

The PLAYGROUND of unconsciousness

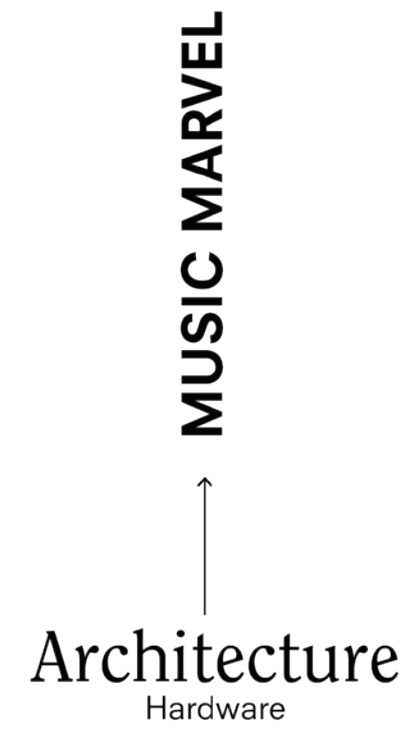


Haruka Maeda
P5 Presentation
Music Marvel 2021-22

“An urban playground introduces a temporary suspension of production against the contemporary high demand society. “(Marzot,2021)

What is my music marvel?
Where is it located?
Why design?
How will it be made?

What is my music marvel?
Where is it located?
Why design?
How will it be made?



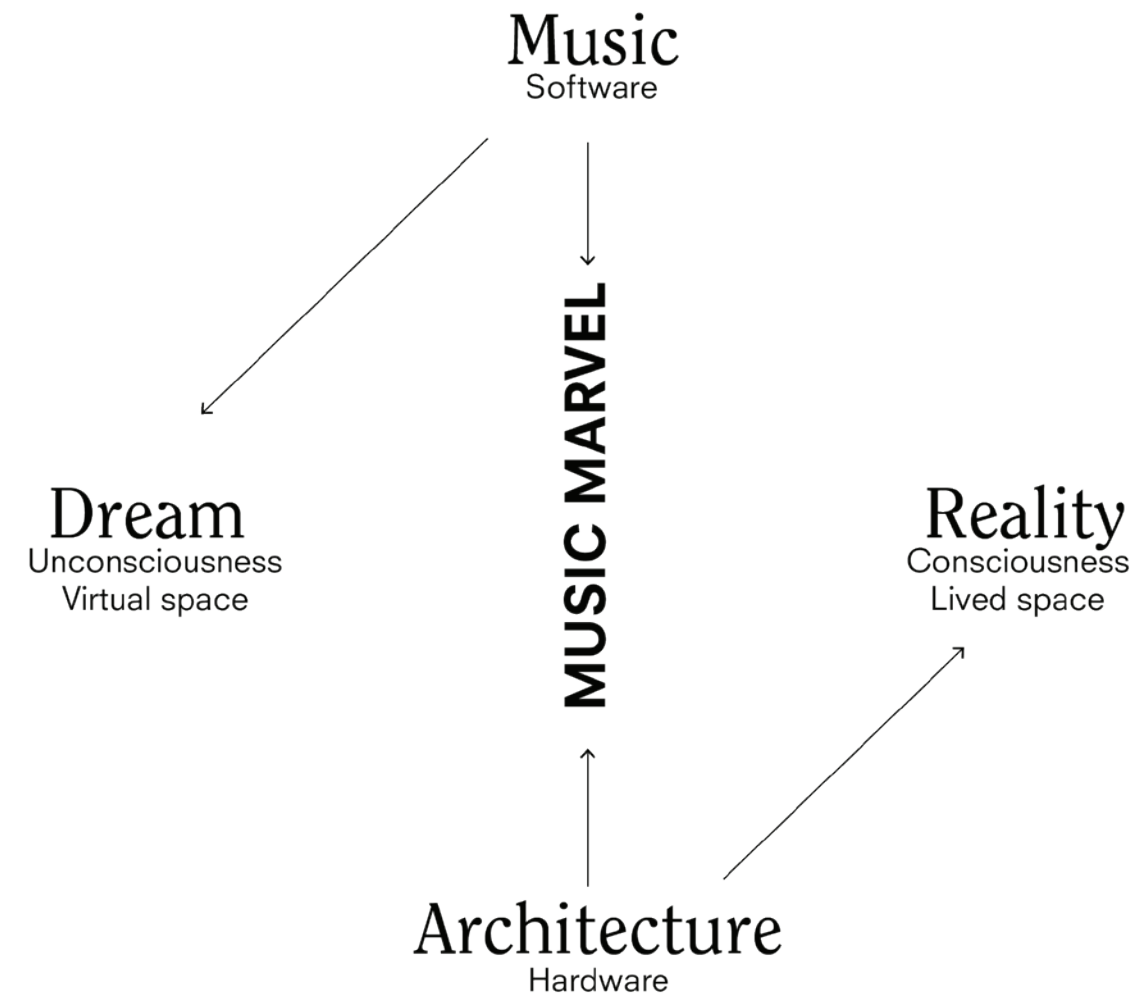
Music
Software

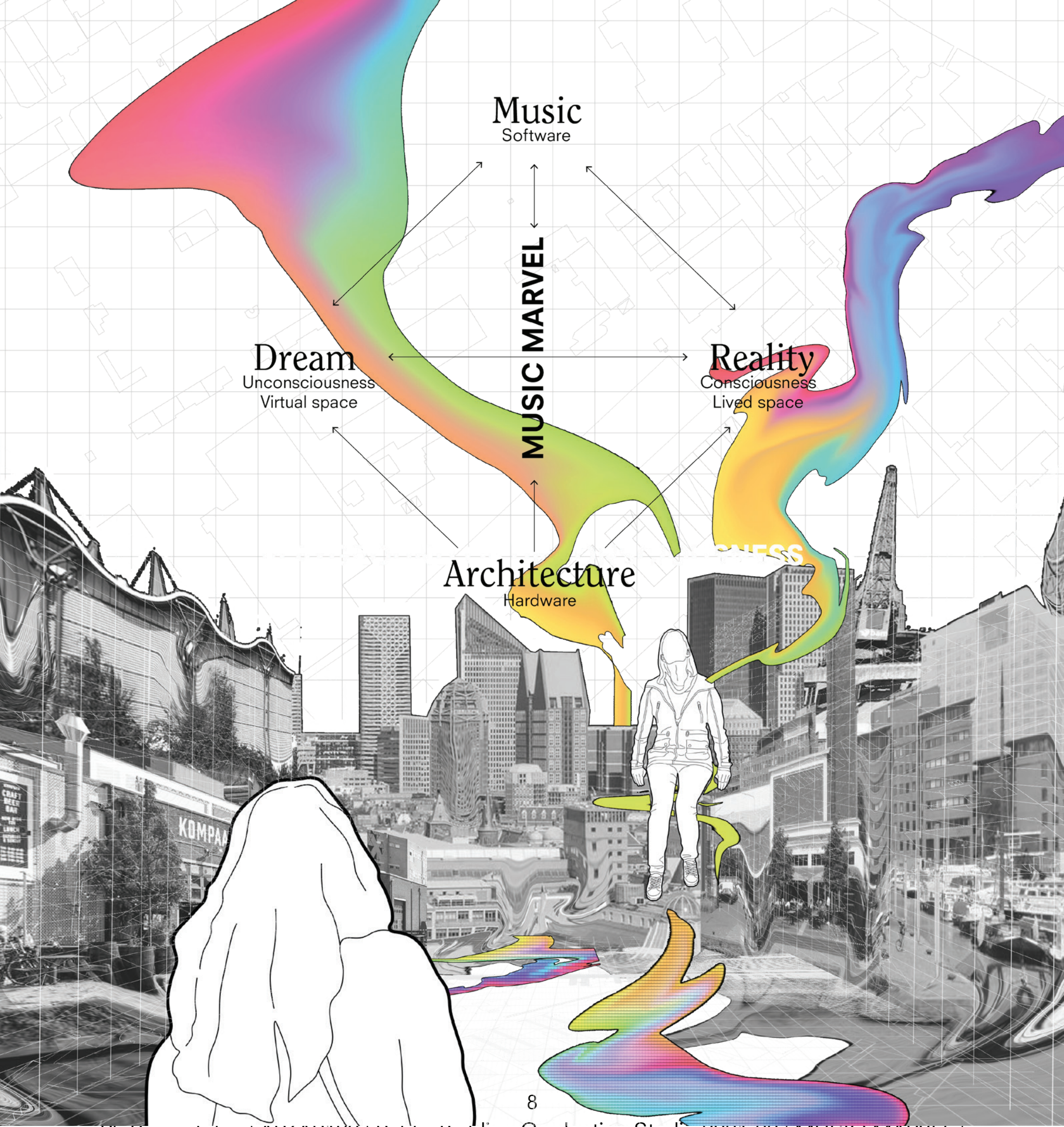


MUSIC MARVEL



Architecture
Hardware





Position of music to the current society



Music as a mindfull stress reliever for the individuals



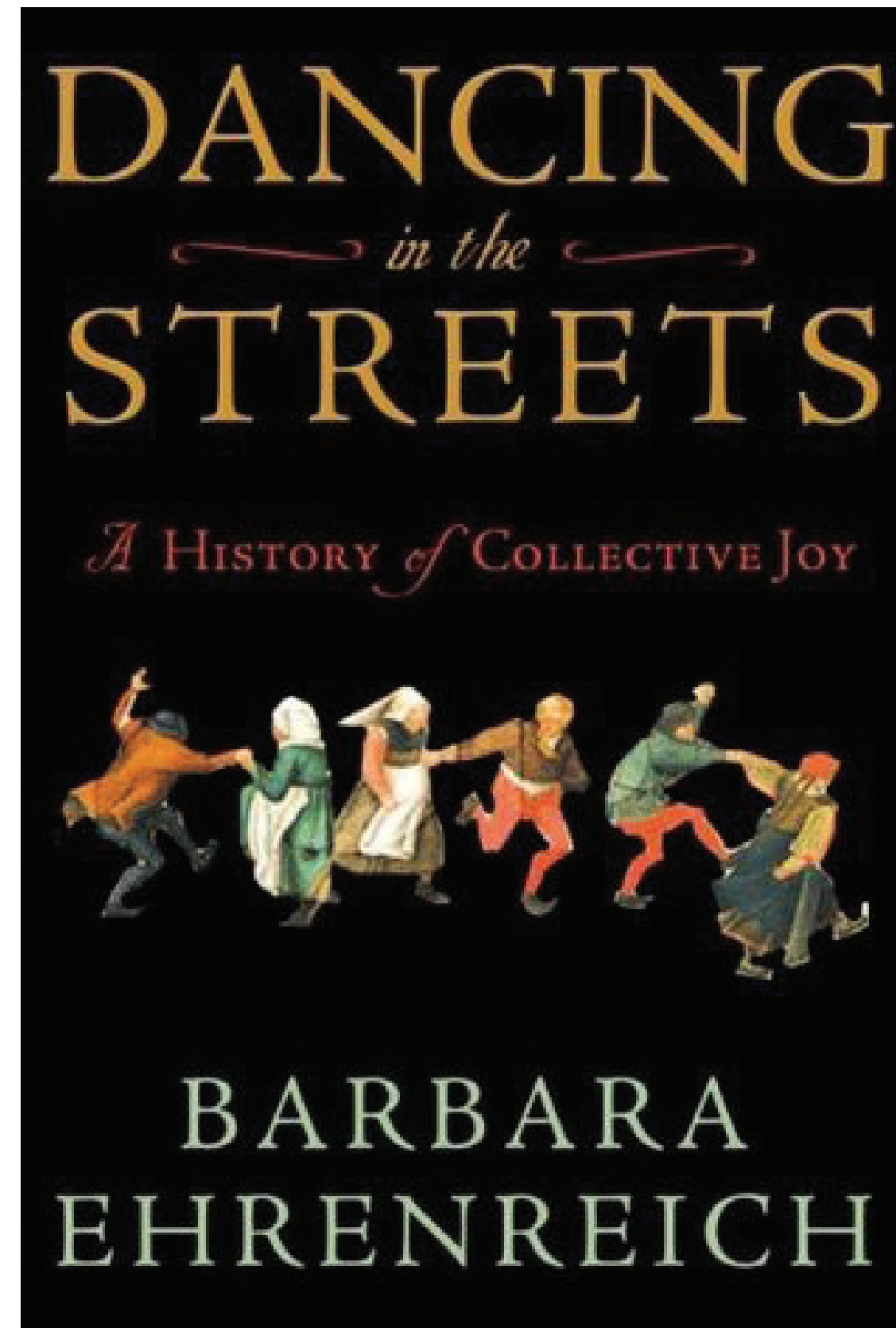
Music helps improve
community feeling
and collectivity for the
society



Architecture enhances
such experiences



[...] the desire for collective joy, expressed historically in ecstatic revelations of festivities, costumes and dancing. In human biology and culture, Ehrenreich uncovers the origins of community celebration.[...]



Young adults hardest hit by loneliness during pandemic

Robust social network is key to easing pain, avoiding downward spiral, study says

As psychologists worry that the coronavirus pandemic is triggering a loneliness epidemic, new Harvard research suggests feelings of social isolation are on the rise and that those hardest hit are older teens and young adults.

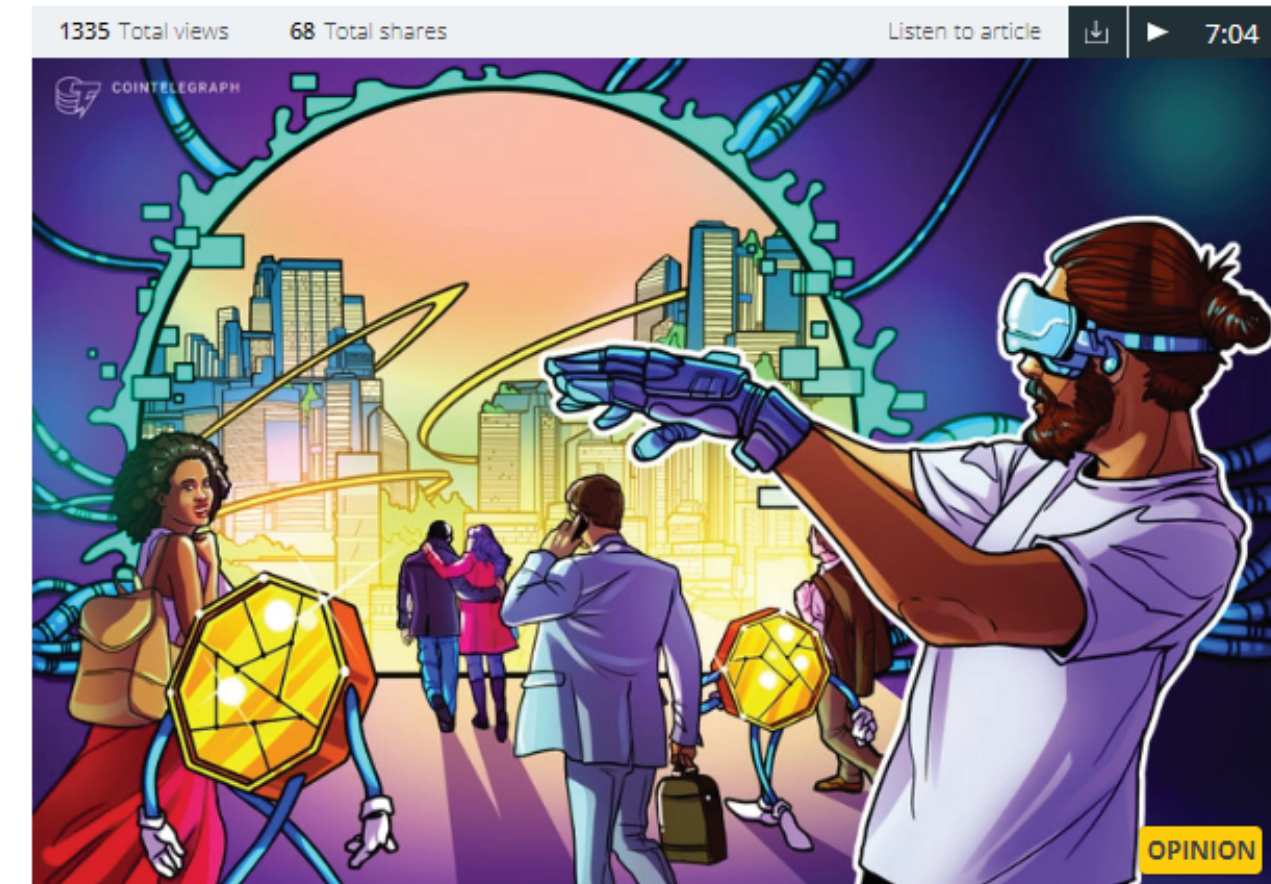
In the recently released results of a study conducted last October by researchers at Making Caring Common, 36 percent of respondents to a national survey of approximately 950 Americans reported feeling lonely “frequently” or “almost all the time or all the time” in the prior four weeks, compared with 25 percent who recalled experiencing serious issues in the two months prior to the pandemic. Perhaps most striking is that 61 percent of those aged 18 to 25 reported high levels.

<https://news.harvard.edu/gazette/story/2021/02/young-adults-teens-loneliness-mental-health-coronavirus-covid-pandemic/>

Accessed on November 2021.

Metaverse-as-a-service will be the basis of the next internet era of Web3

The success and mass adoption of the Metaverse relies on the ability of users to build their own. In other words, utilizing metaverse-as-a-service technology.



The concept of the Metaverse has been around since the 1980s, but it has only been in recent years that we've seen hundreds of projects popping up on the scene. What we are currently experiencing are gamified worlds with limited integration and engagement abilities. Right now, the Metaverse is still a blank canvas for early adopters to test and entertain the concept. When looking at the future of engagement in the Metaverse and bridging the gaps between the physical and digital worlds,

<https://cointelegraph.com/news/metaverse-as-a-service-will-be-the-basis-of-the-next-internet-era-of-web3>
Accessed on 14th of May 2022.

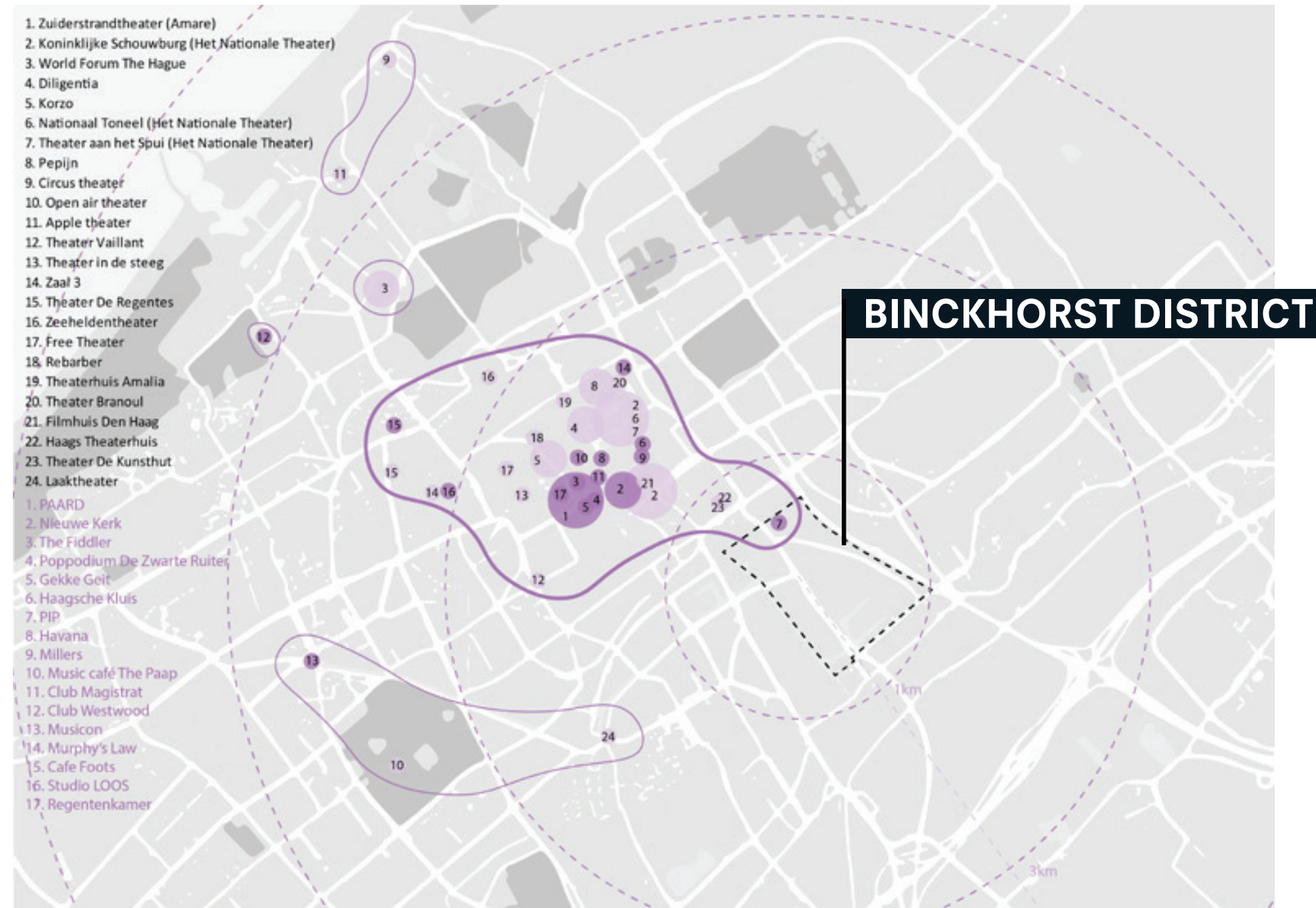
**HOW CAN MUSIC REDUCE
STRESS AND ENHANCE
COMMUNITY ENGAGEMENT?
HOW SHOULD THE
ARCHITECTURE THAT ENVELOP
IT LOOKS LIKE?**

What is my music marvel?
Where is it located?
Why design?
How will it be made?

Location



Music venue and theater



Future developments



Future developments



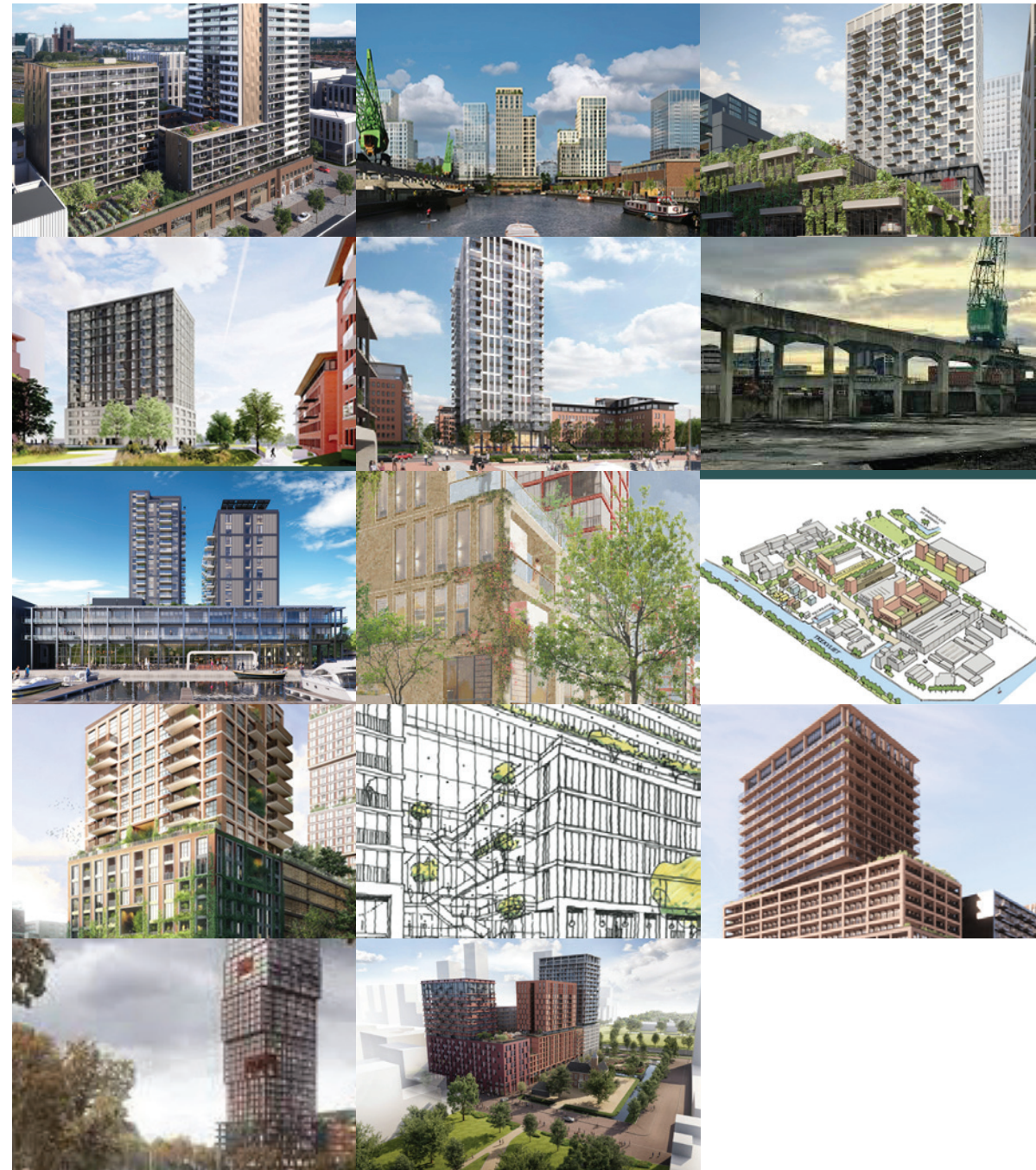
Future developments



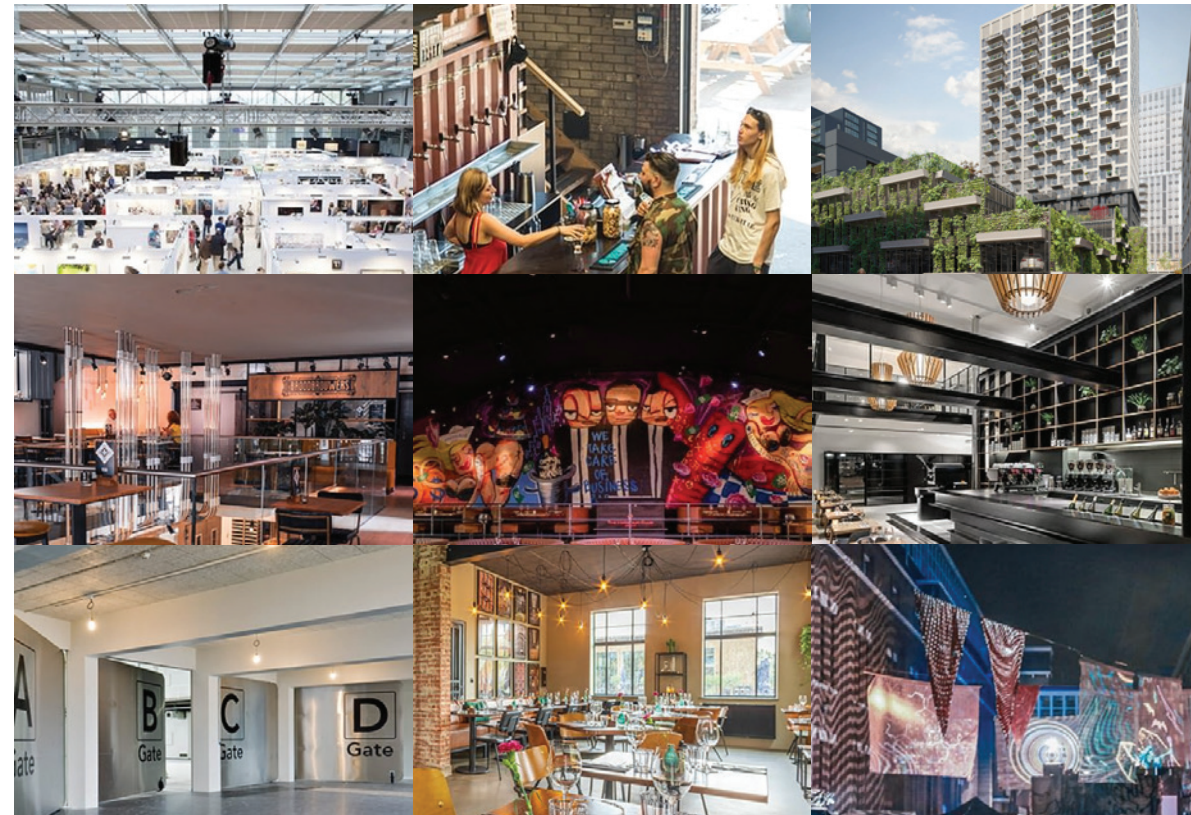
Future developments



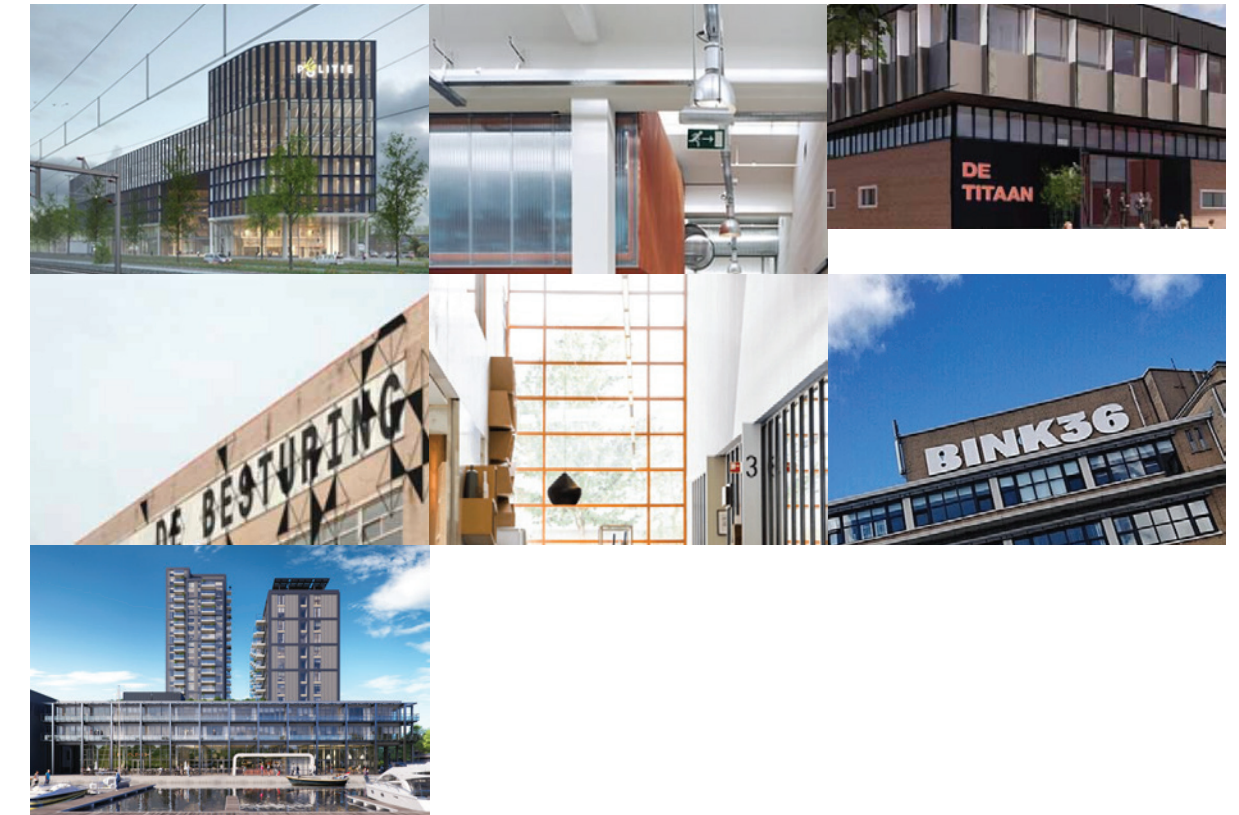
Future developments



HOUSING



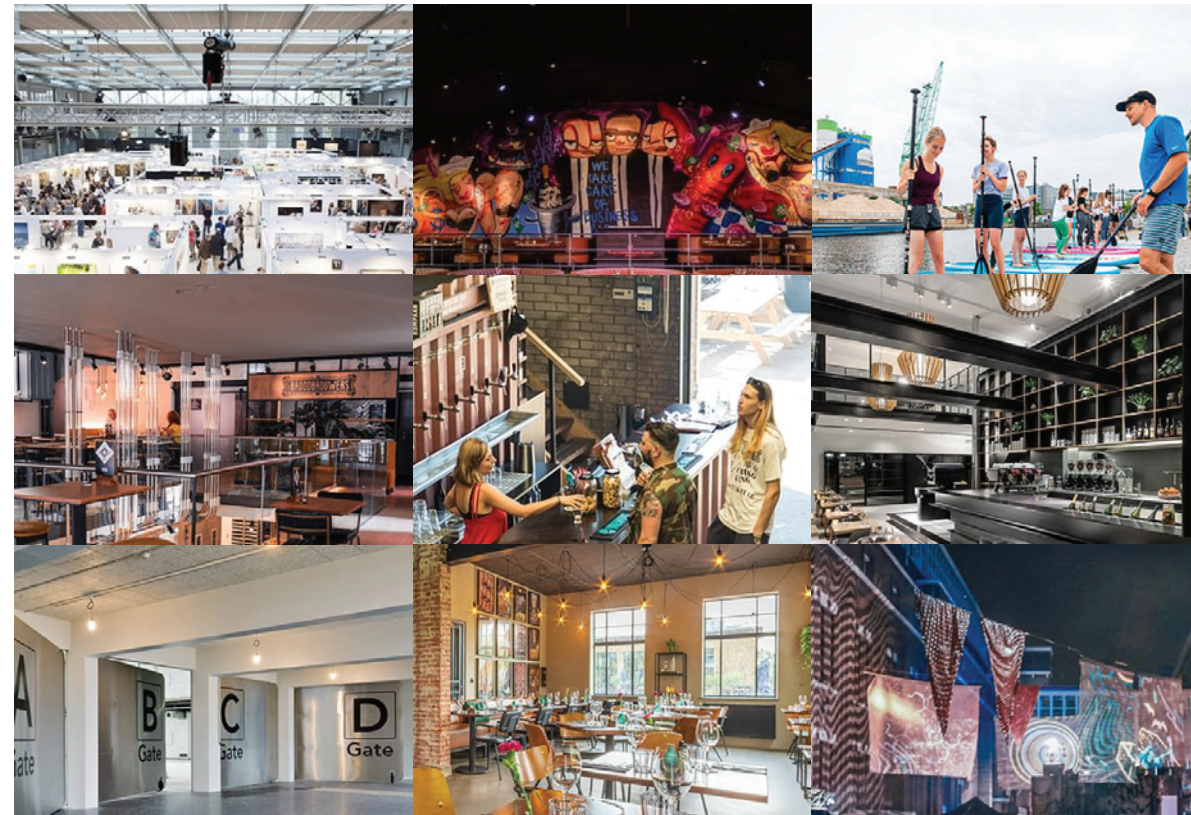
LEISURE



WORK

*According to the official site of Binckhorst municipality, accessed in June, 2022.

