

CJ Wang Design Journal & Research Portfolio

Columbia Graduate School of Architecture, Planning and Preservation
in New York City
Class 2019/2020
M.S. Advanced Architectural Design

1: BENJAMIN BANNEKER

Spring 2020 / Staircase Studio
Instructor / Hilary Mary Sample

Project Summary:

The Project “Benjamin Banneker” explores the monumentality and publicity in Washington DC, questions and speculates a new typology of mix-use building. Monument, community space, residential and commercial space composite and redefine new normality. Design space is meant to accommodate the different social-economical group in the different time of the day, that result from a rich diversity of uses within the fabric of an urban environment. The project presents the opportunity to enhance the vibrancy of urban life through the synergistic use of resources and its collective memory.

2: UISAGE BEATHA

LIFE OF THE GEOPOLITICAL WATER IN SCOTLAND
Spring 2020 / William Kinne Fellows Traveling Research

Project Summary:

The intention of this project is to investigate the interdependent relationship between the Scottish distillery and its architecture and urban landscape, in response to the natural and man-made changes. Through local interviews, documentation, photography and potential on-site intervention, this research aims to critically reflect on the impact of the distilling industry on the natural and cultural change. Furthermore, it also explores how water and whiskey have contributed to dramatic and harmful changes in Scottish ecology, as well as pressures on social and cultural life.

3: NEON CITY

Fall 2019 / Seoul Bus Terminal Studio
Instructor / Richard Plunz, Hyon Woo Scott

Project Summary:

The Neon City, in our close future, questions and speculates on a new typology for the shopping mall, and opens an opportunity to explore form and space, and to interrogate the online shopping issue that has caused the death of the physical shopping mall.

4: MAMA, I’M HOME

Fall 2019 / Composite Modeling
Instructor / Jacqueline A Martinez.

Project Summary:

“Fossil Fuels are the Food of Food”

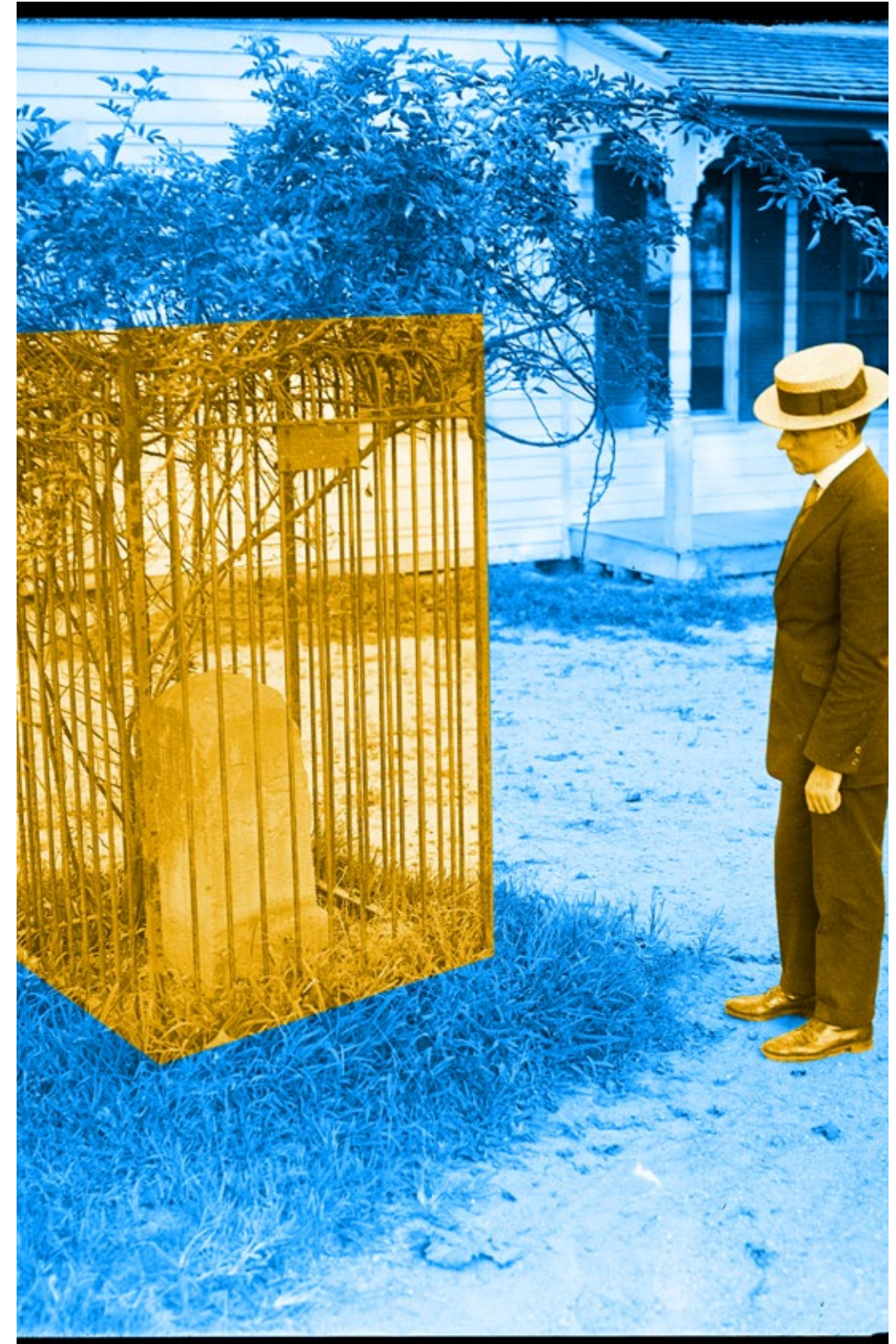
The project documented 5 weeks of urban life- plastic material, and transform them into sculpture. The Man-Made objects gradually become unrecognizable, eventually transform into its original form.

5: UNWANTED WATER

Summer 2019 / Borderline Extreme Makeovers Studio
Instructor / Nerea Calvillo.

Project Summary:

Unwanted Waters aims to protect an unwanted fish species that have been mutated by human-caused pollution resulting from the removal of an unwanted community. It also aims to revive the memory of a formerly unwanted community—the LGBTQ community—to create an environment for unwanted species that relies on the reuse of unwanted waste from the city. Through the process of burning, oyster waste is transformed into a new material—calcium dioxide—that can be cast and returned to the water to remove pollutants.

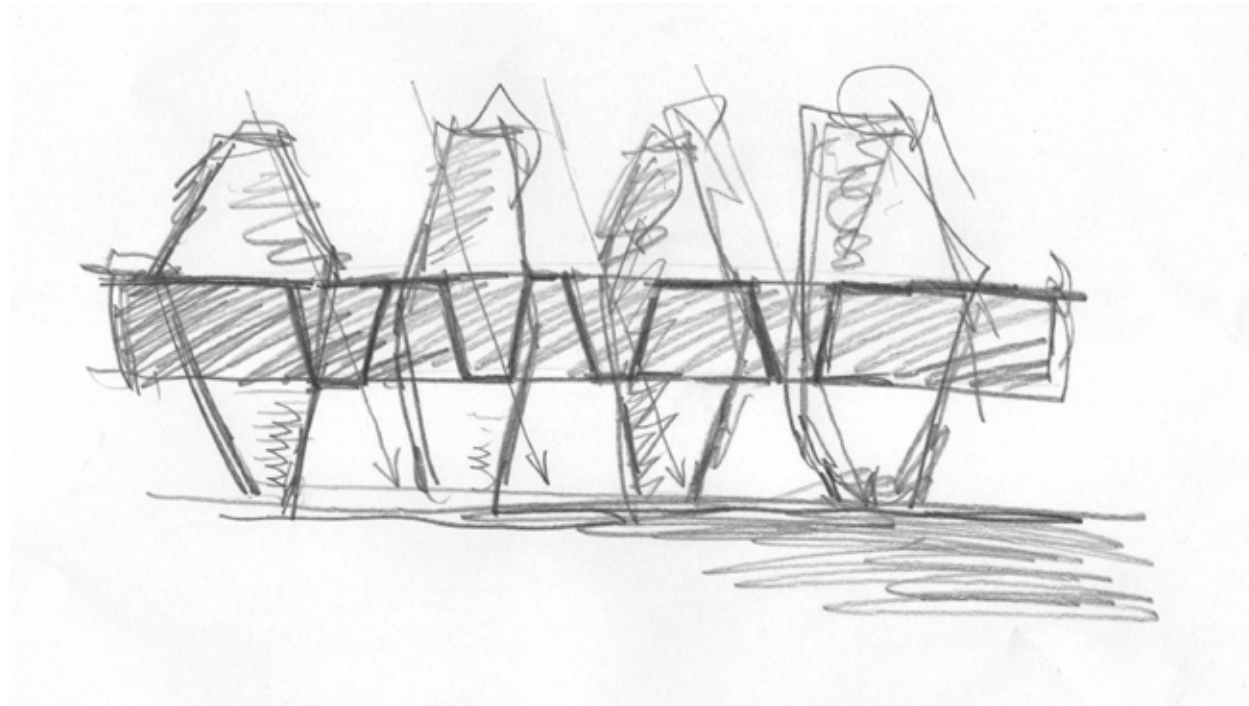


BENJAMIN BANNEKER

In memory of the boundary stone of DC, toward a new mixed-use community center.

PHOTO
left: the National Society of the Daughters of the American Revolution
Middle: Somethingoriginal
Right: U.S. Library of Congress

BOUNDARY STONE MAP OF WASHINGTON DC



STATEMENT

“It was a strange feeling, to have had an idea that was solely yours be no longer a part of your mind but totally public, no longer yours.” (Maya Lin, 2000)

The Project “Benjamin Banneker” explores the monumentality and publicity in Washington DC, questions and speculates a new typology of mix-use building. Monument, community space, residential and commercial space composite and redefine new normality.

To me, a memorial is like a stone, it’s only meaningful to certain people, when it matters, it’s can be a memory, historical significance, it can also be political importance.

Design space is meant to accommodate the different social-economical group in the different time of the day, that result from a rich diversity of uses within the fabric of an urban environment. The project presents the opportunity to enhance the vibrancy of urban life through the synergistic use of resources and its collective memory.

