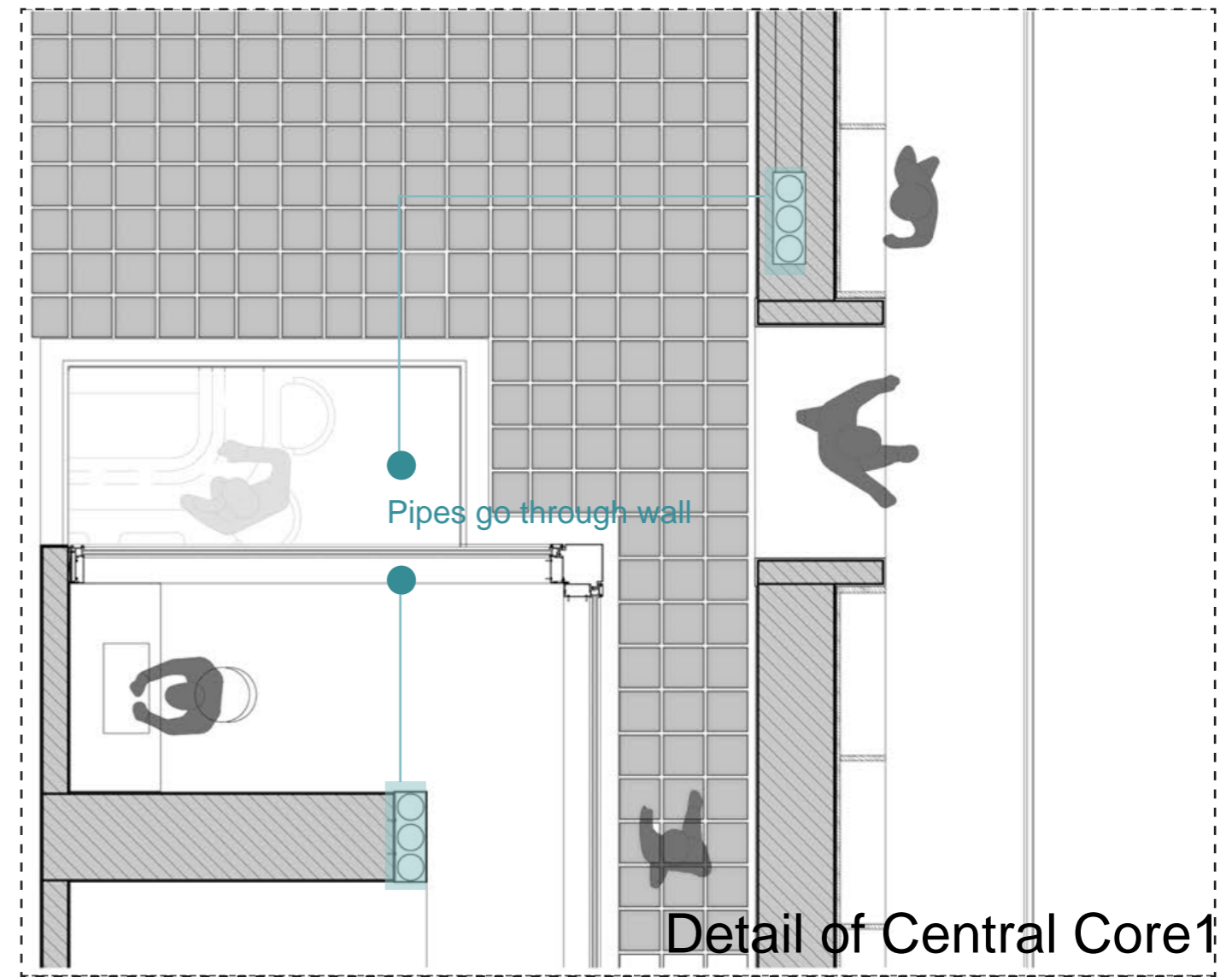
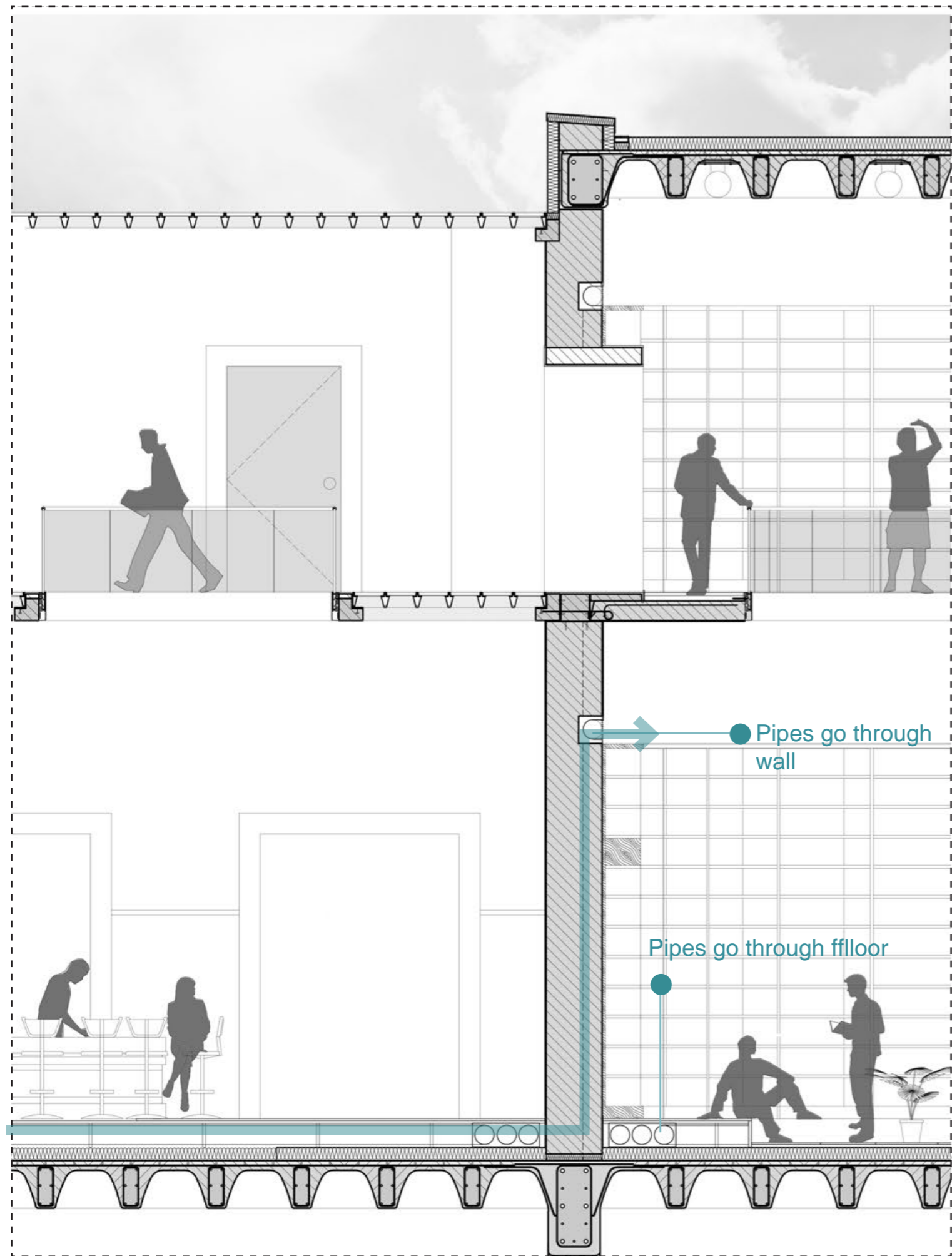
Sunlight Solution



Sunlight Solution



Pipe Solution



Detail of Central Core 1



GROUND FLOOR PLAN
S=1:200

- 1. library
- 2. workshop
- 3. collaboration room
- 4. meeting room
- 5. cafe
- 6. lunch bar
- 7. administration
- 8. concentration room
- 9. gallery

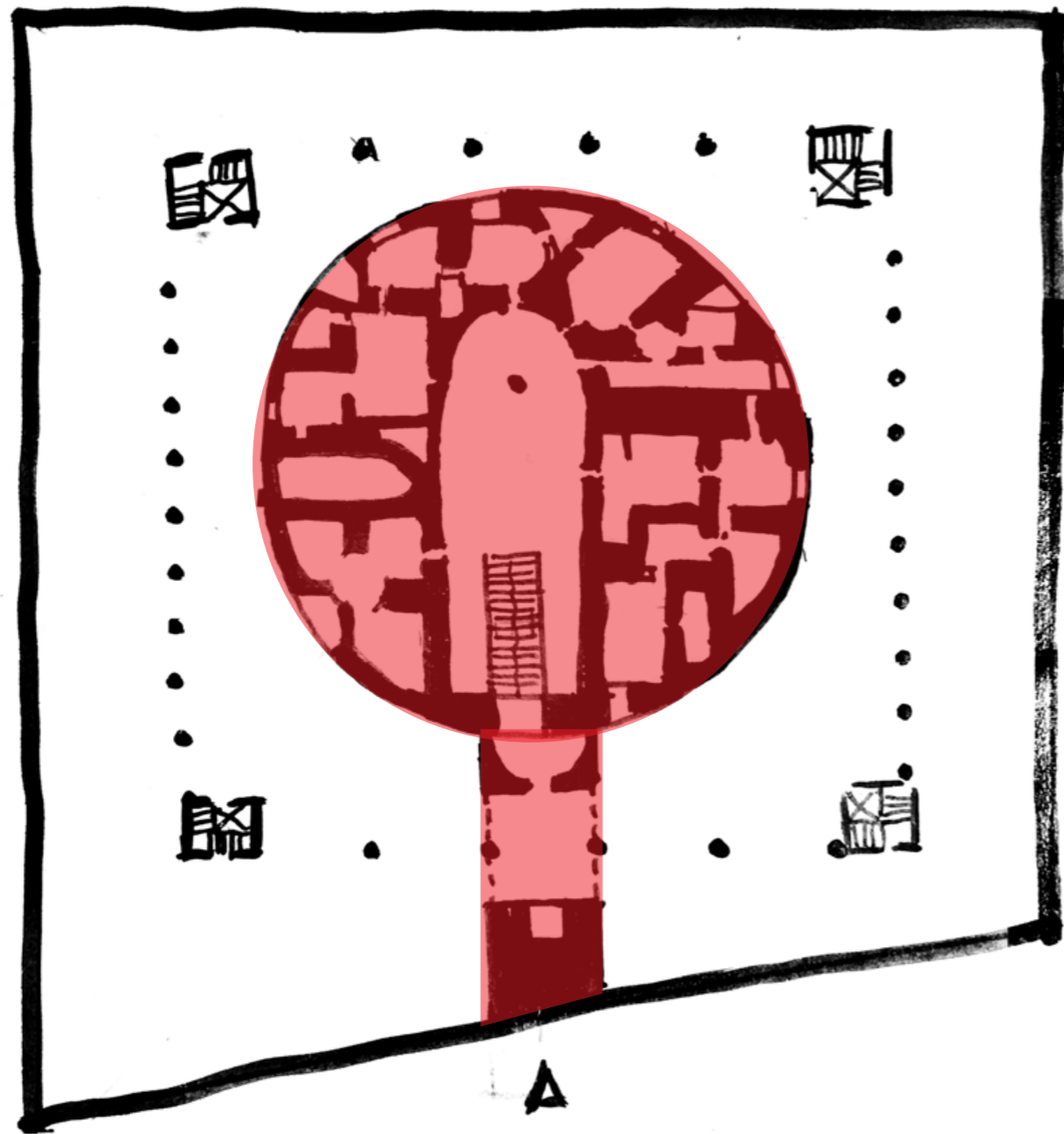
- 10. lounge
- 11. open study
- 12. auditorium
- 13. service room
- 14. retail
- 15. reception
- 16. gaurds

Outside the core, the space is organized in a different way.
COLLABORATION HUB

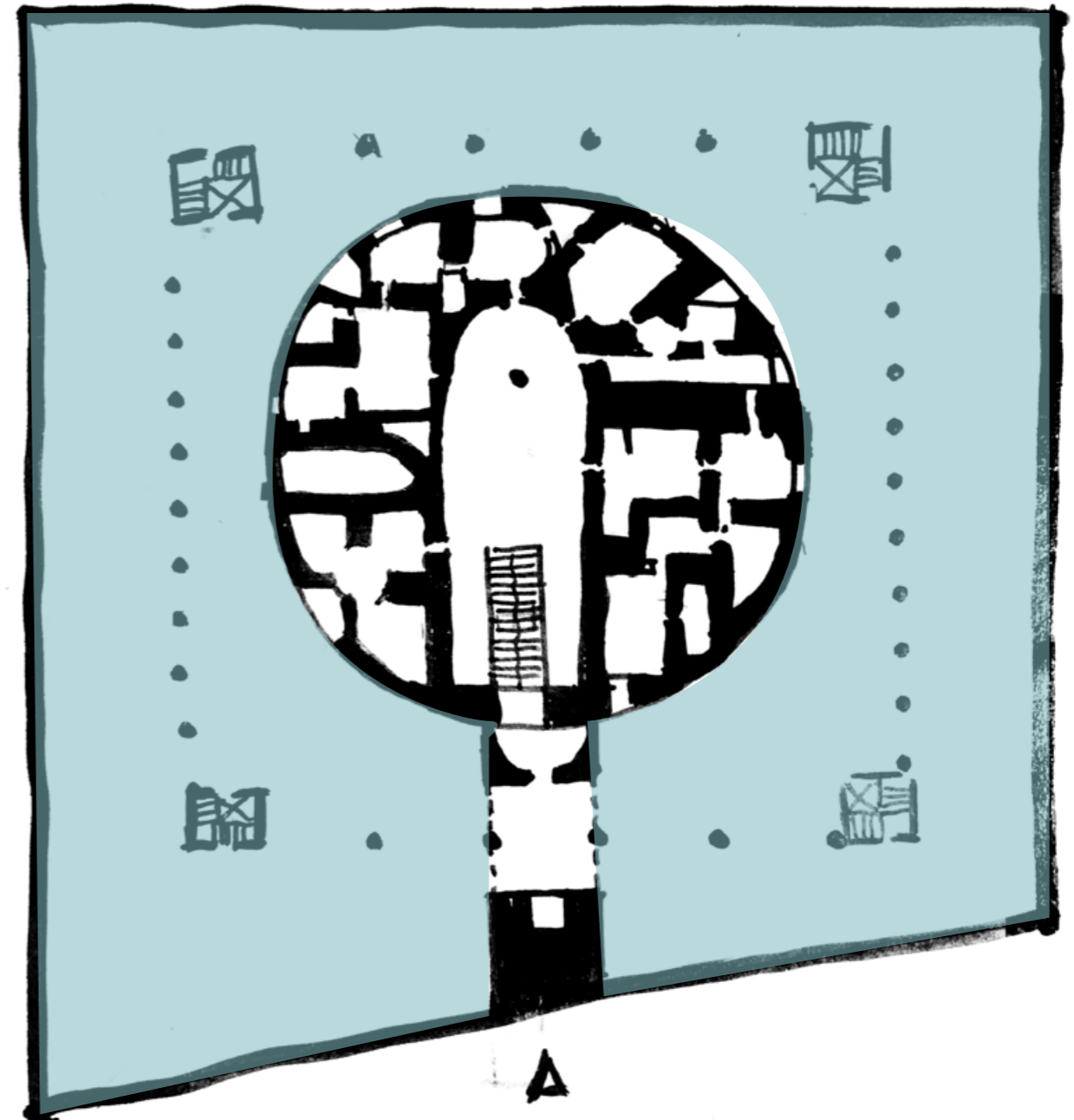


The two massings functions totally **different**. I hope the **atmosphere could help people** to shift their role while doing personal activities and collaborative activities in different space.

MAKING CONTRAST



Small intense space



Big free space with soft division.
Better space quality for longer stay.



The two parts are divided by the glass block walls.



The pink shinny epoxy Floor for the lounge provide people a sense of FLOWING.



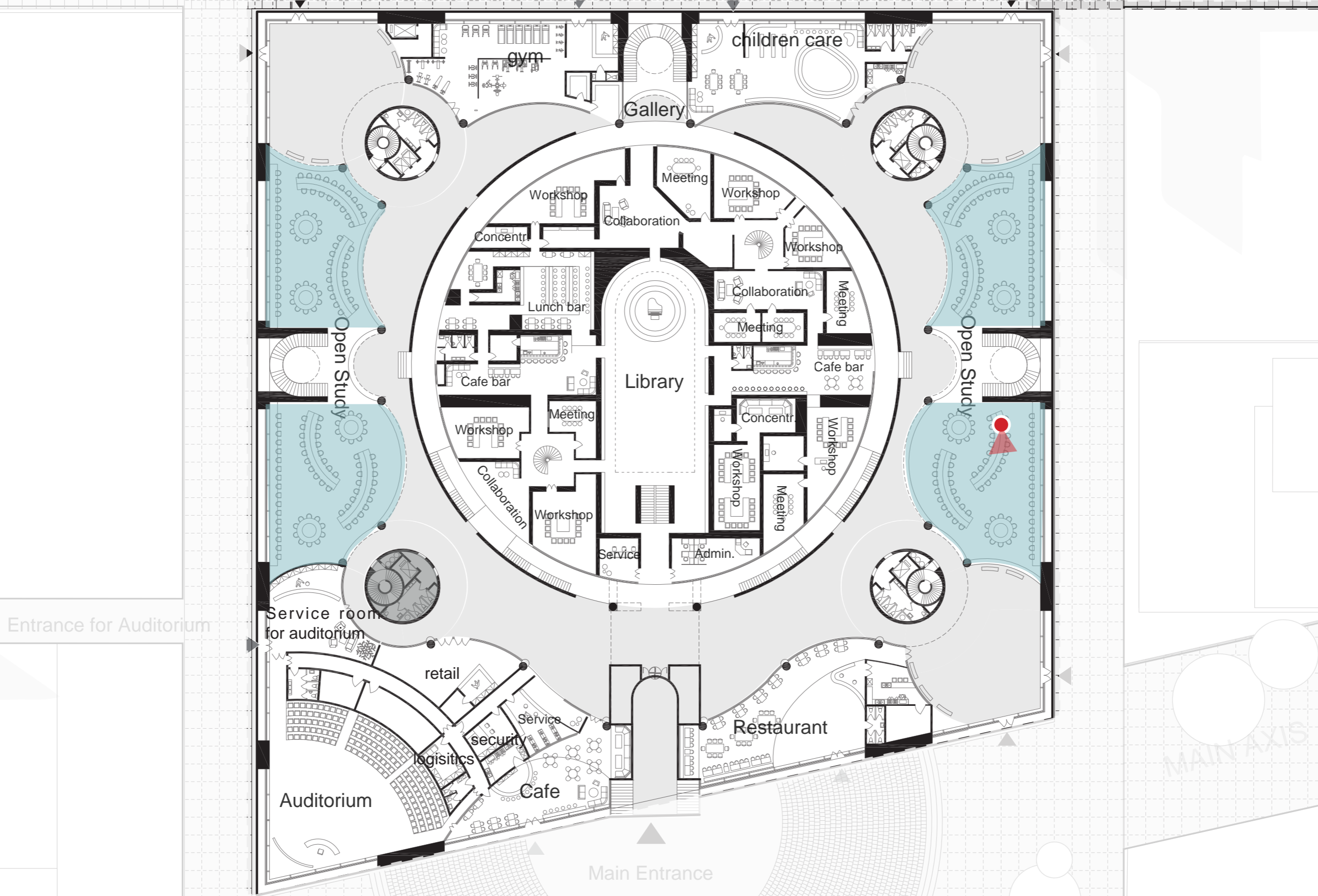
Four concrete cores at the corner and big arches in between provide the ground floor free spaces with less columns.