Future developments



LEISURE

*According to the official site of Binckhorst municipality, accessed in June, 2022.

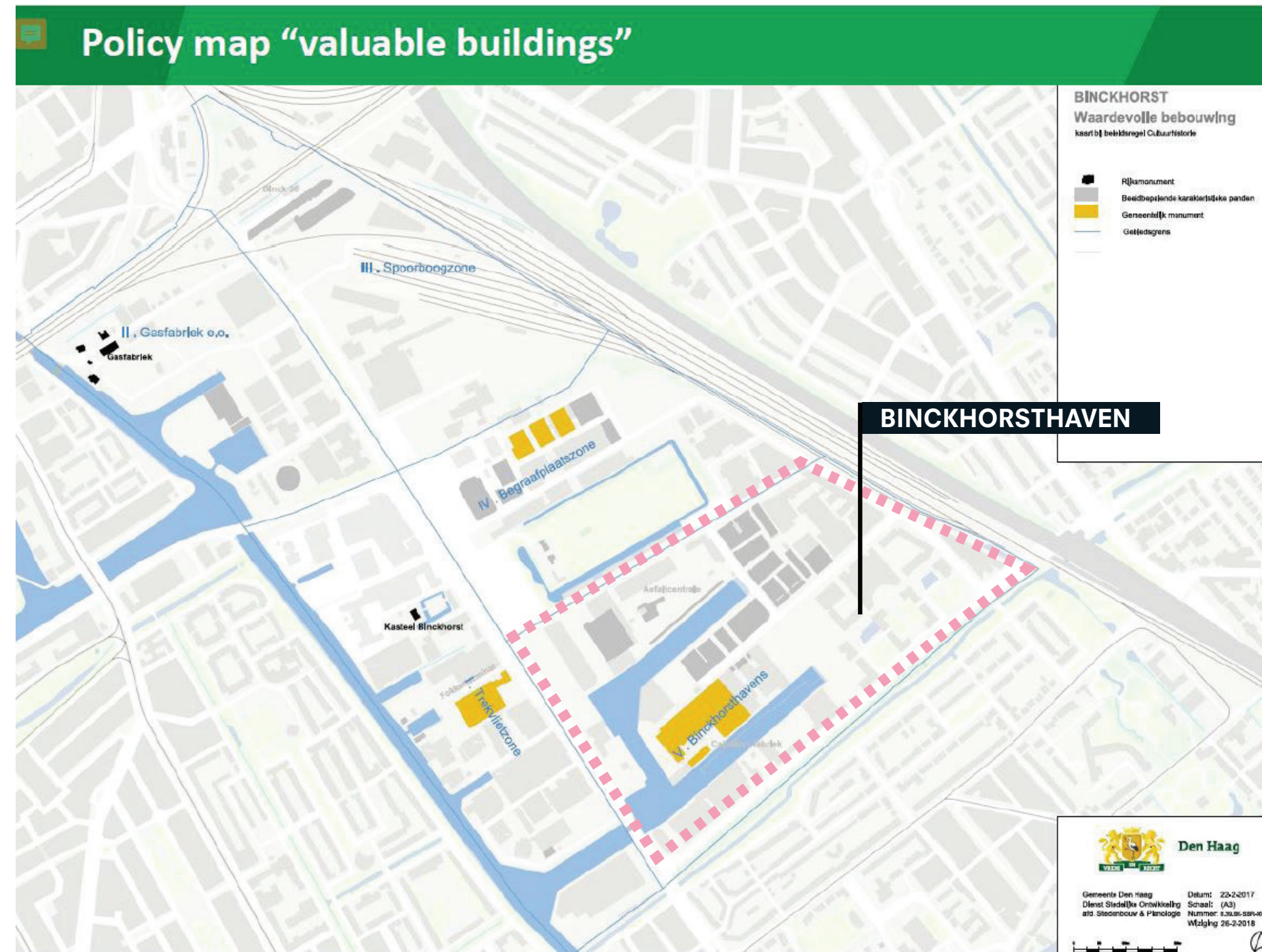
Future developments



LEISURE

*According to the official site of Binckhorst municipality, accessed in June, 2022.

Future developments



Binckhorsthaven

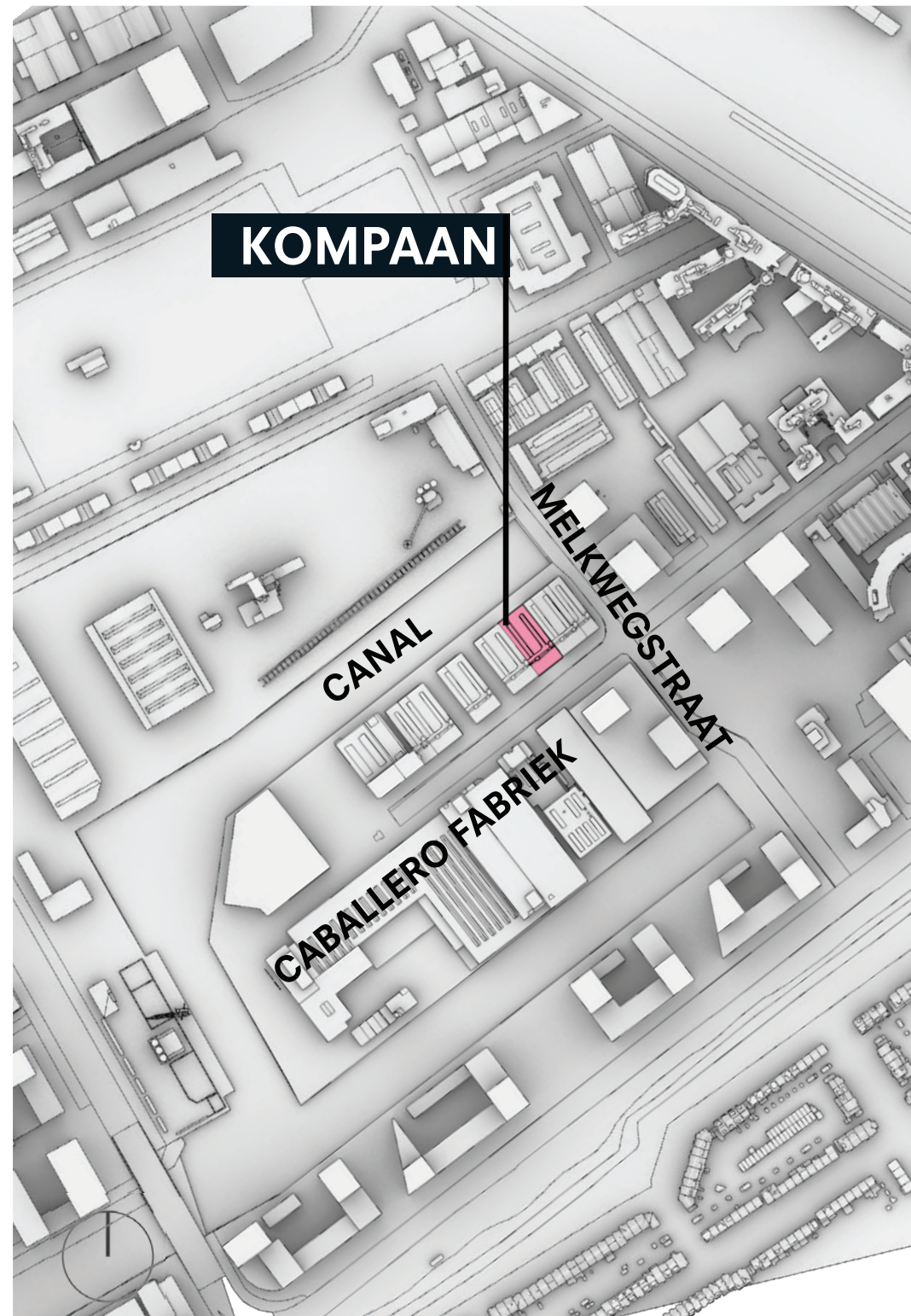
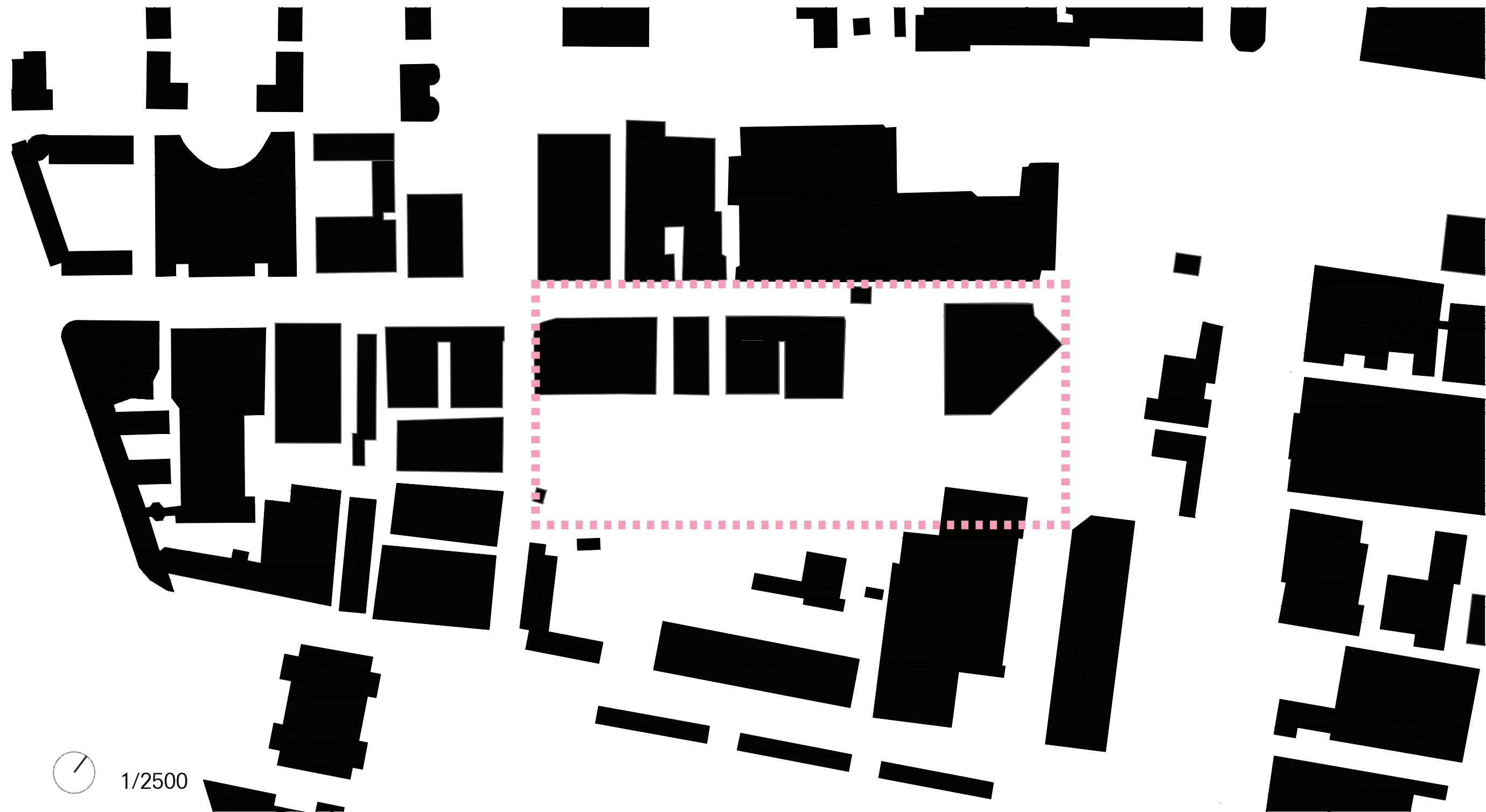