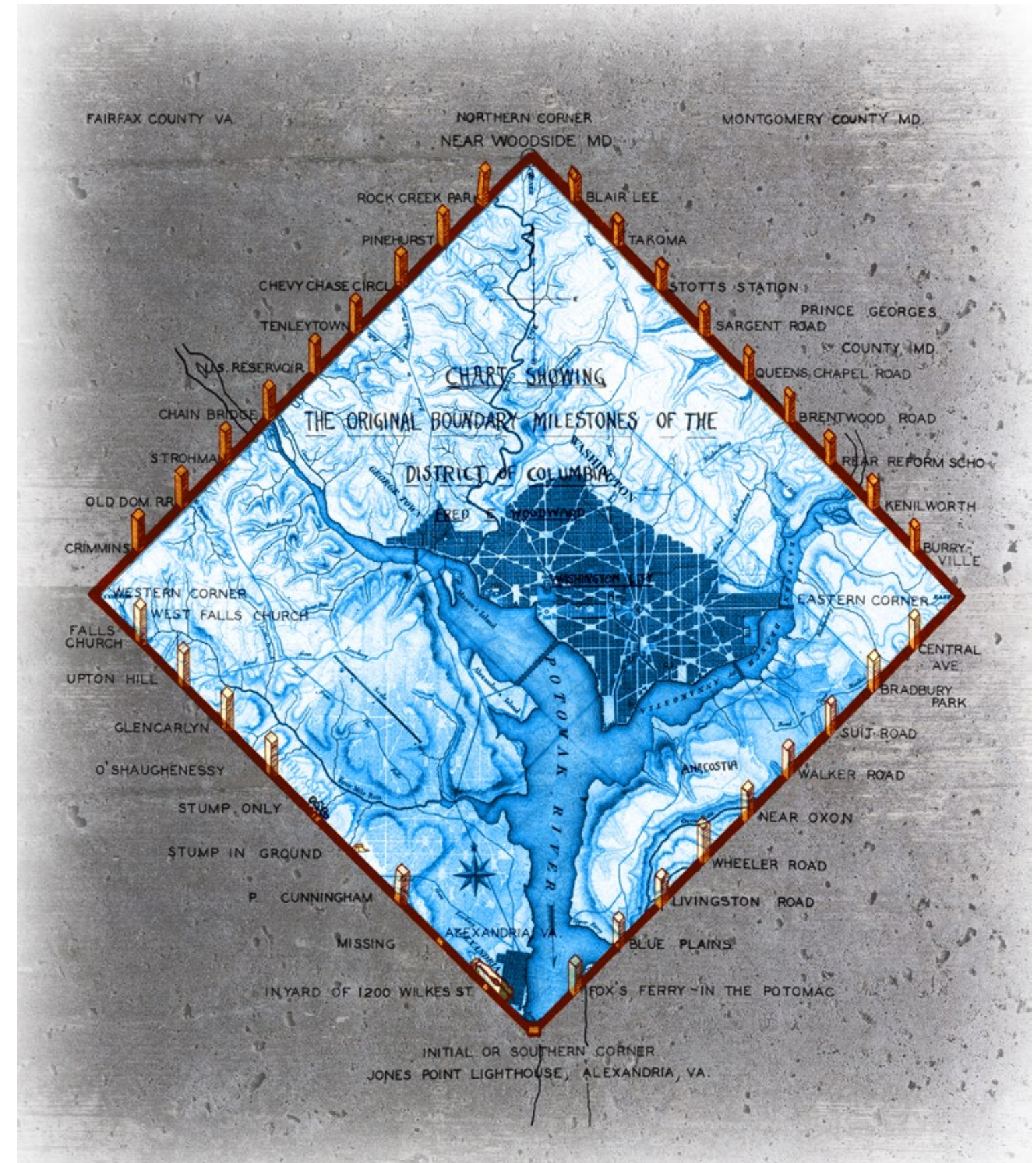


Photo: U.S. Library of Congress

STONE IN COMMUNITY / SOCIAL

BENJAMIN BANNEKER:
SW-9 INTERMEDIATE BOUNDARY STONE

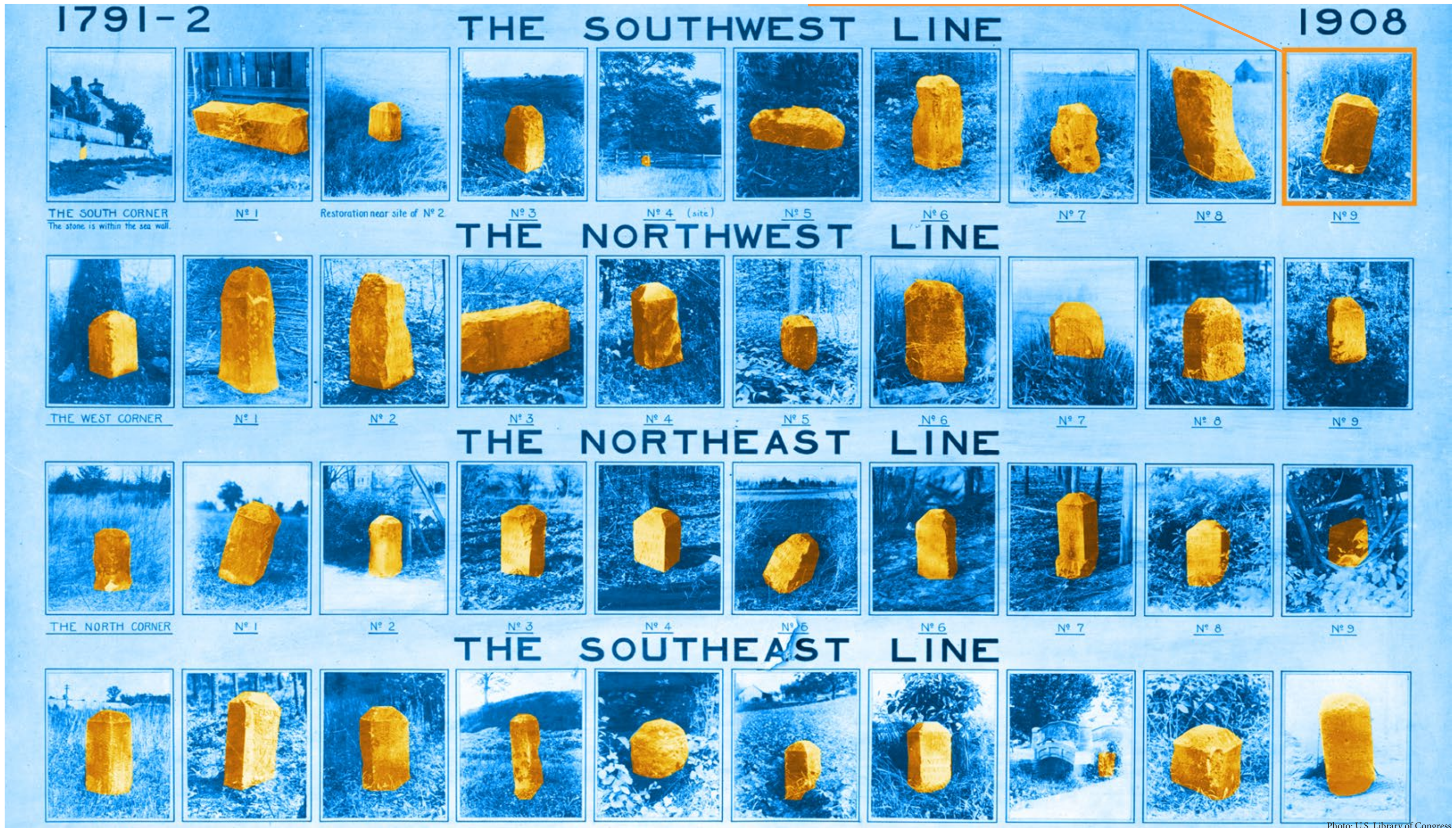
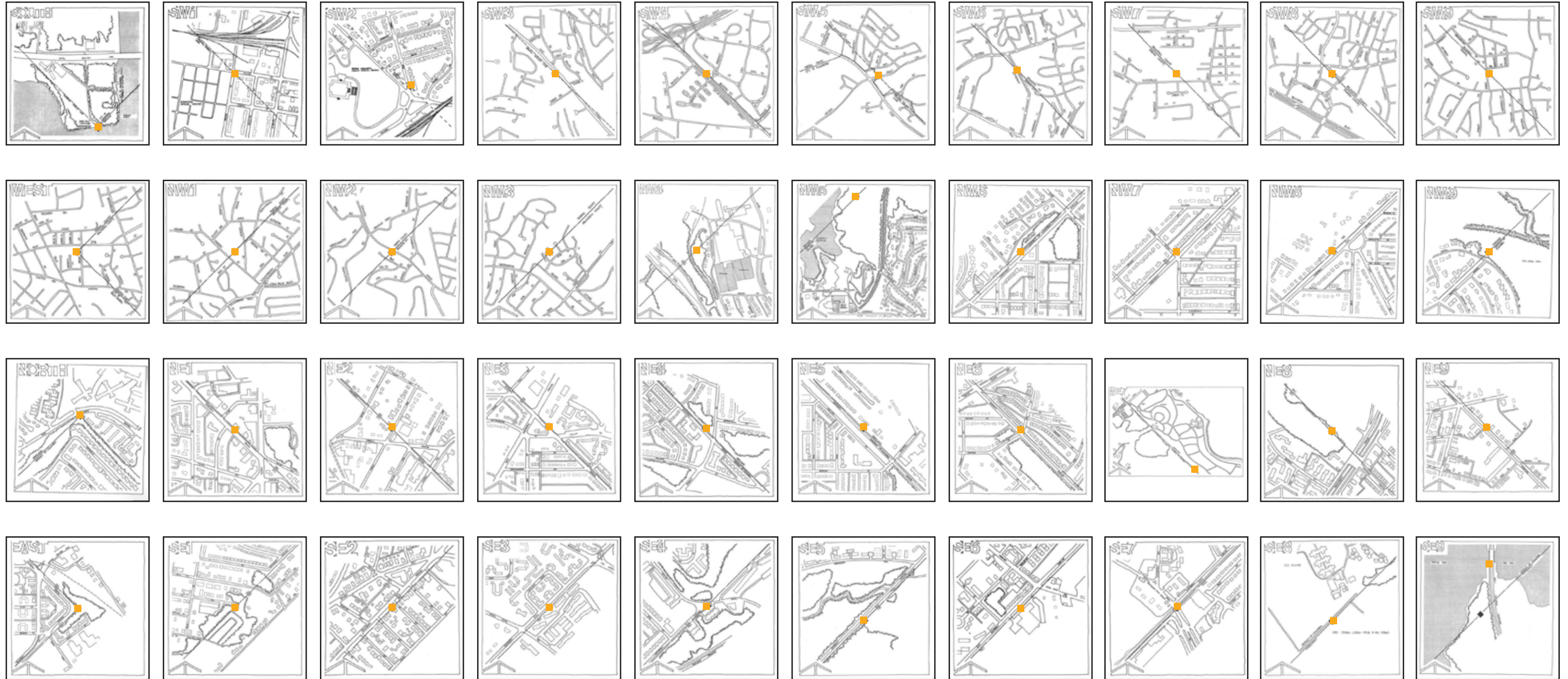
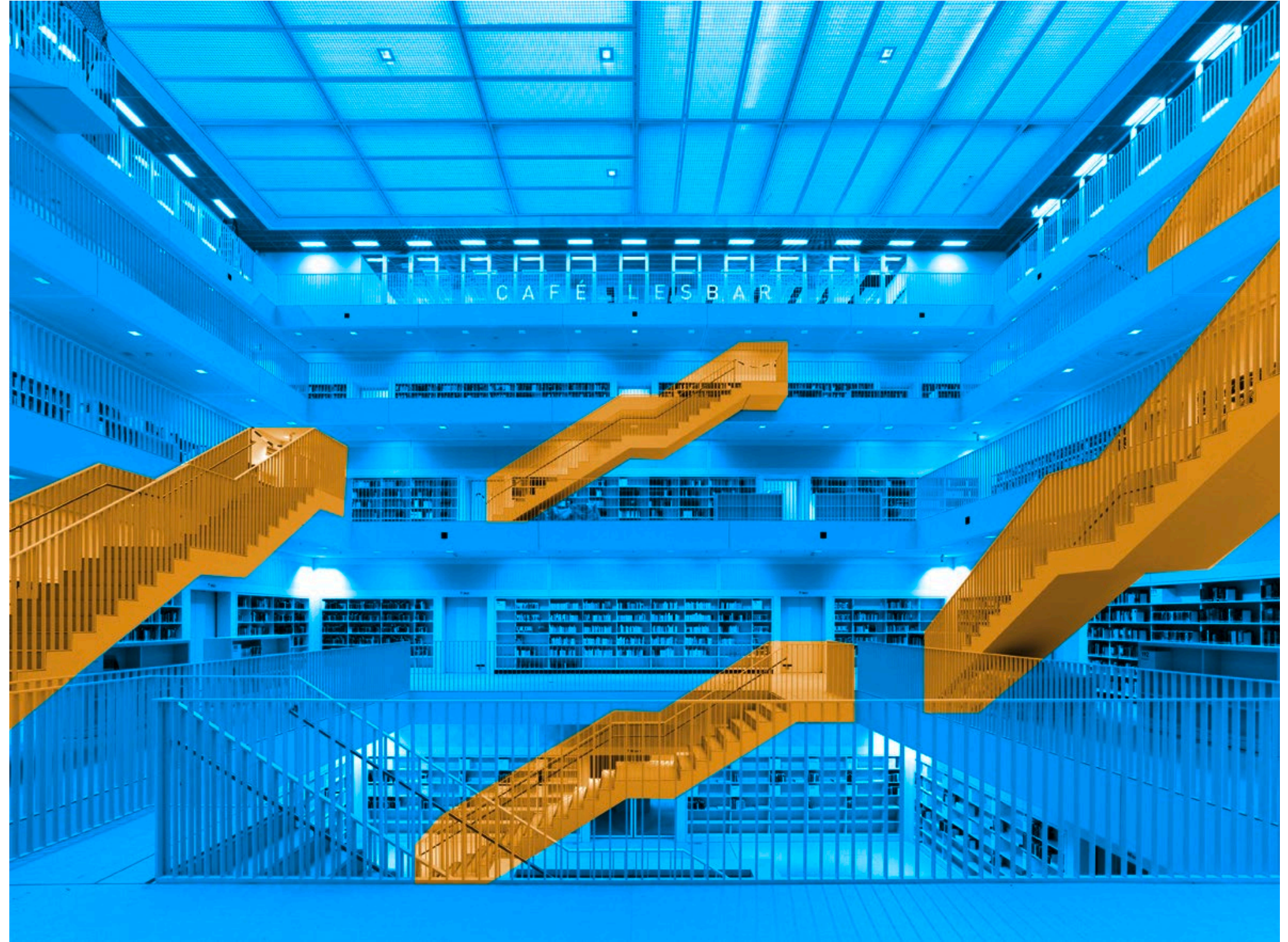
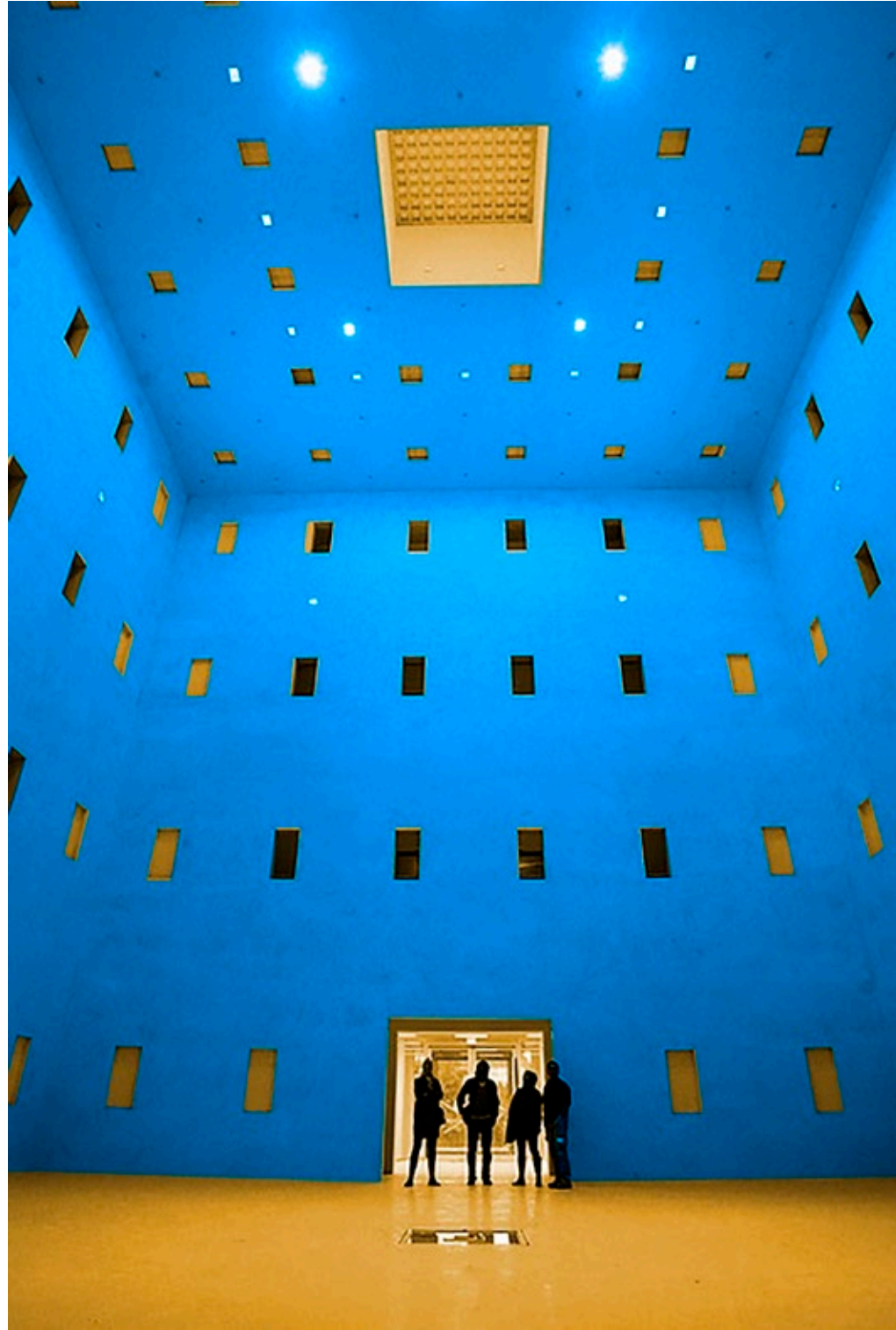