■ open desks	5500m2
■ startup studios	2000m2
■ meeting rooms	600m2
■ collaboration	1000m2
■ work-out area	1000m2
■ social corner	1000m2
■ workshops	1000m2
■ club	1000m2
■ library	900m2
■ gallery	600m2
■ retails	500m2
■ other facilities	2900m2

■ lecture rooms	800m2
■ auditorium	600m2
■ stuff offices	200m2
■ labs	500m2
■ meeting room	200m2
■ storage	300m2
■ other facilities	1400m2

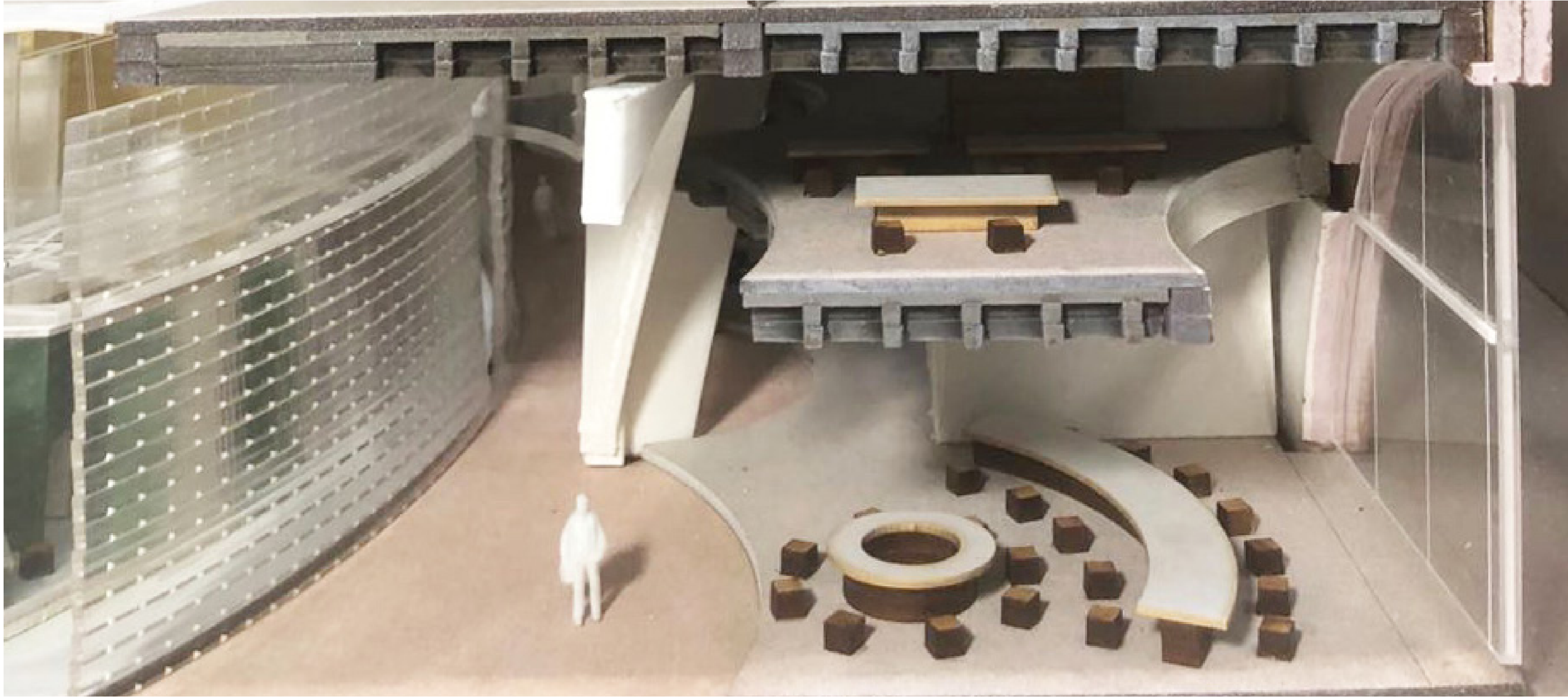
- University
- (Re)start-up
- Collaboration hub
- Public functions



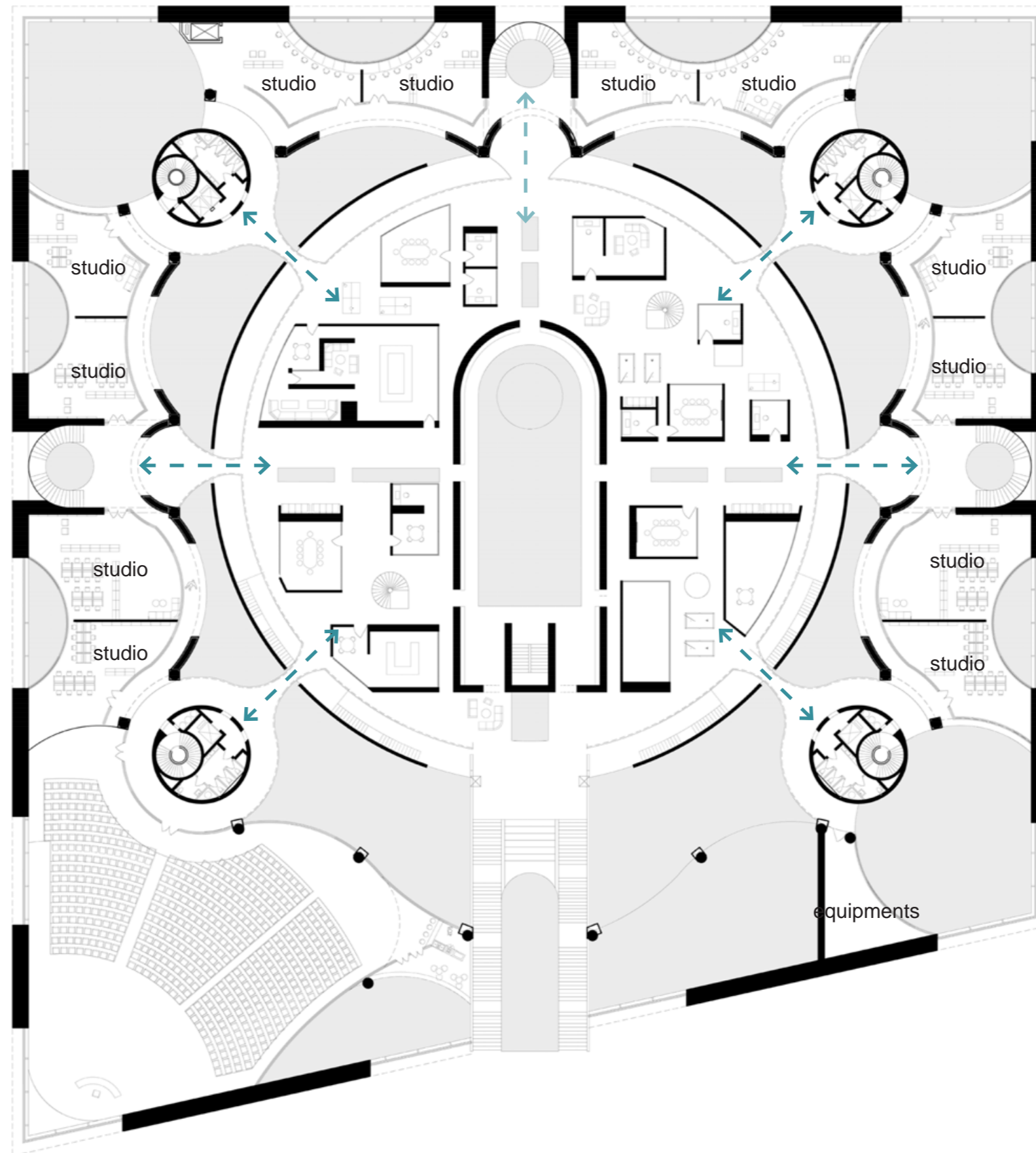
The open desks and startup studios on top are the place where people spend the most time here.



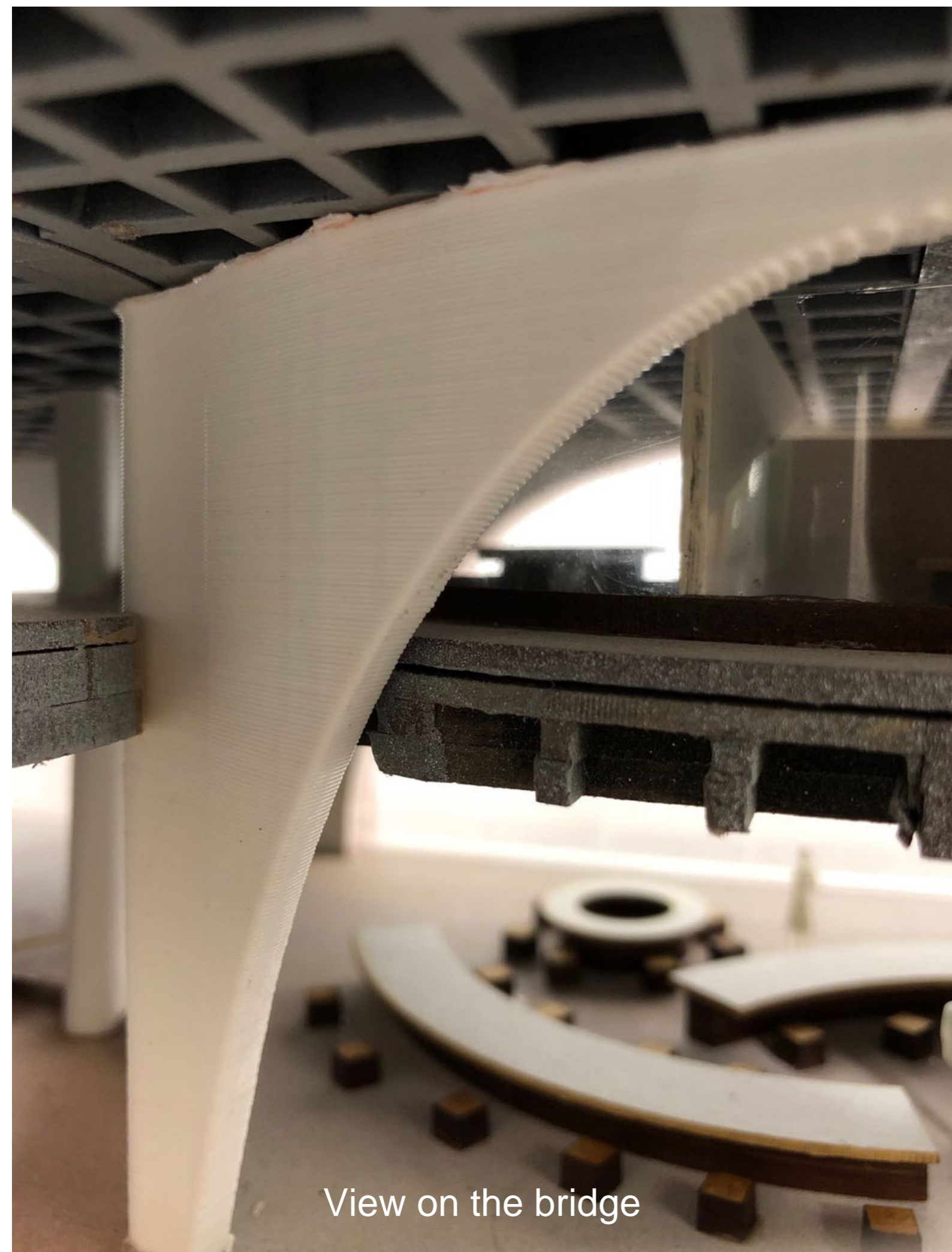
you can sit in the sunshine for all day, fighting for a better future.



Upstairs of the open desk are the studios.



1st FLOOR



View on the bridge



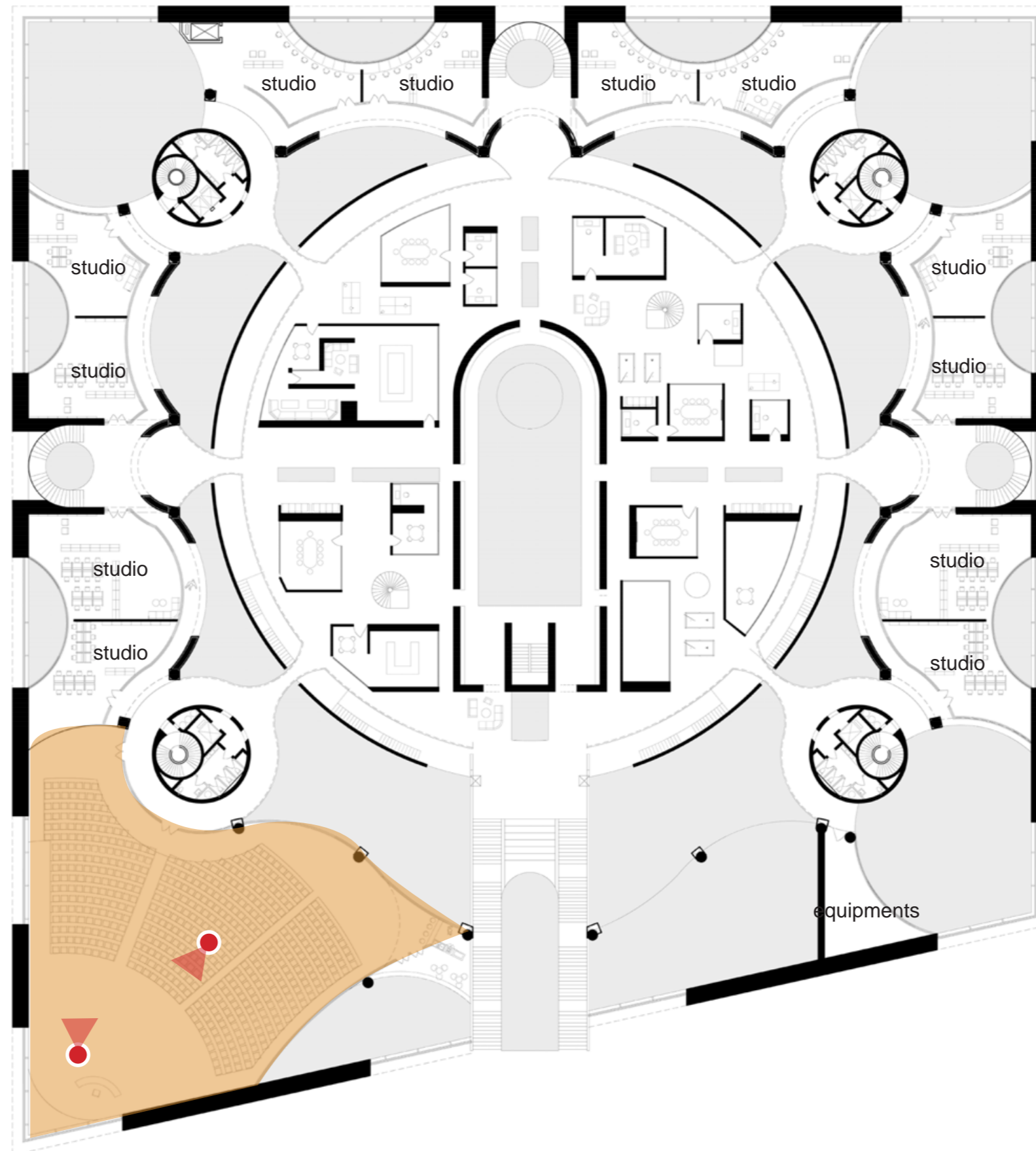
Glass bridge



■ open desks	5500m ²
■ startup studios	2000m ²
■ meeting rooms	600m ²
■ collaboration	1000m ²
■ work-out area	1000m ²
■ social corner	1000m ²
■ workshops	1000m ²
■ club	1000m ²
■ library	900m ²
■ gallery	600m ²
■ retails	500m ²
■ other facilities	2900m ²

■ lecture rooms	800m ²
■ auditorium	600m ²
■ stuff offices	200m ²
■ labs	500m ²
■ meeting room	200m ²
■ storage	300m ²
■ other facilities	1400m ²

■ University
■ (Re)start-up
■ Collaboration hub
■ Public functions



There is an auditorium for about 600 people.



The auditorium has the view to the street.



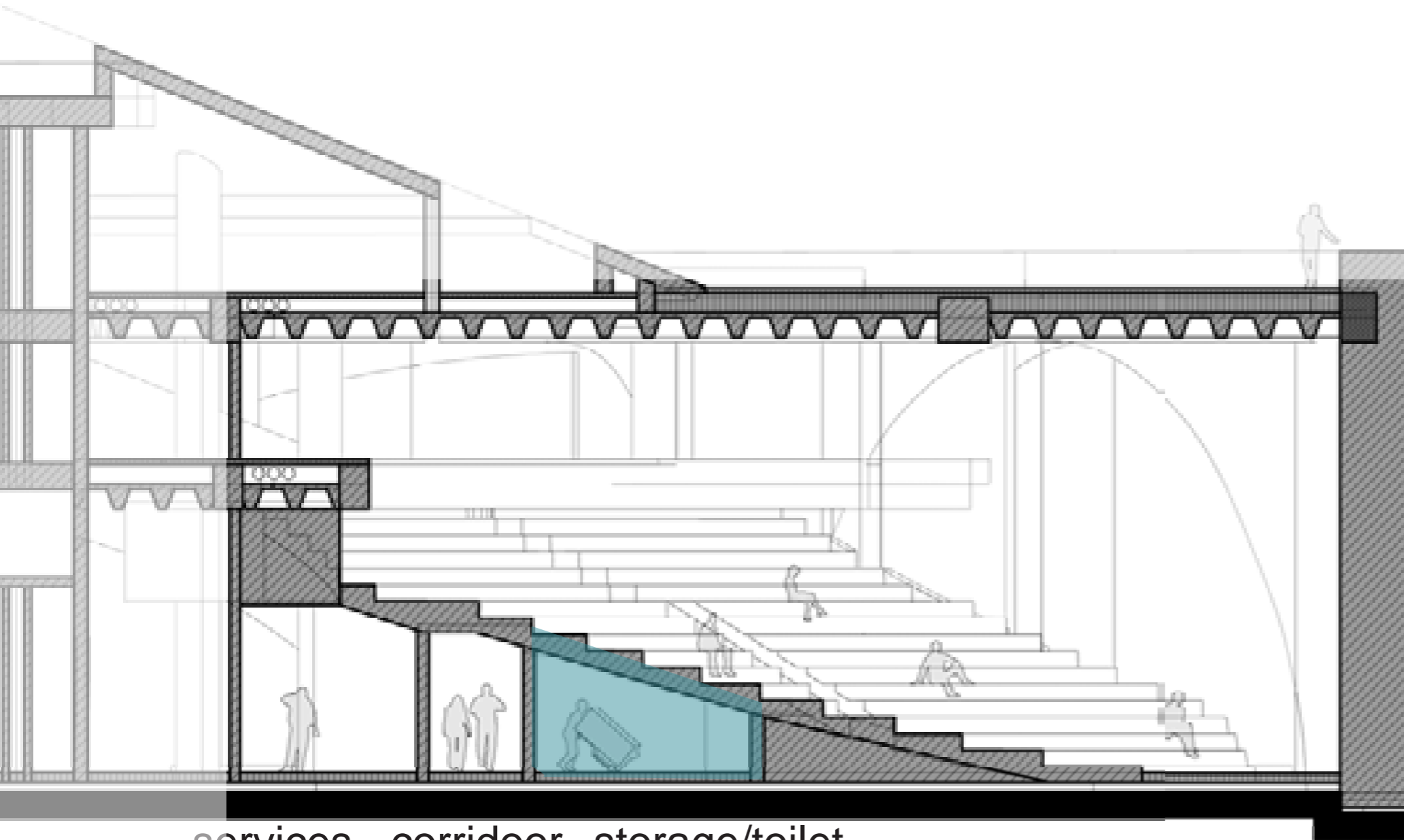
BUSINESS ADMINISTRATION

Open courses

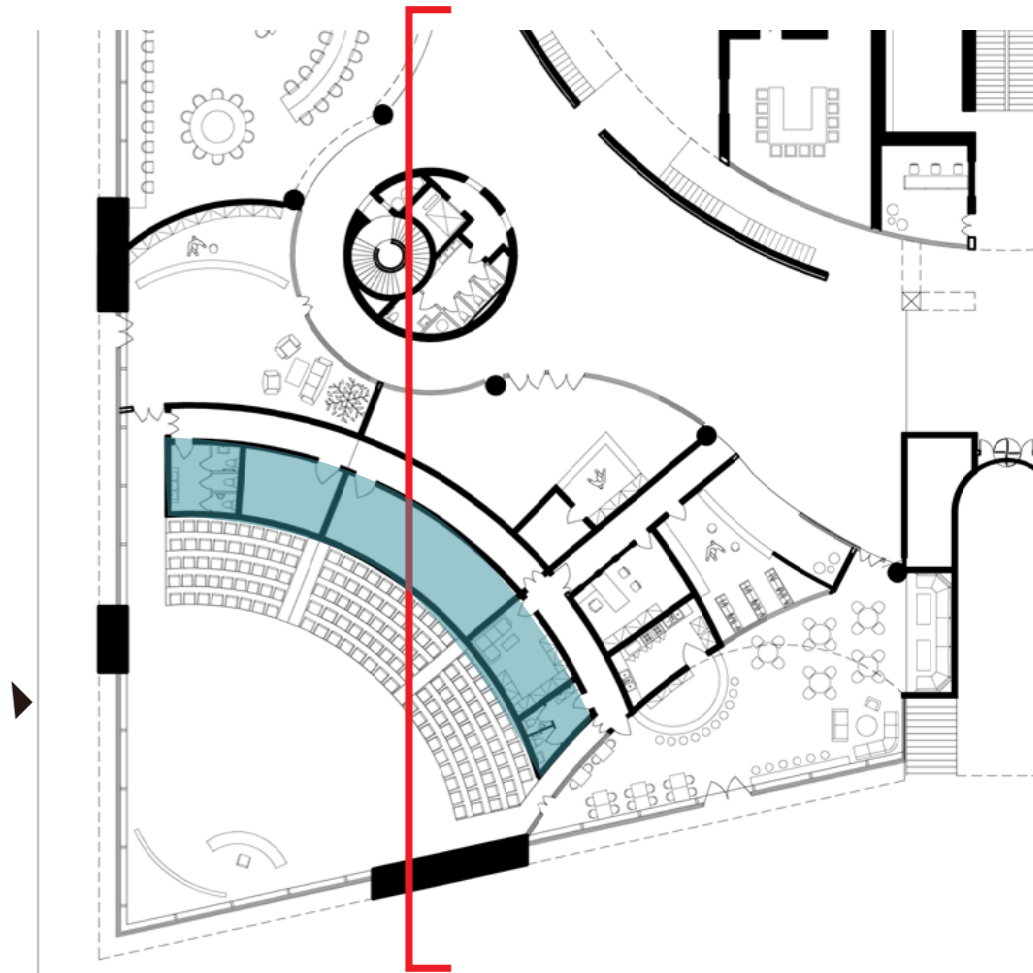
The faculty of International Business and
Management