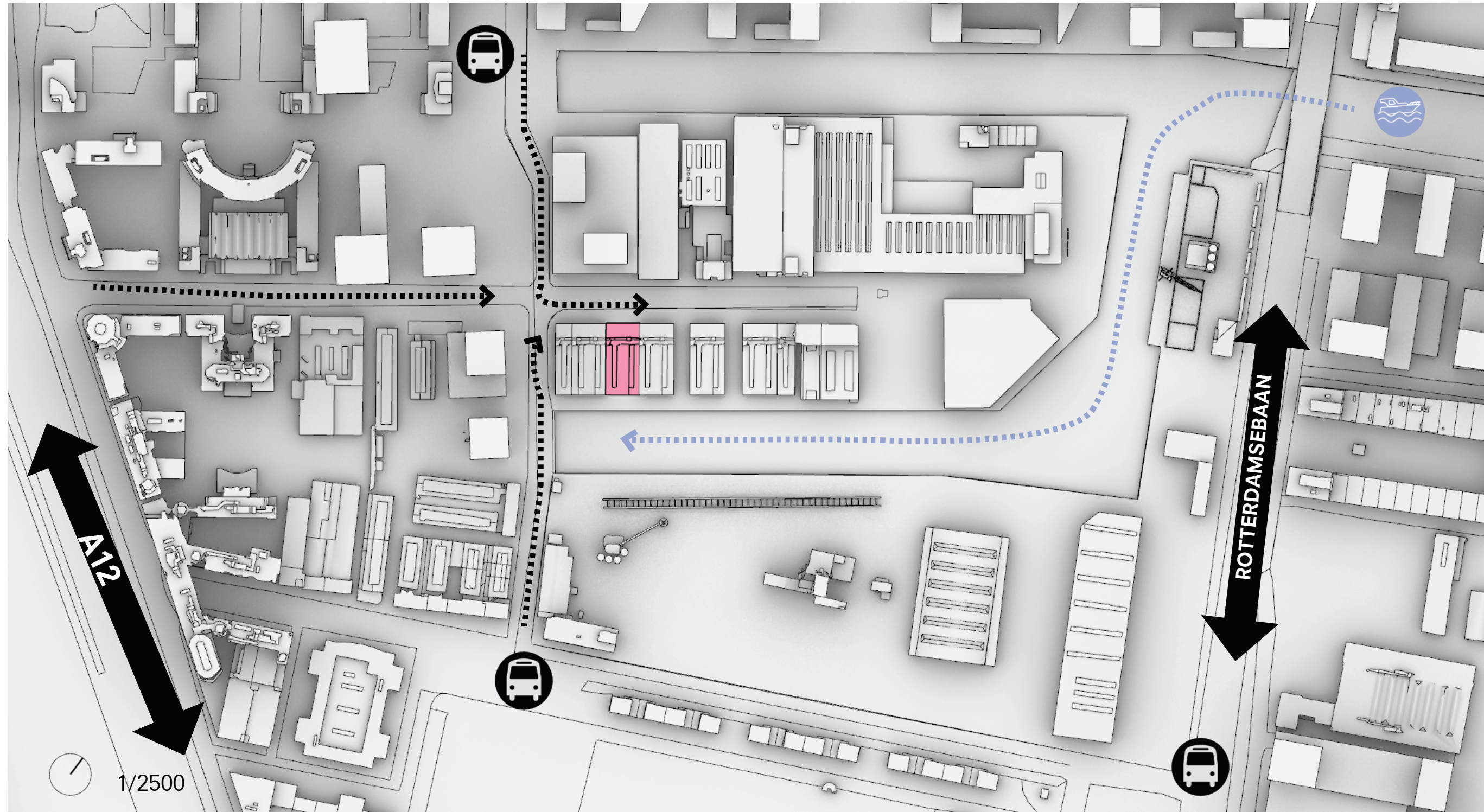
Figure map



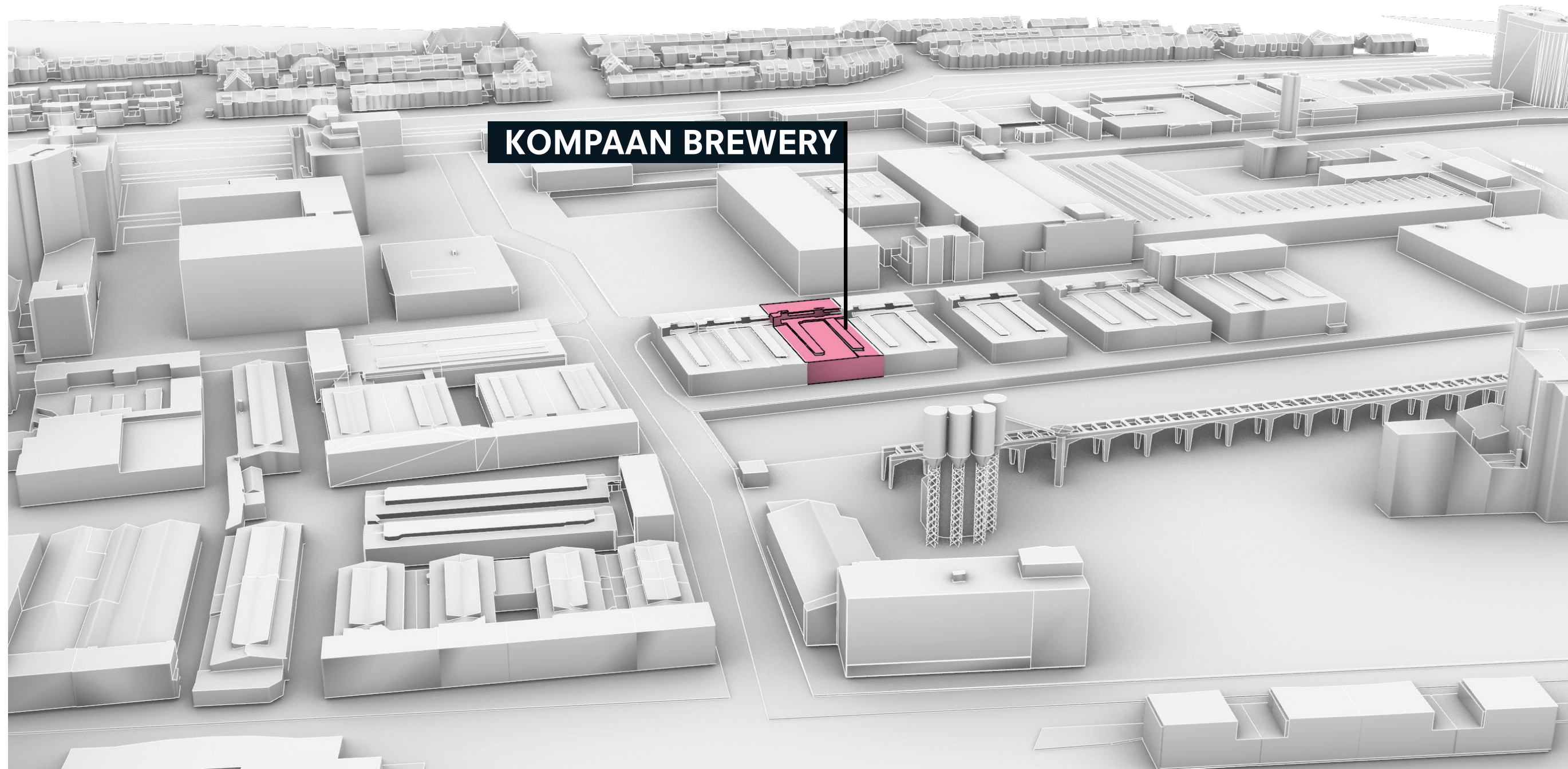
Figure map



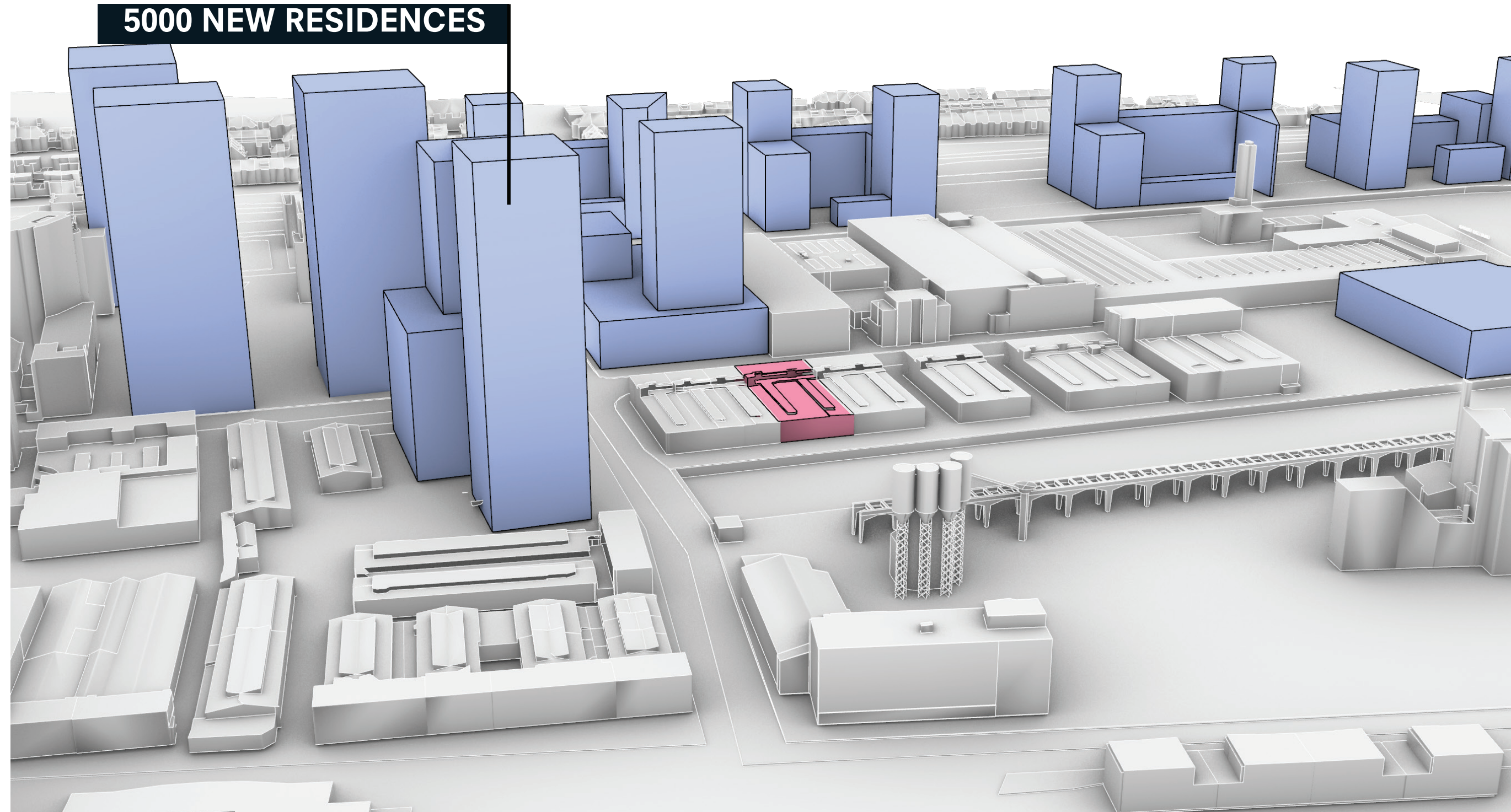
Accessibility



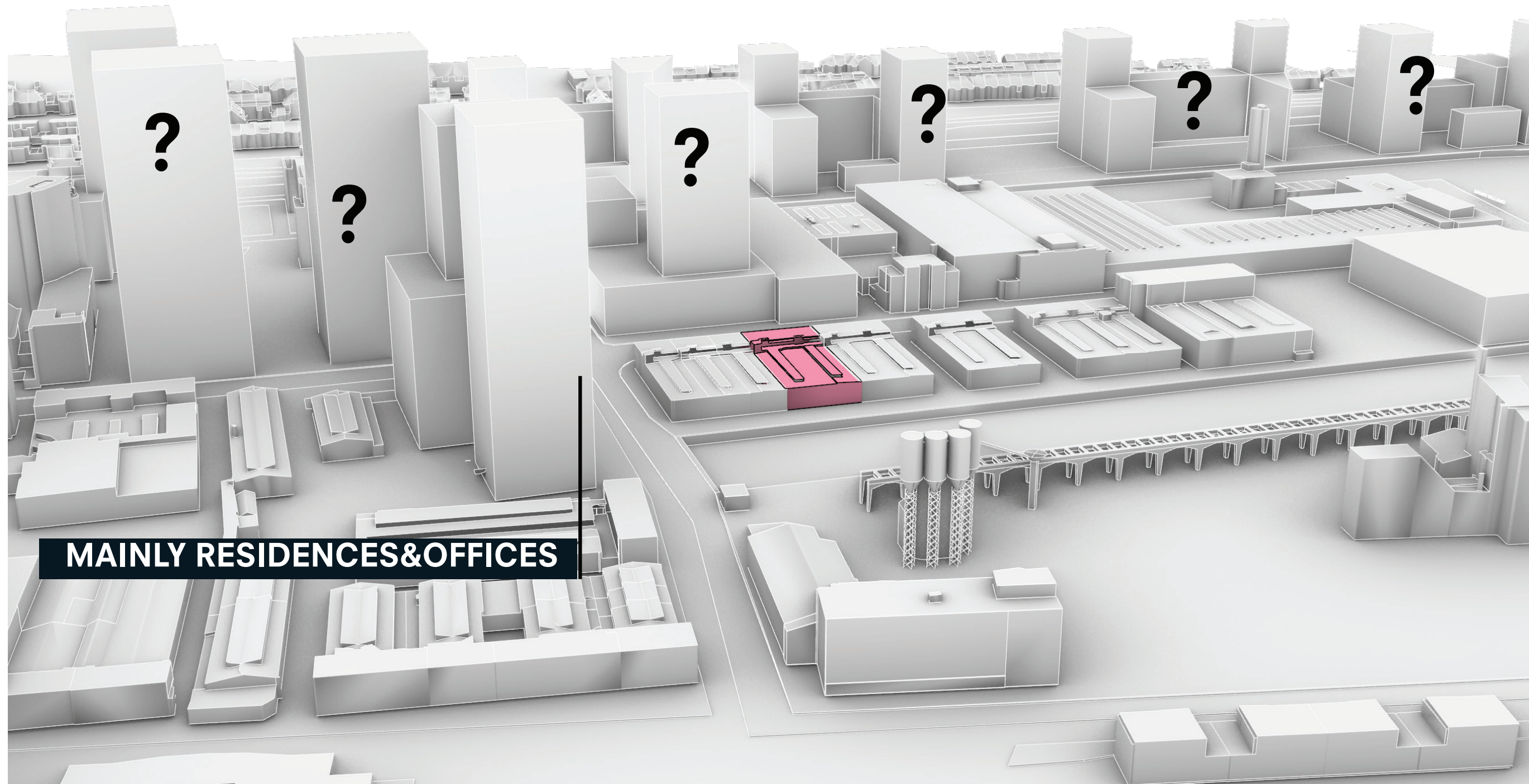
Current situation



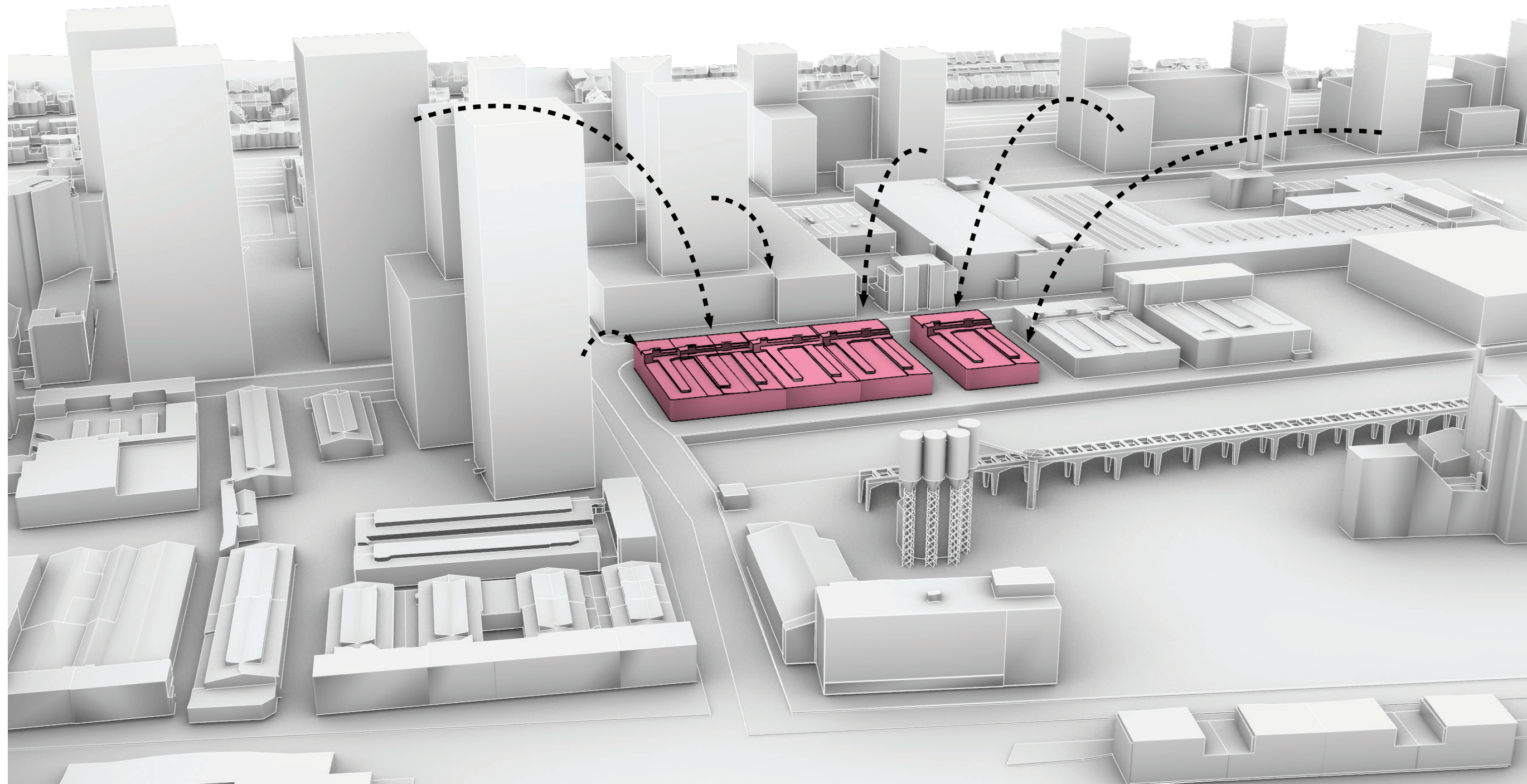
Future masterplan



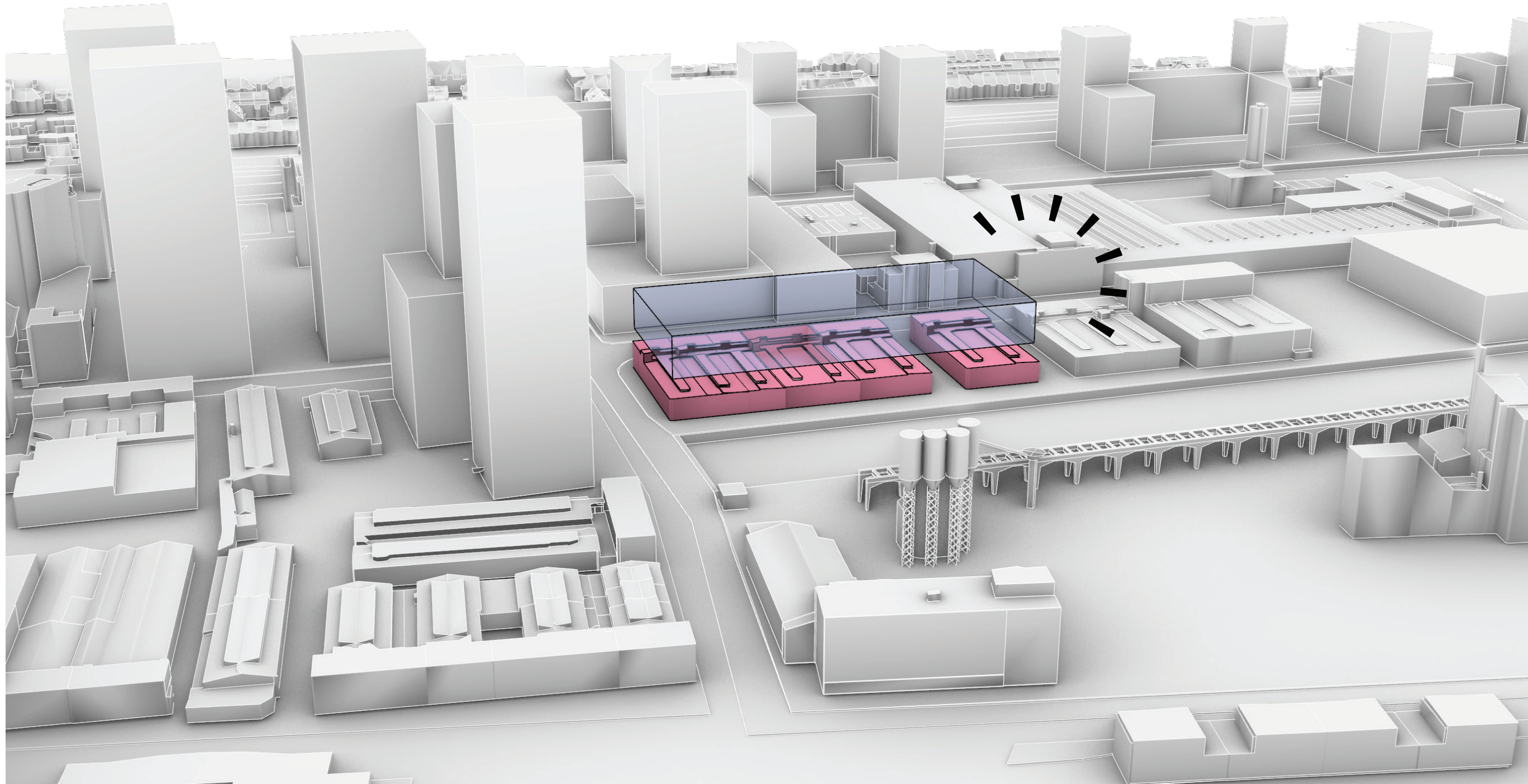
New inhabitants



Expansion of Kompaan

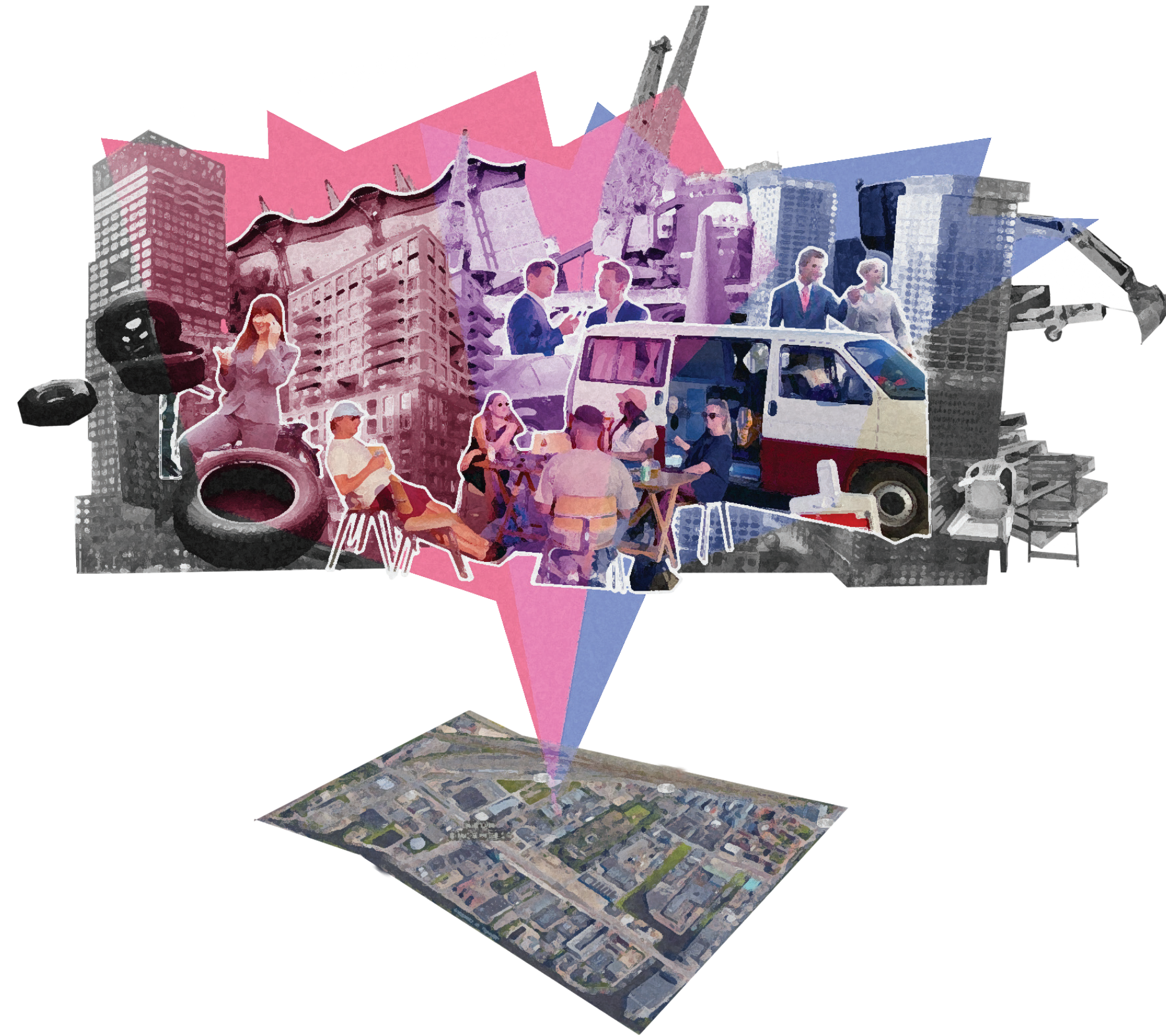


Improving the existing

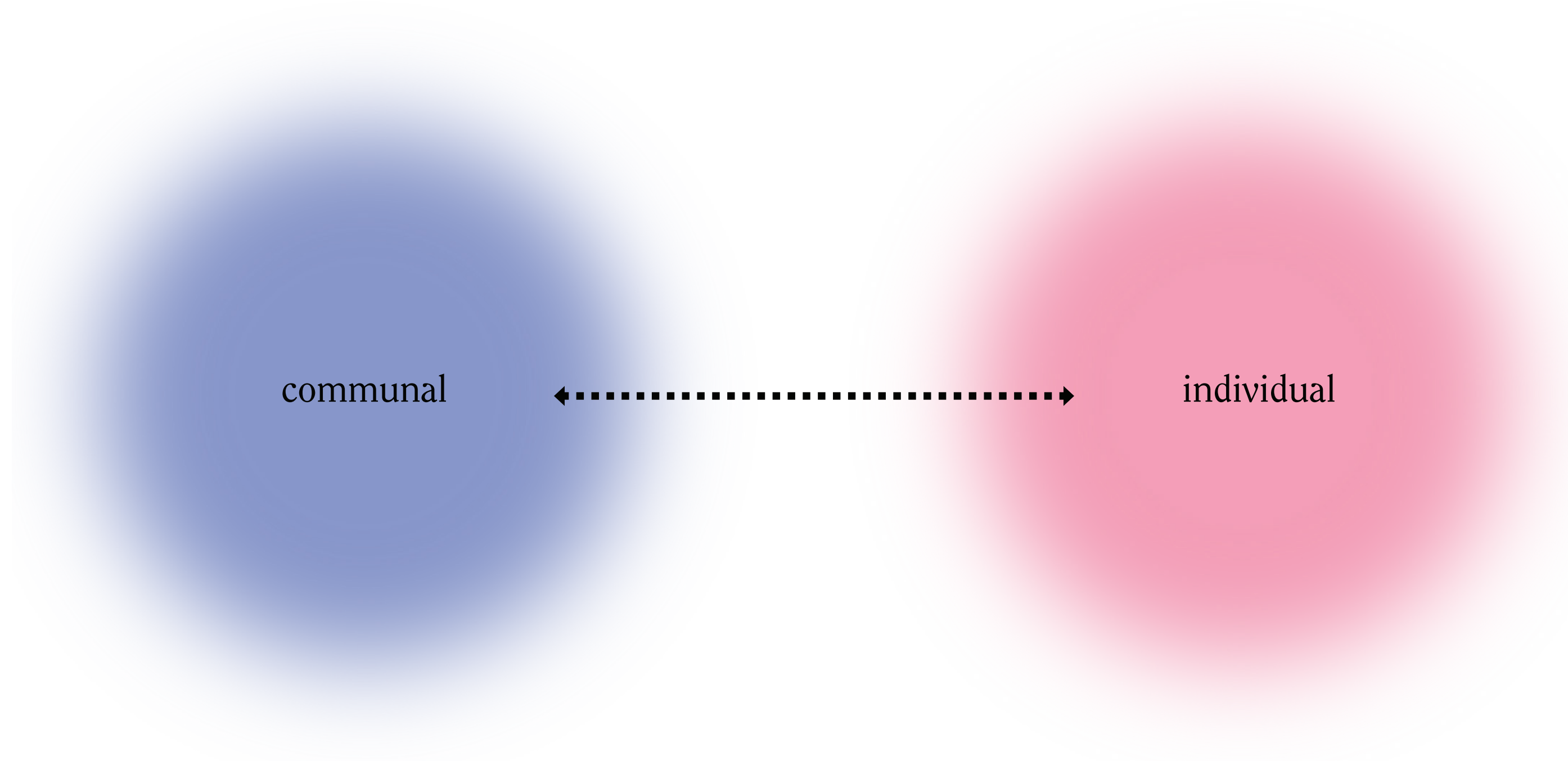


What is my music marvel?
Where is it located?
Why design?
How will it be made?

Binckhorst community



Integration and mindfulness



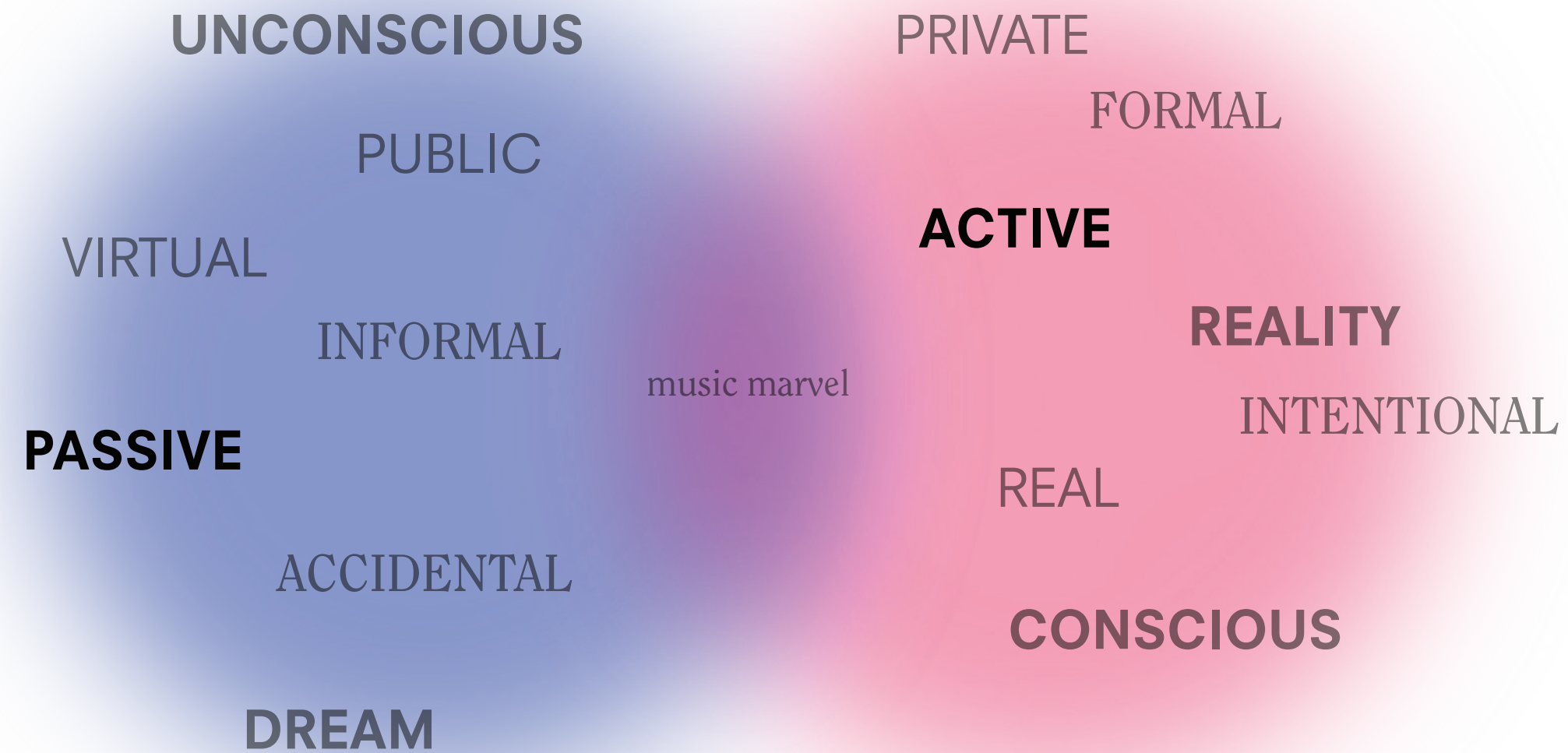
What is my music marvel?
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Embracing the binary society



Design concept



Design concept

Form

Surrealism aims to revolutionise human experience.
It balances a rational vision of life with one that asserts the power of the unconscious and dreams. The movement's artists find magic and strange beauty in the unexpected and the uncanny, the disregarded and the unconventional

Design concept

emotions



Surrealism aims to revolutionise **human experience**. It balances a rational vision of life with one that asserts the power of the unconscious and dreams. The movement's artists find magic and strange beauty in the unexpected and the uncanny, the disregarded and the unconventional

Design concept

music

Surrealism aims to revolutionise human experience. It balances a rational vision of life with one that asserts the **power of the unconscious and dreams**. The movement's artists find magic and strange beauty in the unexpected and the uncanny, the disregarded and the unconventional

Design concept

Surrealism aims to revolutionise human experience.
It balances a rational vision of life with one that asserts the power of the unconscious and dreams. The movement's artists find magic and strange **beauty in the unexpected and the uncanny**, the disregarded and **the unconventional**



architecture

Design concept

Form

Contrasting
structures to
enhance the
dichotomy



beauty
in the unexpected and the uncanny, the
disregarded and the unconventional

Design concept

Form

Contrasting
structures to
enhance the
dichotomy



beauty
in the unexpected and the uncanny, the
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Atomization



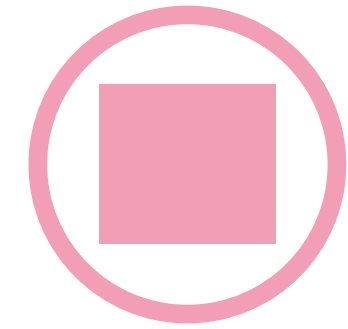
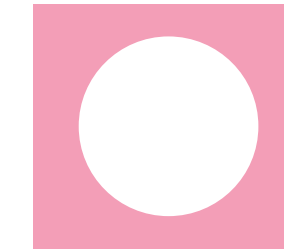
Design concept

Form

Contrasting
structures to
enhance the
dichotomy



Camouflage



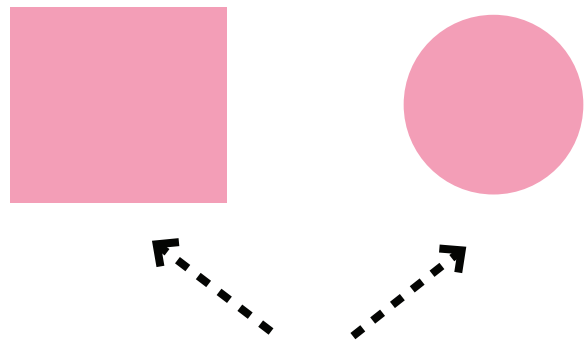
beauty
in the unexpected and the uncanny, the
disregarded and the unconventional

Atomization

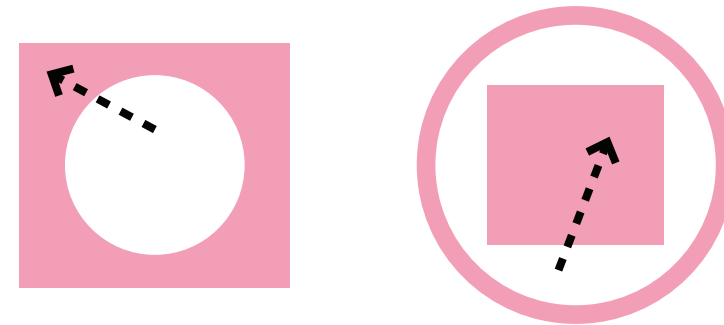


Design concept

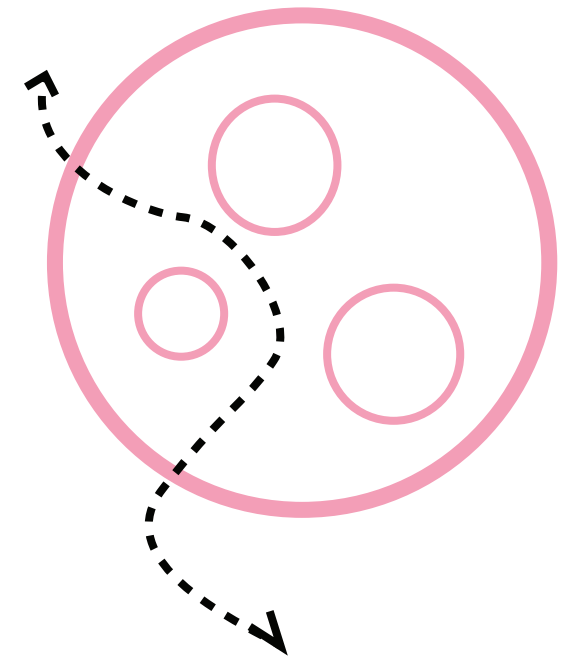
Form



Contrasting and unconventional set of volumes from the outside



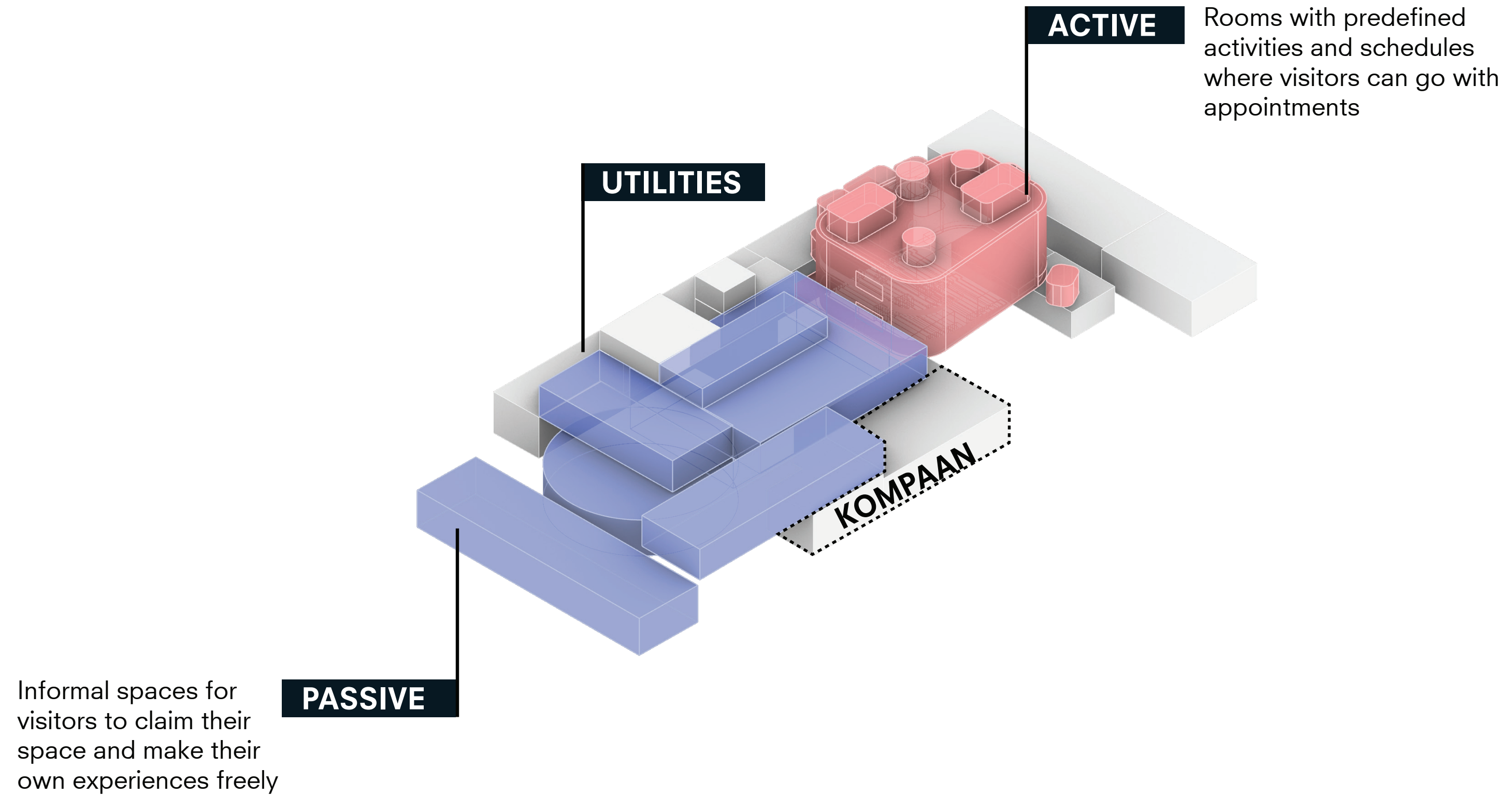
Surprising internal spatial experiences with different forms and heights



The in-between spaces become the corridor and social gathering spaces

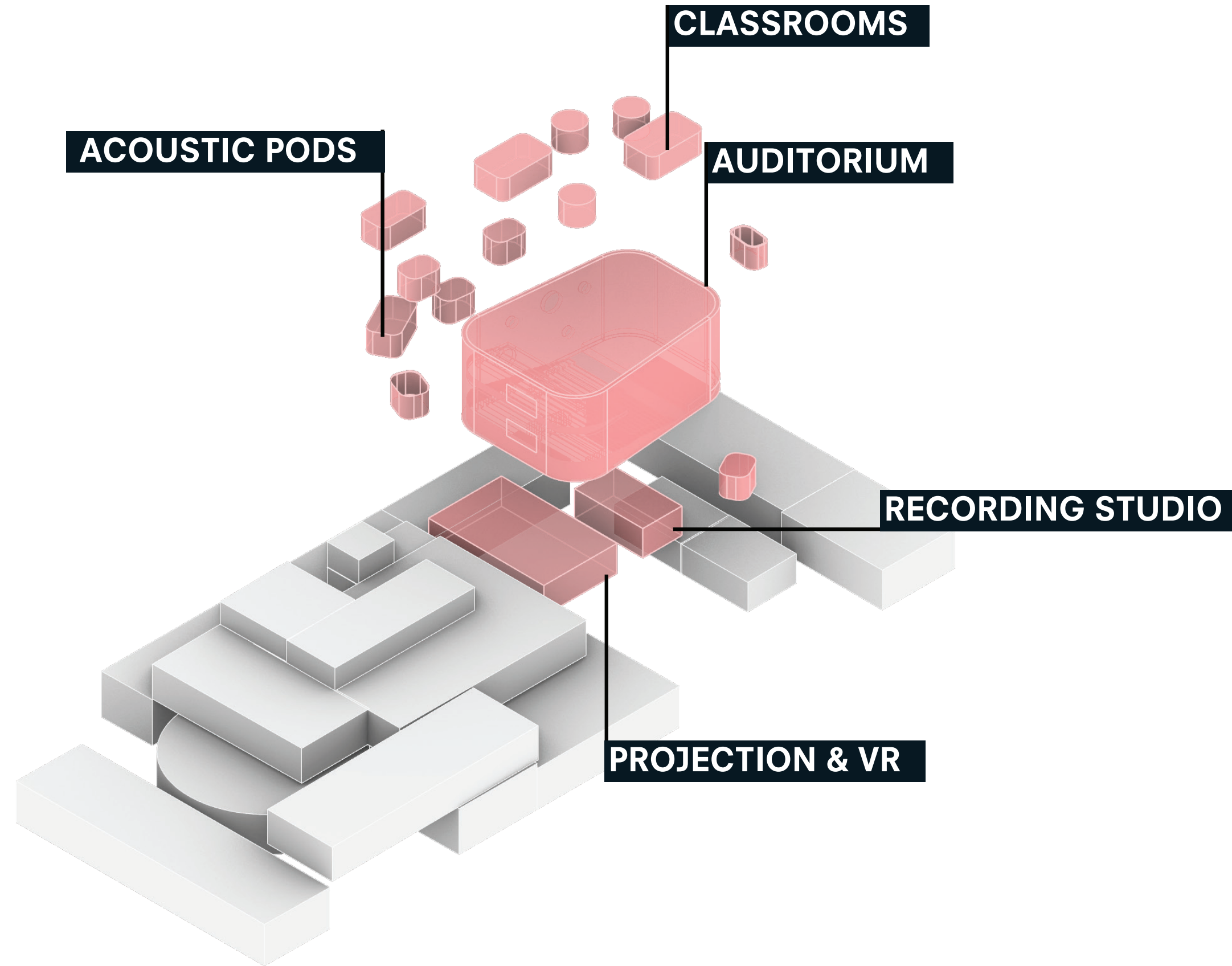
Design concept

Program



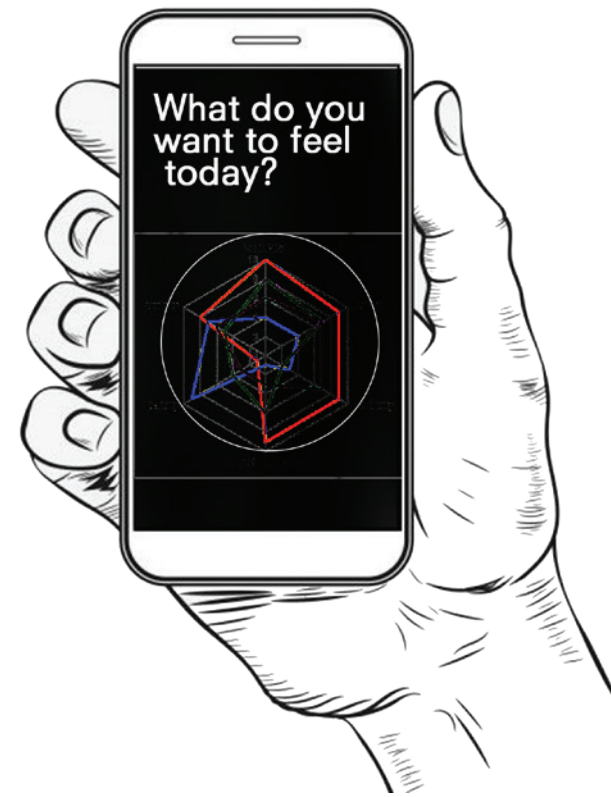
Active space

Program



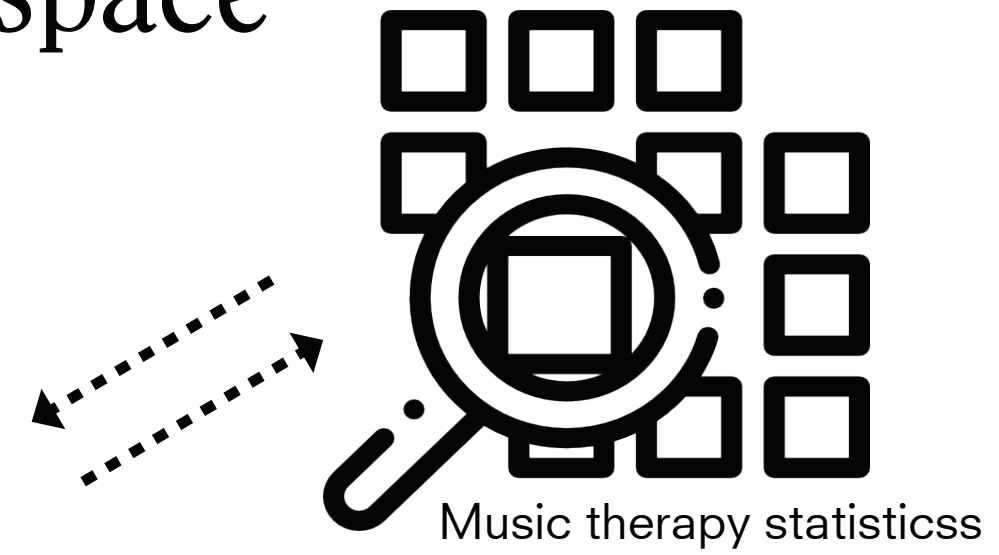
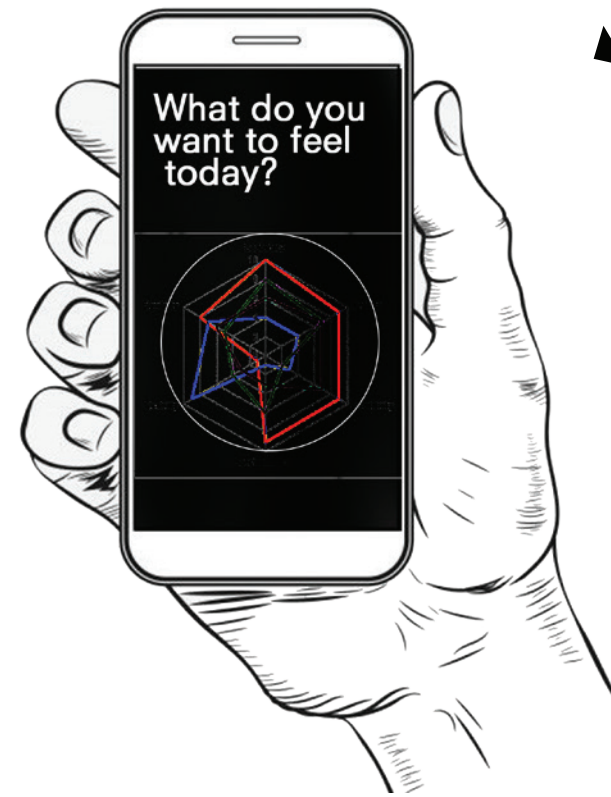
Active space