Photo: U.S. Library of Congress

COMMUNITY / SHARED MEMORY / STONE



SOCIAL - STAIRCASE - PRECEDENT CASE

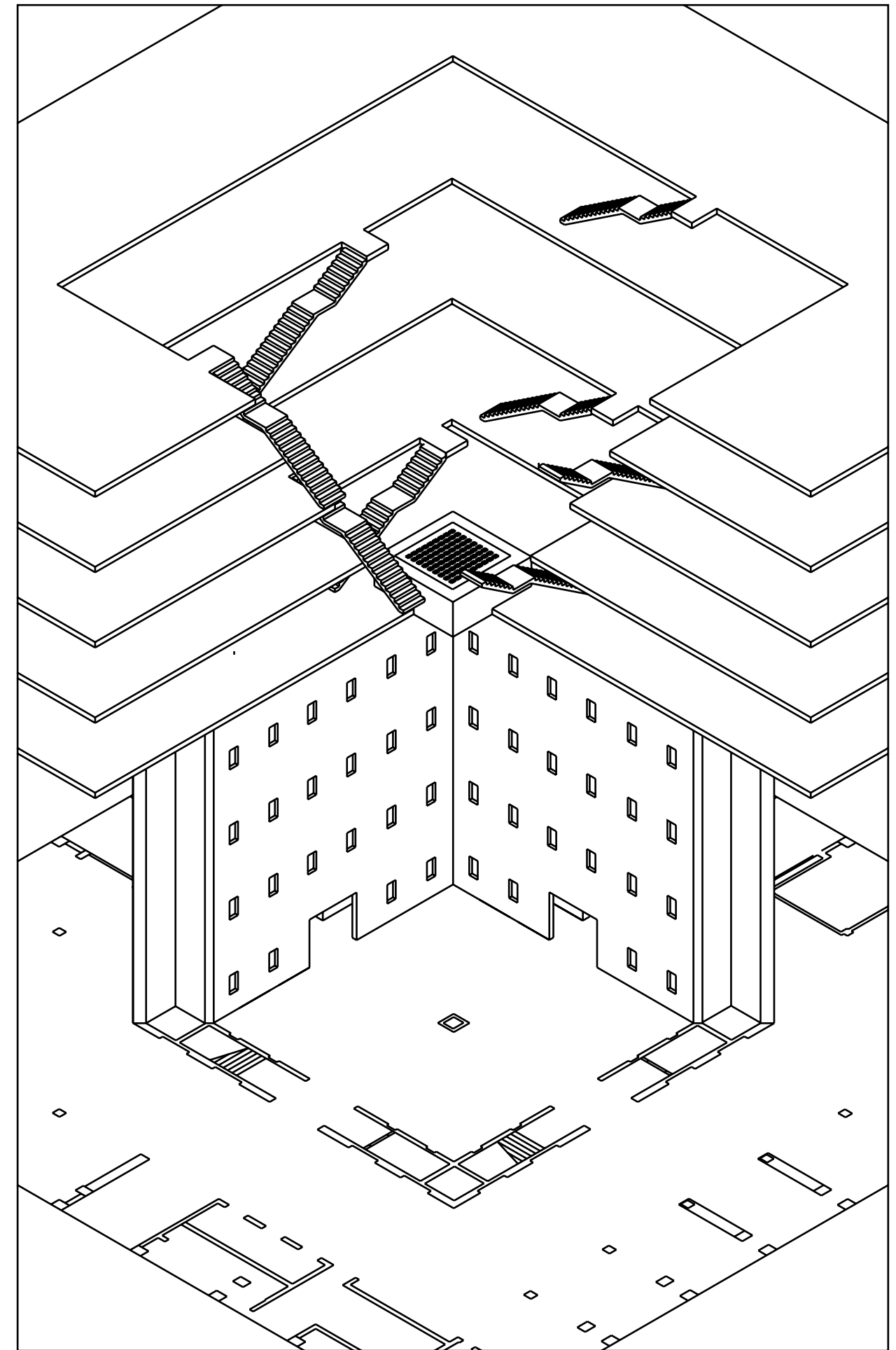


Left and right : public library stuttgart / Yi Architects / 2011

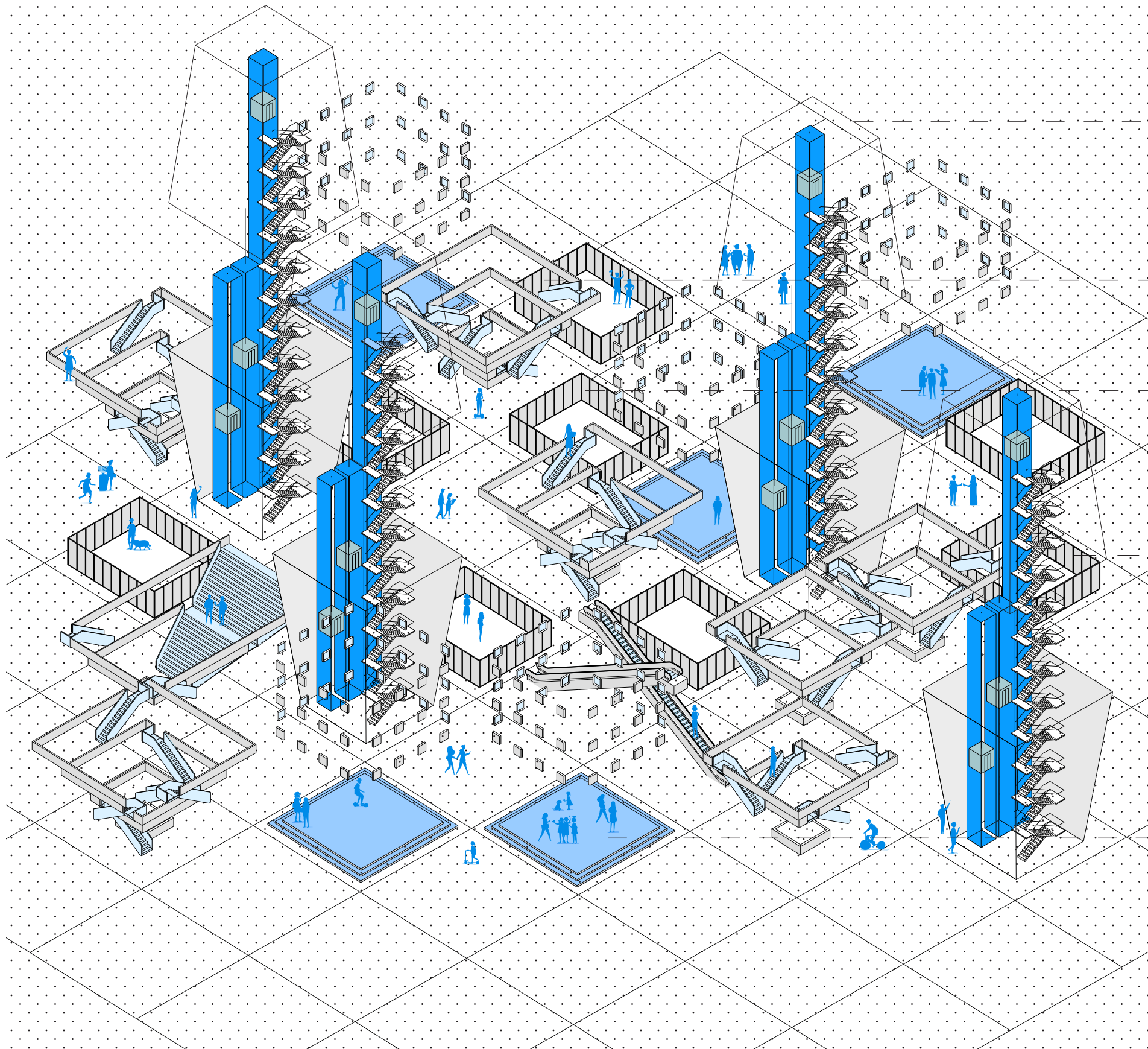
SOCIAL - STAIRCASE - PRECEDENT CASE



Left : public library stuttgart / Yi Architects / 2011
Middle : São Paulo Museum of Art / Lina Bo Bardi / 1968



