

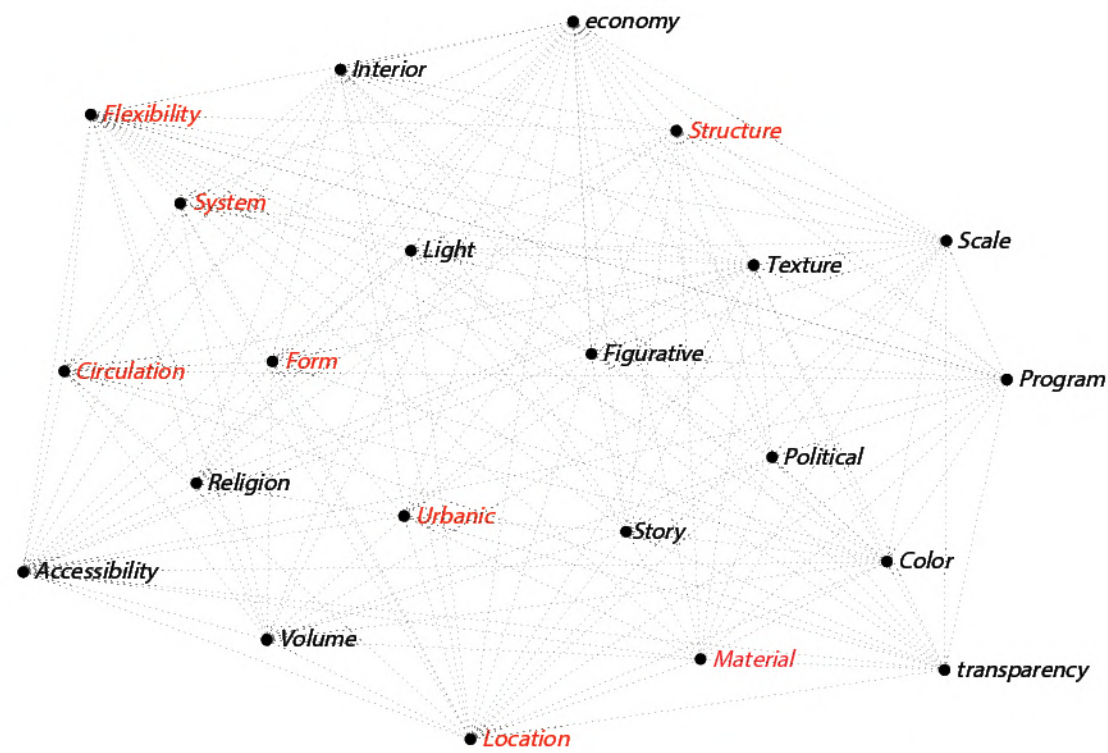
# **EUNA SONG**

**COLUMBIA UNIVERSITY**

**GSAPP**

**2020–2019 WORKS**

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*What determines the individual identity of architecture?  
 \_The hierahchy with balance \_*

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# 01

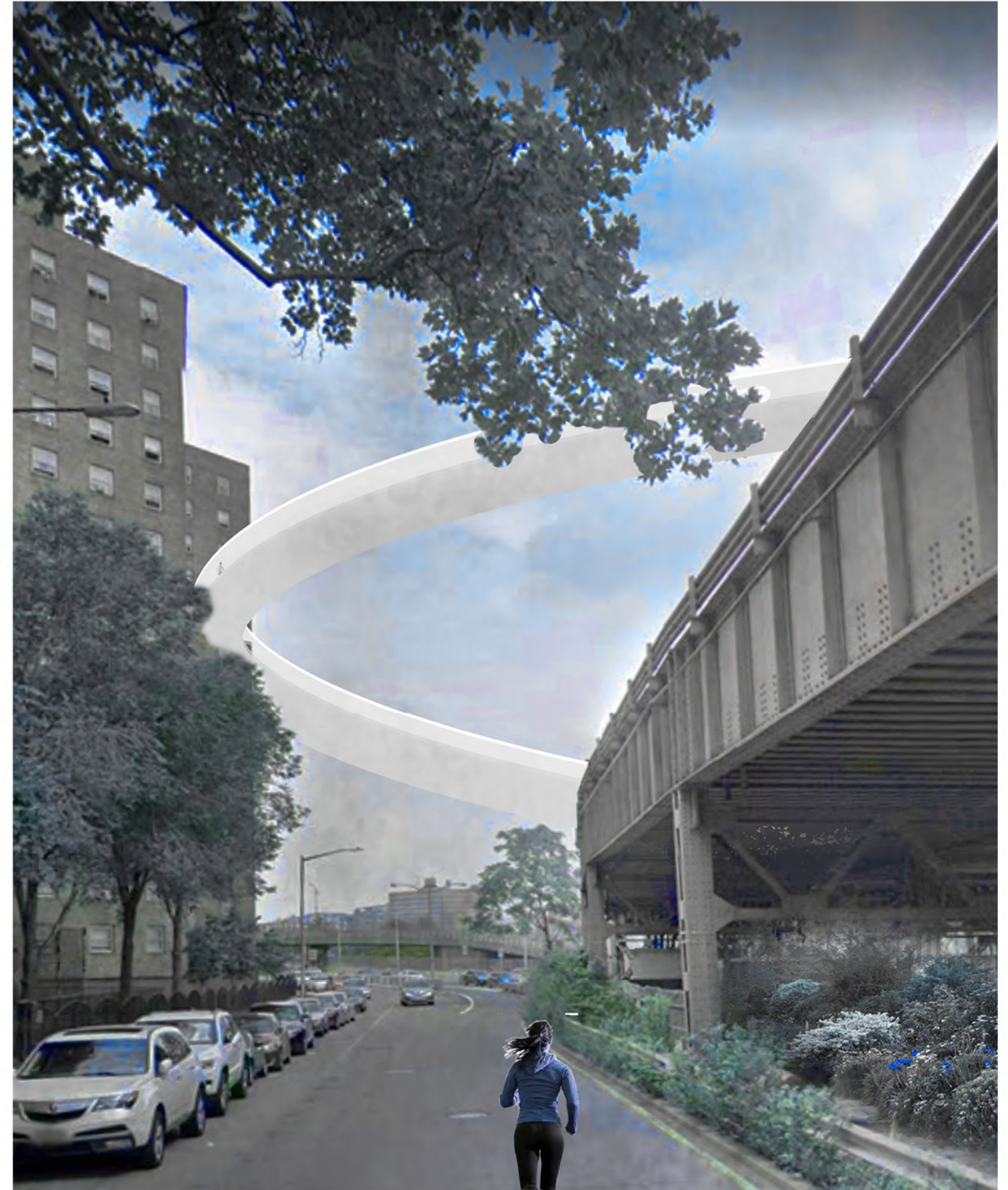
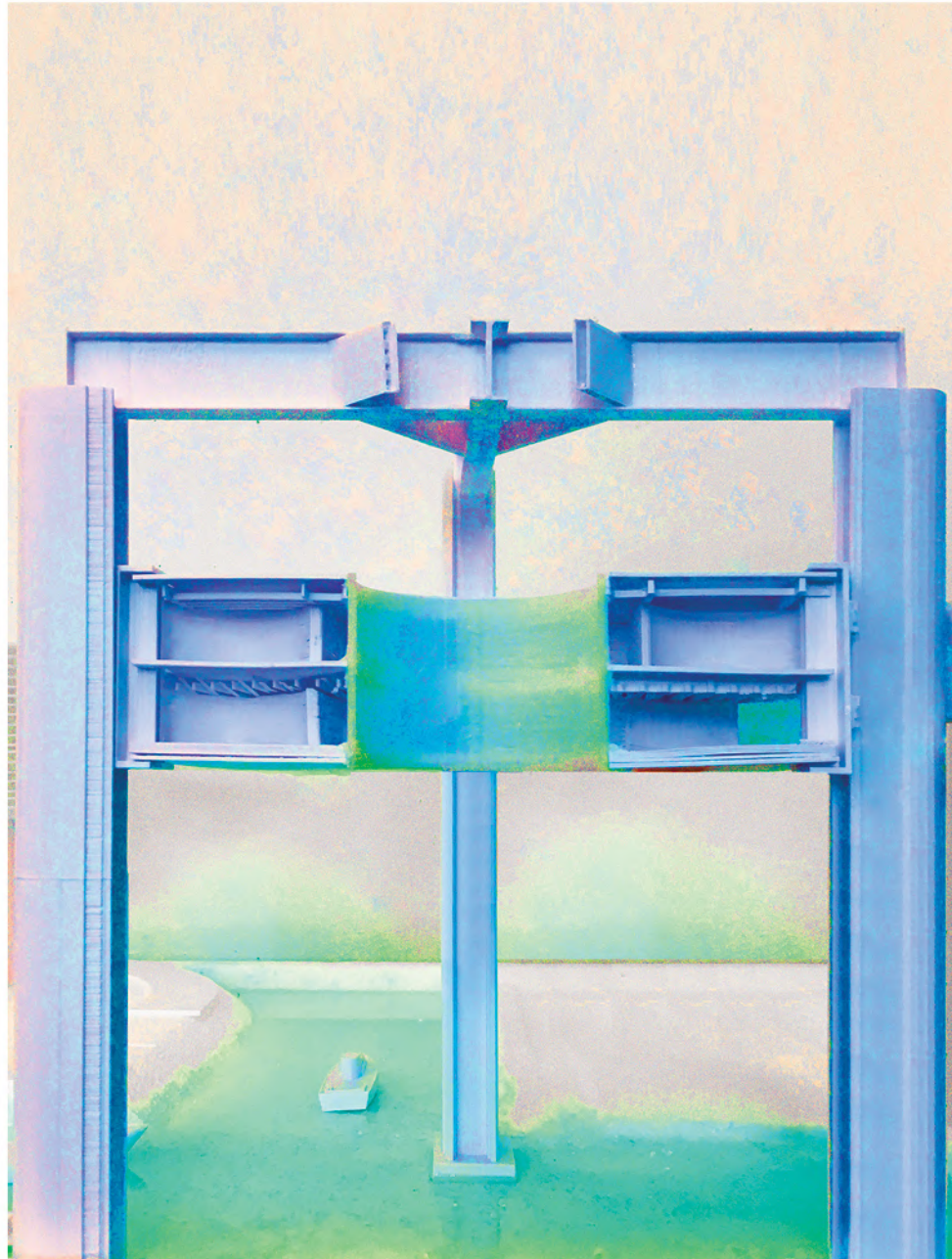
## COMMUNITY BRIDGE | CIRCULATORY PUBLIC COMMUNITY CENTER

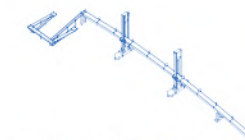
2019 GSAPP SUMMER ADVANCED ARCHITECTURE STUDIO

INSTRUCTOR : NAHYUN HWANG, DAVID EUGEN MOON

TEAM | EUNA SONG, JINGUAN LI

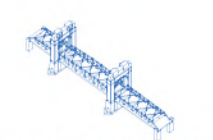
At the termination of Park Avenue in Manhattan, urban highways and empty lots located near Harlem River create a disconnect towards the Bronx. The Harlem River is an isolated zone; the linear gesture no longer works as an effective connection but rather than functions as a border. This project proposes a "Ring" to surround this urban area. This circular passage collects urban fragments and supports an infinite passage along a loop. It touches the ground on multiple points in different cultural districts, promoting interaction across these regions. The bridge features an infinite jogging path with six program zones to support a restaurant, library, temporary house, park, and study center. Moreover, the circle addresses flooding along Harlem Riverside by functioning as a safety zone in the event of high flood levels.





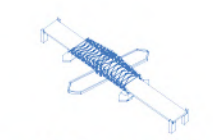
46 [ Wards Island bridge ]

Type: vertical lift bridge  
 Carries: pedestrian/bicycle  
 Location: manhattan and wards island  
 Material: steel  
 Total length: 1,247feet  
 Date opened: oct11, 1941



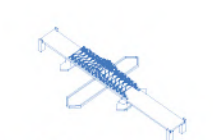
47 [ Triborough bridge ]

Type: suspension/lift/truss bridge  
 Carries: NY state route 900G (6 road loans)  
 Location: manhattan and randall's island  
 Material: steel  
 Total length: 1,380feet  
 Date opened: jun11, 1936



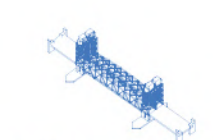
48 [ Willis avenue bridge ]

Type: swing bridge  
 Carries: northbound auto traffic / pedestrian/ bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 3,212feet  
 Date opened: aug22, 1901



49 [ Third avenue bridge ]

Type: swing bridge  
 Carries: Southbound auto traffic; Pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 2800 feet  
 Date opened: aug1, 1898



50 [ Park avenue bridge ]

Type: vertical lift bridge  
 Carries: metro-north railroad  
 Location: manhattan and bronx  
 Material: steel  
 Total length:340 feet  
 Date opened: 1956 replacing in 1897



53 [ Madison avenue bridge ]

Type: swing bridge  
 Carries: Southbound/eastbound auto traffic; pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 1892 feet  
 Date opened: july18, 1910



52 [ 145 street bridge ]

Type: swing bridge  
 Carries: Westbound/eastbound auto traffic; pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 1602 feet  
 Date opened: aug04, 1905 (rebuilt: November 2006)



51 [ Macombs dam bridge ]

Type: swing and camel-back bridge  
 Carries: Westbound/eastbound auto traffic; pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 2540 feet  
 Date opened: may1, 1895



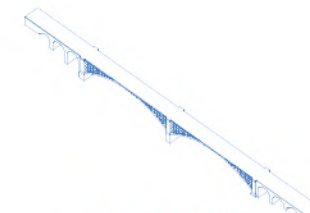
54 [ High bridge ]

Type: arch bridge  
 Carries: pedestrian  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 2540 feet  
 Date opened: 1848(original aqueduct)-1927(partly rebuilt)-2015(reopened as walkway)



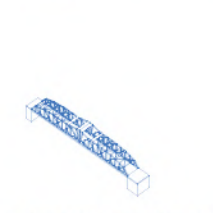
55 [ Alexander hamilton bridge ]

Type: arch bridge  
 Carries: interstate 95/U.S. Route1  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 2375 feet  
 Date opened: jan15, 1963



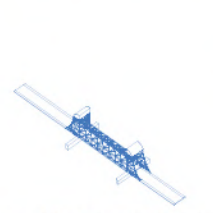
56 [ Washington Bridge ]

Type: arch bridge  
 Carries: Westbound/eastbound auto traffic; pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 2375 feet  
 Date opened: Dec1, 1888



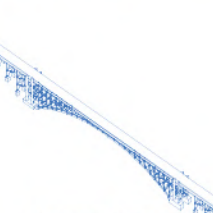
57 [University heights bridge]

Type: swing bridge  
 Carries: Westbound/eastbound auto traffic; pedestrian/bicycle  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 268 feet  
 Date opened: Jan8, 1908



58 [ Broadway bridge ]

Type: double-decked vertical lift bridge  
 Carries: US9/ IRT Broadway – seventh avenue line  
 Location: manhattan island and marble hill, manhattan  
 Material: steel  
 Total length: 1300 feet  
 Date opened:



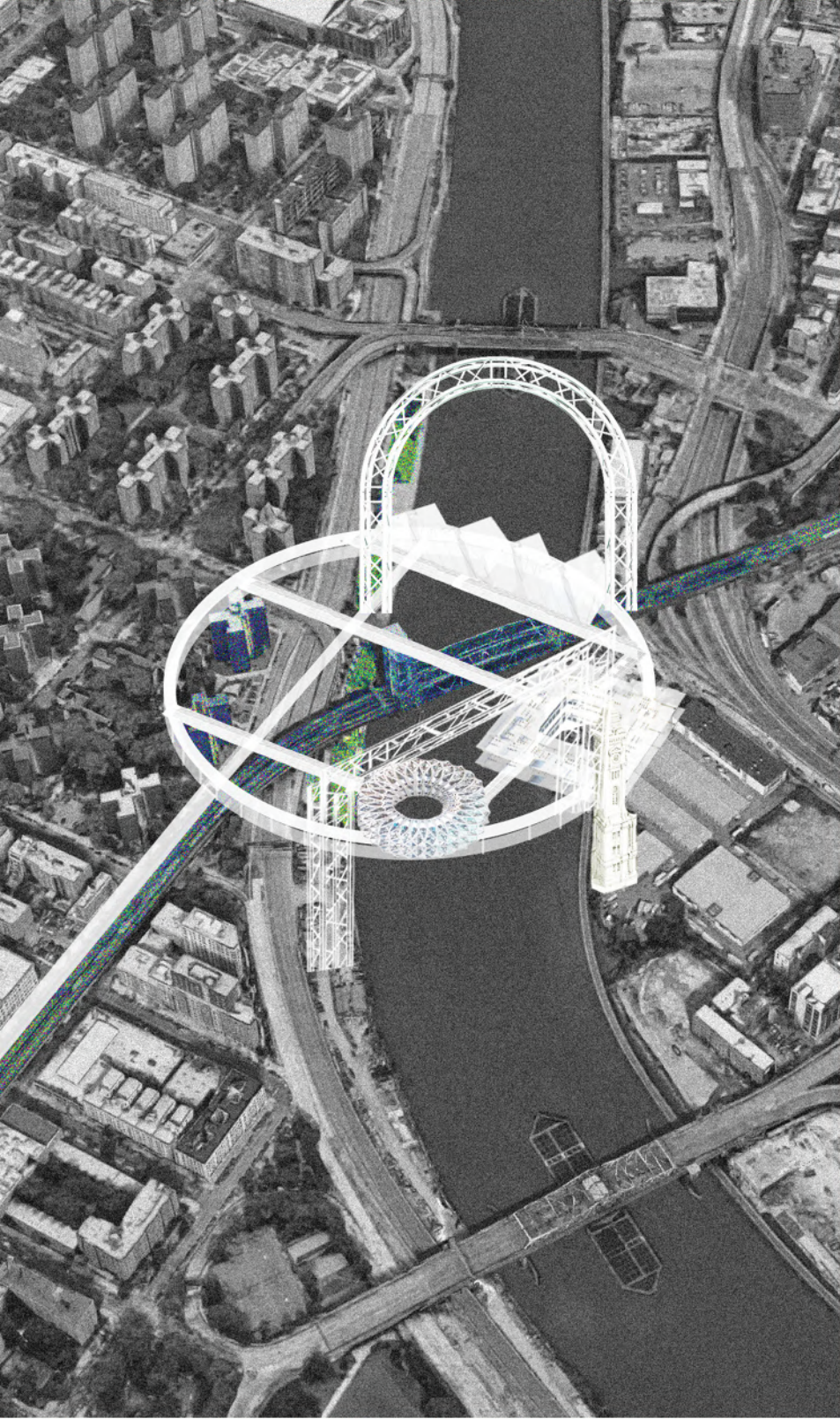
59 [ Henry Hudson bridge ]

Type: double-decked arch bridge  
 Carries: NY 9A/Henry Hudson parkway  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 841 feet  
 Date opened: Dec12, 1936



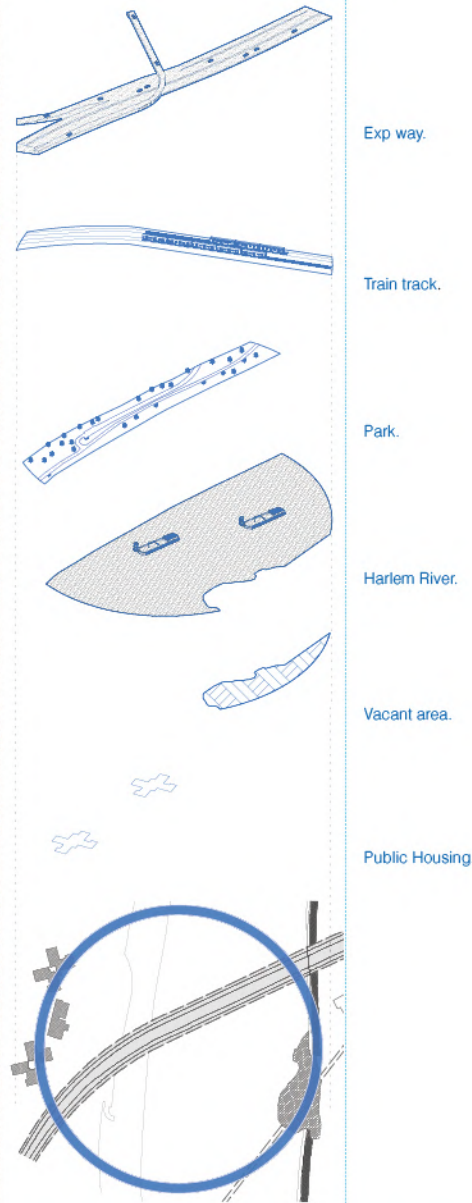
60 [ Spuyten Buyvil bridge ]

Type: railroad swing bridge  
 Carries: Amtrak empire connection  
 Location: manhattan and bronx  
 Material: steel  
 Total length: 610 feet  
 Date opened: 1900



**URBAN PATCHES**

At the termination of Park Avenue in Manhattan, urban highways and empty lots located near Harlem River create a disconnect towards the Bronx. The Harlem River is an isolated zone; the linear gesture no longer works as an effective connection but rather than functions as a border. area.thinteraction across these regions.



Exp way.

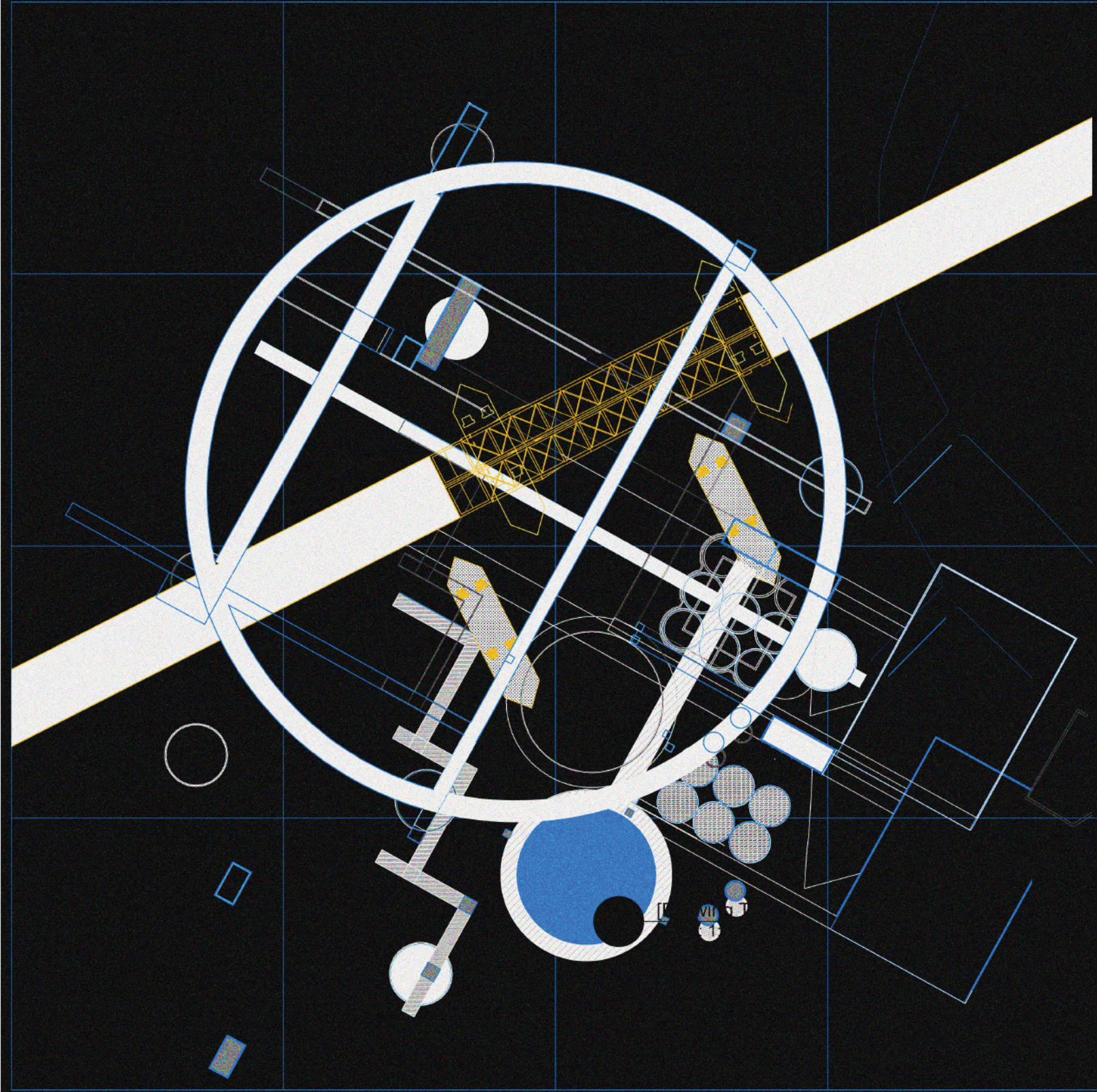
Train track.

Park.

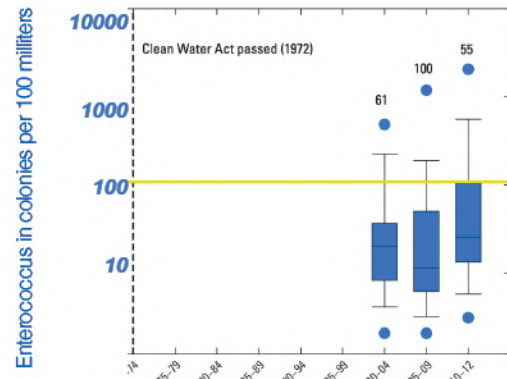
Harlem River.

Vacant area.

Public Housing.



**HISTORICAL WATER QUALITY DATA**



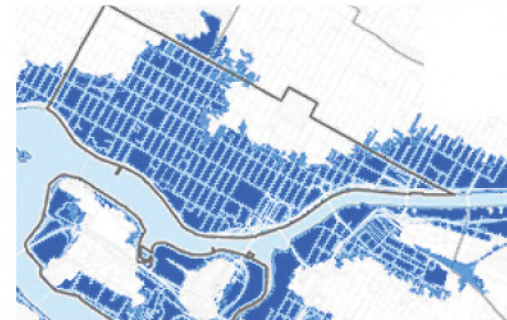
Environmental Protection Agency Unacceptable threshold (individual sample) > 104 colonies per 100 milliliters

**WATER PLANT**



The Harlem River, New York, New York City Department of Environmental Protection sampling locations H1 through H5, U.S. Environmental Protection Agency Regional Environmental Monitoring Assessment Program site UH361, and the Wards Island and North River water pollution control plants.

**100-YEAR AND 500-YEAR FLOOD PLAINS**

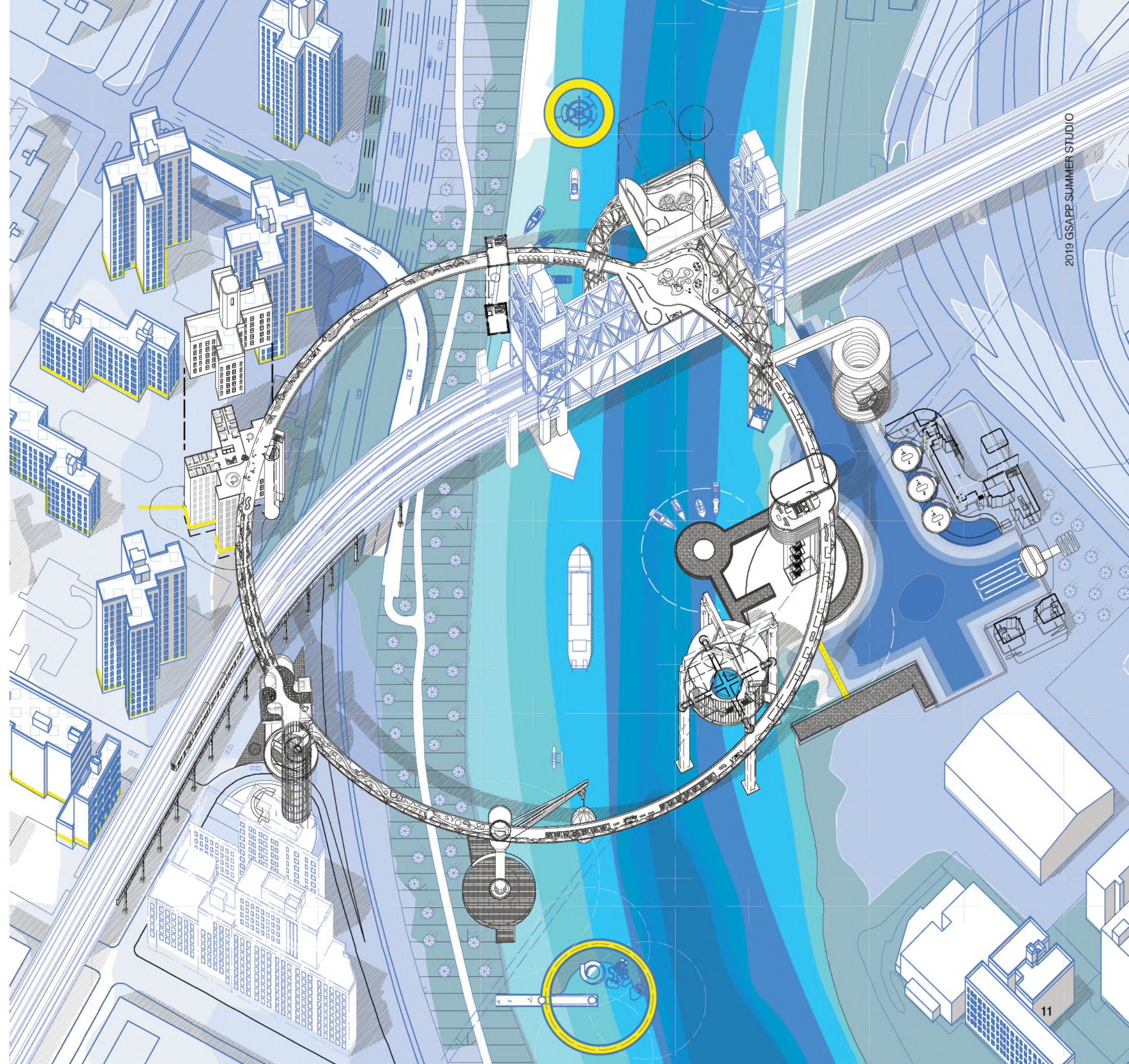


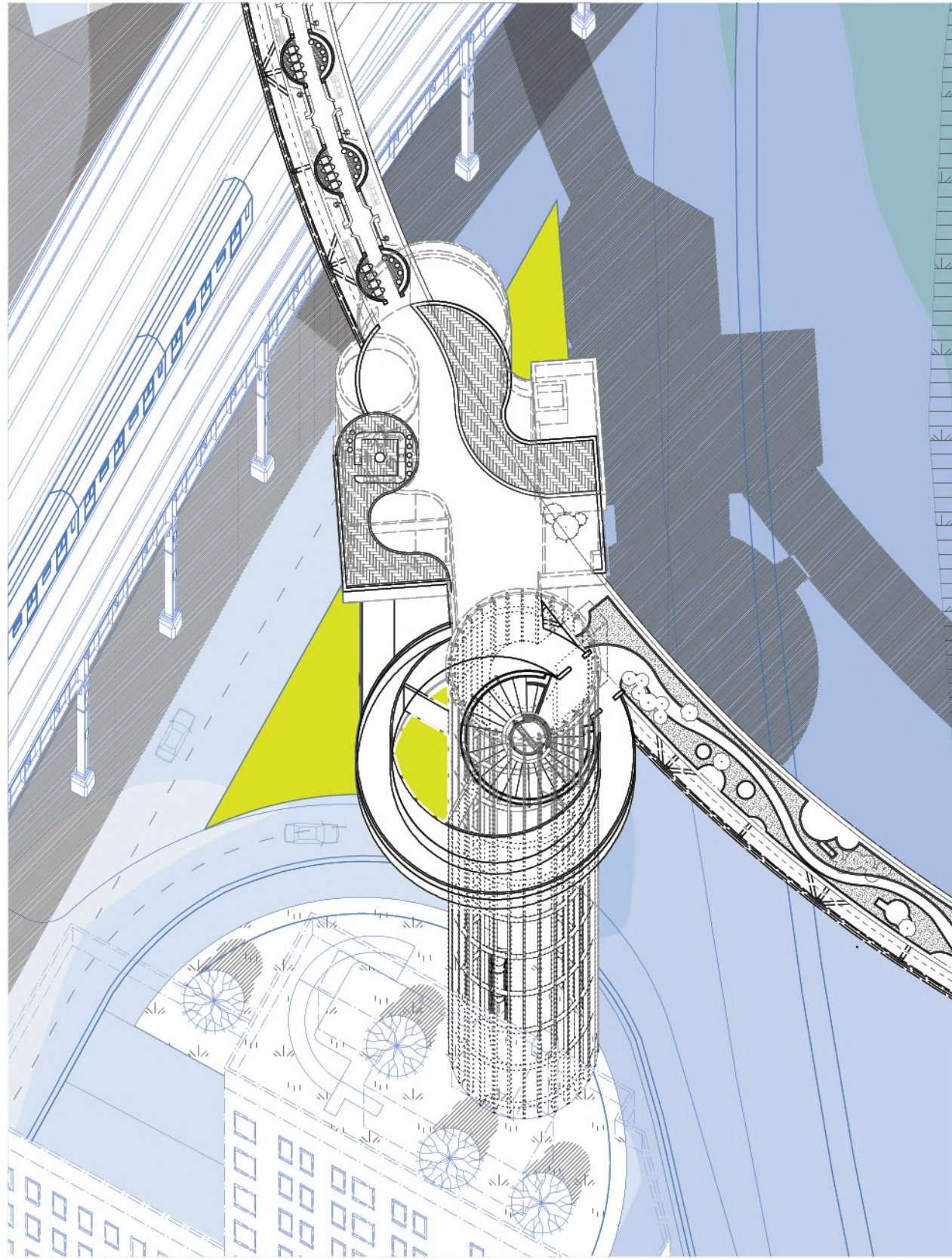
A 100 year flood plain indicates the flood penetration from a storm with a 1-in-100 chance of happening in any given year. The 500-year flood plain shows the damage from a storm with a 1-in-500 chance of happening in any given year. These probabilities multiply over time; a storm with only a 1% chance of happening by 2020, for example, has a greater-than-50% chance of happening by 2100.

**COMBINED SEWAGE OVERFLOW**

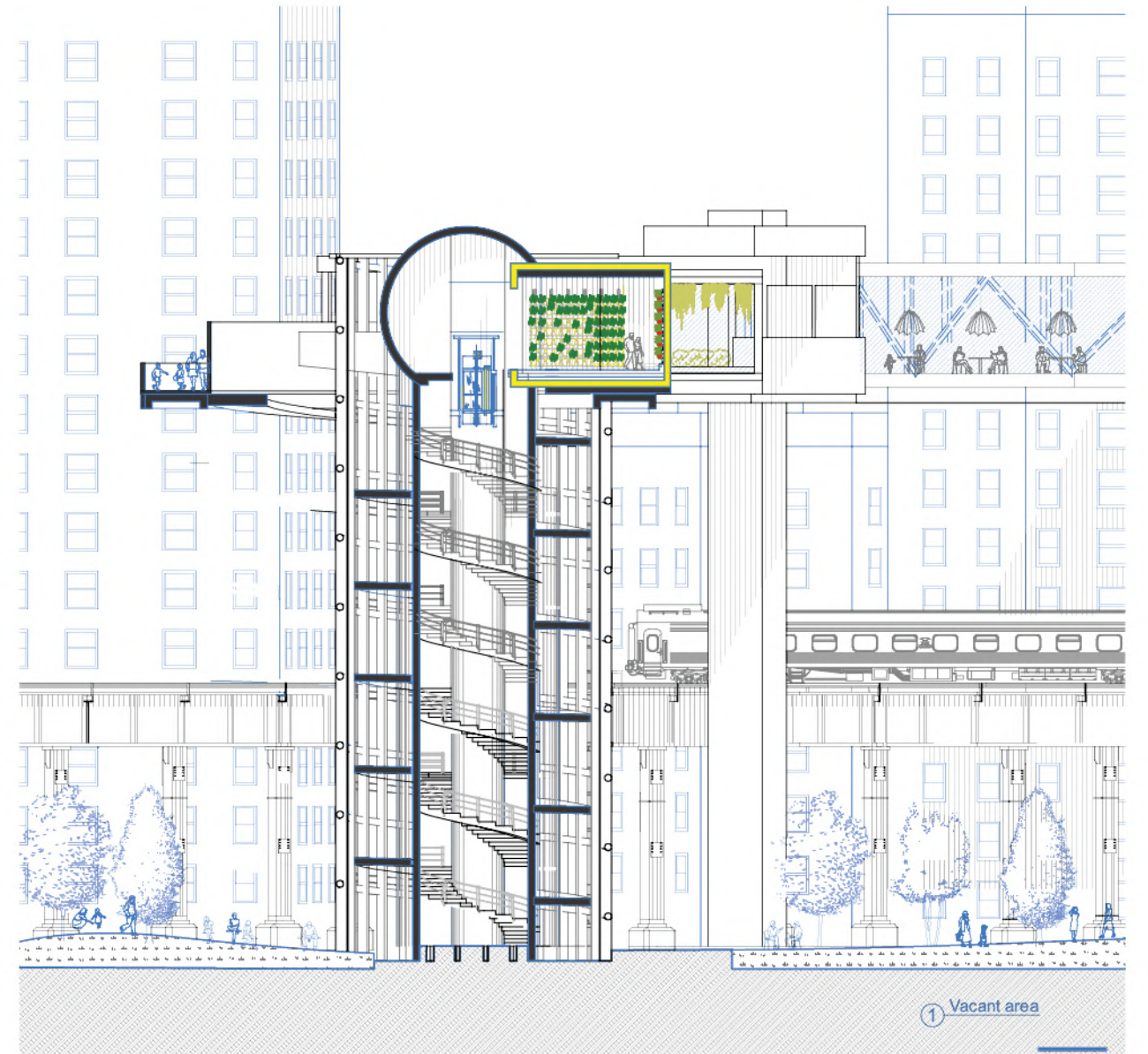
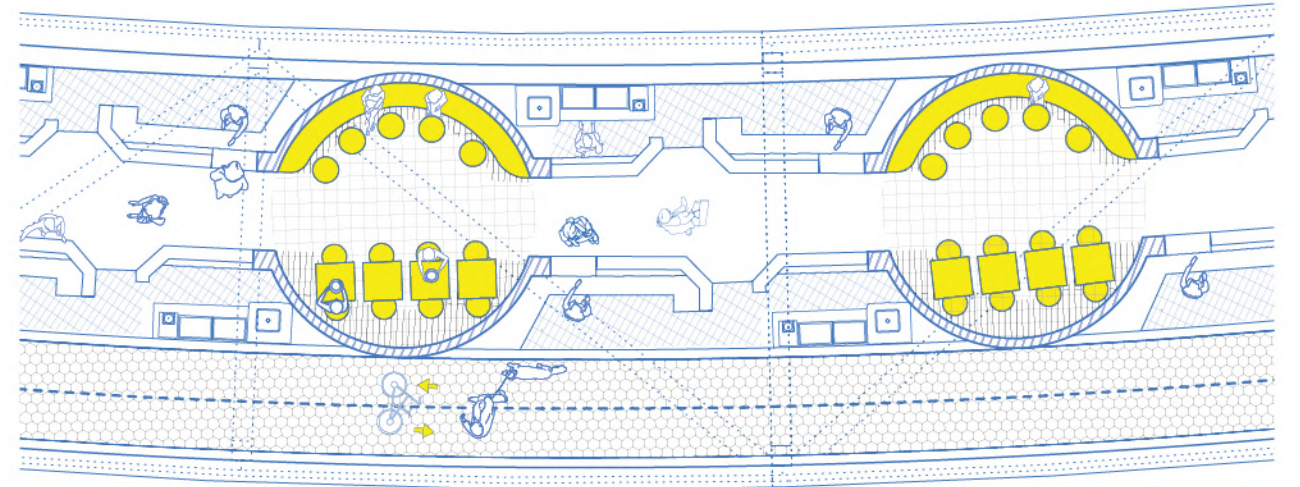


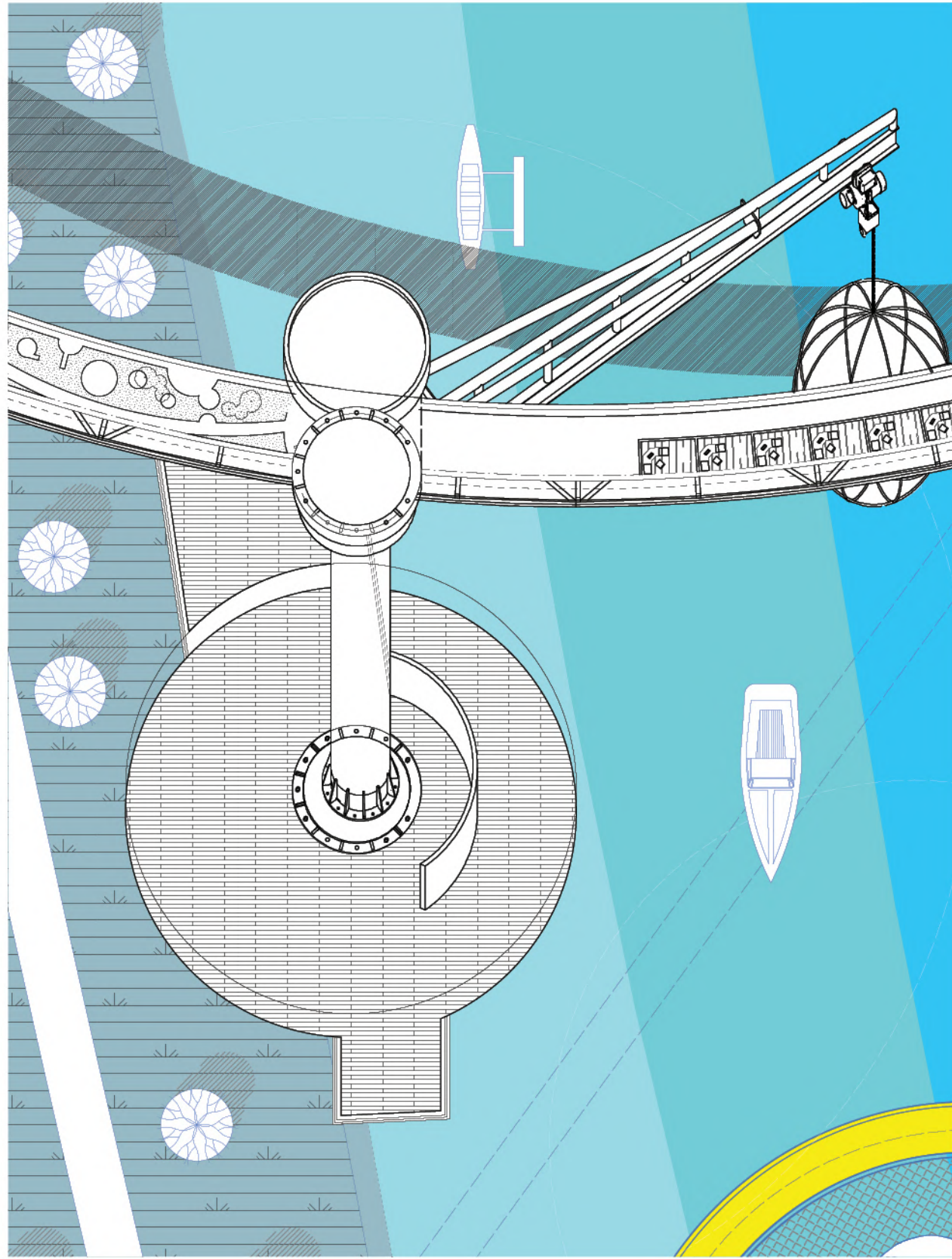
In New York City, a lot of that water goes down the drain. The storm water and runoff mixes in with household sewage, and it all goes off to a plant to get treated. But when it rains a lot, the treatment plant can't take the added volume. So all that extra water - raw, untreated sewage included - runs straight into the river.