Personalized activity routing



Active(prescribed)space

Personalized activity routing



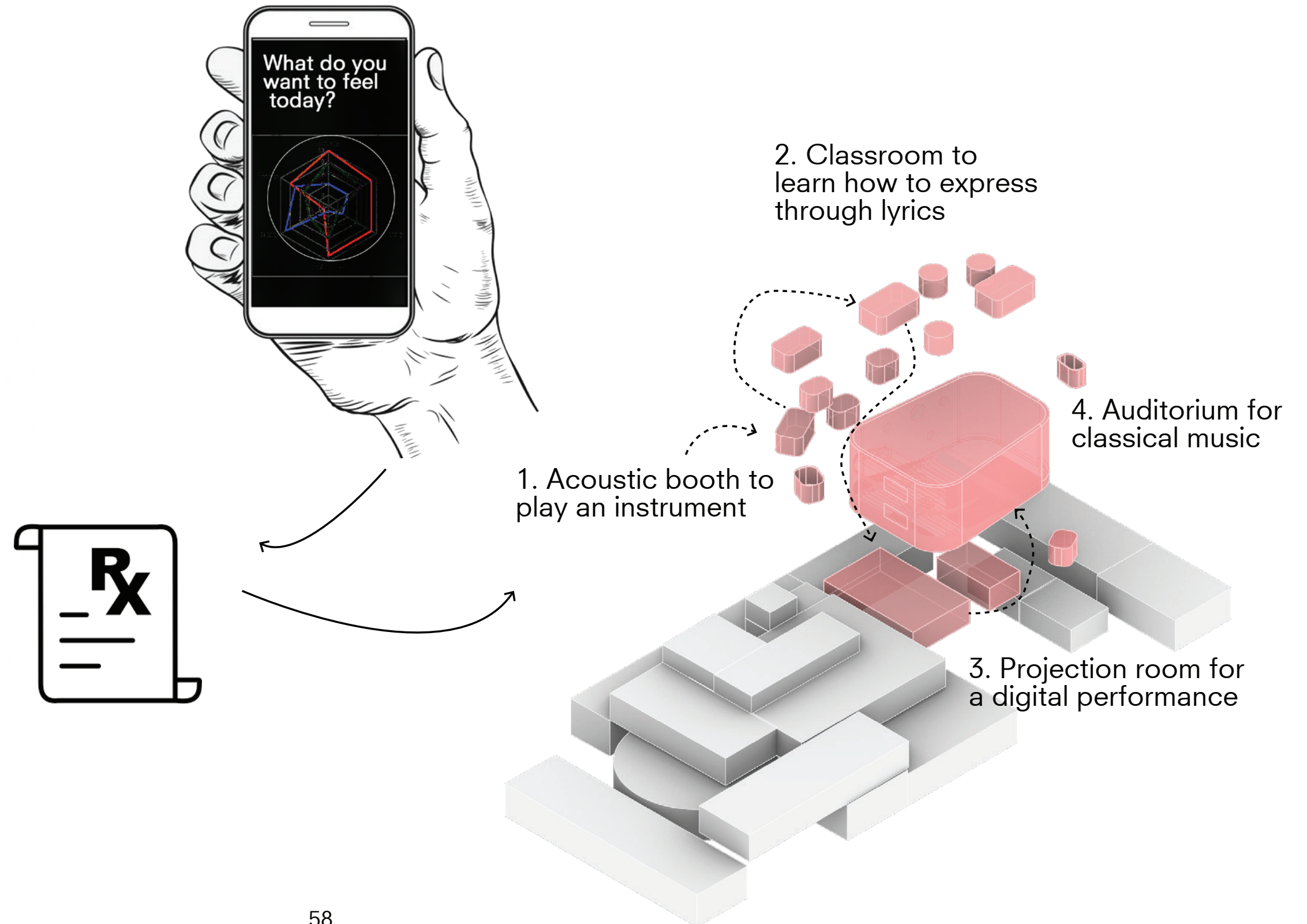
Active(prescribed)space

Personalized activity routing

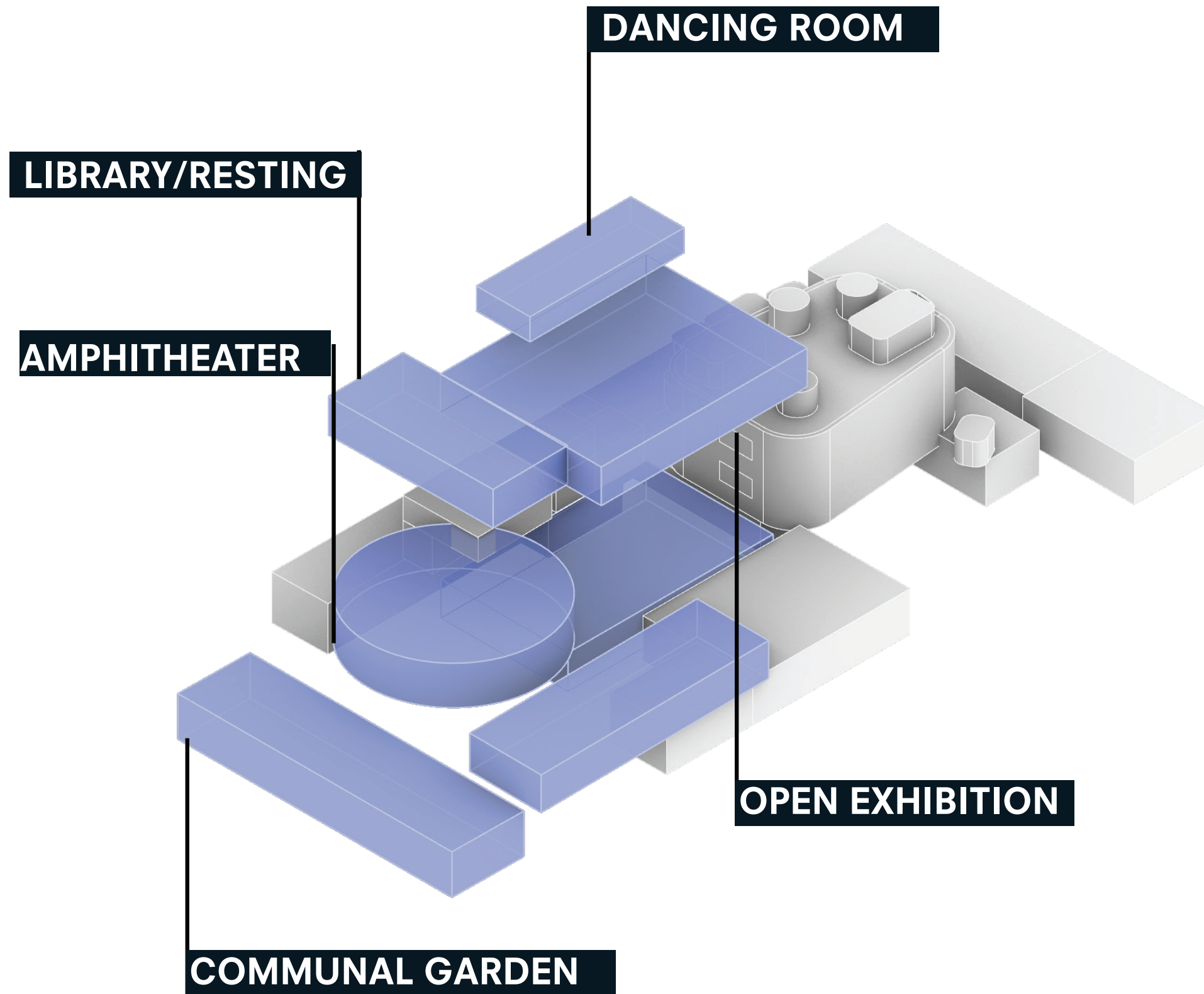


Active(prescribed)space

Personalized activity routing



Passive space



Program organization

Total visitor	3500															
Average stay	3 h															
opening hours	14 h															
Time	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	TOTAL	
percentage of incoming people	5%	5%	5%	2%	8%	5%	10%	15%	15%	15%	7%	5%	2%	1%	100%	
visitors per hour	175	175	175	70	280	175	350	525	525	525	245	175	70	35	3500	

Time	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23		
total visitors inside music marvel	175	350	350	420	630	630	805	1050	1400	1575	1295	945	490	280		
visitors for restaurant/bar	35	70	70	84	126	126	161	210	280	315	259	189	98	56		
visitor for therapy	70	140	140	168	252	252	322	420	560	630	518	378	196	112		

25.2 people per room

*mostly concerthall/ auditoriums/ restaurant that are occupied

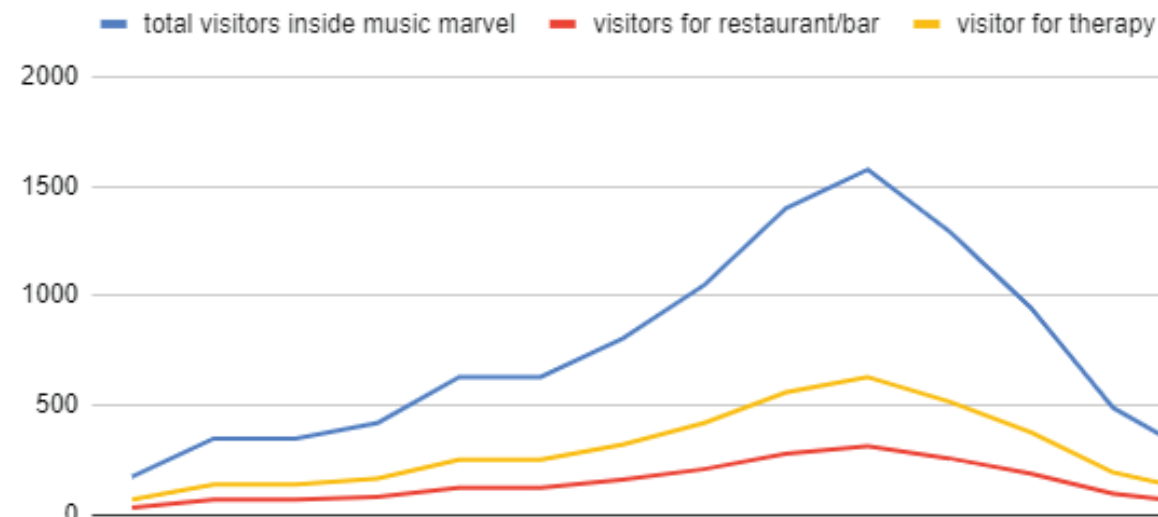
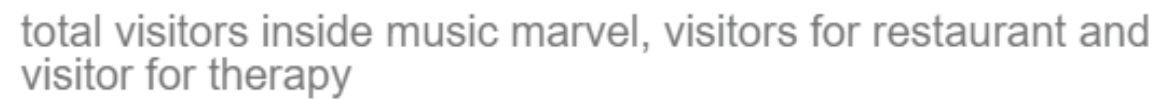
<http://www.worldcitiescultureforum.com/data/average-daily-number-of-visits-to-top-5-art-exhibitions>

Amsterdam population : 821,752 (2015) 100%

Den Haag population: 514,861 (2015) 66%

66% x 3025 = 1994 for 8h of opening time

1994+1500 for 14h of opening time

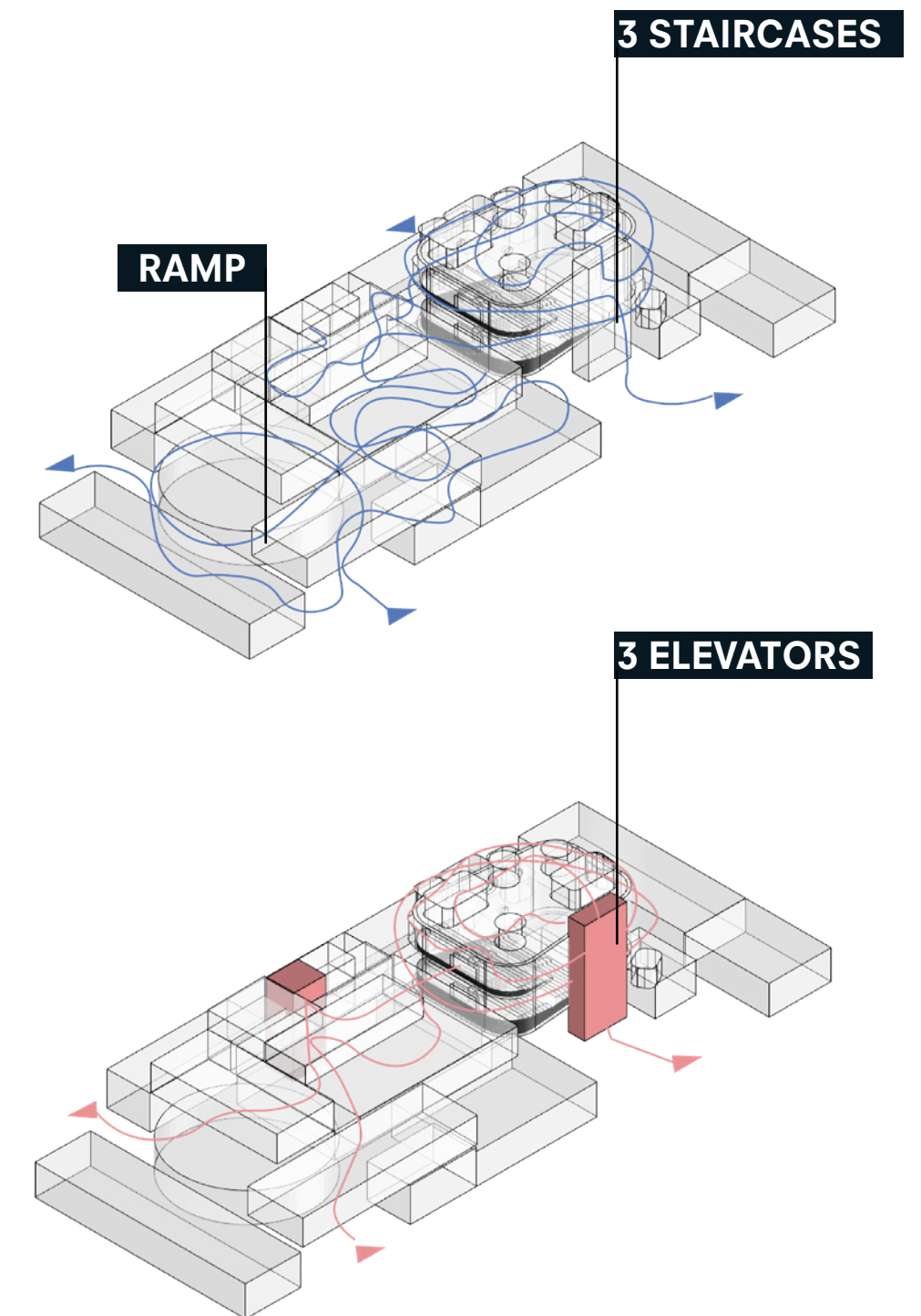
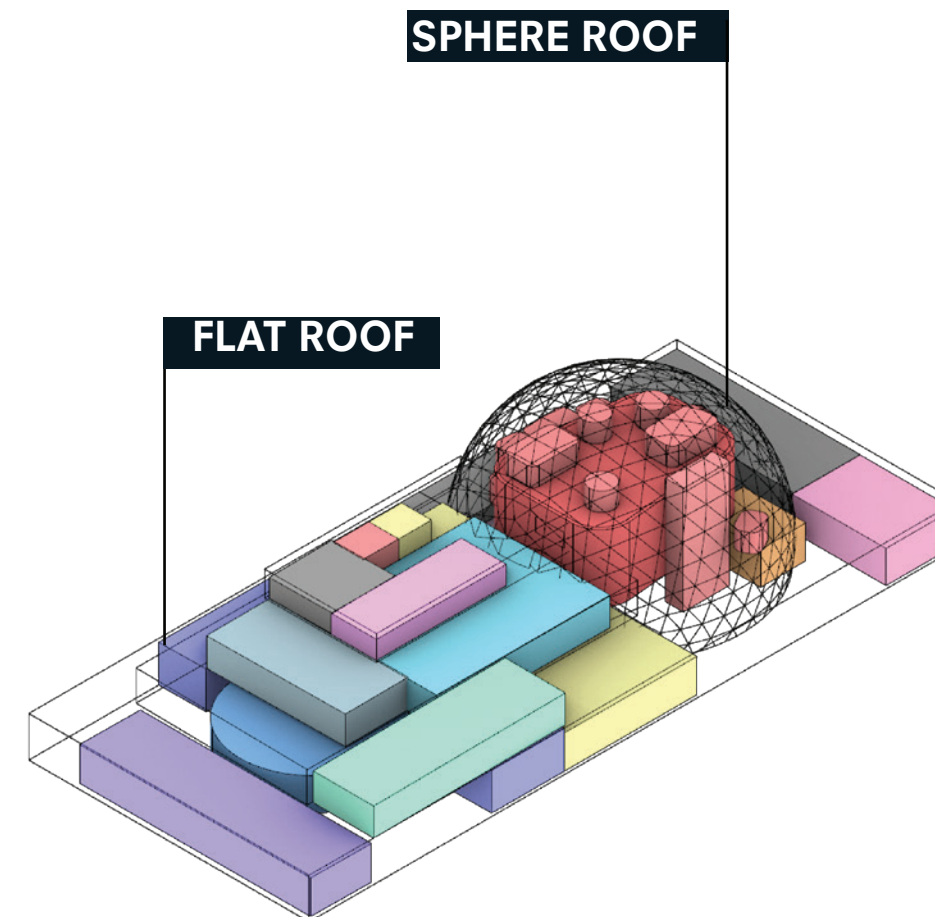
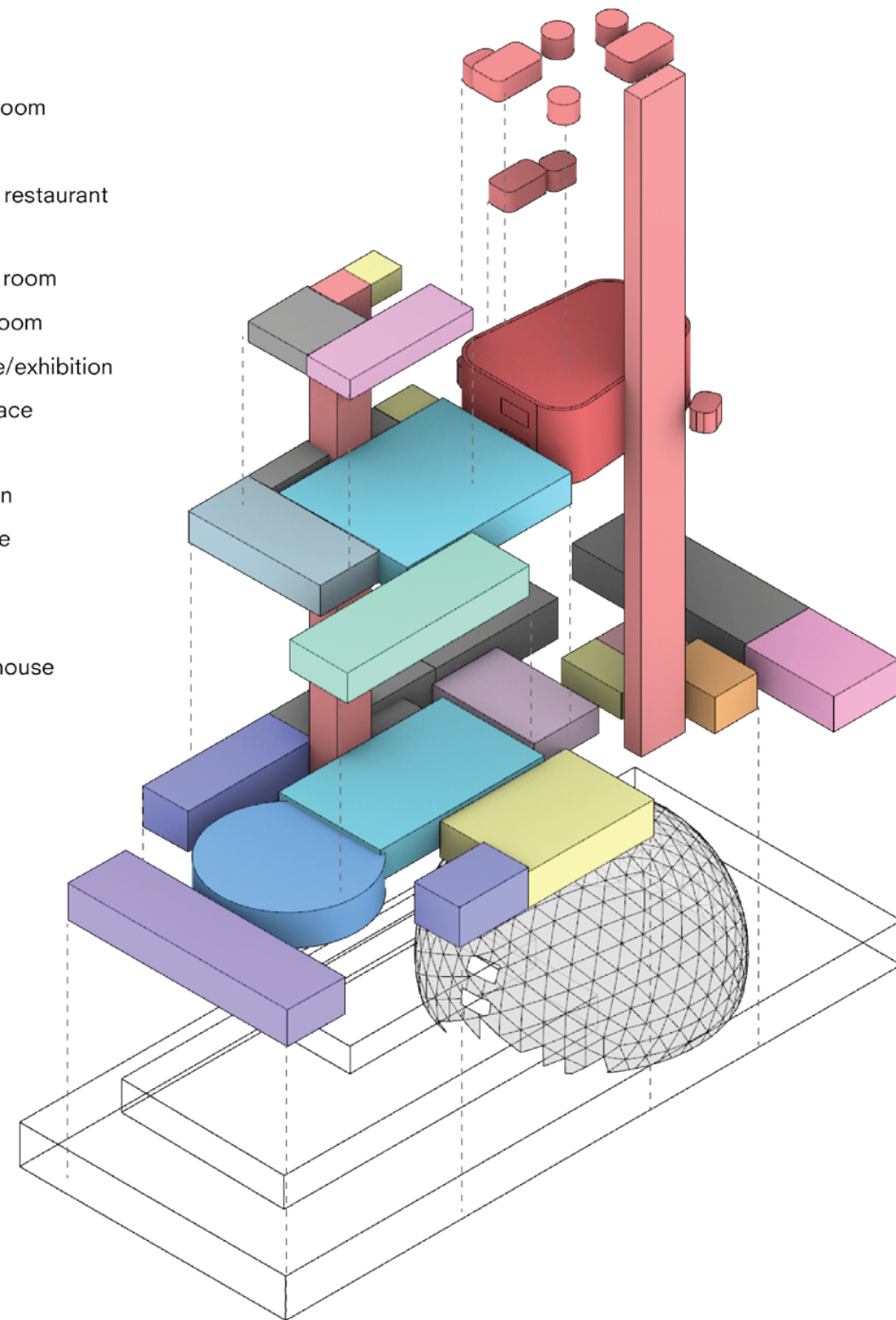


Program organization

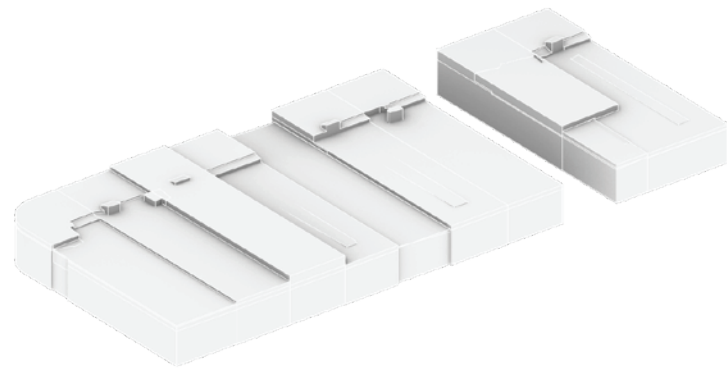
Prescribed spaces						Passive spaces						"Breton does imply a 'therapeutic' role for this form of artistic practice in the Second Surrealist Manifesto when he stated that a person, endowed with any artistic gift, can 'rather than transform his dreams into symptoms, transform them into artistic creations. Thus, he can escape the fate of neurosis and, through this detour, make contact with reality."						
create																		
Activity	Numbers	capacity	total visitors	area per room	total area	Activity	Numbers	capacity	total visitors	area per room	total area							
Studios with acoustic isolation with many types of instr	2	25	50	62.5	125	Kompan brewery	1			1400								
art classrooms	2	25	50	62.5	125	Restaurant	1											
VR room	1	15	15	37.5	37.5	Outside resting space	1											
						Terrace with greenery	1											
						Covered space	1											
sing						Amphitheater	1											
Activity	Numbers	Capacity	rec total visitors	area per room	total area	Studios with acoustic isolatic	4											
Recording studio	2	10	20	25	50	Communal kitchen	1											
Karaoke rooms	4	5	20	12.5	50	Lockers	1											
Vocal training rooms	2	5	10	12.5	25	WC	20											
Collective singing choir	1	30	30	75	75													
VR	1	15	15	37.5	37.5													
listen																		
Activity	Numbers	Capacity	total visitors	area per room	total area	Activity	Numbers	Capacity	total visitors	area per room	total area							
Multi form theater	1	500	500	700	700	Multi form theater	1	500	500	700	700							
Concert hall	1	500	500	700	700	Concert hall	1	500	500	1000	1000							
personal/private consultation rooms	2	5	10	12.5	25													
space with music and projections	1	100	100	250	250													
dance																		
Activity	Numbers	Capacity	total visitors	area	total area													
Multi form theater	1	500	500	700	700													
Concert hall	1	1000	1000	1000	1000													
room with mirrors to dance	1	25	25	62.5	62.5													
club	1	300	300	300	300													
changing room			0		0													
BWC			0		0													
VR	1	50	50	125	125													
write																		
Activity	Numbers	Capacity	total visitors	area	total area													
classroom with desks	2	25	50	62.5	125													
outside space with greenery for inspiration	1	25	25	62.5	62.5													
play																		
Activity	Numbers	Capacity	total visitors	area	total area													
Multi form theater	1	500	500		0													
Concert hall	1	1000	1000		0													
changing room			0		0													
BWC			0		0													
small studio	2	10	20	50	100													
total number of rooms for patients	23																	
teachers rooms	1																	
office																		
reception																		

Program & circulation

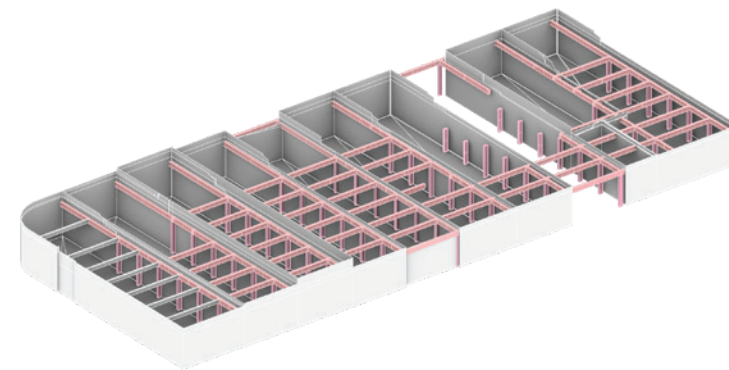
- Auditorium
- Acoustic pods
- Elevators
- Office/Teacher's room
- Bicycle parking
- Kompaan bar and restaurant
- Recording studio
- Projection and VR room
- Dance rehearsal room
- Open event space/exhibition
- Library/resting space
- Amphitheater
- Community garden
- Restaurant storage
- Bathrooms
- Terrace
- Loading/back of house