DIAGRAM



PROGRAM

RESIDENTIAL
STUDIO / 1BEDRRROM
FAMILY

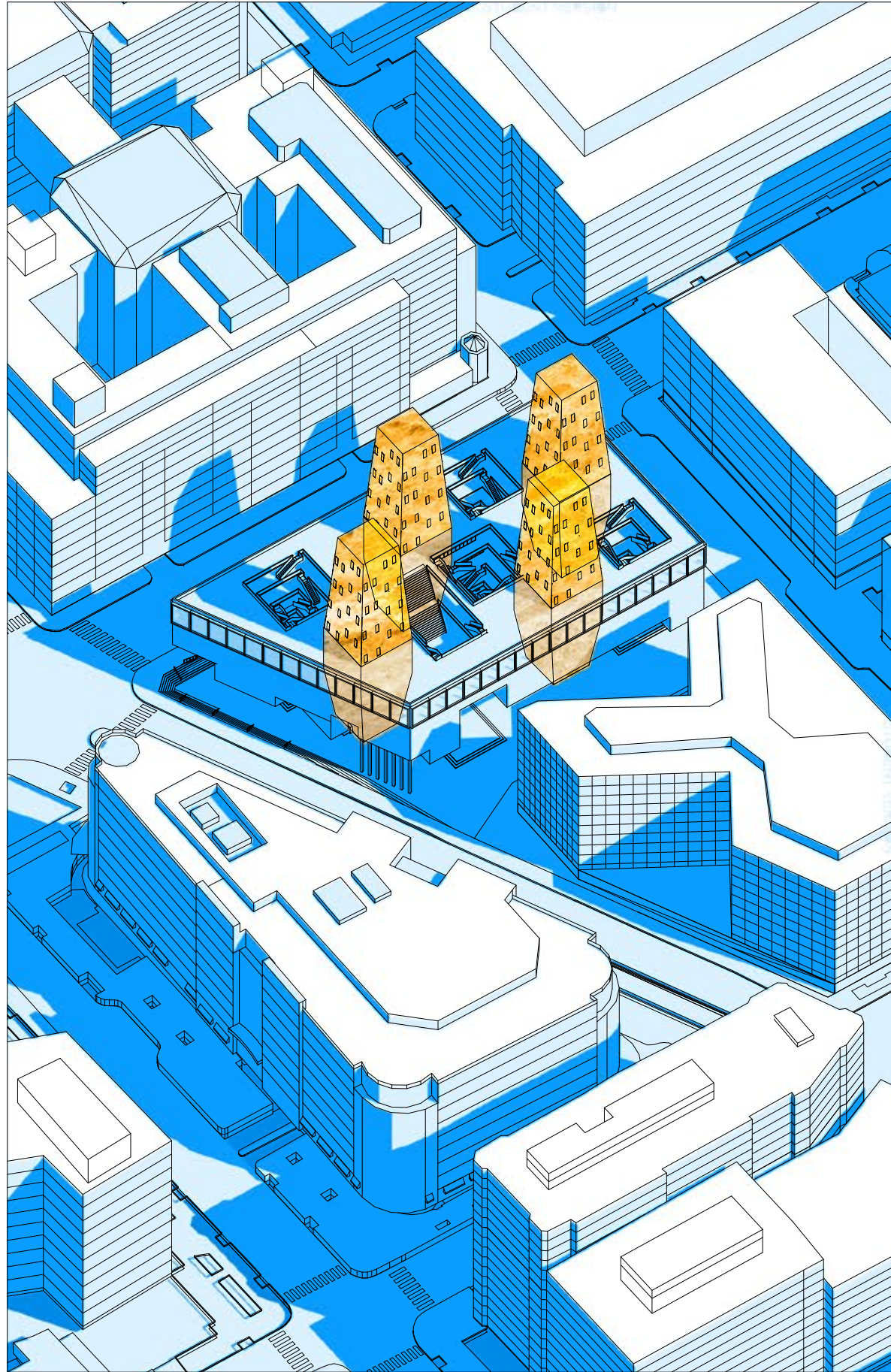
FARMERS MARKET
SHARED GARDEN

COMMERICAL
CRAFTSMANSHIP
SHOP STUDIO

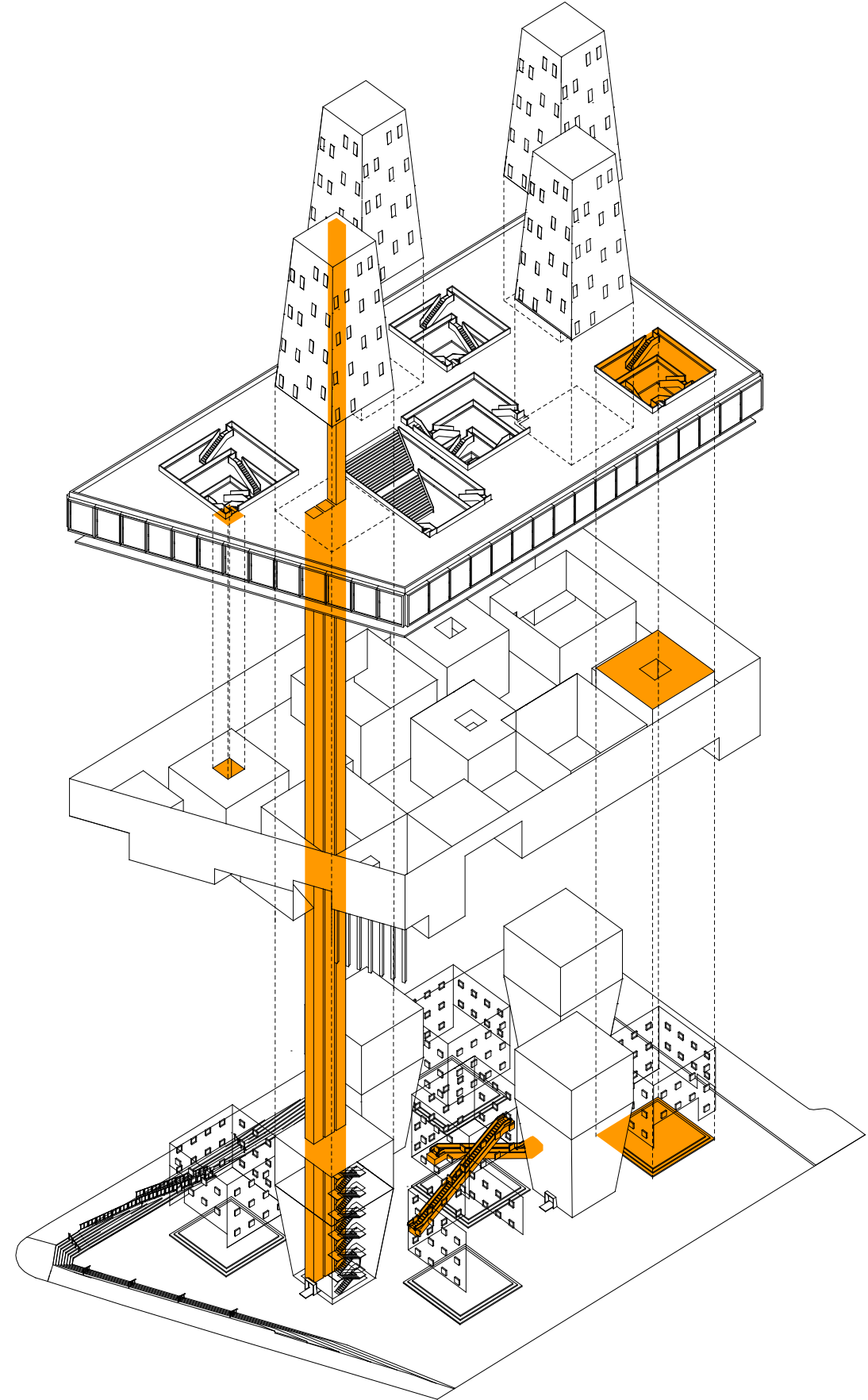
COMMUNITY SPACE
MULTI-PURPOSE CLASSROOMS
AFTERSCHOOL
PROGRAM

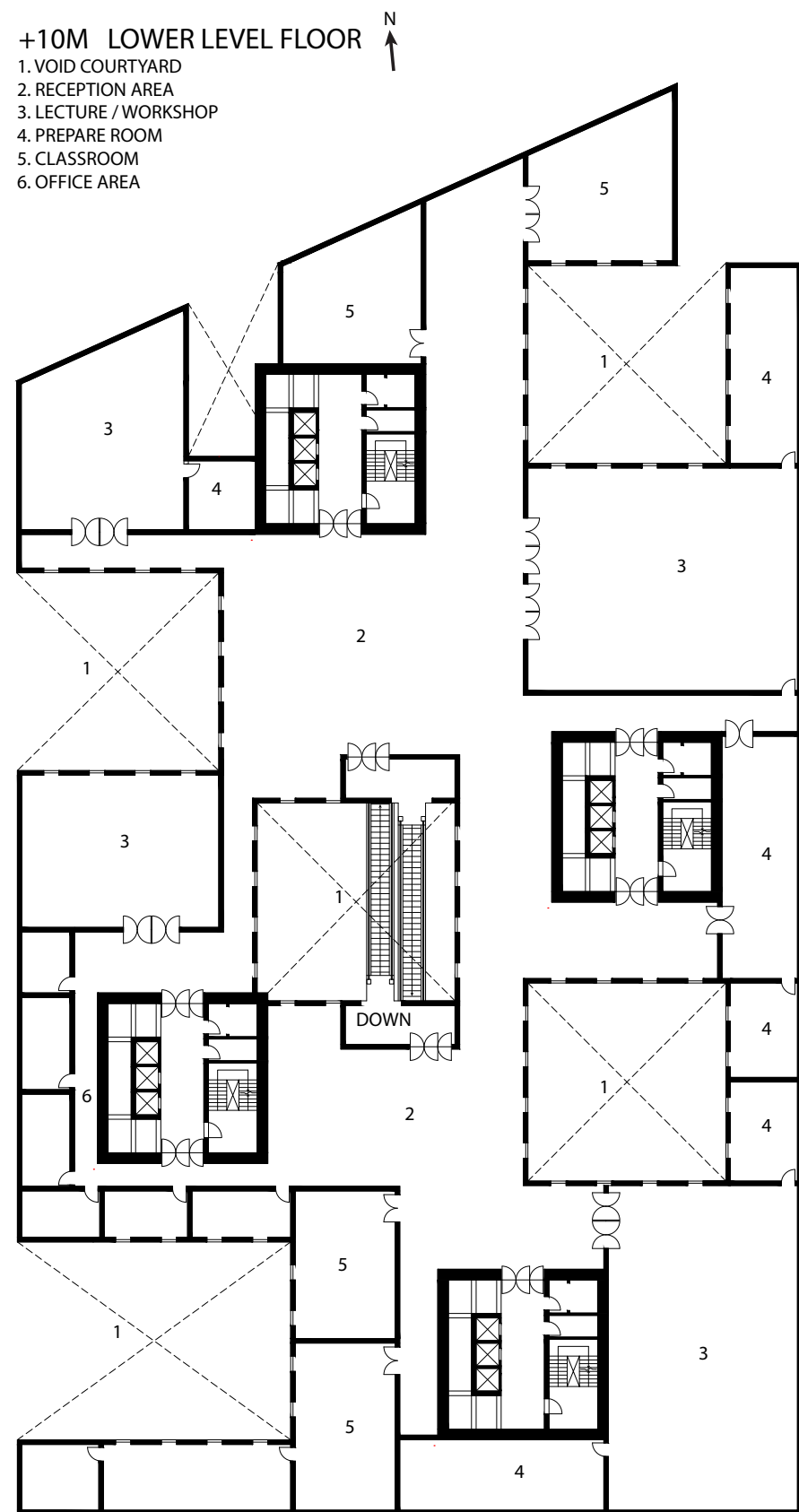
PUBLIC PLAZA
FLEA MARKET
MULTI-PURPOSE

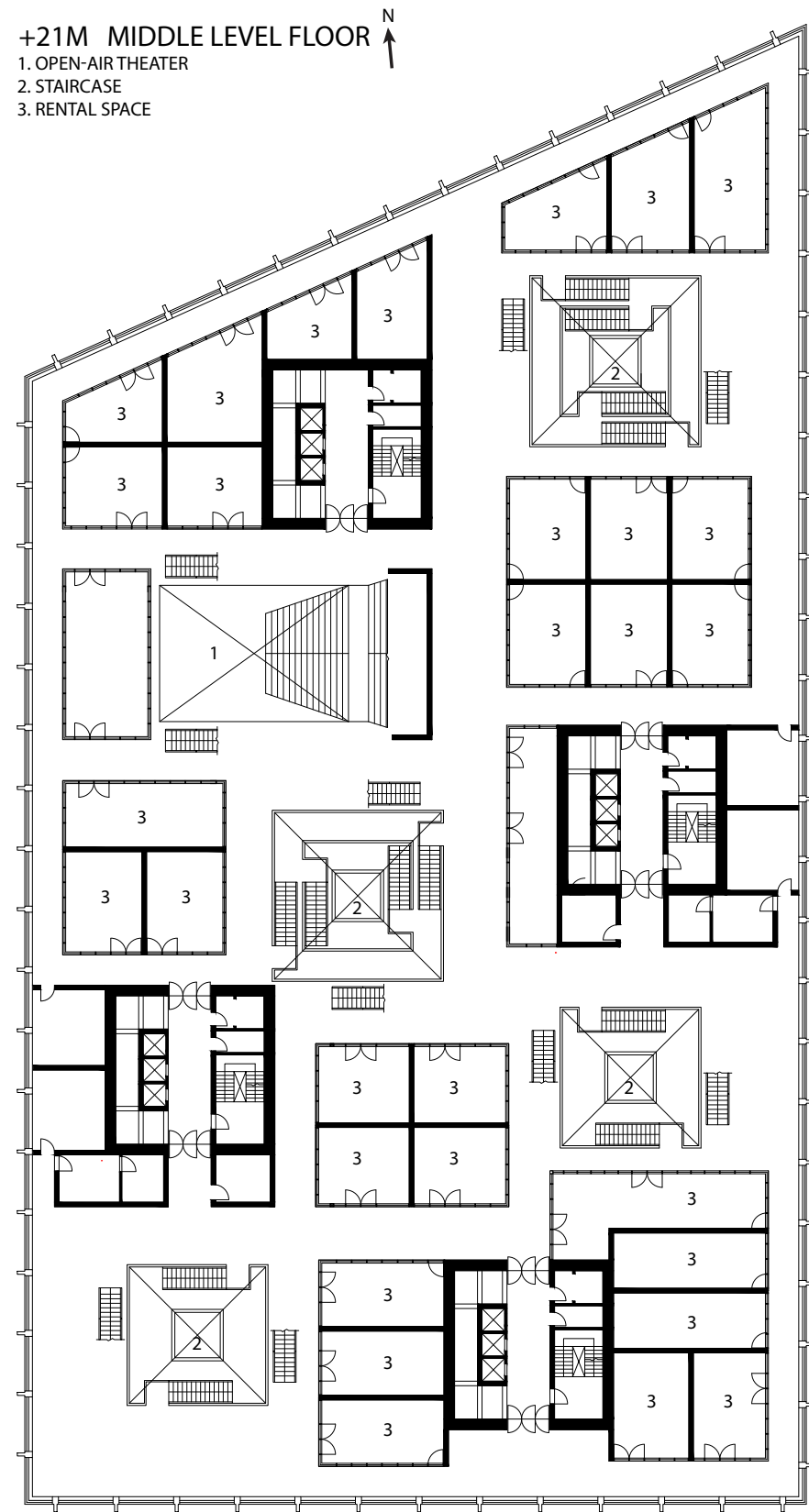
SITE AXONOMETRIC DRAWING



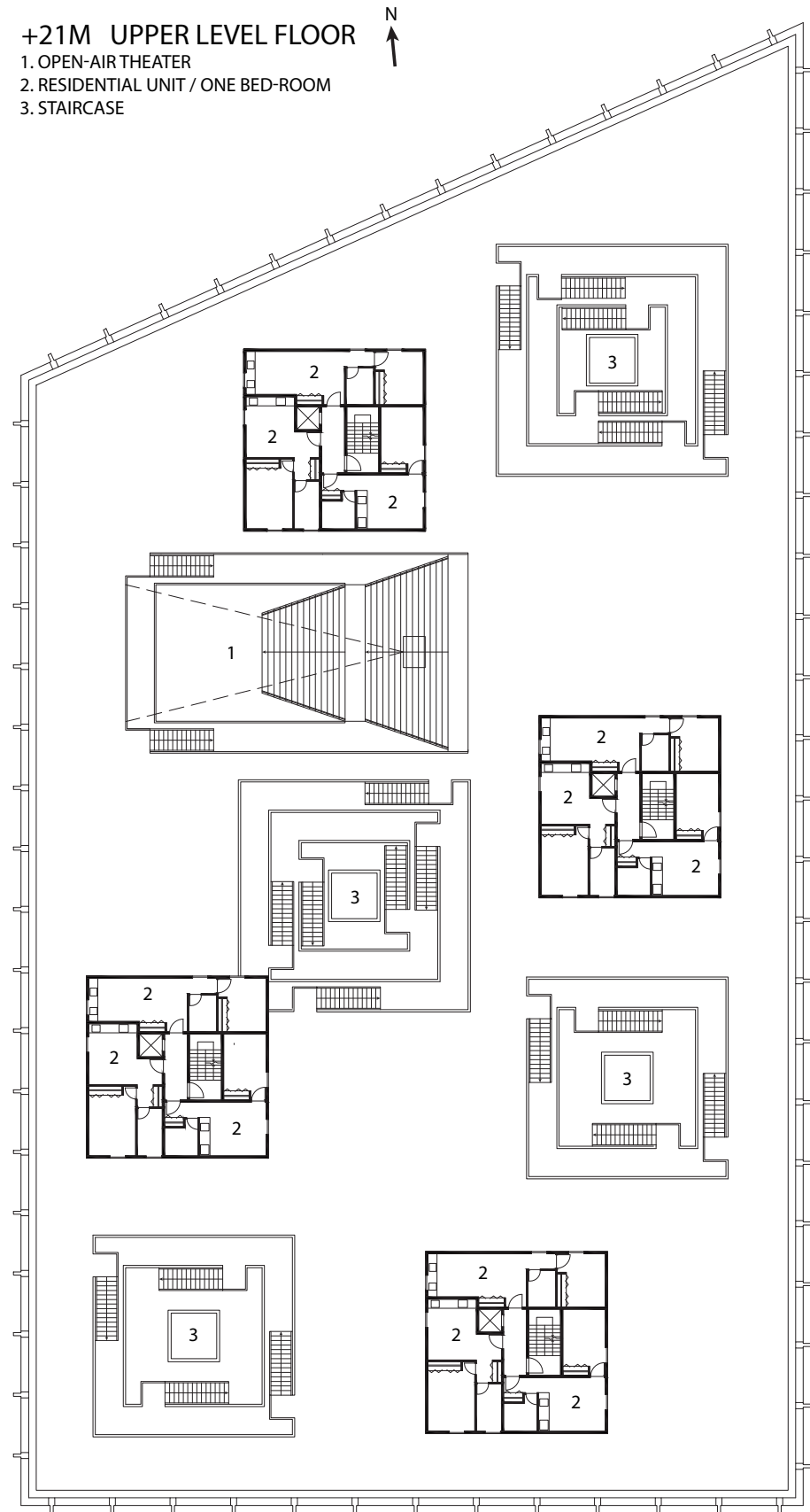
EXPLODED AXONOMETRIC DRAWING - VERTICAL MOVEMENTS



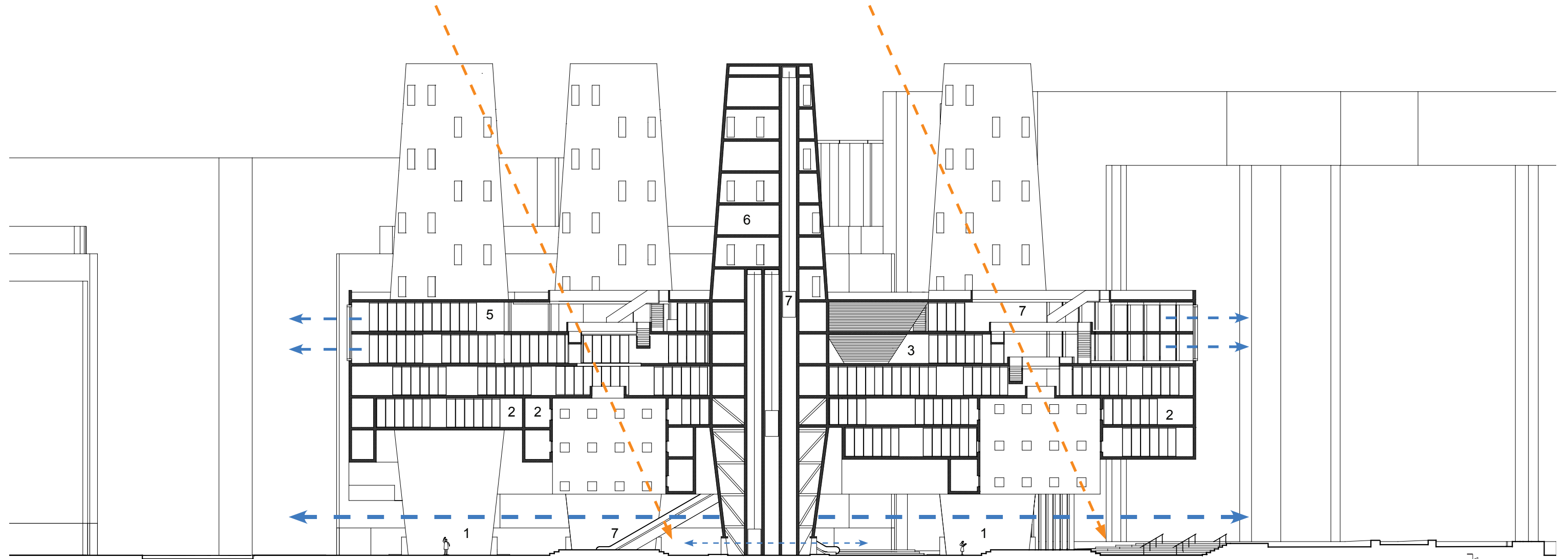




+21M UPPER LEVEL FLOOR
1. OPEN-AIR THEATER
2. RESIDENTIAL UNIT / ONE BED-ROOM
3. STAIRCASE

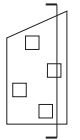


SECTION DRAWING