inholland
university of
applied sciences

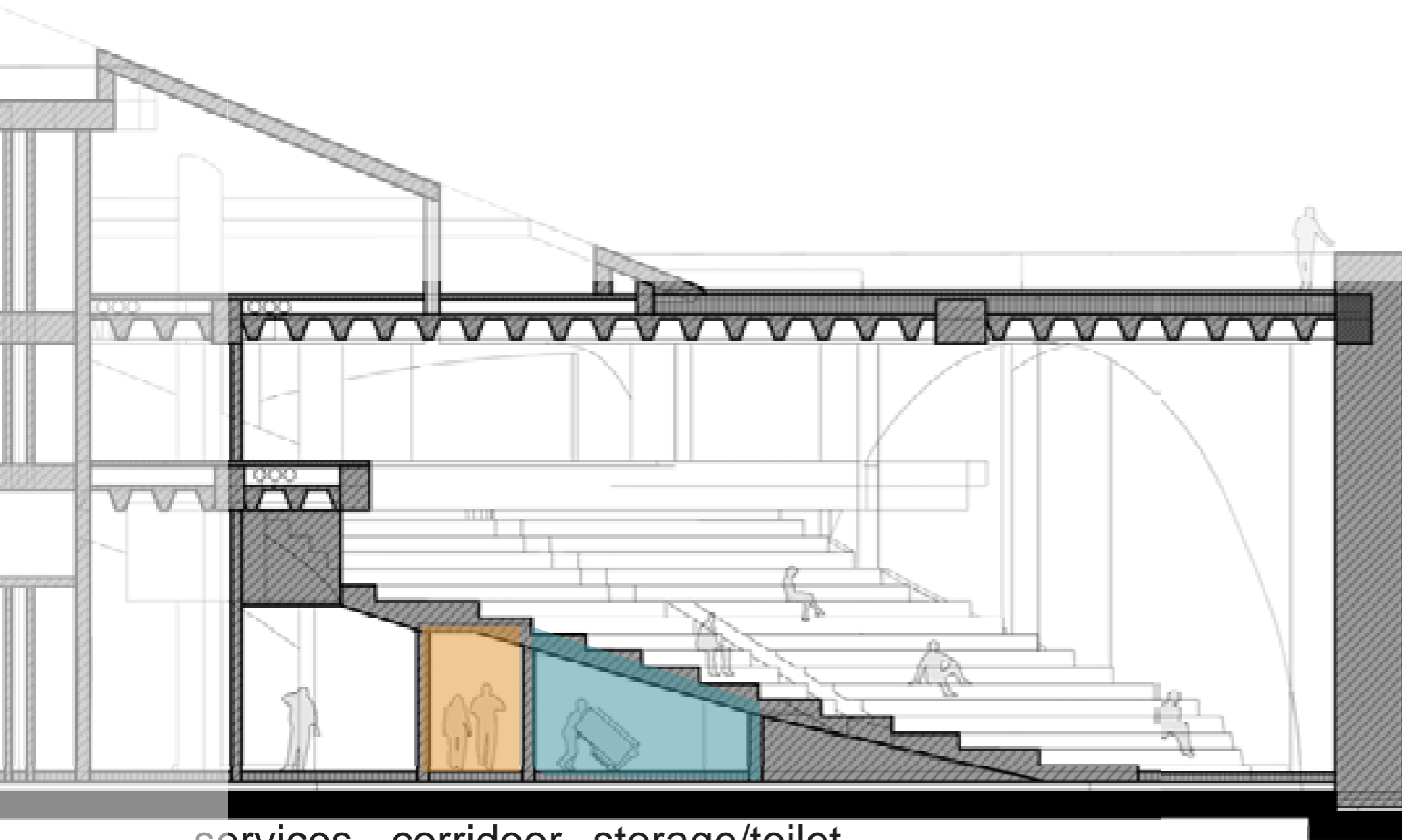
The faculty of international Business and Management usually give open courses and free lectures to the public. People can attend them after applying for it.



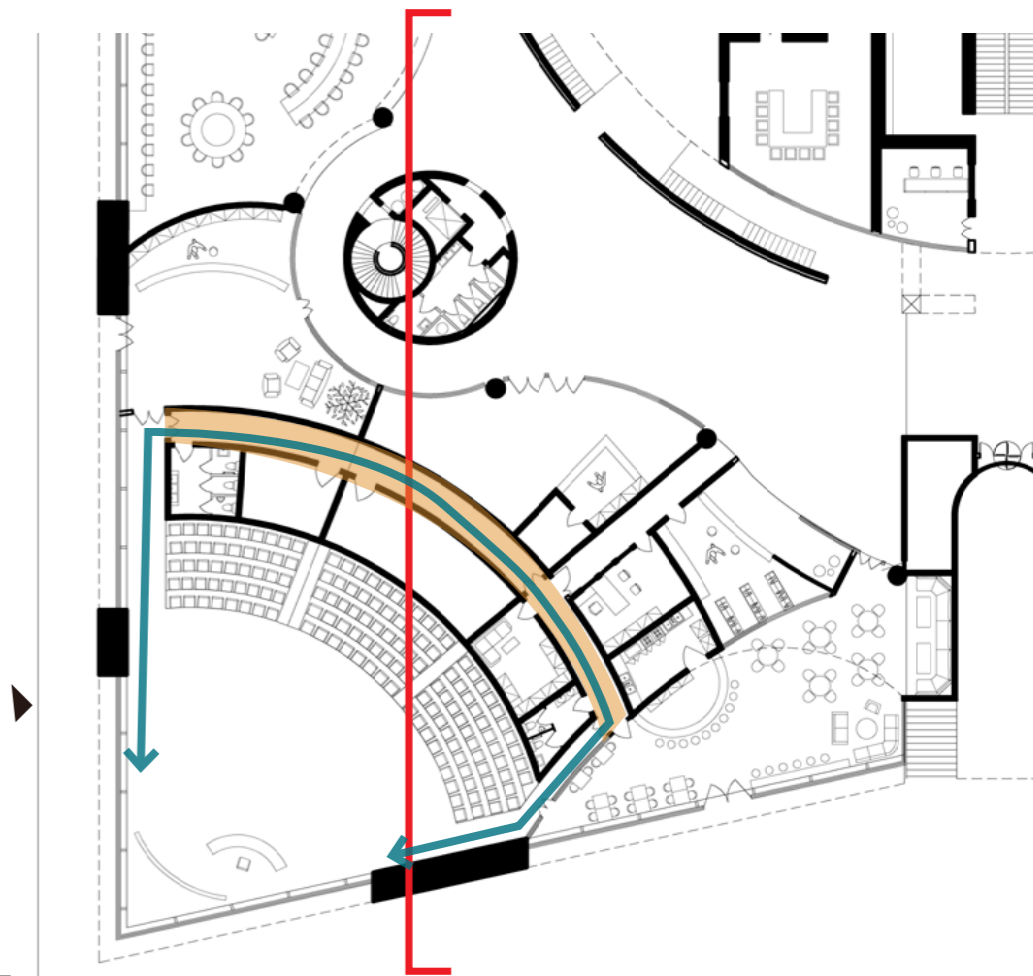
services corridor storage/toilet



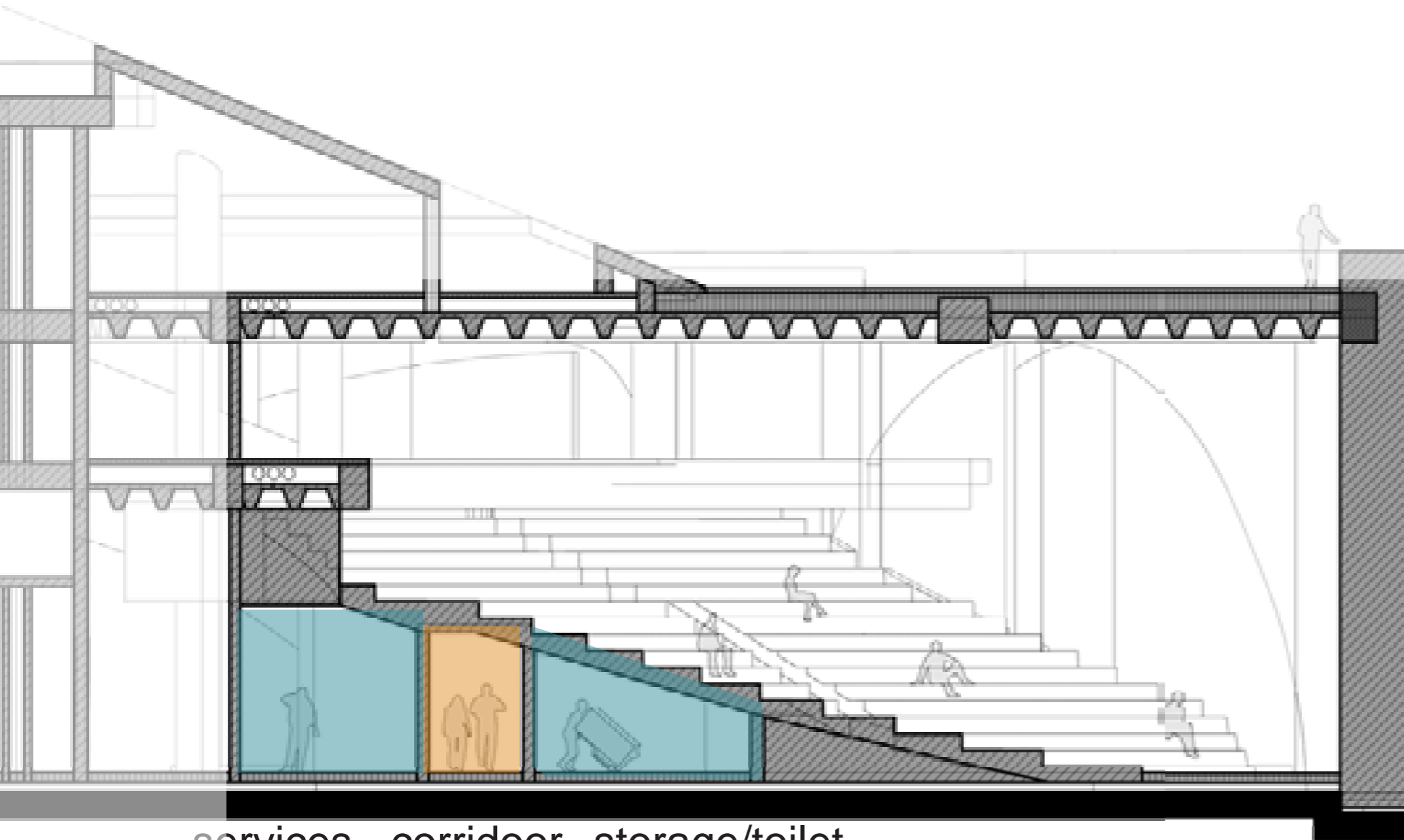
The Auditorium is **9 meters high**. The space underneath is also well used. The **lowest part** is used as the toilet and storage.



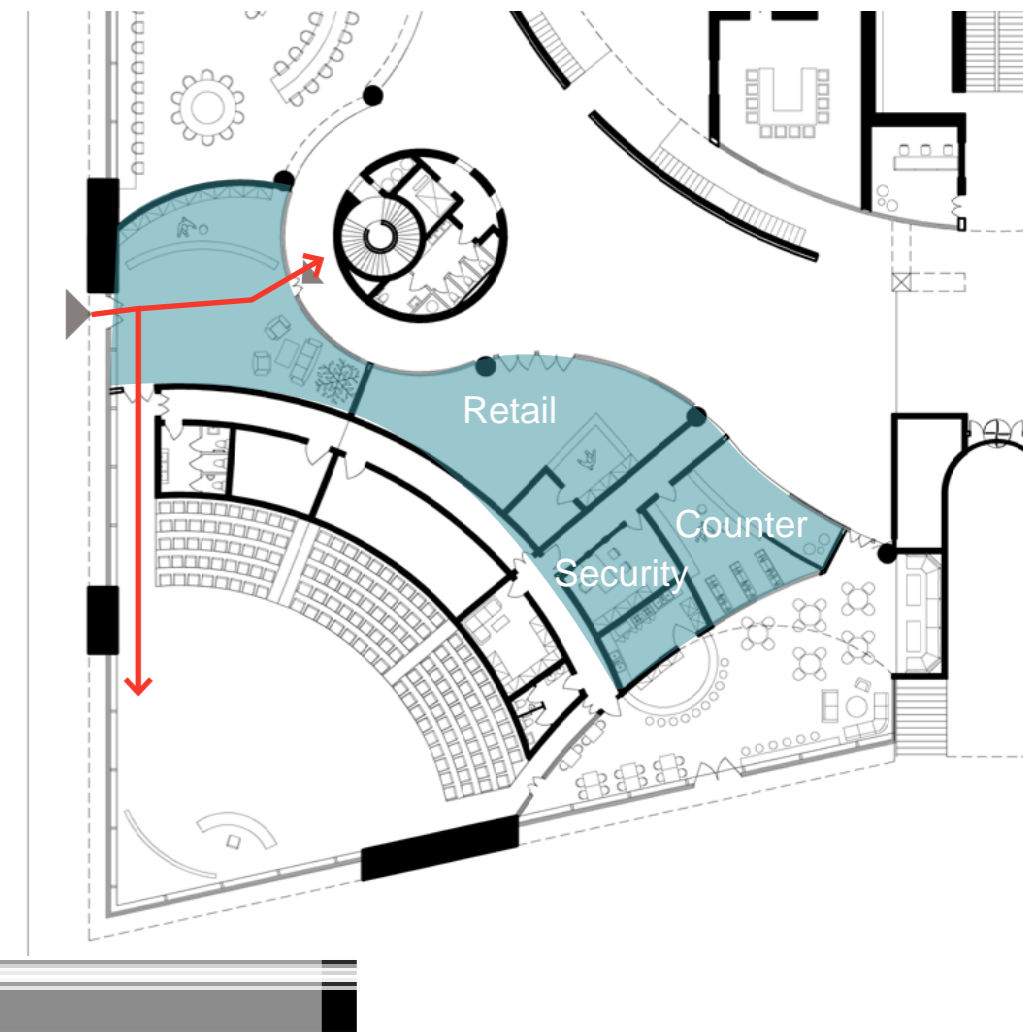
services corridor storage/toilet



Medium height work as the corridor.
People can reach their seat easily no matter enter from which direction.



services corridor storage/toilet



The **highest one** is used for the entrance and service room for the auditorium and other functions for the building. It is also connect to the lounge.