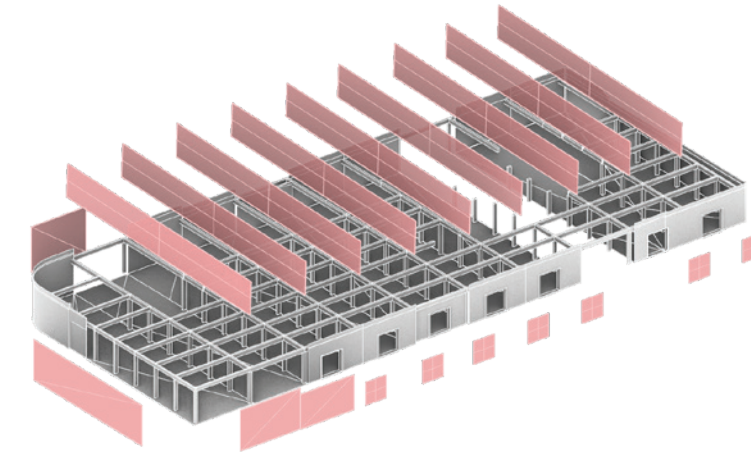
Design concept



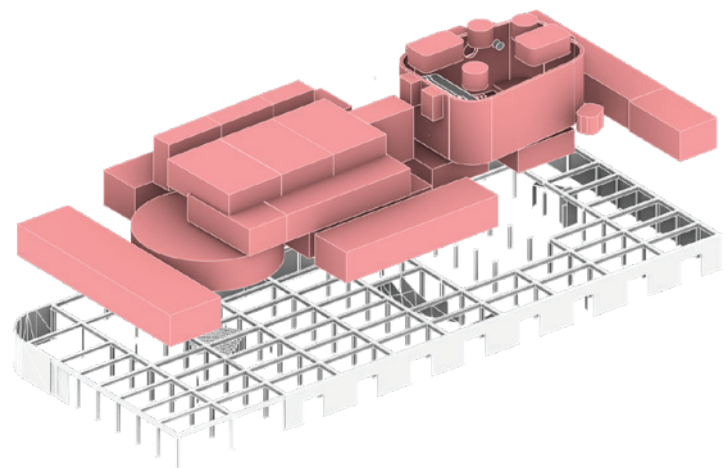
EXISTING



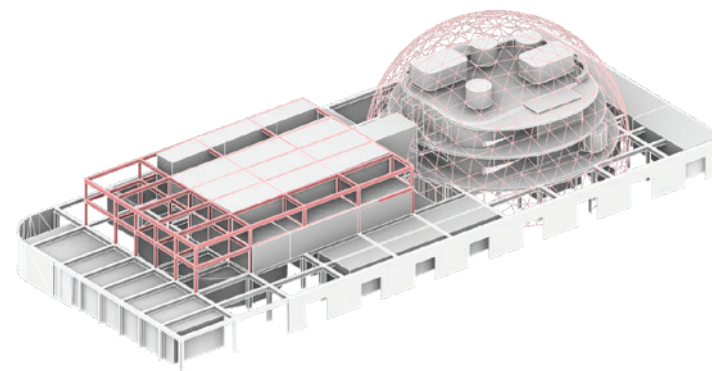
REINFORCING



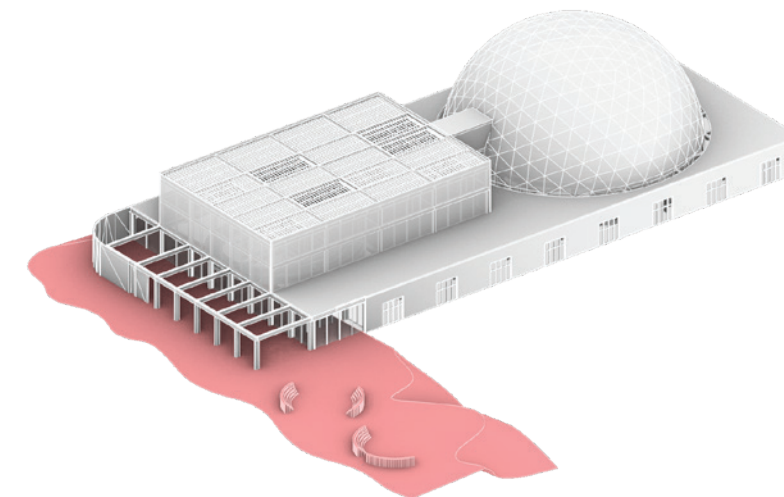
OPENING



ADDING



IMPLEMENTING

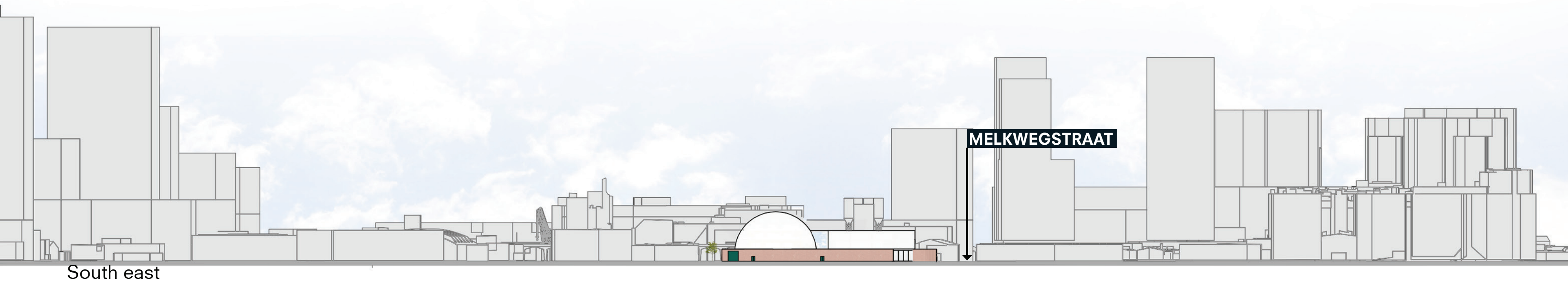
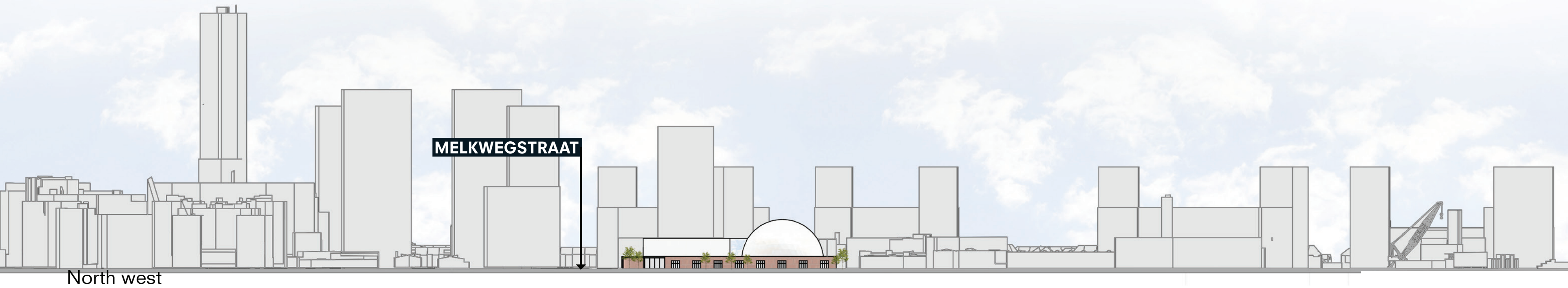


CONNECTING

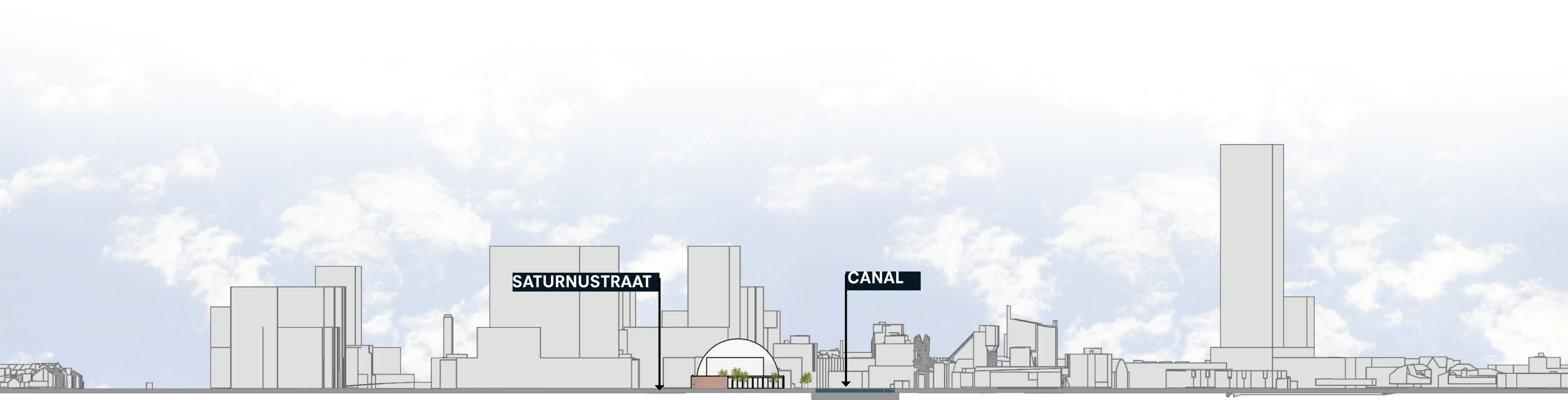




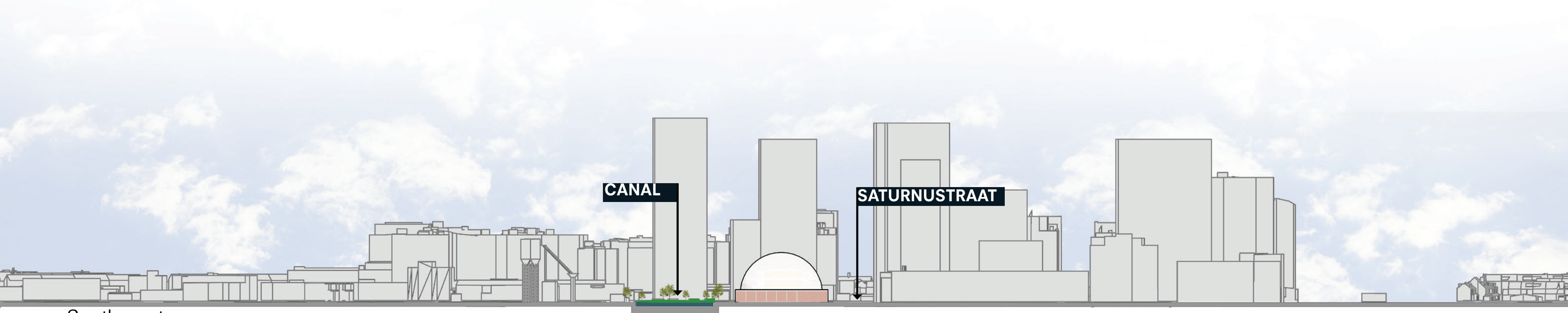
The site section



The site section

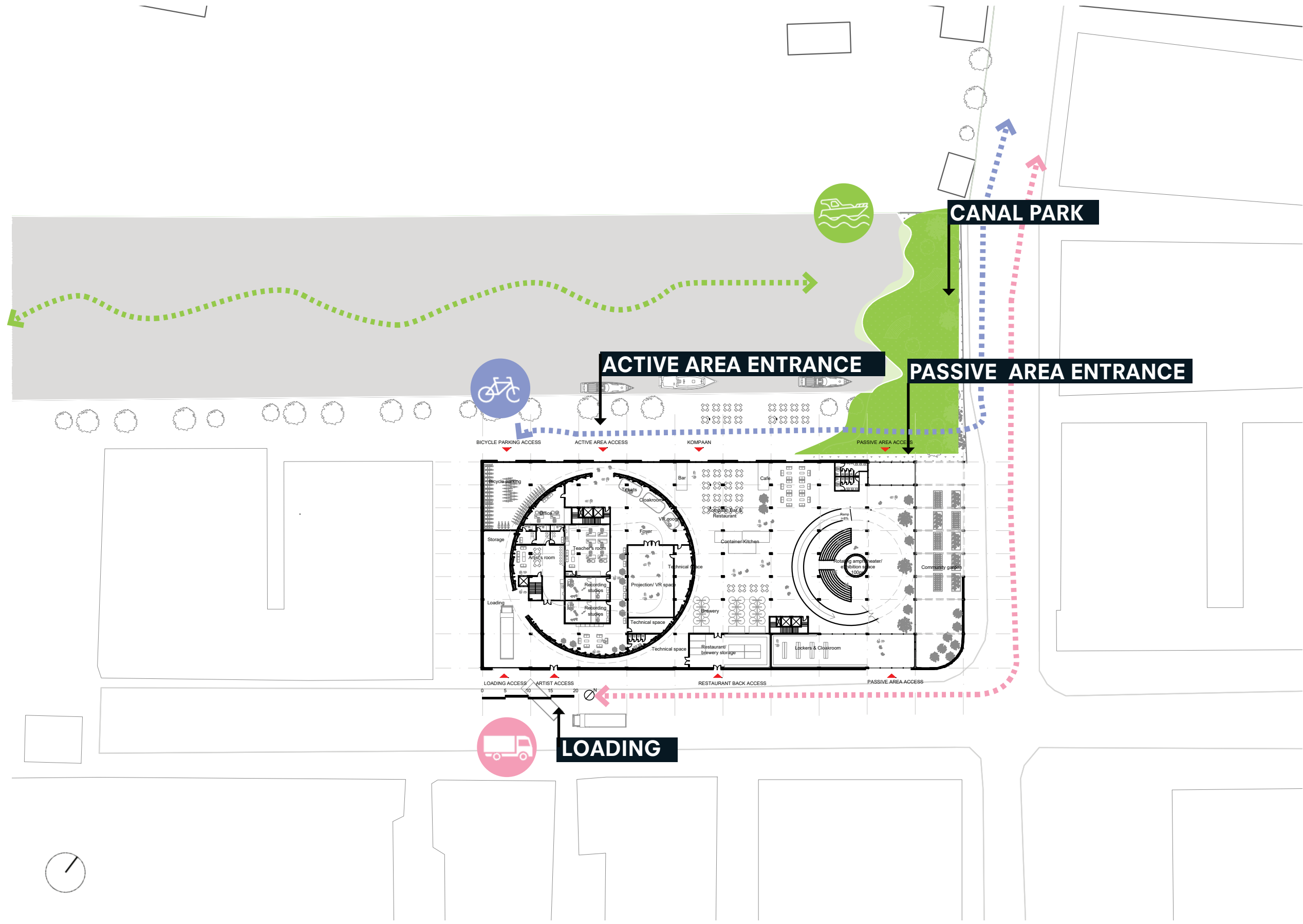


North east



South west

Urban implementation



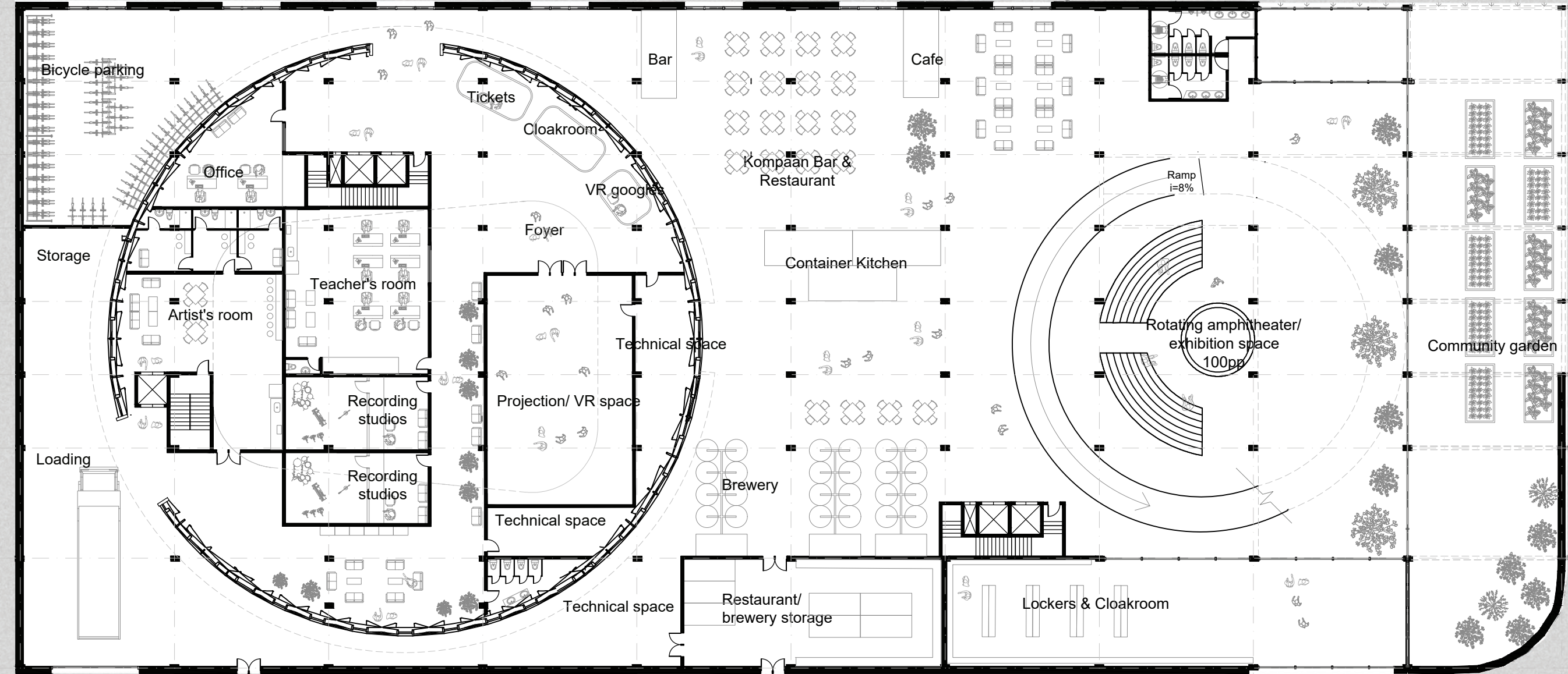
Ground Floor

BICYCLE PARKING ACCESS

ACTIVE AREA ACCESS

KOMPAAN

PASSIVE AREA ACCESS



LOADING ACCESS

ARTIST ACCESS

RESTAURANT BACK ACCESS

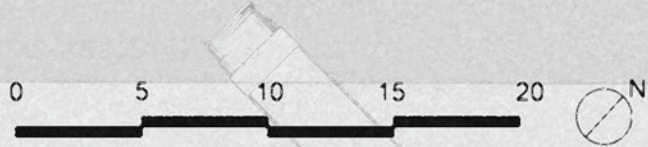
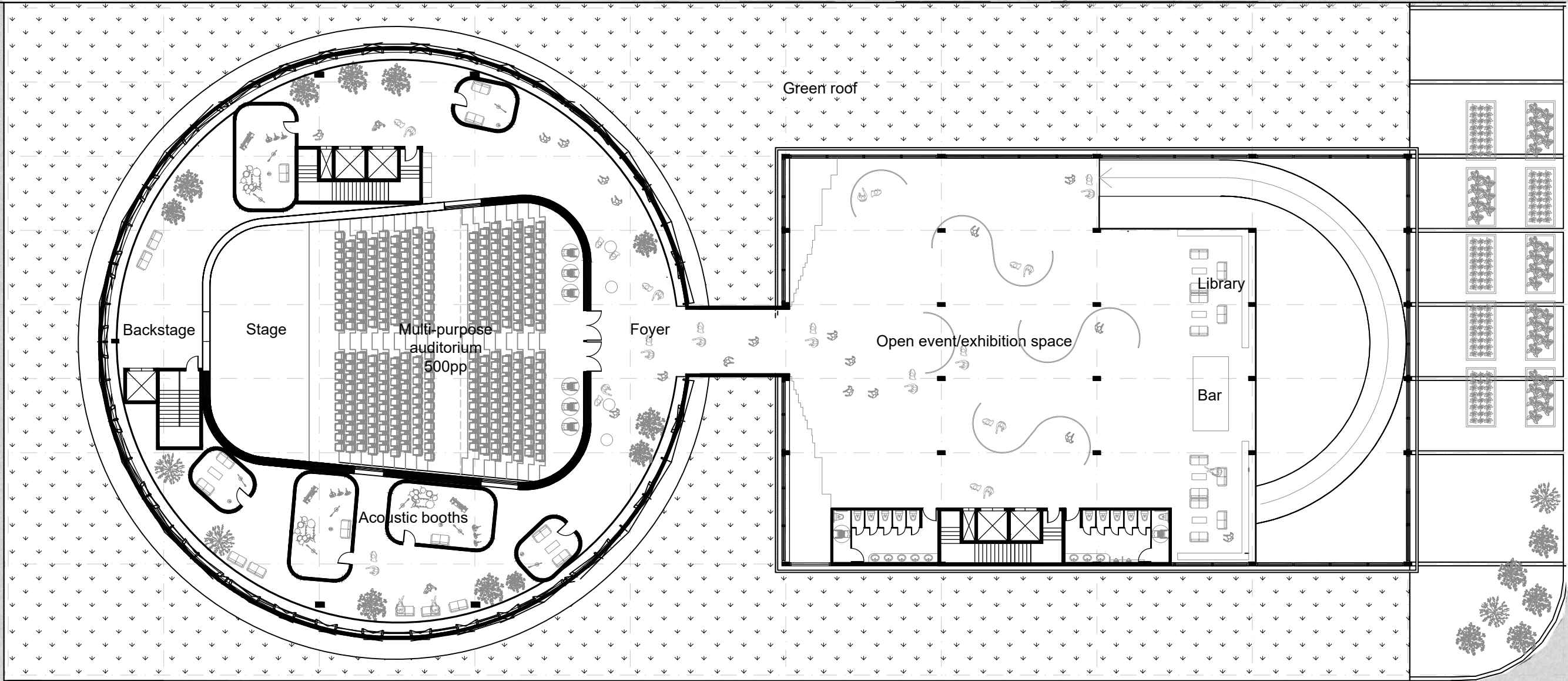
PASSIVE AREA ACCESS



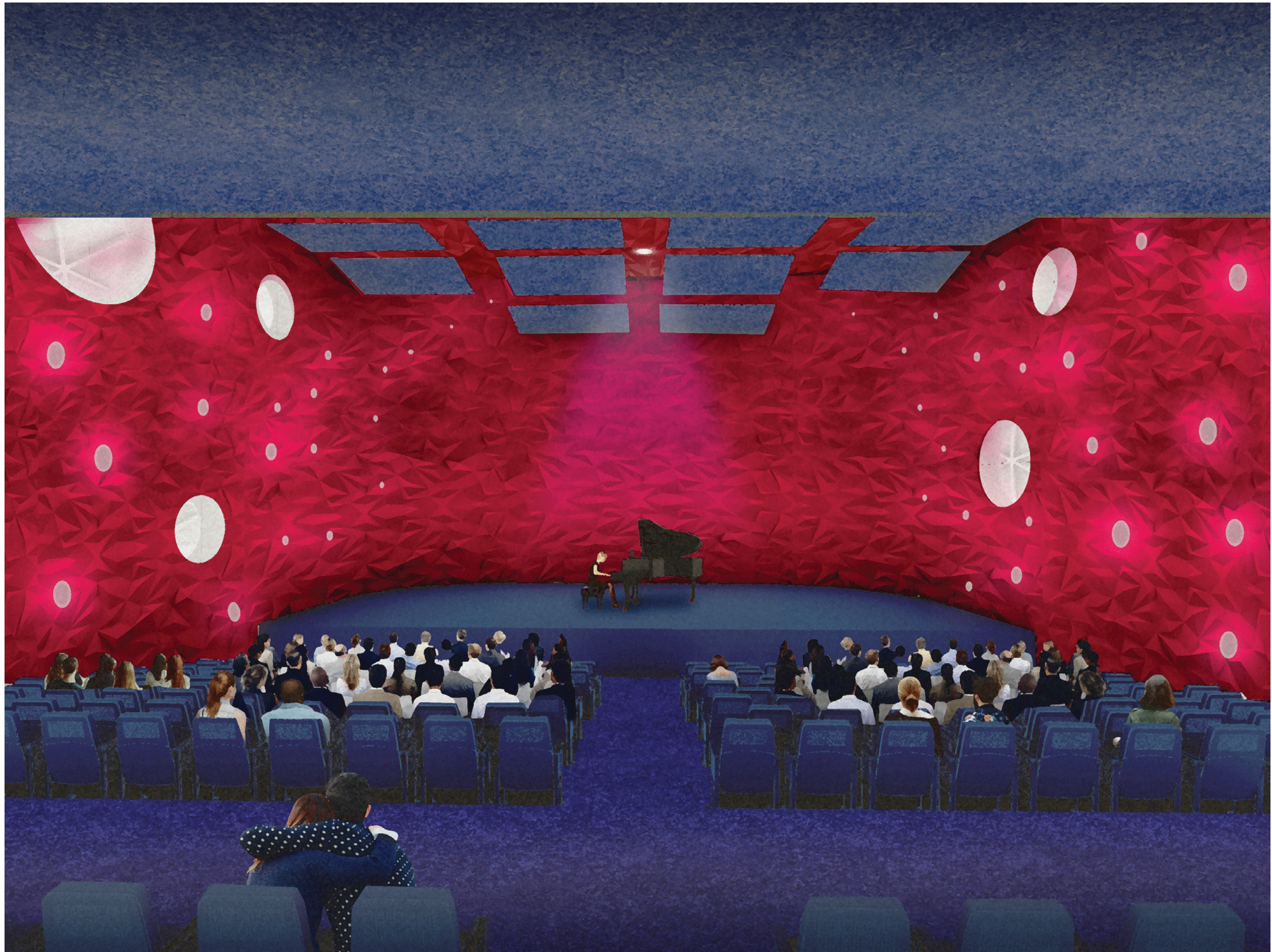




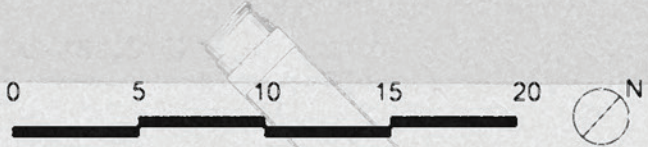
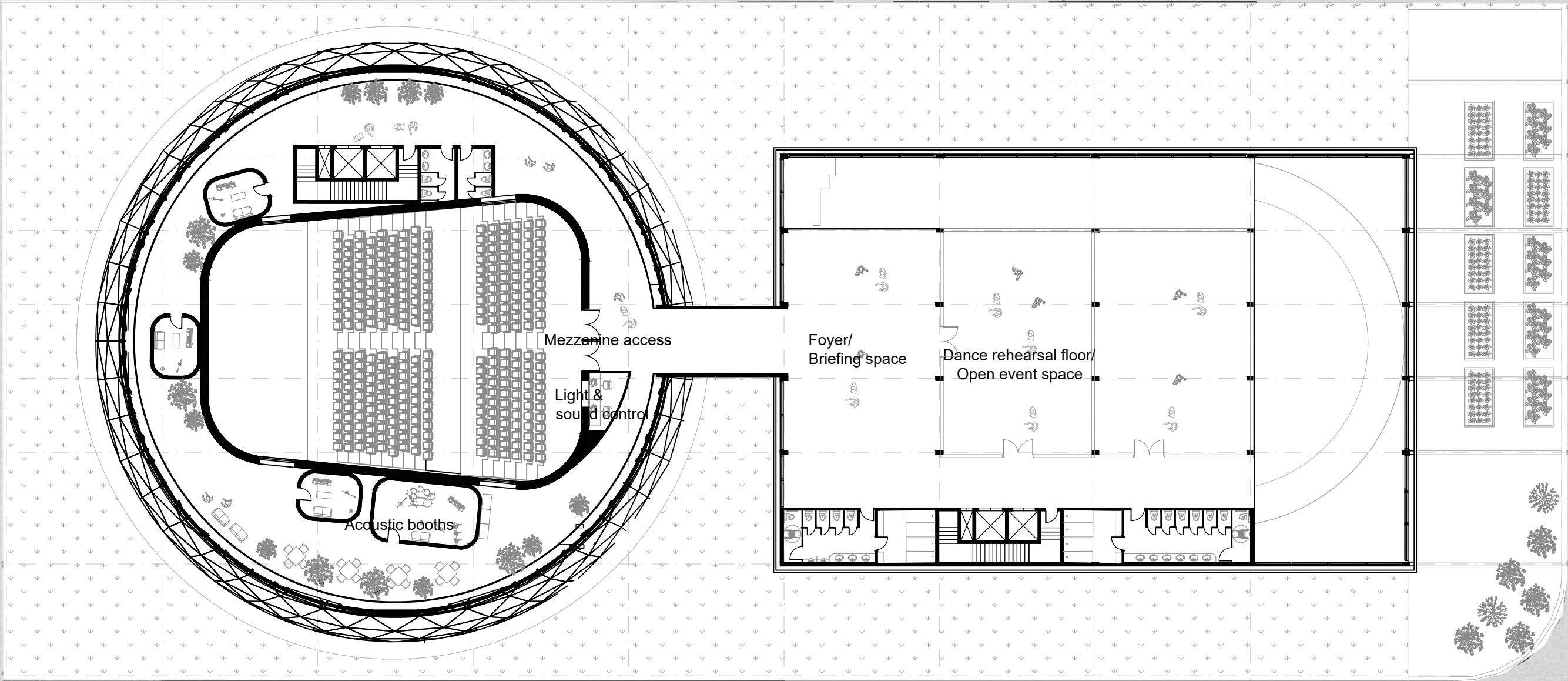
1st Floor







2nd Floor

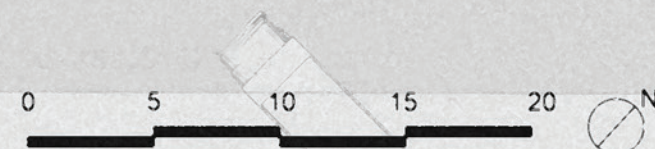
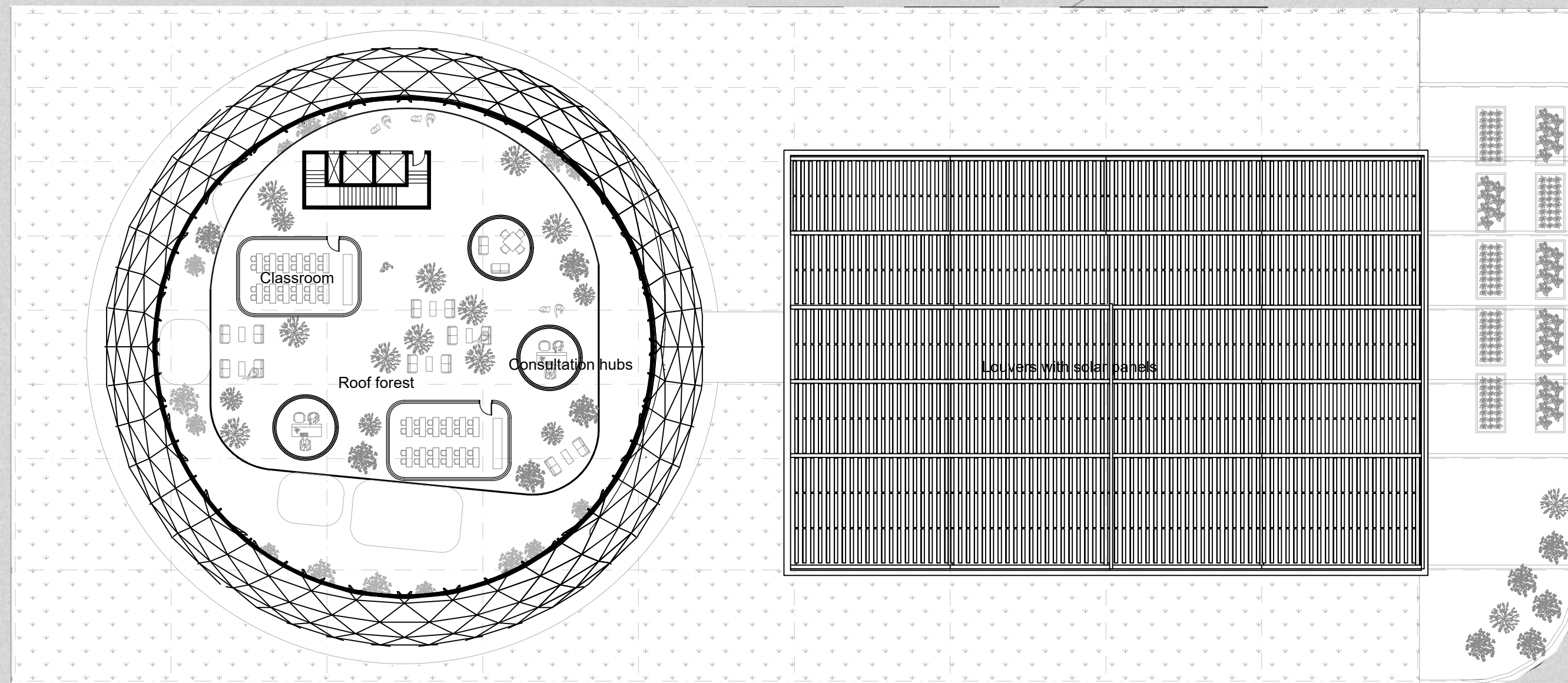