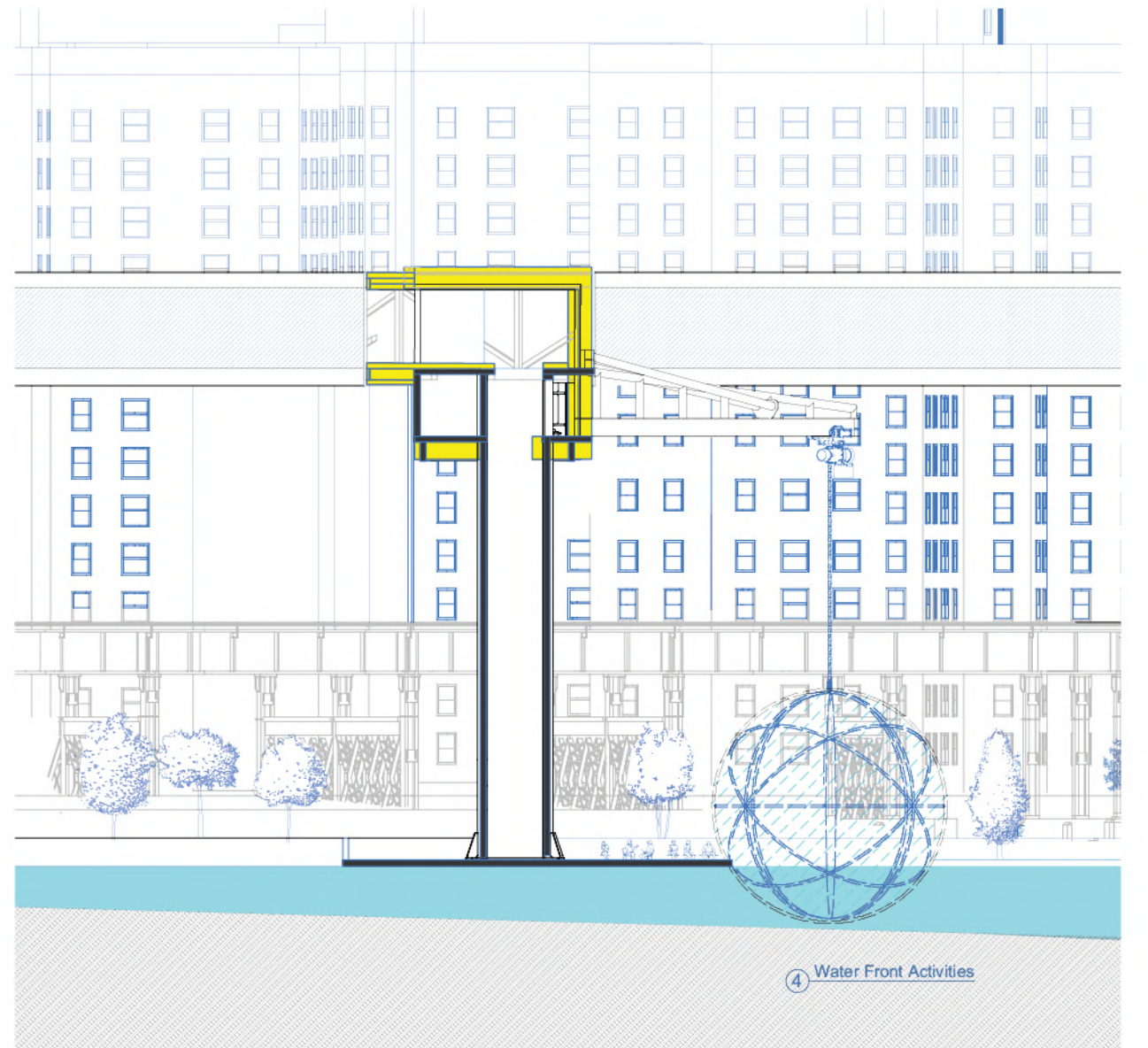
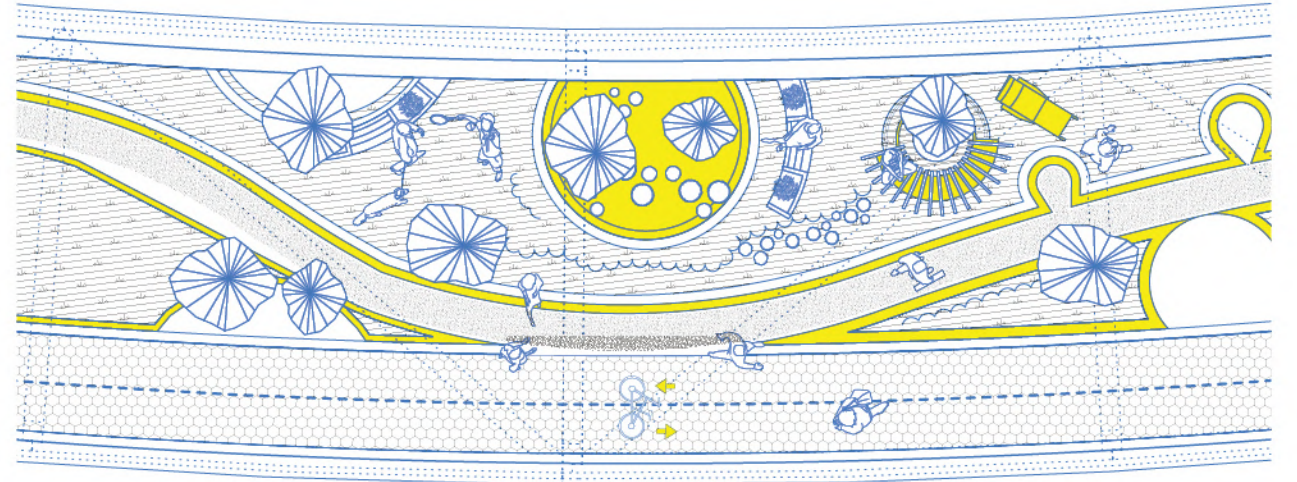


A. OPEN KITCHEN RESTAURANT.



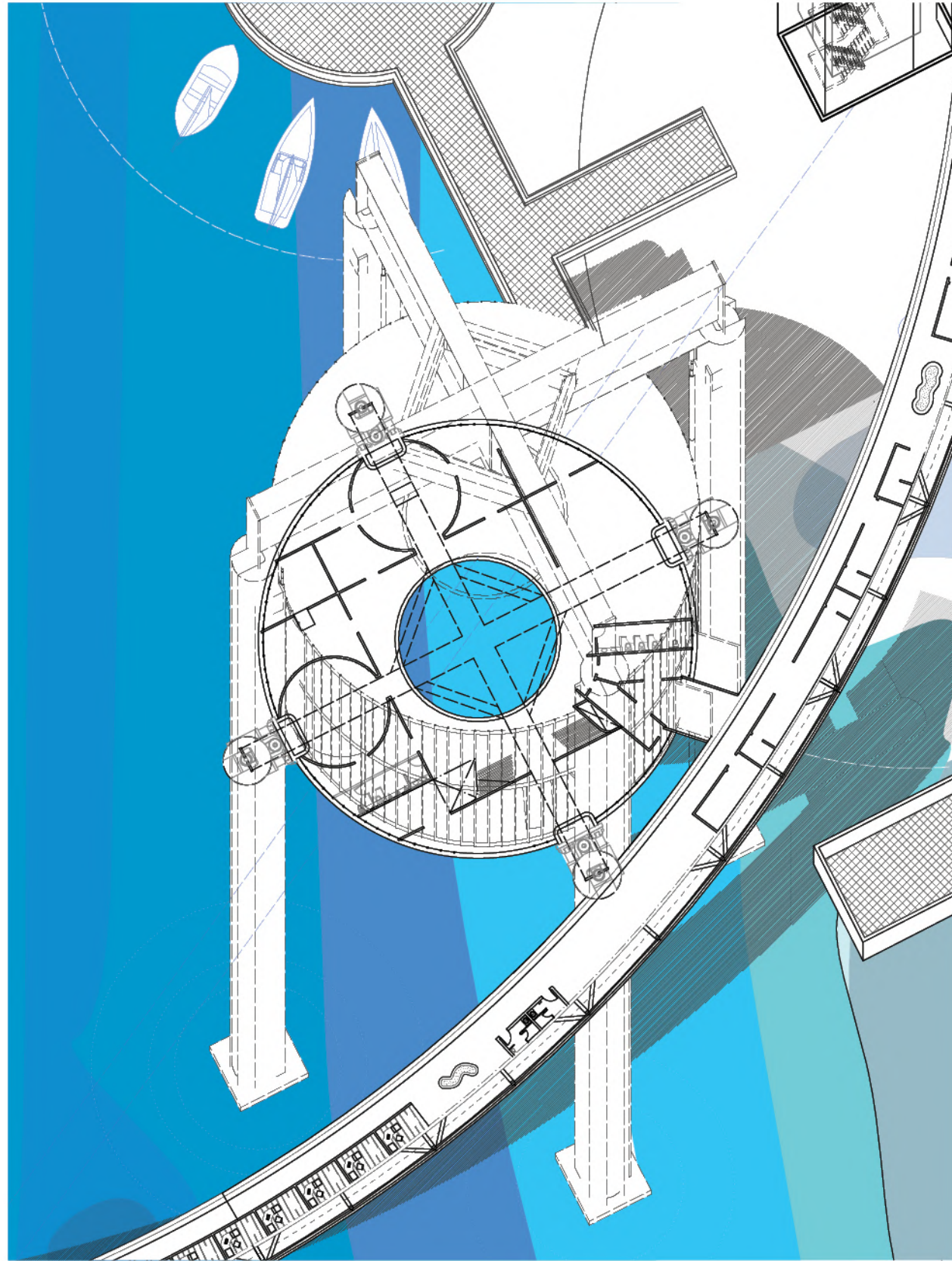


B. GREEN PARK

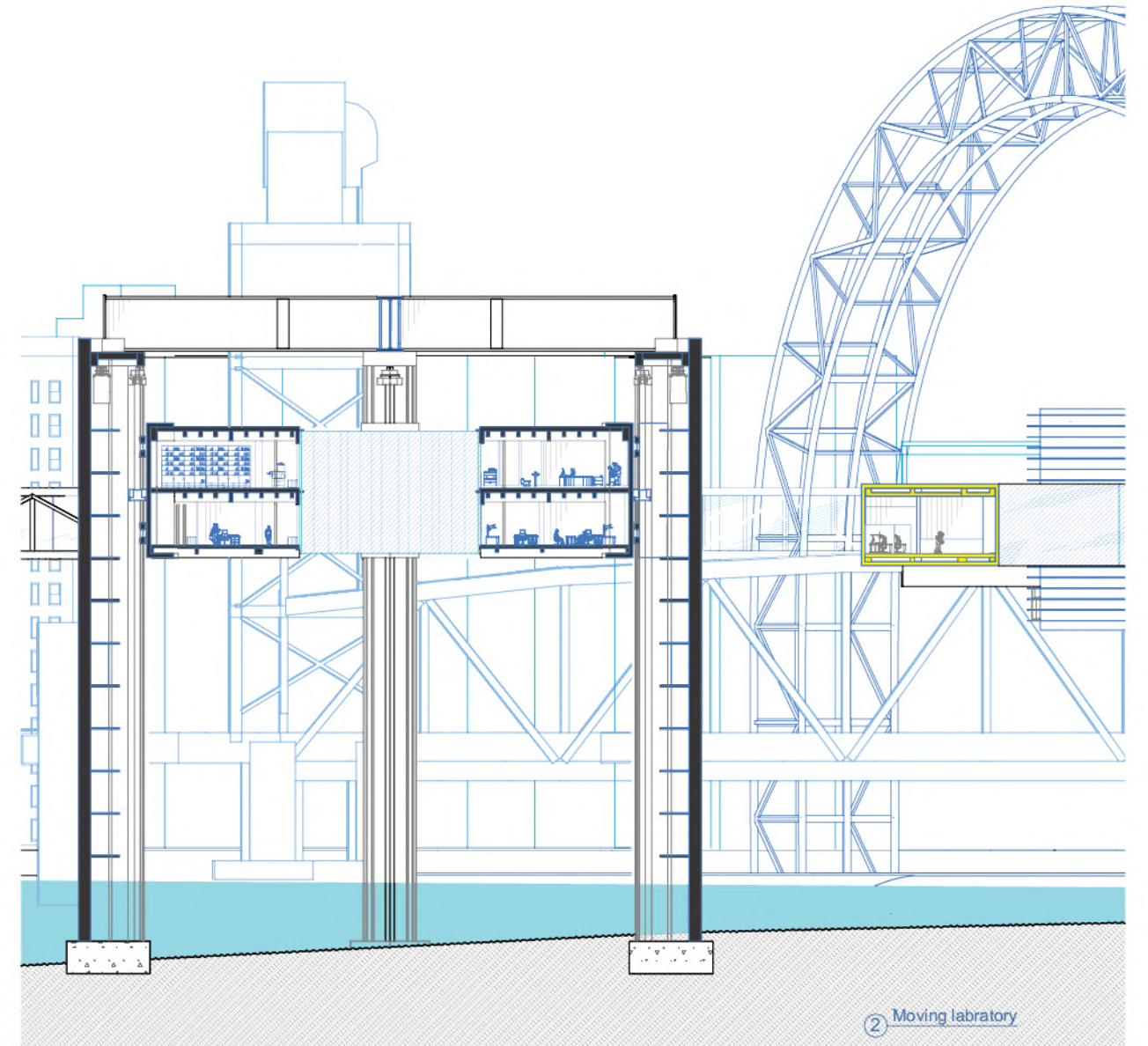
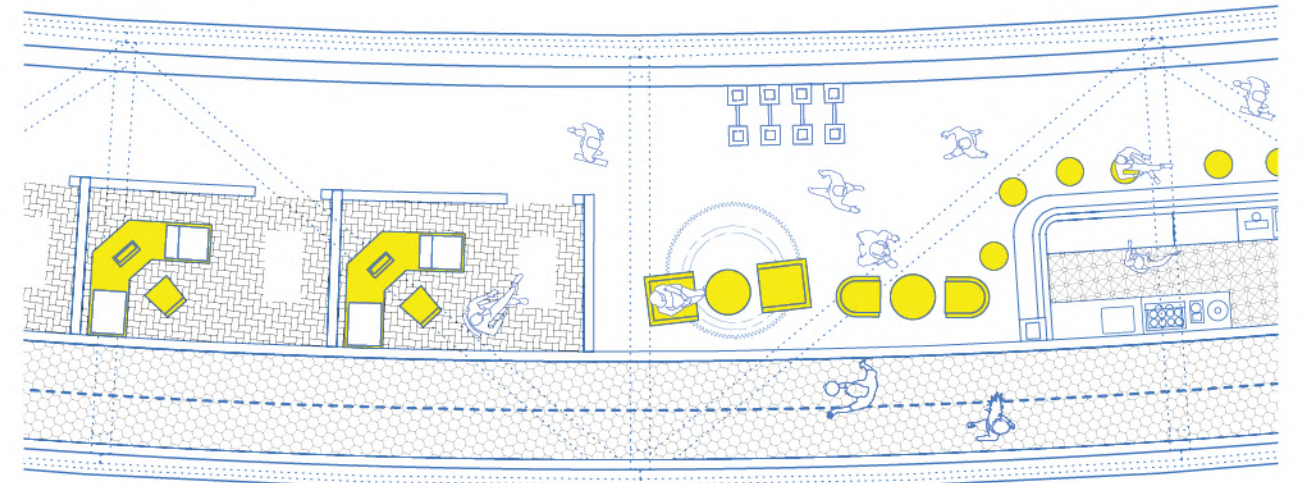


④ Water Front Activities

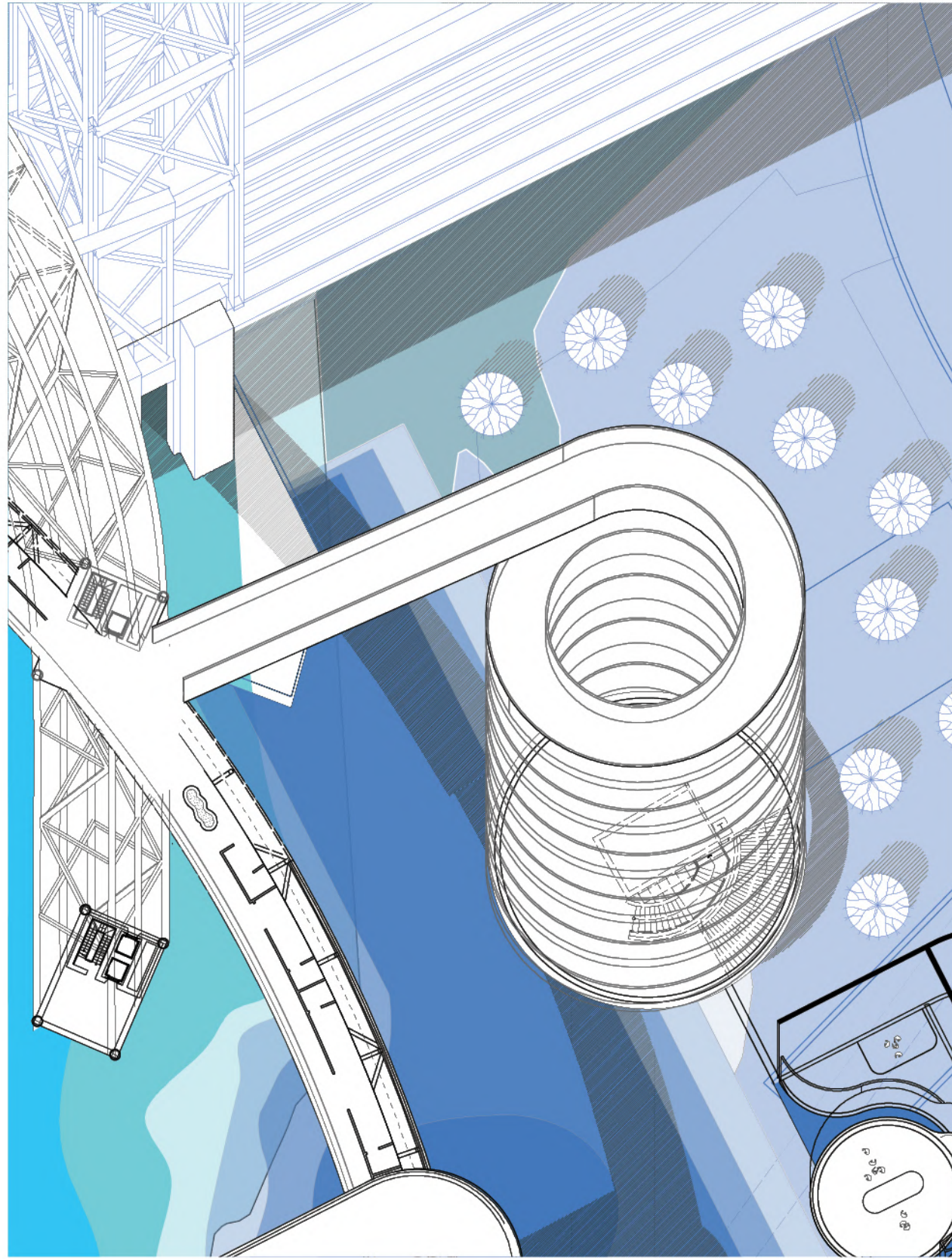




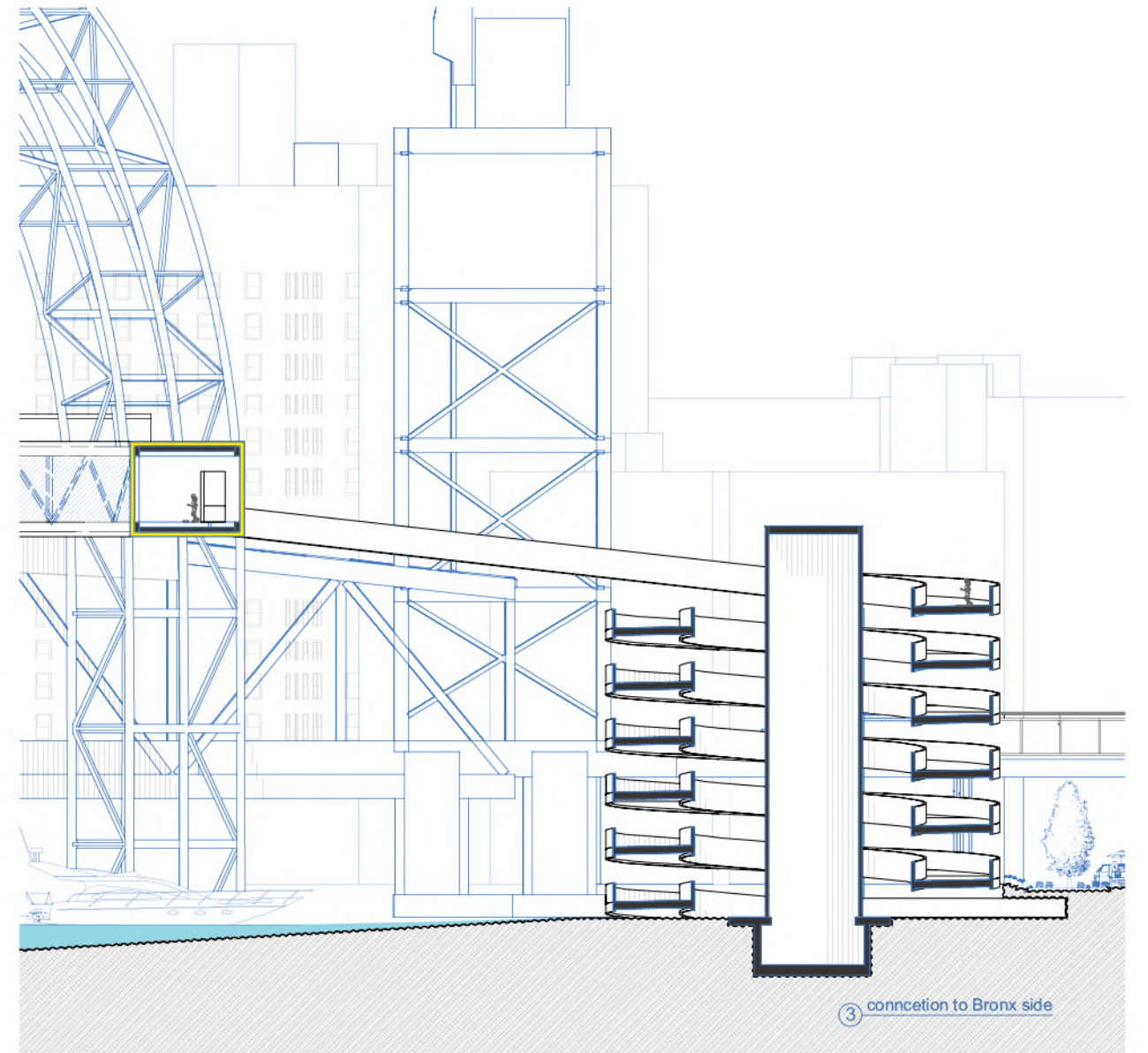
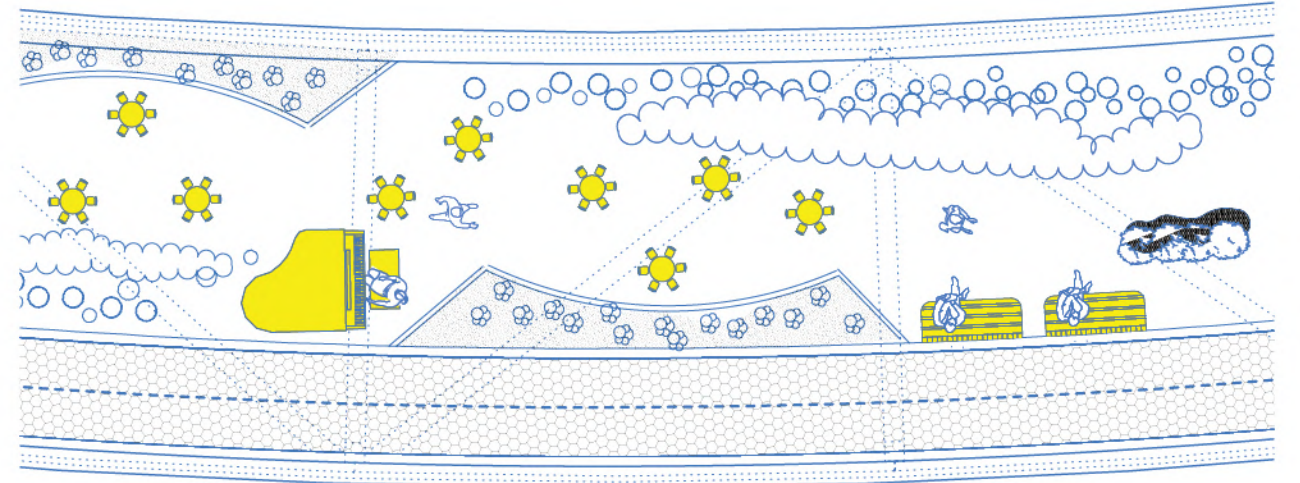
C. TEMPORAL WATER RESEARCH OFFICE



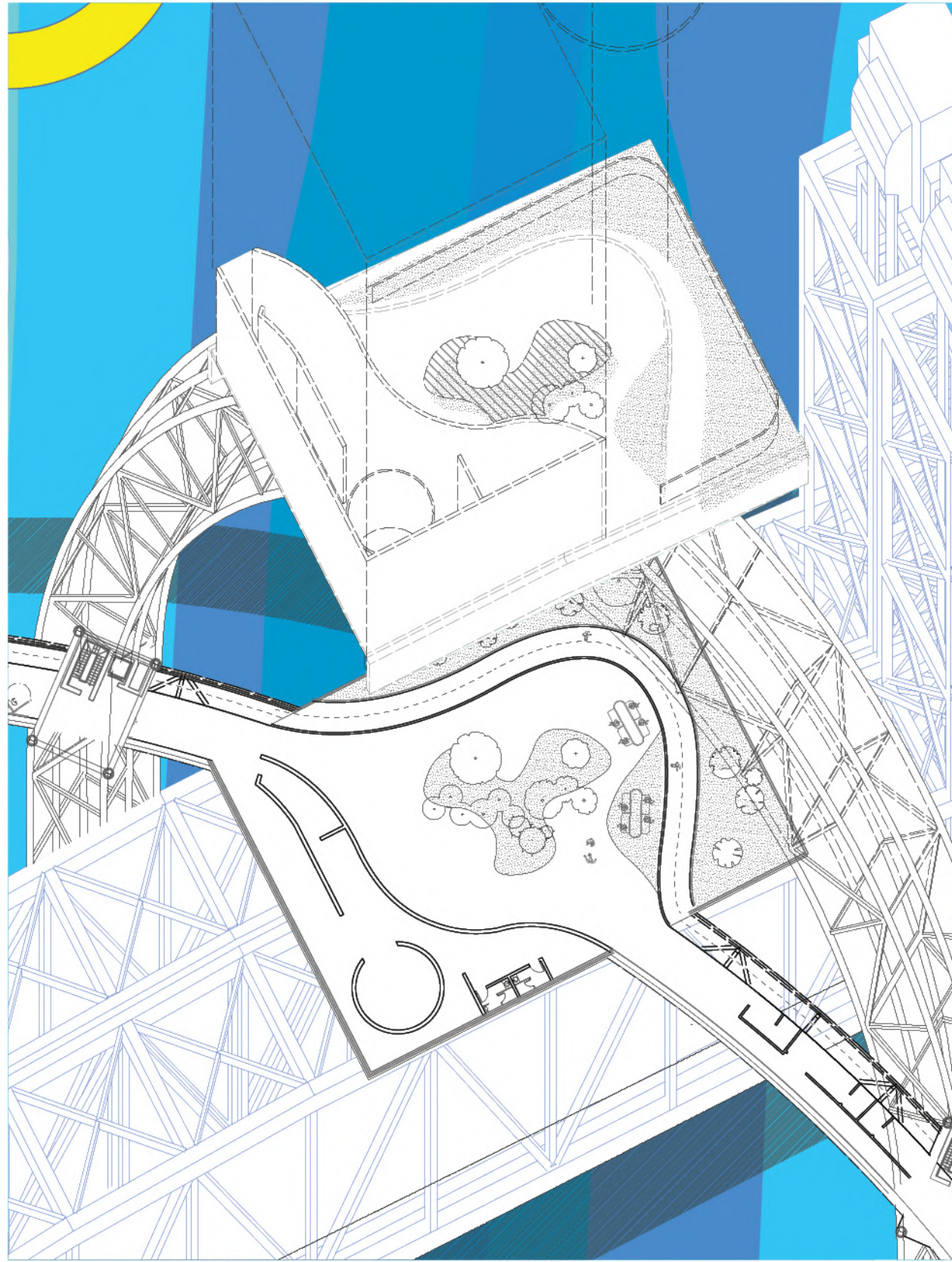
② Moving laboratory



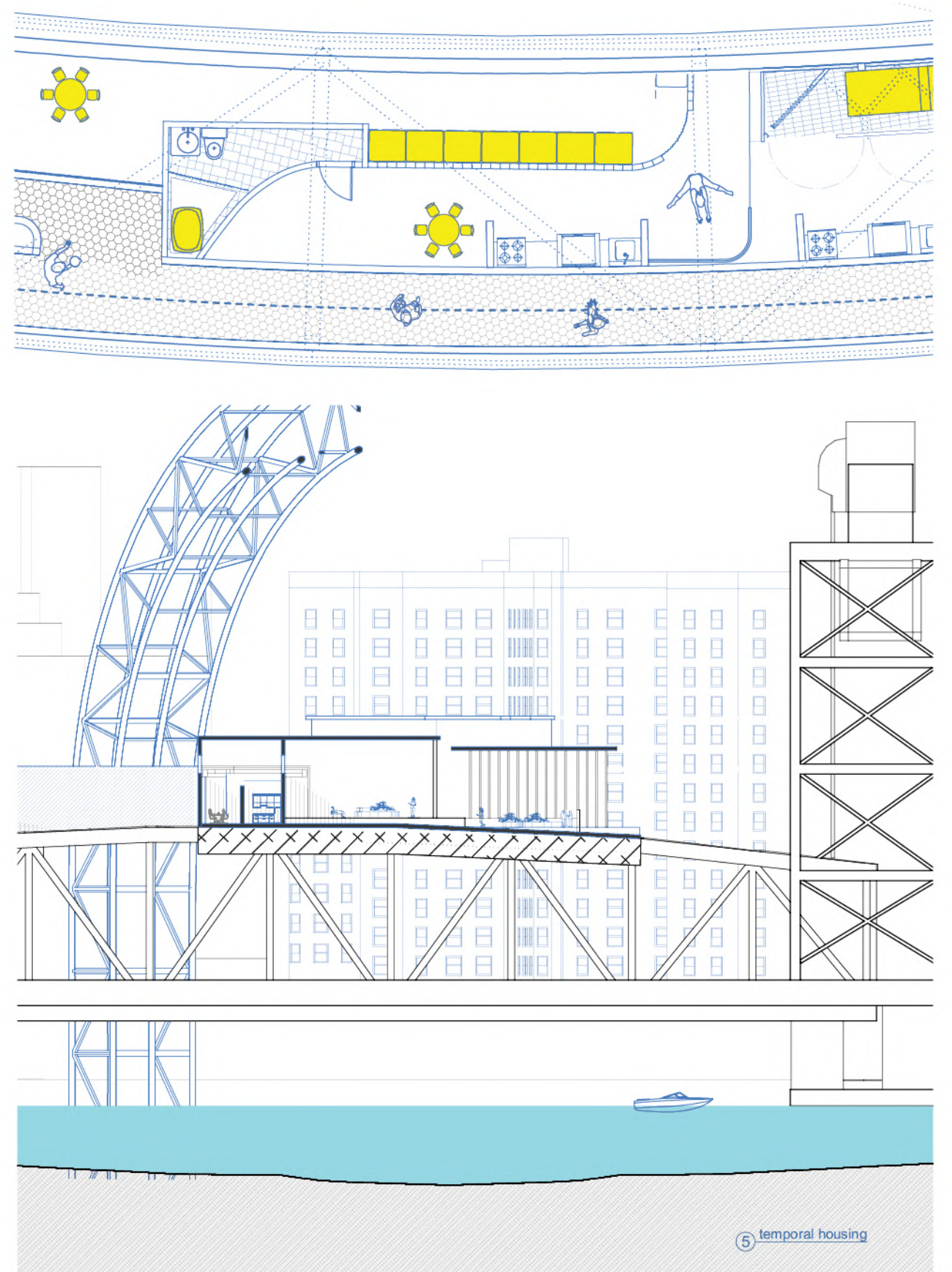
D. TEMPORAL WATER RESEARCH OFFICE

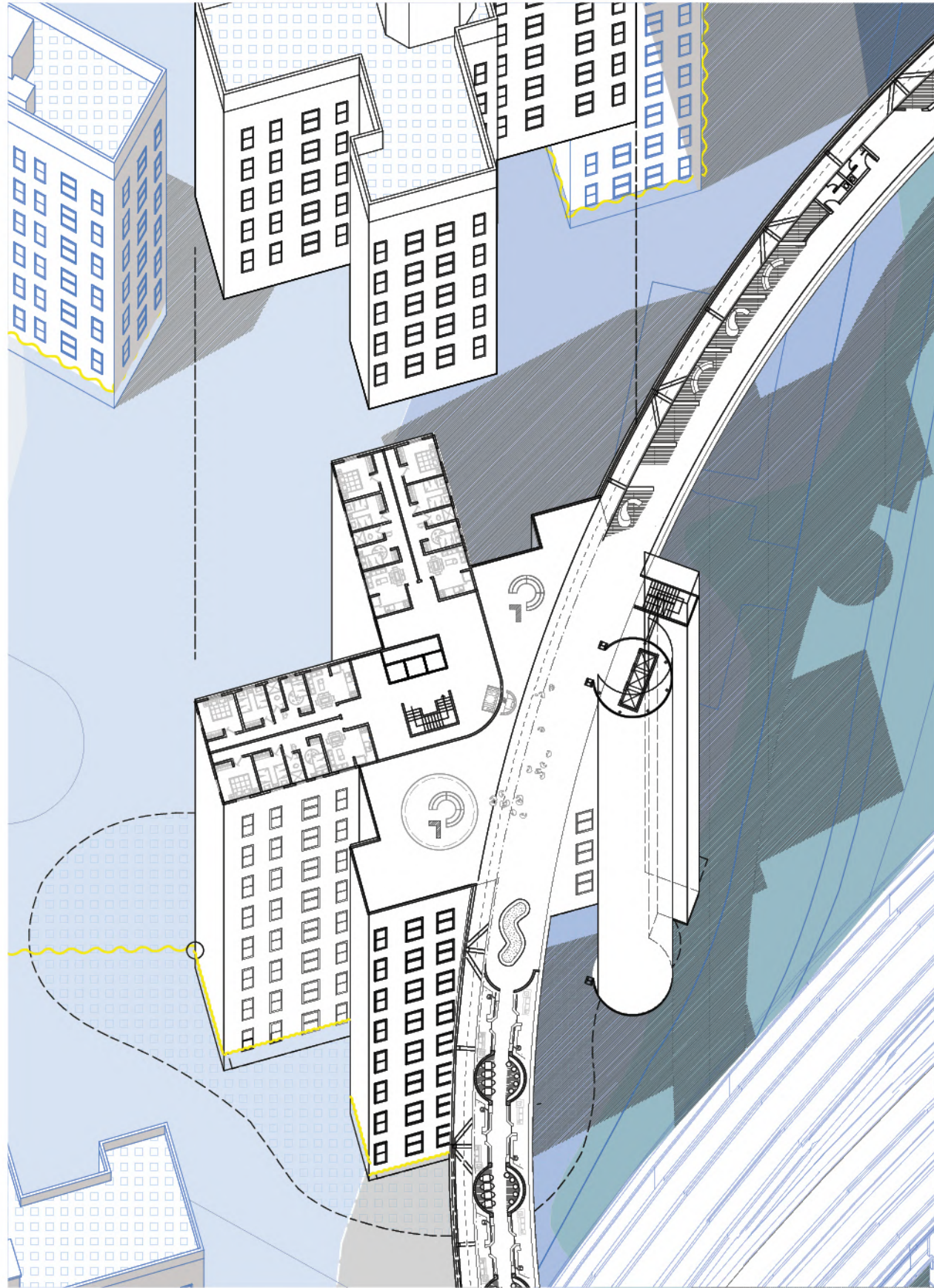


③ connection to Bronx side

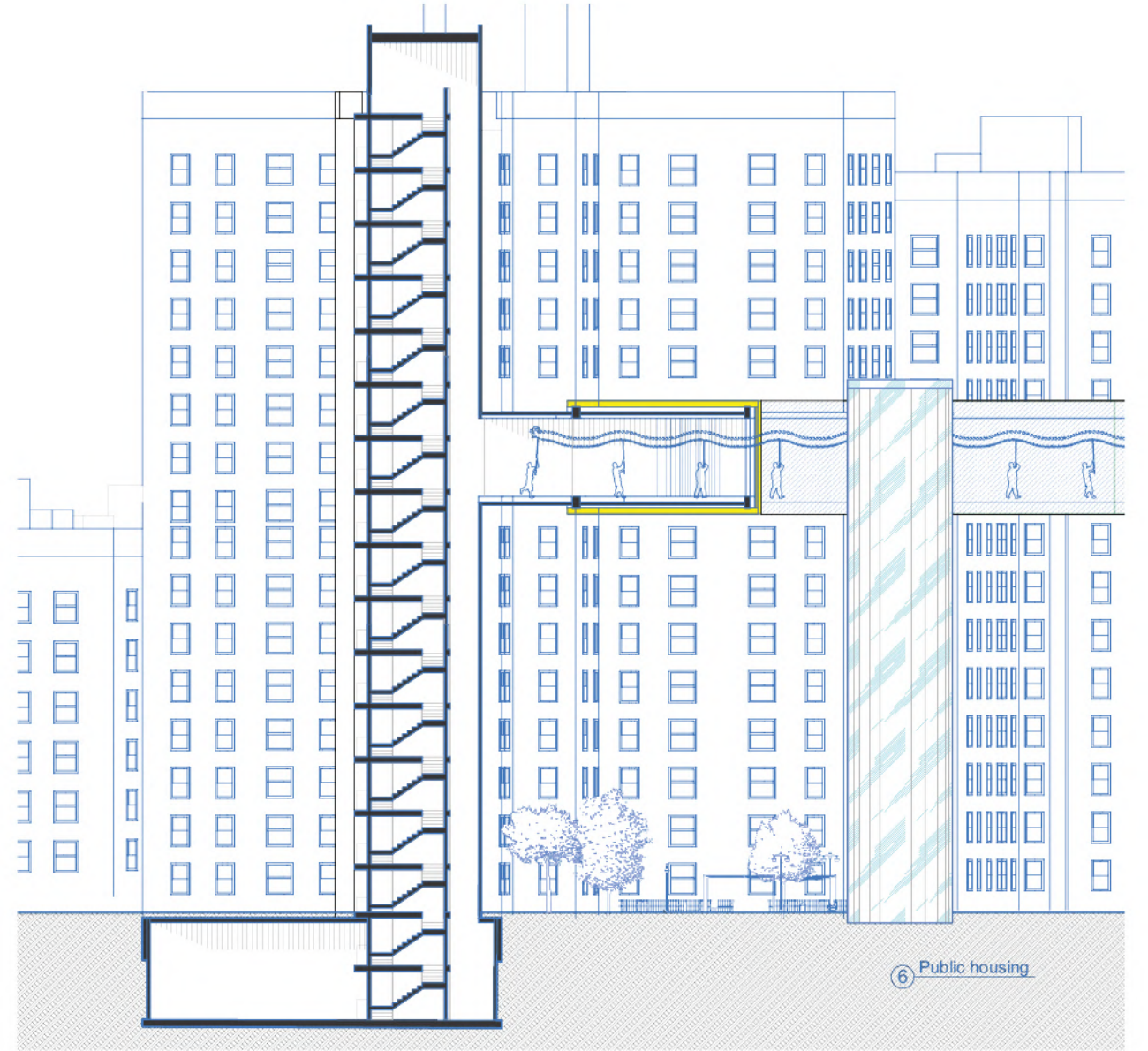
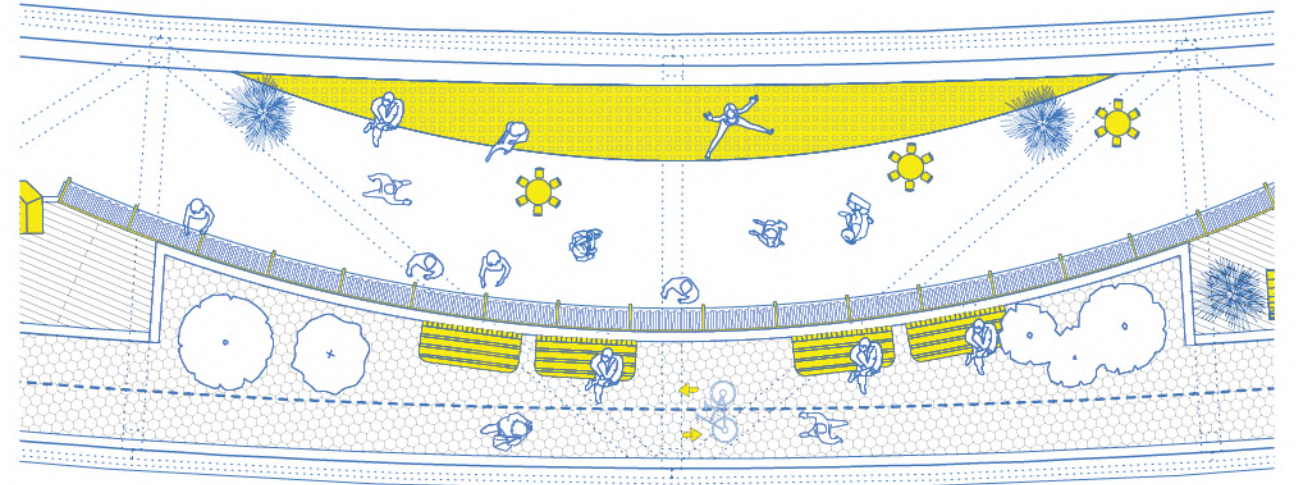


E. TEMPORAL SHELTER.

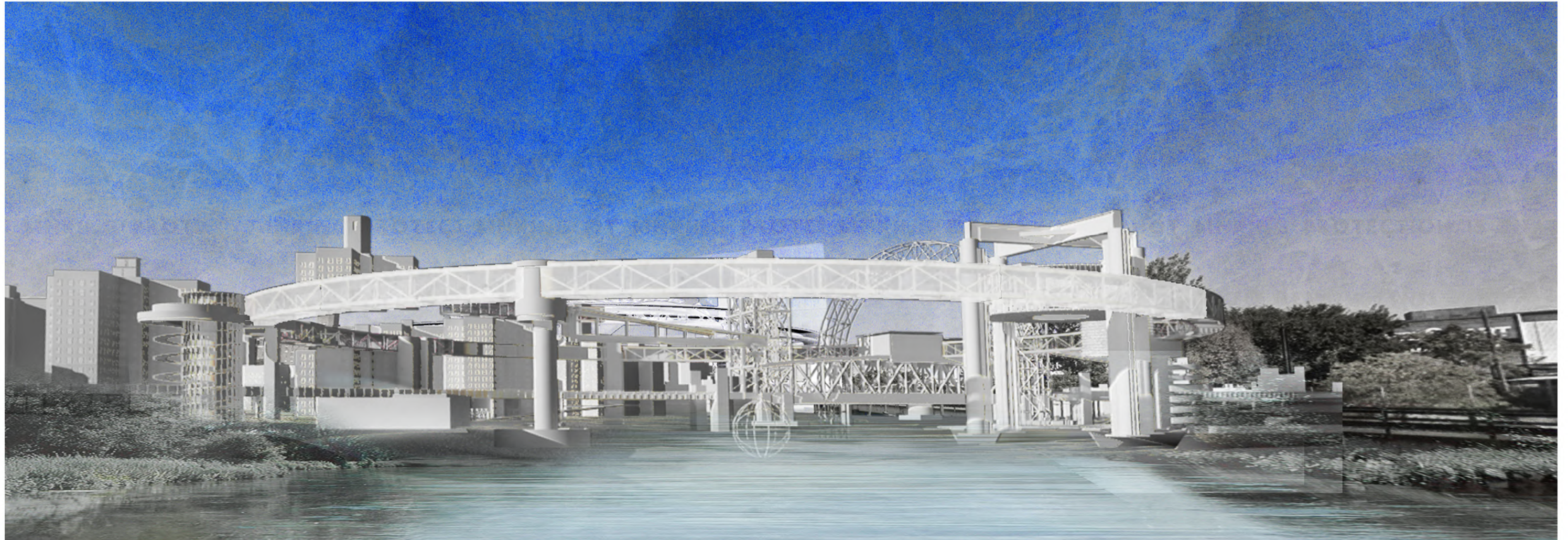




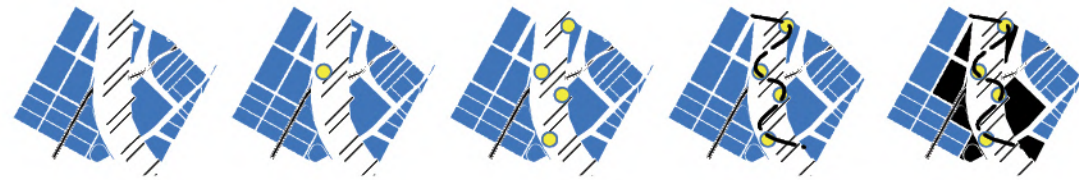
F. LIBRARY.