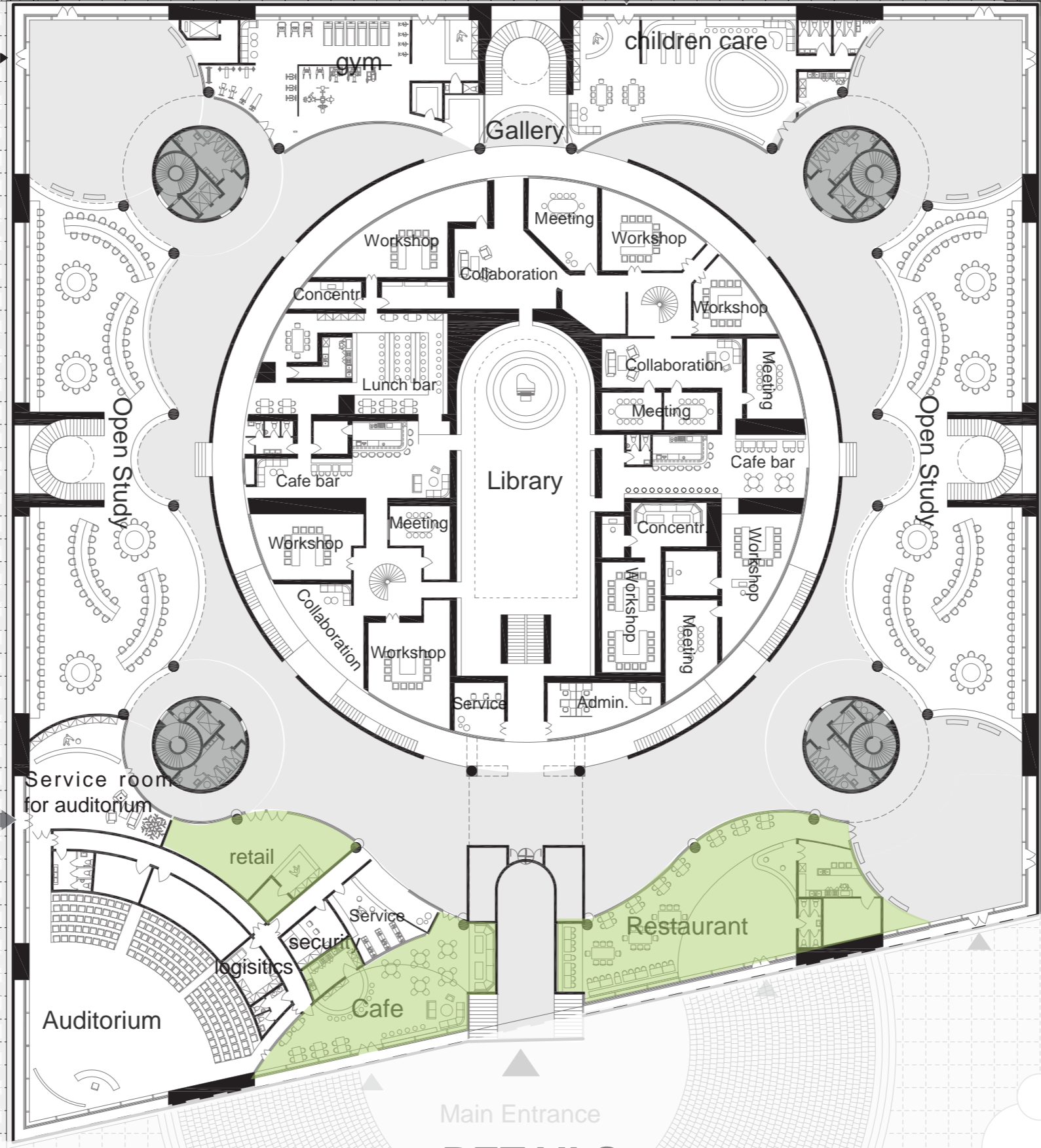


■ open desks	5500m ²
■ startup studios	2000m ²
■ meeting rooms	600m ²
■ collaboration	1000m ²
■ work-out area	1000m ²
■ social corner	1000m ²
■ workshops	1000m ²
■ club	1000m ²
■ library	900m ²
■ gallery	600m ²
■ retails	500m²
■ other facilities	2900m ²

■ lecture rooms	800m ²
■ auditorium	600m ²
■ stuff offices	200m ²
■ labs	500m ²
■ meeting room	200m ²
■ storage	300m ²
■ other facilities	1400m ²

■ University
■ (Re)start-up
■ Collaboration hub
■ Public functions

You may want to have a cup of coffee during the break of lectures



Entrance for Auditorium

Service room for auditorium

retail

Service

security

logistics

Cafe

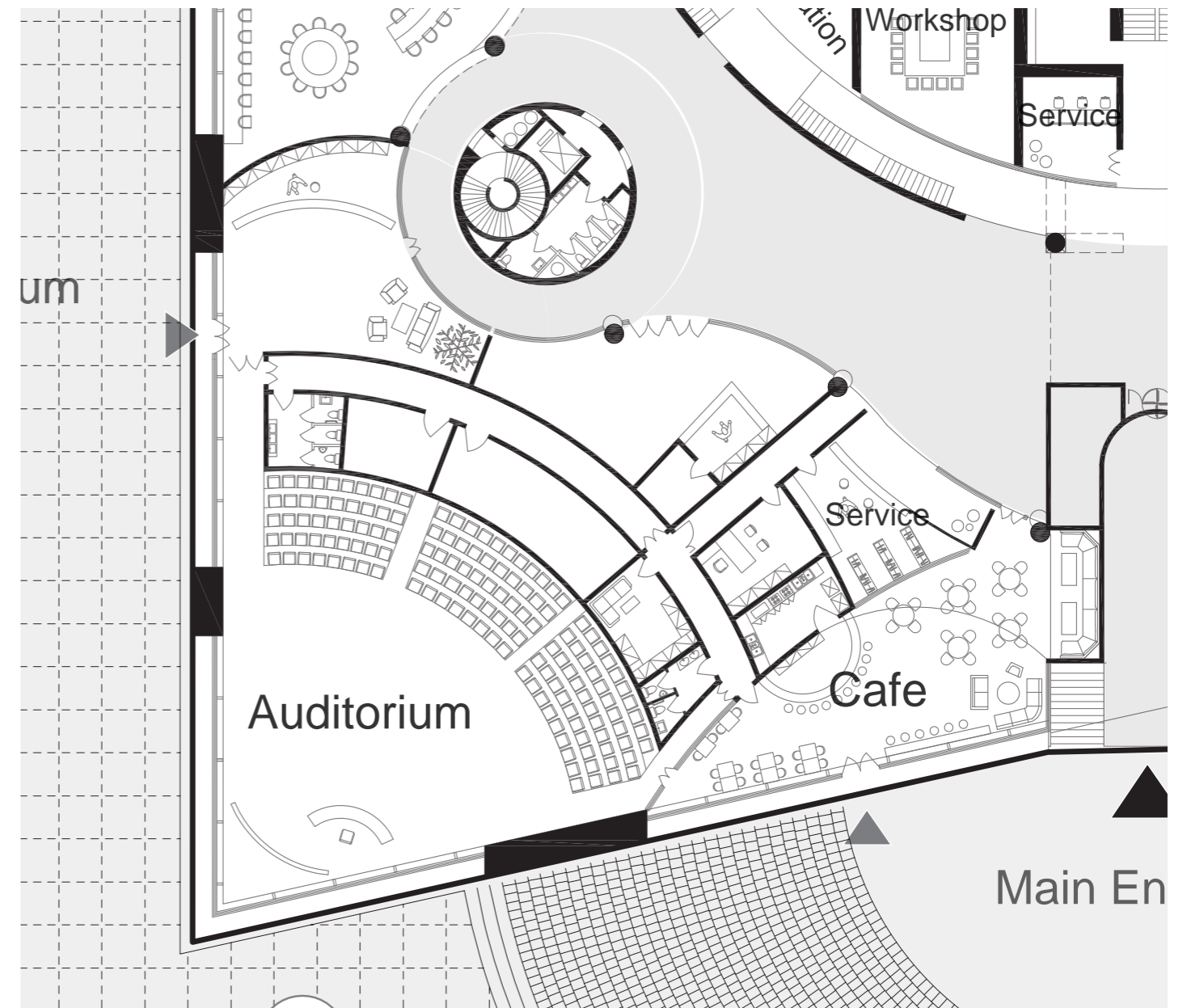
Auditorium

Restaurant

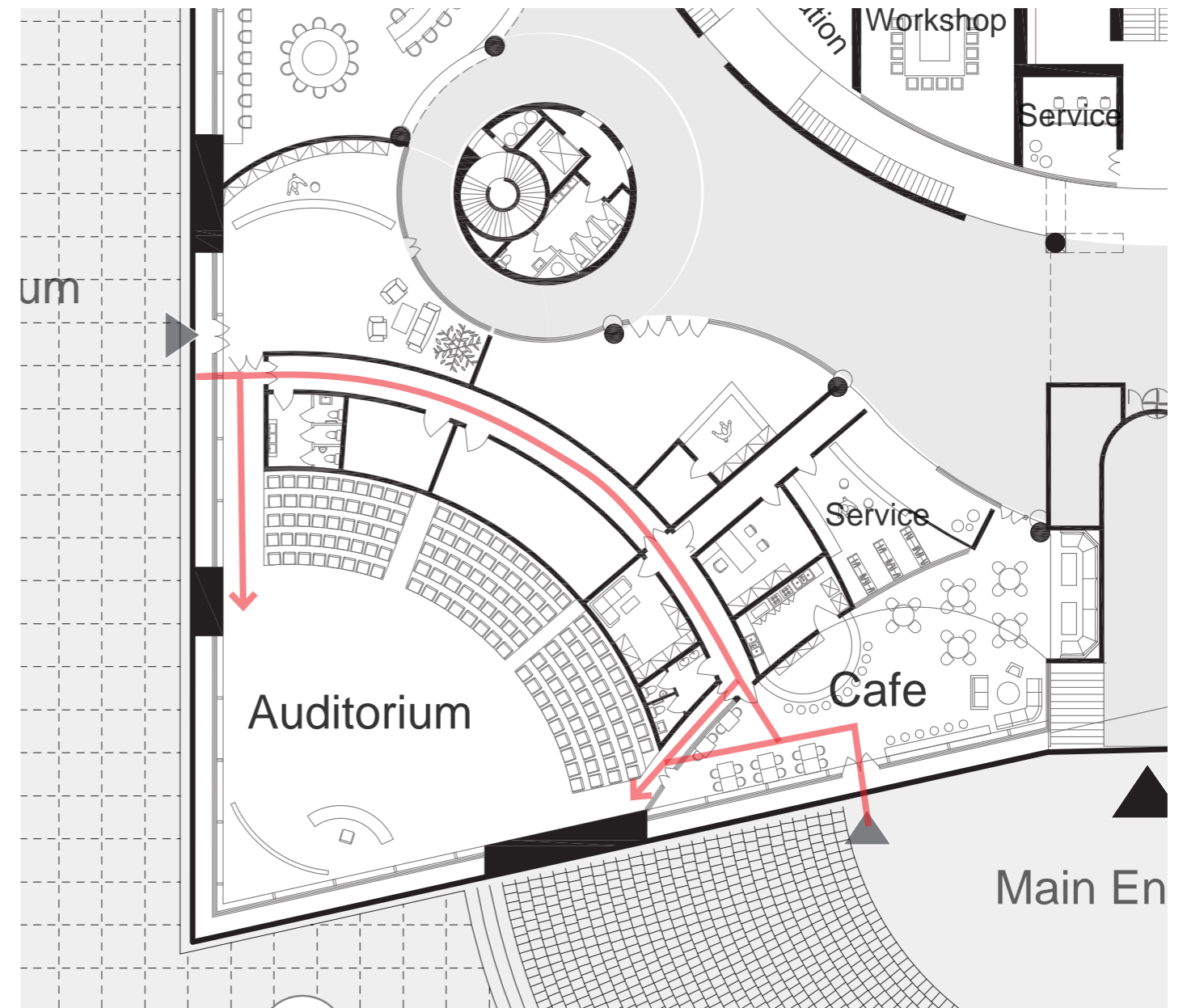
Main Entrance

RETAILS

MAIN AXIS



You can enter the cafe from the urban plaza, auditorium and the lounge.



The cafe is connected to the corridor of auditorium. You can pass by the toilet on the way you go back to your seat.

University

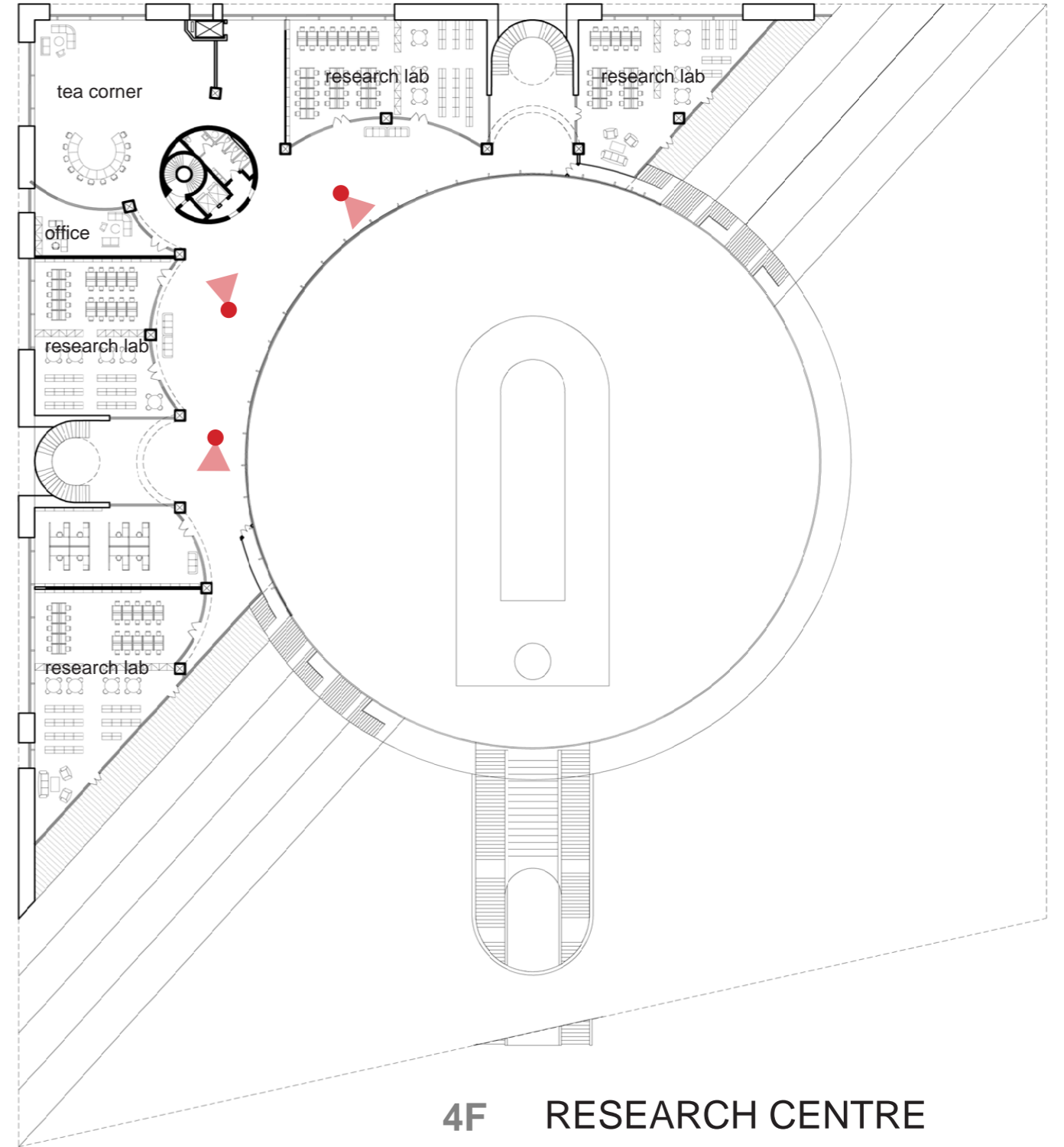
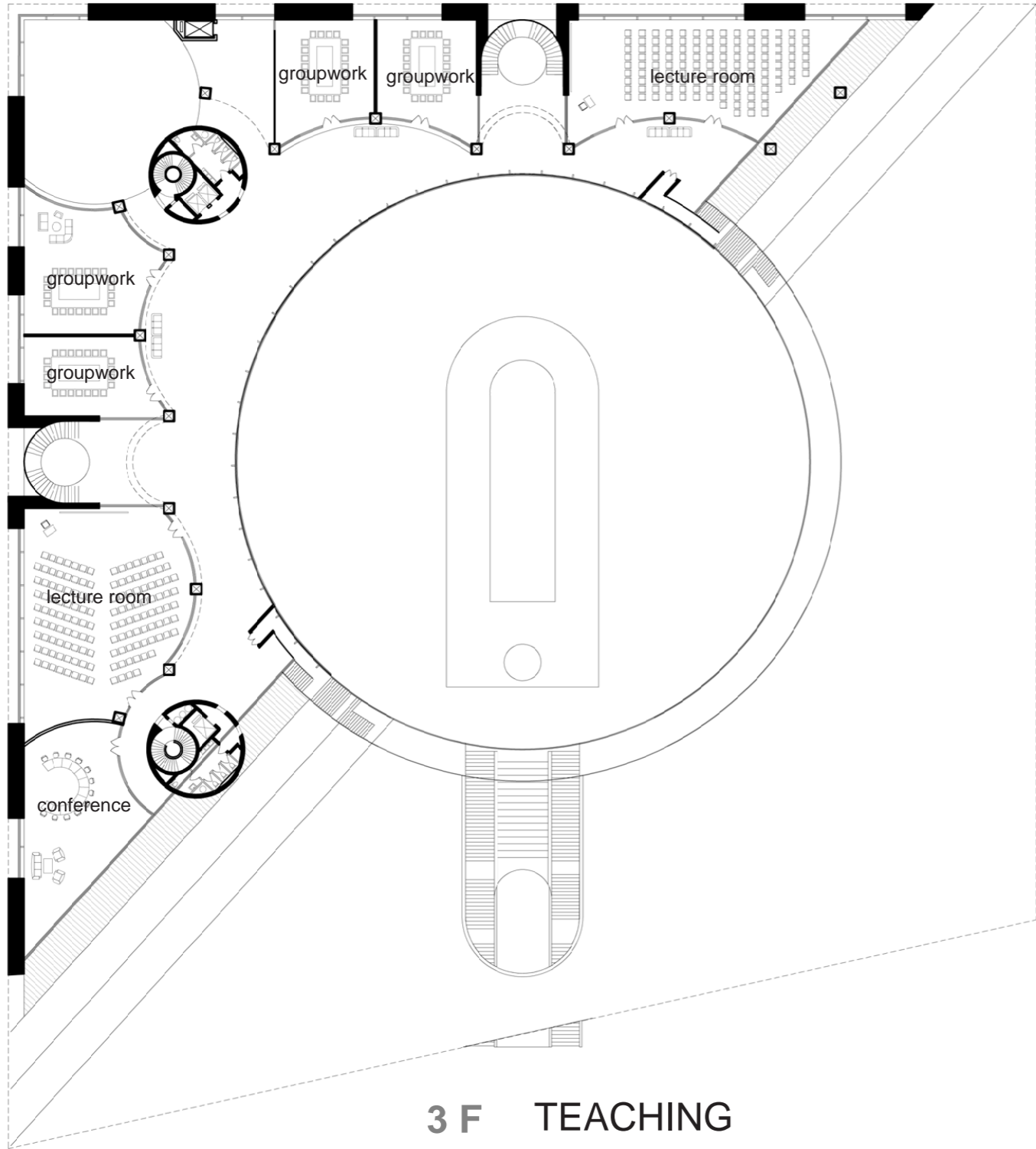