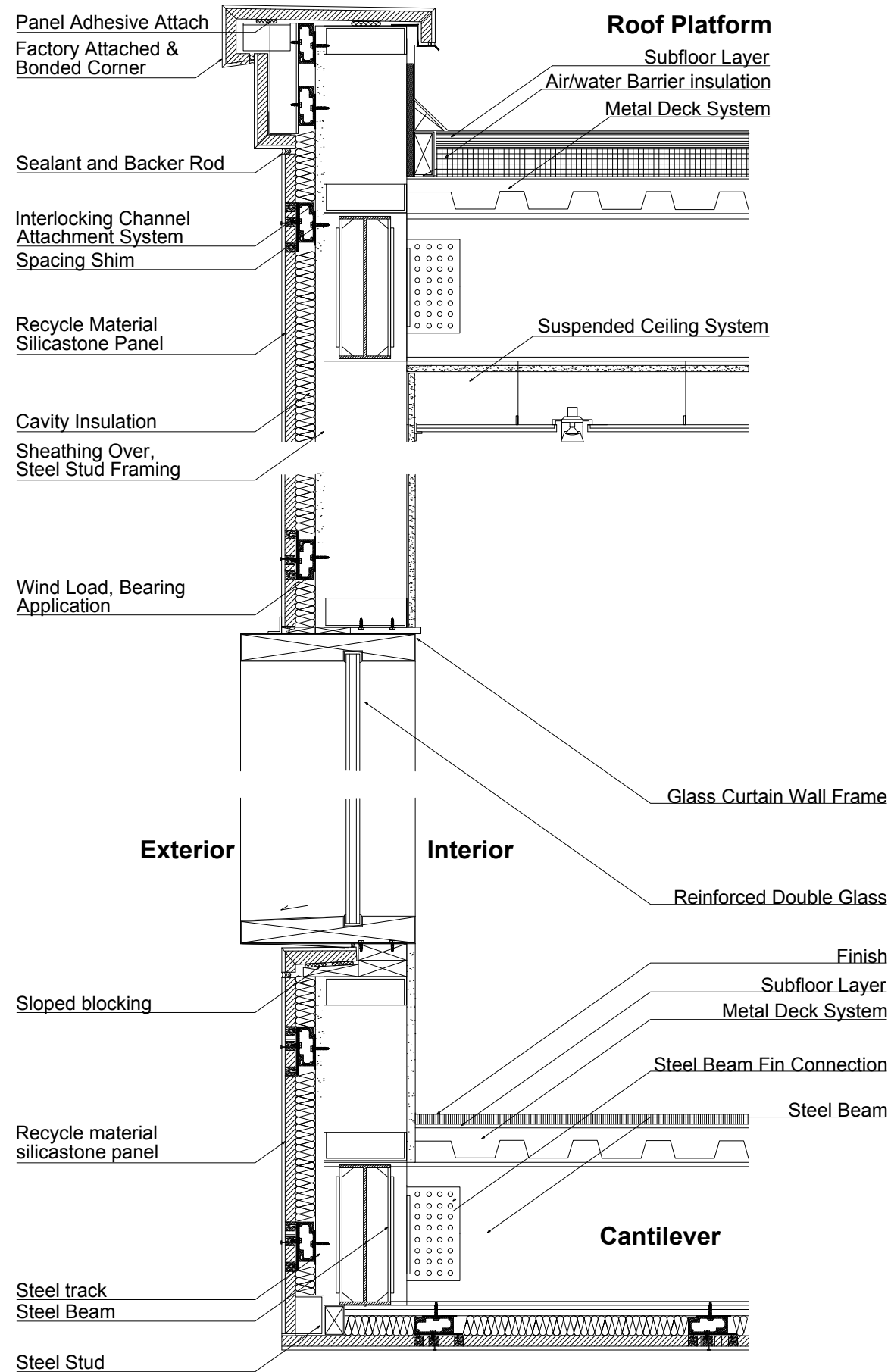


CROSS SECTION DRAWING

- 1. GROUND FLOOR PLAZA
- 2. COMMUNITY SPACE/CLASSROOM
- 3. STAIR THEATER
- 4. STAIRWELL SPACE
- 5. COMMERCIAL SPACE
- 6. RESIDENTIAL
- 7. VERTICAL TRANSPORTATION



WALL SECTION DETAIL



MULTI-FUNCTION SPACE DURING THE NATIONAL PANDEMIC.

SILICASTONE

STONE / BRICK / CERAMIC / GLASS

NEVER LESS THAN 98% RECYCLED MATERIALS.

Silicastone is a unique recycled surface material available in both tiles and solid surfaces. It contains no resins, cement, or chemical bonding agents. Is 100% UV stable and 100% frost resistant. By its very nature, every piece of Silicastone is unique and no two surfaces are ever quite the same.