6 Public housing



**MOVING CONNECTIONS**



**ACTIVITIES**



**A larger sphere of influence**

The system is divided into fixed part and moving part. The fixed part provides guarantee for drifting modules to flow better on the river.

**Linkage with surrounding environment**

By contacting the riverbank, the modules can be organized as a different kind of bridge, creating cross-strait connections for pedestrians.

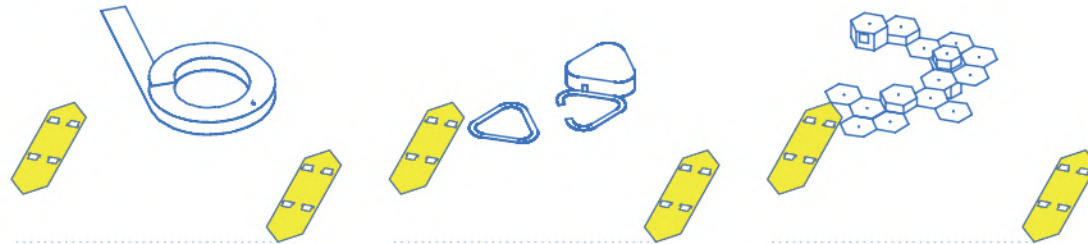
**Purer water resources**

Water treatment devices, such as filters, are placed underwater and run to purify sewage into water that can be used for activities like swimming, fishing.

**More diverse group activities**

It can gather people and is able to accommodate more interesting activities. Even holding some water festivals that can bring vitality to rivers and communities.

**MODULAR TYPE EXPERIMENT**



**Spiral**

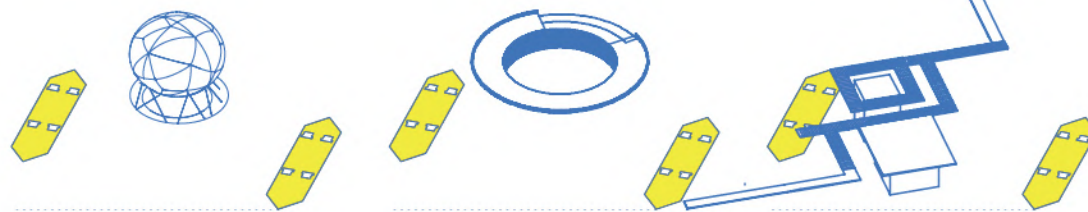
The shape of the double helix enables continuity of human behaviors and different perspectives of vision as well as strengthening the relationship between human and rivers.

**Taking triangle**

several forms are extended. Different forms are combined with each other, which not only meets the requirements of equipment but also provides places for people's activities.

**Hexagons**

offer possibilities for module combinations. Combining different functions in a dynamic way allows module to adapt to different situation of the river at any time and provides many different forms for different activities.



**Air Balloon**

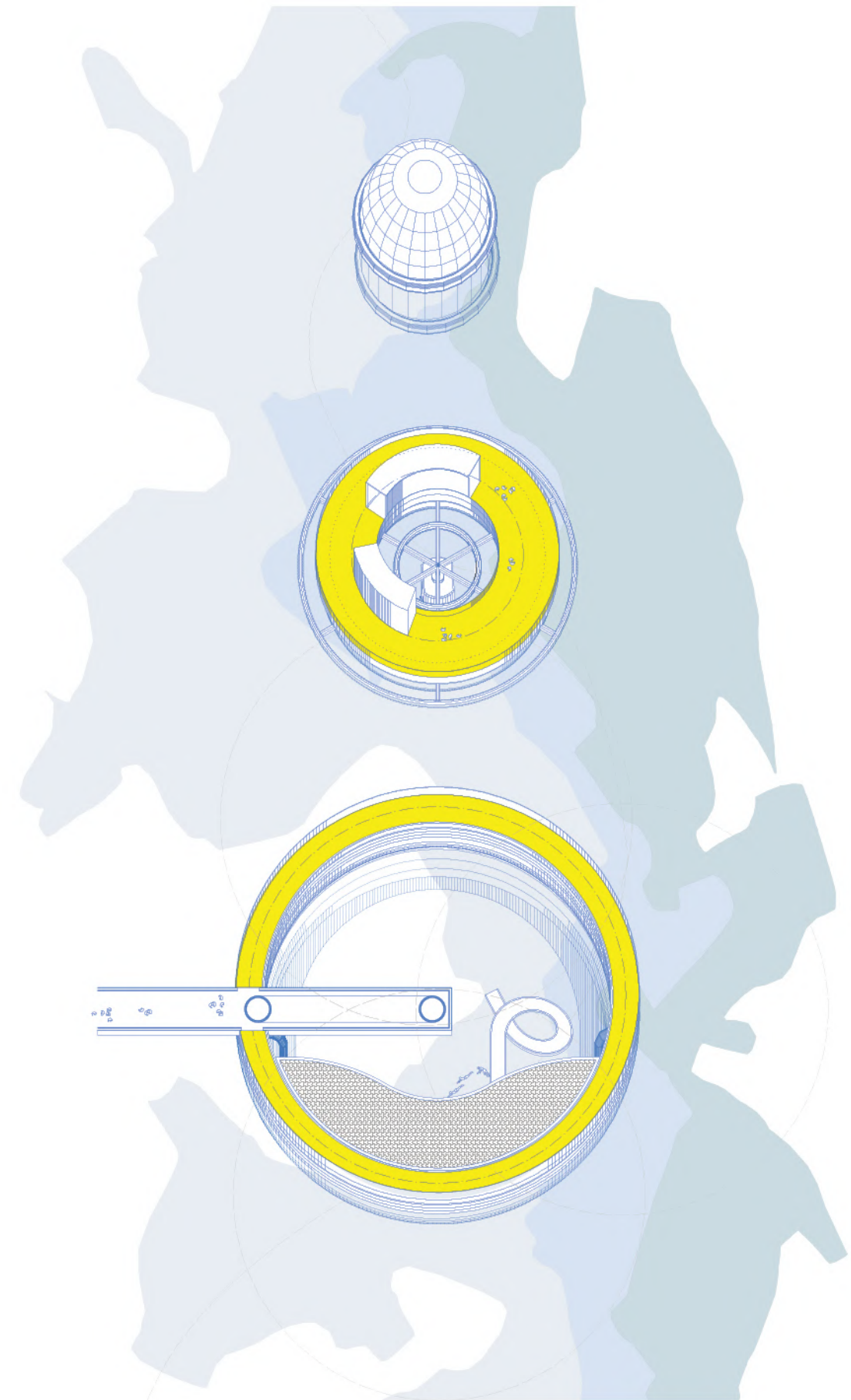
Balloon provides an interesting form which is vivid and attractive. Meanwhile, it also incorporates more environmental elements such as air into the devices promoting the joint implementation of education and experiments.

**Ring**

This shape focus on forming a sense of enclosure. Under the river the structure is equipped with filters and other devices allowing people to swim within a cleaner environment.

**Platform**

This form simplifies all relevant equipment and devices into a closed solid space, reducing the volume of the module and decreasing the impact of this module on environment around the river.





Collage



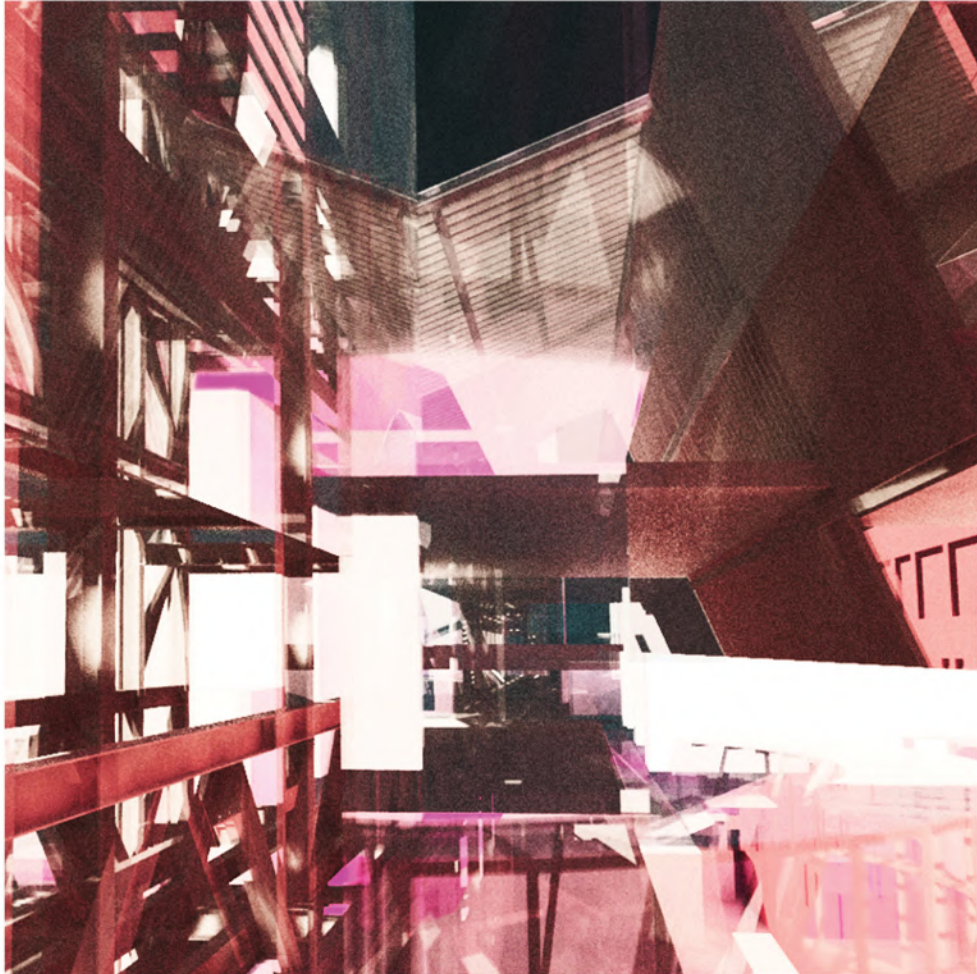
Physical model shot

# 02

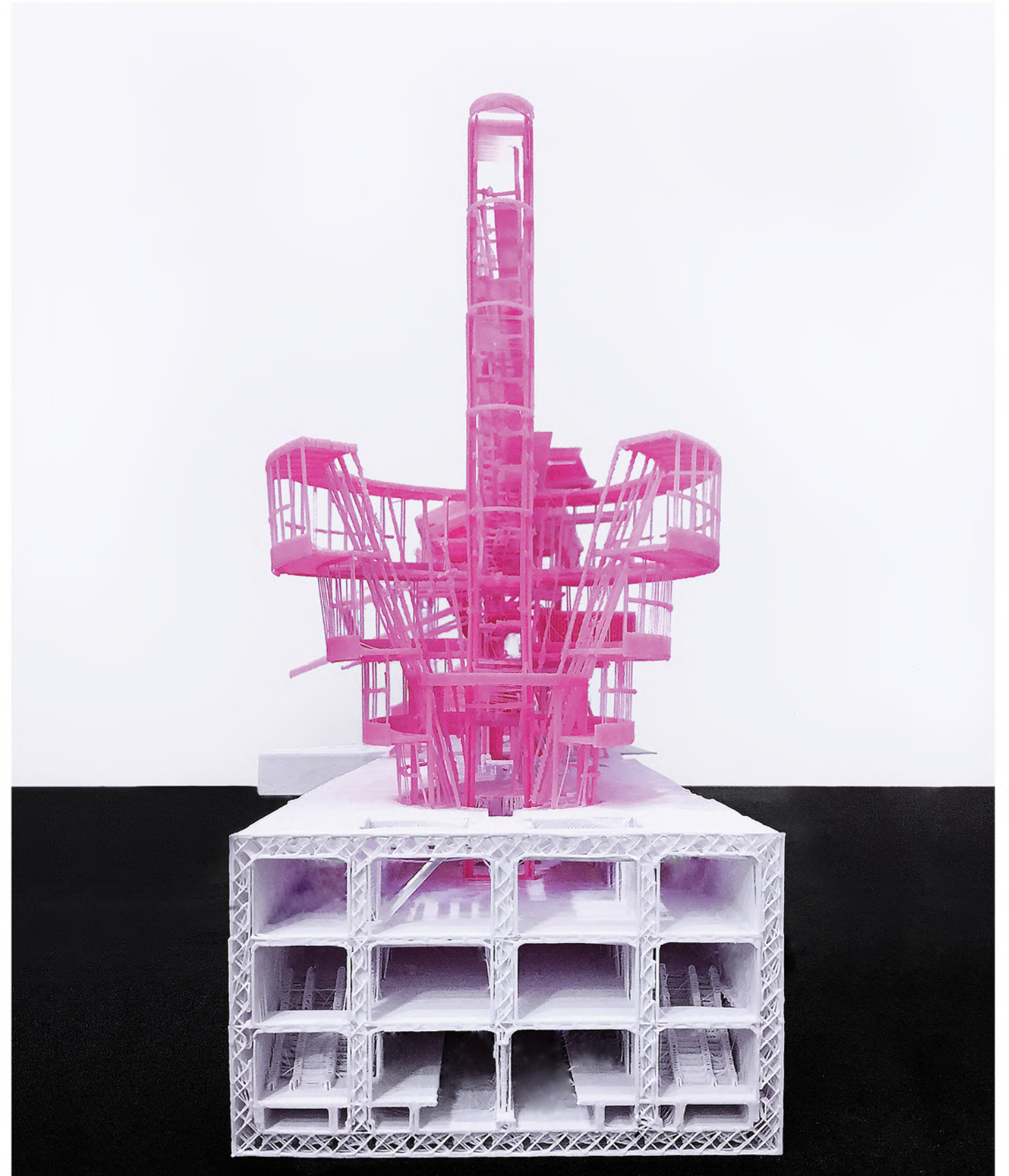
## CRESCENDO | PUBLIC ATRIUM FOR EDUCATION AND PRODUCTION

2019 GSAPP FALL ADVANCED V ARCHITECTURE STUDIO  
INSTRUCTOR : RICHARD PLUNZ, HYUNWOO SCOTT CHUNG  
I INDIVIDUAL WORK

Since a broad range of shops already fully covers all different users in Banpo area, currently, on the site, there are only Final Products in showcases. This means that the area is revealing the peak of commerciality. The obsession with the Final product is a disregard and overlooked its importance of manufacturing processes, human behavior and imperfection. Therefore, I propose 'SHOPPING' as public intermediate-level actions. Instead of simply showing the processing activities, I thought a program that would combine them into education and public areas. Along with the linear urban green atrium, each area is greatly divided into five zones around the space, including children's education and experience, meeting and gathering space, Exhibition Space, class one day. Space and prototyping center. It will be allocated with the hierarchy of publicity and will be reborn as a public space where people shop for behavior rather than simply shopping for objects.

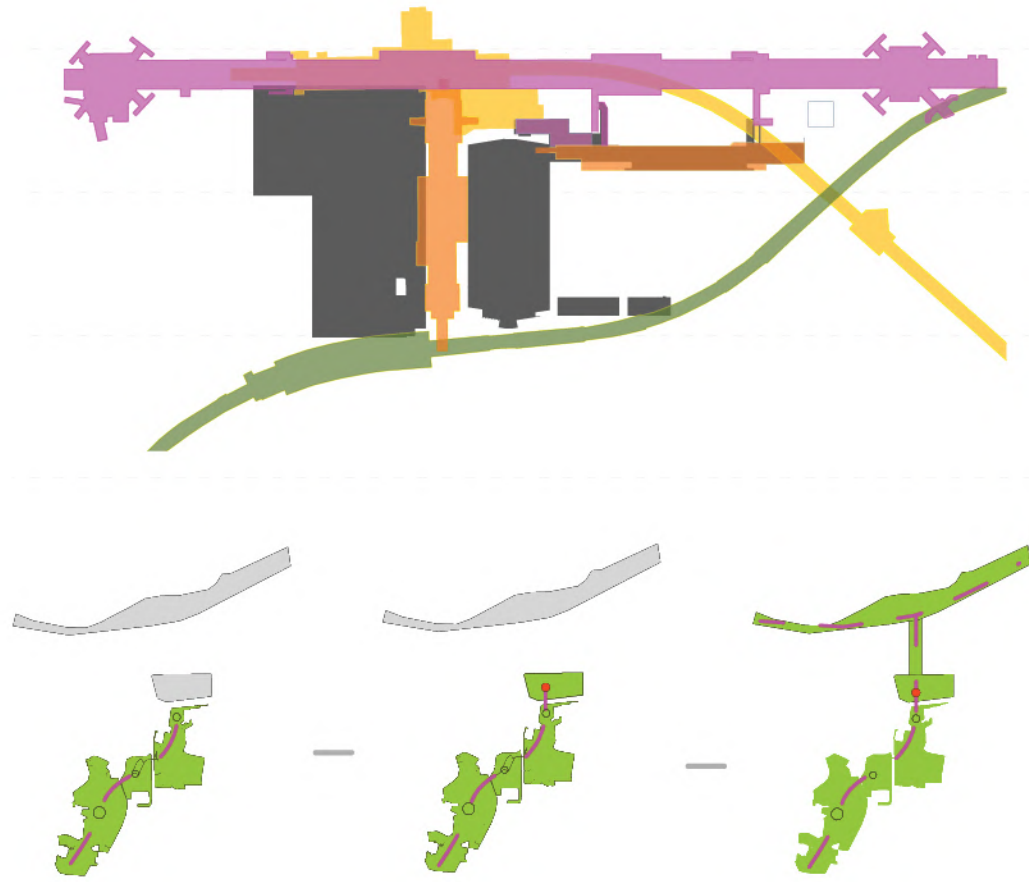


Collage



physical model 1:200 3d printed





Transportation infrastructures can provide a solid purpose for city migrations. Paradoxically, however, in the local context, it can become isolated from its surroundings. The Seoul Express Bus Terminal is one of those instances. Since it has a vast area, it is not suitable for pedestrians and near the site, there is a lack of public open space. However, given its extreme central location, with reconfiguration of the building it can become an important element in generating a new plan for its larger urban context. This proposal addresses how city infrastructure in the middle of large residential area can link to the site context and enhance local identity.

The site is divided into two parts: the old bus terminal building and a new complex of department stores, terminals and hotels, dominated by the SSG department

store. The two face each other in a dark alley "backdoor" area. This artificial valley is a missing piece of green connection which link to Han River. As a result of intersections of multiple transport infrastructures, a huge underground commercial space developed, isolated from the ground level that is focused on vehicles rather than walking, the natural pathway is totally isolated. This proposal addresses the backdoor "valley" area through relinking the broken urban flow on ground level and bring back to the locals.

Engraving urban flows by penetrating middle of the site, it also weaves together the terminal and department store in various ways. the main part of the intervention is a botanic atrium, and the building itself will linking the different levels working as multi-dimensional pedestrian walkway. Therefore, the spaces become

integrated between underground and ground with multi-dimensional circulation. A new axis for the Express Bus Terminal increases accessibility for the public to the entire site.

PROGRAMS: consuming the process itself.

Since a broad range of shops already fully covers all different users in Banpo area, currently, on the site, there are only Final Products in showcases. This means that the area is revealing the peak of commerciality. The obsession with the Final product is a disregard and overlooked its importance of manufacturing processes, human behavior and imperfection. Therefore, I propose 'SHOPPING' as public intermediate-level actions. Instead of simply showing the processing activities, I thought a program that would combine them into education and public areas.

Along with the linear urban green

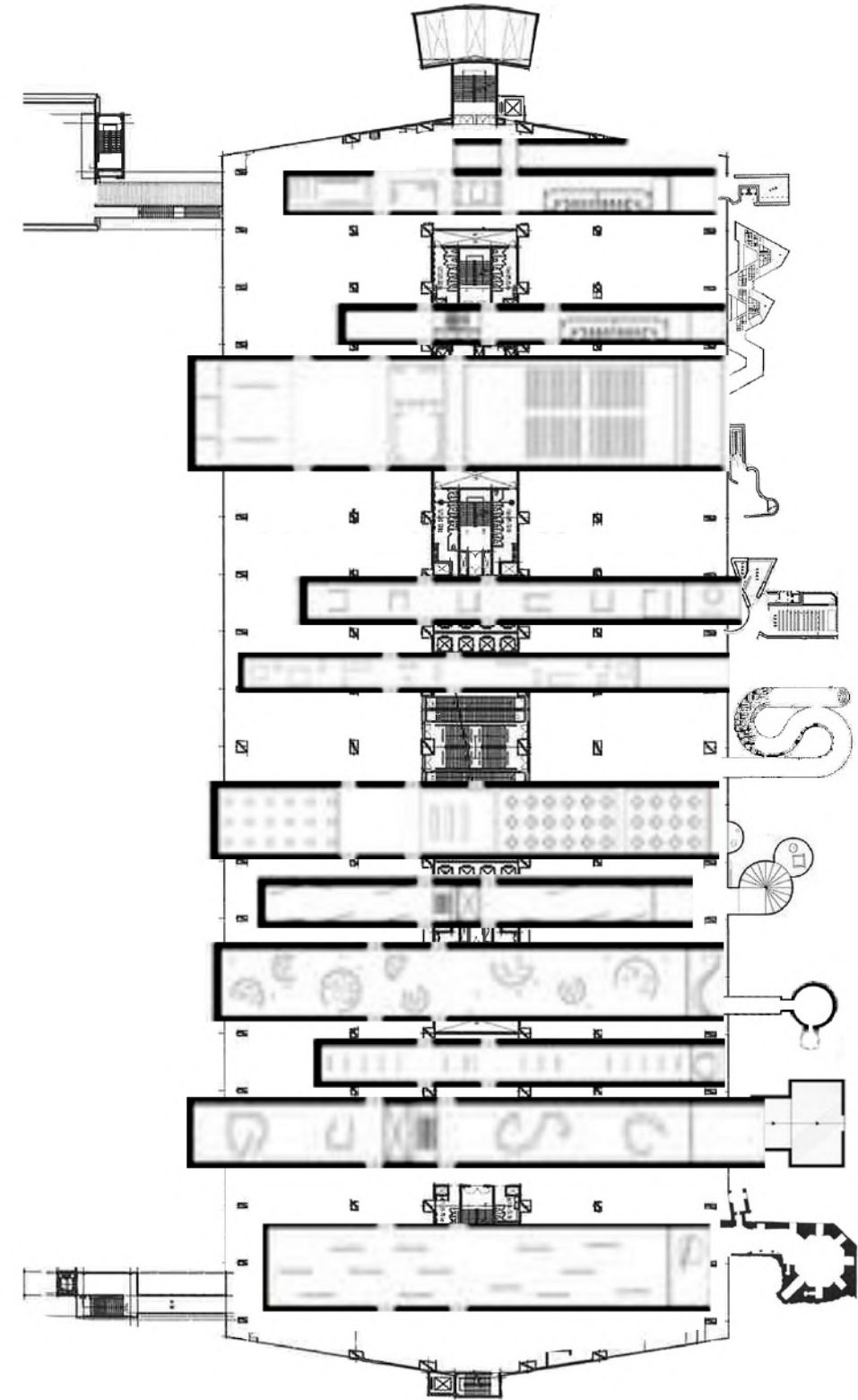


**PROJECT A**  
**OLD BUS TERMINAL 5th Floor Renovation : Small Wedding**

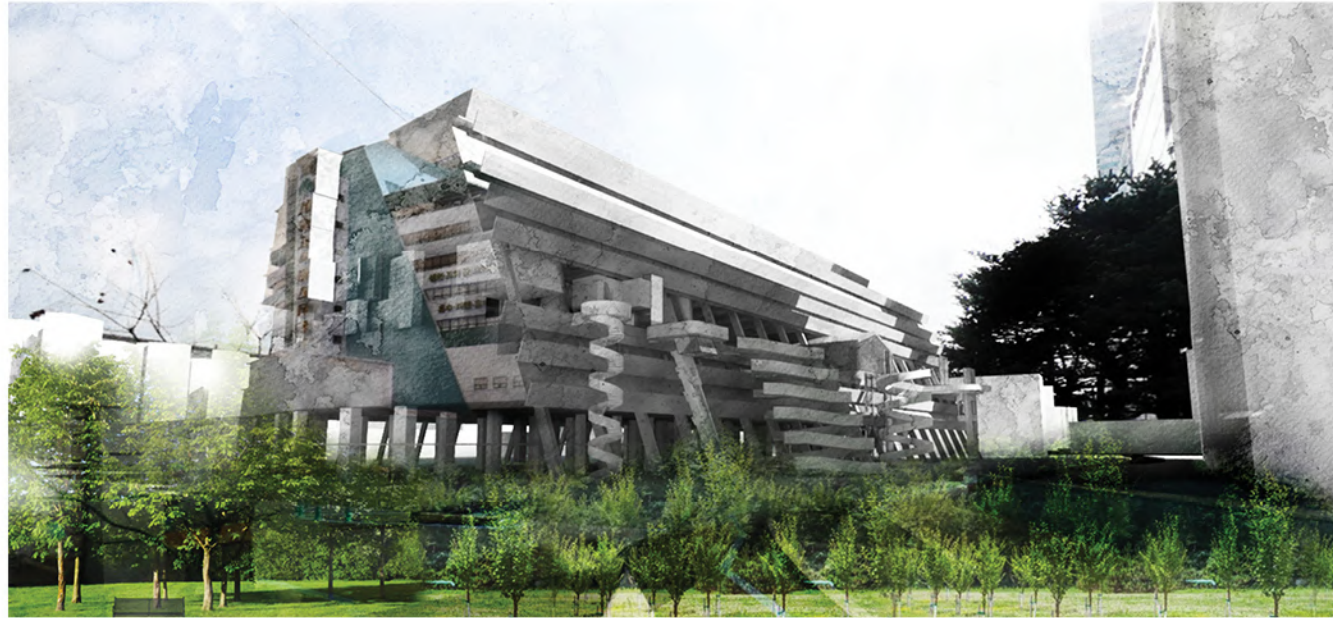
There is the possibility to maximize the strengths and opportunities for such 'Transportation Infrastructure' as gathering place. Because of the advantage of the Terminal itself in connecting many different cities, it was working actively as a Wedding hall until 2017, before the Marriot hotel launched. Other floors have functions correlating with weddings such as a gift and flower shops, reestablishing the wedding can still provide a great opportunity to revitalize whole building. Moreover, today's, the new trends for marriage in South Korea is totally different from previous wedding practice. It has changed from family centered to individual-centered; as well to cheaper, lighter, more interactive with social media. The proposal will emphasize the new trends for wedding space while also providing flexible rental space and a SSG's pop-up store, with new fashion brand collection for wedding. The 5th floor will offer a whole process for weddings (small weddings), from display, to consumption, to celebration



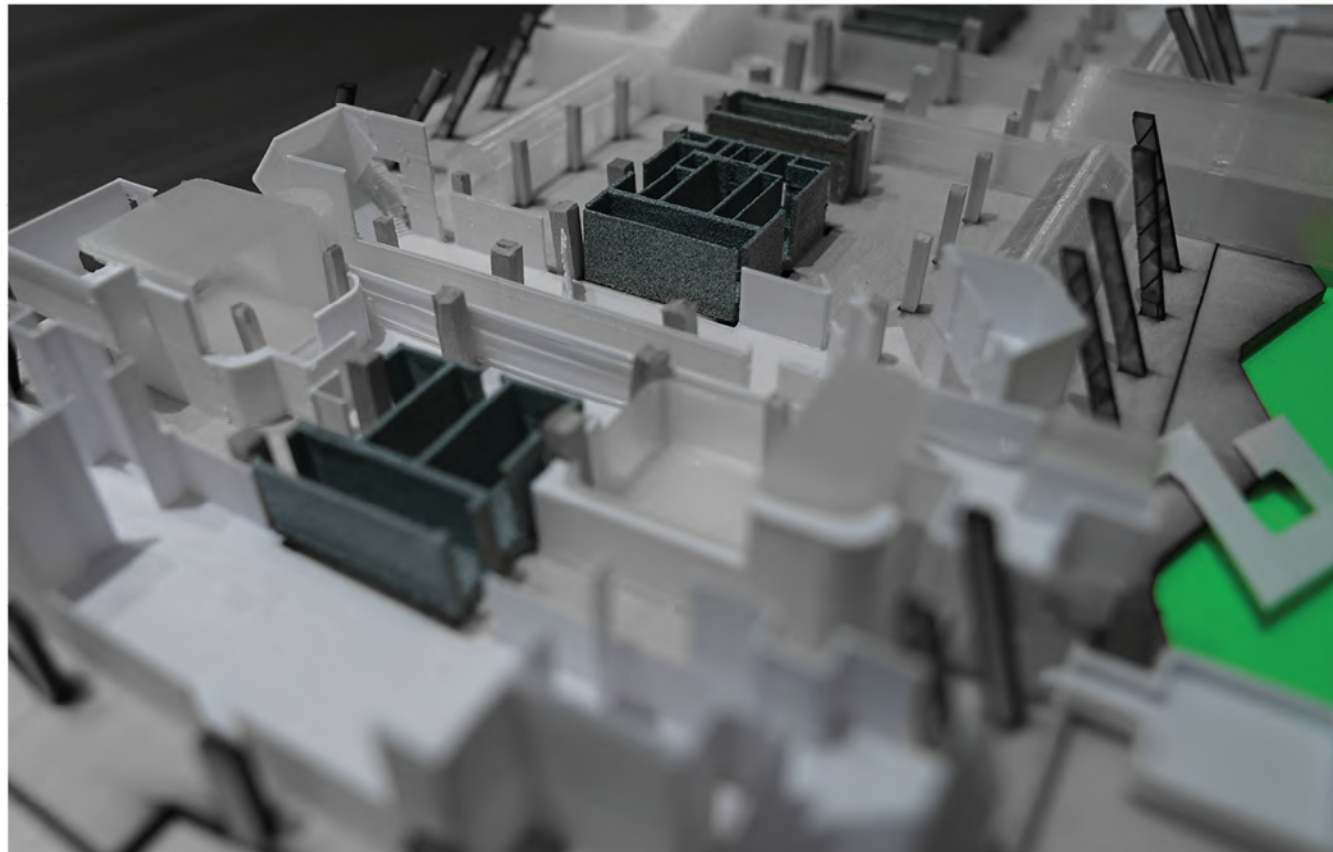
Concept collage



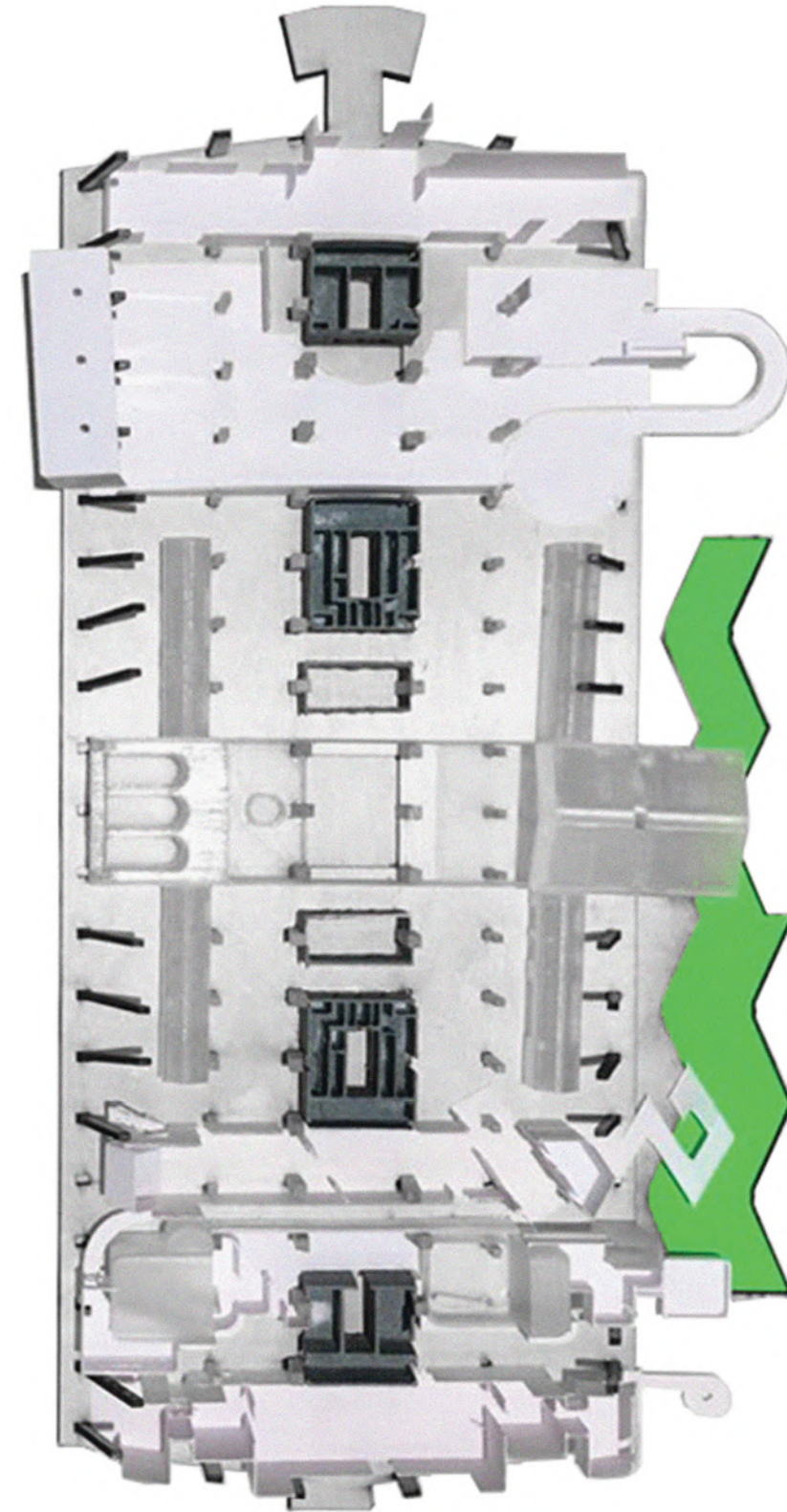
Plan collage



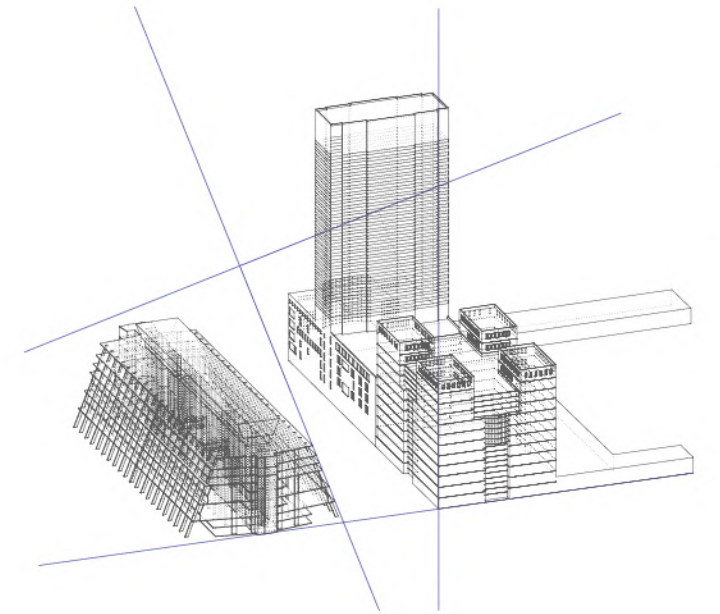
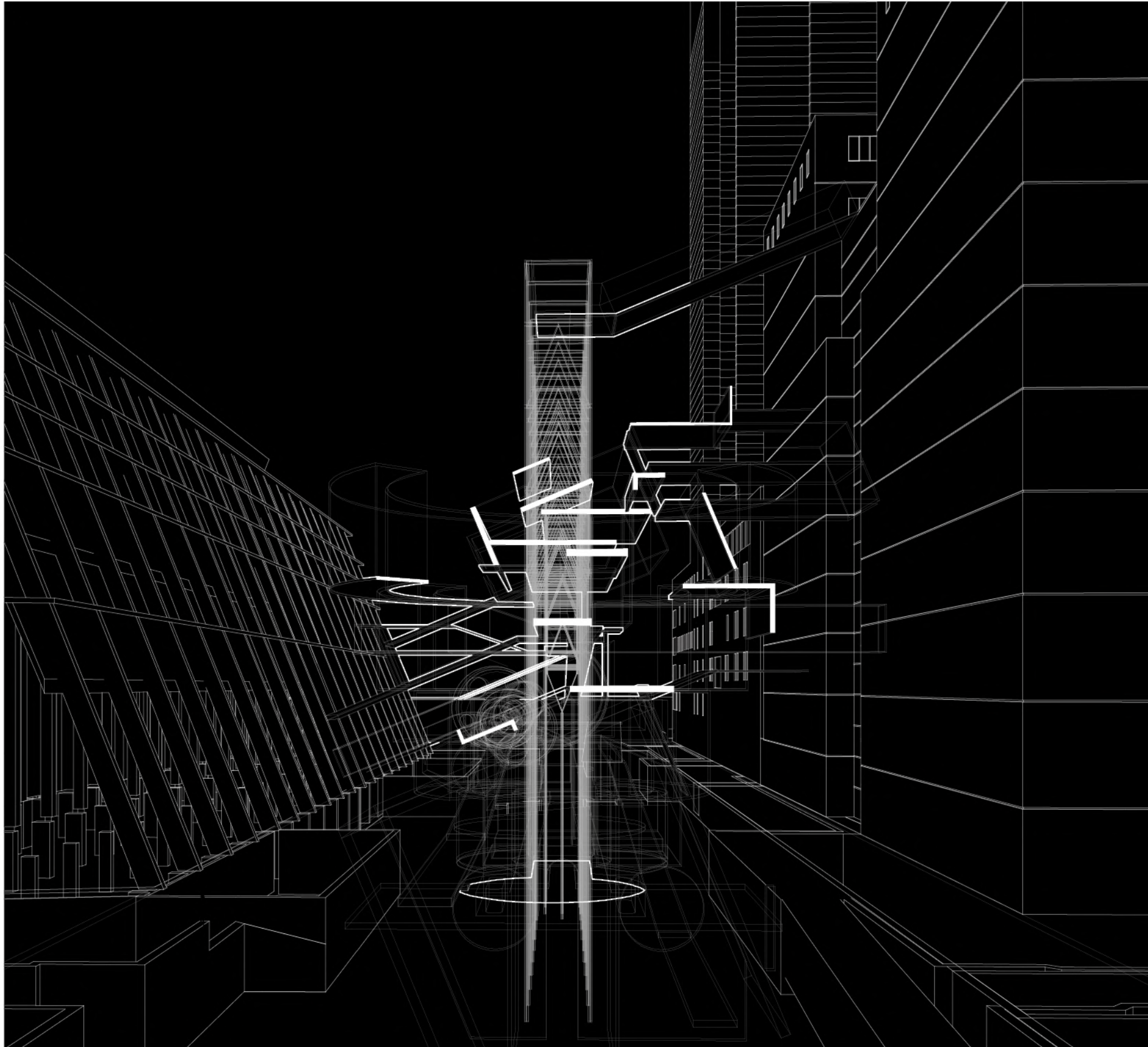
Collage



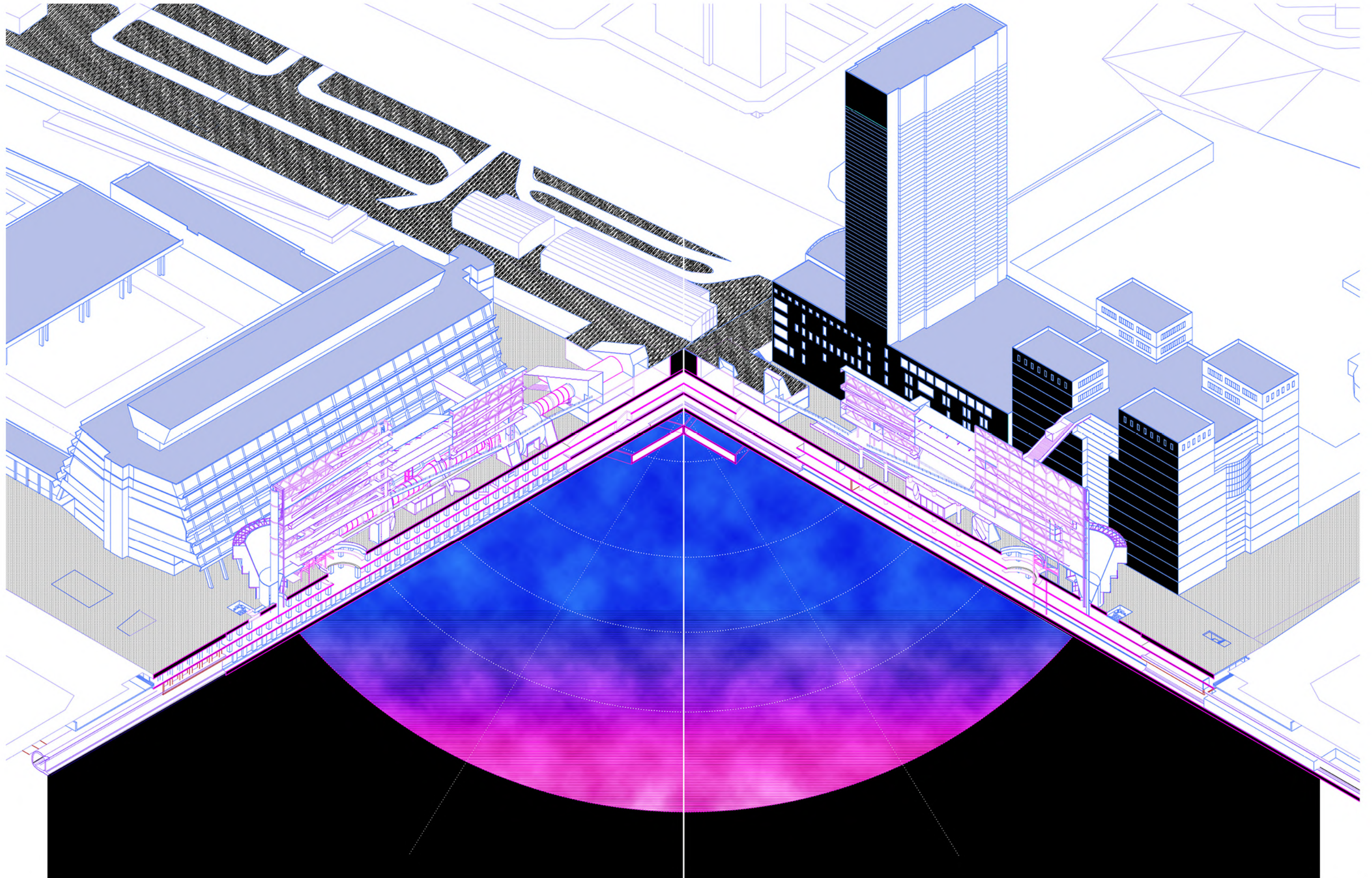
Physical model shot

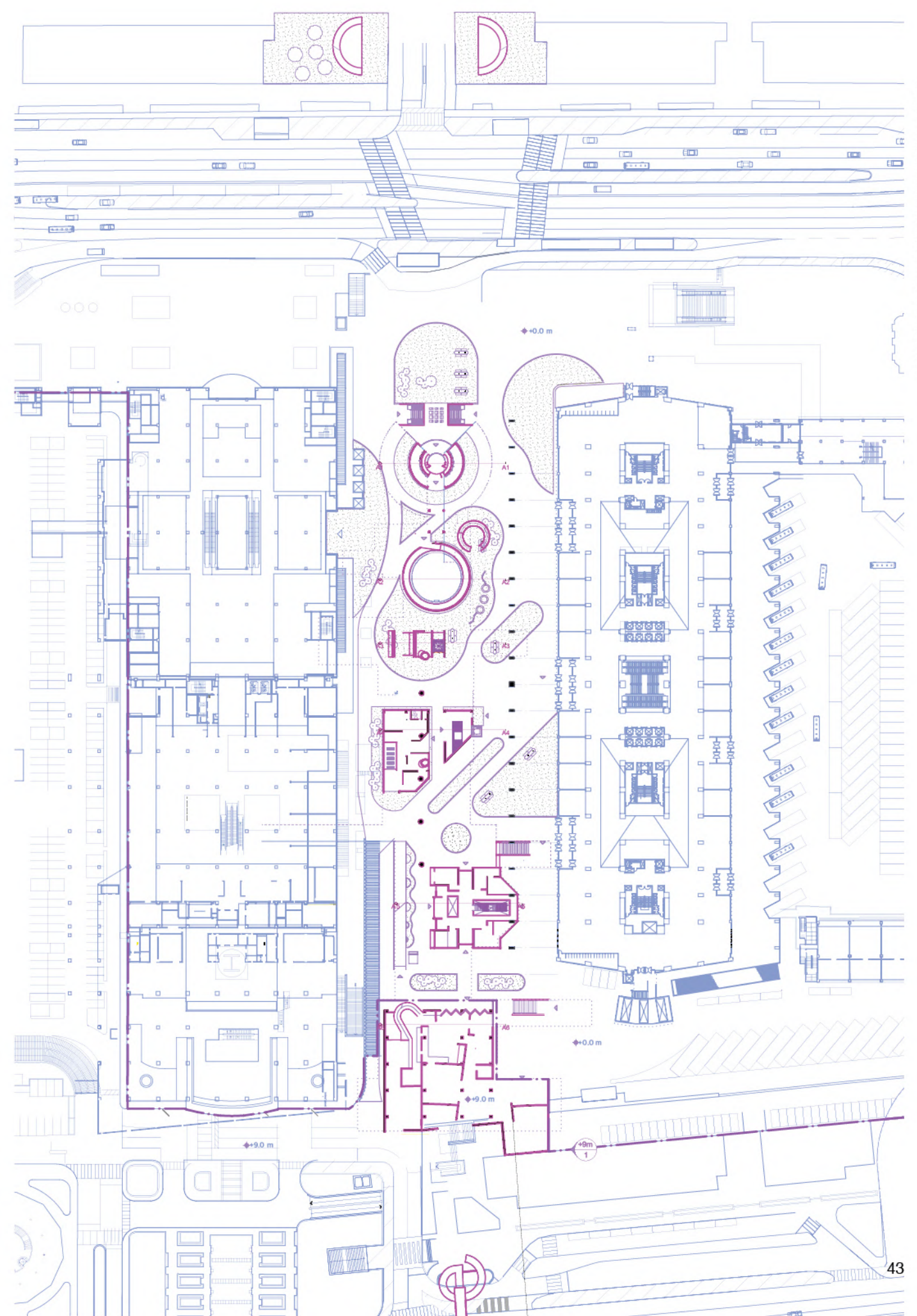
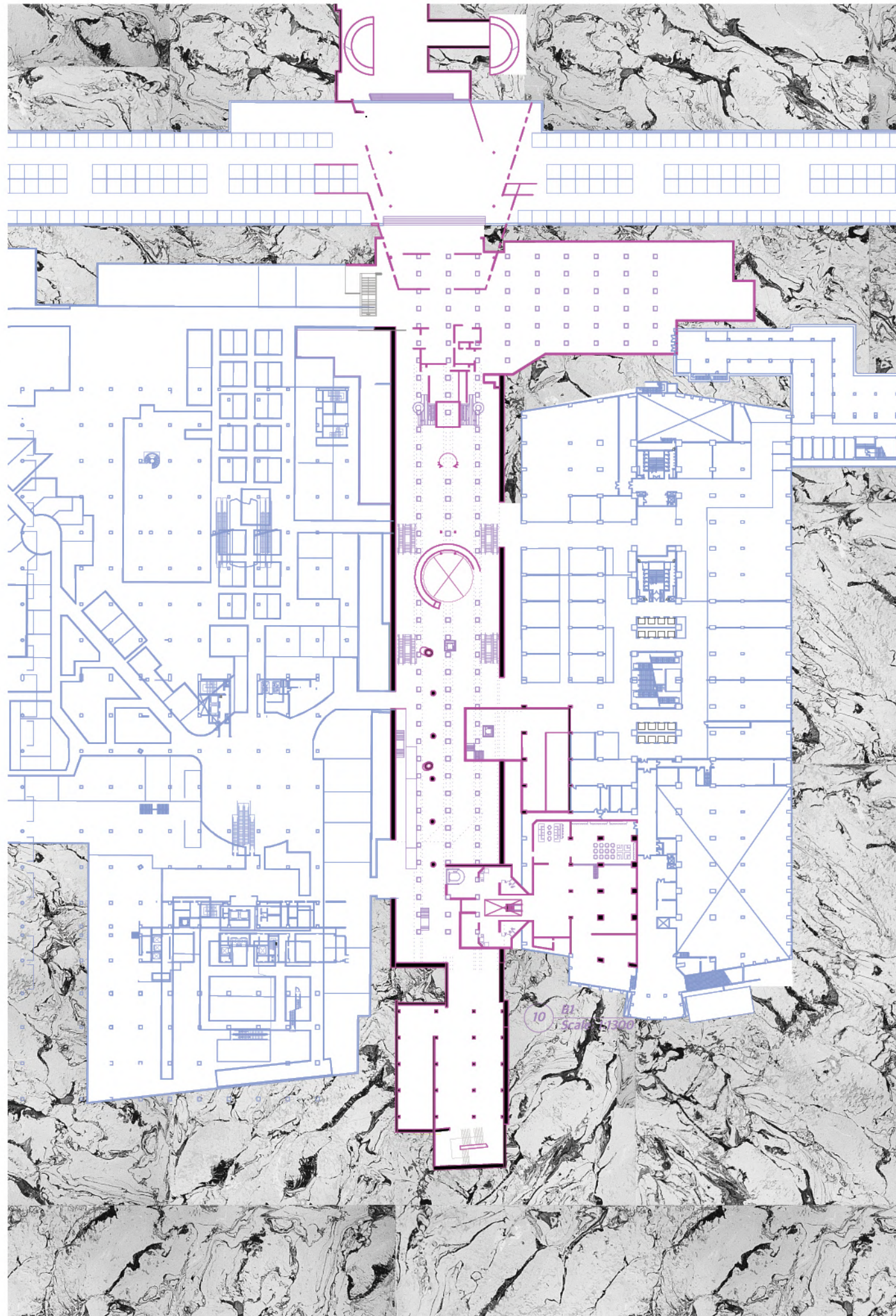