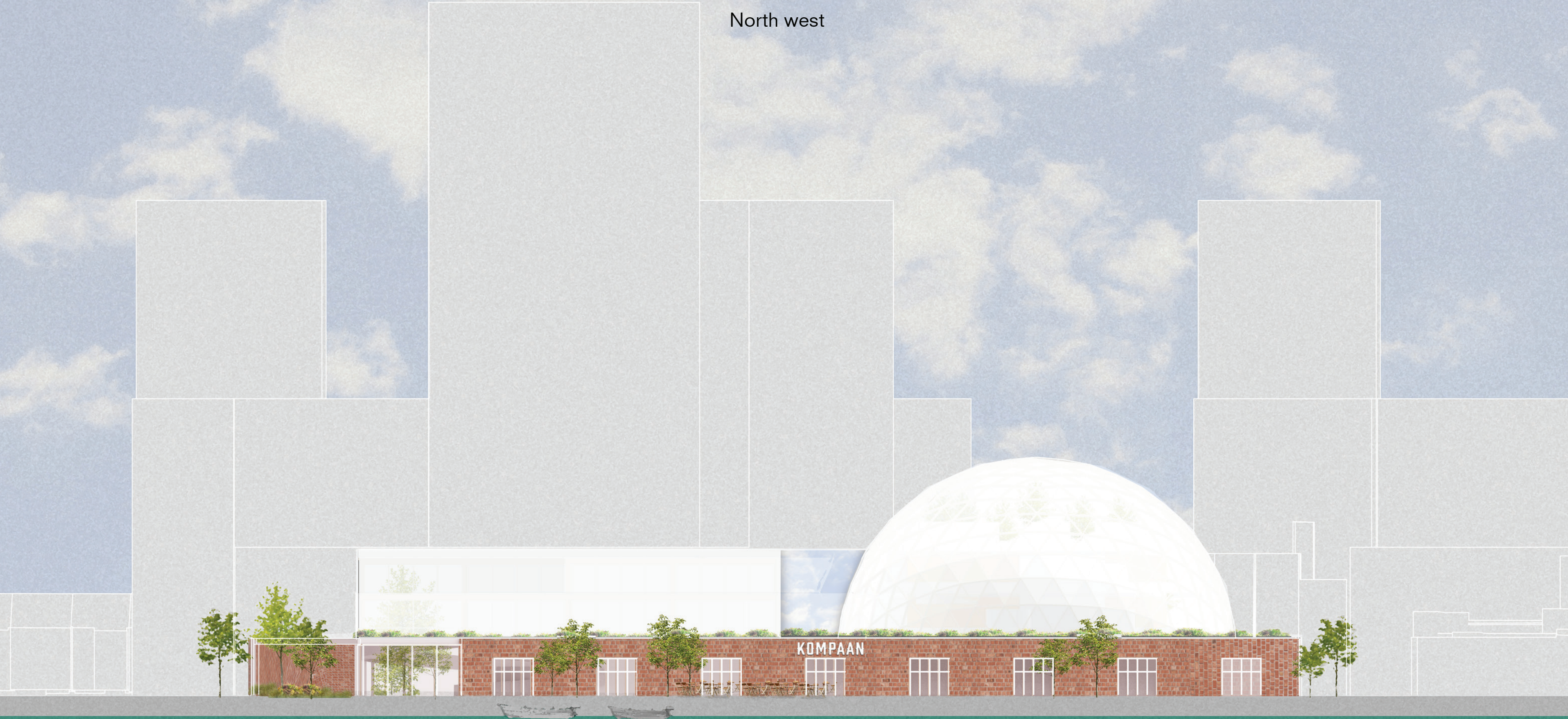
3rd Floor





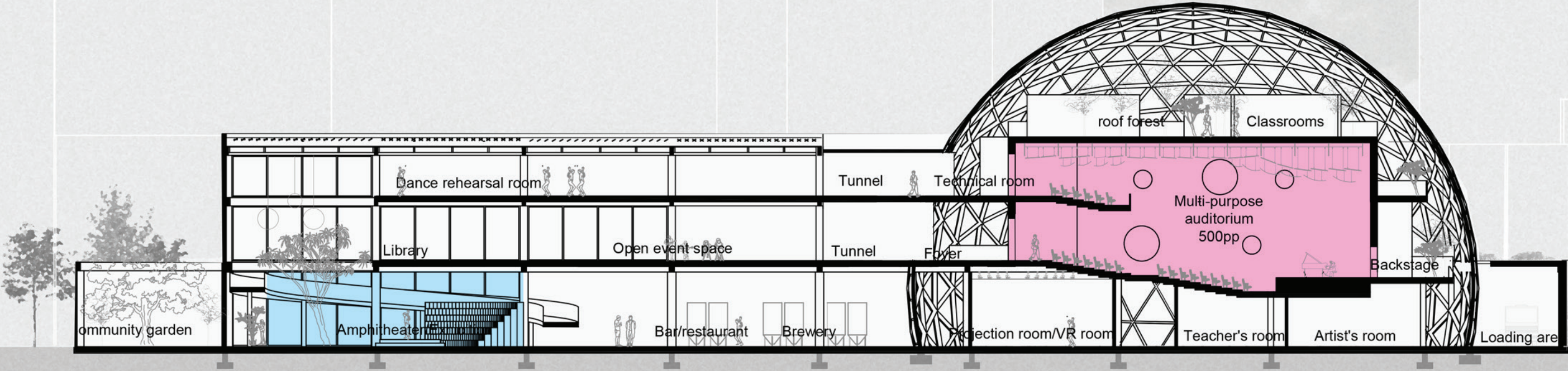
Elevation

North west



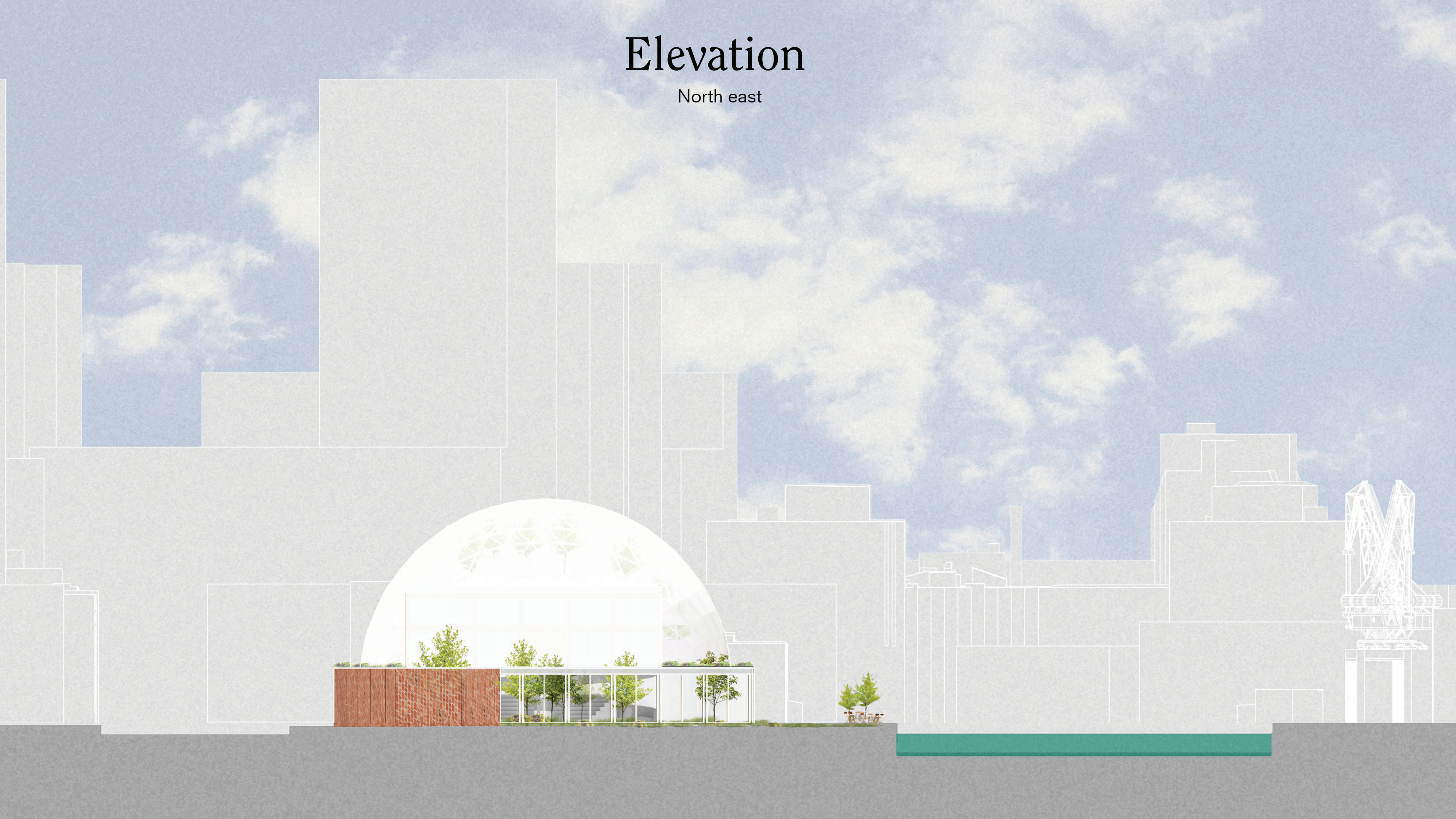
Section

North west

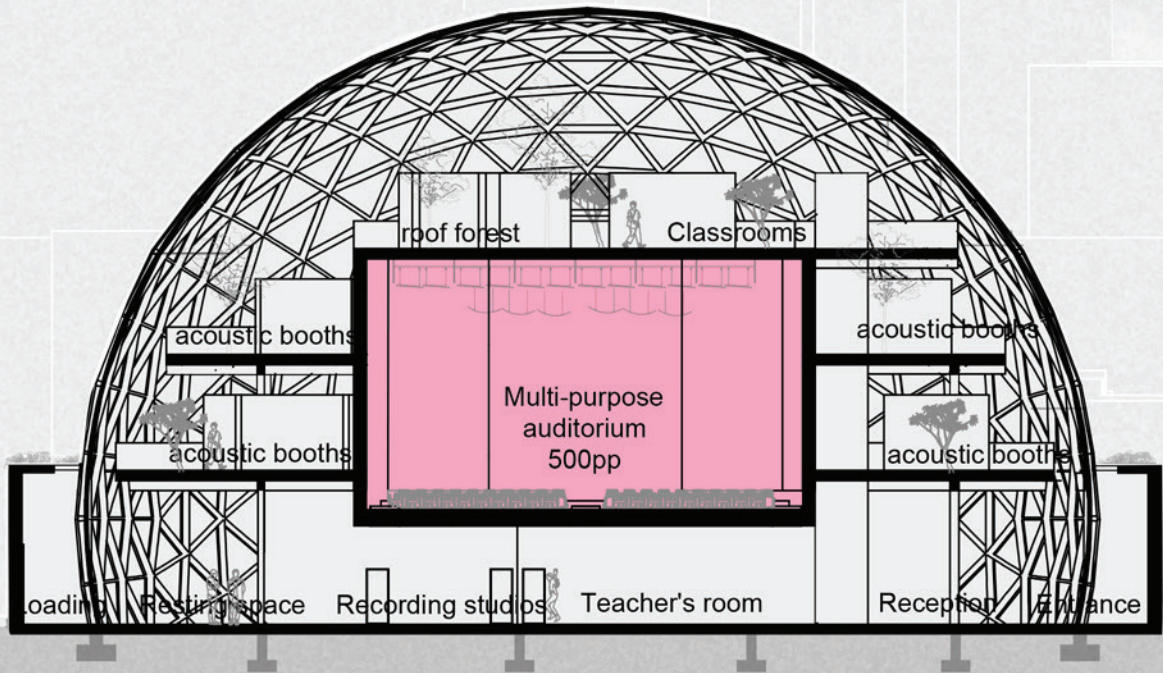


Elevation

North east



Section



Materiality



Materiality



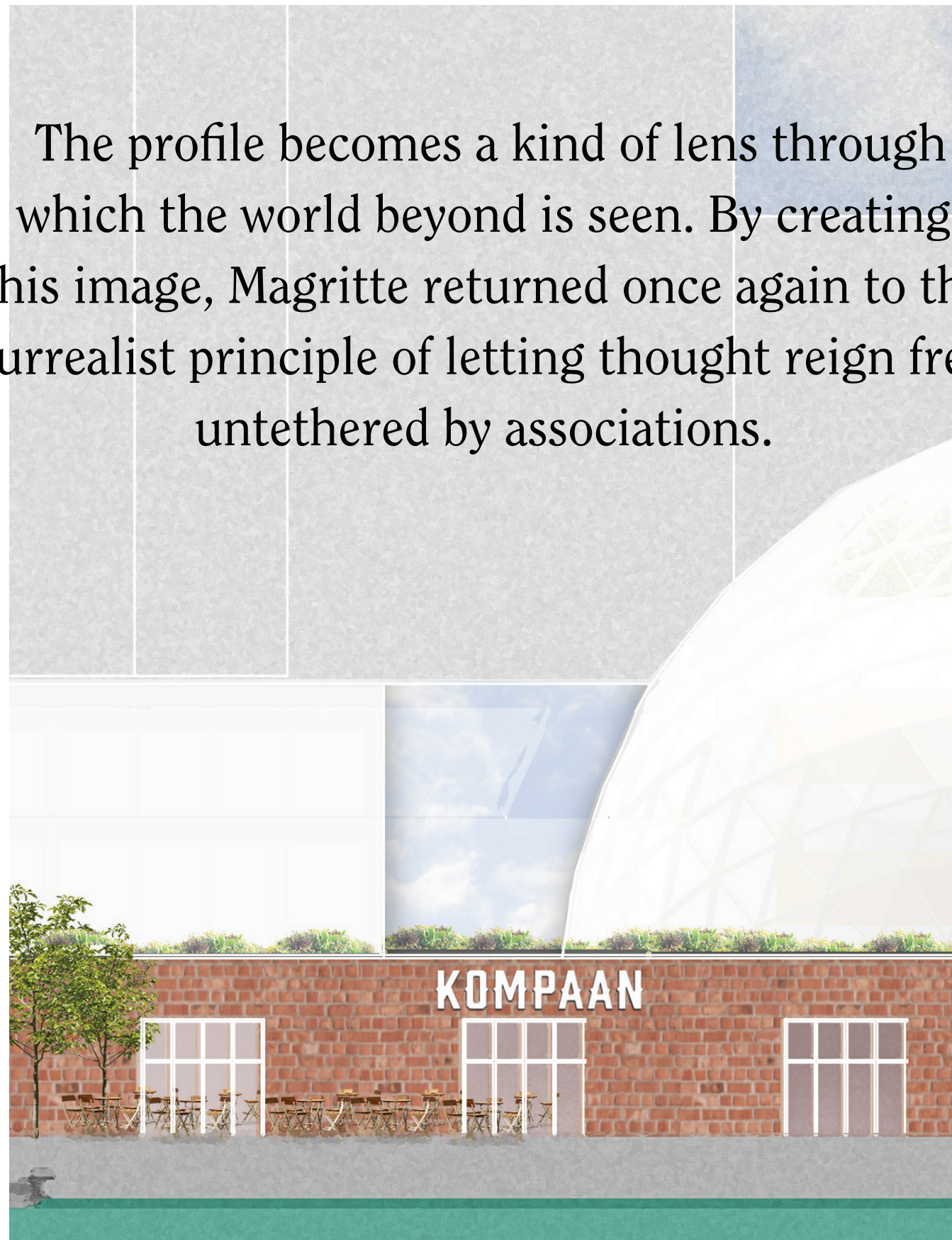
Materiality



Materiality



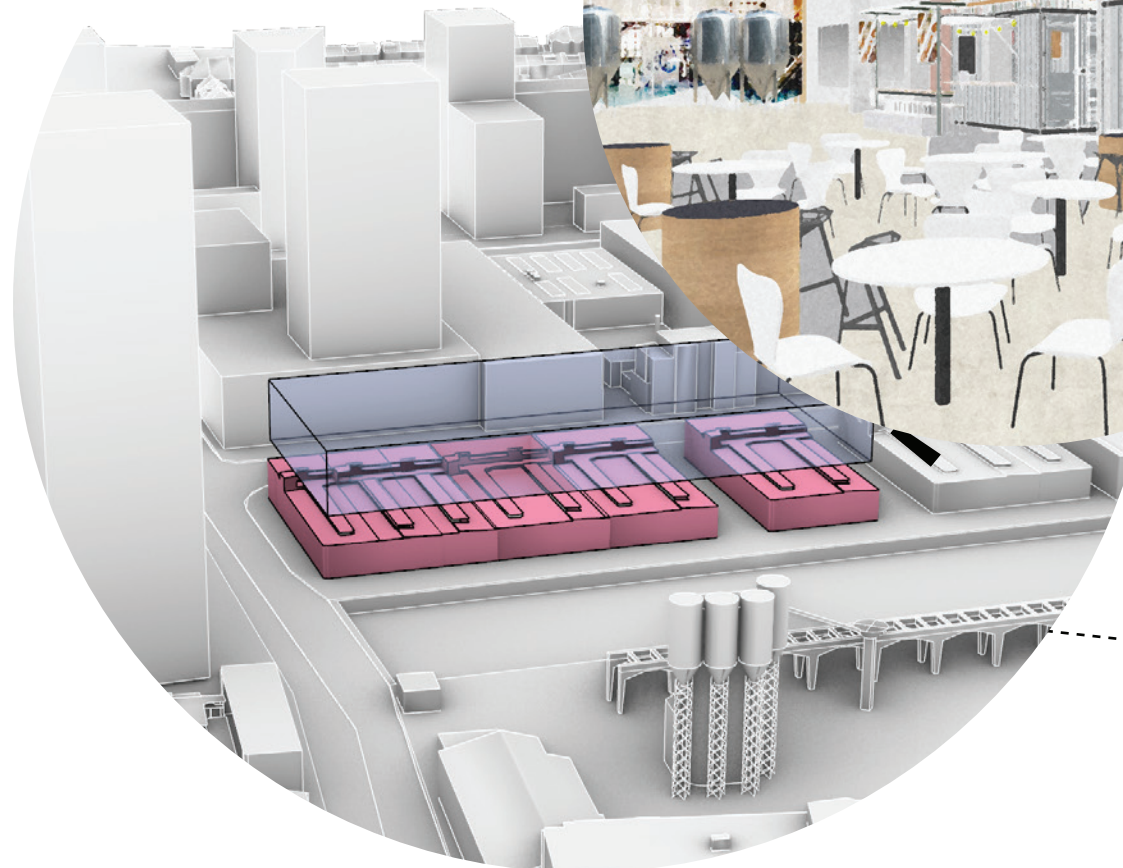
The profile becomes a kind of lens through which the world beyond is seen. By creating this image, Magritte returned once again to the Surrealist principle of letting thought reign free, untethered by associations.



Circularity & sustainability

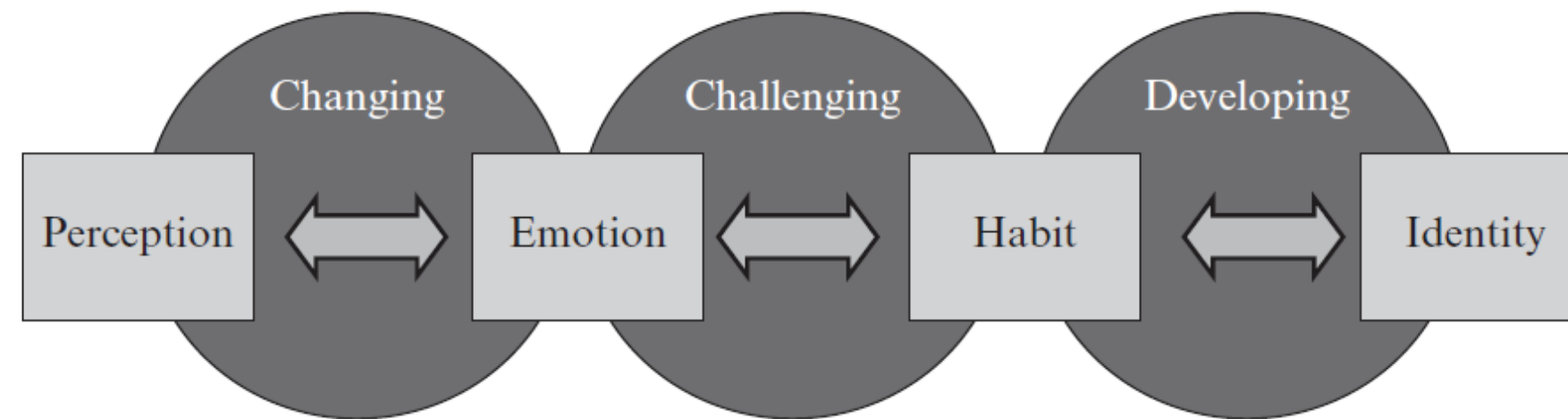


Circularity & sustainability



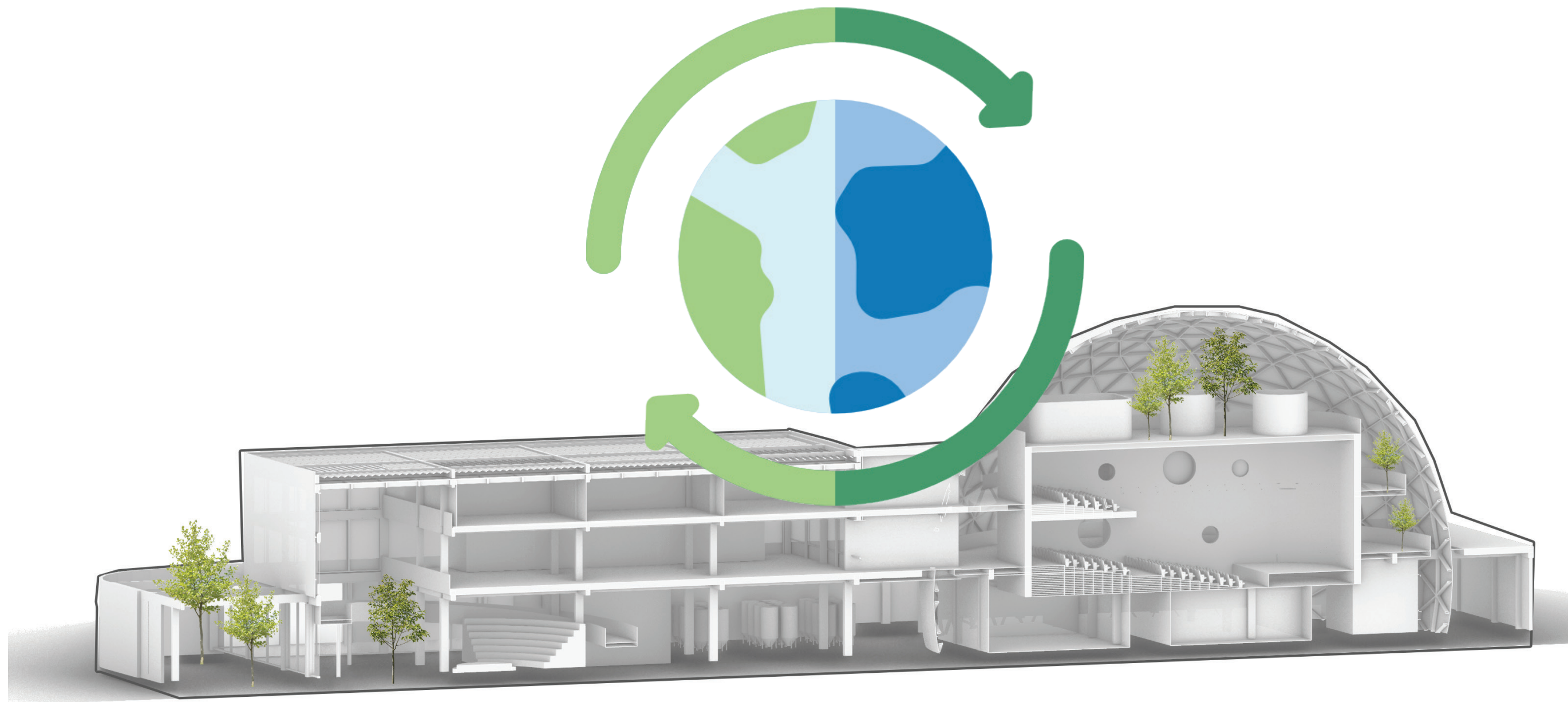
Circularity & sustainability

From individuality to collectivity
From ignorance to sustainability



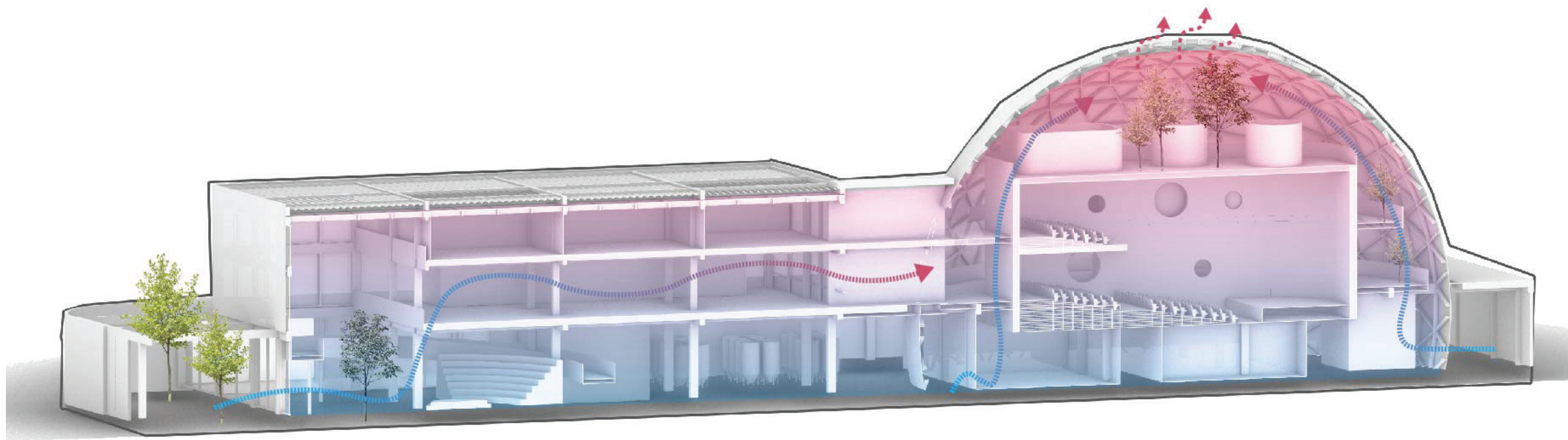
If the experience is strong enough,
it can actually go and transform the
habits or identity.