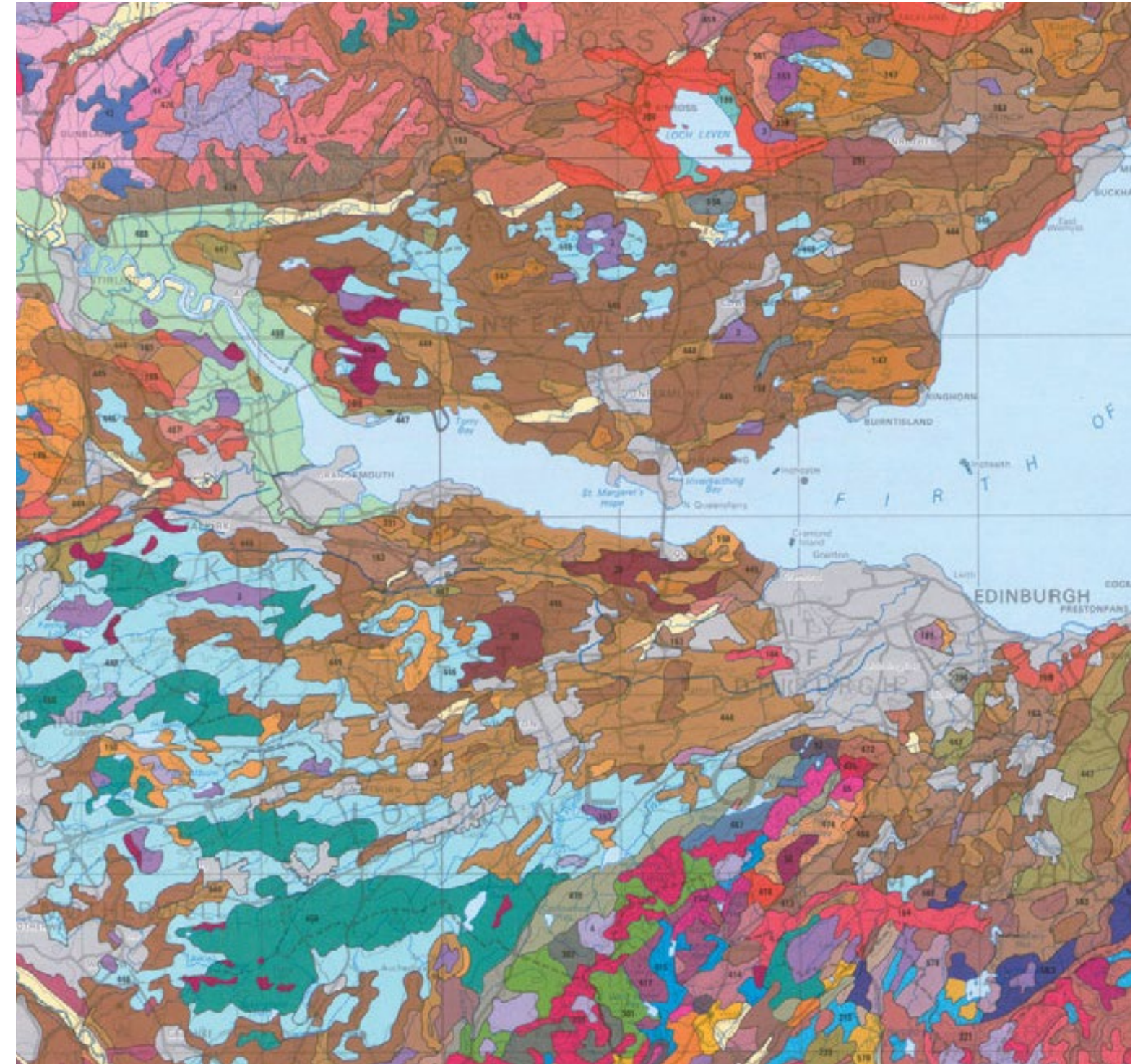
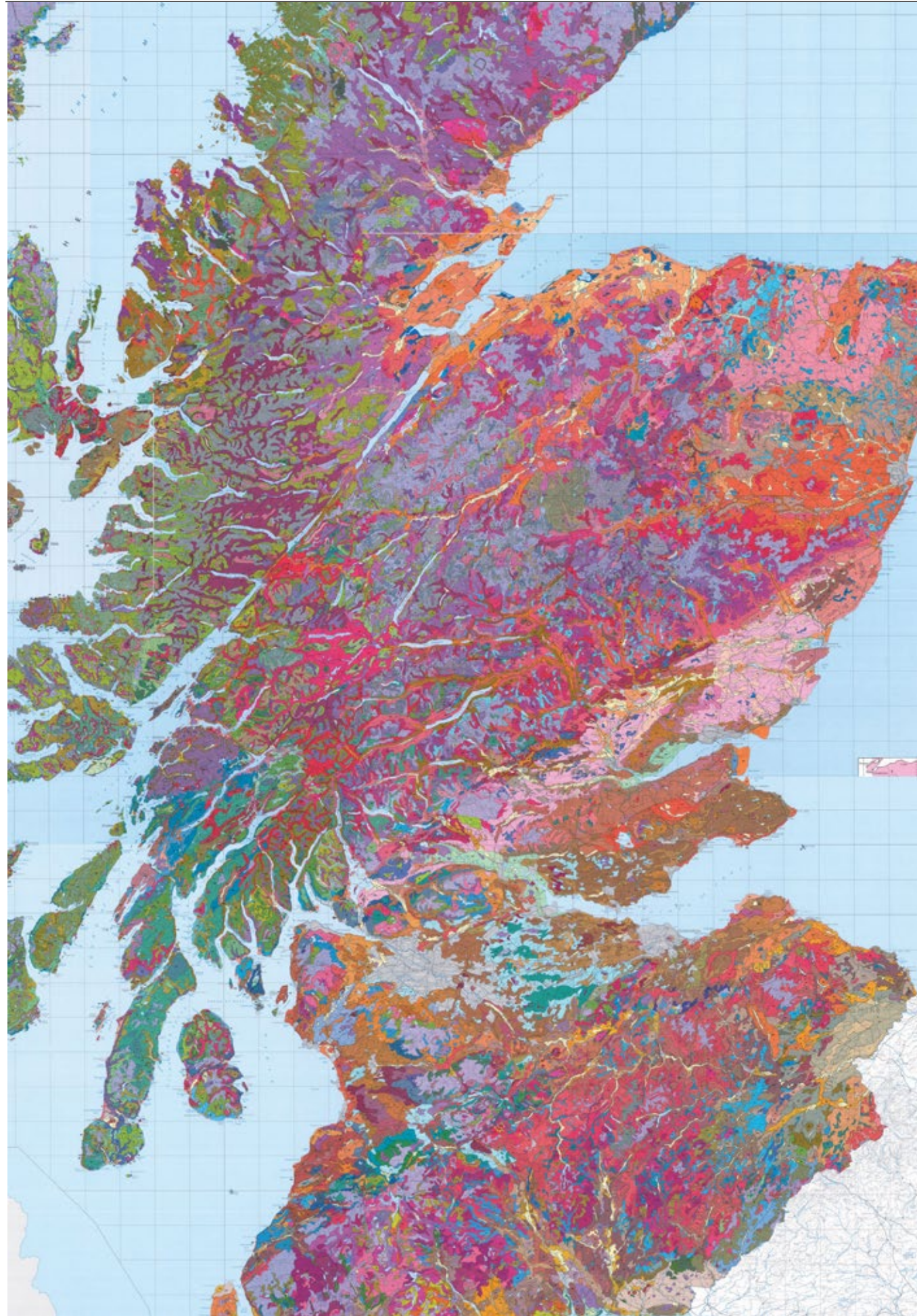
Photo: Alusid





UISAGE BEATHATLAND

Life of the Geopolitical Water in Scotland
William Kinne Fellows Traveling Research



(Soils Maps of Scotland, The James Hutton Institute & Soils Environment Government, 1982)
 Over the last 50 years, the principal purposes behind the mapping of Scotland's natural soil and peat resources have evolved to reflect changing societal demands and practice. These geographical differences reflect individually to Scottish architecture and urban development.



1. WATER RECOURSE/DROUGHT/CLIMATE CHANGE

An apocalyptic vision of a country devastated by the climate crisis has been painted by Scotland's nature conservation . From eroded peatland, polluted river and wildfire caused by drought. These extreme situations are warning signals of endanger the Scottish culture; Scottish-whiskey.

Highland Scotland has a long history of distilleries, one that has become deeply embedded within the island's culture. The harsh landscape was tamed by coastal dwellers with the transformation of barley into the golden liquid. have revealed that the recent years of heatwave and drought had endangered the production, simply they ran out of water. In a summer marked by high temperatures and little rainfall, water levels in springs and rivers fell so low that in the Scottish Highlands some whiskey makers missed up to a month's production. "the river is running 97% lower than its normal" resident from Spey says.

The water environment is of prime importance for the production of Scotch whiskey: without adequate supplies of pure clean water, the whole distilling industry could not survive. Climate projections for the next century indicate that the climate trends observed over the last century will continue and intensify over the coming decades. A proposal from the suggesting action has to accelerate, the act sets out how Scotland can achieve its target of 66 % emissions reductions relative to the 1990 baseline, for the period 2018-2032. Even with such an ambitious goal, many distilleries are suffering from a lack of water and soil environmental change. During the last hundred years, there are 46 distilleries been closed, abandoned and bankrupt. It is very difficult to assert these changes are directly due to extreme climate change.

Top-left: (Drought and flooding can happen at the same time, a family evacuated from the house, near Whitstable UK. photo: Popperfoto)
 Top-right: That ancient "dirt" from the grounds is processed into a high-class luxury drink. (A large-scale peat excavated site, Scotland, photo: Dennis Minty)
 Bottom-right: (Scottish black gold landscaping on the field, Scotland, photo: Billy Horan)



2. PEAT MINING / A TASTE OF THE SOIL

"Peat plays an essential role in Scotch whiskey production by providing distinctive flavors...from different peat sources," says Graeme Littlejohn, deputy director, . For example, Iodine. Coal tar. Asphalt. Bacon fat. Brine. Tarry rope. Soot. Campfire ash. Seaweed. Creosote. These are some signature flavors of peated whiskey. The industry employed peat fires during malting to dry barley or other grains, imparting the distinctive flavor.



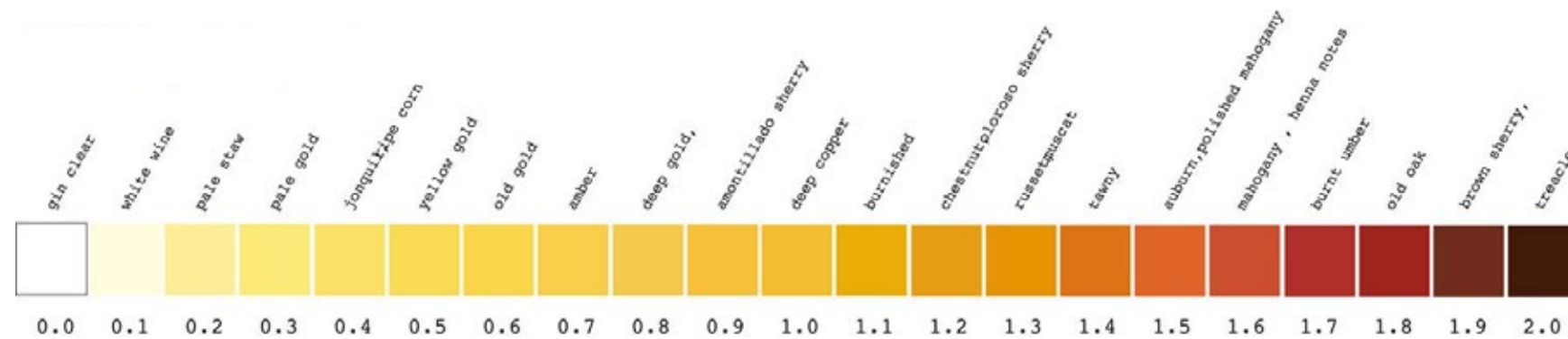
Mining peat is very contradictory, the process of that requires a pristine environment but deteriorates it. To aging a good whiskey might take several years, but a peated whiskey perhaps can take centuries at least, often millennia. Peat, existing in the area of subtropics and polar climate, is made up of millions of plants that subsided into an ancient marsh, sometimes stemming back to the end of the last Ice Age. This organic dead plant is compressed, and partially decayed. The water creates hypoxic conditions (lack of oxygen) which halting the plants' decay and thereby locking in massive amounts of carbon. Unfortunately, when digging out the ancient peat, tons of carbon is lost both directly into the atmosphere as greenhouse gases and eroded into our rivers and streams. Globally, peatlands hold more than twice as much carbon as the world's forests do, according to the . These commercial uses have destroyed 80 percent of the UK's peatlands, which can be restored to health by rewetting them, but only takes thousands of years.