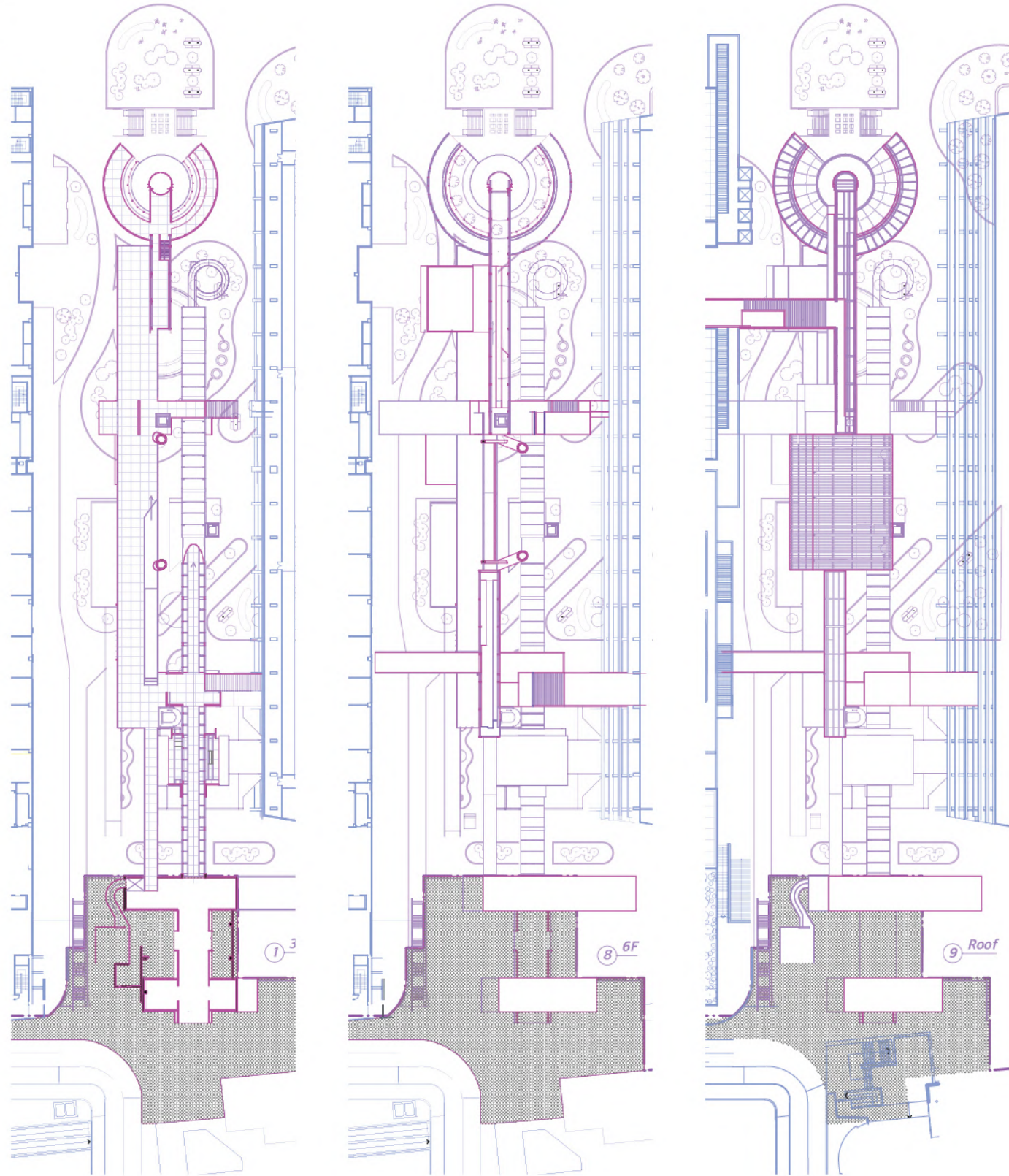
Physical model shot



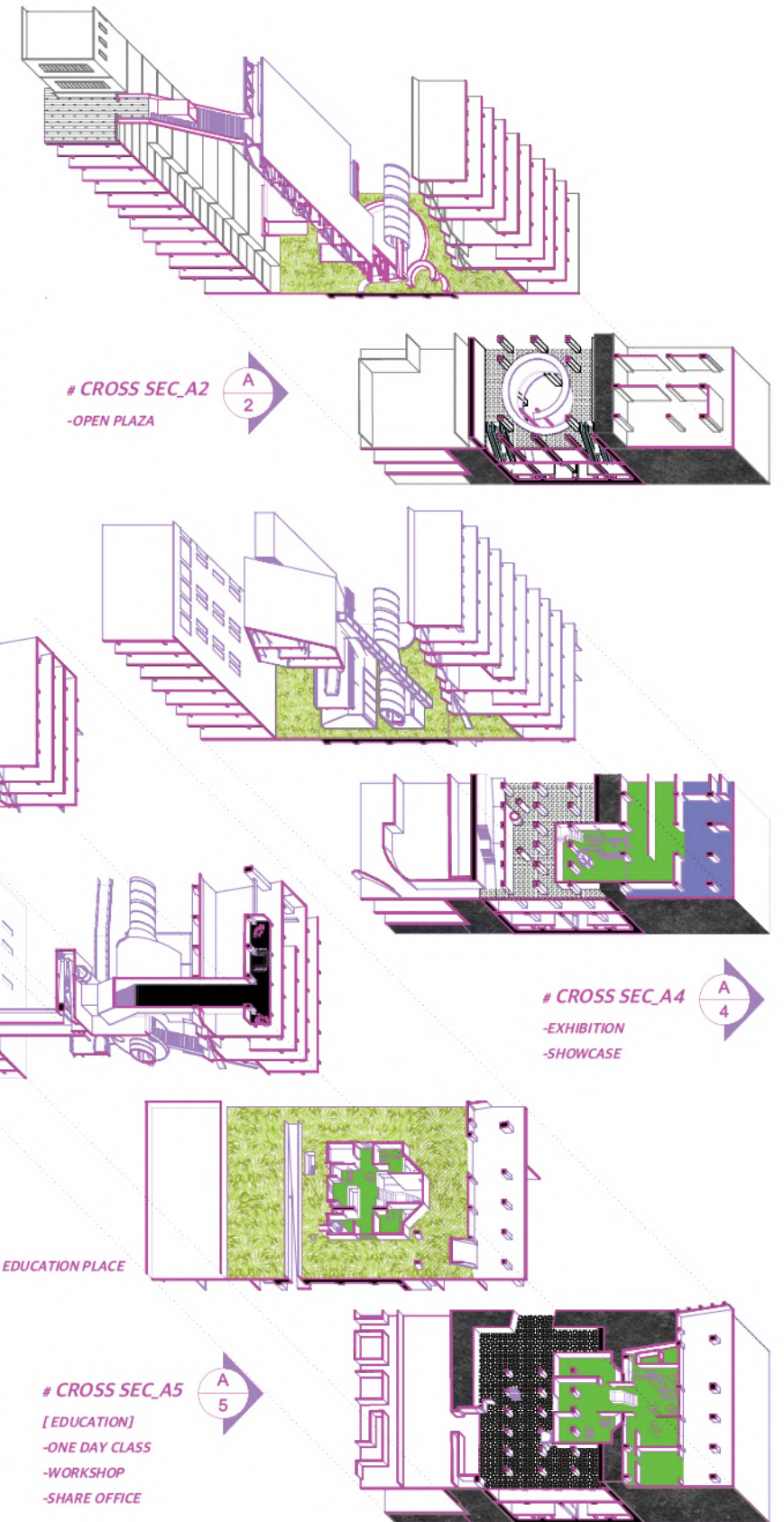
The Express Bus Terminal is part of Seoul's patrimony; an 80's brutalist building with a unique sloping facade and ground level colonnade. Working with these elements, the proposed geometry is intended to be a powerful strategy for combining elements in the site. At the central axis of the project area, a split uncovered area brings light to the underground.

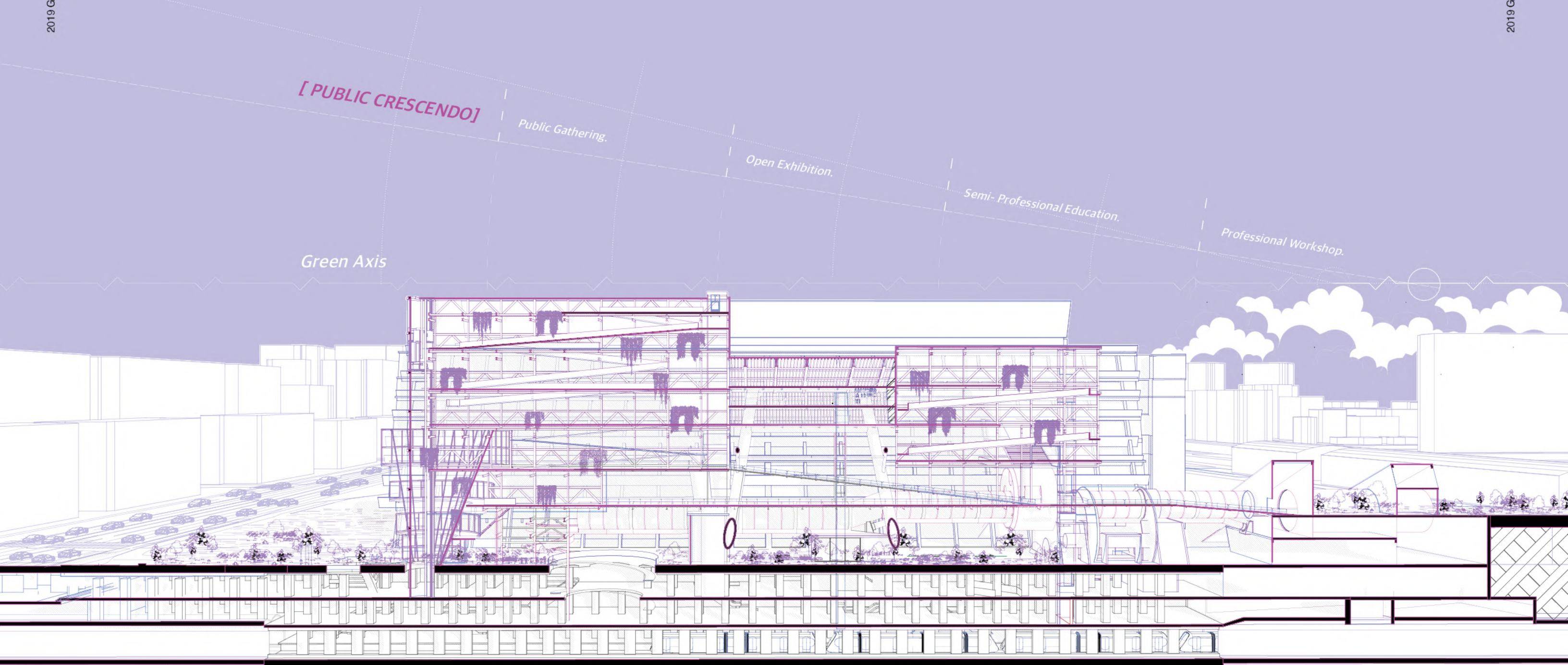






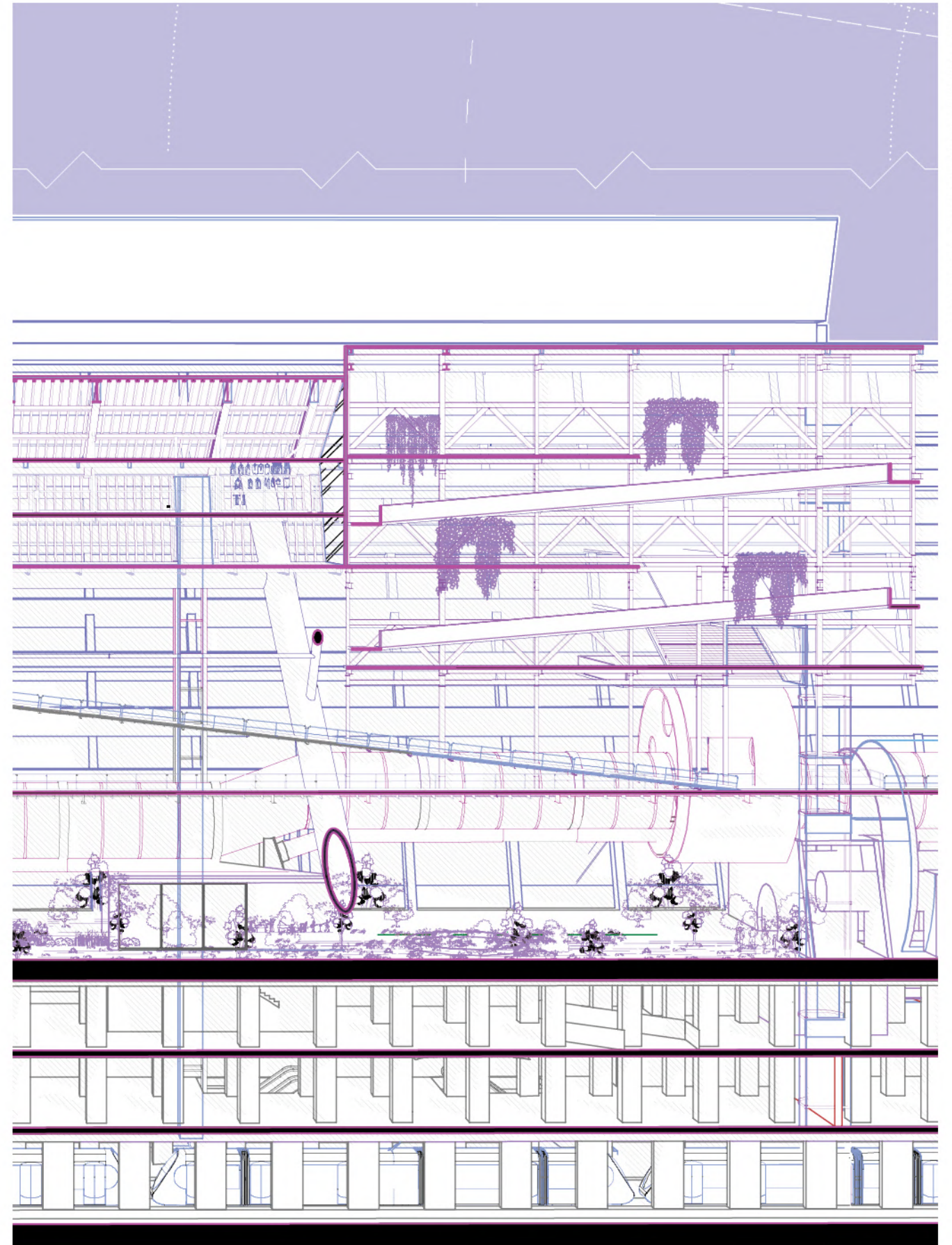
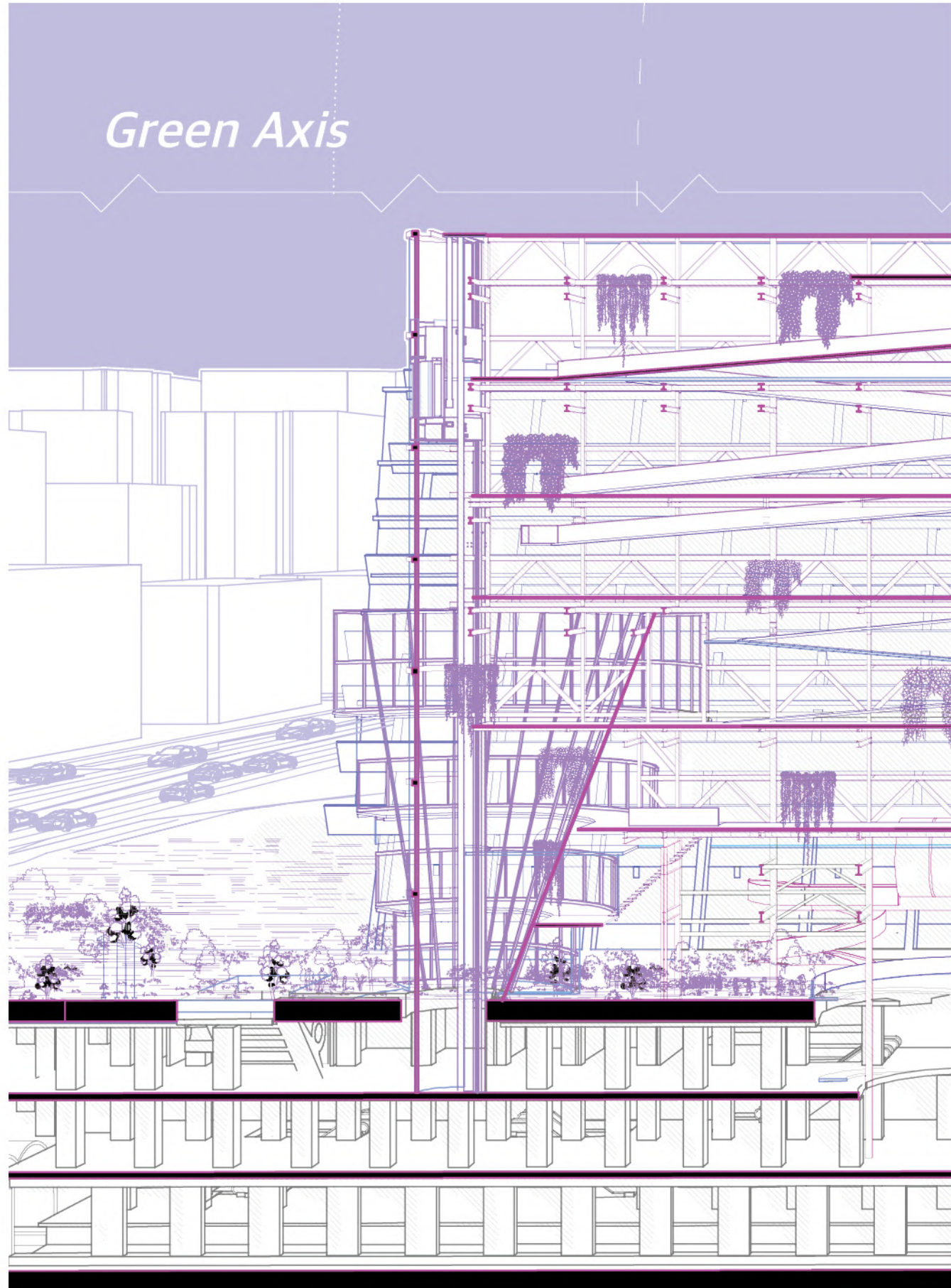
The Express Bus Terminal is part of Seoul's patrimony; an 80's brutalist building with a unique sloping facade and ground level colonnade. Working with these elements, the proposed geometry is intended to be a powerful strategy for combining elements in the site. At the central axis of the project area, a split uncovered area brings light to the underground. The Express Bus Terminal is part of Seoul's patrimony; an 80's brutalist building elements in the site. At the central axis of the project area, a split uncovered area brings light to the underground.



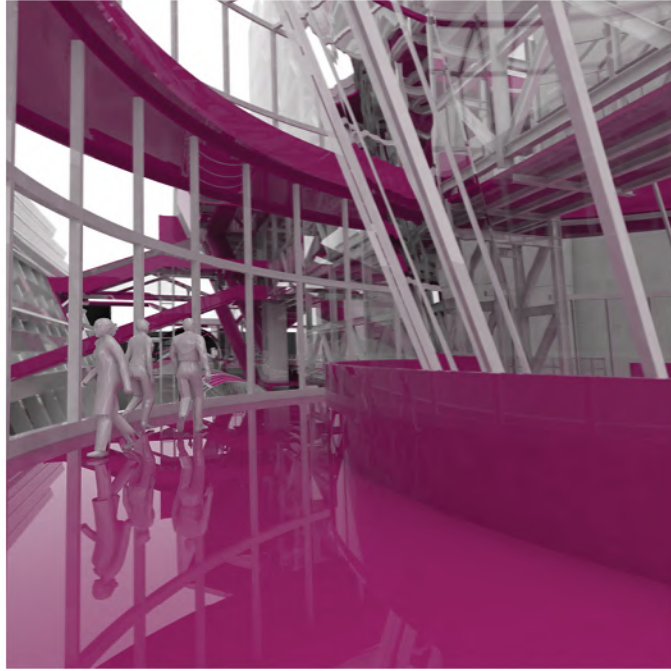




# Green Axis



b. interior view of children's education



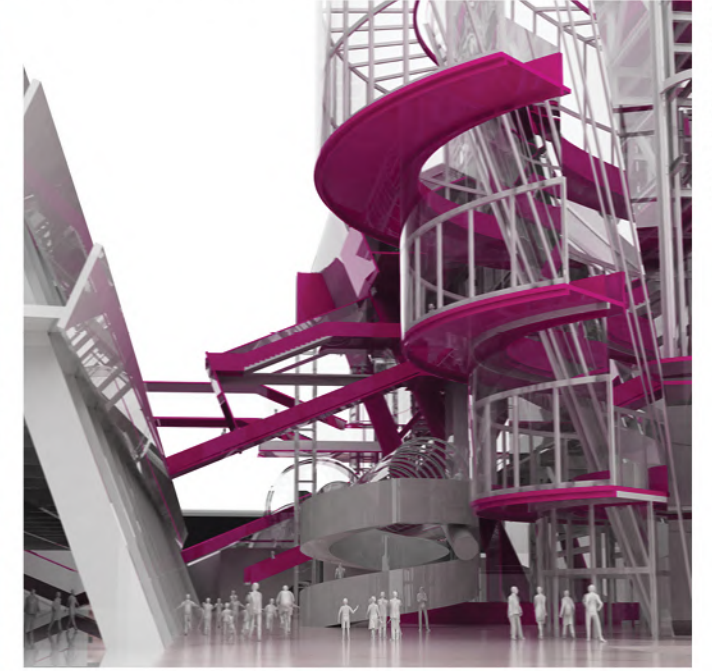
e. Interior view of Green Atrium #2



c. view from underground 2nd level. connection to ground



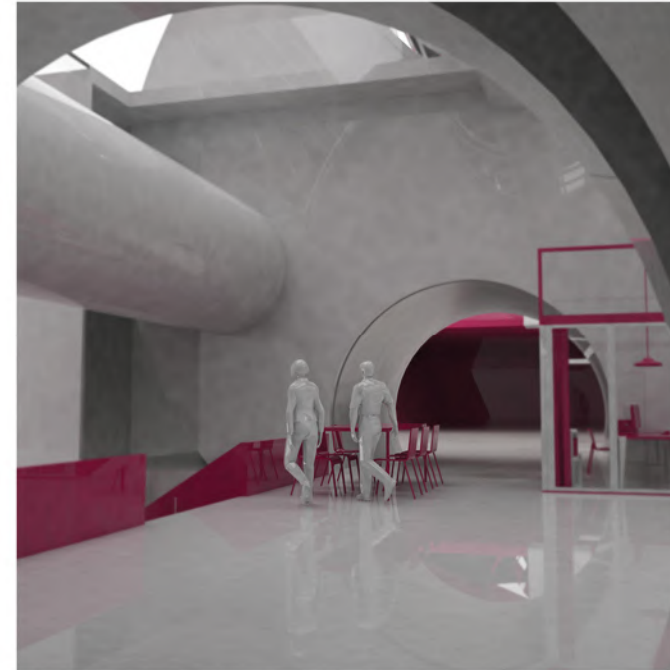
d. view from Entrance of the site



f. Ramp to the platform



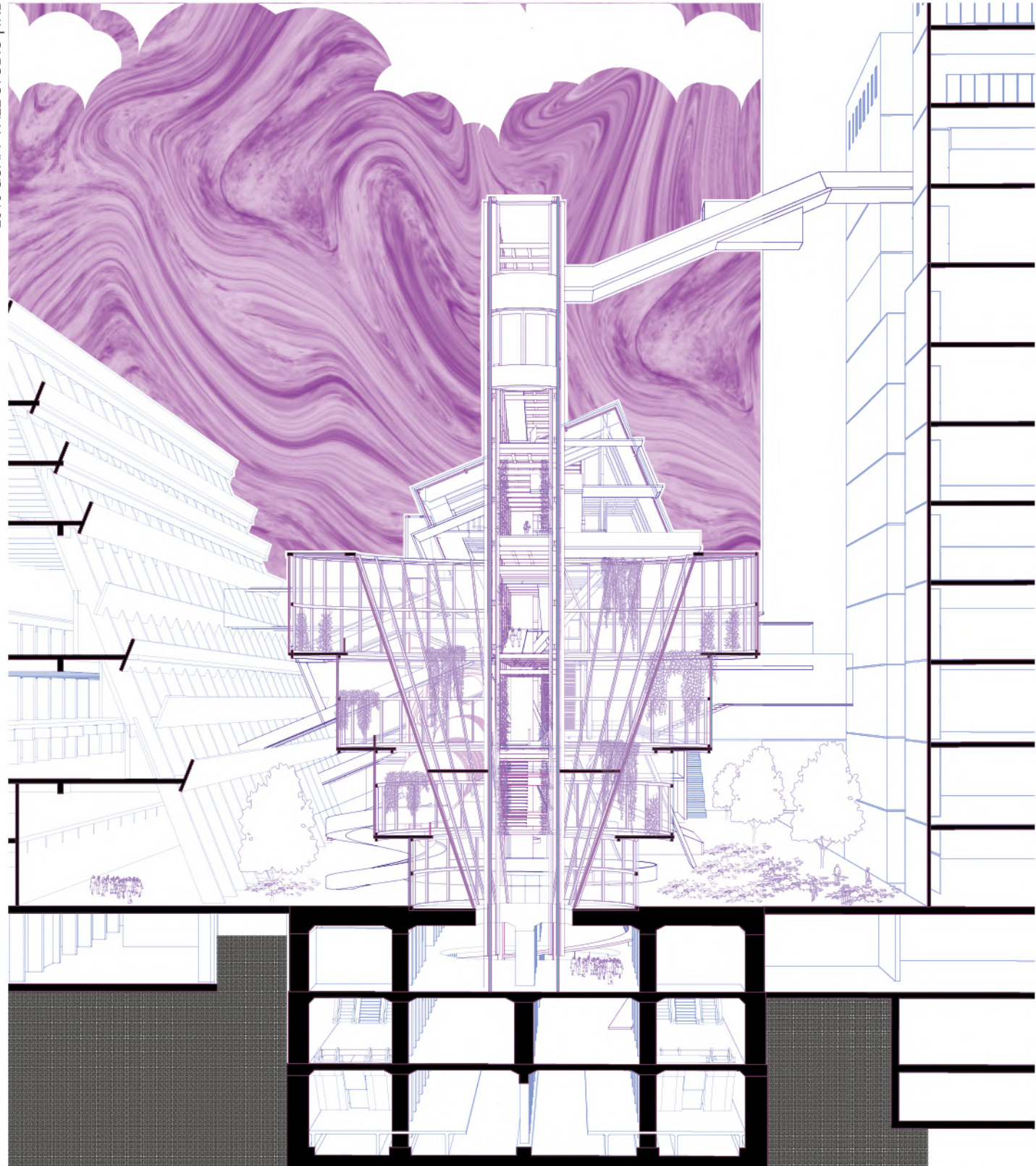
g. Exhibition



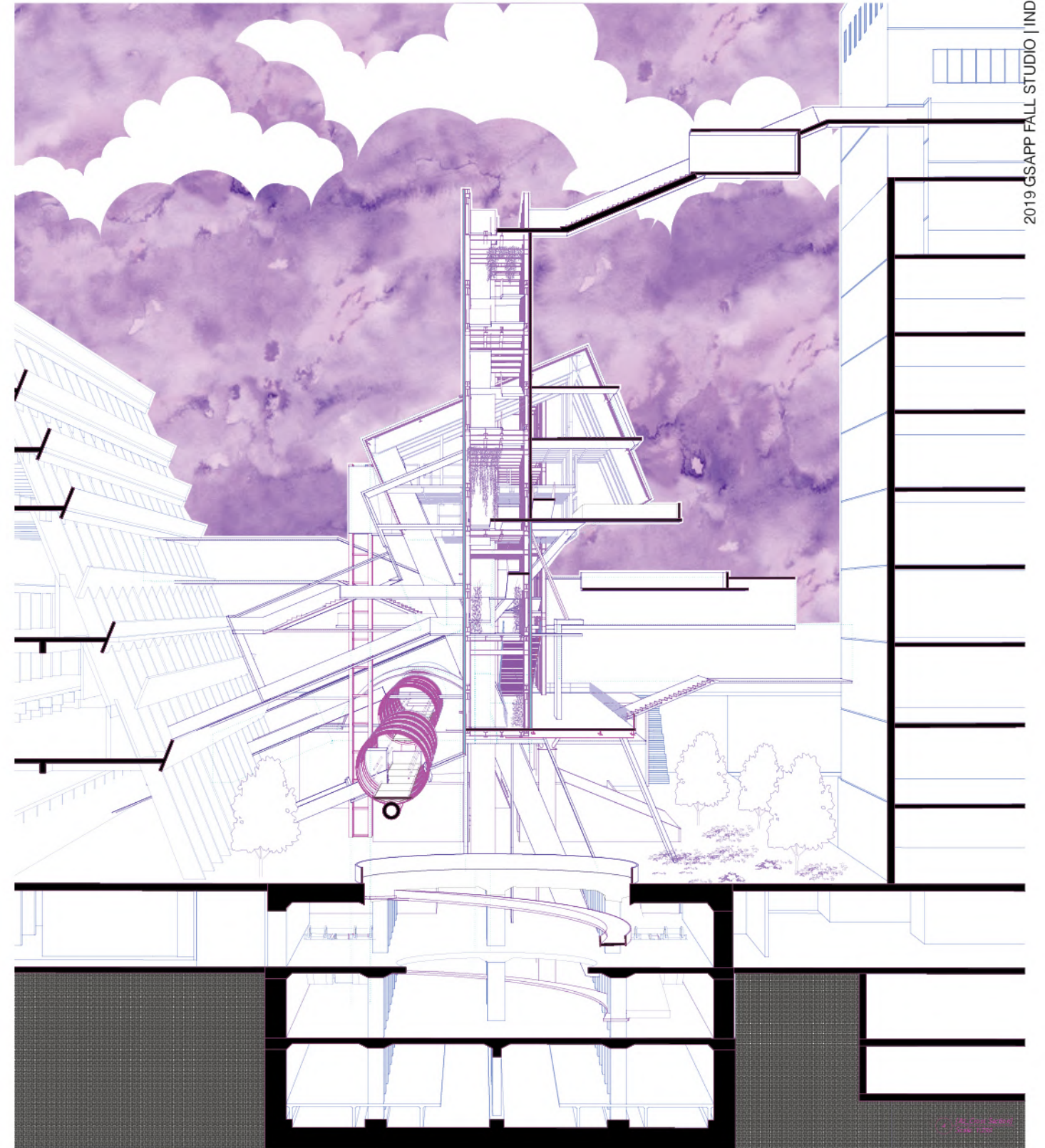
h. Interior view of Workshop 1st floor



i. Inner view of canal bridge



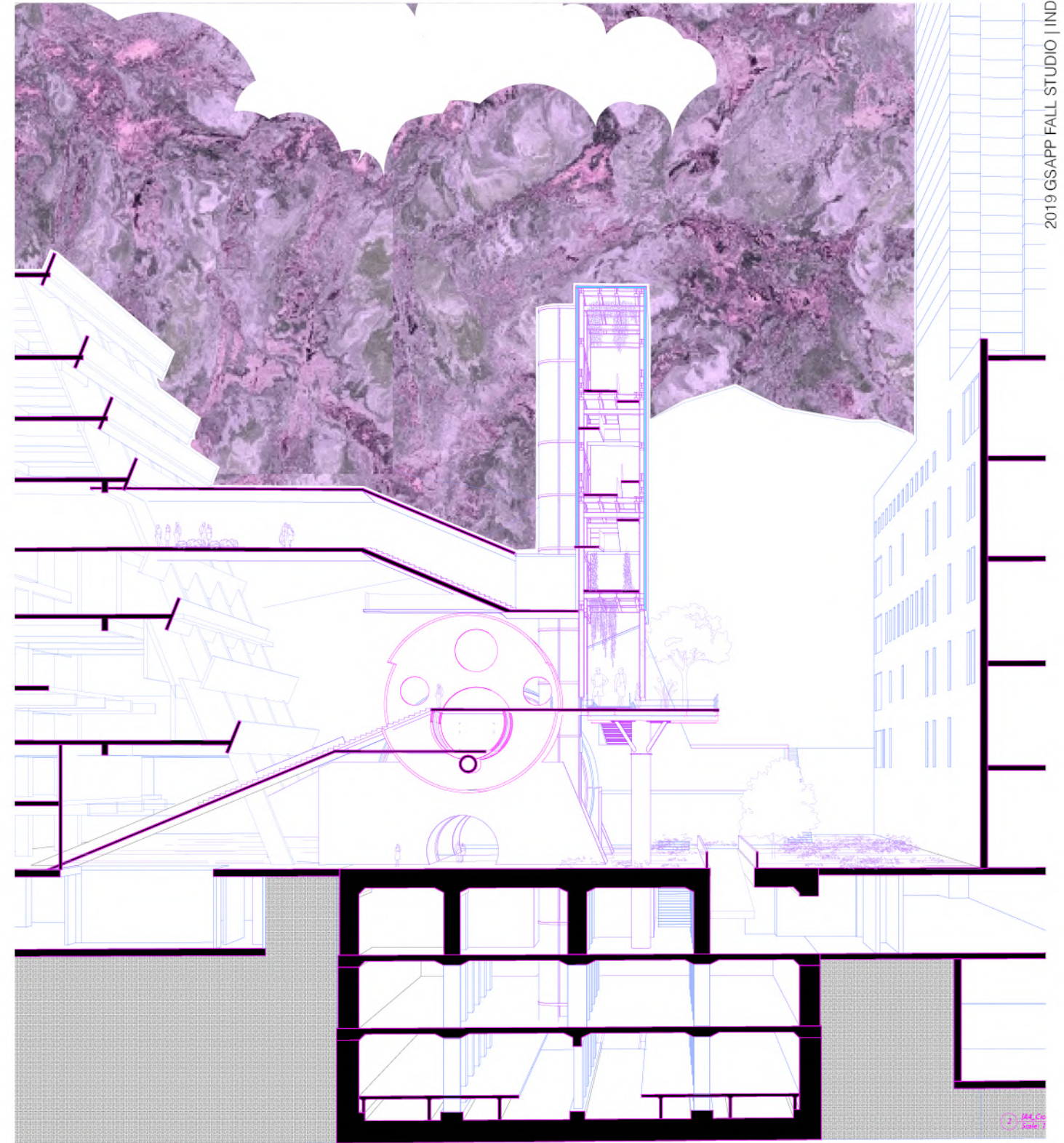
section A1



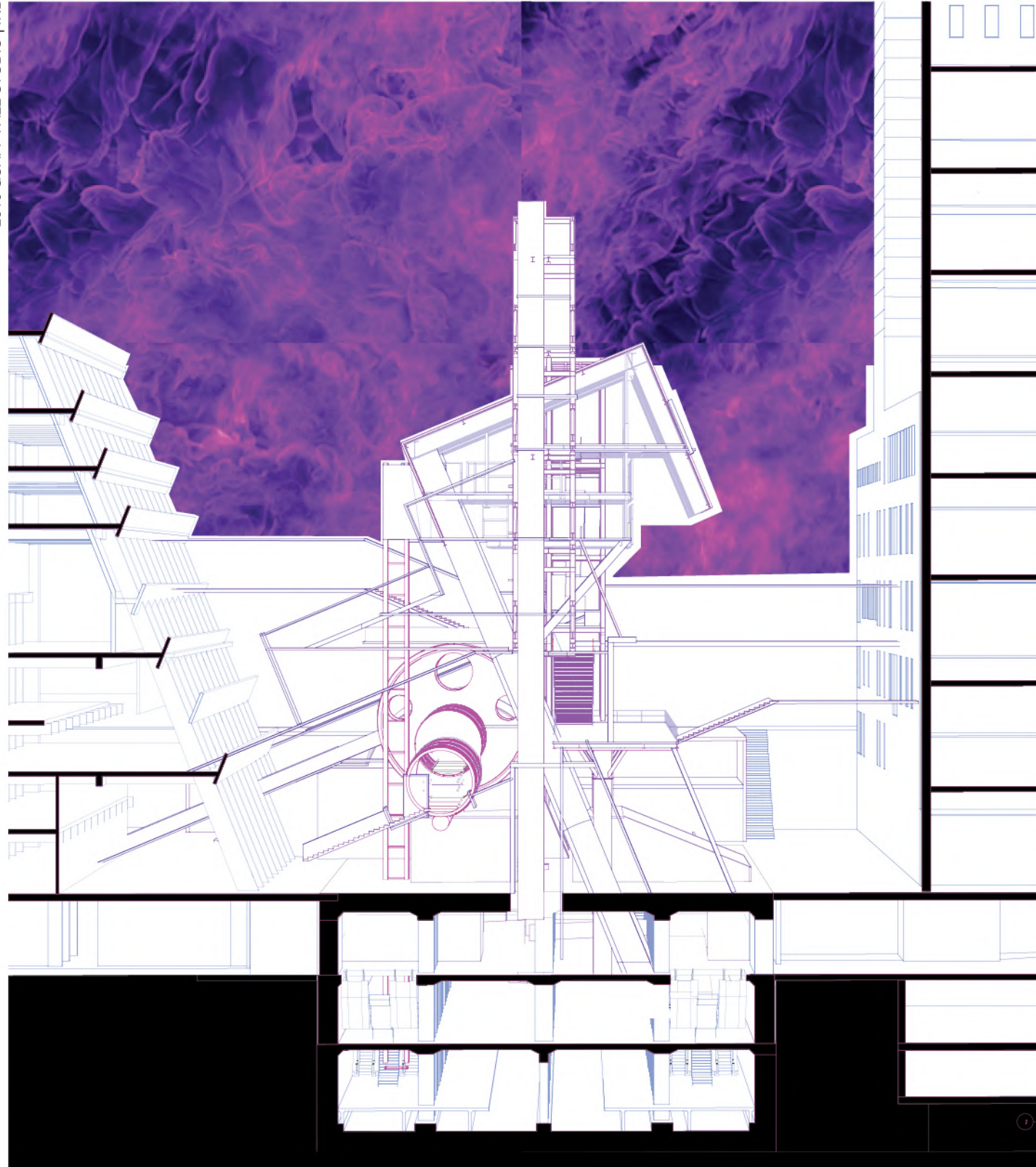
section A2



section A3



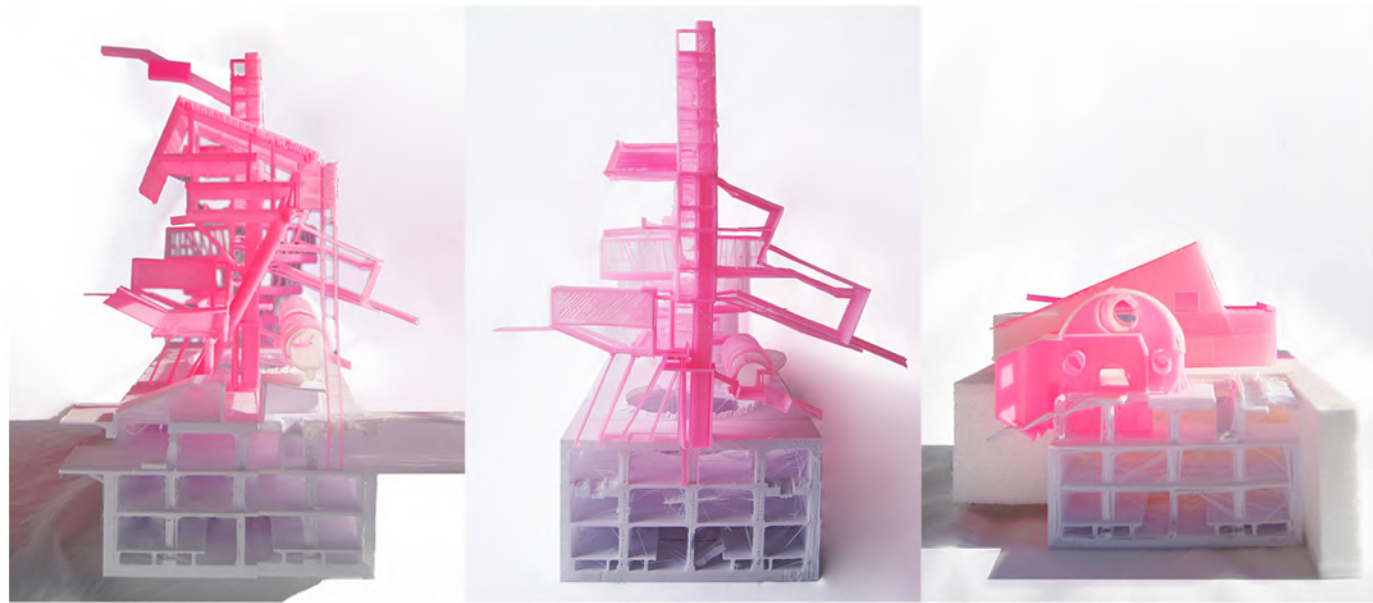
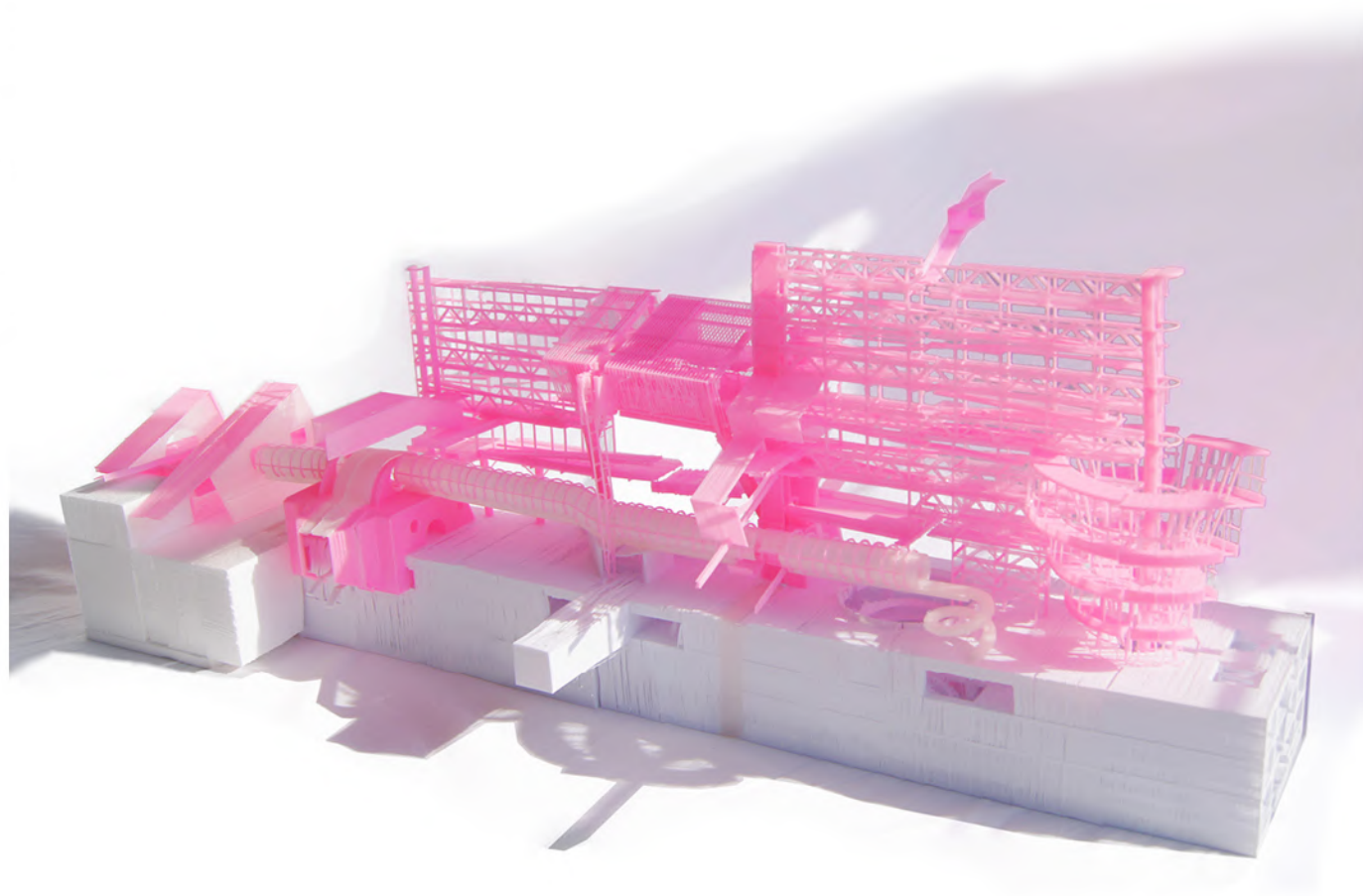
section A4