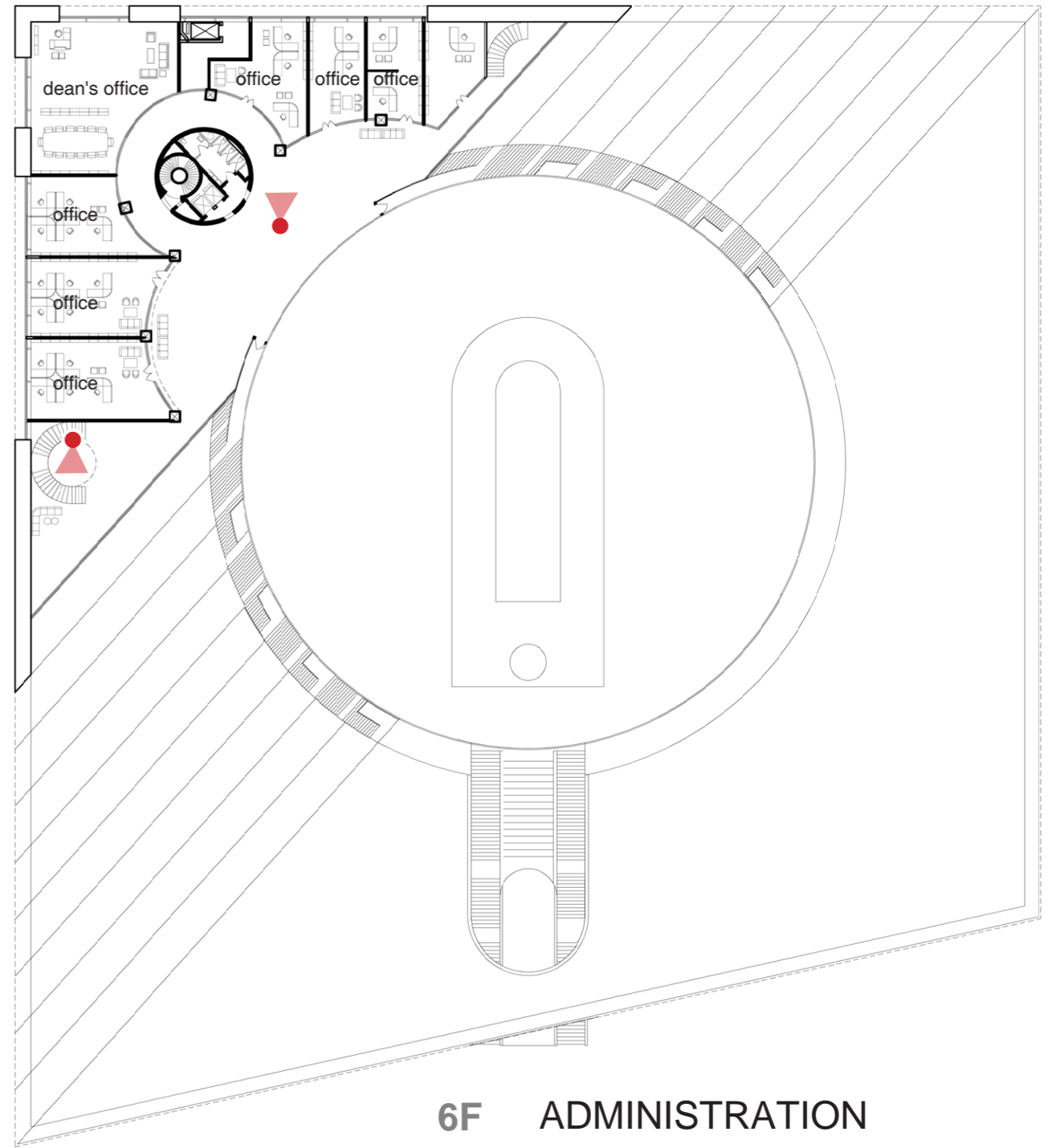
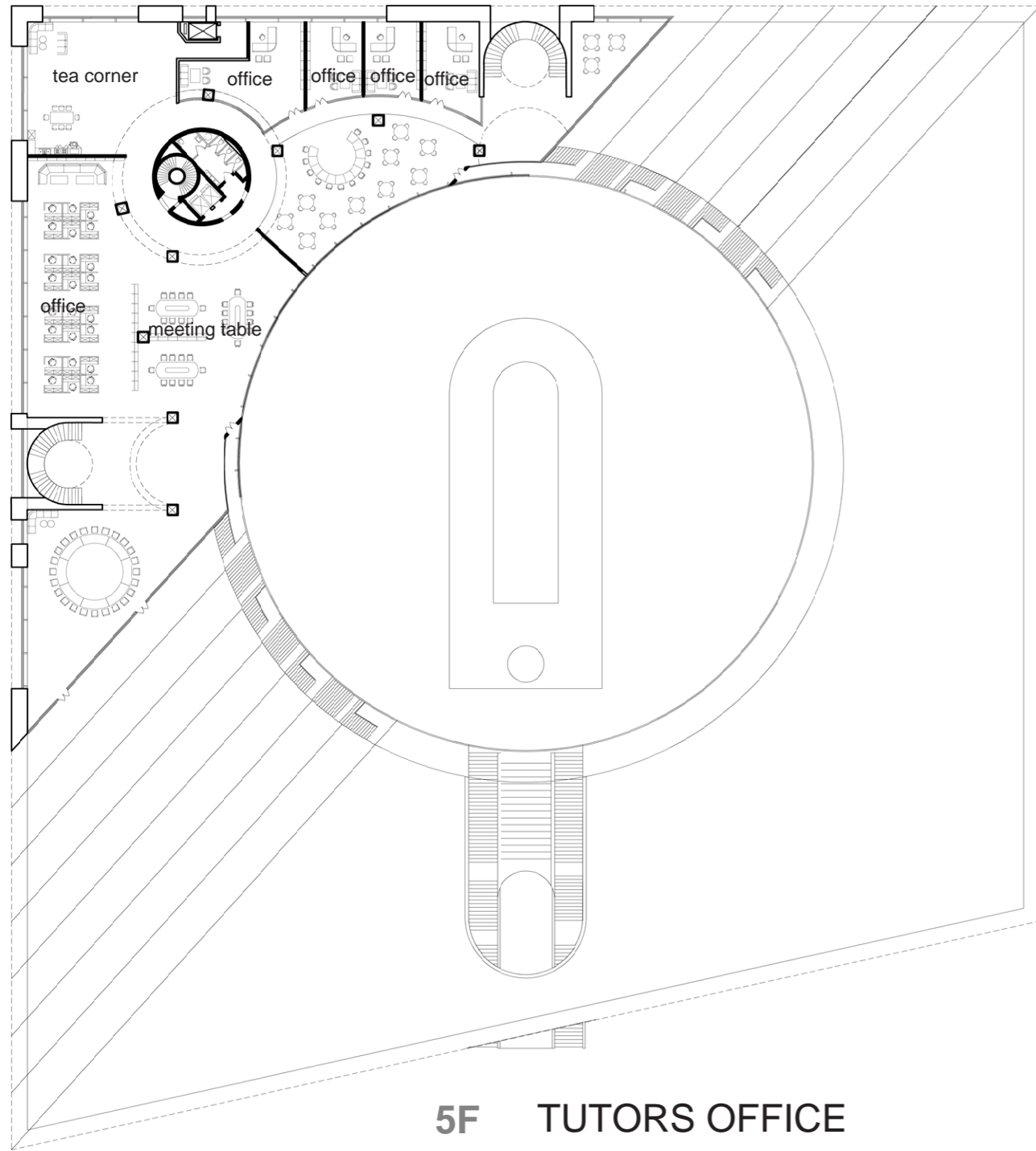
■ open desks	5500m ²	■ lecture rooms	800m ²	■ University	
■ startup studios	2000m ²	■ auditorium	600m ²	■ (Re)start-up	
■ meeting rooms	600m ²	■ stuff offices	200m ²	■ Collaboration hub	
■ collaboration	1000m ²	■ labs	500m ²	■ Public functions	
■ work-out area	1000m ²	■ meeting room	200m ²		
■ social corner	1000m ²	■ storage	300m ²		
■ workshops	1000m ²	■ other facilities	1400m ²		
■ club	1000m ²				
■ library	900m ²				
■ gallery	600m ²				
■ retails	500m ²				
■ other facilities	2900m ²				

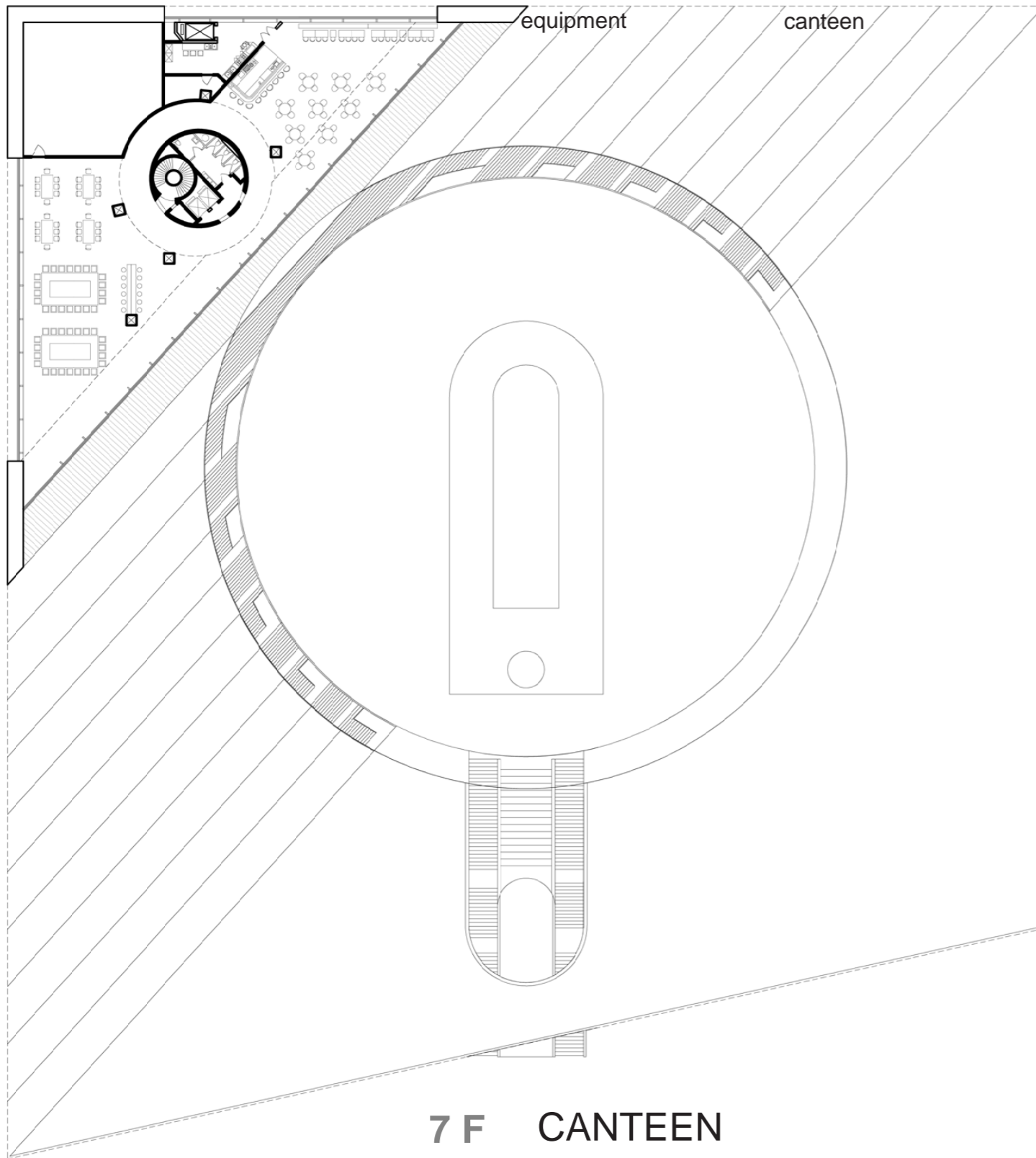
University



■ open desks	5500m ²	■ lecture rooms	800m ²	■ University	
■ startup studios	2000m ²	■ auditorium	600m ²	■ (Re)start-up	
■ meeting rooms	600m ²	■ stuff offices	200m ²	■ Collaboration hub	
■ collaboration	1000m ²	■ labs	500m ²	■ Public functions	
■ work-out area	1000m ²	■ meeting room	200m ²		
■ social corner	1000m ²	■ storage	300m ²		
■ workshops	1000m ²	■ other facilities	1400m ²		
■ club	1000m ²				
■ library	900m ²				
■ gallery	600m ²				
■ retails	500m ²				
■ other facilities	2900m ²				









RESEARCHING

TEACHING

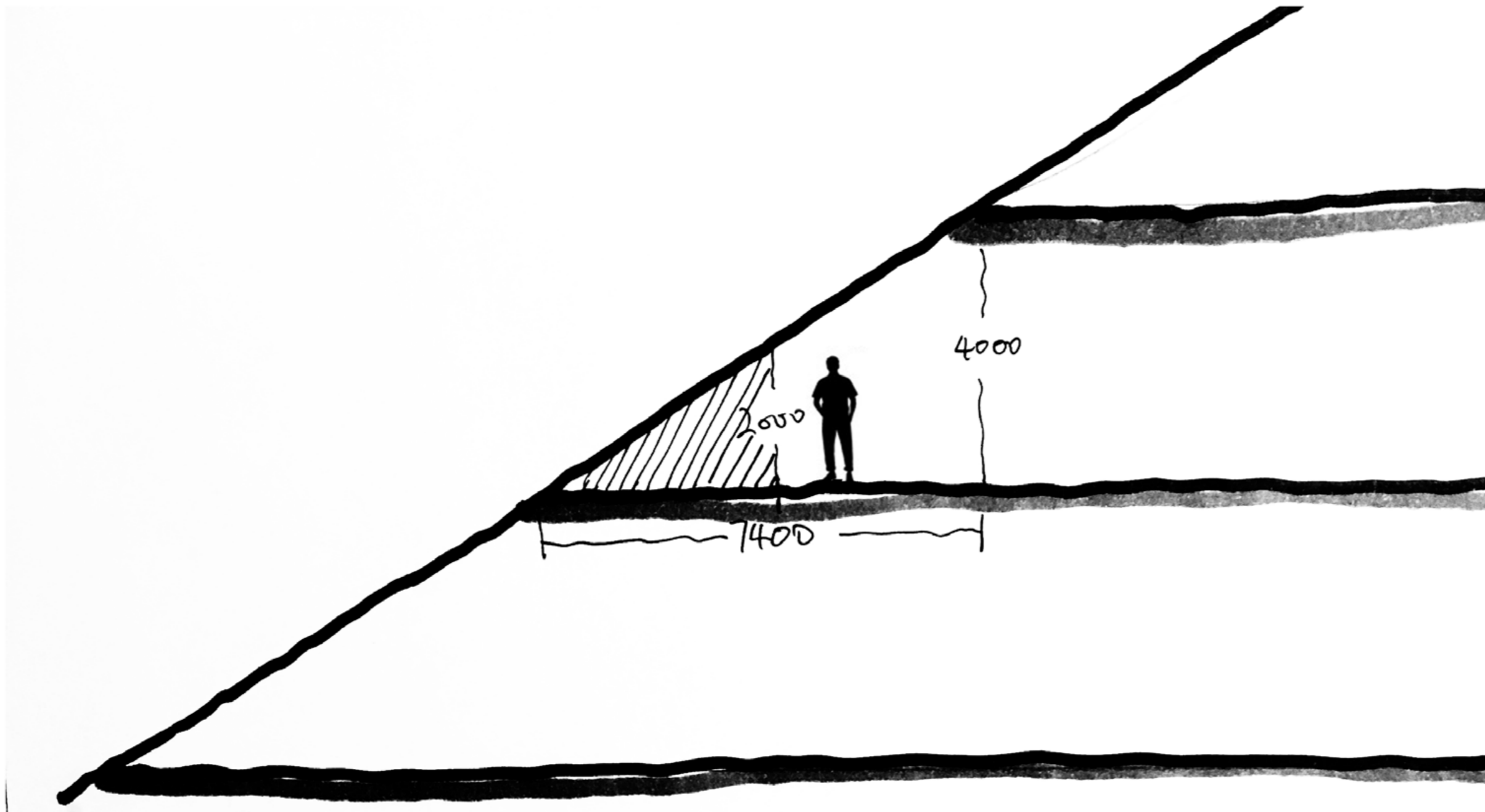


Four-Floors-Height Aduatrium at the corner. To provide a nice view and best ventilation.

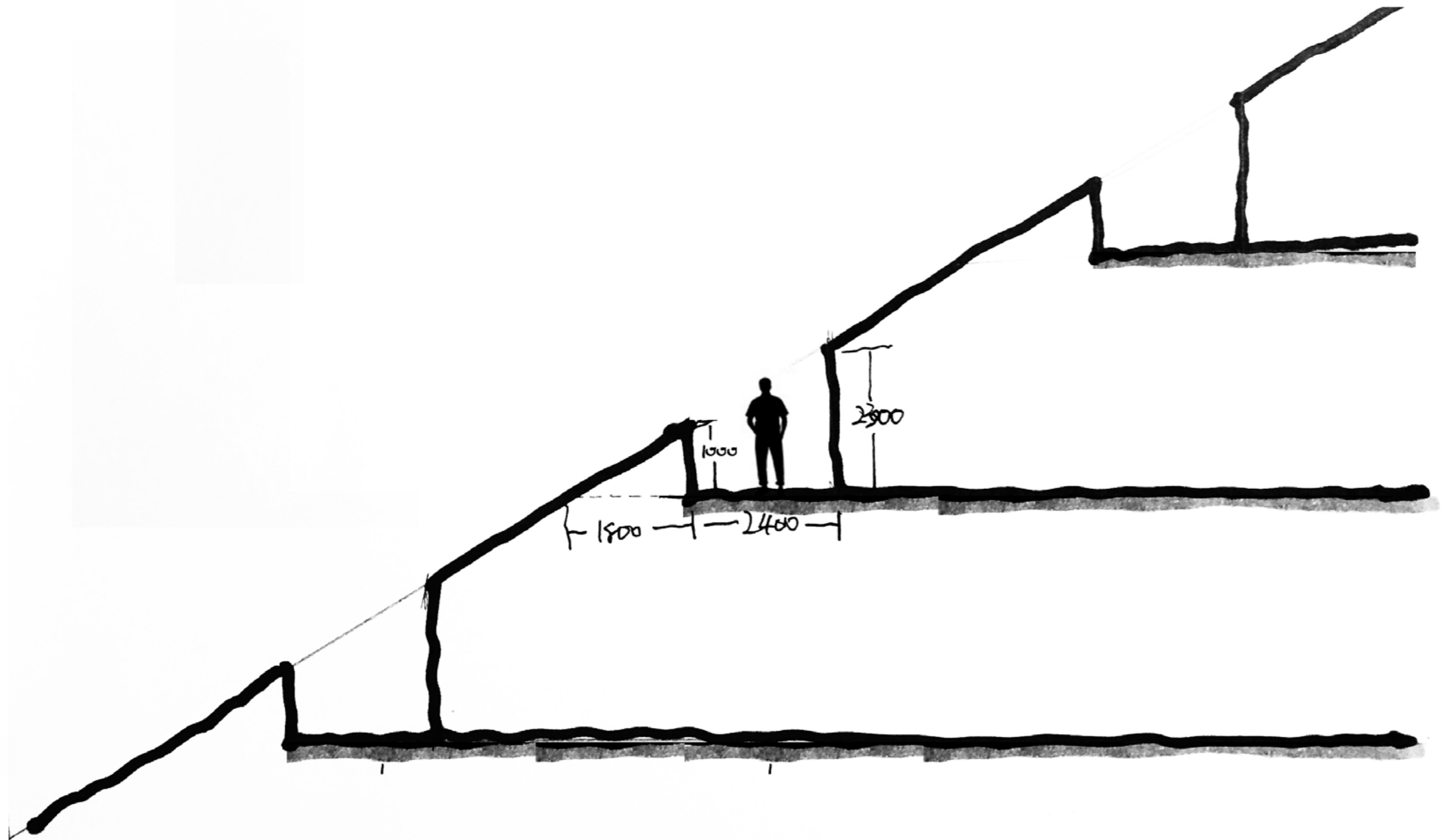


The curved glass walls provides a continuation space of the lounge.

You can always find a space for group meeting and discussion somewhere.