Peat Cutting. The operation of peat cutting is normally performed in spring or summer, and is preceded by draining of the bog, then the removal of the coarse undecomposed vegetable surface matter. The soft peats thus cut (roughly 12'x8'x4') are conveyed to some nearby place where they are set up on end in little stacks to dry. Ironically, this engages hard female labour in the wild harvesting the peat is used to make the drink mainly for males' leisure, and further to export to other countries.

3. SCOTTISH WHISKEY/ MADE IN SCOTLAND?

, only the recognized 133 Scotch whiskey distilleries operating in Scotland is true Scottish Whiskey. It has to be distilled at a distillery in Scotland from water and malted barley. it has to be been matured only in oak casks of a capacity not exceeding 700 liters. It has to be matured only in Scotland. It has to be matured only in an excise warehouse or a permitted place. It has to be matured for a period of not less than three years. It cannot add any substance besides plain caramel coloring; or water and plain caramel coloring.

Under the restricted rule, a whiskey made in Scotland should be the most authentic and Scottish drinks. However, because the globalization, the name of "Scottish" is nothing more, but a soulless puppet. White oak wood from the US. Barley from Europe and Canada. Cork from Portugal. M-strain Yeast from German. Investors from French and China. All these facts are suggesting that we need to rethink the birthright of each bottle of single malt whiskey. Not only from an ecological and environmental perspective, but also question what does Scottish means.



Left: (The color chart of coloring)
 Top-right: (New Inventions of Modern Times, Distillation, photo: Cultural Archive)
 Bottom-left: (Female labor working on the peat drying yard, Scotland, photo: Maurer)



4. SCOTCH WHISKY INDUSTRY IS SYNONYMOUS WITH THE PRISTINE SCOTTISH ENVIRONMENT

Despite burning the peat brick has significant flavor impact on the barley, there are subtleties to appreciate and smoky nuances to observe from the whiskey in the glass. “Based on our experience tasting Scottish single malts using peat from different geographic locations it seems likely there will be a taste difference. What that difference will be is still to be discovered” Turns out certain whiskeys can be colored for visual adjustment. Among the most commonly, and controversially, colored Scotch. Such an adjustment is merely to meet customers’ desires, which often means the deeper of the color hence the more expensive.

Though there is good reason E150a is known as “caramel” coloring. It basically comes from burning carbohydrates, it is then adding to the blending. Therefore, a two thousand worthy bottle of whiskey may contain the same amount of artificial coloring in a can of coca-cola. It’s what the Alcohol Tobacco Tax and Trade Bureau refers to as a “harmless coloring, flavoring, or blending materials” The colors range from pale straw to yellow gold, from the amber color to deep gold, from deep copper to russet color. Color from burnt umber to treacle. Next to water, E150a is the only substance legally allowed to be added to Scotch. These artificial colors added into the drink might not only reflect on the quality and price, but also the natural environment.

The northern highland describes the most remote part of Scotland and it includes all mainland areas north of Loch Ness. The western and Eastern highland takes their names from their respective Scottish coasts south of the Loch, with central and Speyside between them. The islands, gathered along Scotlands west and north coasts, are known for their rugged, storm-lashed landscape with pounding seas and harsh climates, producing what may be the most welcome single-malt drinking environment of all. With the exception of the southernmost distillery, Tomatin, all northern Highland distilleries are coastal. The region’s reputation reflects this, typically offering mellow, full flavors and a briny influence.

The project that tells a unique narrative as the main protagonists, the distilleries space as a medium to explore architectural and urban space, parallel to the geographical, cultural, environmental situation existing in Scotland. It also explores how water and whiskey have contributed to dramatic and harmful changes in Scottish ecology, as well as pressures on social and cultural life.

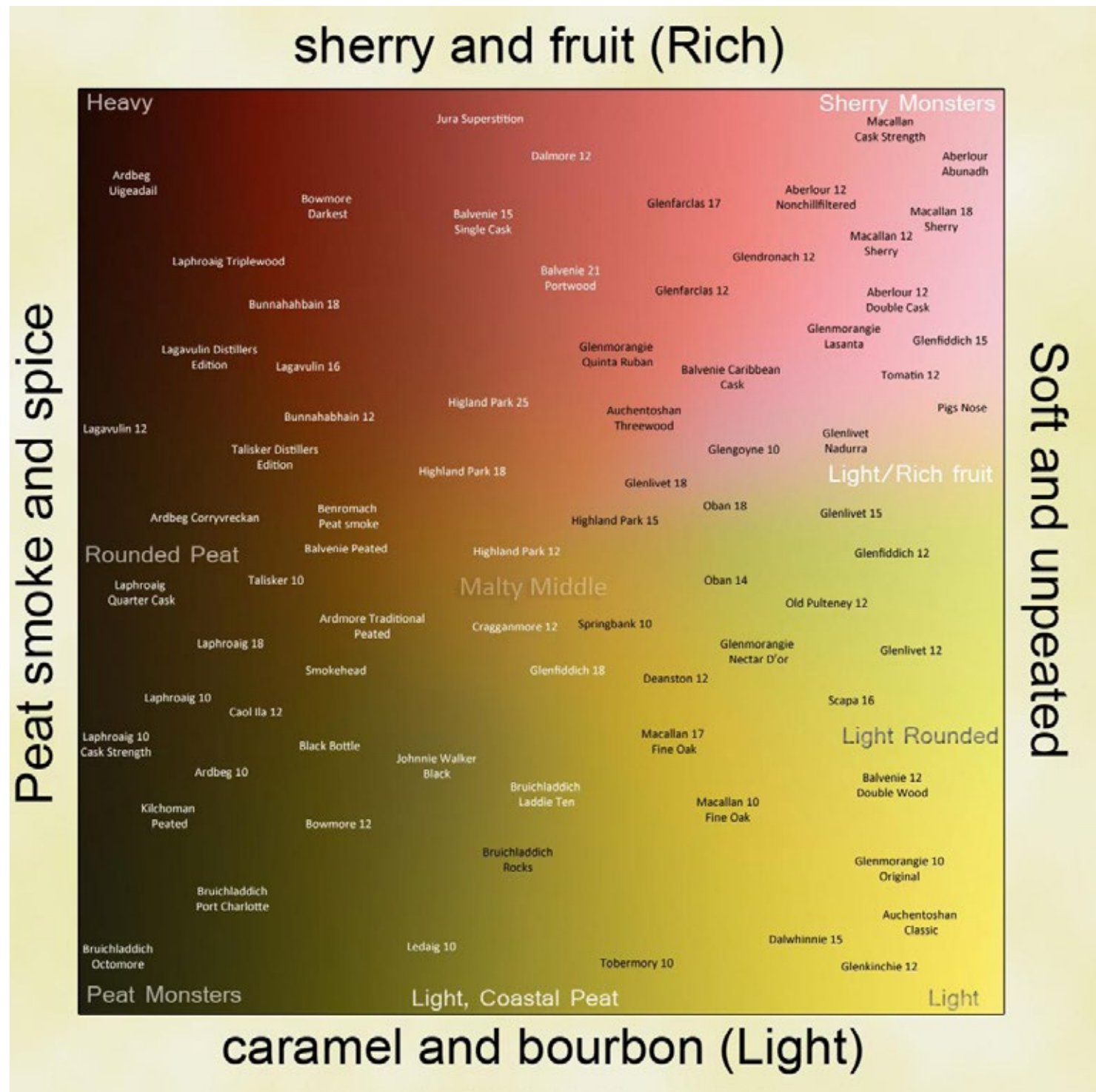
- The search project will include extensive mapping and analysis that rethink modes of urban ecology and water systems by looking at human and other-than-human networks. It will create a comprehensively better understanding of the interdependent relationship between the Scottish distillery and natural landscape, thus benefit to the public and architect.

- The project will try to identify multiple sites in Scotland that will serve as a base to develop a series of potential architectural interventions for the project.

- Working on various locations and multiple scales, the research will have to create an all-encompassing set of interdisciplinary design tools to convey the agenda through specific investigation. These include drawing, mapping, audiovisual materials, photos, interview incorporating digital platforms and social media.

- The research trip can act as a base to the project, and becomes a place for the critical transformation of aspects of research knowledge and practice. First-hand interviews with the local distillery and environmental experts are crucial, which would serve profoundly to the end product and documentation.

- Field trip possibly will be taking place after summer base on government policy.



caramel and bourbon (Light)

(The flavor chart and color, image: Reddit)



Photo Collage of Neon Light from Field Trip Research, photo: CJ

NEON CITY

In memory of the boundary stone of DC, toward a new mixed-use community center.

PHOTO

left: the National Society of the Daughters of the American Revolution

Middle: Somethingoriginal

Right: U.S. Library of Congress

The Neon City, in our close future, questions and speculates on a new typology for the shopping mall six decades after the world's first shopping mall was invented in northern Sweden in 1955. That project pioneered the architectural typology of the shopping mall as we all know it, although now the internet and online shopping have entirely changed our shopping behavior. Secondly, that project discovered feminism in architecture. If a public space is analogous to a human body, to what extent can that space be differentiated from other places, and hence raising the gender discrimination and normative patriarchy issues within society.

Spaces to enhance the shopping experience and enlarge the advertising area on the facades always exist in the context of urban space. An enormous and immersive shopping space that references the biggest shopping mall in the U.S., the "Mall of America" in Minnesota opened 1992, comprising 2,869,000 square feet. In contrast, the Seoul express terminal site is 726,000 square feet or approximately a quarter of the Mall of America.

Nevertheless, the shopping is not always crowded as your imagination; it can be much less crowded. Millions of books are sold by online shopping, including electronic format, google books, amazon prime books, kindle, ...etc. Clothing and fashion merchandise are ordered on the smart phone, delivery to your address in one day, such that advertising board and shopping windows are decreasing. The experience of online shopping is also becoming similar to the experience of a physical shop, starting with target shopping, but ending up with buying the item next to it, or even, something more.