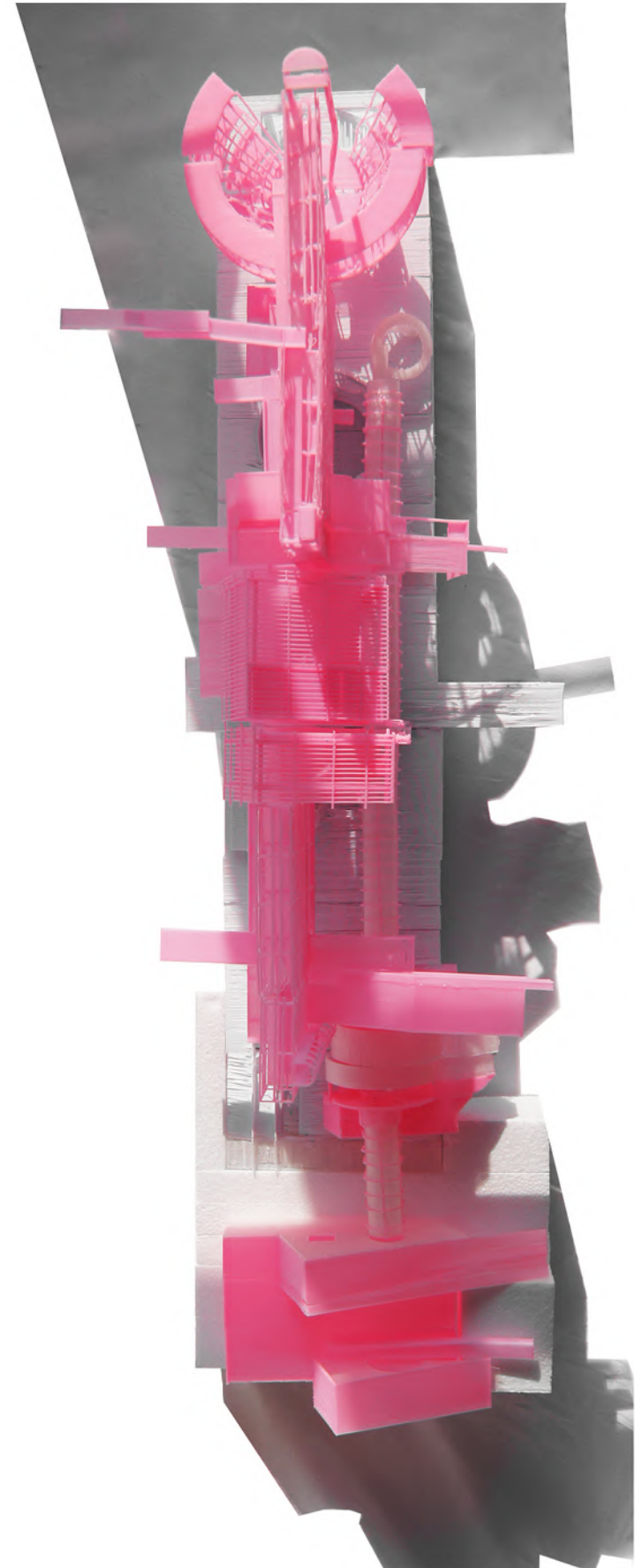
section A5



section A6



physical model 1:200 3d printed



# 03

## CENTRIFUGAL BALLET | KINETIC EXPLORATION

2020 GSAPP SPRING ADVANCED VI ARCHITECTURE STUDIO

INSTRUCTOR : JING LIU, KEVIN LAMYUKTSEUNG

I INDIVIDUAL WORK

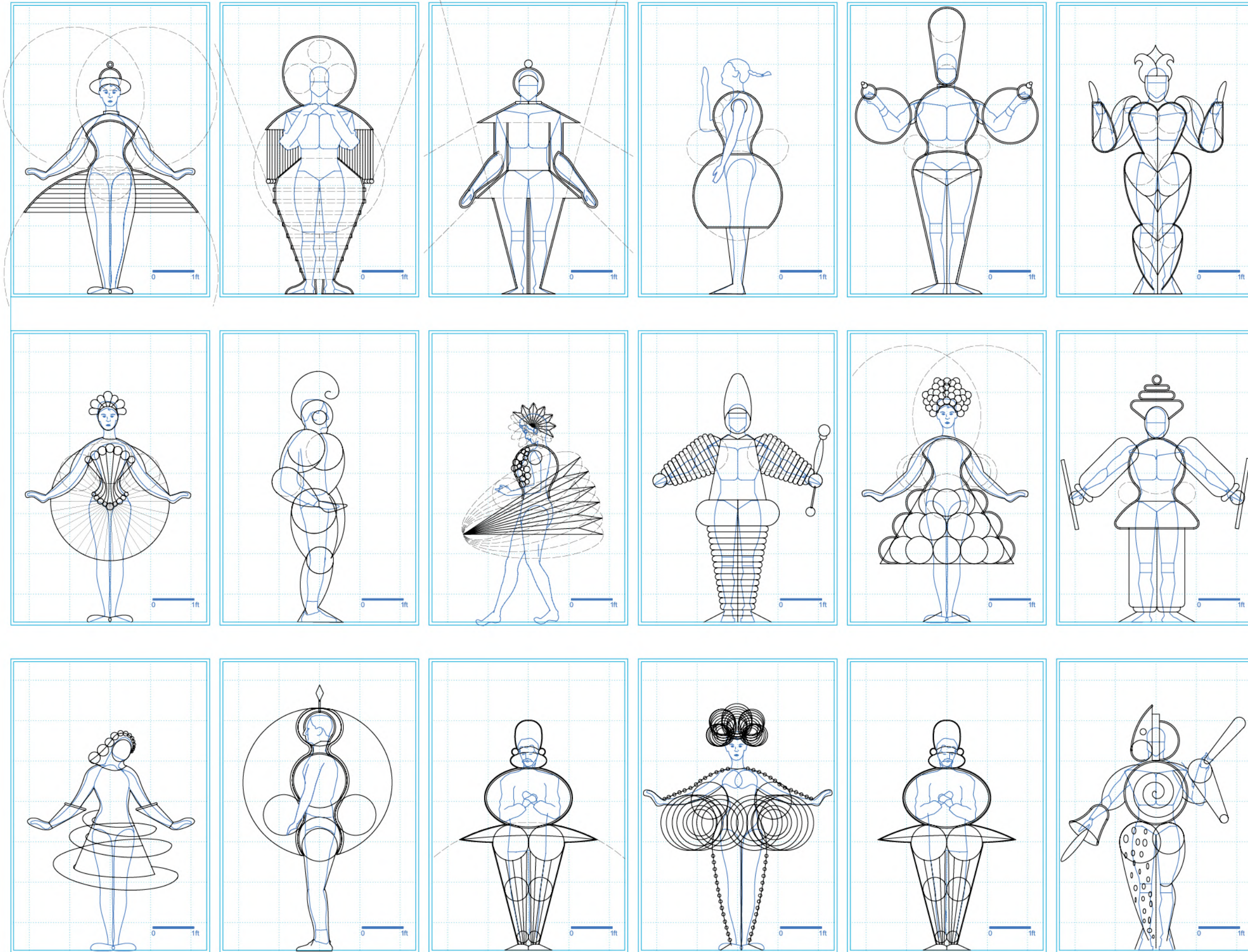
Beginning from deep study of Oskar Schlemmer's Triadic Ballet, Schlemmer saw the modern world driven by two main currents, the mechanised and the primordial impulses. The Dance affords an opportunity to complicate the distribution of these elements by placing Form and Color in Motion. This interaction between architectonic space and the human body is illustrated in a series of geometric diagrams that identify the mathematical "planimetric and stereometric relationships" that govern the space. When seeing humans as a powerful driving force here, I focused on the physical changes of Costume by human movement. Especially when humans become axis itself and start spinning, I catch transforms in costume by centrifugal force, and design a new type of costume that can be represented more mechanically and regularly.



physical model 1:1



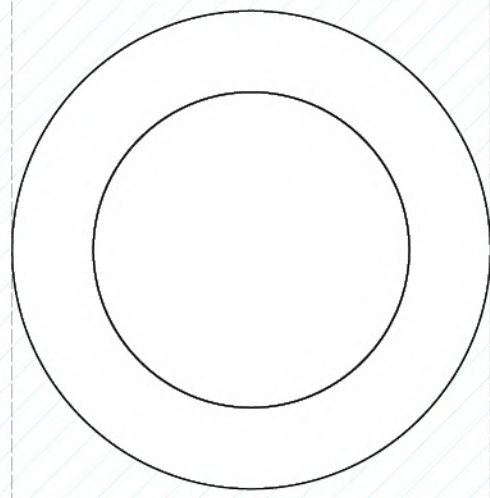
physical model 1:1



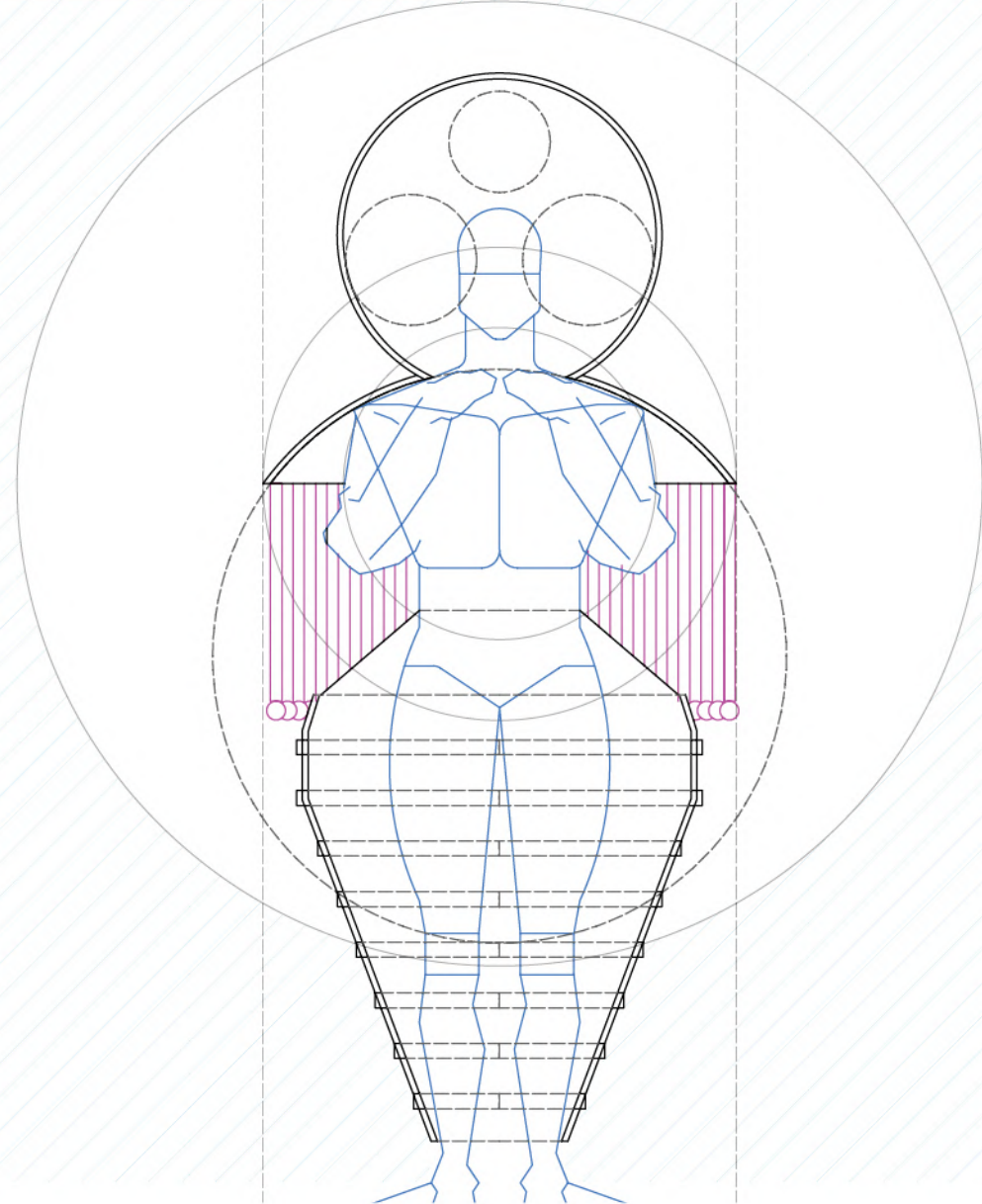
[ Das Triadische Ballett ]



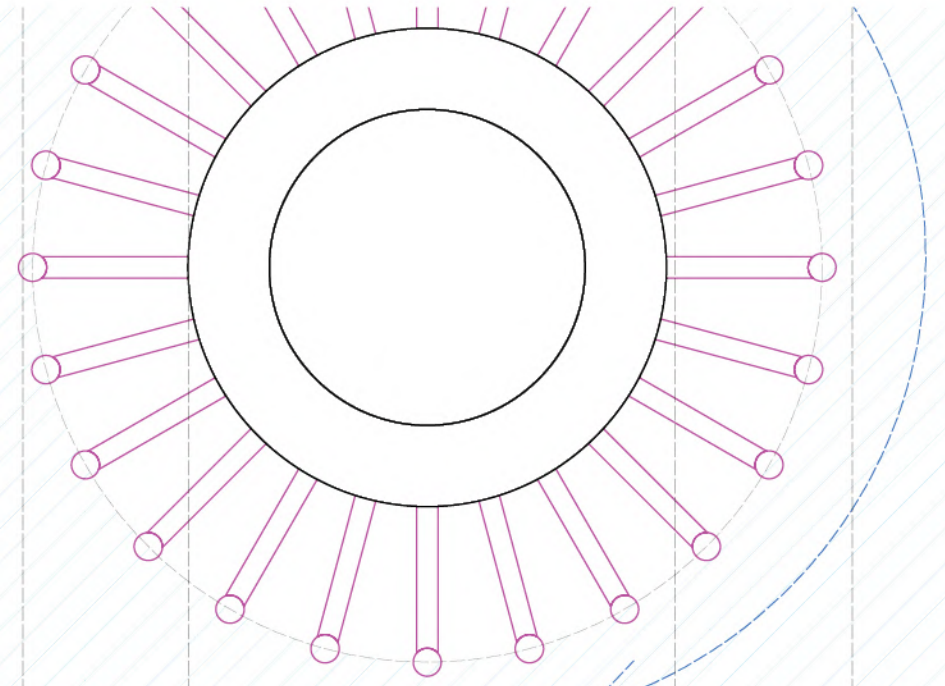




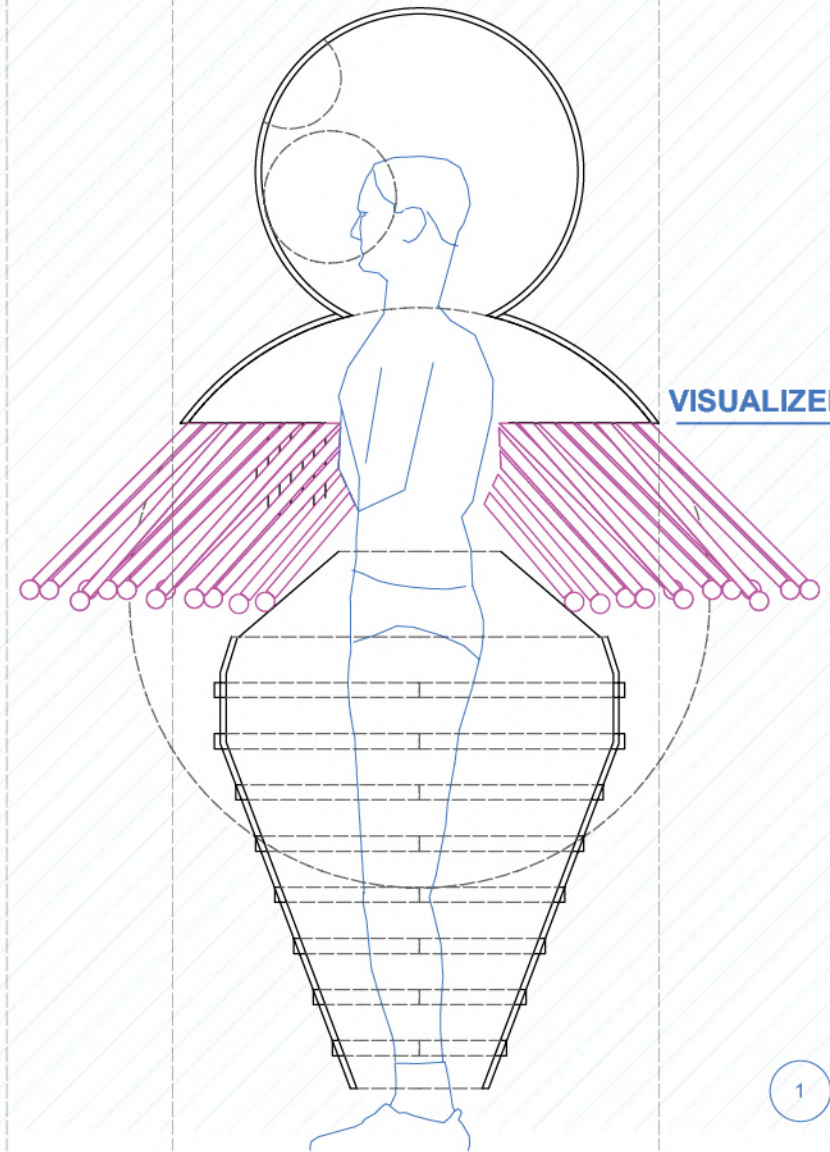
INPUT : MAN POWER



CENTRIFUGAL FORCE

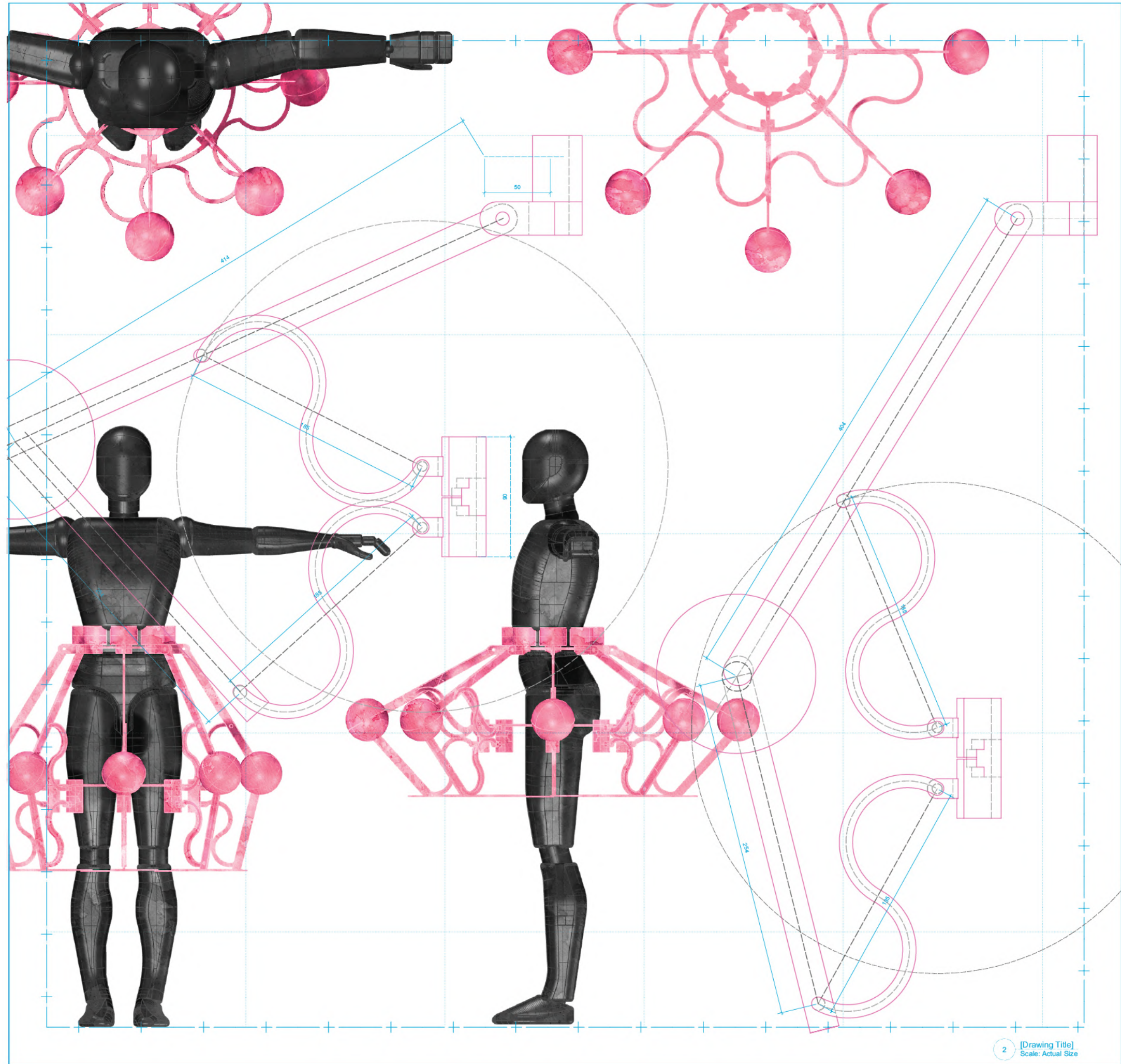


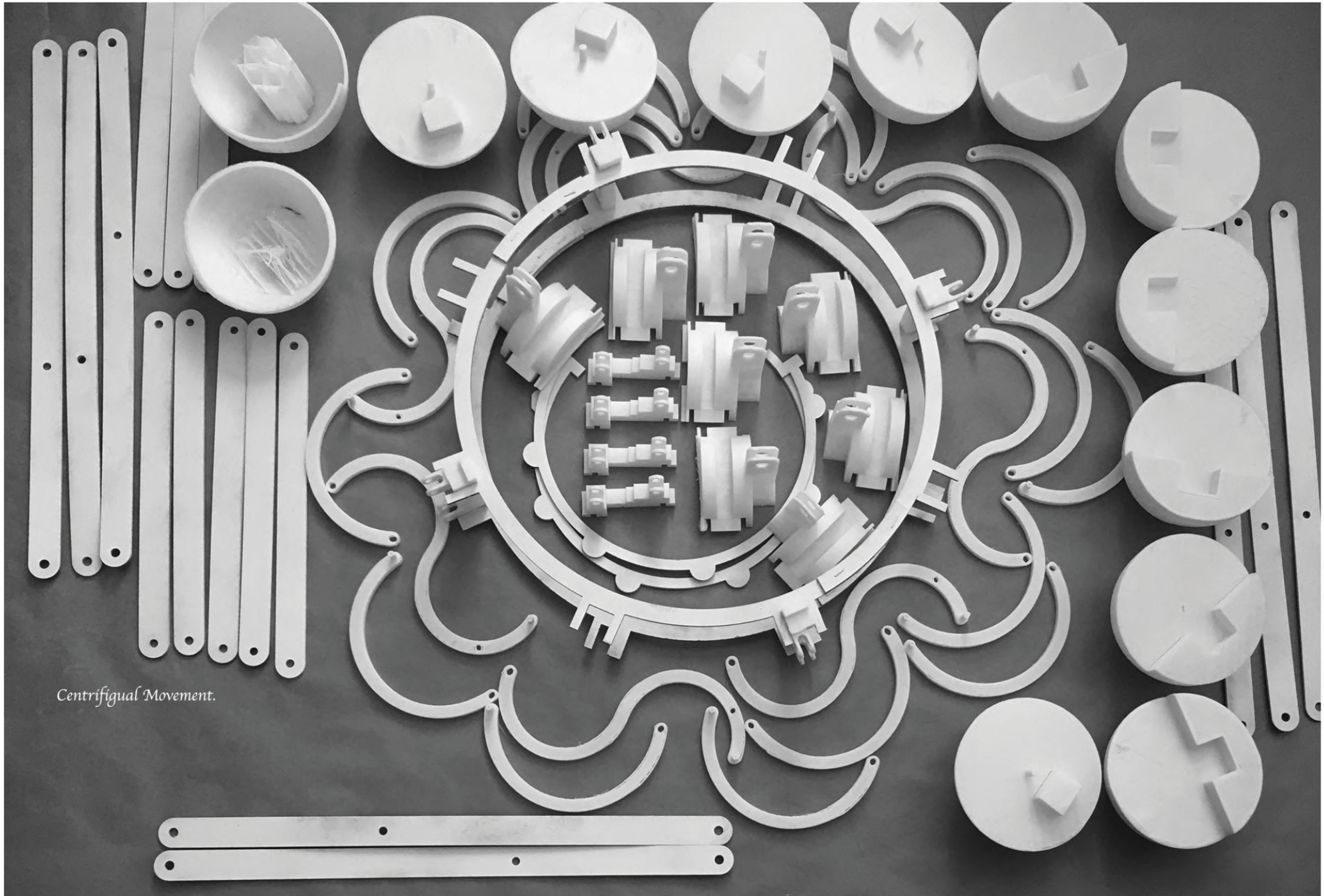
VISUALIZED



1 [Drawing Title]  
Scale: 1:8

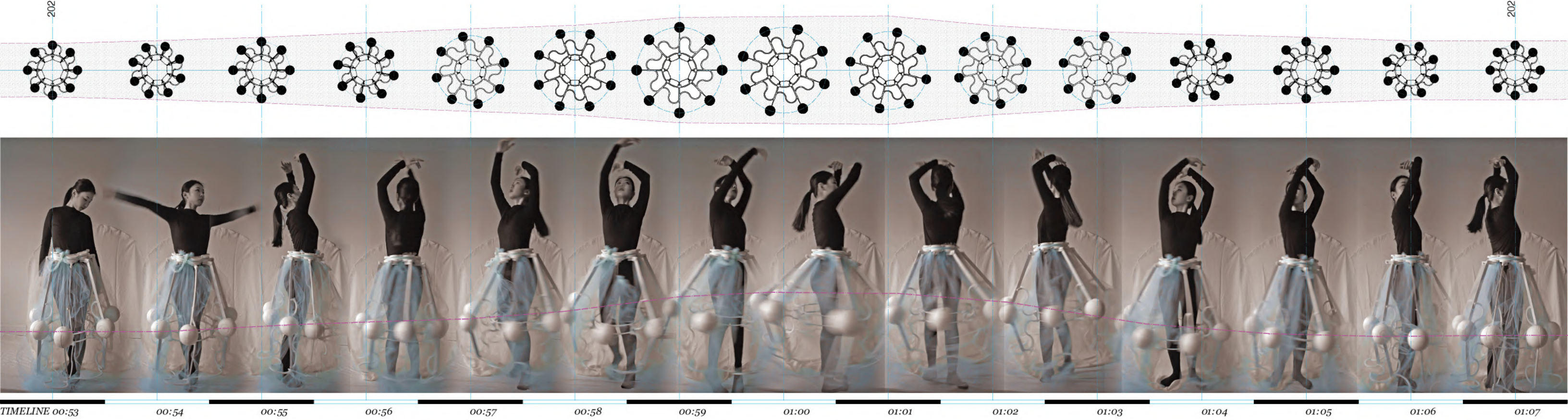






*Centrifigual Movement.*

physical model 1:1 3d printed elements









2020 GSAPP SPRING STUDIO | INDIVIDUAL WORK

2020 GSAPP SPRING STUDIO | INDIVIDUAL WORK



# 04

## BUILDING AS MACHINE | PROVIDING CLEAN AIR TO STREET

2020 GSAPP SPRING ADVANCED VI ARCHITECTURE STUDIO

INSTRUCTOR : JING LIU, KEVIN LAMYUKTSEUNG

I INDIVIDUAL WORK

If you look at the main subject as a street instead of an existing building, the facades are not simply a costume covering the building, but a medium covering the street.

Buildings can be seen as objects that soak up energy in a protected private area and dump all kinds of trash into a street after convalescence. I want to reverse these circulations of the street where the emissions have been collected and create a 'created' public area in itself with a single role and recognition. Infrastructure and space being merged, and makes better environment to street



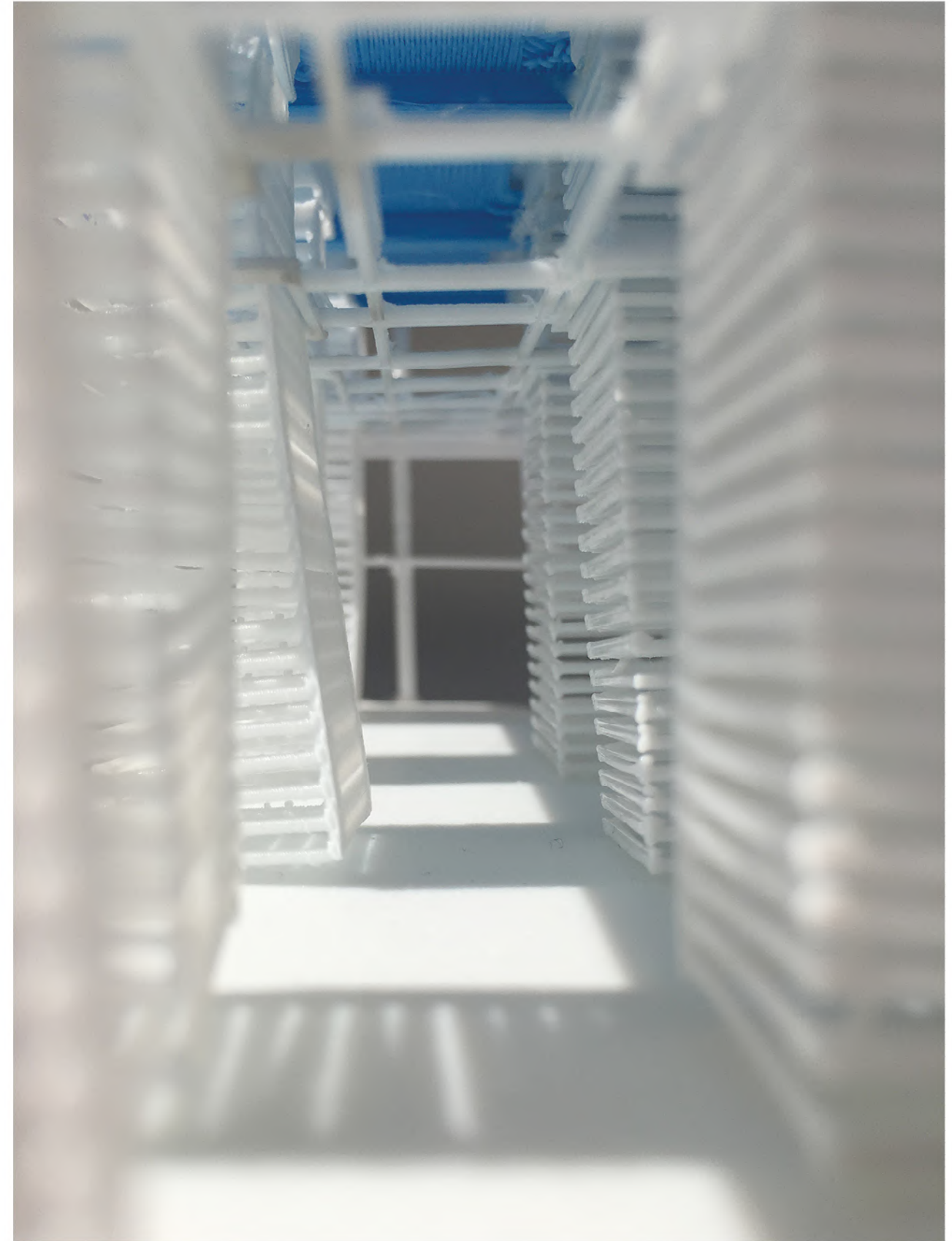
Collage



80's Fulton street

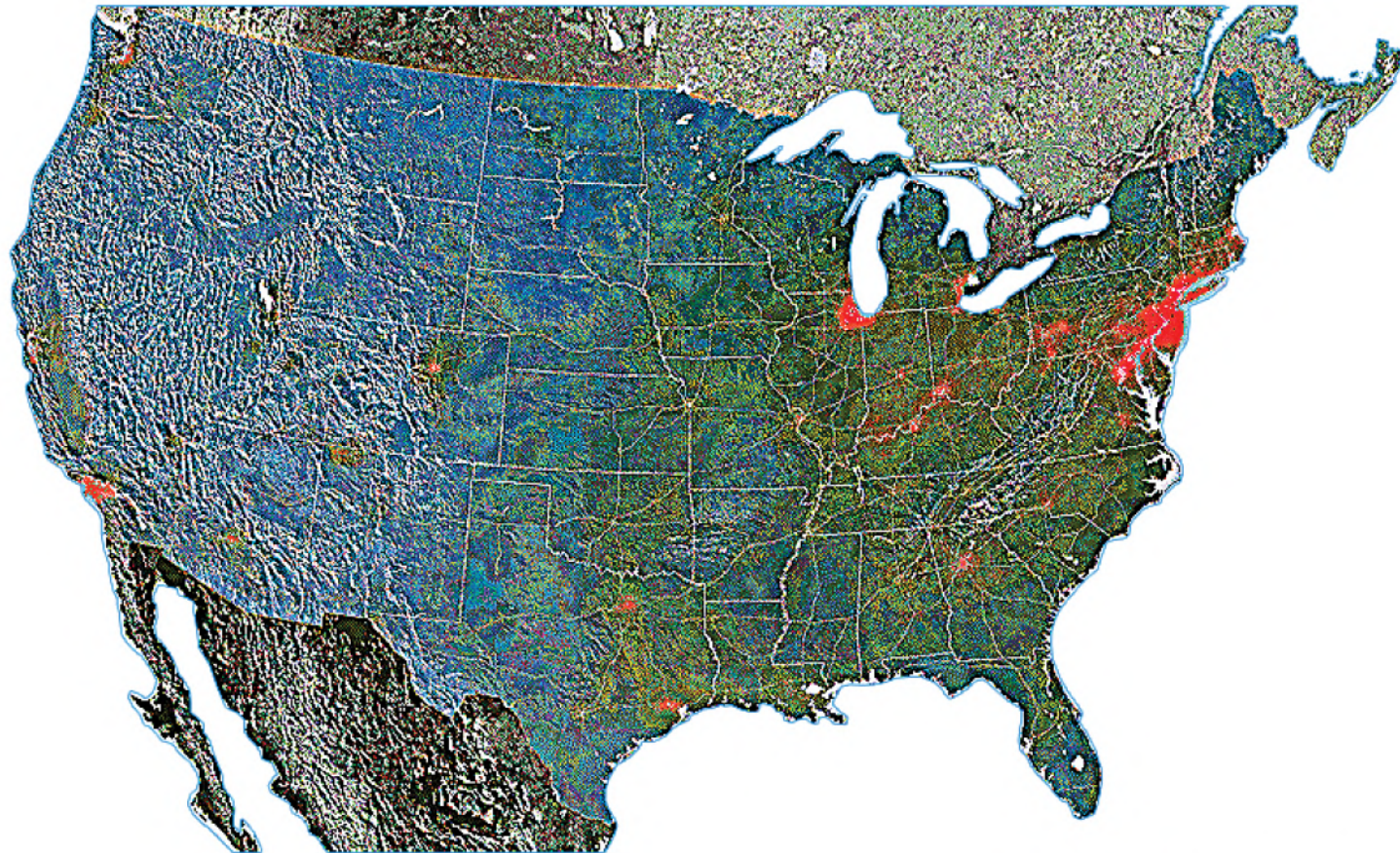
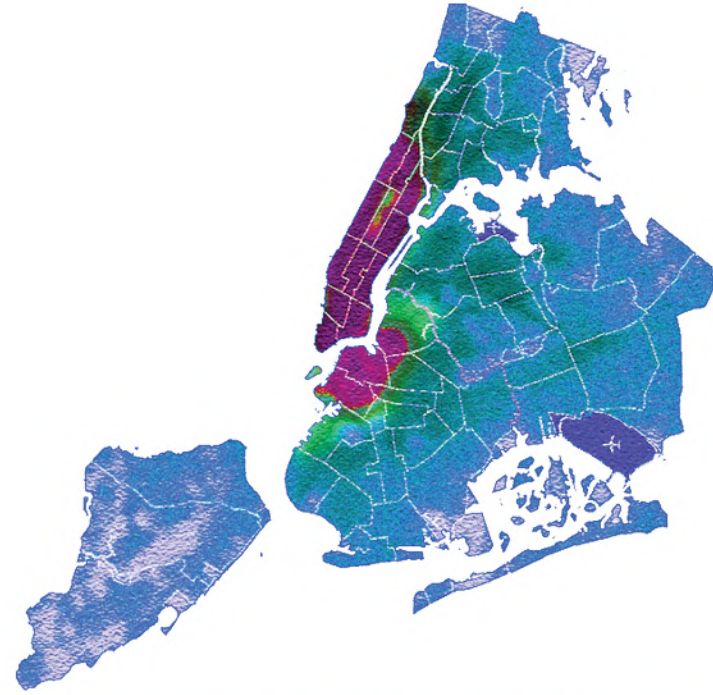


Metro Vents outlet



physical model 1/16"=1'-0"

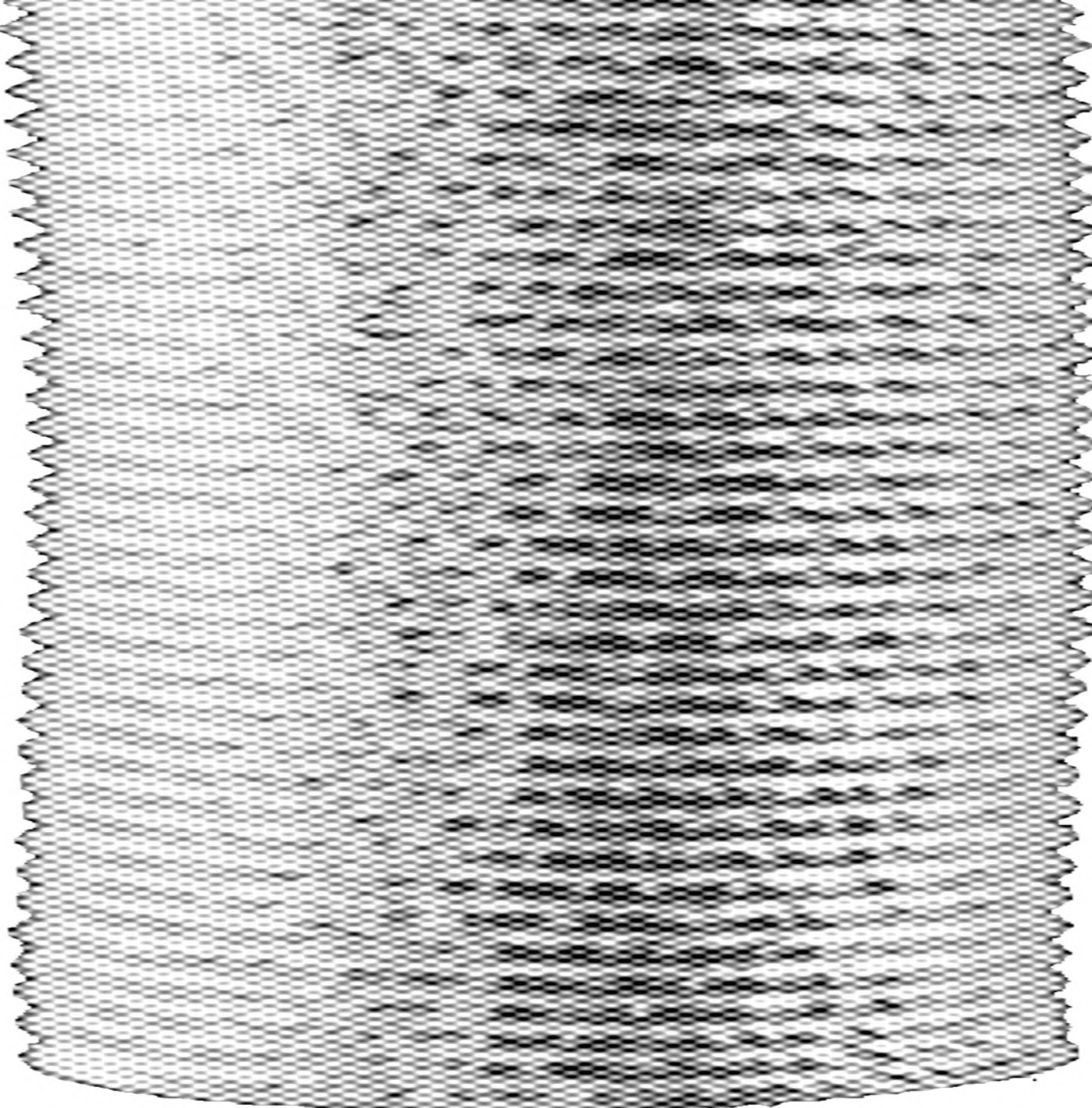
If you look at the main subject as a street instead of an existing building, the facades are not simply a costume covering the building, but a medium covering the street.  
Buildings can be seen as objects that soak up energy in a protected private area and dump all kinds of trash into a street after convalescence. I want to reverse these circulations of the street where the emissions have been collected and create a 'created' public area in itself with a single role and recognition. Infrastructure and space being merged, and makes better environment to street



Air pollutant map. Red(contaminated)

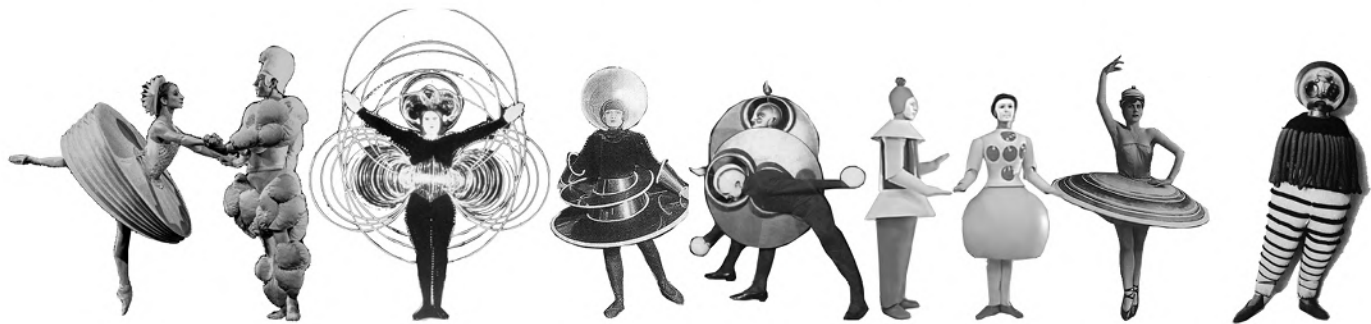


Building that releases all emissions to the street.