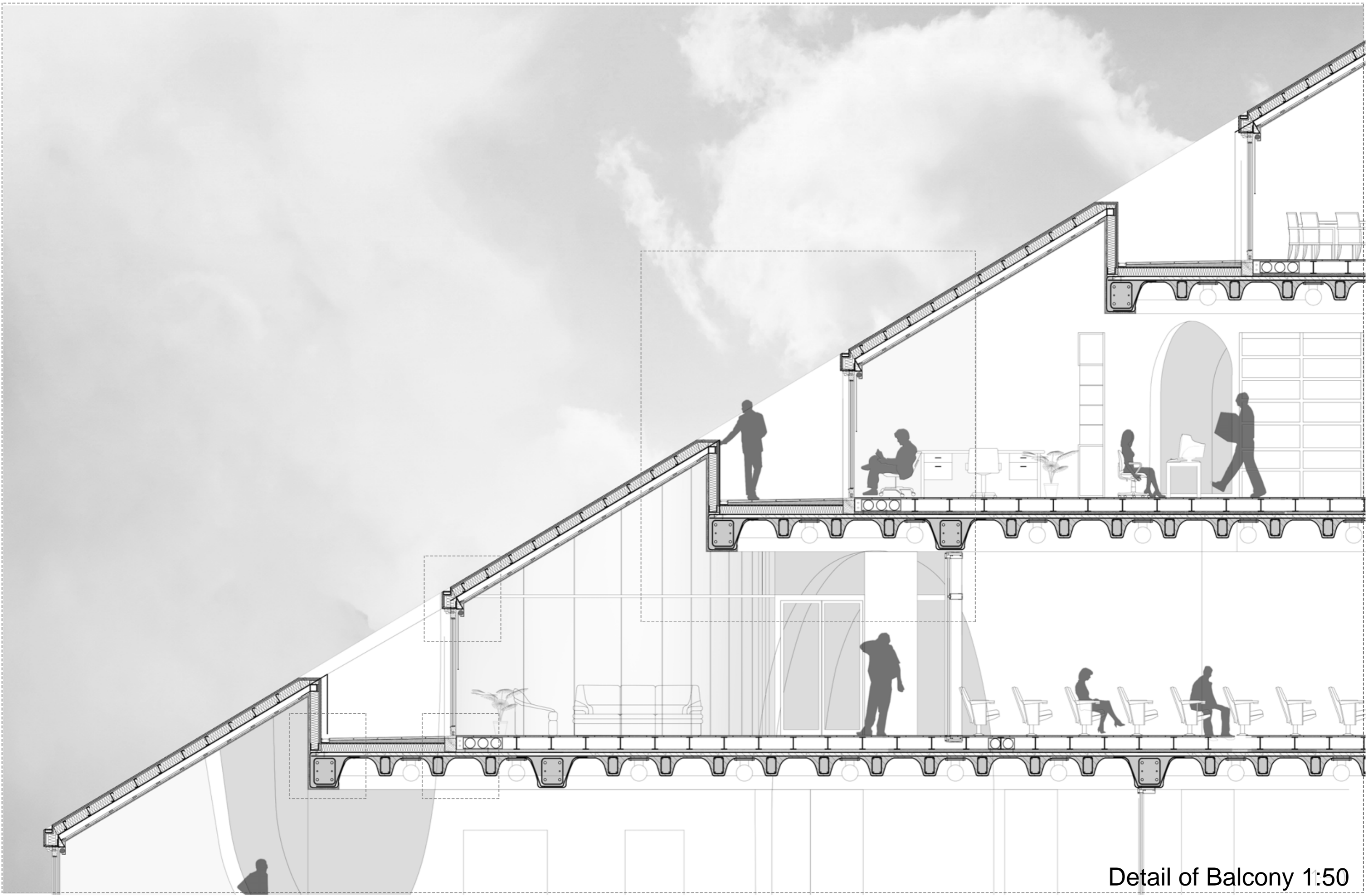
Triangle space hard to use



Solution

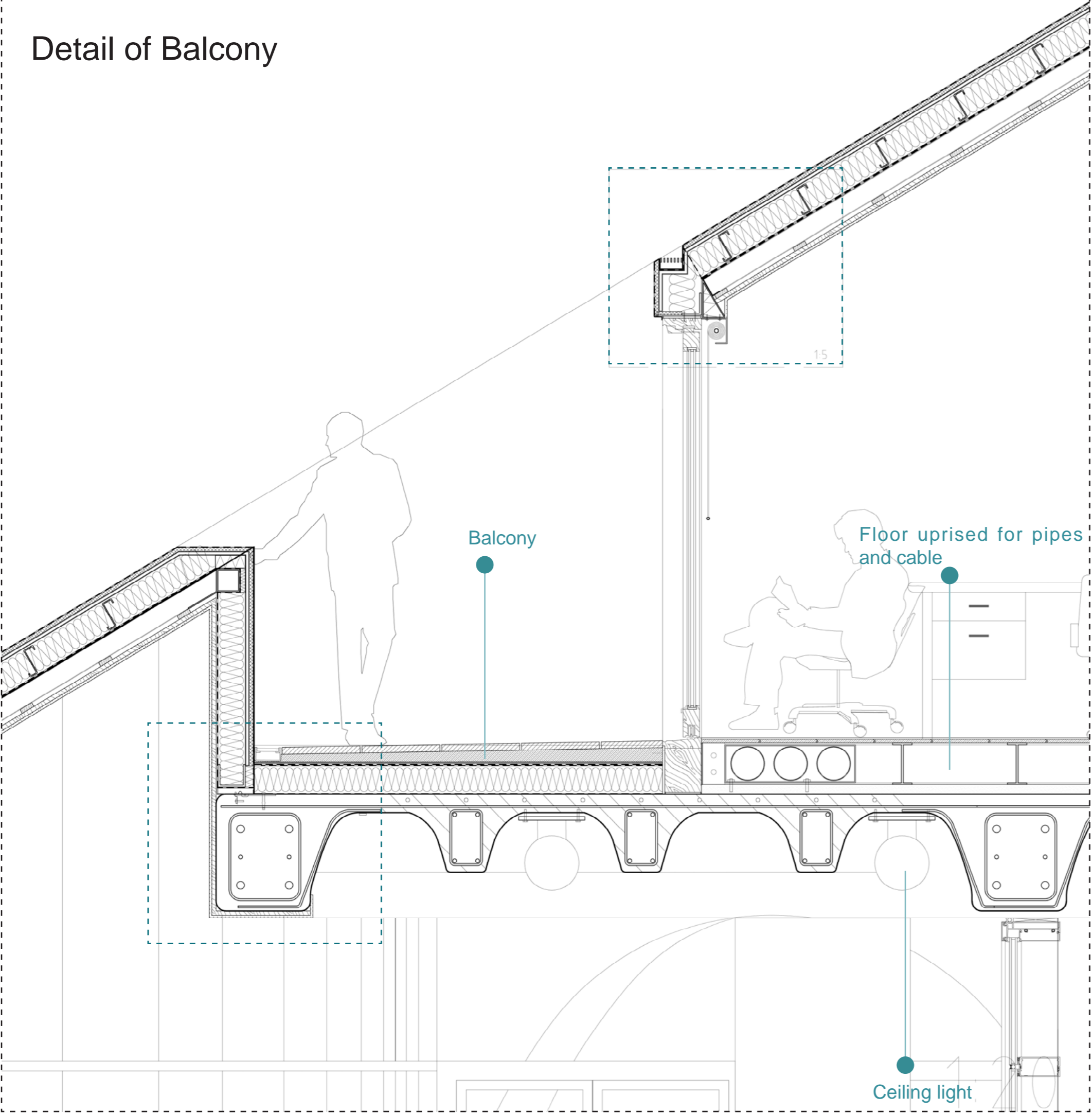


The balconies provide a good view to the roof garden and the whole city.