Climate concept



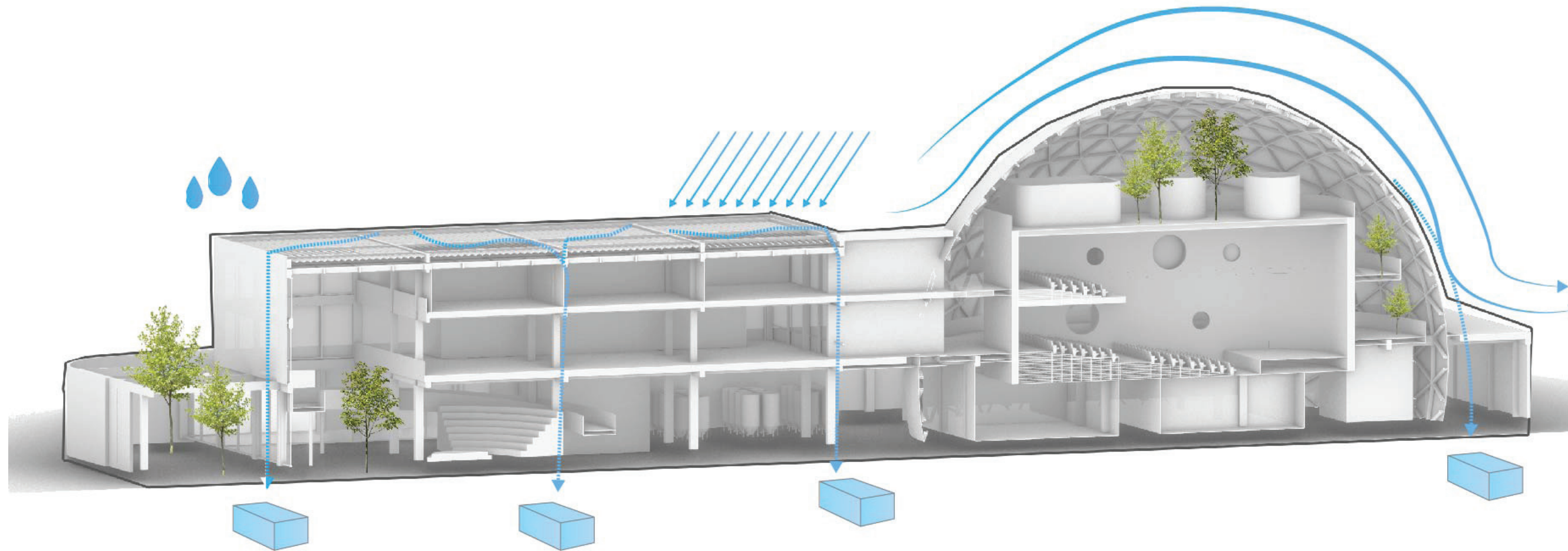
Climate concept

Natural air flow & ventilation



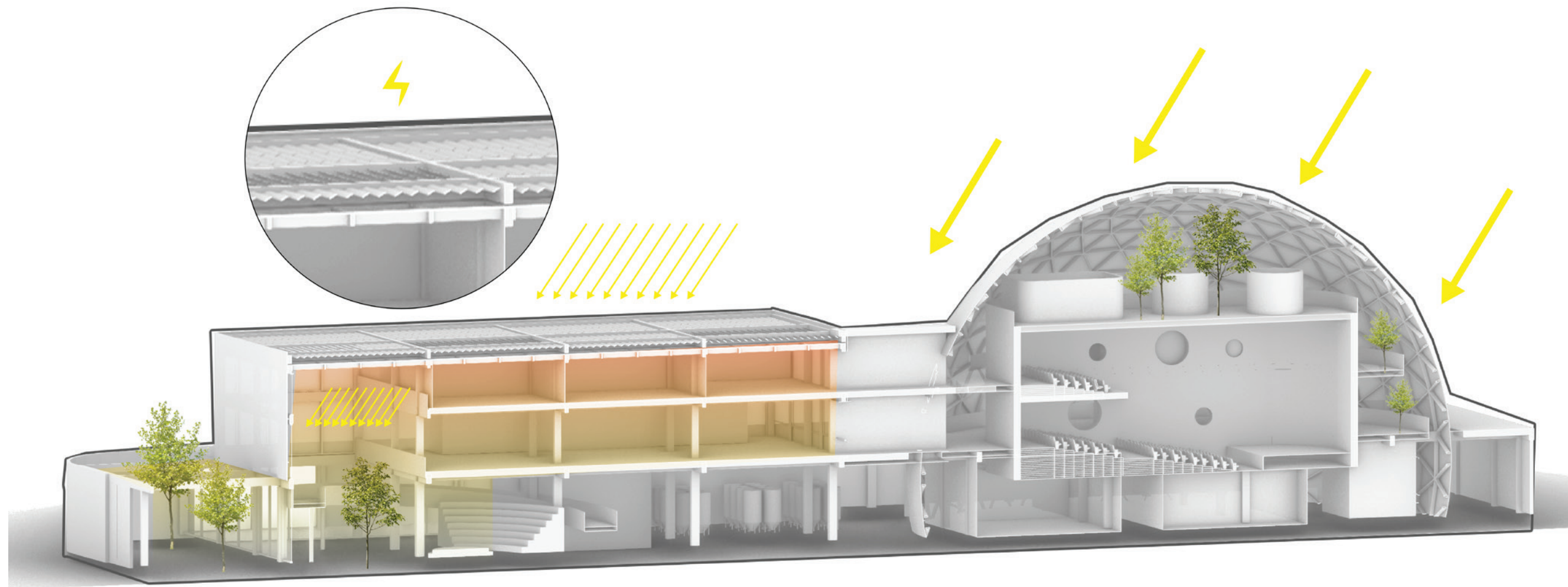
Climate concept

Wind resistance and rain water collection



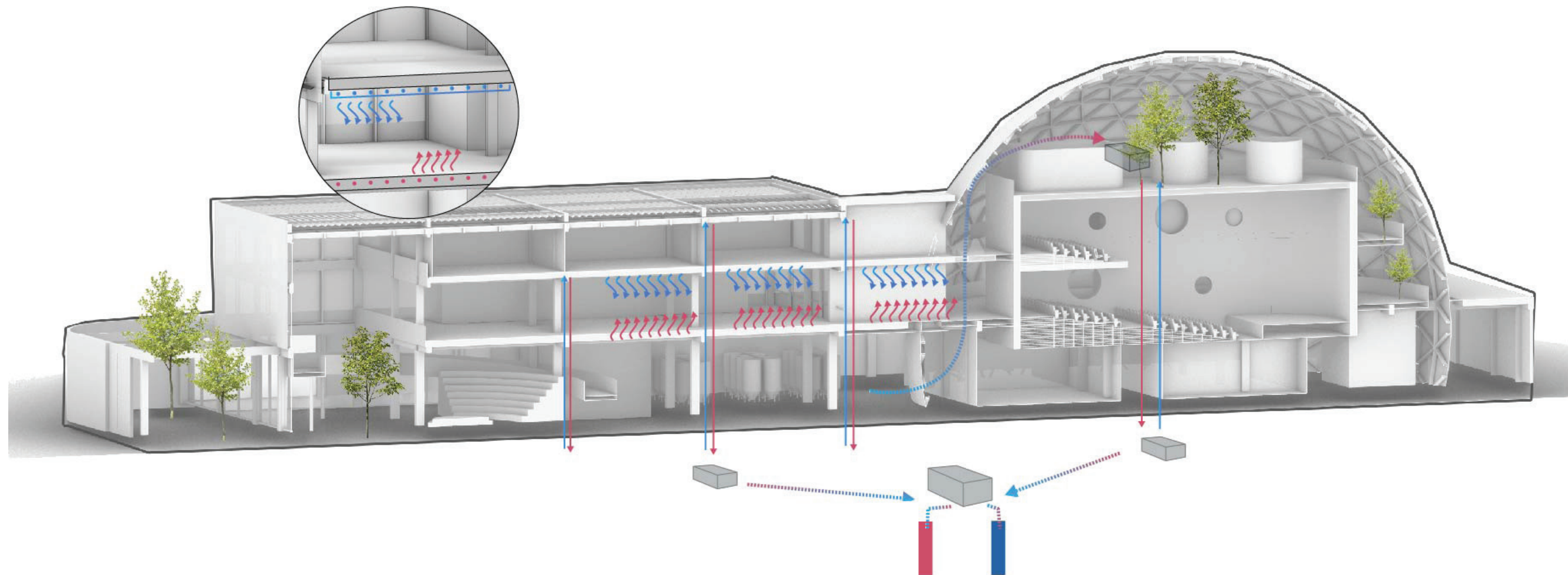
Climate concept

Uniform sun gain, solar energy and natural light

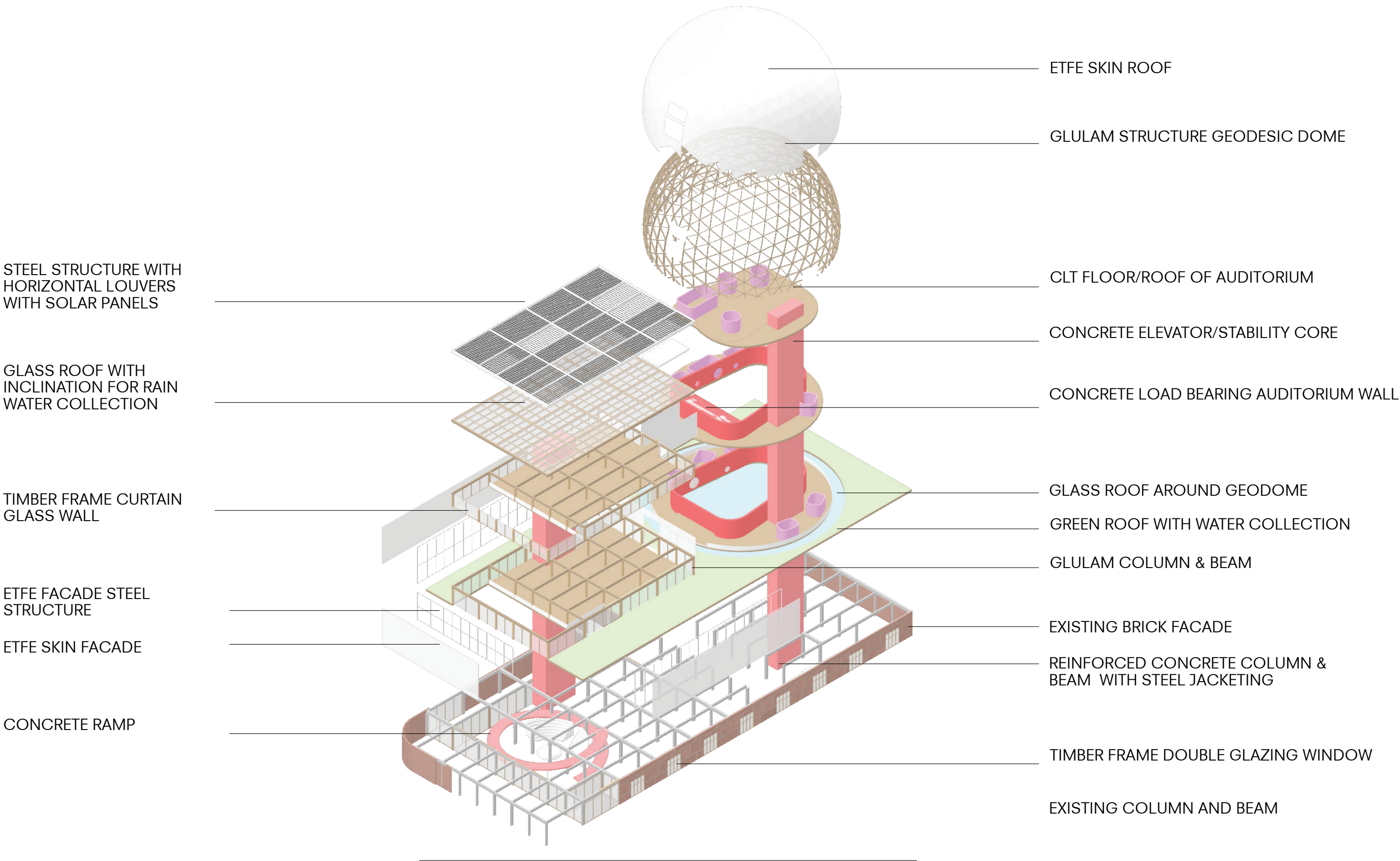


Climate concept

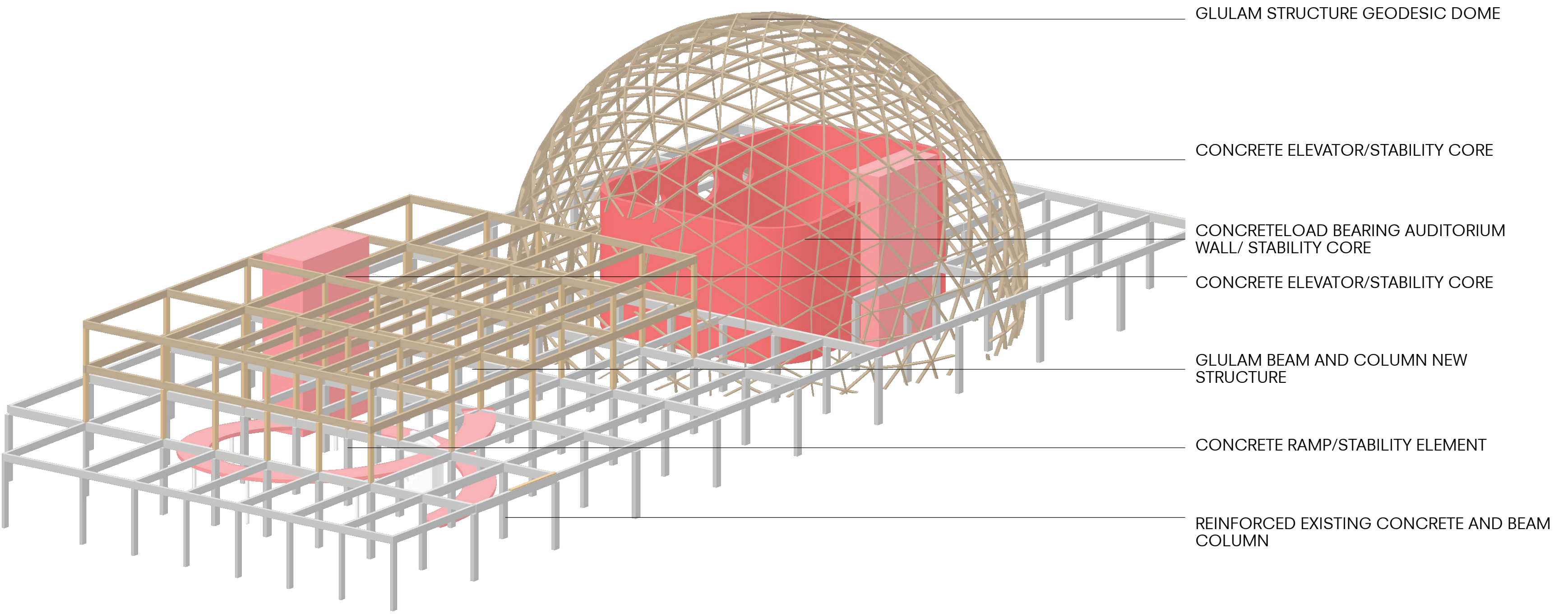
Passive heating & cooling system
with air suction and geothermal energy



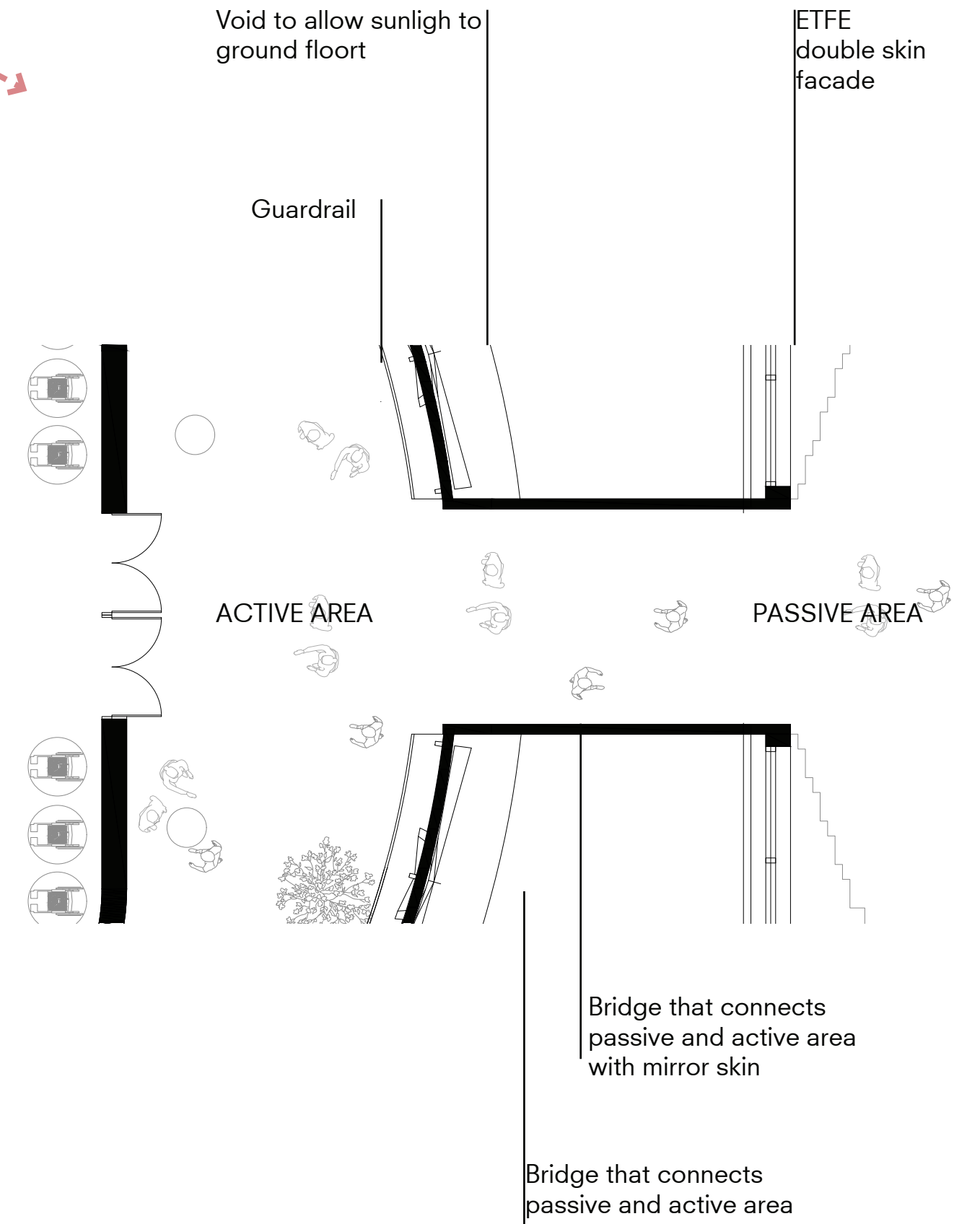
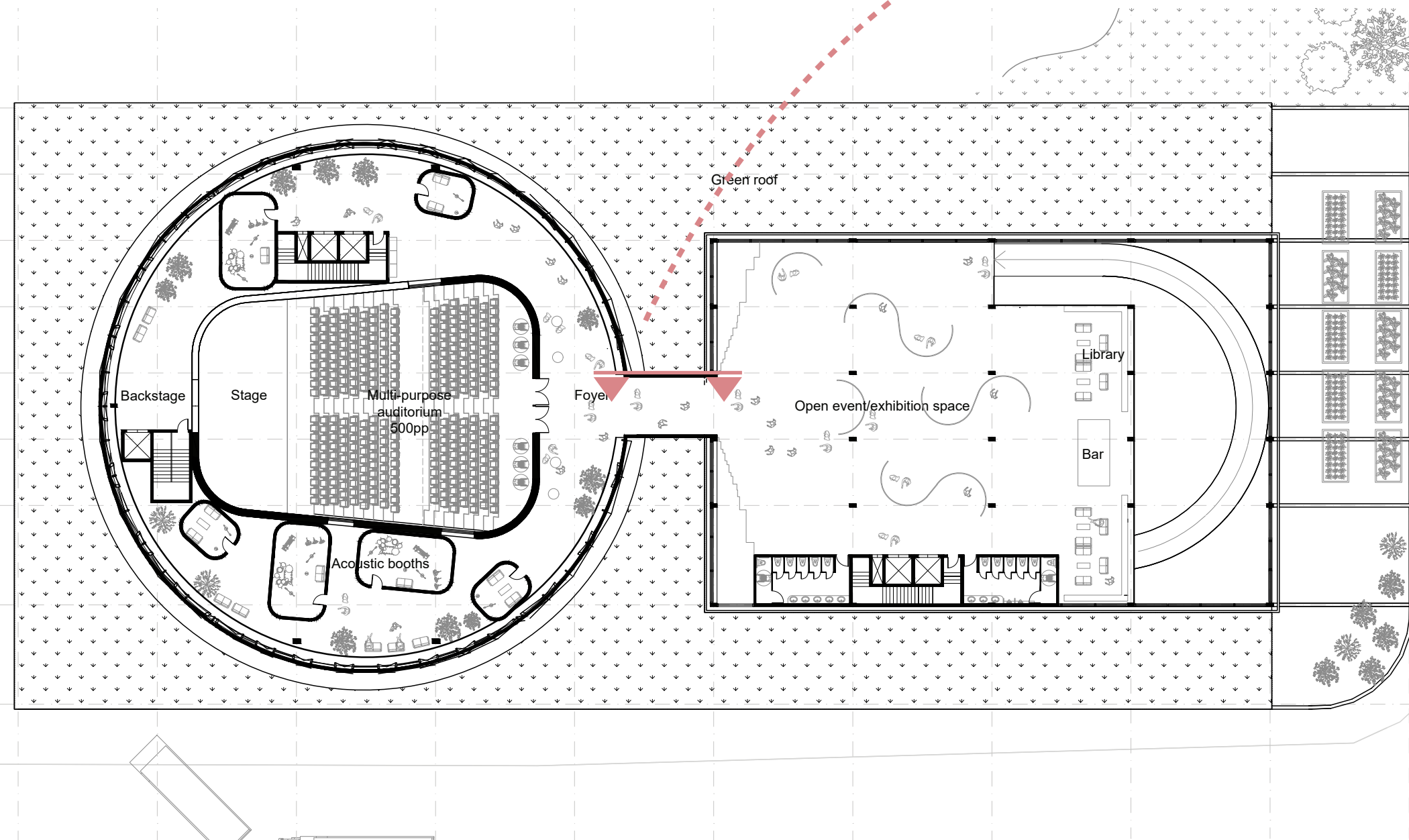
Structure axo



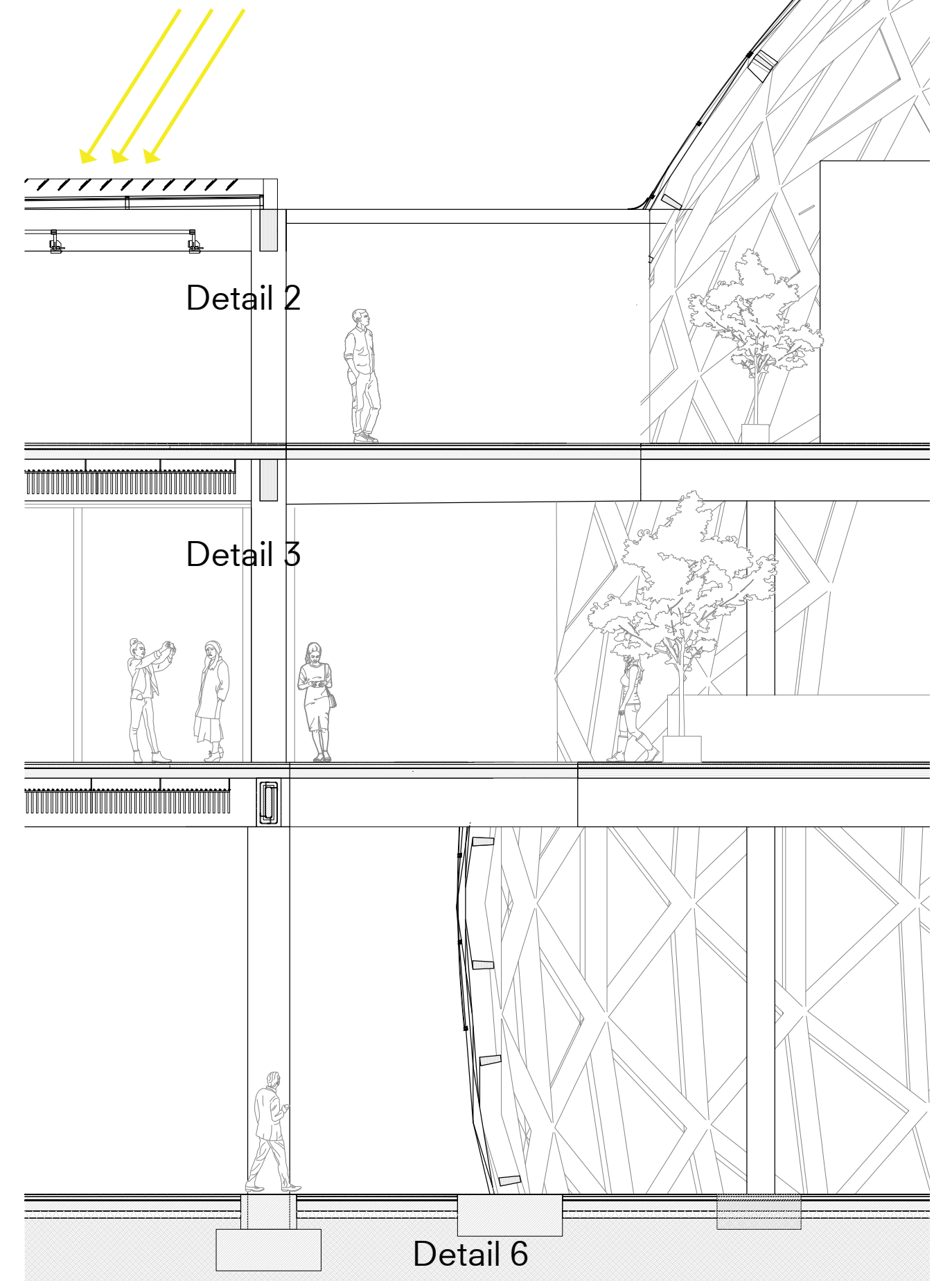
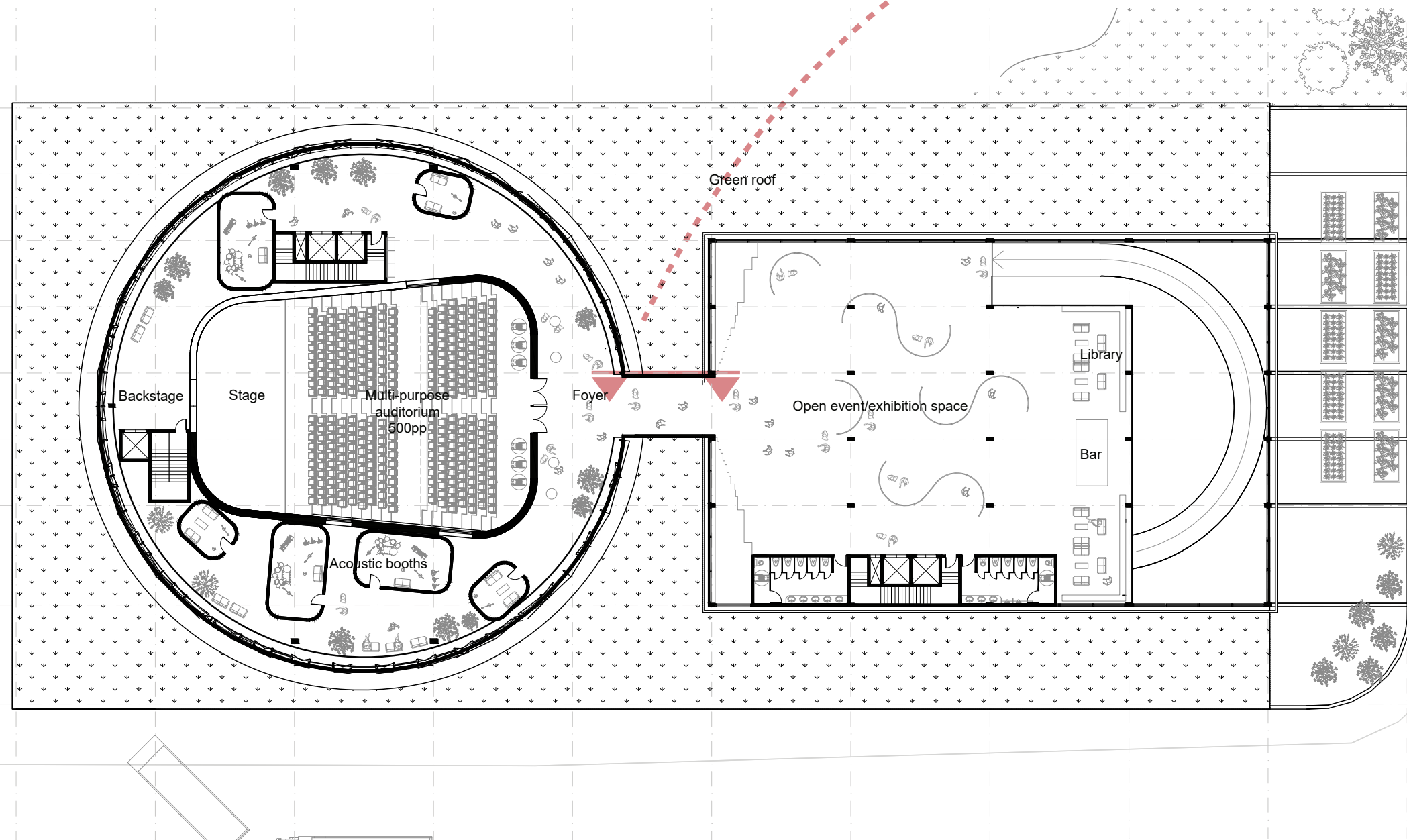
Hybrid structural diagram



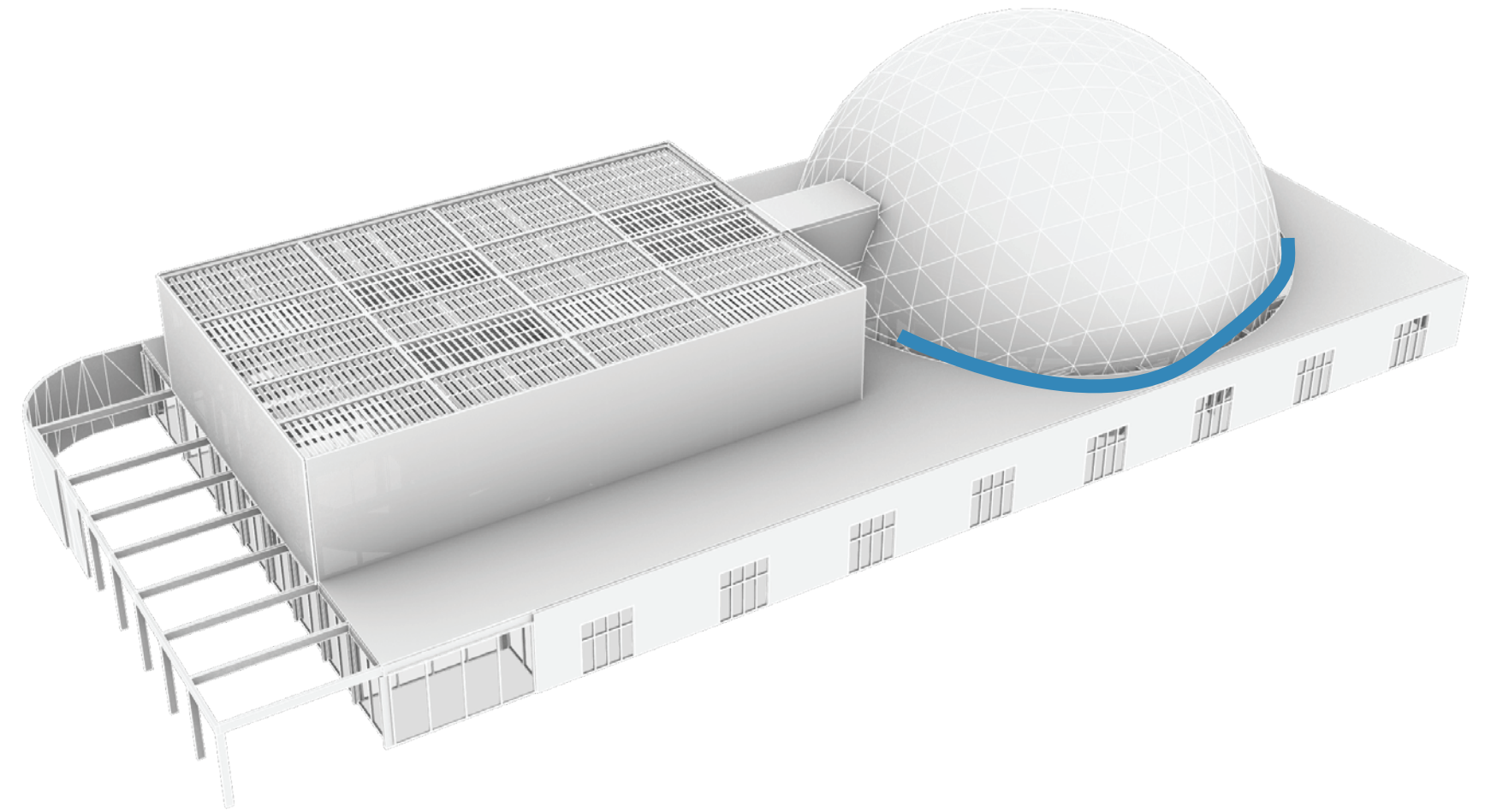
Details



Details



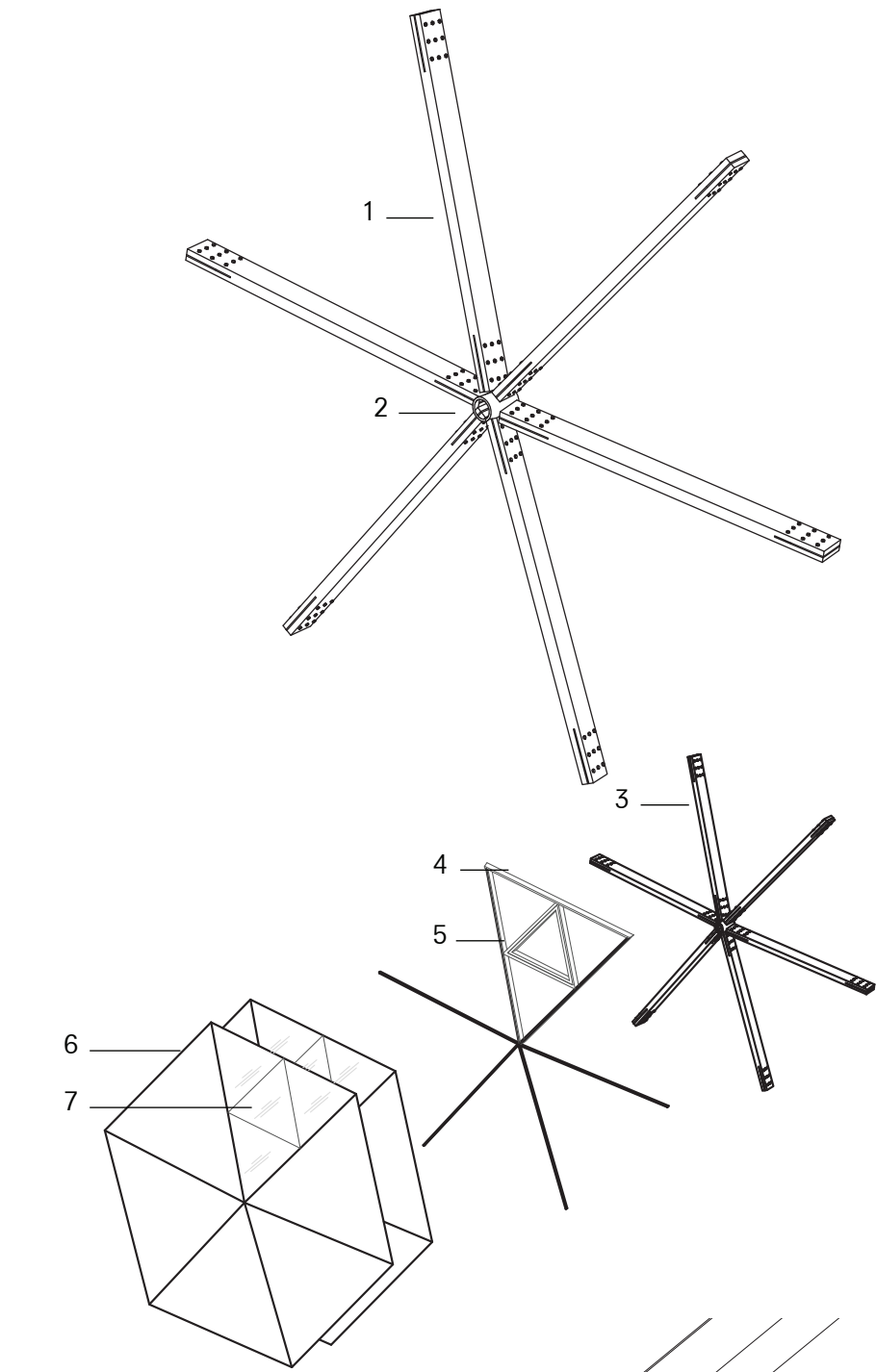
Details



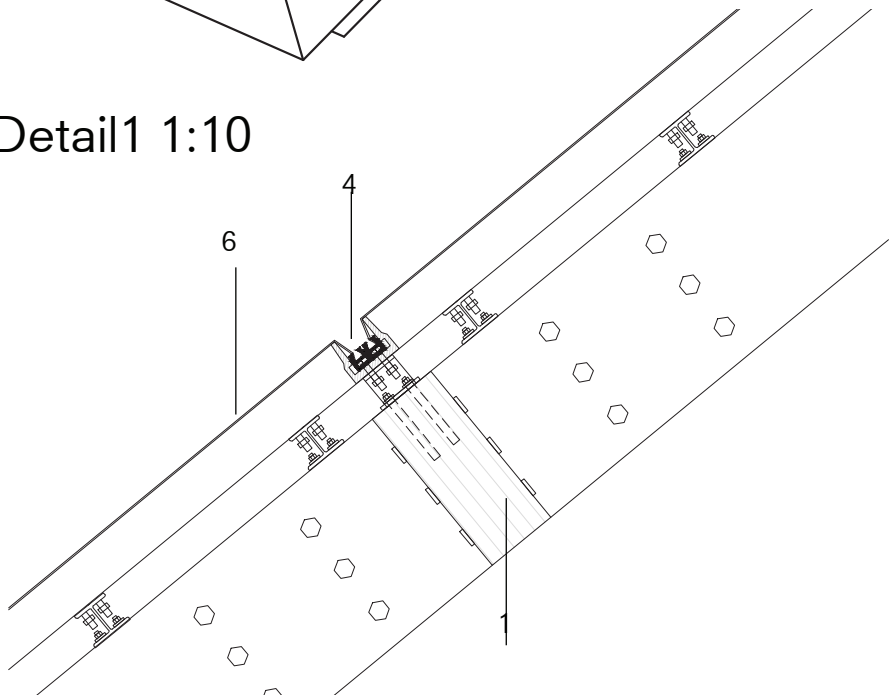
Details

Detaill Geodome

- 1-Glulam beam 150mm x 250mm
- 2-Steel connection
- 3-Glulam structure framework
- 4-Aluminium profile white coated for ETFE suction
- 5-White aluminium profile for automated window opening
- 6-Double ETFE translucid white painted
- 7-Double glazing 6 mm + 12 mm cavity + 6 mm