FULTON STREET BLOCKED FACADE COLLECTION

Compared to the side open walk, buildings have evolved into a more solid and are constantly inhaling energy, discharging it out after consumption. The fulton street shows this solidity also through facade. There are a lot of blocked windows facing street, most of the actions happens on the ground level that upper levels are in avandoned situation.



SOUTH



**S1**  
**526**  
Fulton st, Brooklyn,  
NY 11201  
40.689027,  
-73.981648



**S2**  
**480**  
Fulton st, Brooklyn,  
NY 11201  
40.689873, -73.983720



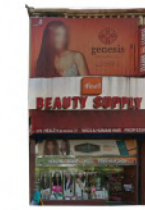
**S3**  
**468**  
Fulton st, Brooklyn,  
NY 11201  
40.690149, -73.984433



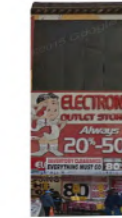
**S4**  
**464**  
Fulton st, Brooklyn,  
NY 11201  
40.690182, -73.984503



**S5**  
**440**  
Fulton st, Brooklyn,  
NY 11201  
40.690604,  
-73.985504



**S6**  
**368**  
Fulton st, Brooklyn,  
NY 11201  
40.691520, -73.987845



**S7**  
**366**  
Fulton st, Brooklyn,  
NY 11201  
40.691542, -73.987904



**S8**  
**348**  
Fulton st, Brooklyn,  
NY 11201  
40.691803, -73.988519

NORTH



**N1**  
**451**  
Fulton st, Brooklyn,  
NY 11201  
40.691533,  
-73.986991



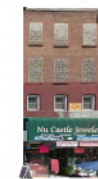
**N2**  
**453**  
Fulton st, Brooklyn,  
NY 11201  
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**N3**  
**457**  
Fulton st, Brooklyn,  
NY 11201  
40.691417, -73.986890



**N4**  
**458**  
Fulton st, Brooklyn,  
NY 11201  
40.691417, -73.986890



**N5**  
**457**  
Fulton st, Brooklyn,  
NY 11201  
40.691399,  
-73.986829



**N6**  
**465**  
Fulton st, Brooklyn,  
NY 11201  
40.691323, -73.986637



**N7**  
**485**  
Fulton st, Brooklyn,  
NY 11201  
40.691011, -73.985822



**N8**  
**485**  
Fulton st, Brooklyn,  
NY 11201  
40.690989, -73.985774



**N9**  
**515**  
Fulton st, Brooklyn,  
NY 11201  
40.690568,  
-73.984709



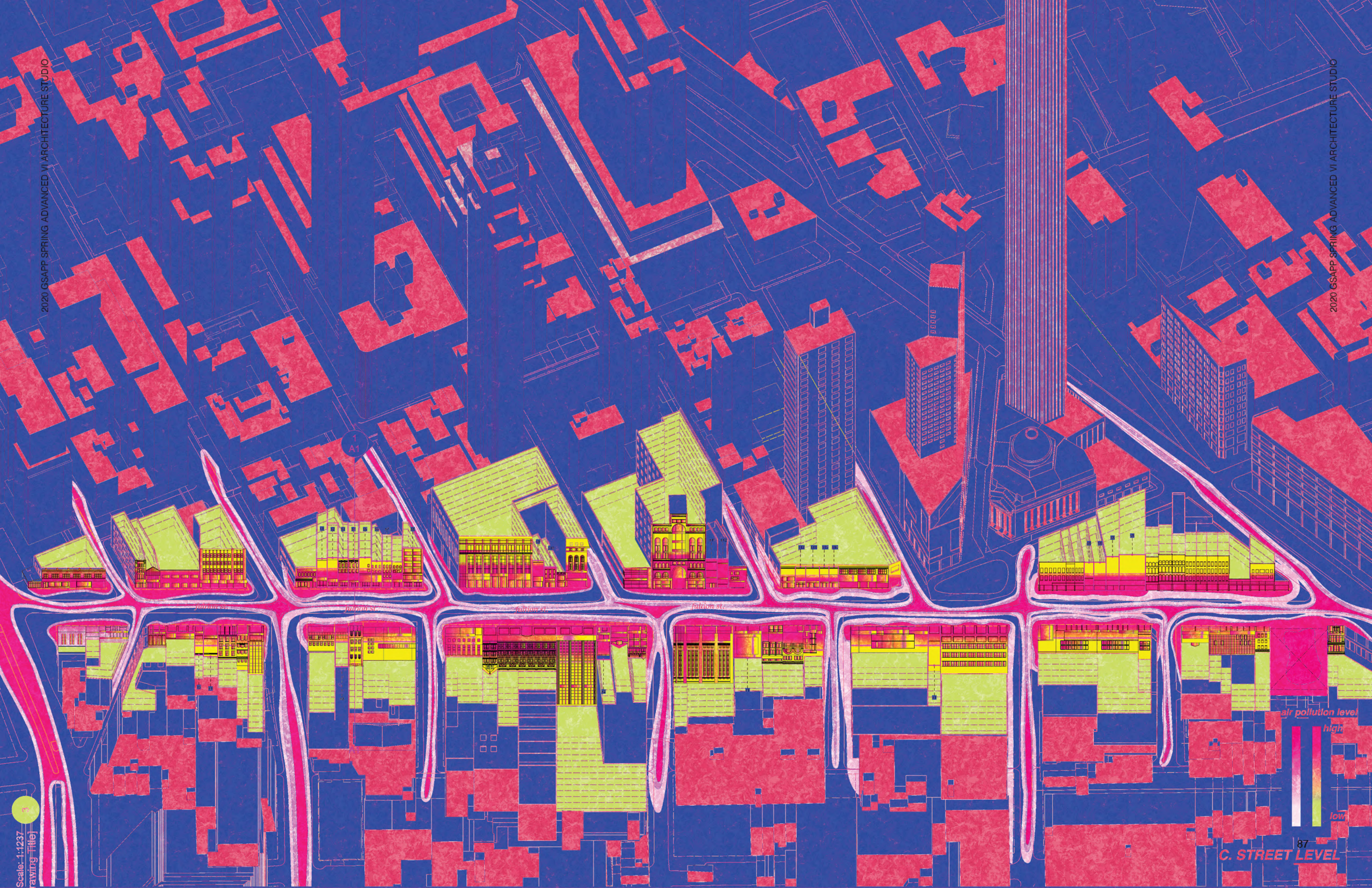
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NY 11201  
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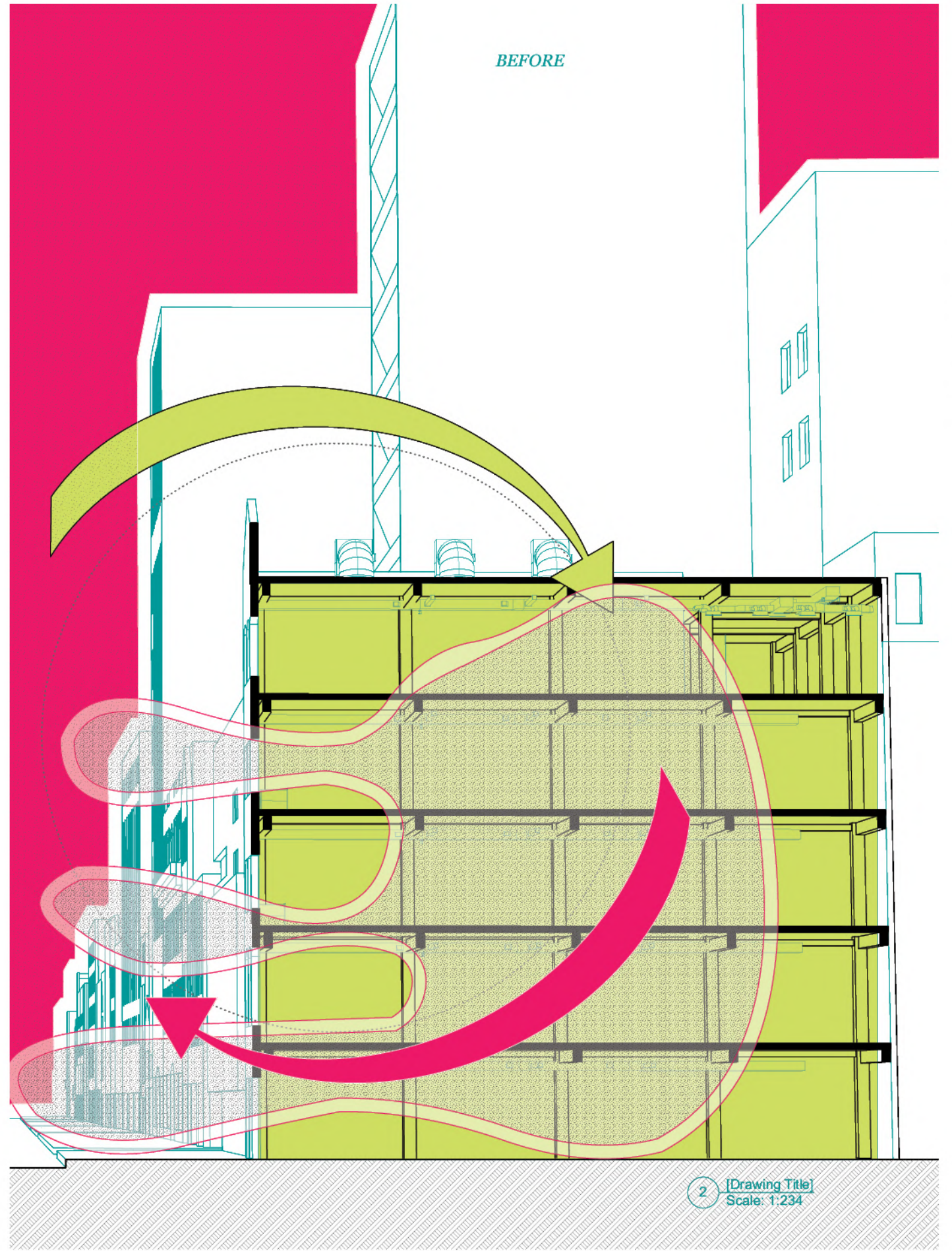


**N11**  
**555**  
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NY 11201  
40.689670, -73.982504

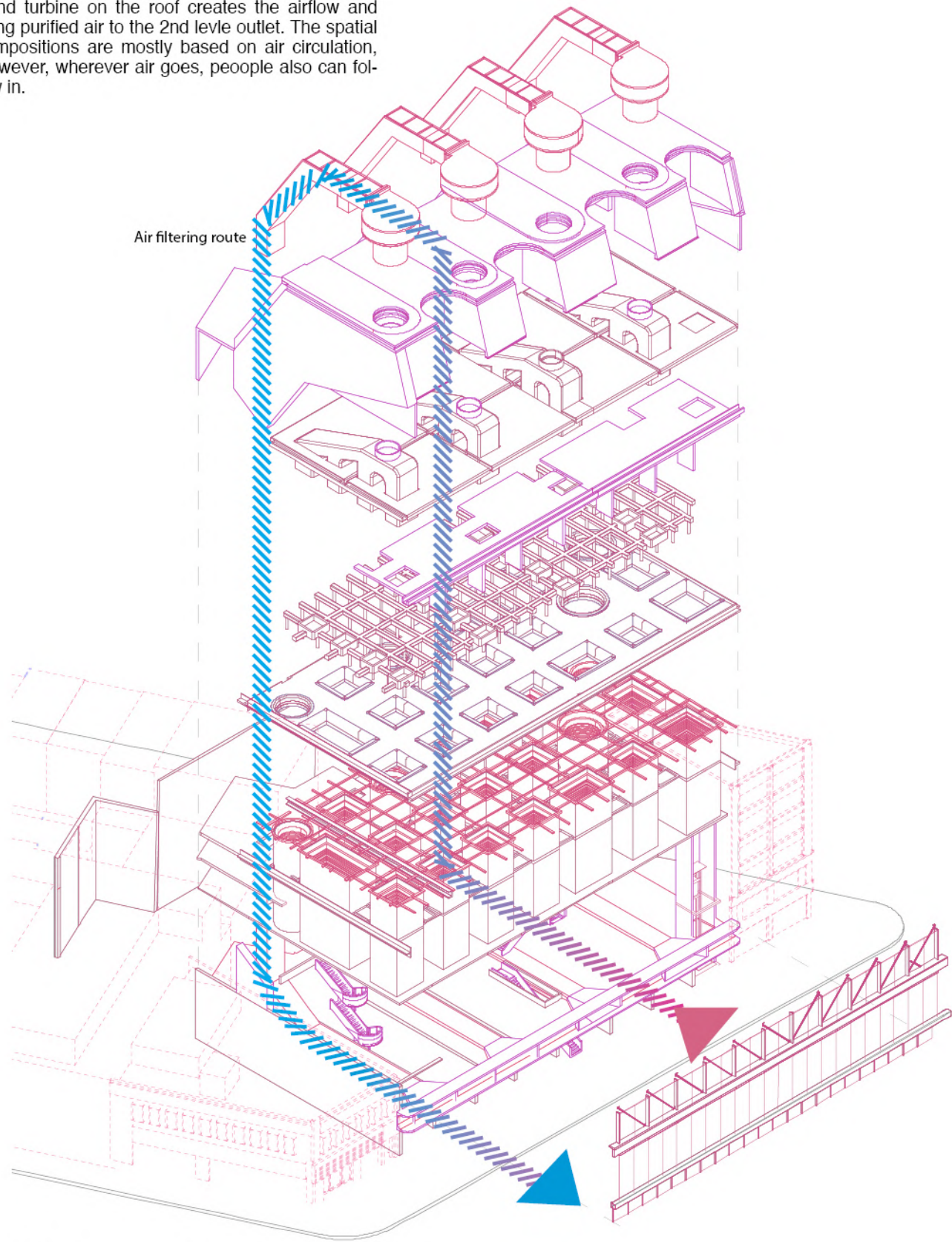


**N12**  
**559**  
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NY 11201  
40.689641, -73.982434

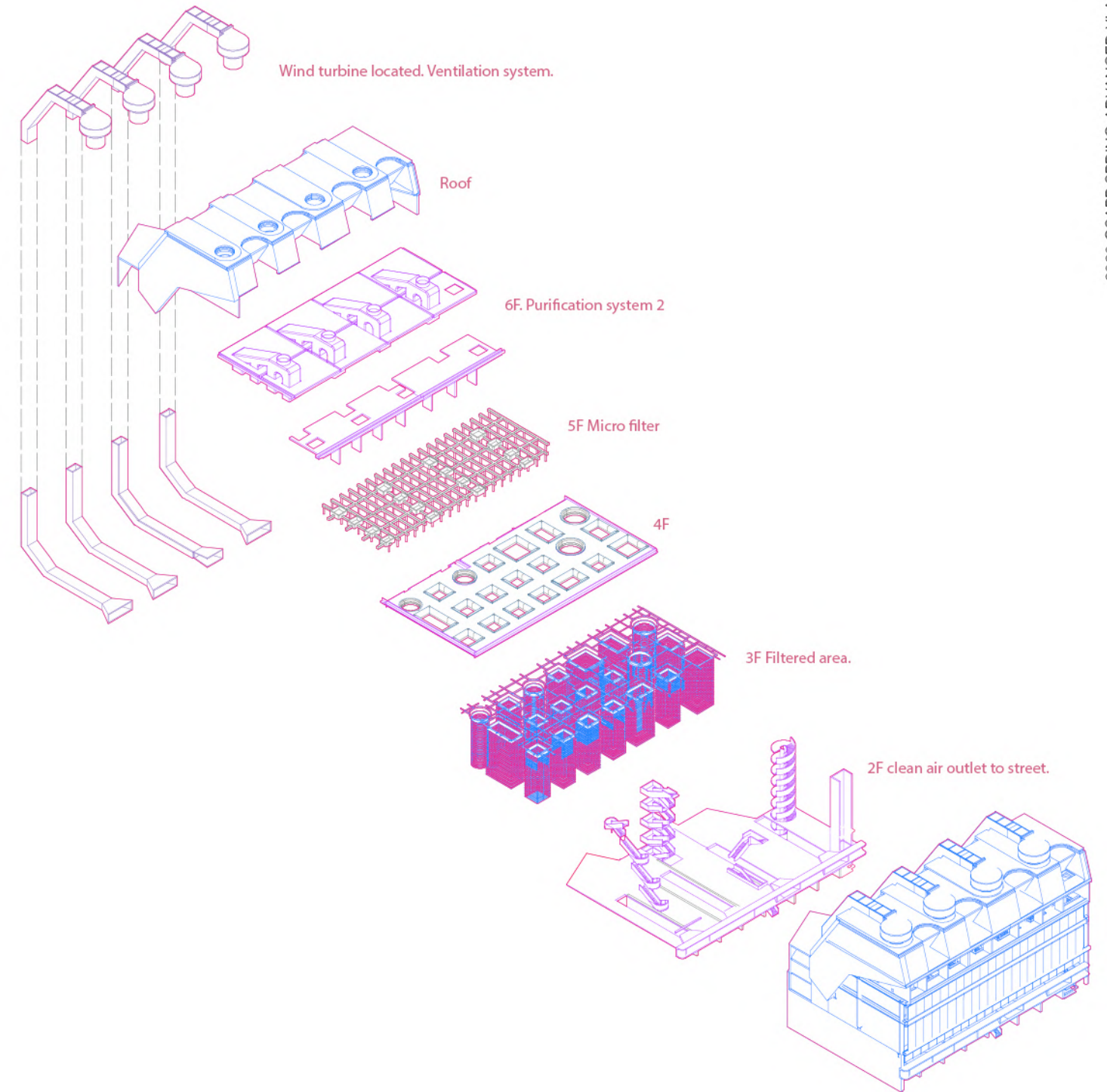




The air is coming from the fully openable front elevation. Flexible filters which act as divider purifying the contaminated air and bring it to the top round. Wind turbine on the roof creates the airflow and bring purified air to the 2nd level outlet. The spatial compositions are mostly based on air circulation. However, wherever air goes, people also can follow in.

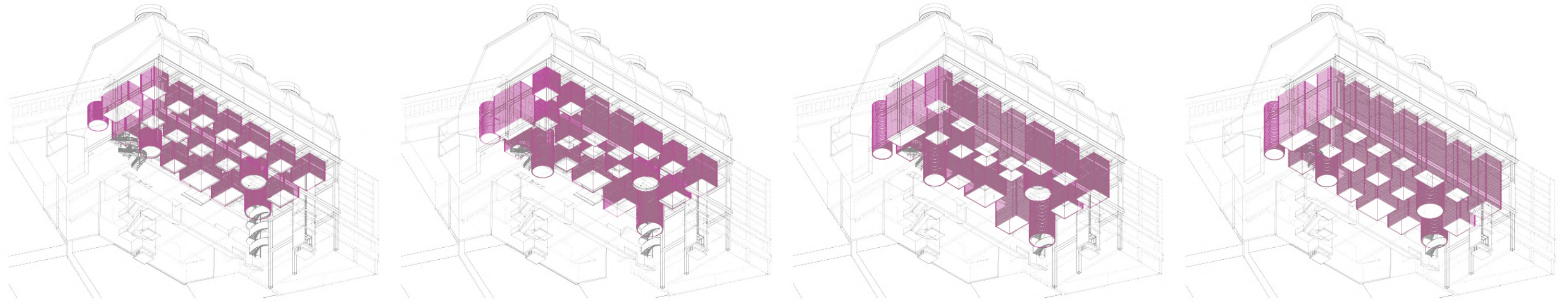


Exploded axono composition



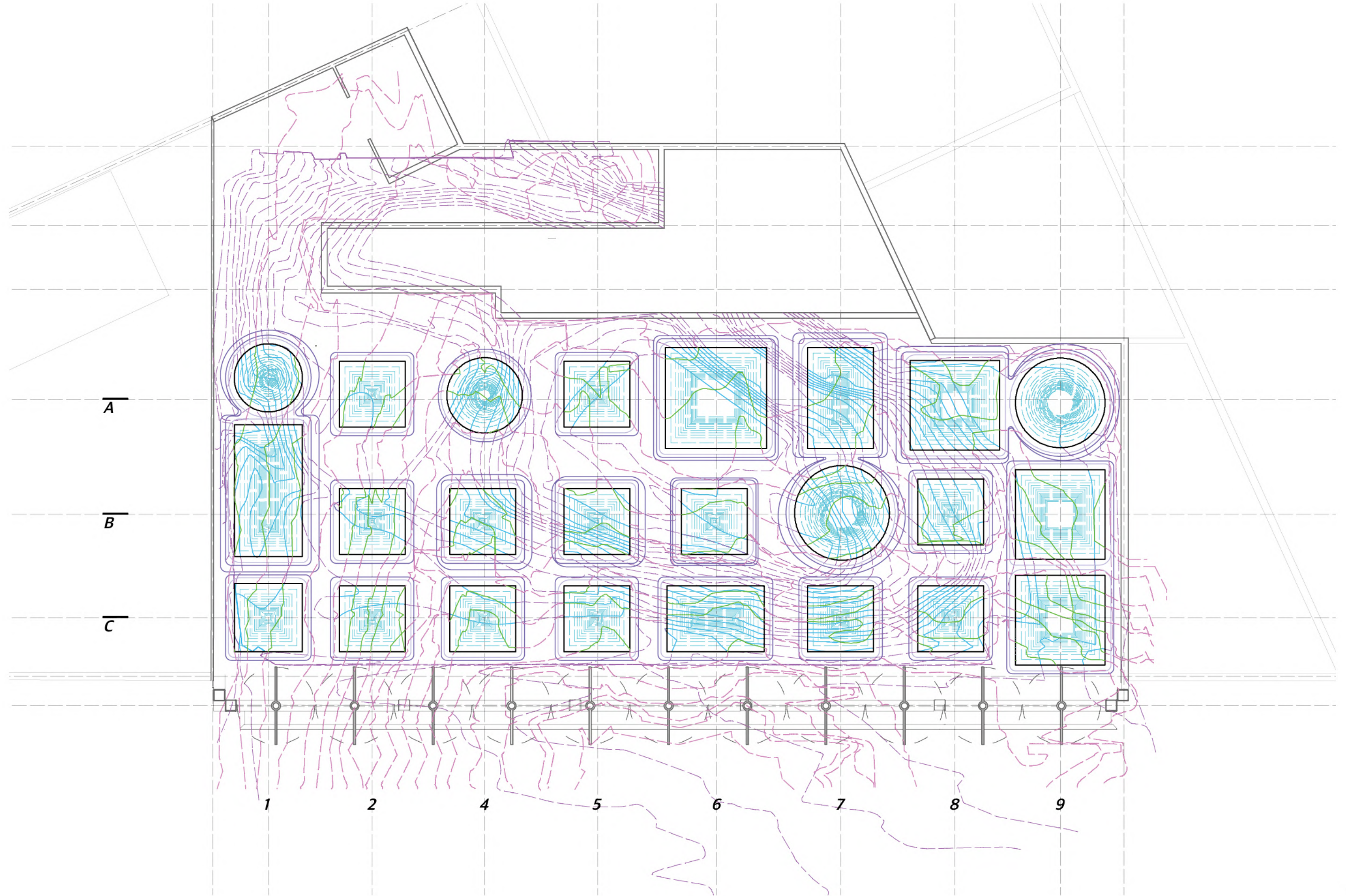


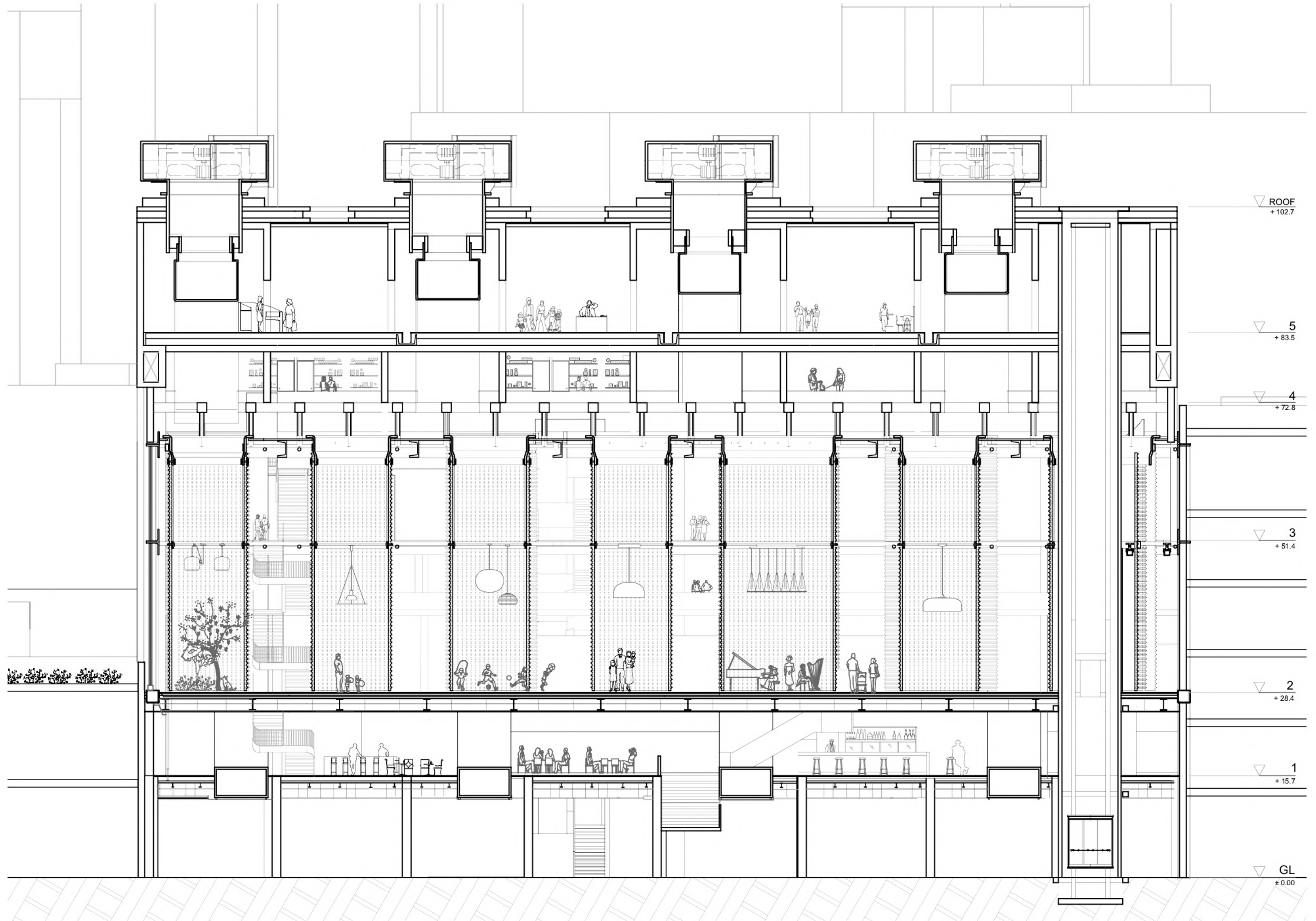
The idea was inspired by individual ventilation system in Korean BBQ restaurant. This is a facility that is placed in a local area and changed in a flexible manner, rather than a system that circulates large spaces at once.

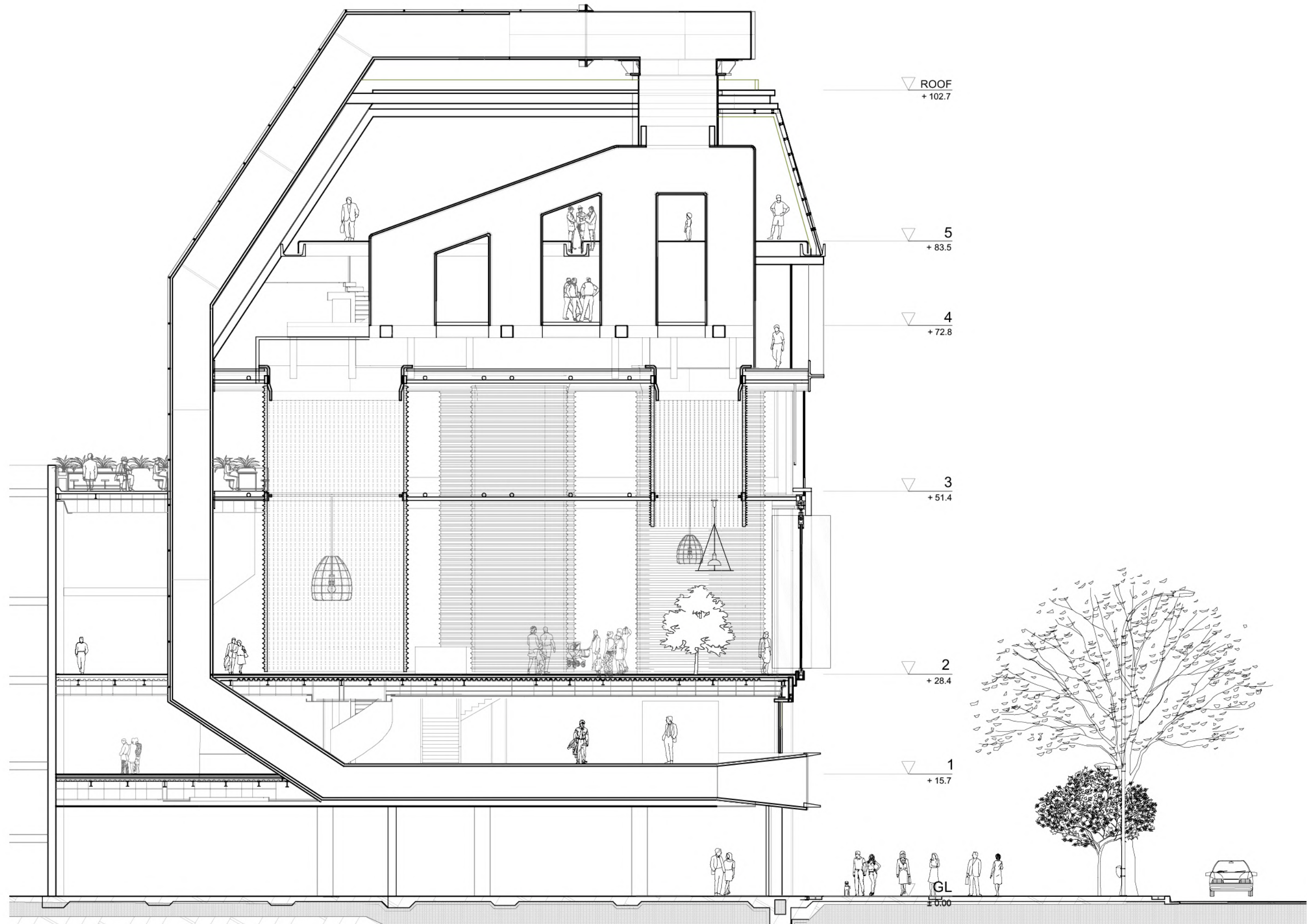


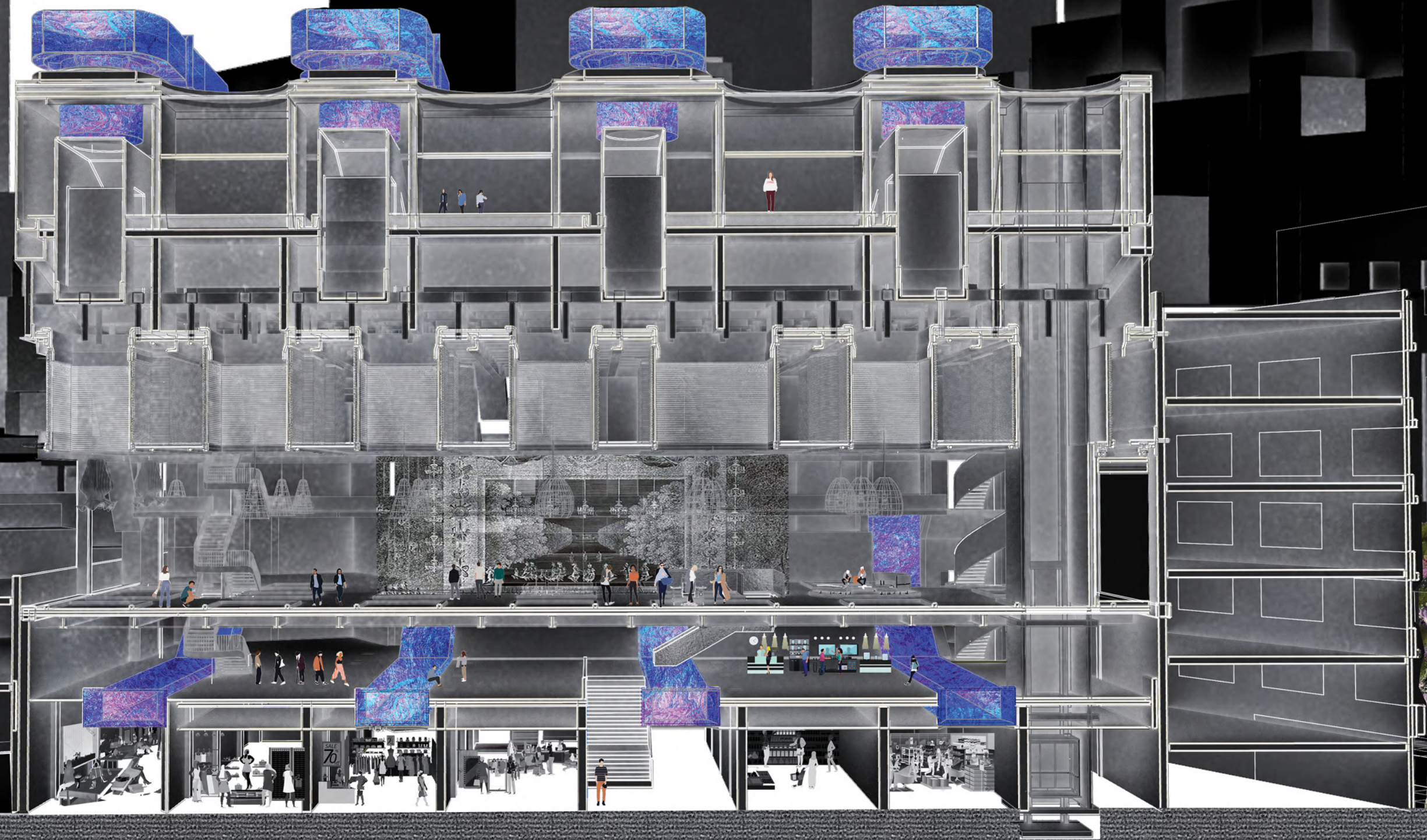
The filters are being wall themselves. It creates individual spaces with a function of air purification. Also, it can be transformed into a grand space, where you can enjoy concerts, shows and parties by forming a large space as needed.

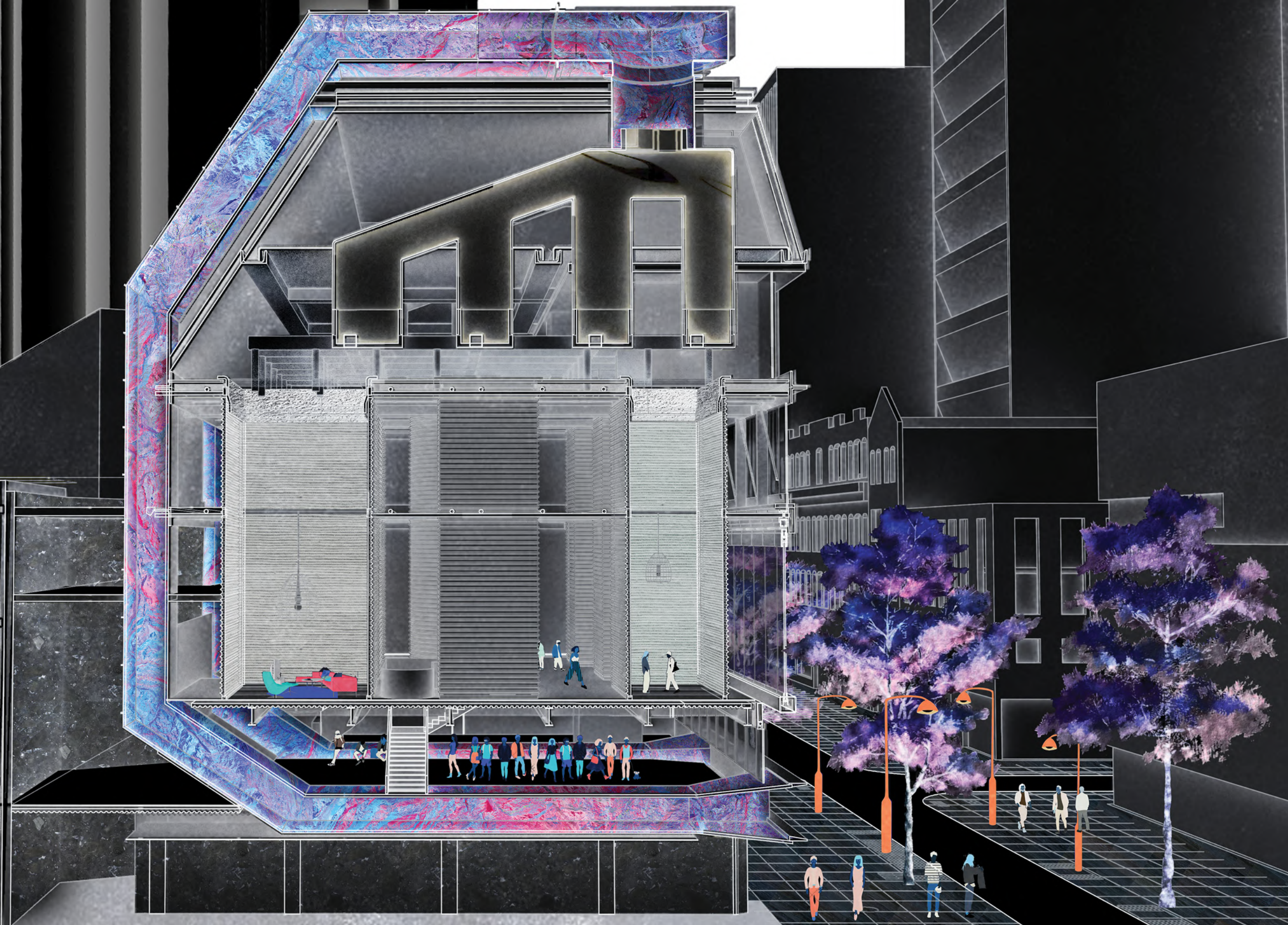




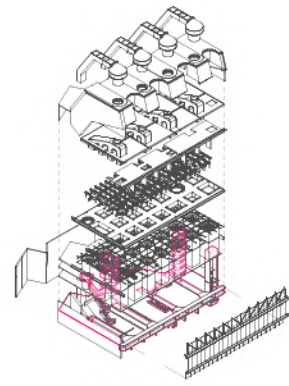




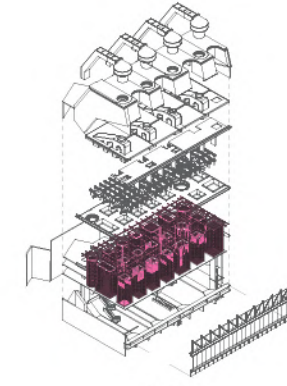




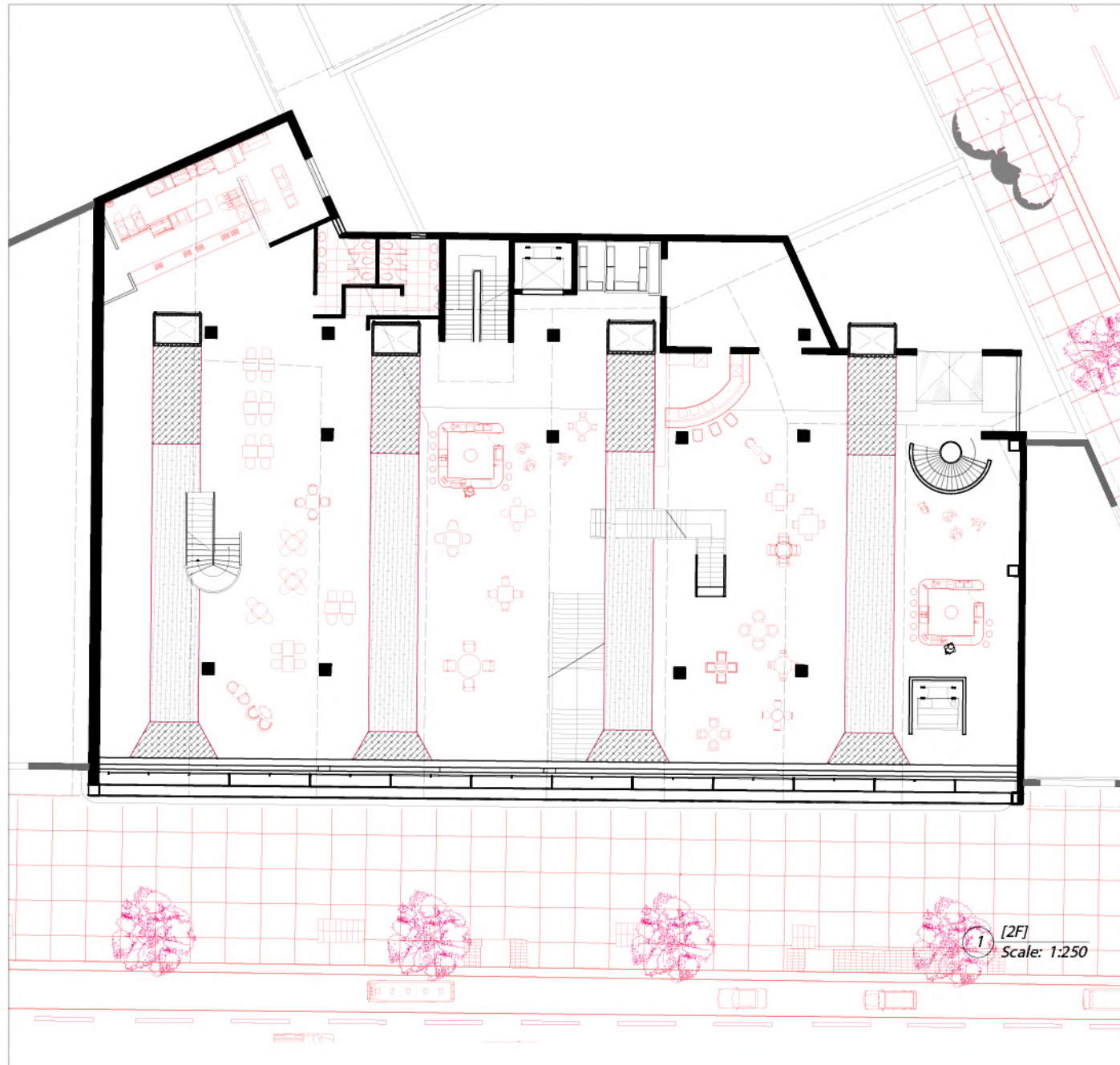




2F  
OPEN KITCHEN



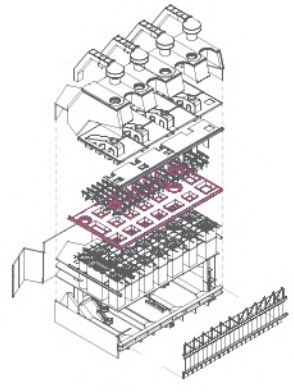
3F  
GRAND FLEXIBLE HALL



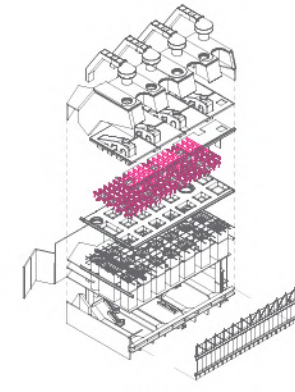
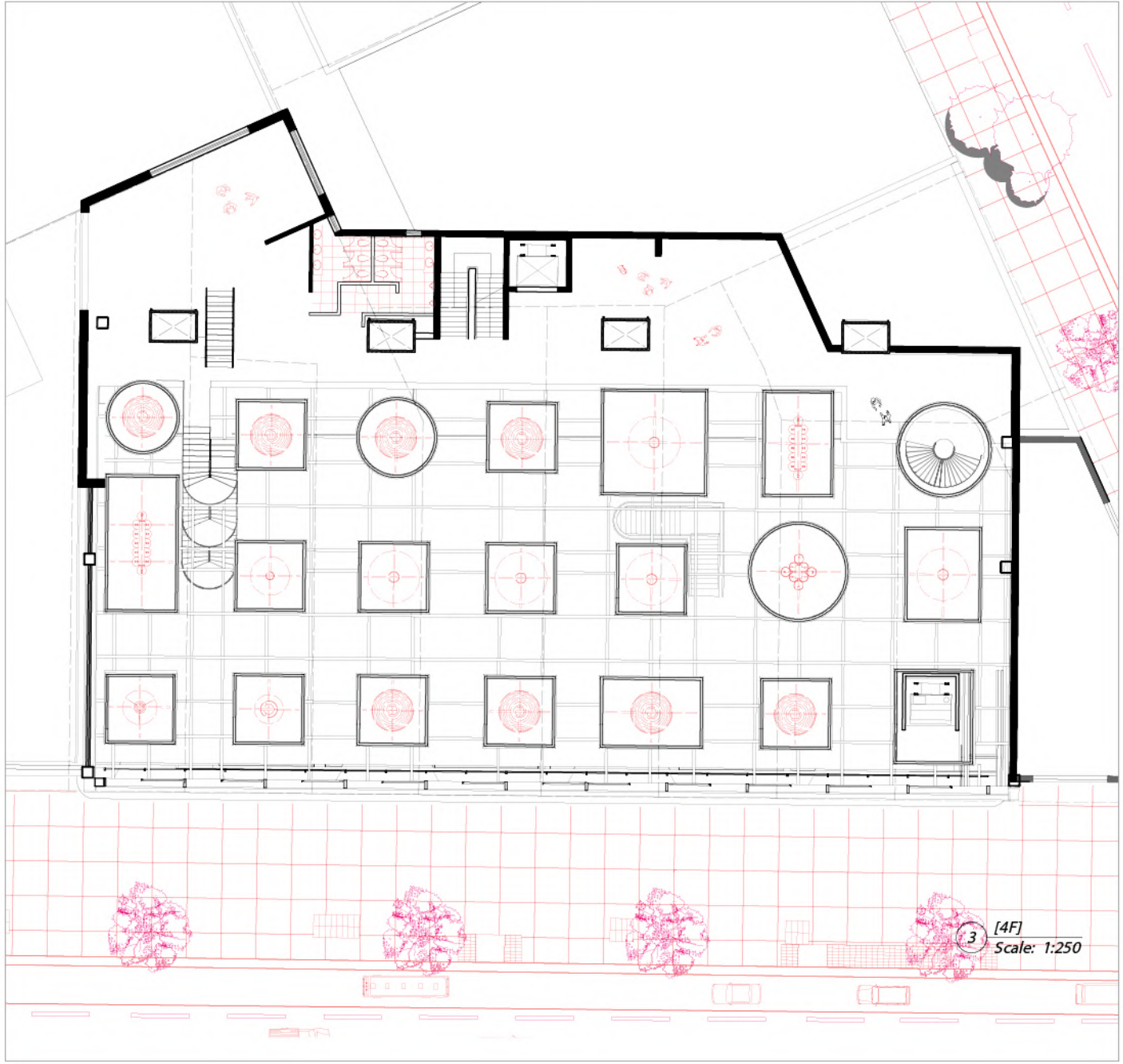
1 [2F]  
Scale: 1:250