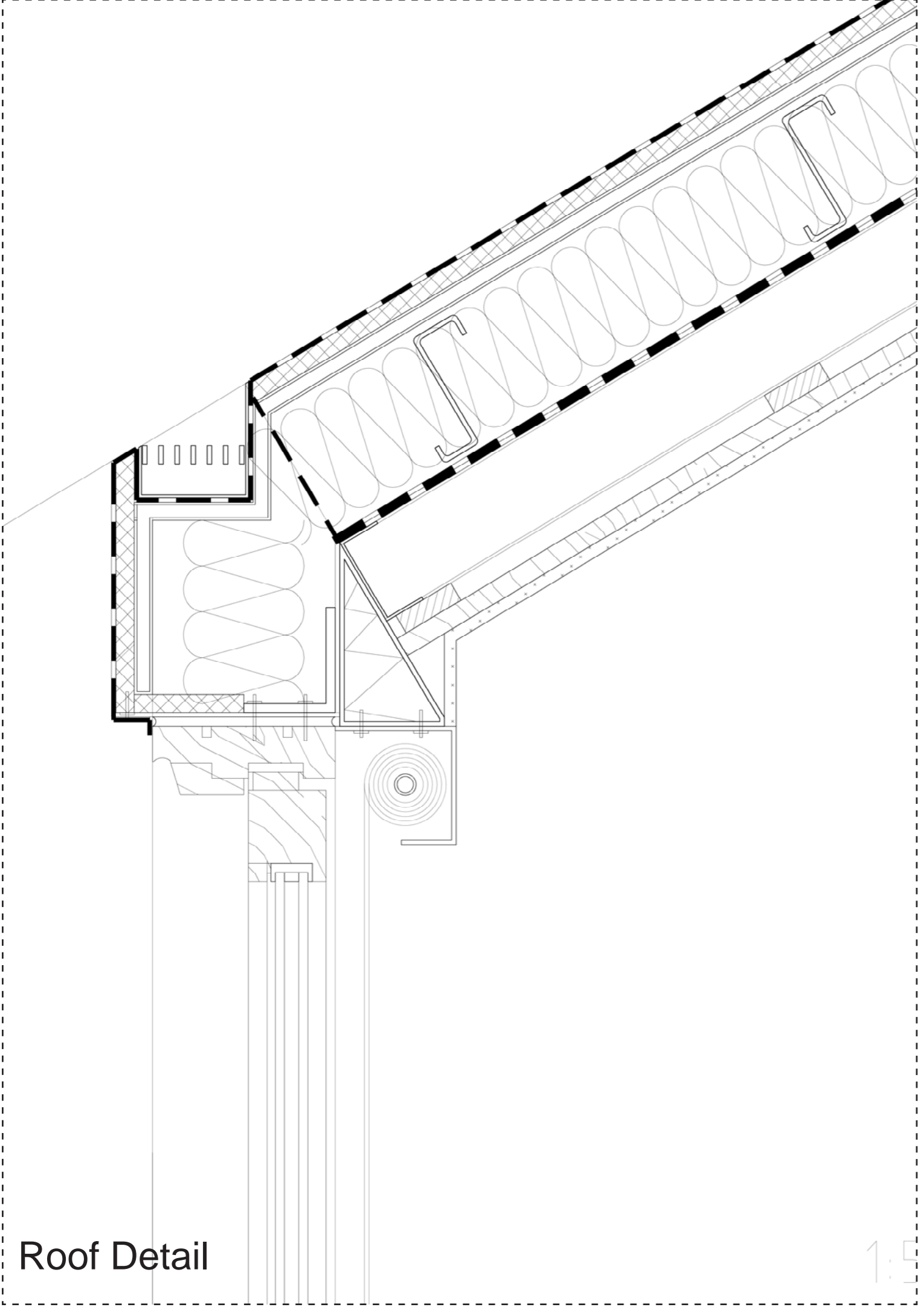
Detail of Balcony 1:50

Detail of Balcony



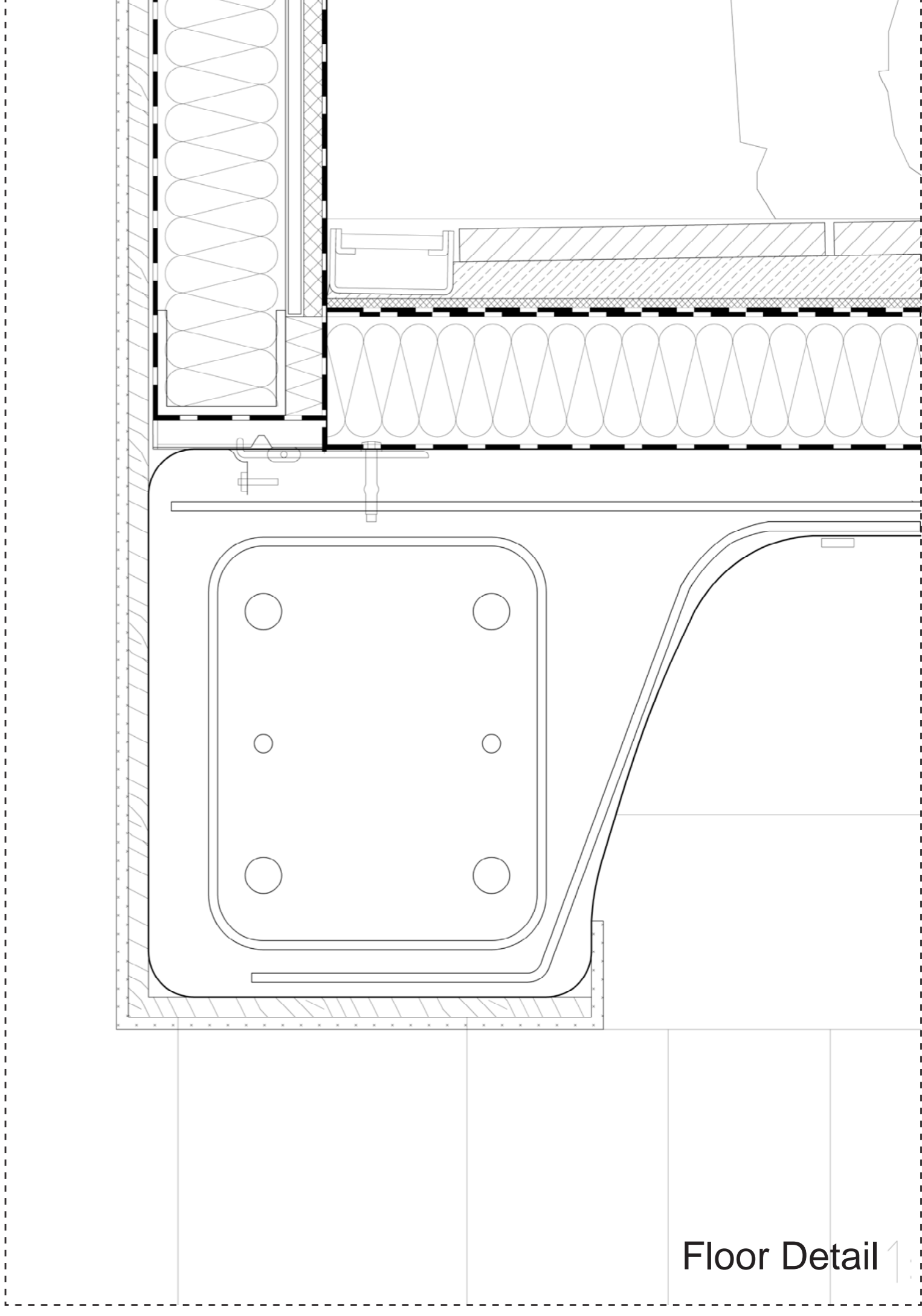
Roof reference:
Summerhouse Lagnö



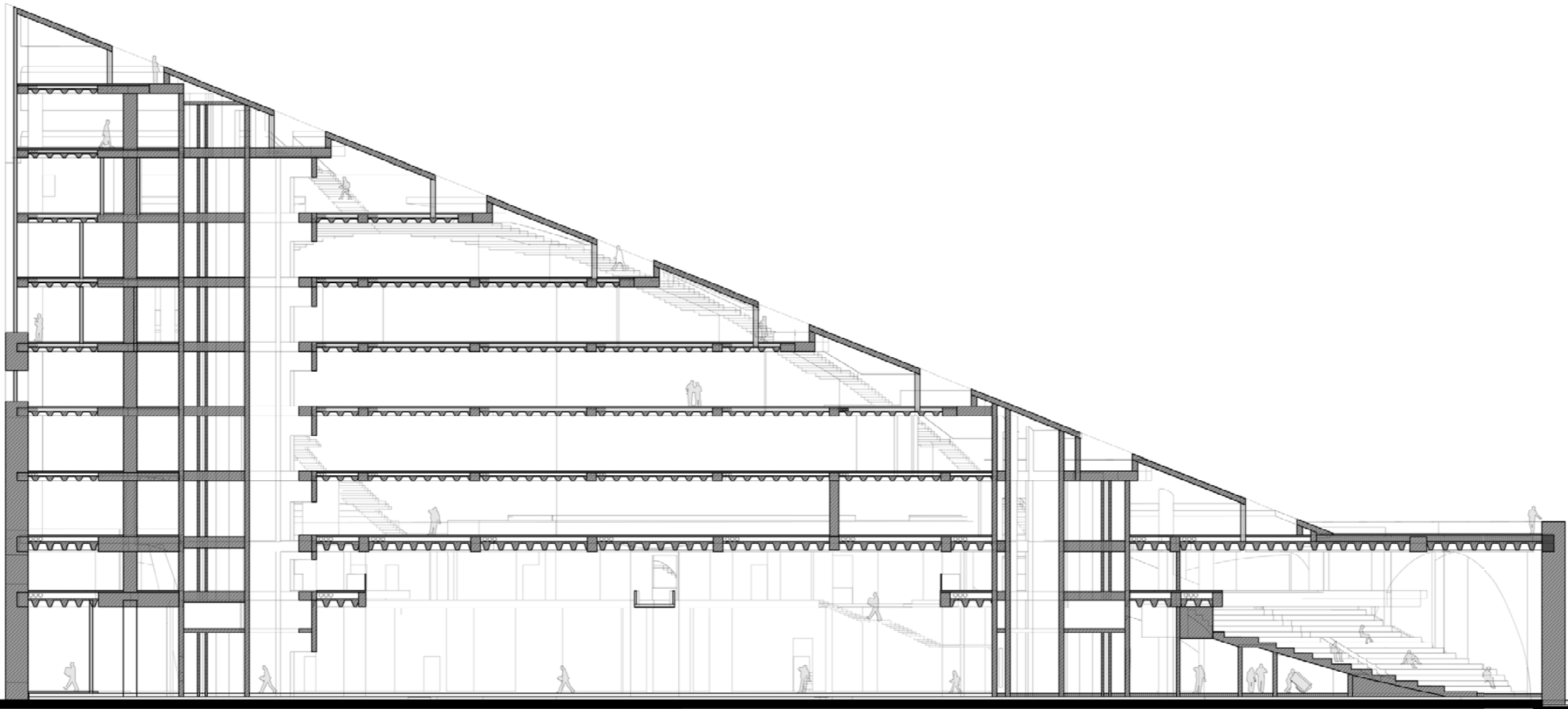


Roof Detail

1:5



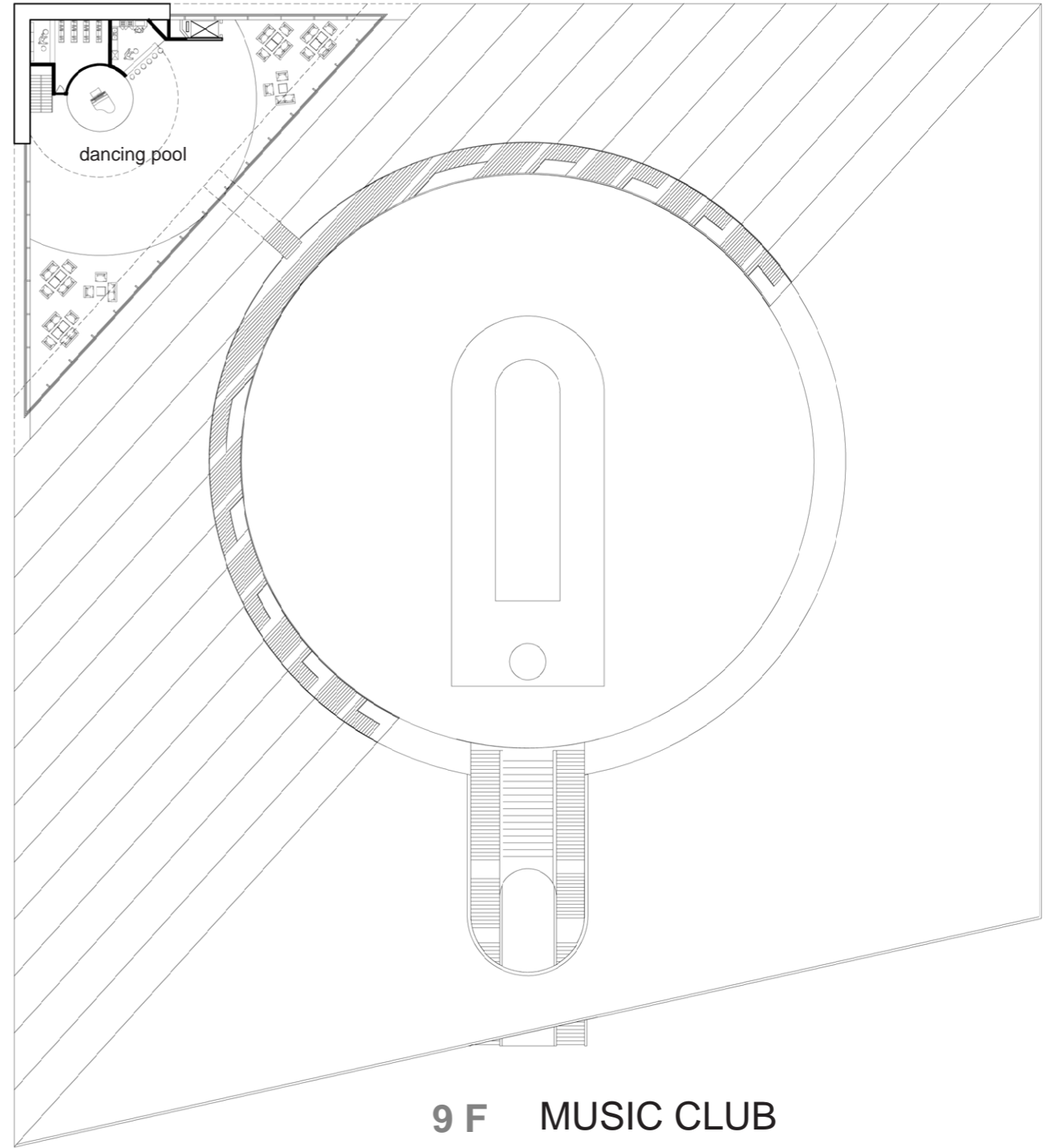
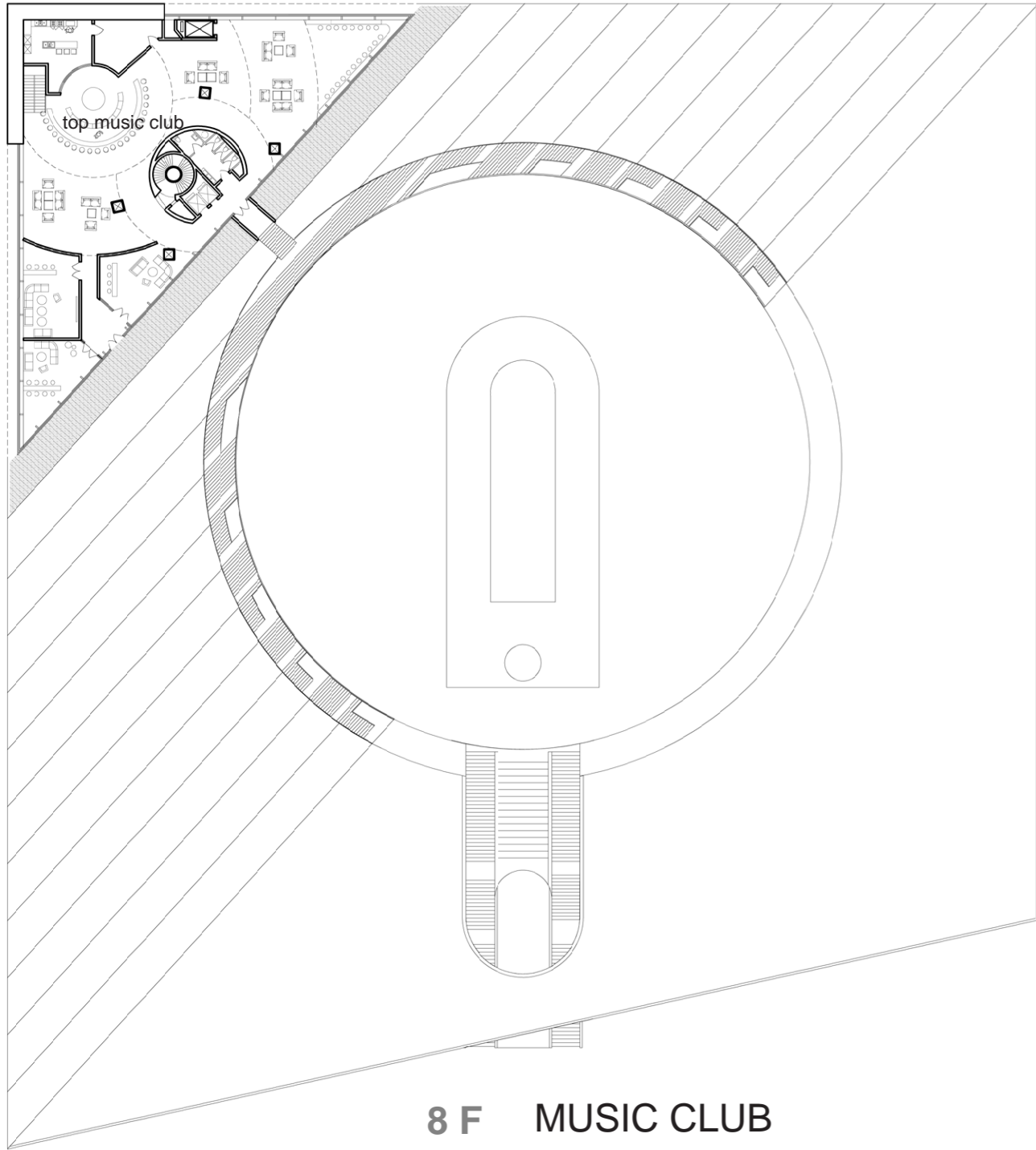
Floor Detail 1:



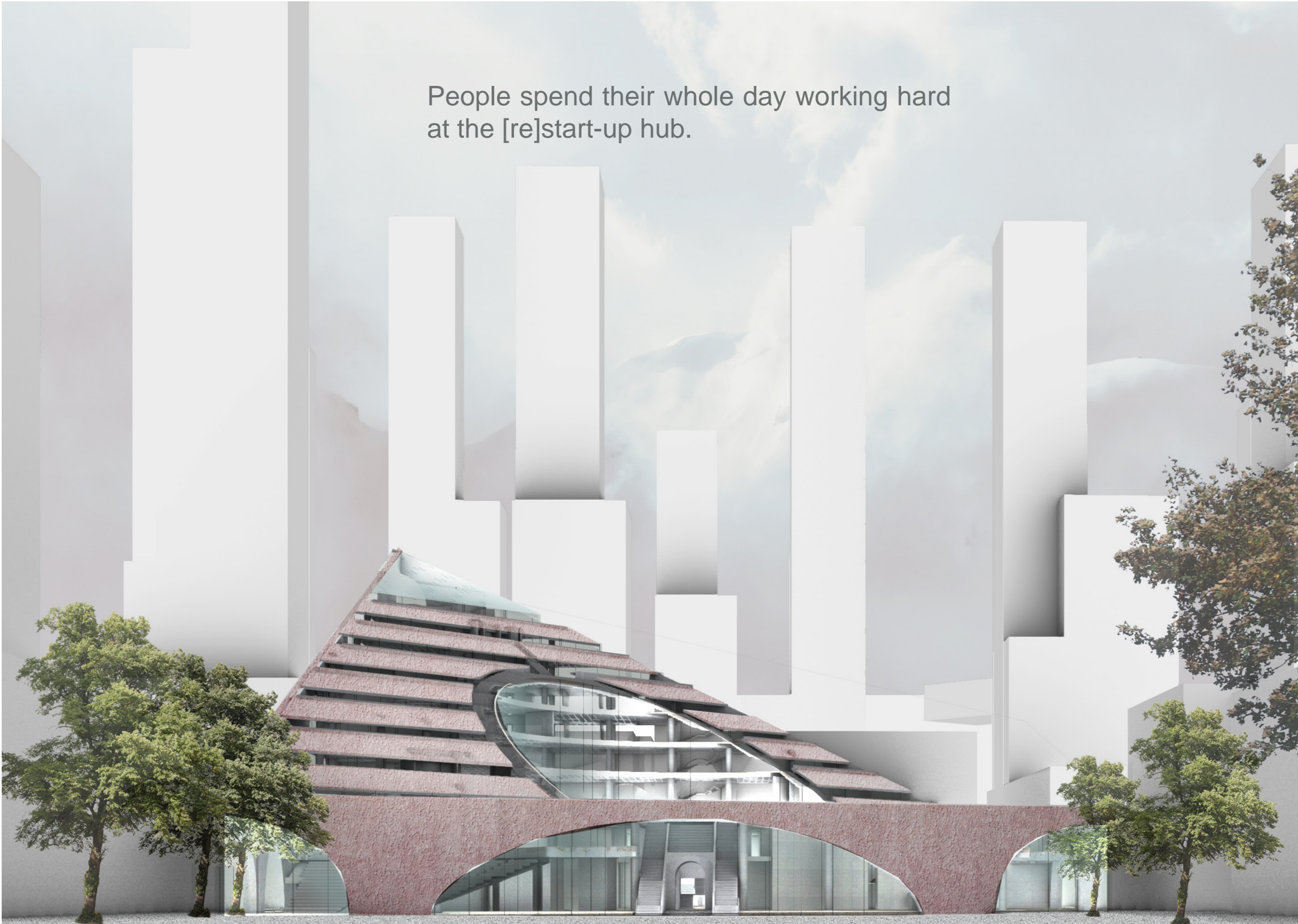
RECREATION



■ open desks	5500m ²	■ lecture rooms	800m ²	■ University	
■ startup studios	2000m ²	■ auditorium	600m ²	■ (Re)start-up	
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■ library	900m ²				
■ gallery	600m ²				
■ retails	500m ²				
■ other facilities	2900m ²				



People spend their whole day working hard
at the [re]start-up hub.



During the night, the top music bar is a good choice to refresh up in music and the urban view.



**STRUCTURE
&
CONSTRUCTION DETAILS**

Main load bearing structure

51m

● Concrete Core

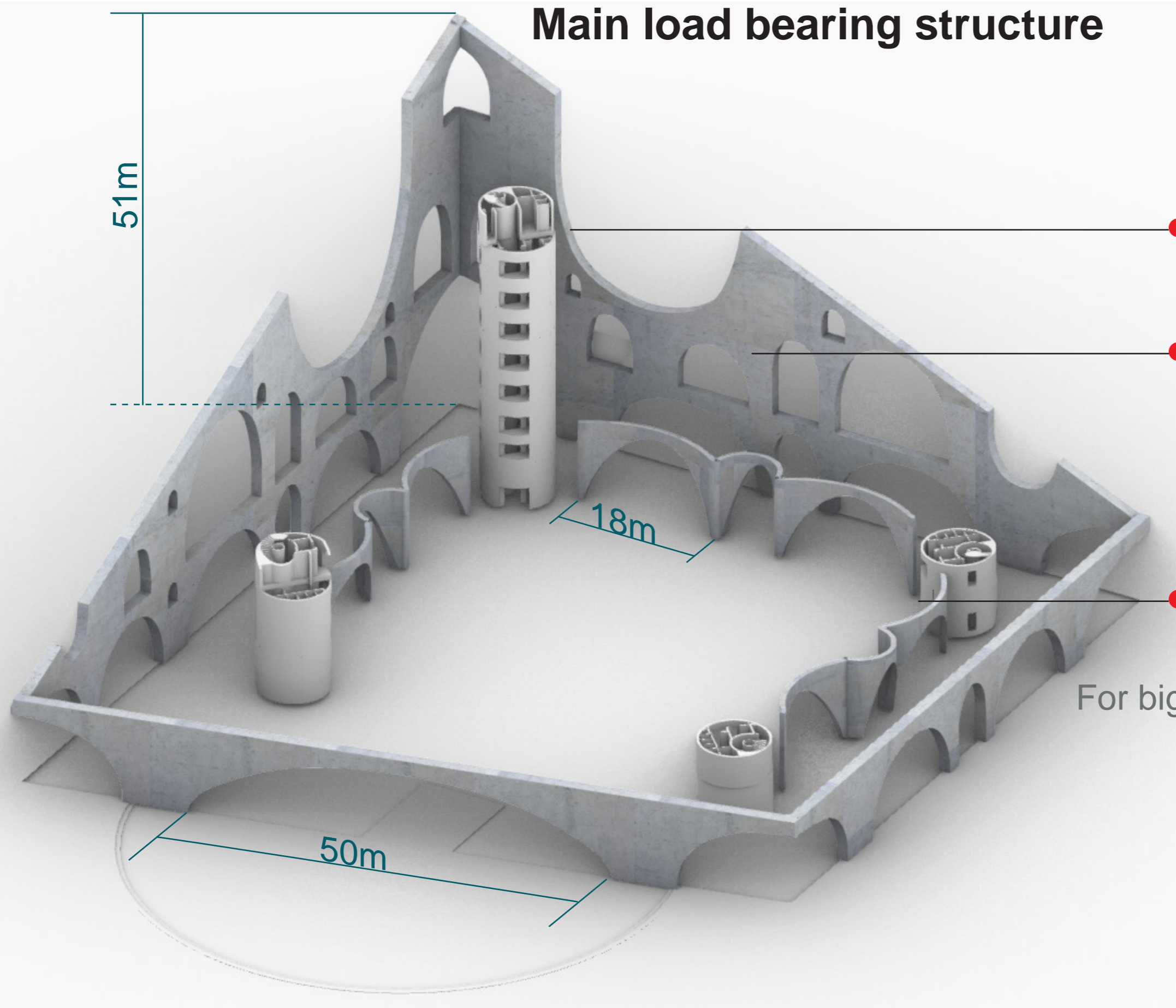
● Concrete Wall

● Arches
(Steel+Concrete frame)