Detail1 1:10

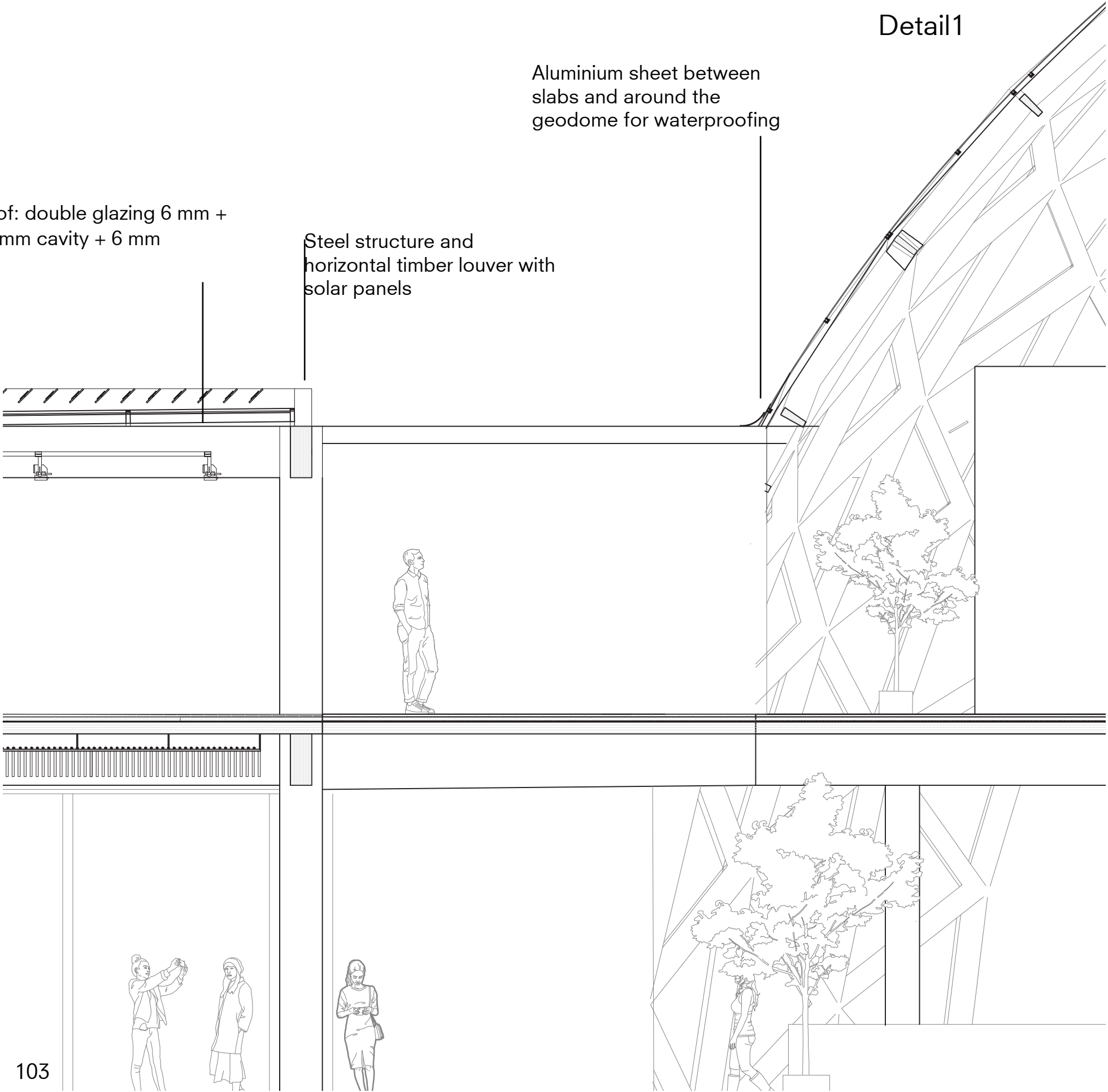


Detail1

Aluminium sheet between slabs and around the geodome for waterproofing

Roof: double glazing 6 mm + 12 mm cavity + 6 mm

Steel structure and horizontal timber louver with solar panels



Details

Detail new timber structure connections

14-Glulam column 250mm x 500mm

15-Steel strap with engineered self-tapping screws

16-Timber laminated floor 10 mm

17-Concrete subfloor with heating tubes 80 mm

18-Acoustic & vapor barrier

19-CLT panel 140mm

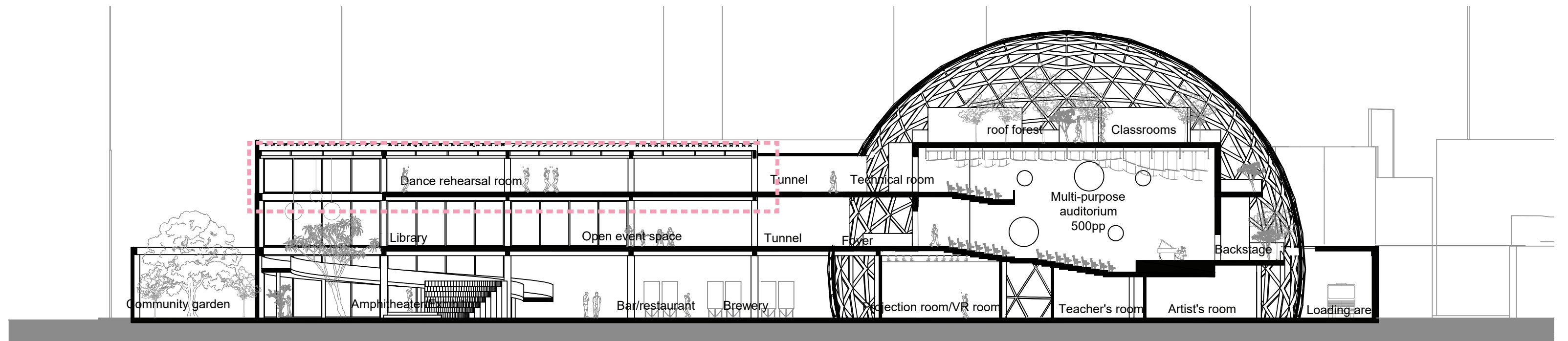
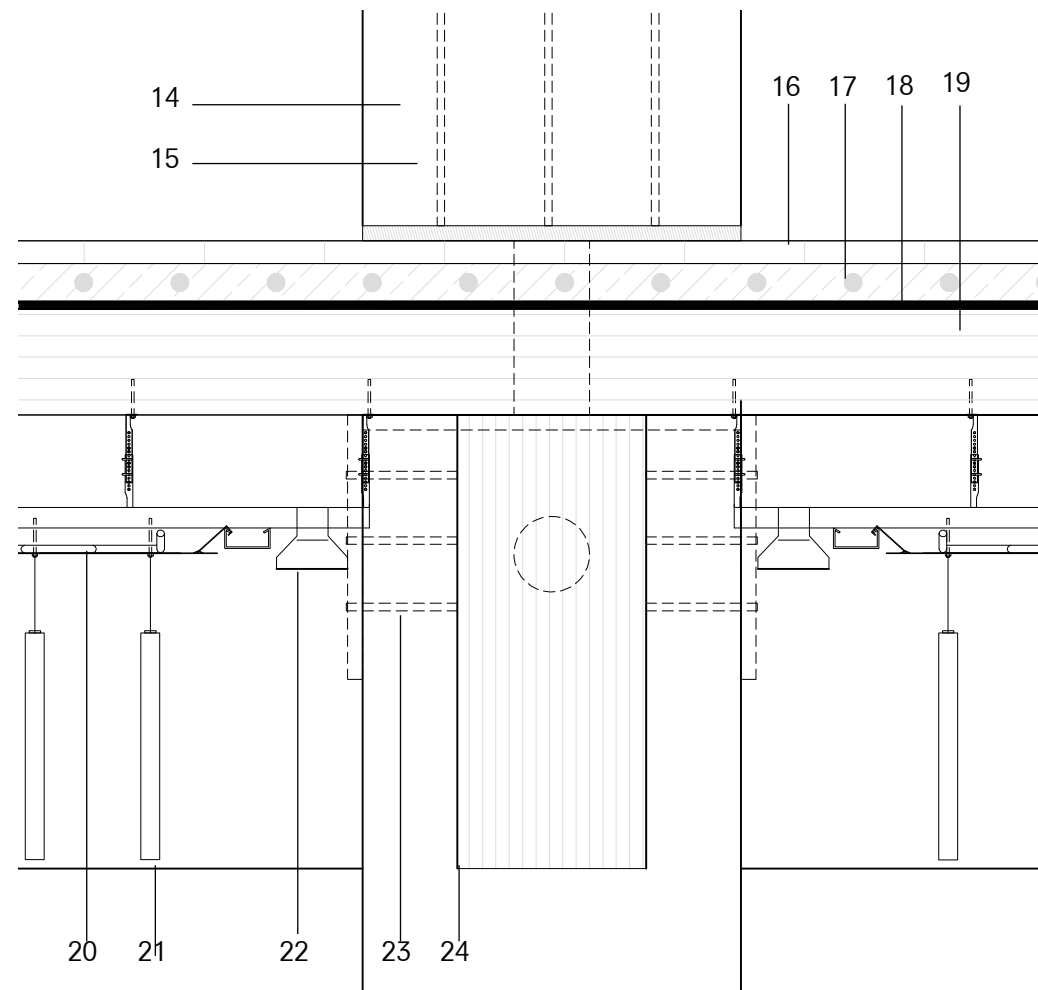
20-Lower ceiling with contact cooling system with water pipe and gypsum board finish

21-Acoustic panels

22-Embedded spotlight

23-Steel seismic girder hanger with engineered bolts

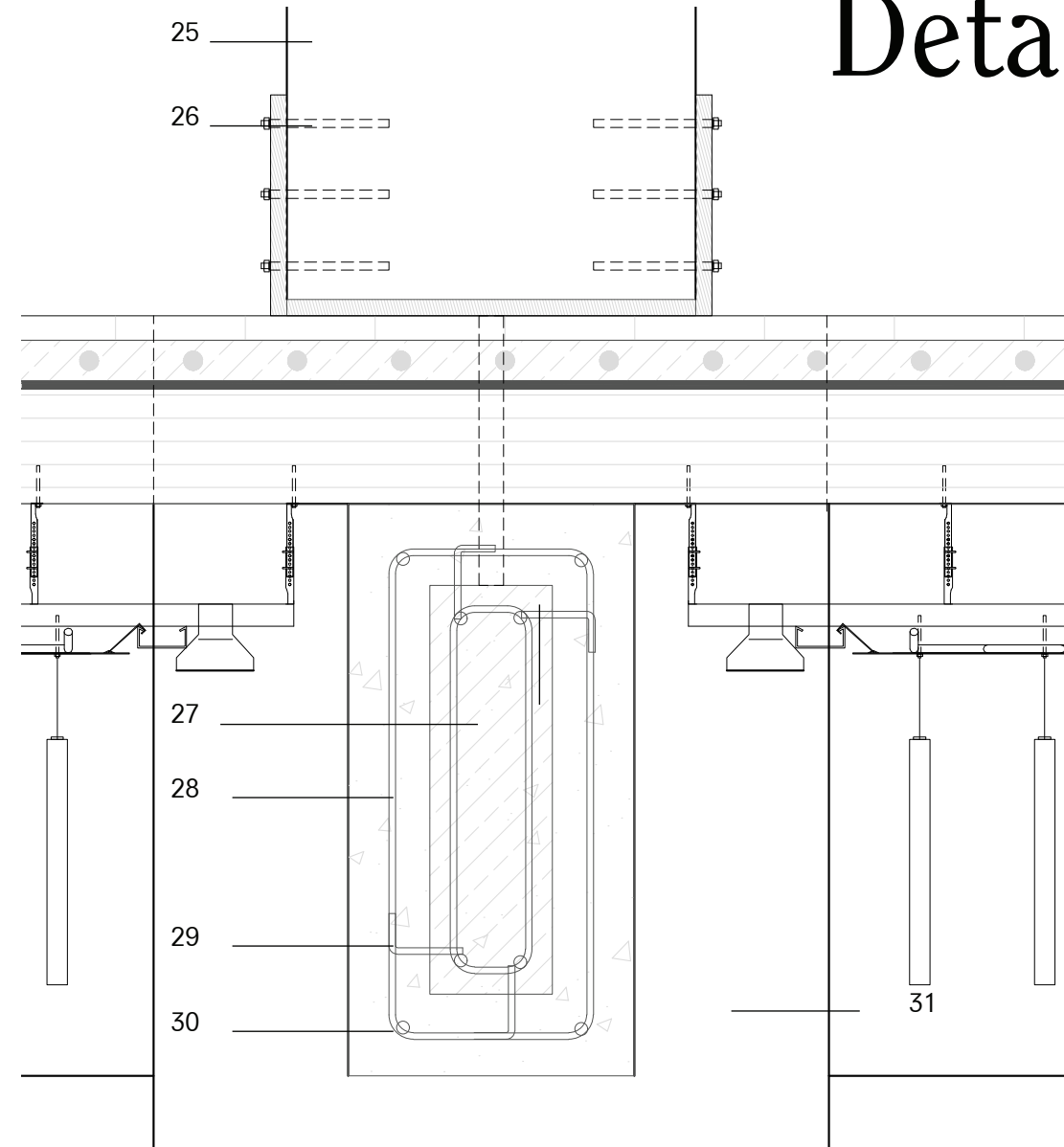
24-Glulam beam 250mmx500mm



Details

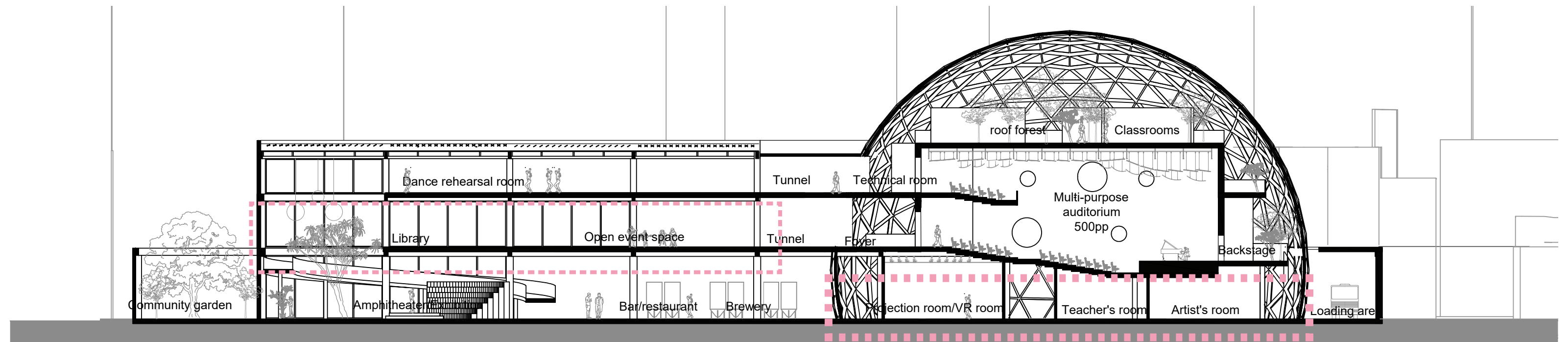
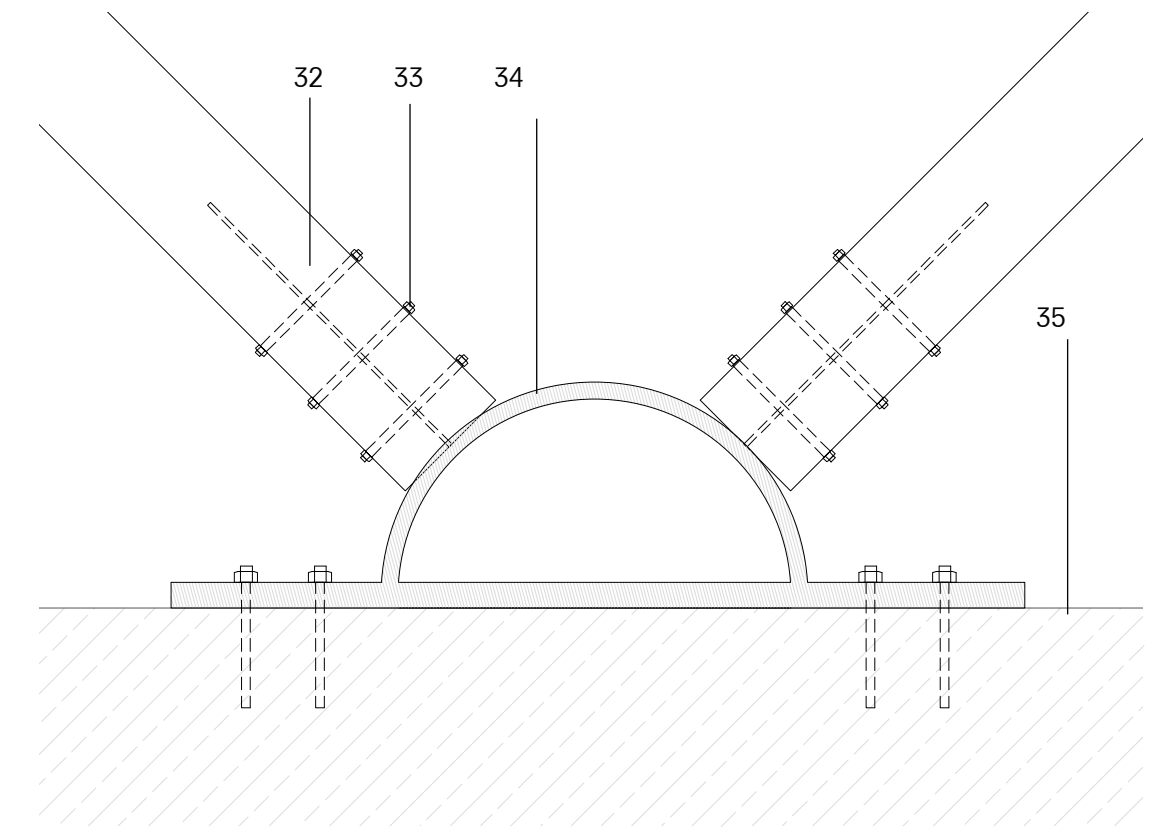
Concrete to timber structure

- 25-Glulam column 250mm x 500mm
- 26-Post base anchor plate drilled into concrete column
- 27-Existing beam core
- 28-Jacket
- 29-Steel dowel
- 30-Main rebar
- 31-Reinforced prefab concrete column with steel jacketing 350mm x 600 mm

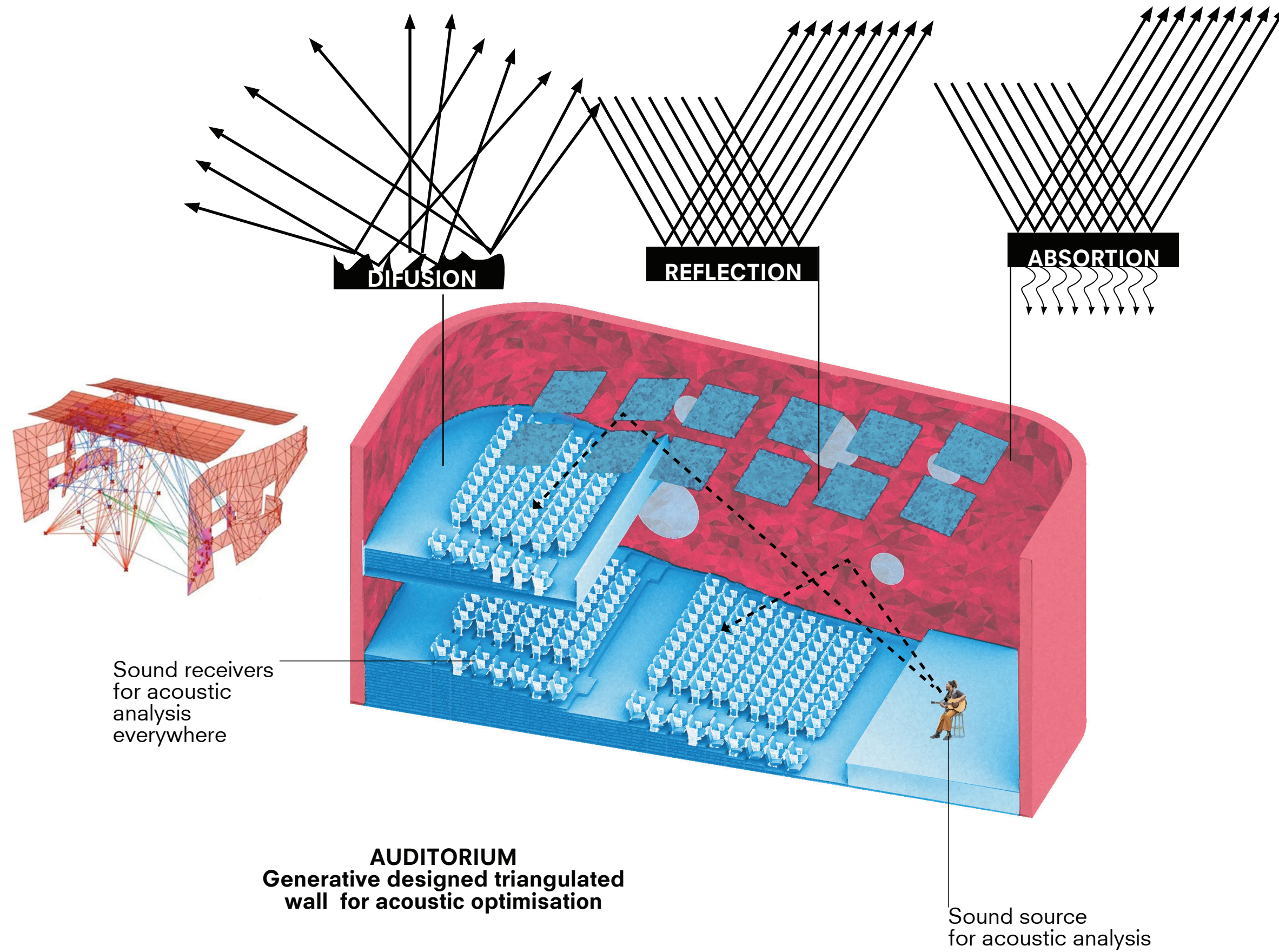


Geodome foundation

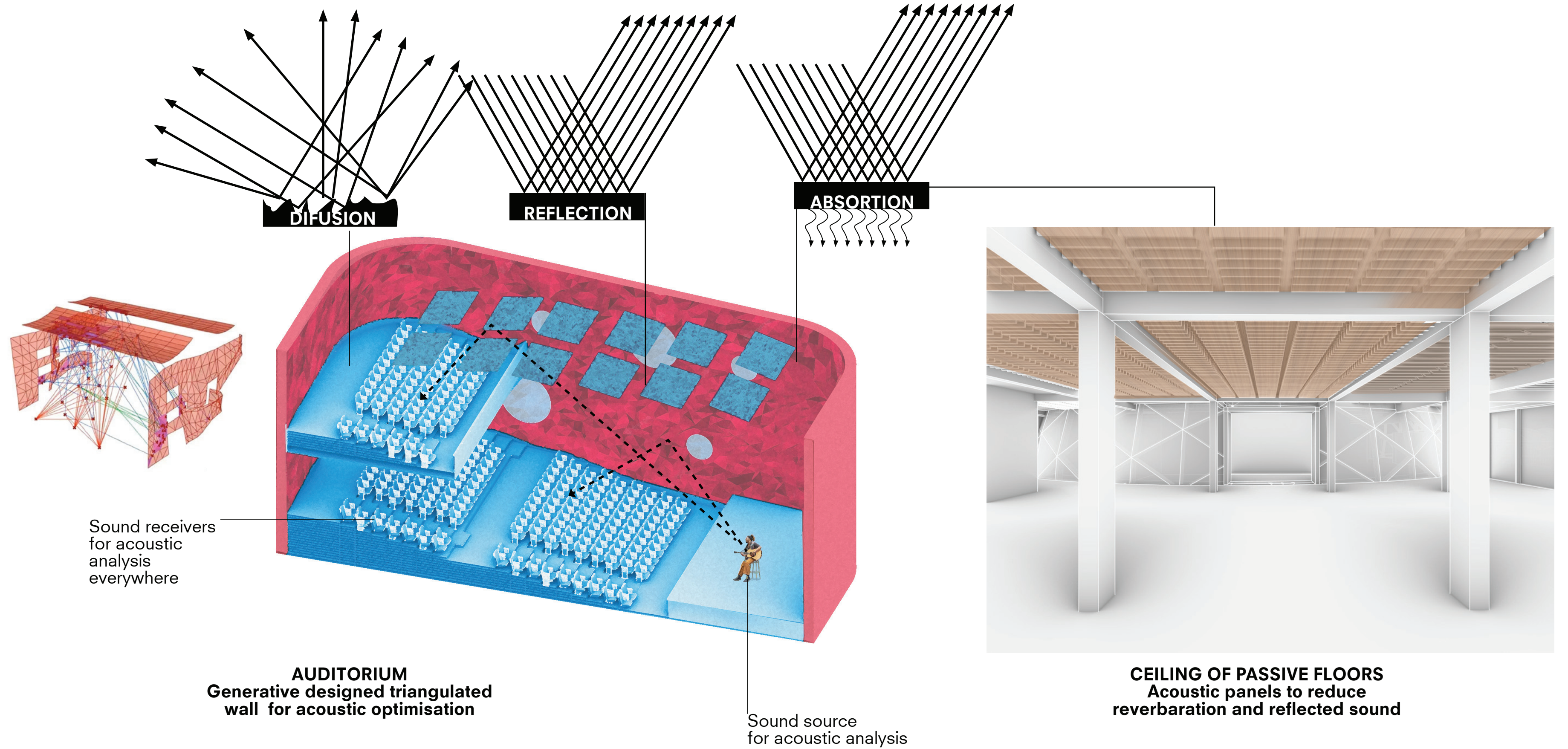
- 32-Glulam beam 150mmx250mm
- 33-Bolts on steel plate
- 34-Steel structure
- 35-Concrete foundation



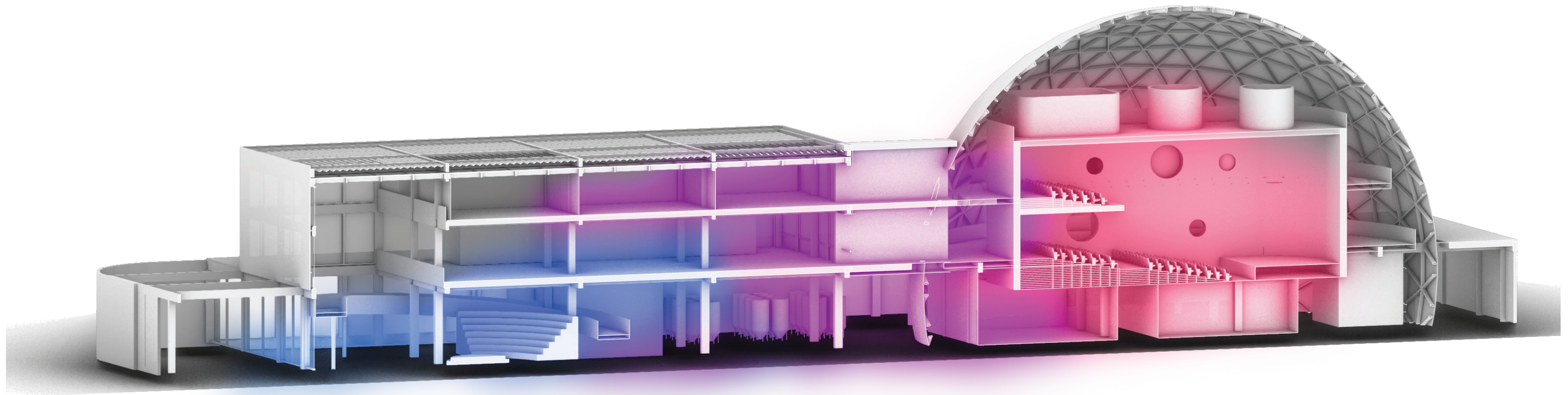
Acoustics



Acoustics



By accepting the binary society and employing musical programs as a bridging tool, the goal is to establish and promote a collectively joyfull environment.



Thank you!