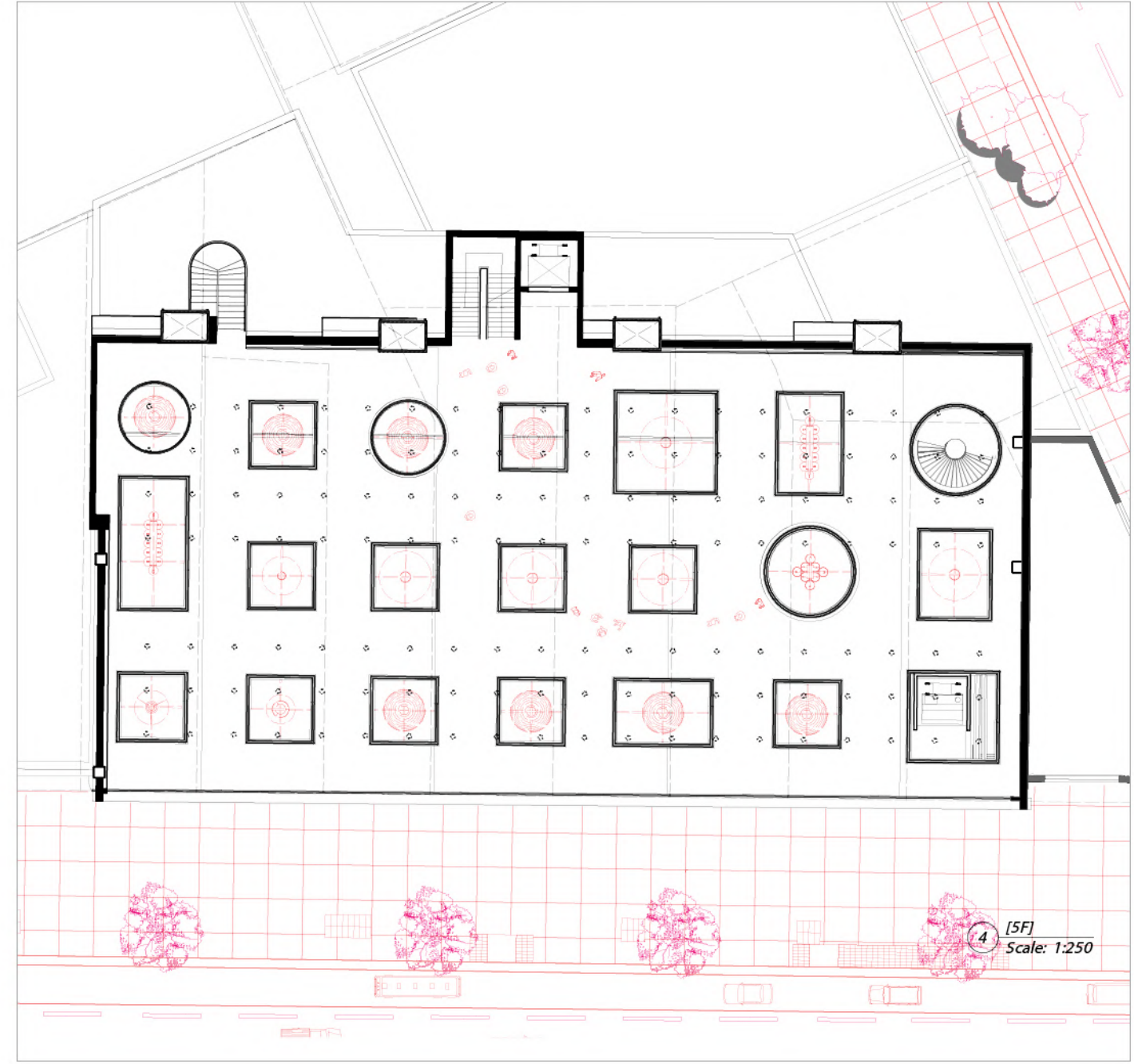
2 [3F]  
Scale: 1:250



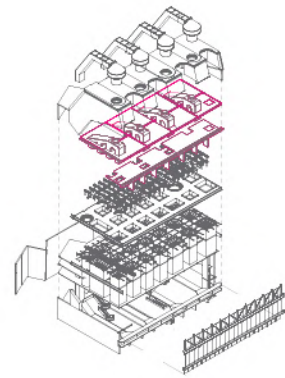
4F  
DIVERGENT FILTERATION



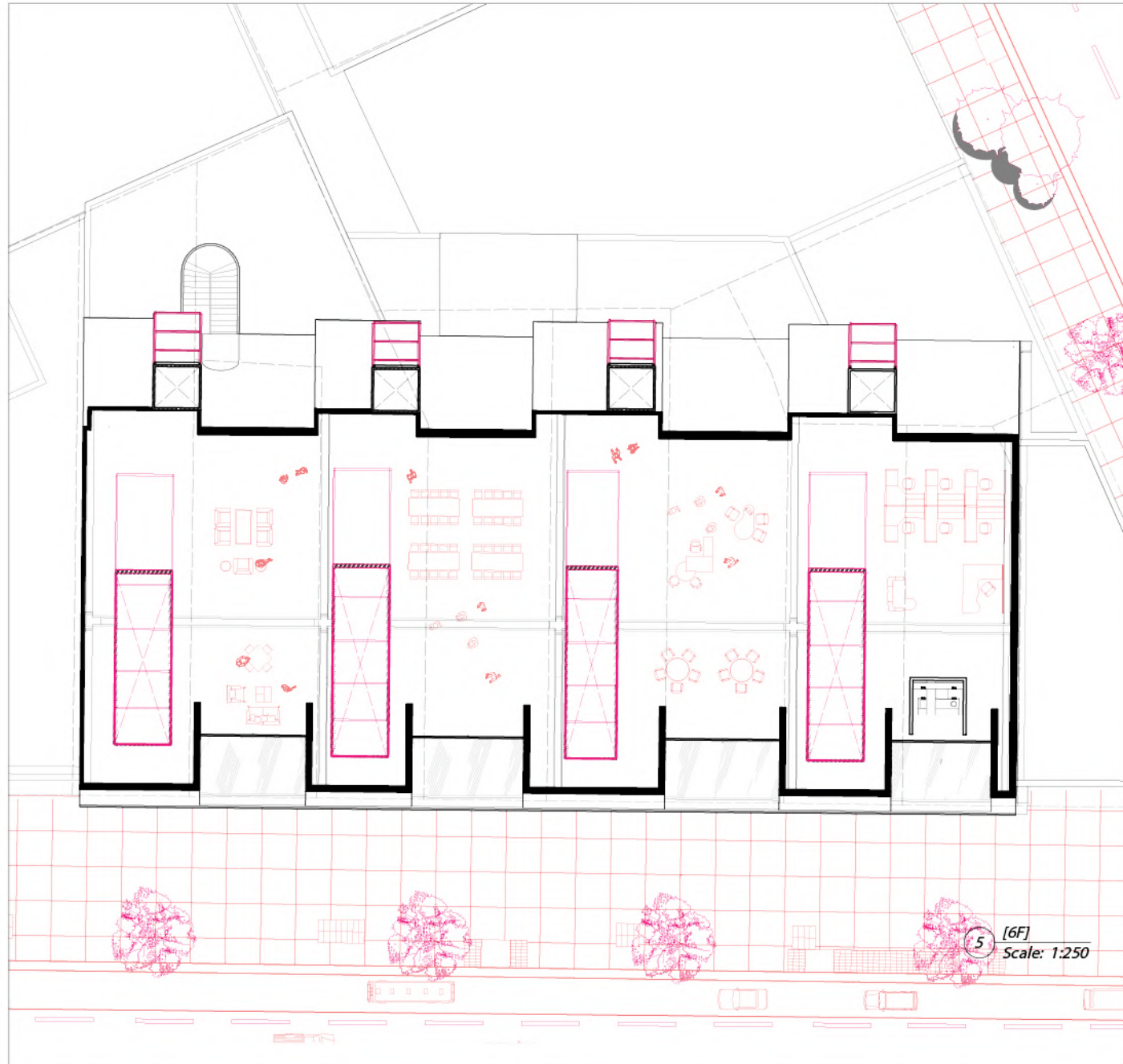
5F  
WORK SHOP



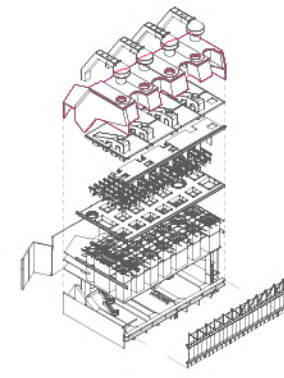




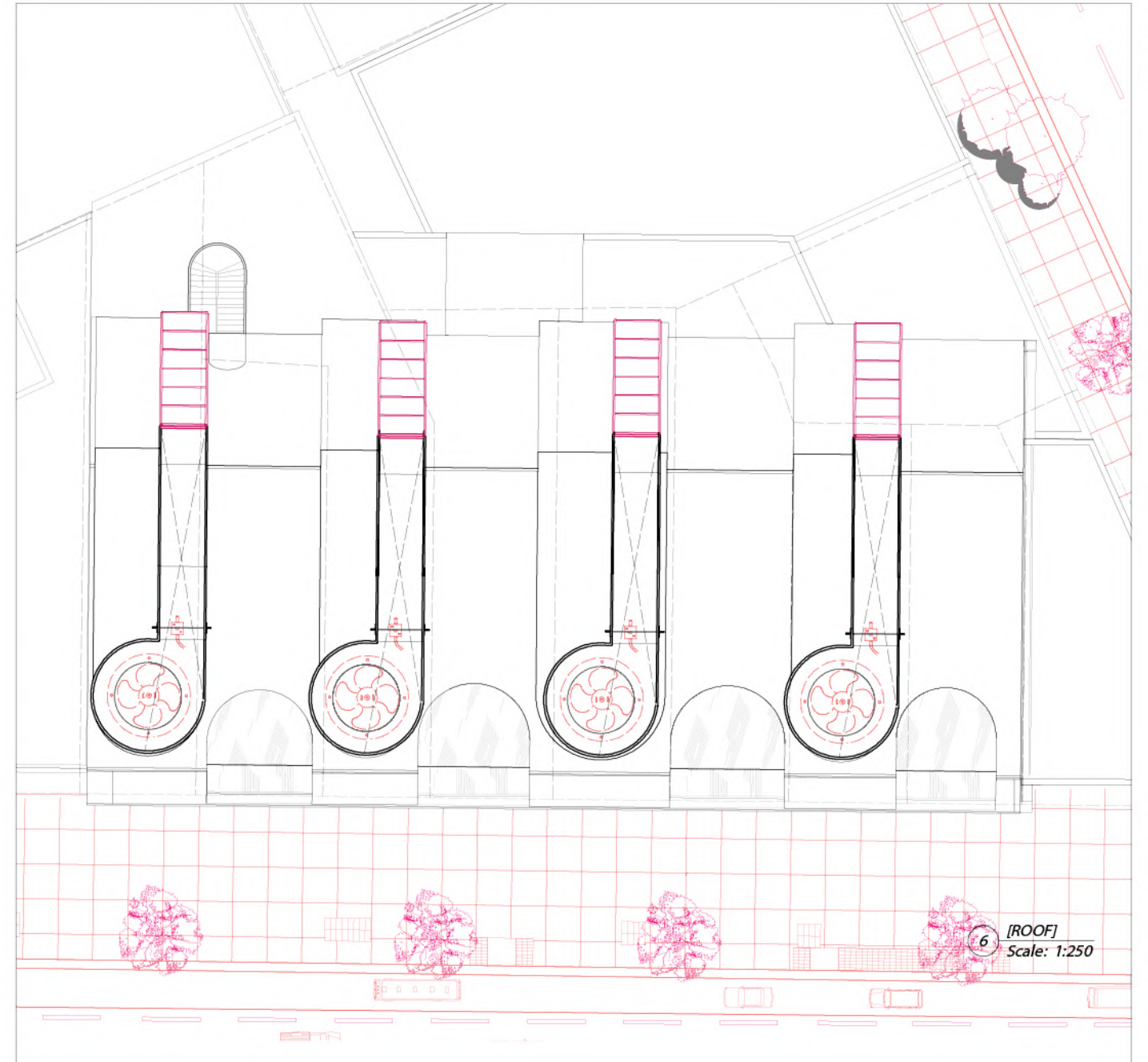
6F  
OPEN PLAN OFFICE



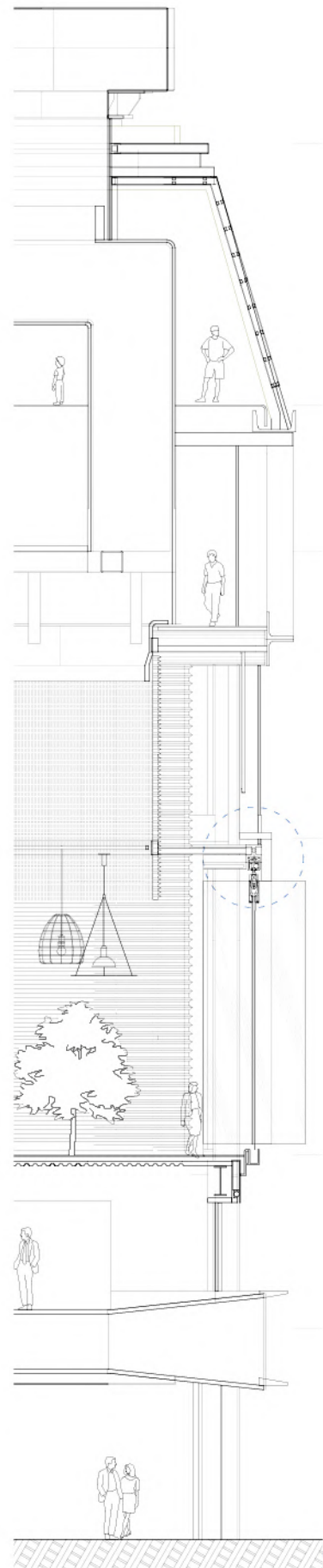
5 [6F]  
Scale: 1:250



ROOF



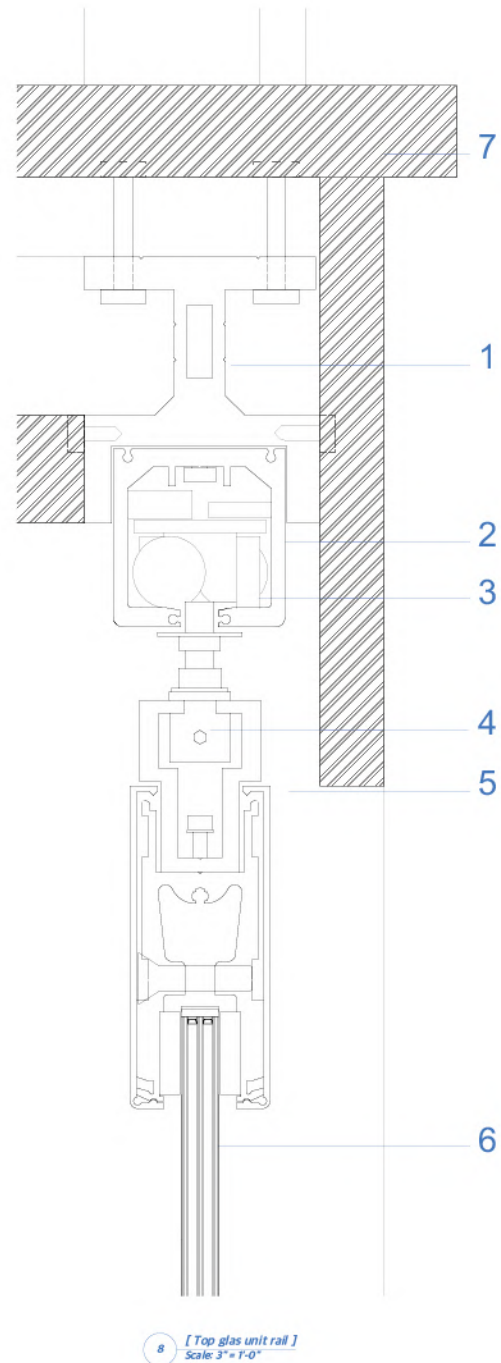
6 [ROOF]  
Scale: 1:250



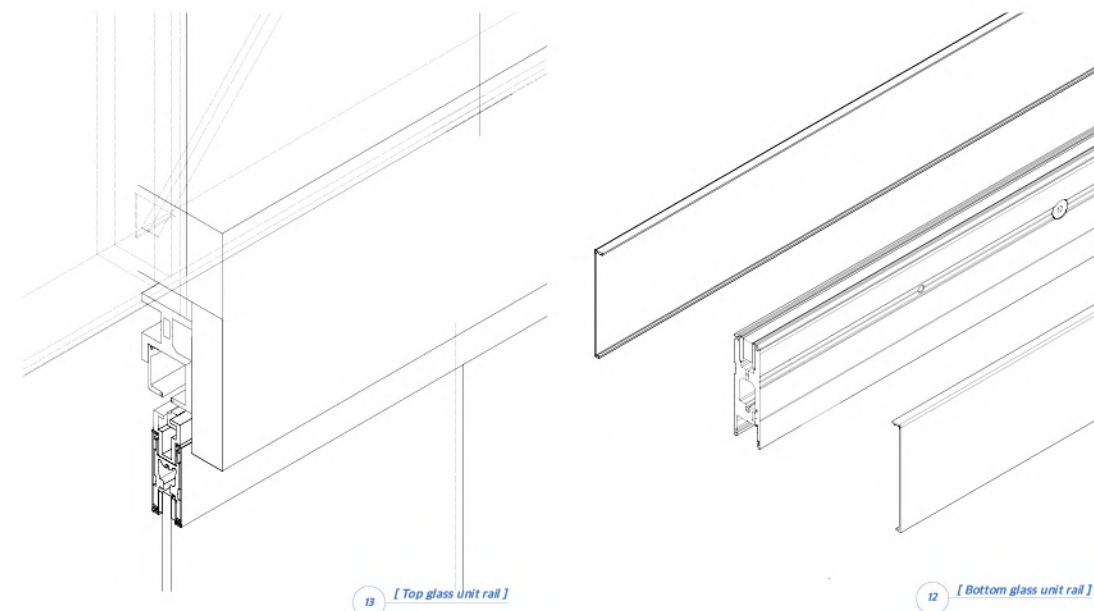
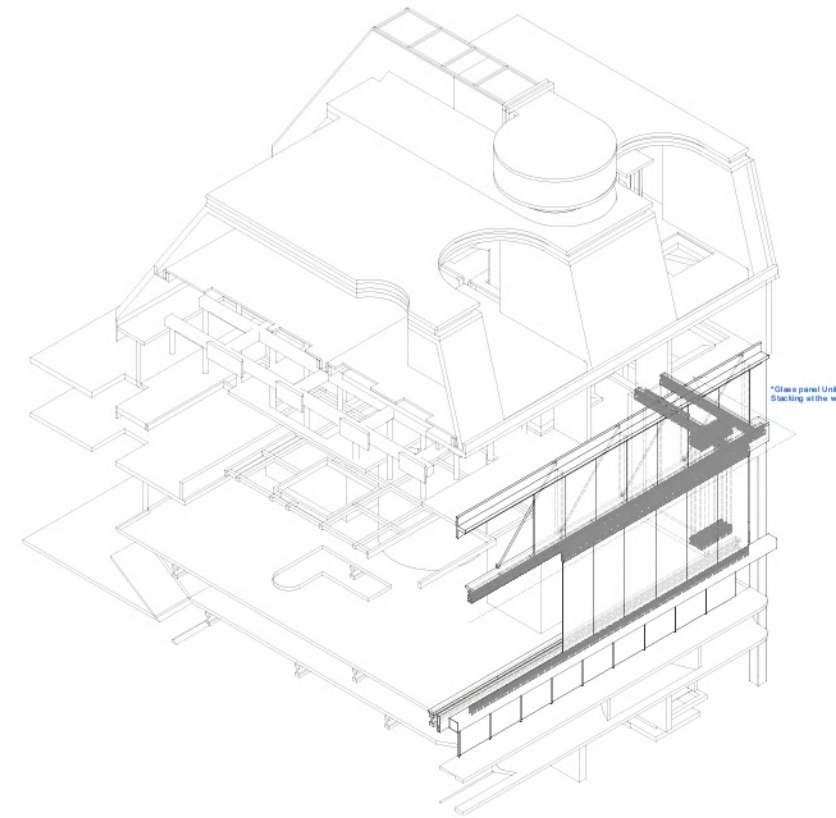
### Movable Glass panel System.

Individual panels' basic components.

- 1 Substructure to accommodate track rail
- 2 Track rail
- 3 Carrier
- 4 Suspension assembly
- 5 Top door rail steel cover
- 6 Triple laminated safety glass
- 7 building structure



8 [ Top glass unit rail ]  
Scale: 3" = 1'-0"

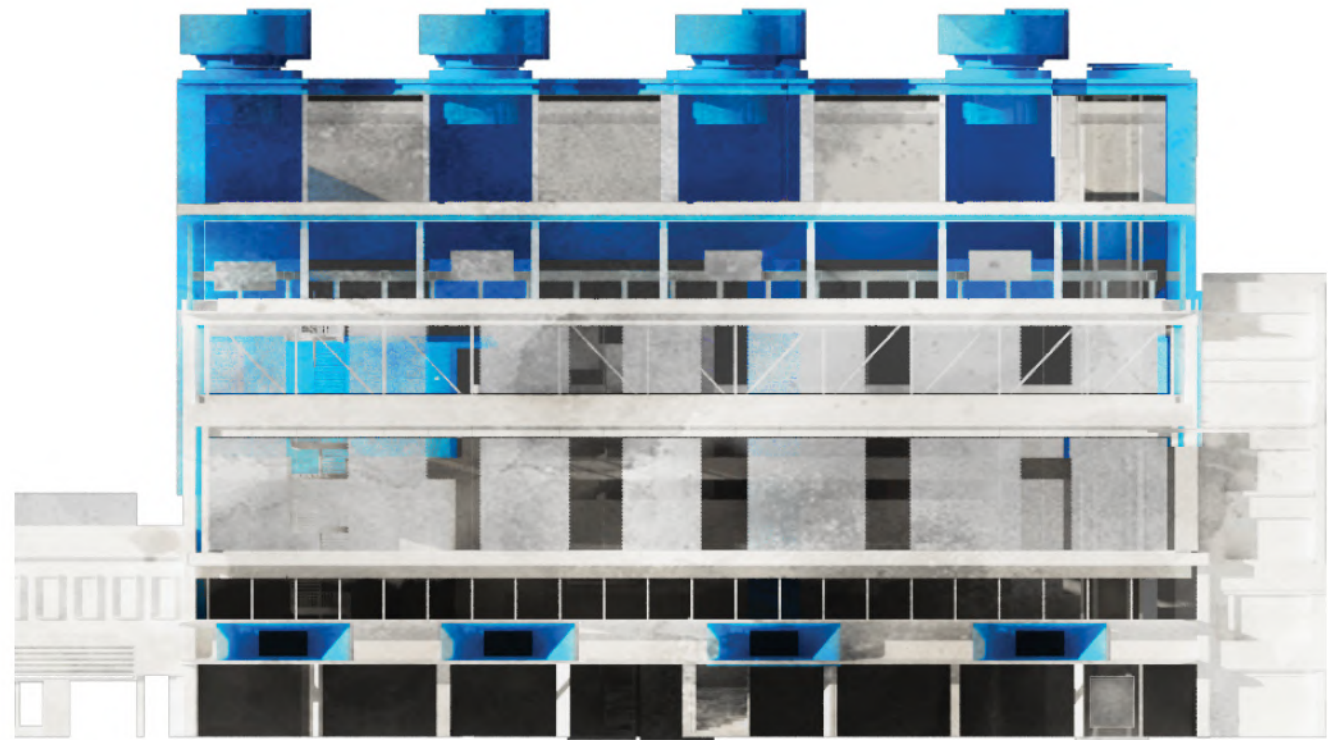
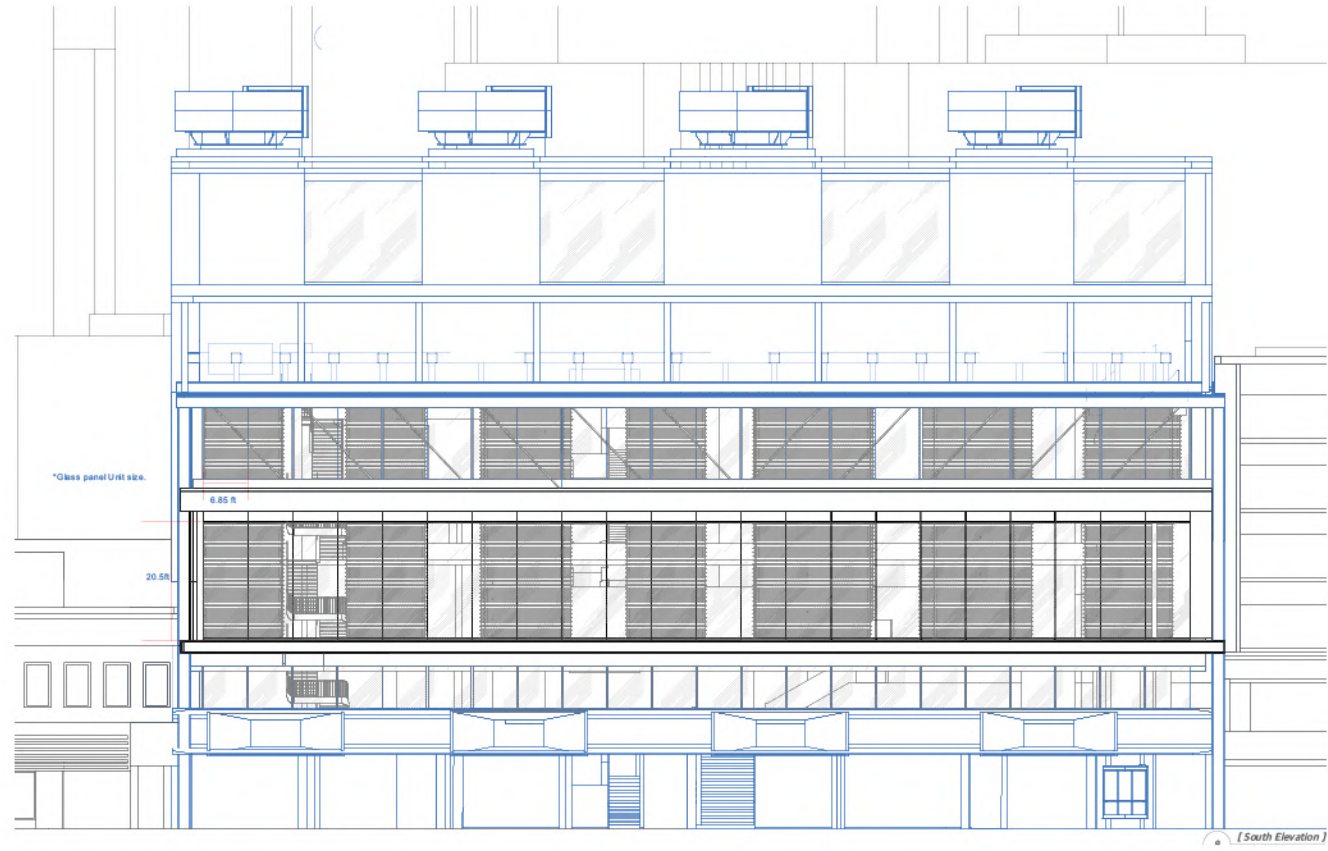


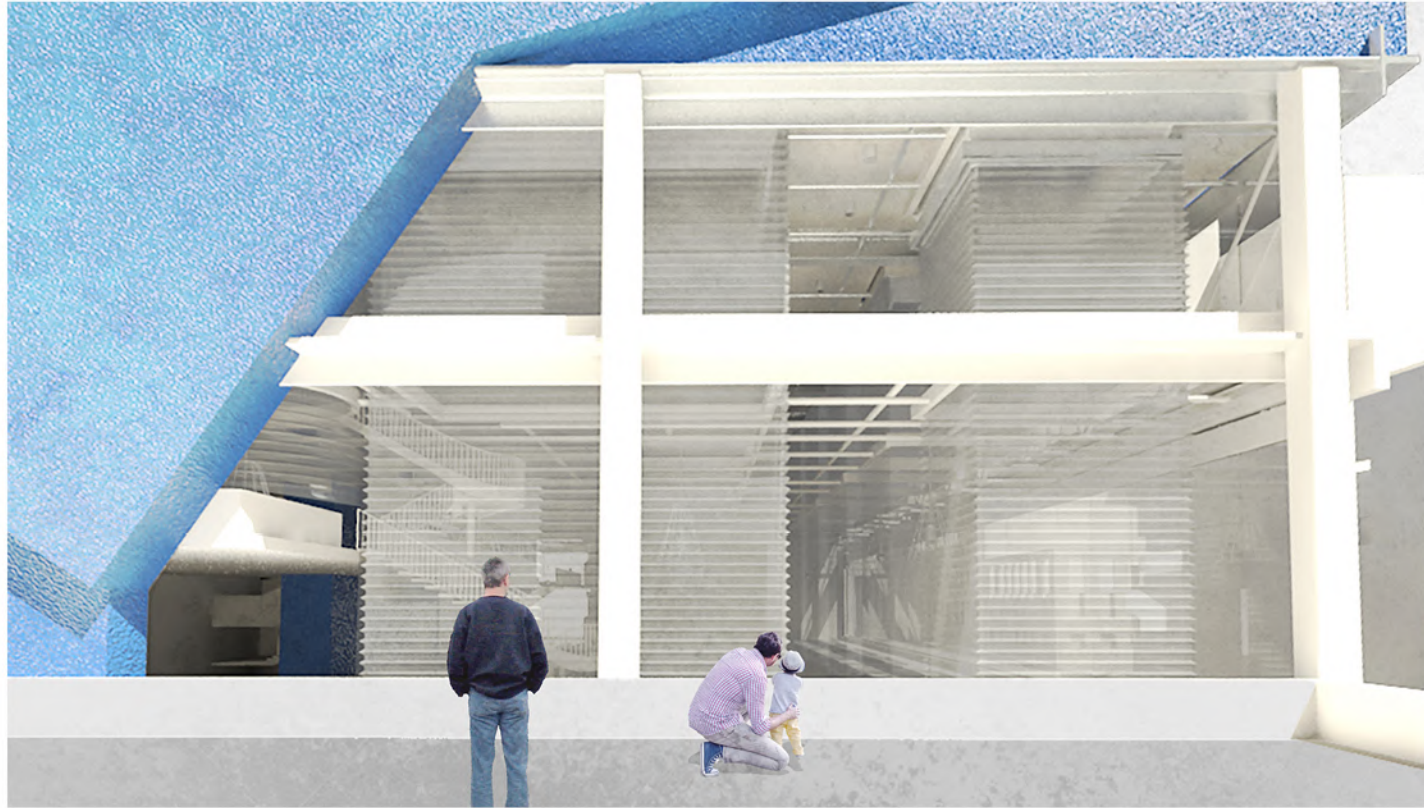
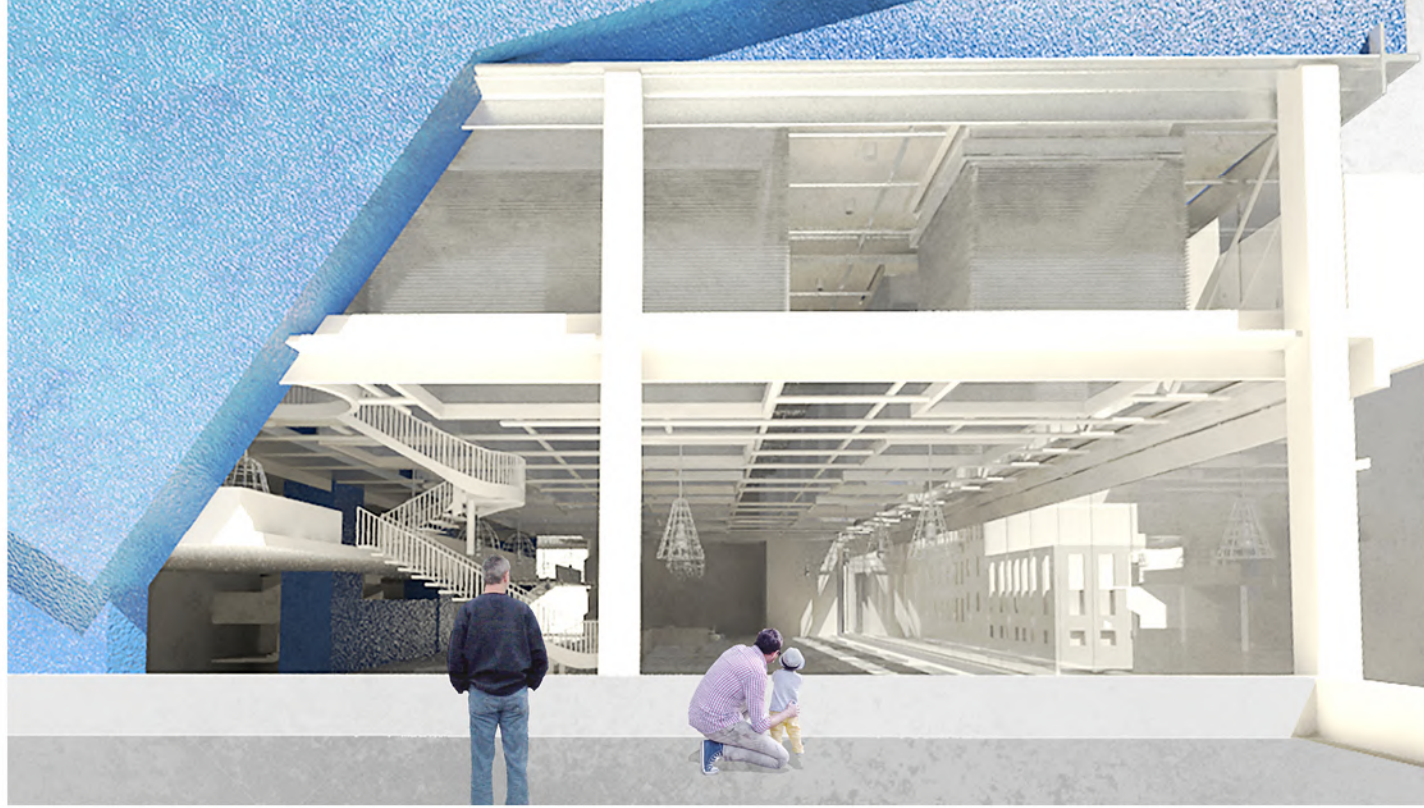
13 [ Top glass unit rail ]

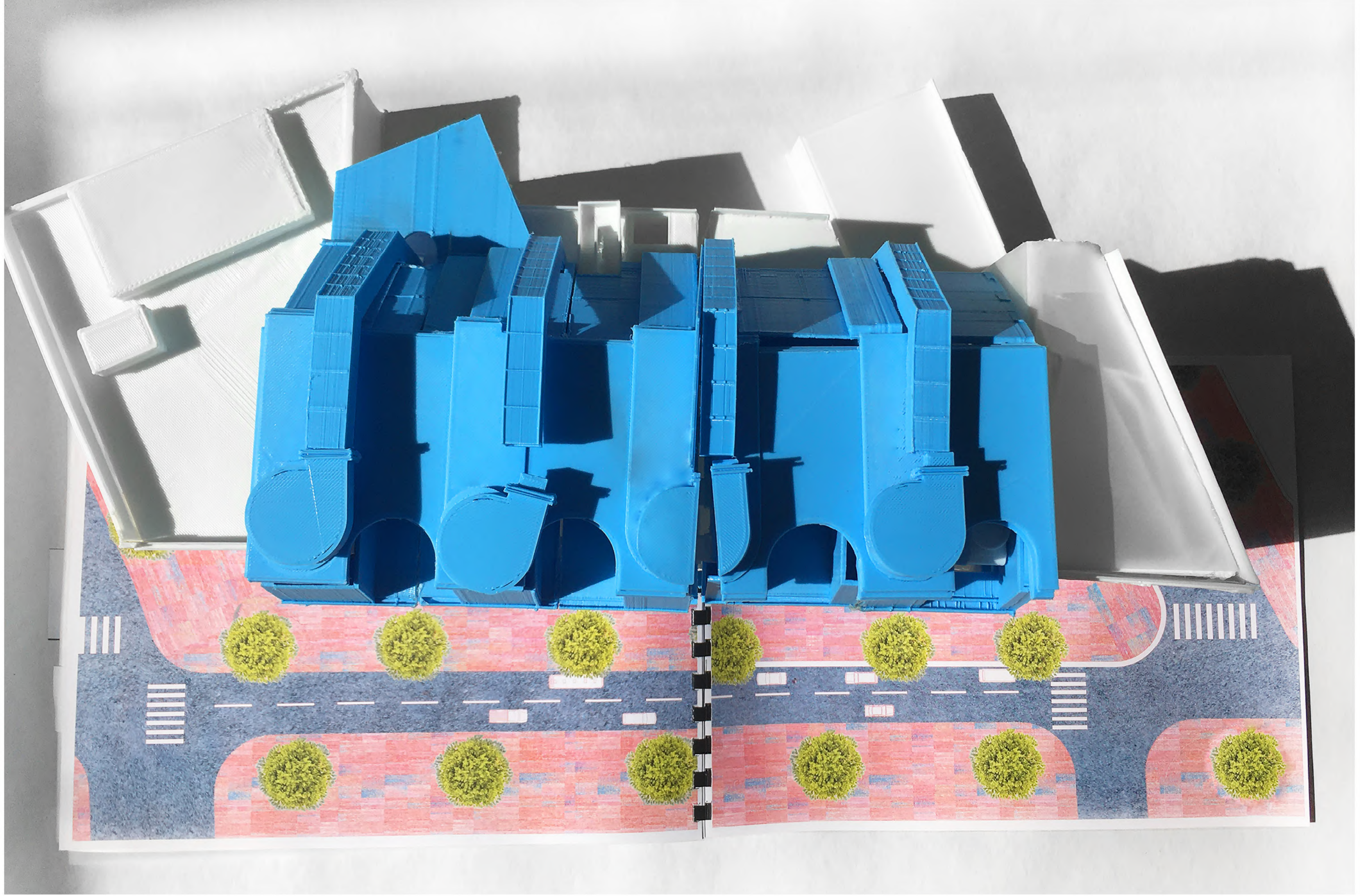
12 [ Bottom glass unit rail ]

Mainly inverting ventilation system to breezing fresh air to the street, first of all, Facade needs to be fully operatable to bring dirty air from street. So at the detail level of thinking, large movable glass facade will engrave a clear image from the street. People can see inside filtered area from the street level and also, it is opened to the public in large relam. Both conceptual and funtional aspect, the clear glass is a right material to this project.

The system do not use the floor supports, system requirements and all their technical properties must be taken into account when designing the substructure and its incorporation within the ceiling. That means the substructure's stabability is important to not bending that is crucial for railing system.







# 05

## INSIDE OF BABEL I

2019 GSAPP FALL HISTORY  
INSTRUCTOR : KYLE DUGDALE  
I INDIVIDUAL WORK

### BIBLICAL NARRATIVE

1 And the whole earth was of one language, and of one speech.

2 And it came to pass, as they journeyed from the east, that they found a plain in the land of Shinar; and they dwelt there.