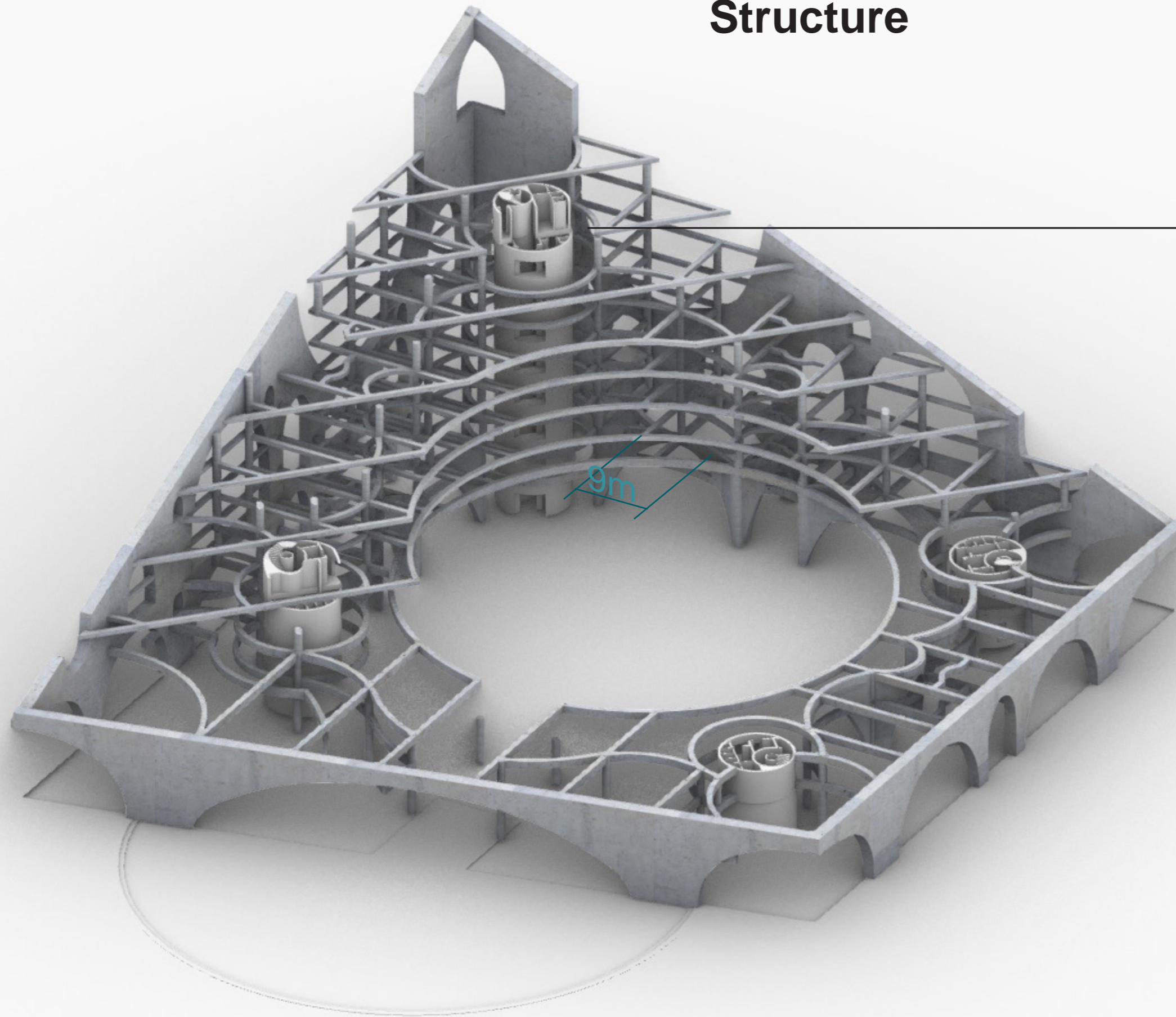
For big space with no columes

18m

50m

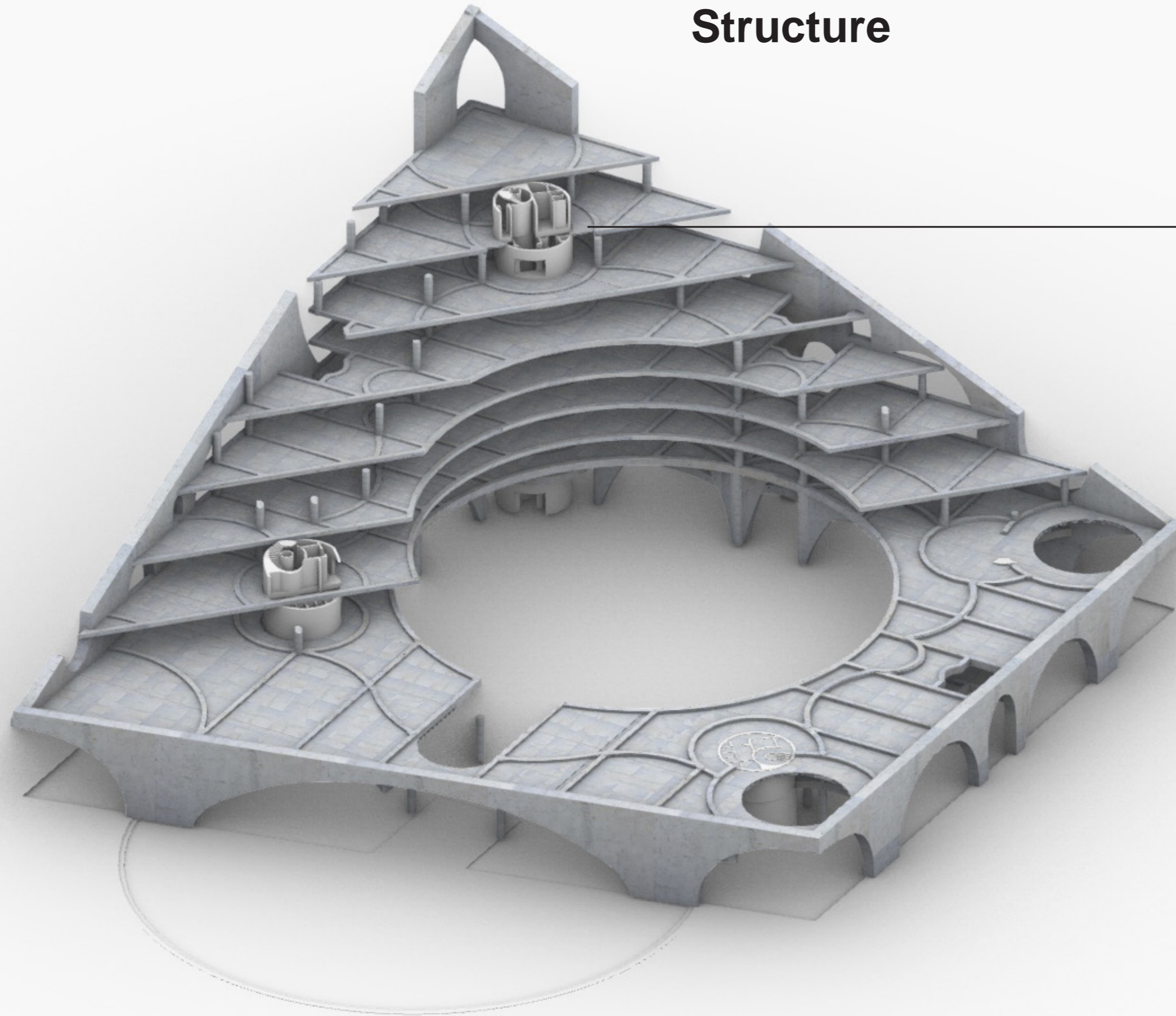


Structure

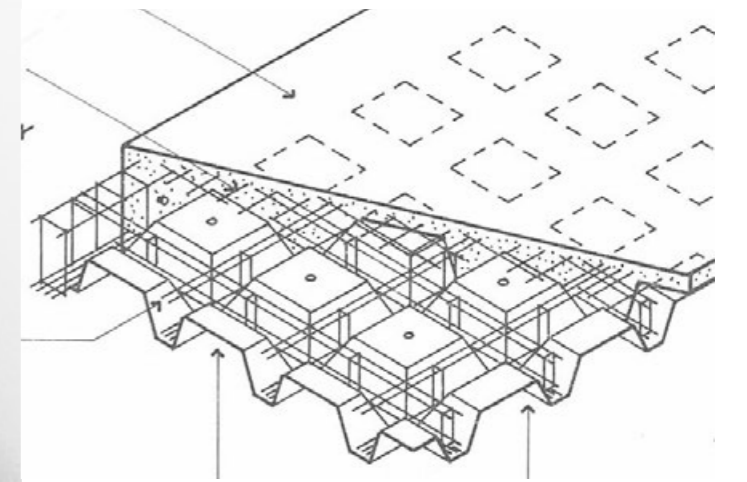


● Columns and Beams

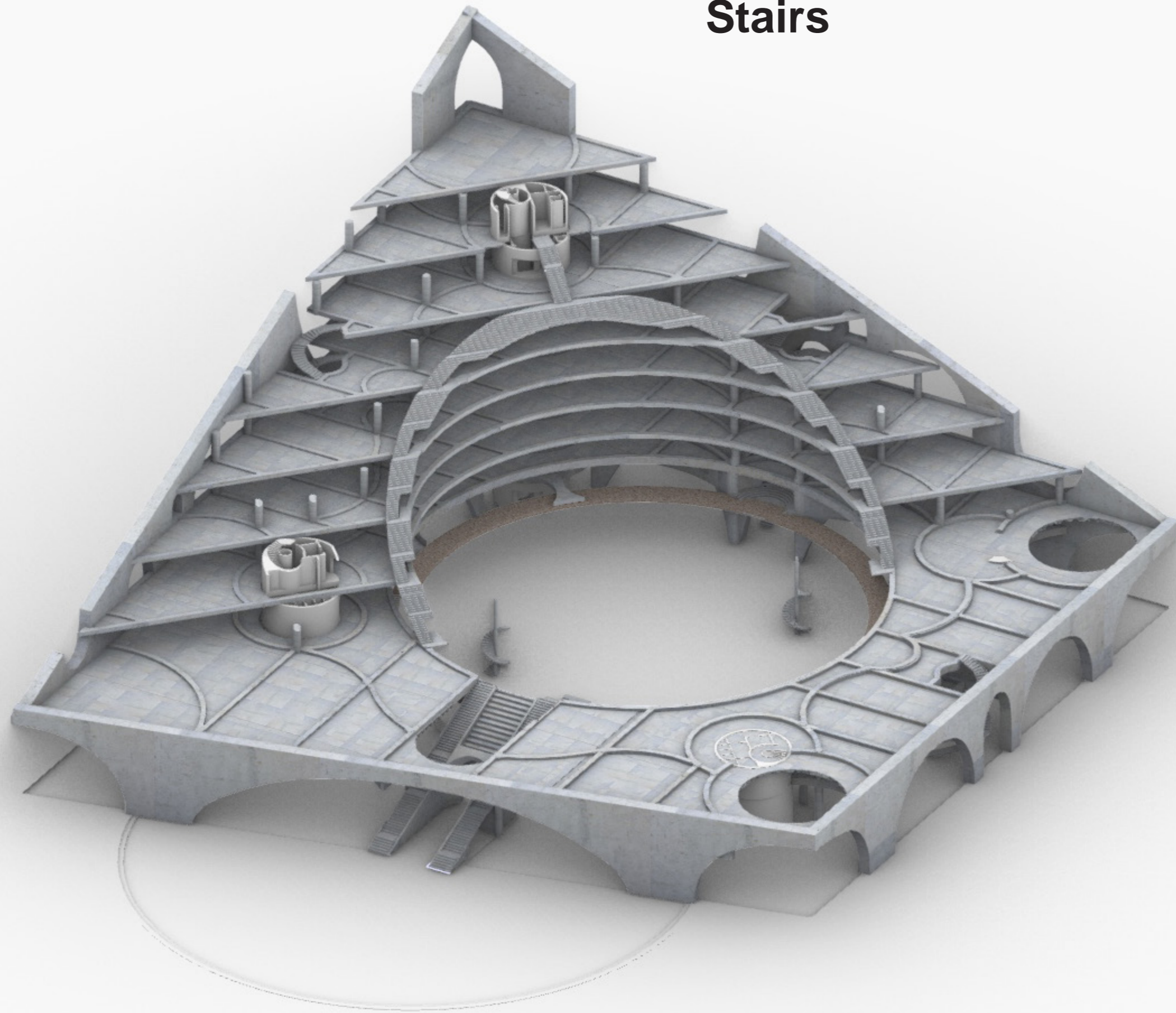
Structure



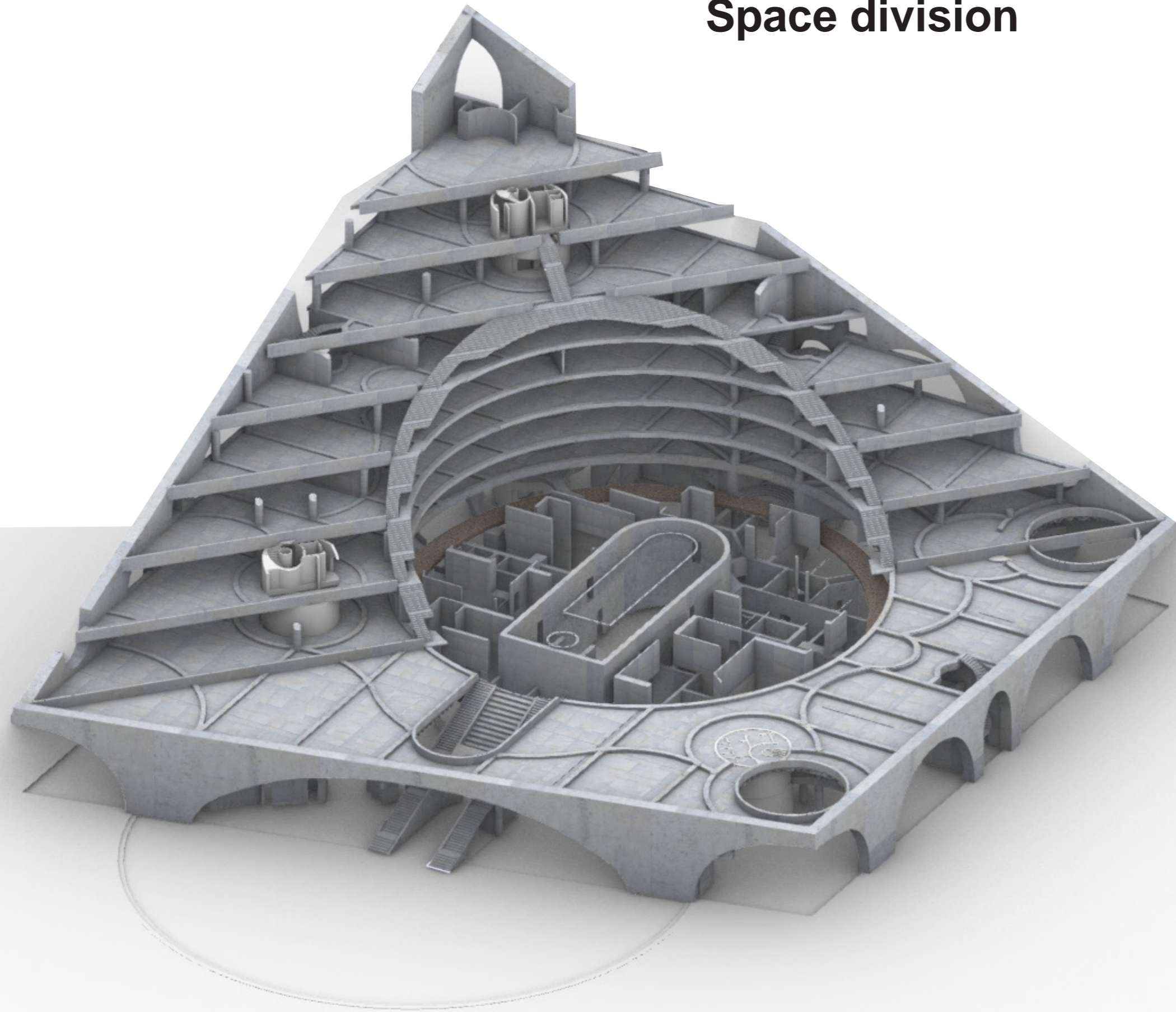
● Concrete waffle slab



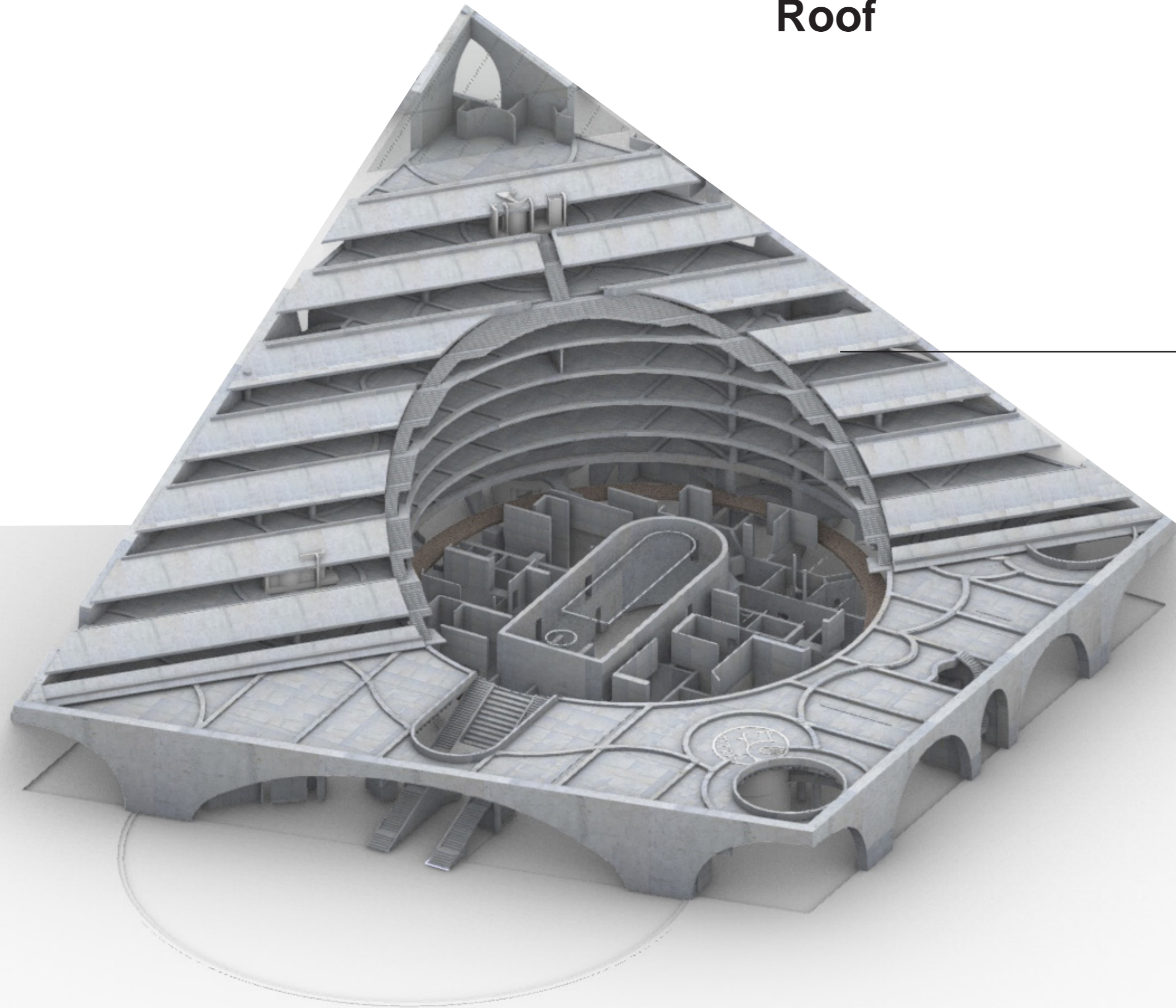
Stairs



Space division

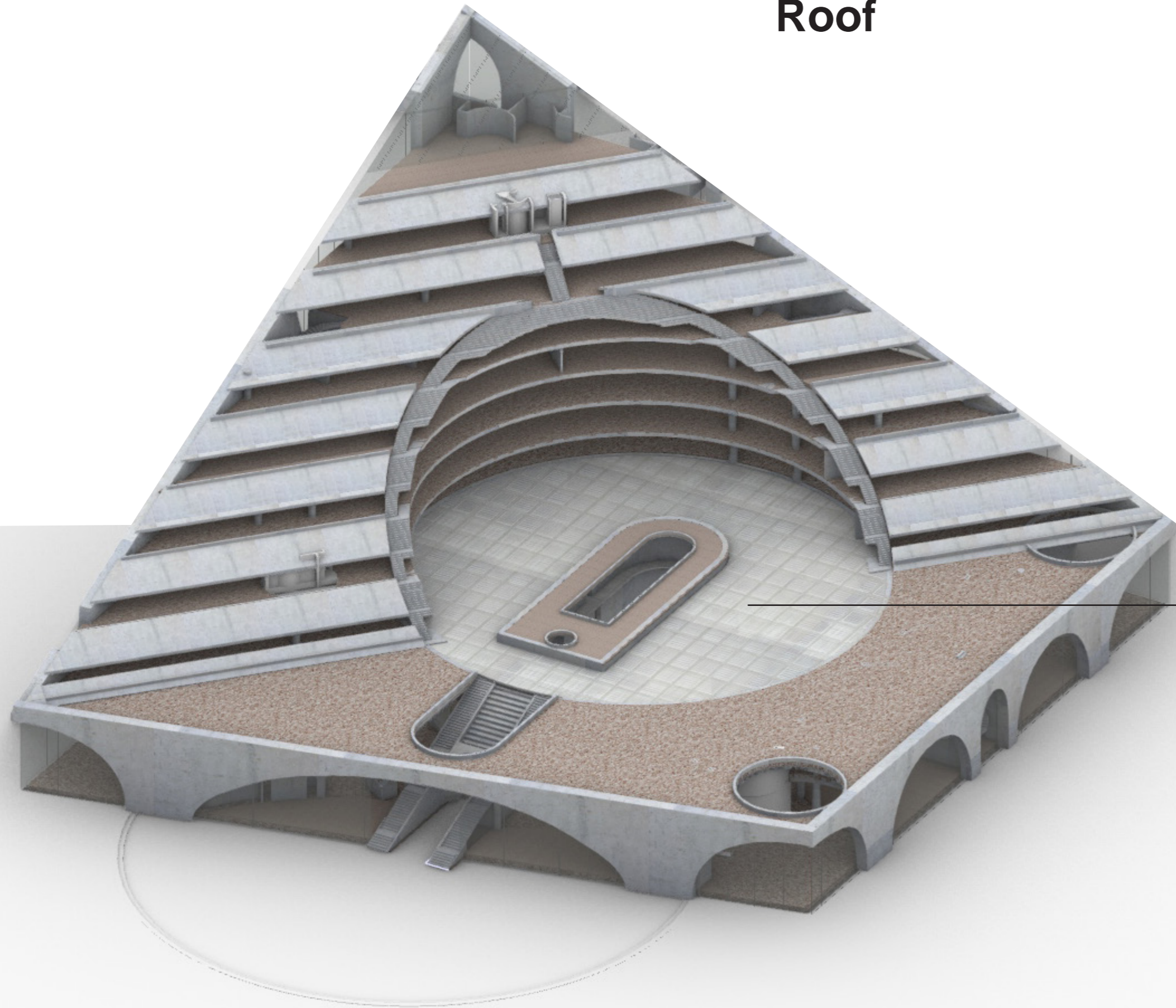


Roof



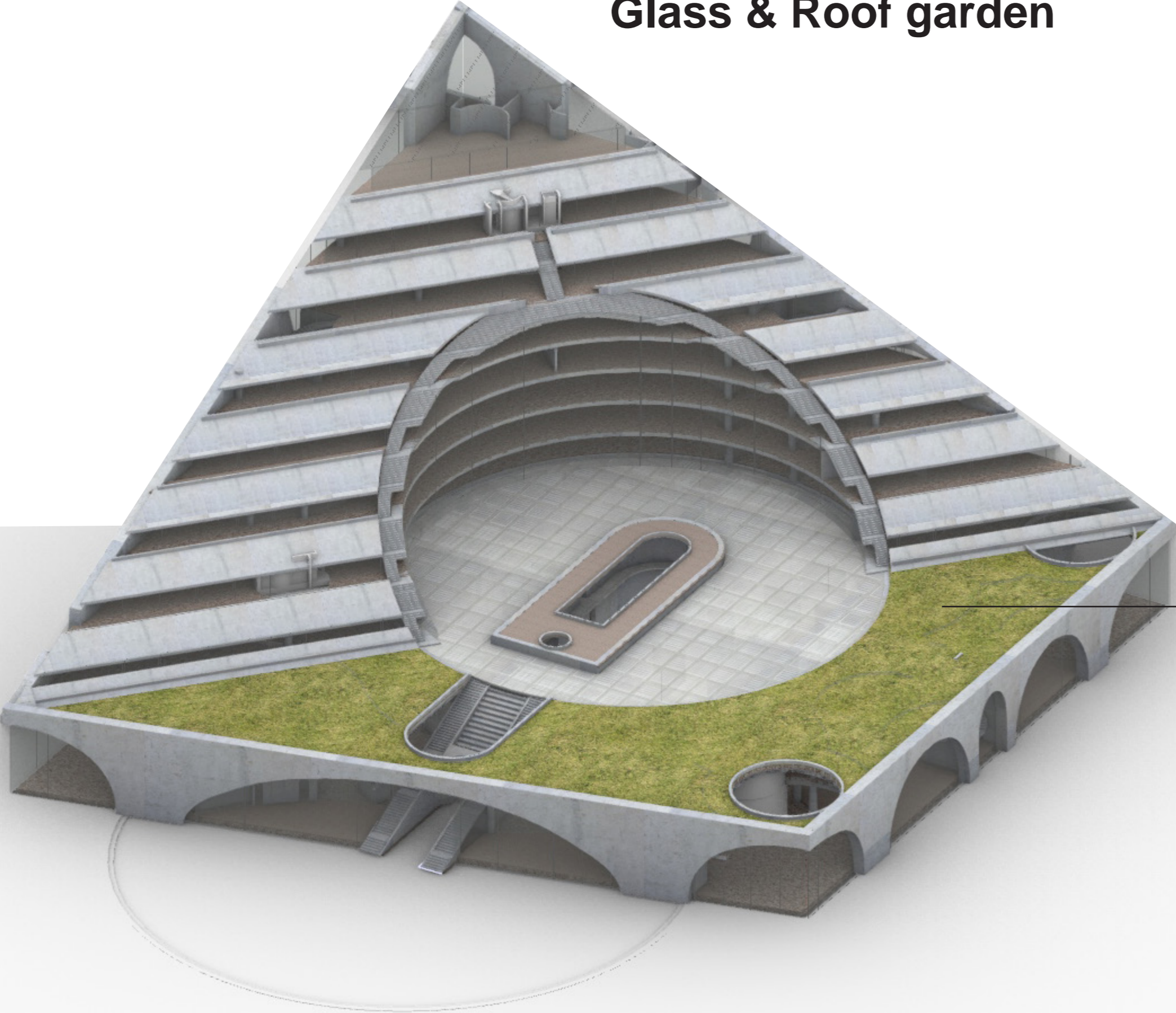
● Steel-Framed roof

Roof



● Glass block roof

Glass & Roof garden



● Roof garden

THANK YOU