3 And they said one to another, Go to, let us make brick, and burn them thoroughly. And they had brick for stone, and slime had they for mortar.

4 And they said, Go to, let us build us a city and a tower, whose top may reach unto heaven; and let us make us a name, lest we be scattered abroad upon the face of the whole earth.

5 And the LORD came down to see the city and the tower, which the children of men builded.

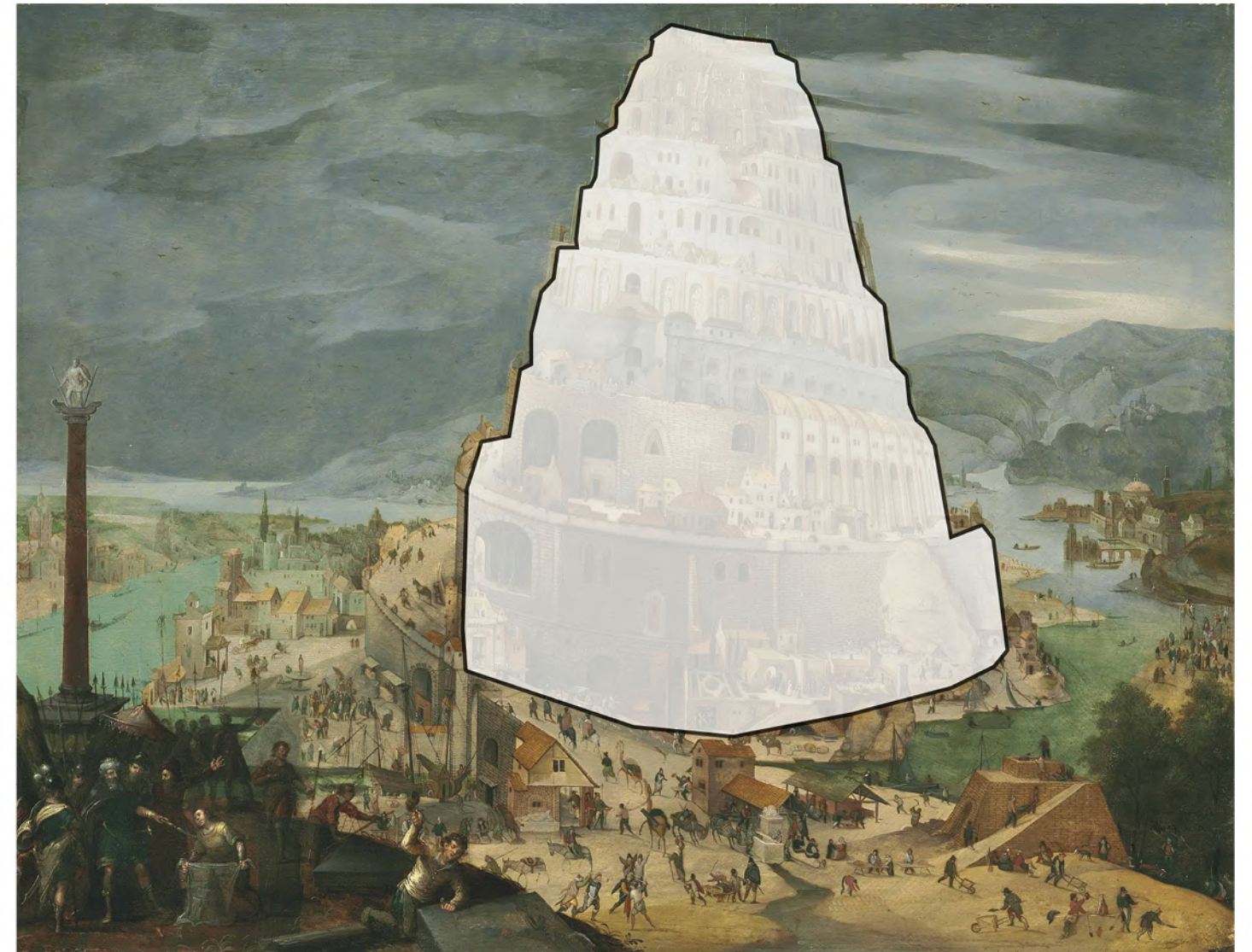
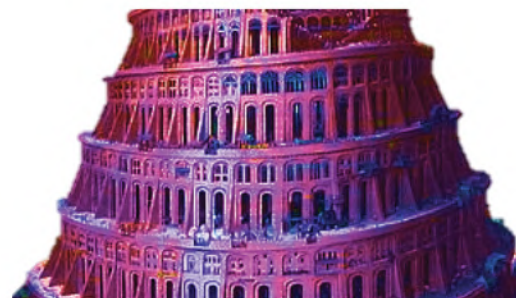
6 And the LORD said, Behold, the people is one, and they have all one language; and this they begin to do: and now nothing will be restrained from them, which they have imagined to do.

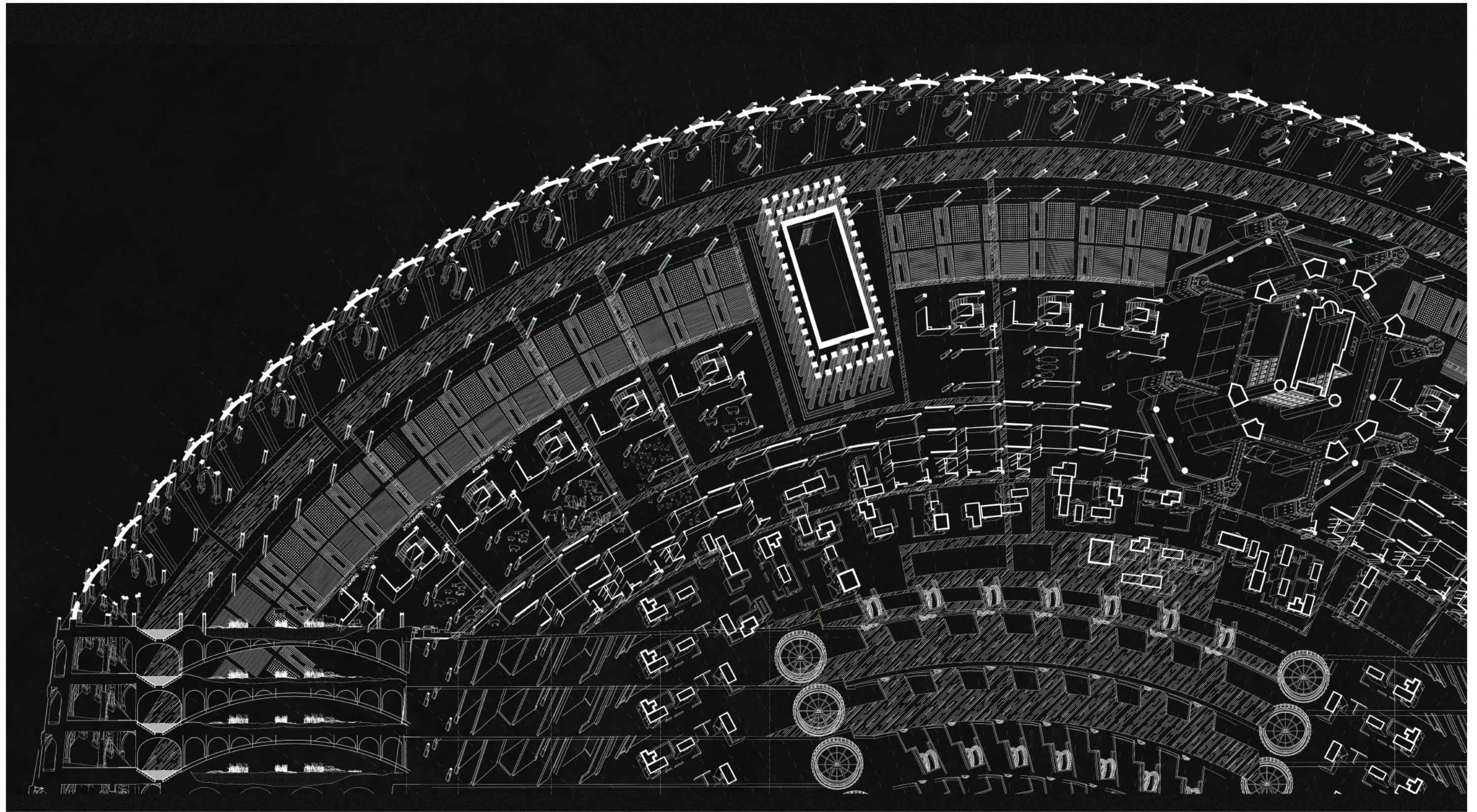
7 Go to, let us go down, and there confound their language, that they may not understand one another's speech.

8 So the LORD scattered them abroad from thence upon the face of all the earth: and they left off to build the city.

9 Therefore is the name of it called Babel; because the LORD did there confound the language of all the earth: and from thence did the LORD scatter them abroad upon the face of all the earth.

— Genesis 11:1–9





Pilgrimage route

Artificial waterway

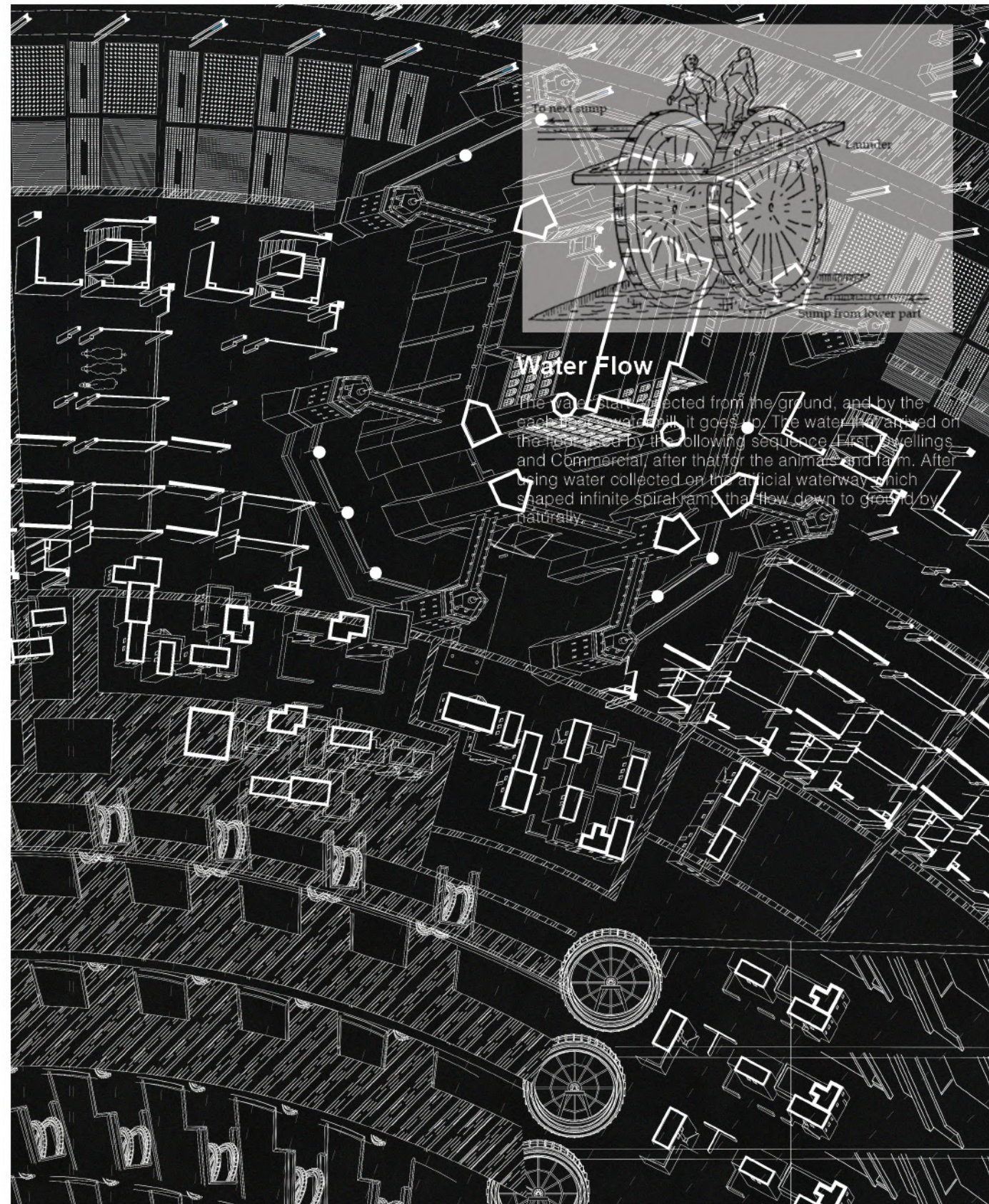
Farm

Lodgings for workers and animals

Dwellings

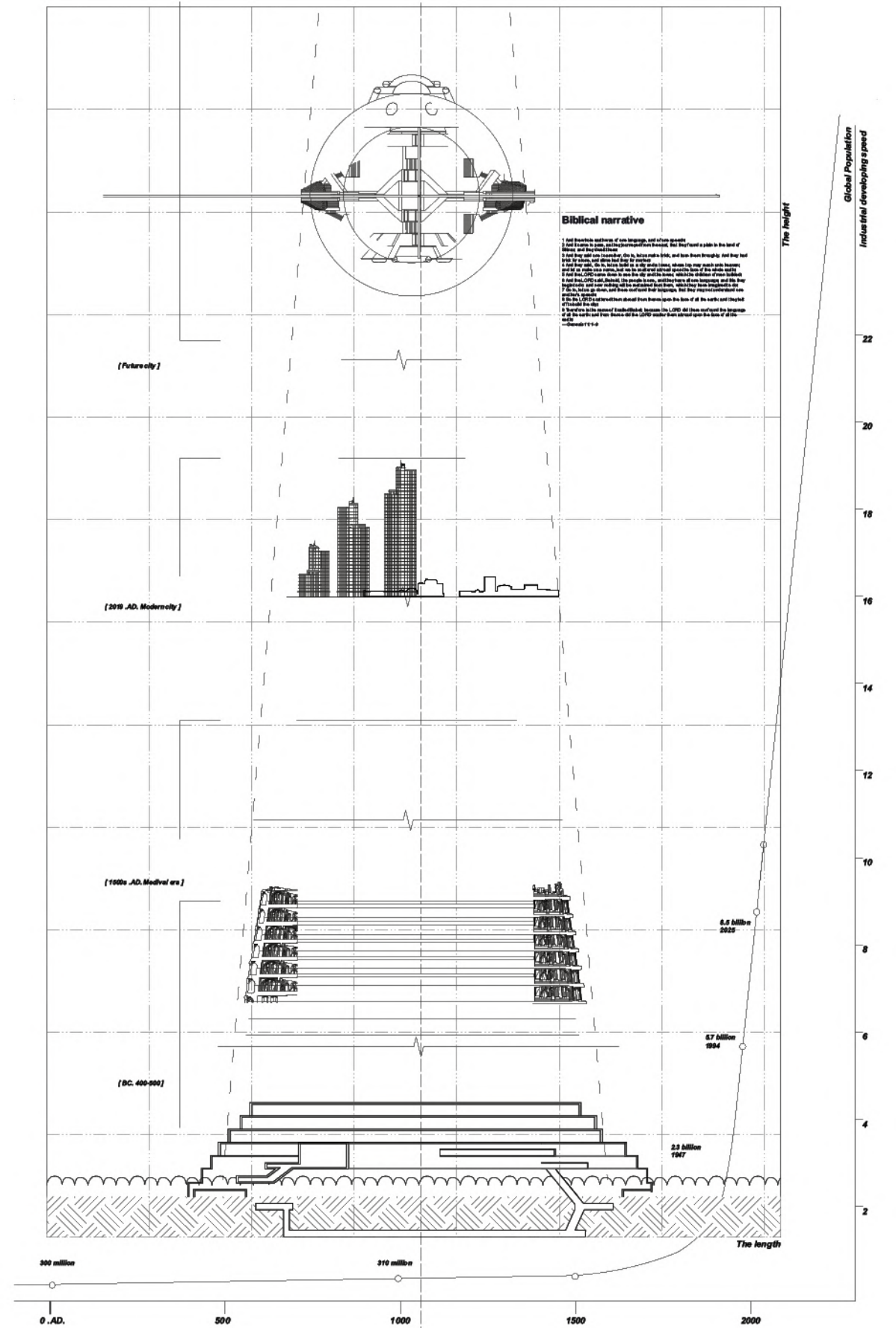
Commercial

Infrastructures  
-Water mill



**Water Flow**  
The water is collected from the ground, and by the each water mill it goes up. The water is carried on the top by the following sequence. First, Dwellings and Commercial, after that for the animals and farm. After using water collected on the artificial waterway which shaped infinite spiral ramp that flow down to ground by naturally.

Dwellings      Lodgings for workers and Farm animals      Artificial waterway      Pilgrimage route



**Biblical narrative**  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...  
I had finished and more of the language, and of the world...



# 06

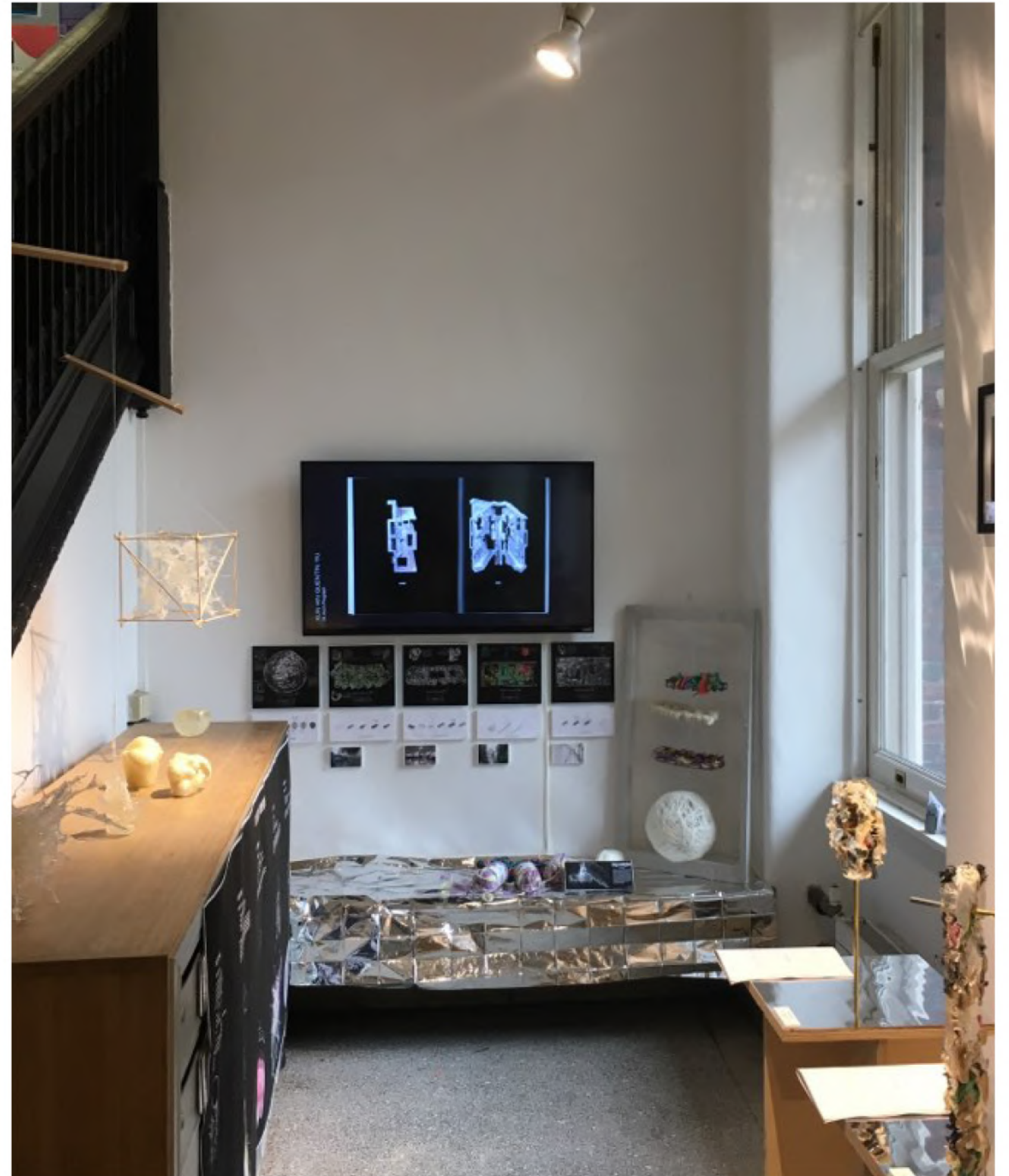
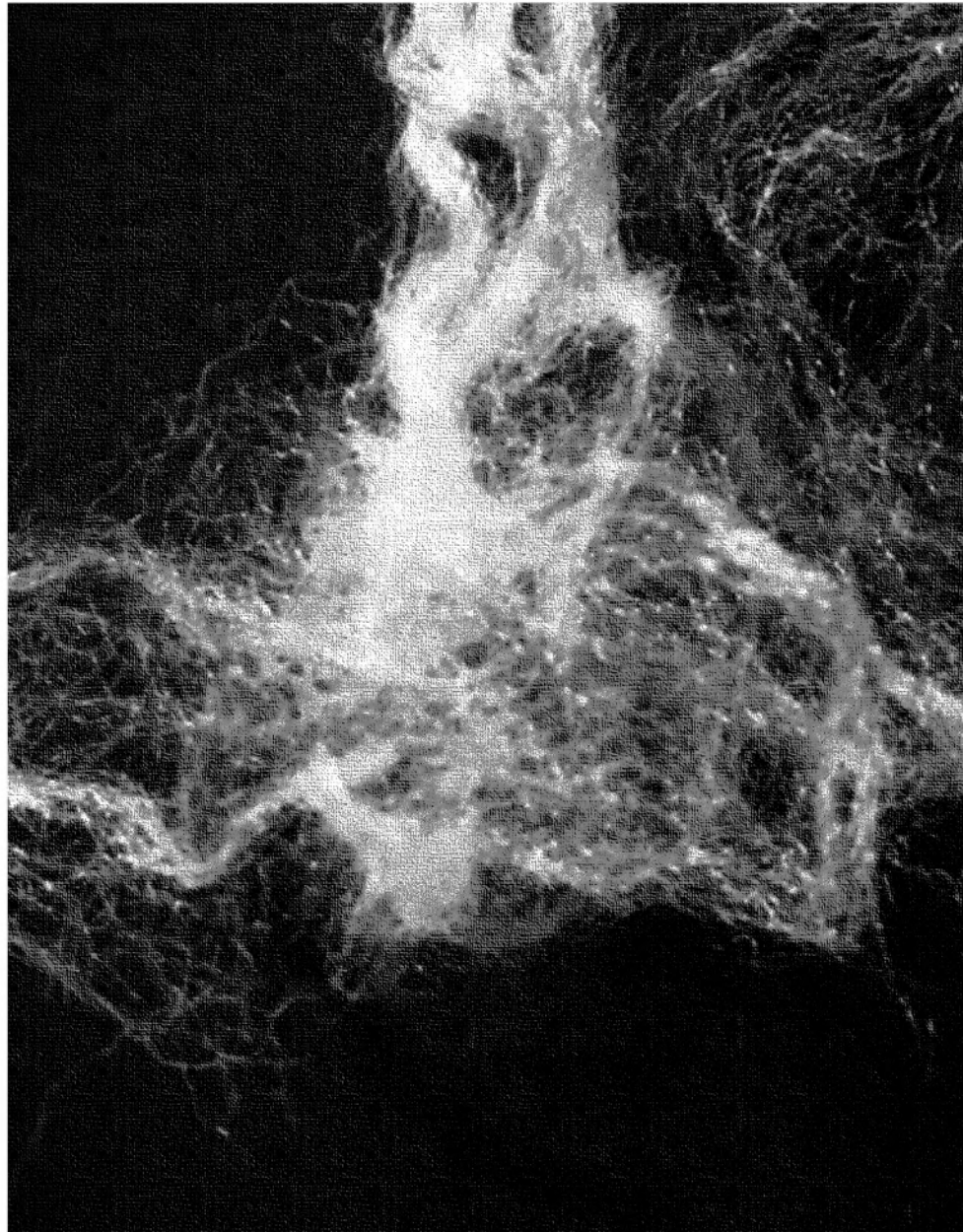
## MOVING CONVERTING SPACE | LINE CREATES SPACE

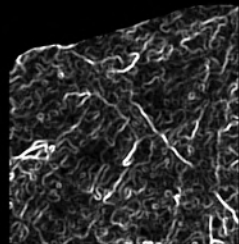
2019 GSAPP FALL COMPOSITE MODELING STUDIO EXHIBITION

INSTRUCTOR : JACQUELINE MARTINEZ

I INDIVIDUAL WORK

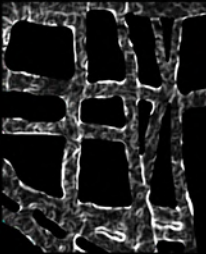
Watching an old bus terminal in Seoul, this project is documenting the movement in the building, looking how circulation makes invisible space. Using lines as a transferring materials, it creates infinite tracks of people and it reveals the density and space usage of each area. Turning this temporal space occupancy into a visible space, each story has different programs and as a result, the circulation itself also brought up in different shapes and organizations.





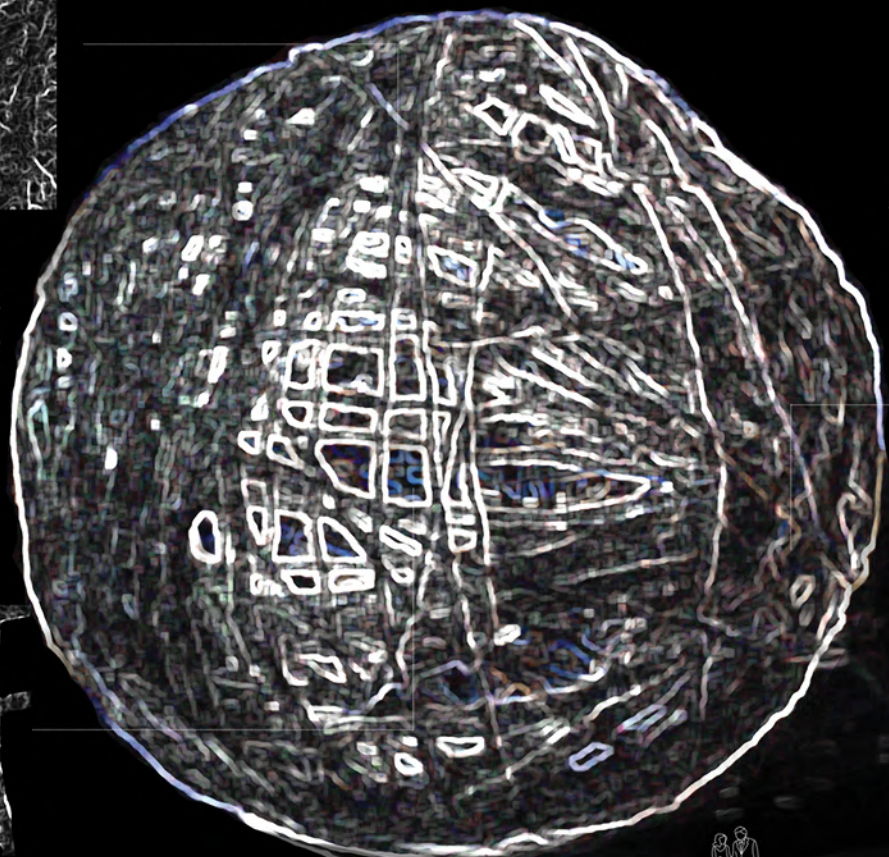
**\*Go-To mall**

Go to mall is largest underground shopping mall in Seoul. It has very dense user circulation because it is on meeting point of 3 different subway lines and the shopping's specific typology - moving thorough using.

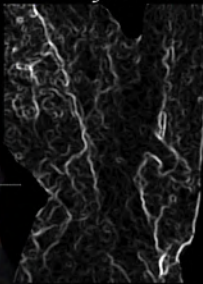


**\*Seoul Bus Terminal**

Comparing to other underground area, underneath of Seoul Bus Terminal is less dense using. It also has strict grid structure that people can have certain pedestrian ways.



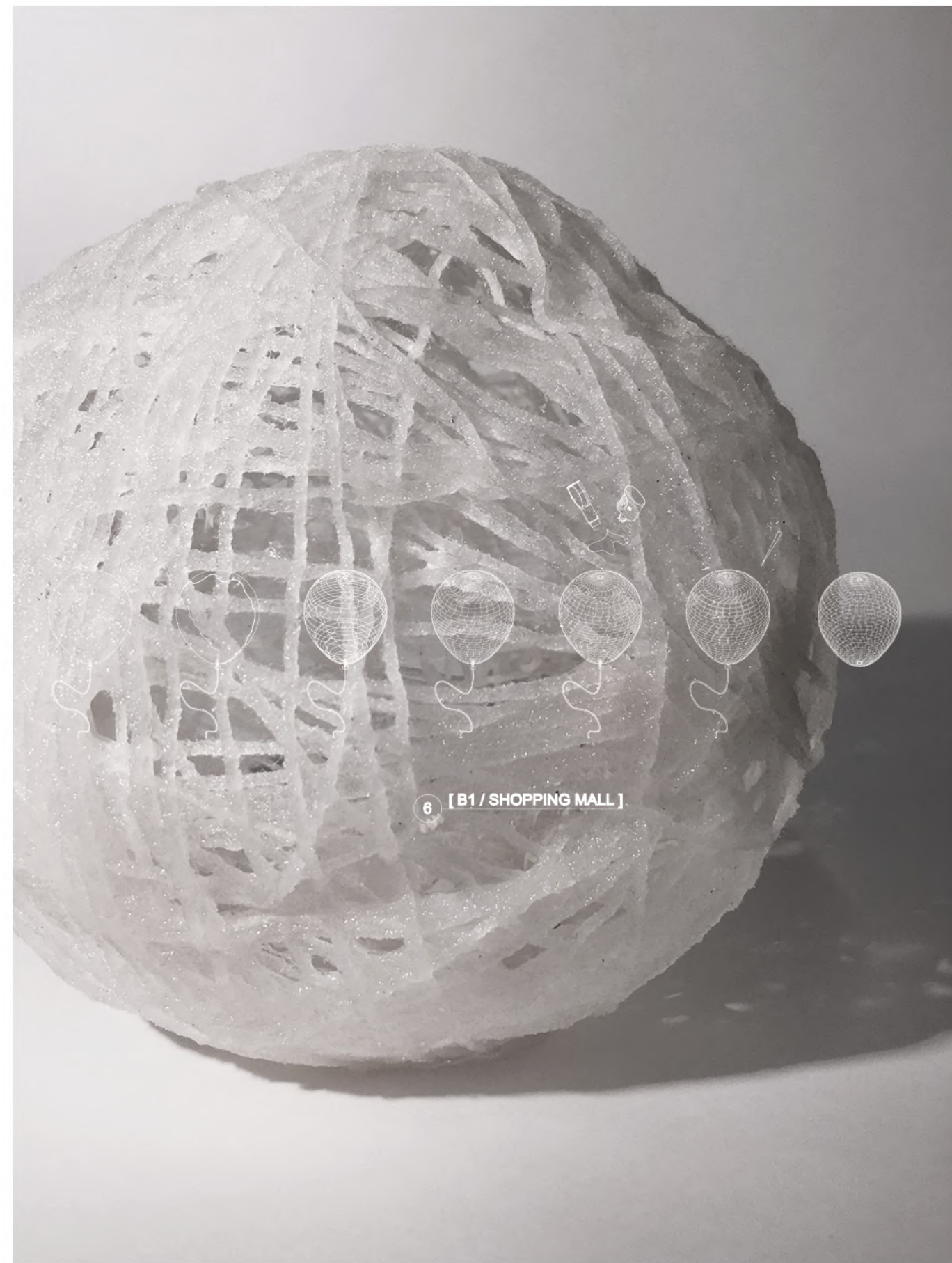
**\*Central city Terminal**



**\*Central city**

Central city is large complex that consist of department store, Bus terminal and shopping malls. It is newly built few years ago and because of it's convenience, there are a lot of human traffic. Also, it has uncertain movement because of it's large hall area and hard way-finding

**Seoul Express Bus Terminal B1**







*\*Traditional dress shop*

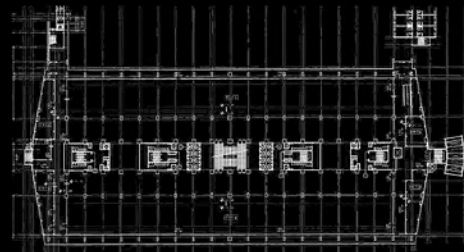
*Traditional Korean dress called 'Hanbok' is has been used for the weddings. Since there was a wedding hall in the 5th floor and currently there is 'Marriot hotel wedding hall' is next to it, there are quite many customers' movements.*

*\*Whole sale shop*

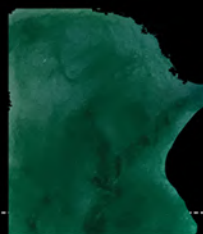
*The whole sale shop shows very low movement of customers. Since in Seoul, there are biggest clothing market in diffenet region, this place is not a perfect place for buying things.*



*Seoul Express Bus Terminal F2*



8 [F2 / CLOTHING MARKET]



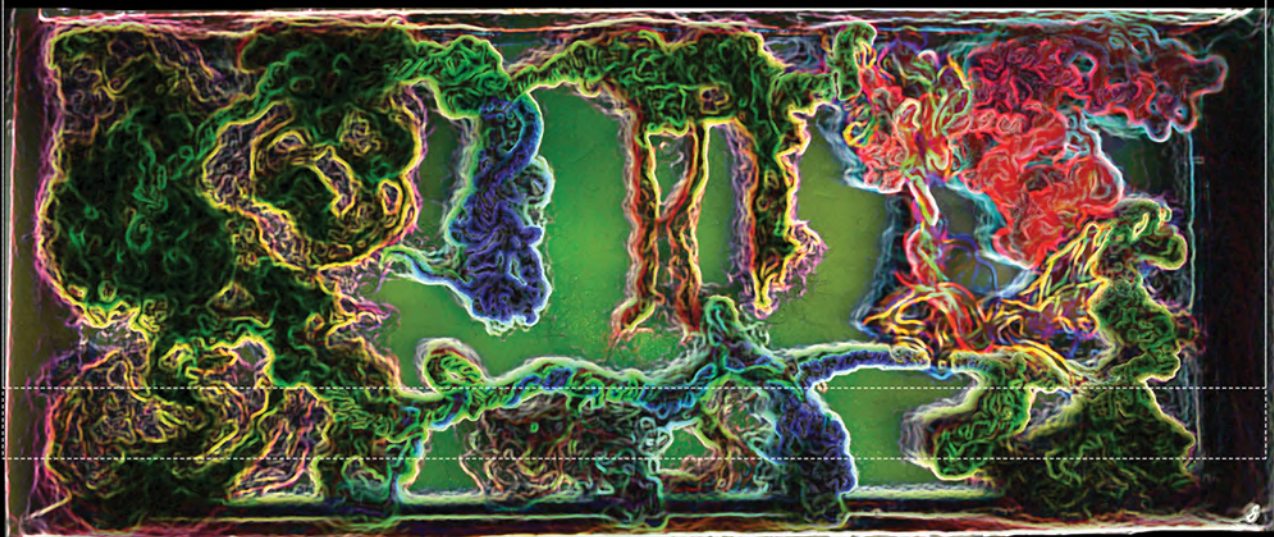
*\*Grass shop*  
Featuring more green, they sell all kind of leaves and grass




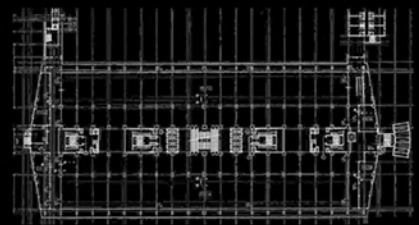
*\*Suppliment shop*  
They sell not just live things but stone, machines for the plant

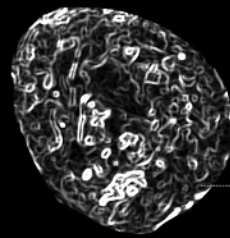


*\*Flower shop*  
Most of the shops are flower shops . different size, colors . it is basically for the whole sale.

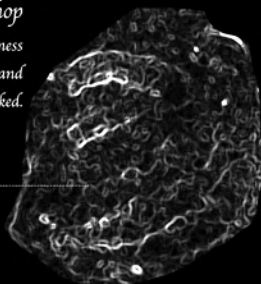


Seoul Express Bus Terminal **F3** 

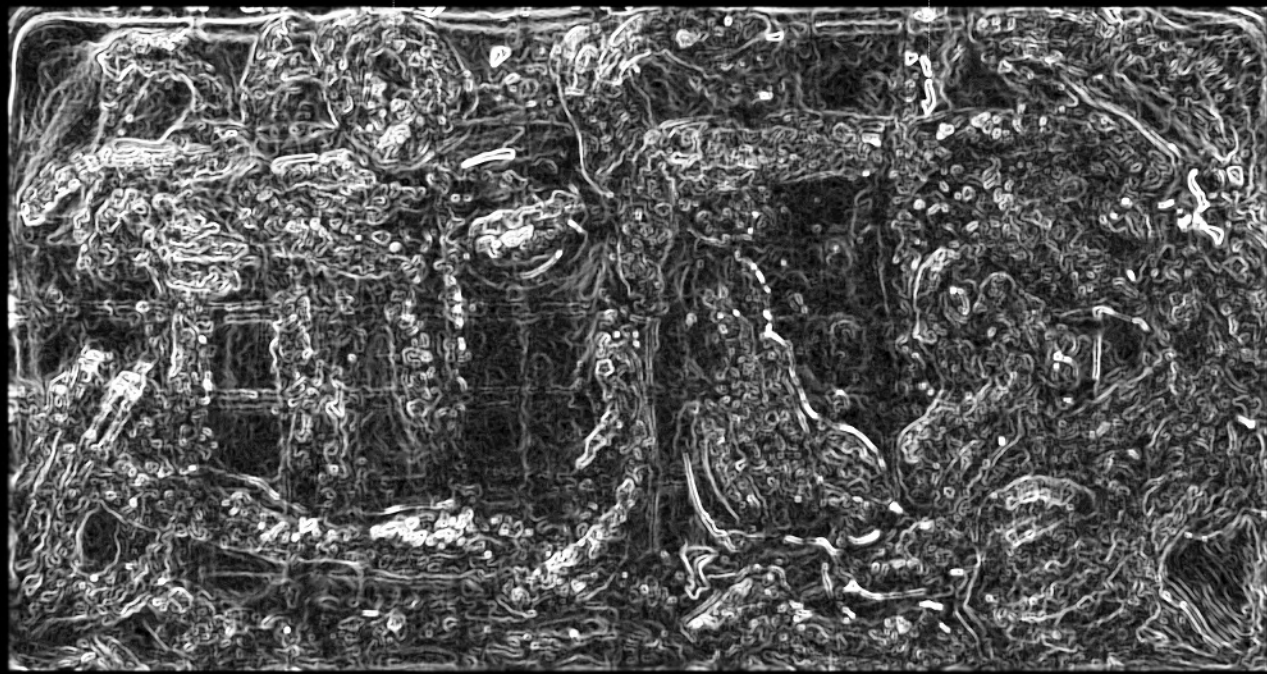




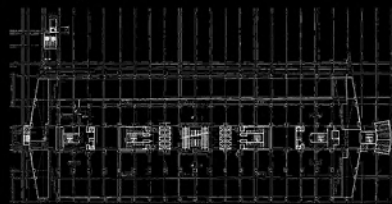
*\*Shutter down shop*  
 Even it is the same closed area, there is physically different things. the door material and how do they cover the door. This area is covered by steel shutter. it gives more closed and solidity to the floor.



*\*Glass door shop*  
 Glass door gives a more openness even though it already closed and locked.



Seoul Express Bus Terminal **F4**



# EUNA SONG

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<https://www.eunasong.com/>

## EDUCATION

### **COLUMBIA UNIVERSITY, GSAPP, NEW YORK**

M.S ADVANCED ARCHITECTURAL DESIGN (M.S.AAD) | JUNE 2019 - MAY 2020 (EXPECTED)

### **KOREA UNIVERSITY, SEOUL, REPUBLIC OF KOREA**

BACHELOR'S DEGREES IN ARCHITECTURE | MAR 2013 – FEB 2019  
Graduate with top honors in graduation project.

## PROFESSIONAL EXPERIENCE

### **MASSTUDIES, SEOUL, REPUBLIC OF KOREA**

INTERN ARCHITECT | FEB 2019 - MAY 2019 ( 4 months)

International Invited Design Competition for Main Street of Yangdong-District ; Urban design ;Seoul Korea; winning competition ; involved full stage of project; searching materials; Situation & Project 3D modeling using Rhino ;3D design options using Rhino and Auto-

### **ALONSOXACEBO, MADRID, SPAIN**

INTERN ARCHITECT | JAN 2018 – FEB 2018 (2 months)

Kimitec Headquater ;La Gangosa, Spain ; 3D design options using Rhino and AutoCAD after working through sketches , Renders using

### **HHF ARCHITEKTEN, BASEL, SWITZERLAND**

INTERN ARCHITECT | Jun 2016 – Jun 2017 (1 year)

Aux Entrepôts;Mixed-Use: Housing and Commercial ; Renens, Switzerland ; winning competition | Jardin Métropole;Mixed-Use: Housing, Commercial, Office ; Biel, Switzerland;winning competition | Swiss Pavilion Dubai 2020 ; Study for the Swiss Pavilion at Dubai 2020 World Expo ; Dubai, UAE | Modissa ; Commercial, office; Zürich, Switzerland | Schweizer Radio und Fernsehen ; Zürich, Switzerland ; researching and making diagrams using Illustrator ; drawings using Vectorworks ; 3d modeling using Rhino; render using Rhono V-ray and photo-

### **CHAE PEREIRA ARCHITECTS, SEOUL, REPUBLIC OF KOREA**

INTERN ARCHITECT | FEB 2016 – MAR 2016 (2 months)

Make School Toilets to decorate and dream together ; renovation project ; measuring building and drawing plan and elevation using auto-

### **GWANG-MYEONG UP-CYCLE ART CENTER, GYEONGGI-DO, REPUBLIC OF KOREA**

INSTRUCTOR | FEB 2016 – MAR 2016

### **KOREA UNIVERSITY DEPARTMENT OF ARCHITECTURE, SEOUL, REPUBLIC OF KOREA**

INSTRUCTOR | JUN 2015 – NOV 2015

Teaching Photoshop and Illustrator to Korea University Architecture Department students

### **UNION OF ARCHITECTURE UNIVERSITY IN SEOUL EXHIBITION**

PROJECT DESIGNER, DIRECTOR | MAR 2015 – MAY 2015

Selected as representative of korea univ ; directing whole project as a team leader ; design the pavilion ; having Union meeting with architecture materials ; preparing construction including material searching collecting and buying; built pavilion over 2days

## Humble Life, Rich Architecture

<https://www.eunasong.com/>

## SKILLS

PHOTOSHOP	■ ■ ■ ■ ■
ILLUSTRATOR	■ ■ ■ ■ ■
INDESIGN	■ ■ ■ ■ ■
VECTORWORKS	■ ■ ■ ■ ■
AUTO CAD	■ ■ ■ ■ ■
RHINOCEROS	■ ■ ■ ■ ■
REVIT	■ ■ □ □ □
RHINO VRAY	■ ■ ■ ■ ■
RHINO-PANNELING TOOL	■ ■ ■ ■ □
T-SPLINE	■ ■ ■ ■ □
KEYSHOT	■ ■ ■ ■ □
GRASSHOPPER	■ ■ □ □ □
DIVA	■ ■ ■ □ □

## LANGUAGE

ENGLISH	FLUENT
KOREAN	NATIVE
JAPANESE	BASIC
GERMAN	BASIC

## SELECTED HONORS

**YOUNG TALENT ARCHITECTURE AWARD** Nomination(expectec announcement in 2020June) |Fundació Mies van der Rohe , Architects' Council of Europe

**EXCELLENCE AWARD (PROFESSIONAL SECTION)** inHan river walkway on nodeul island | Seoul Metropolitan Government

**LEE-JUNG-DUCK ARCHITECTURE AWARD**, Korea University, Seoul

**KOREAN ARCHITECTS ASSOCIATION AWARD**, Best graduation project

**FINALIST** in Creative Engineering Challenge, Korea University

**1ST PRIZE** in Nowon Wisteria Cultural Park renovation idea competition, Nowon-Gu, Seoul city, Republic of Korea

**1ST PRIZE** in Daejeon Metropolitan city developing, KAIST

**FINALIST** in Seoul co-resident idea competition, SH Corporation & Seoul