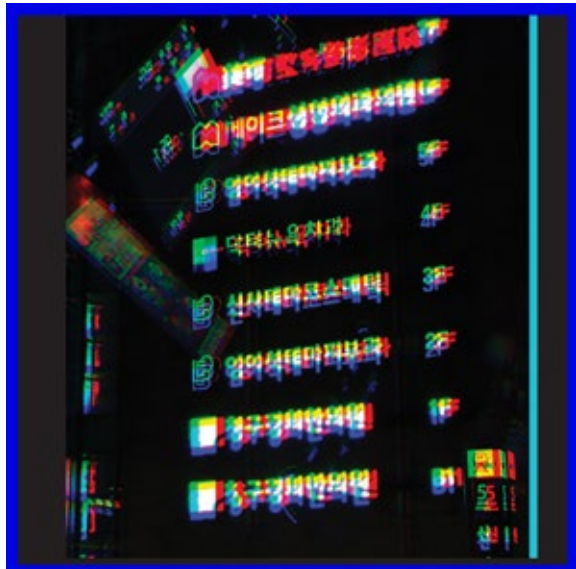
The Italian plaza, New Orleans, LA



Express bus terminal Seoul, Korea



Light projection on the Italian plaza, New Orleans, LA



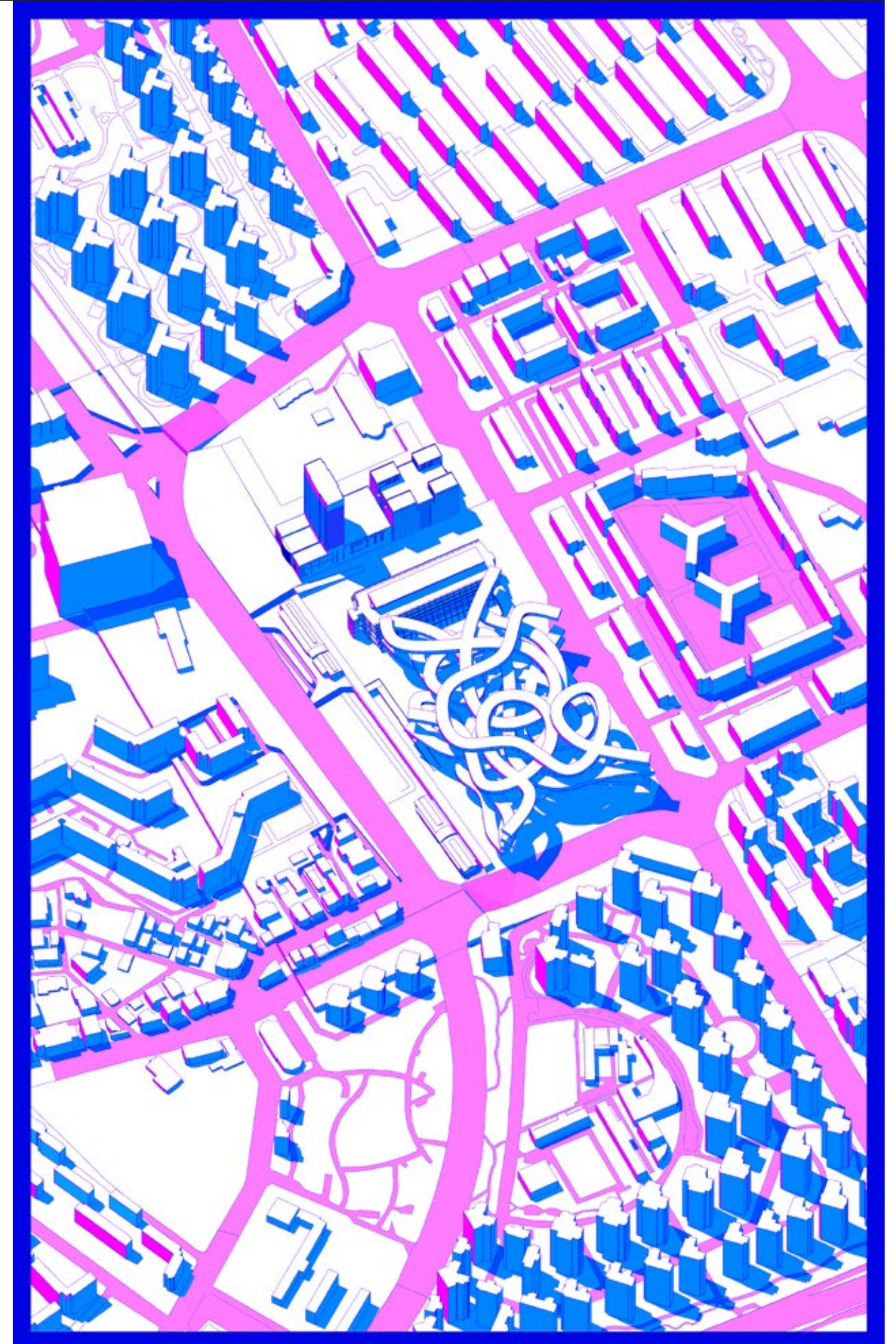
Advertisement sign as urban landscape, Seoul, Korea



Karaoke room, Seoul, Korea



Karaoke room, Seoul, Korea

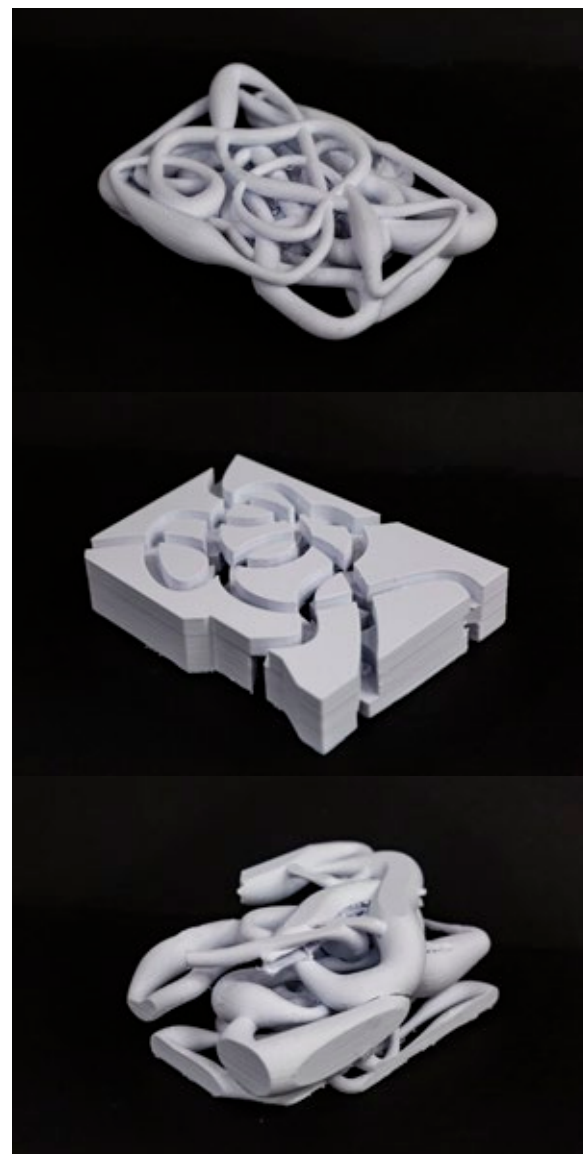
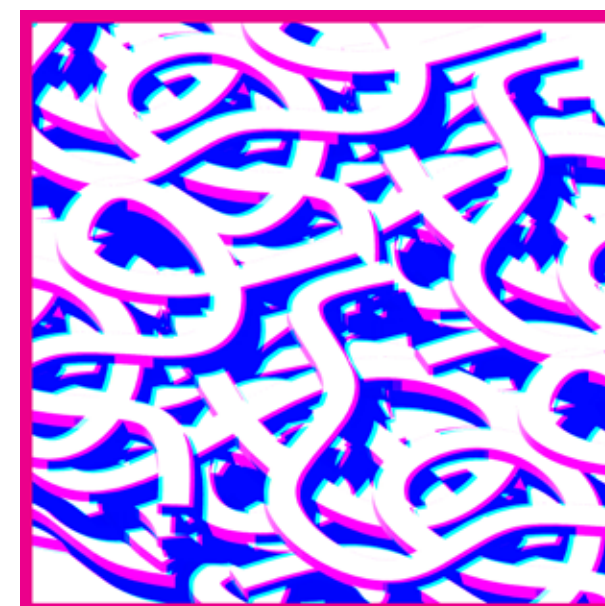


Axonometric drawing, mid-term review.

The design proposal is a six kilometer walking route starting from the street level gradually upward to the shopping street. The lowest level is the newly designed bus terminal; 150 bus gates combine both existing terminals on the site, as five different size terminal nodes that function individually, with vertical service cores that penetrates the whole building. Between the upward shopping route and the bus terminal level, a platform connects to the neighborhood. The visitors' shopping experience is introduced by a first perspective view, and then the linear path that addresses various needs based on desires, and random connections established by a tiny memory that triggers something worthwhile for lingering. The space can also satisfies the shopper who is not really looking for something to purchase; who comes to the shopping mall to decompress and often does not buy anything, embracing the environment and the illusion to be young again.

K pop, plastic surgery, showgirl, selling alcohol by girls' bodies is one side that is well-known in Korea. On the other side, Karaoke rooms and small-scale shops on the main street shows the desire of the city. Signs, advertising windows, LED screens, posters - to me they are an urban scale live theatre. These elements structured the endless urban landscape, continuously showing and mocking everyone's desires.

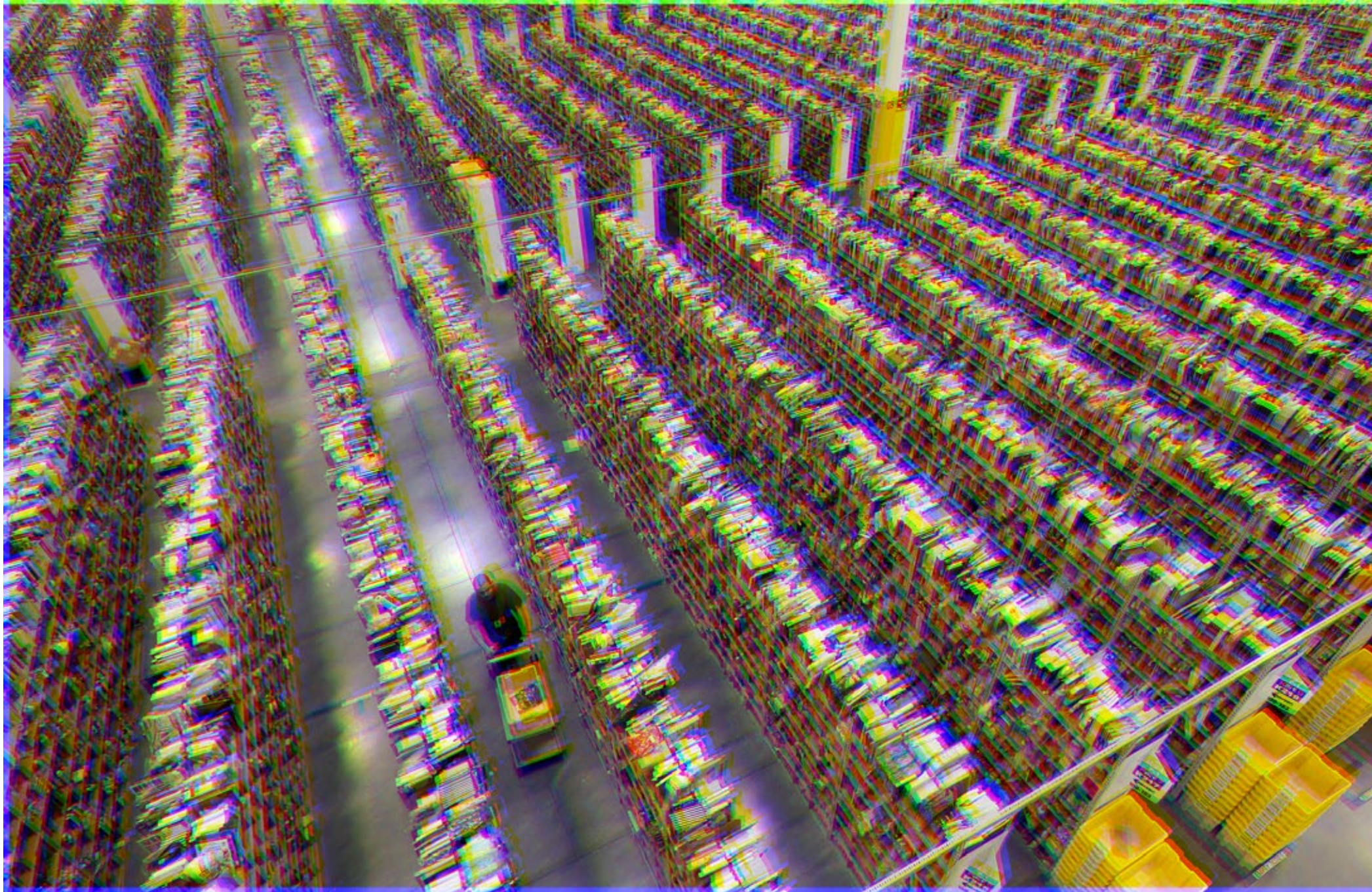
The proposal opens an opportunity to explore form and space, and to interrogate the online shopping issue that has caused the death of the physical shopping mall. It envisions a space which that is anti-web and online shopping and enhances visual contact. The advertising board creates a bridge between physical and the smartphone/internet, while the endless facade exterior and interior create and balance the urban space.



Study model, mid-term review.

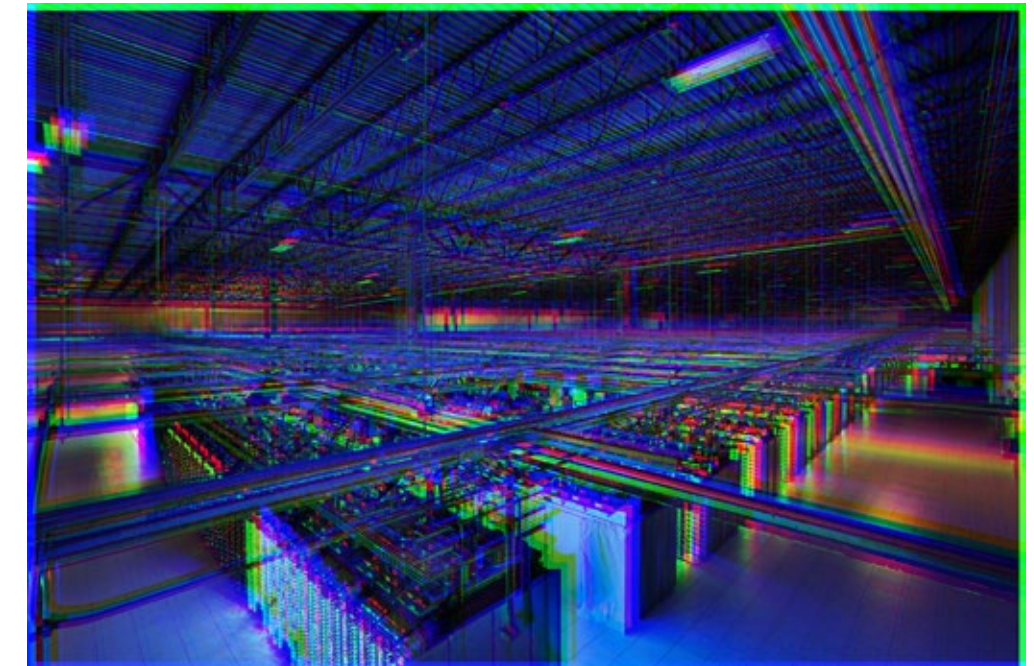
Study model, mid-term review.

Axonometric Drawing, mid-term review.

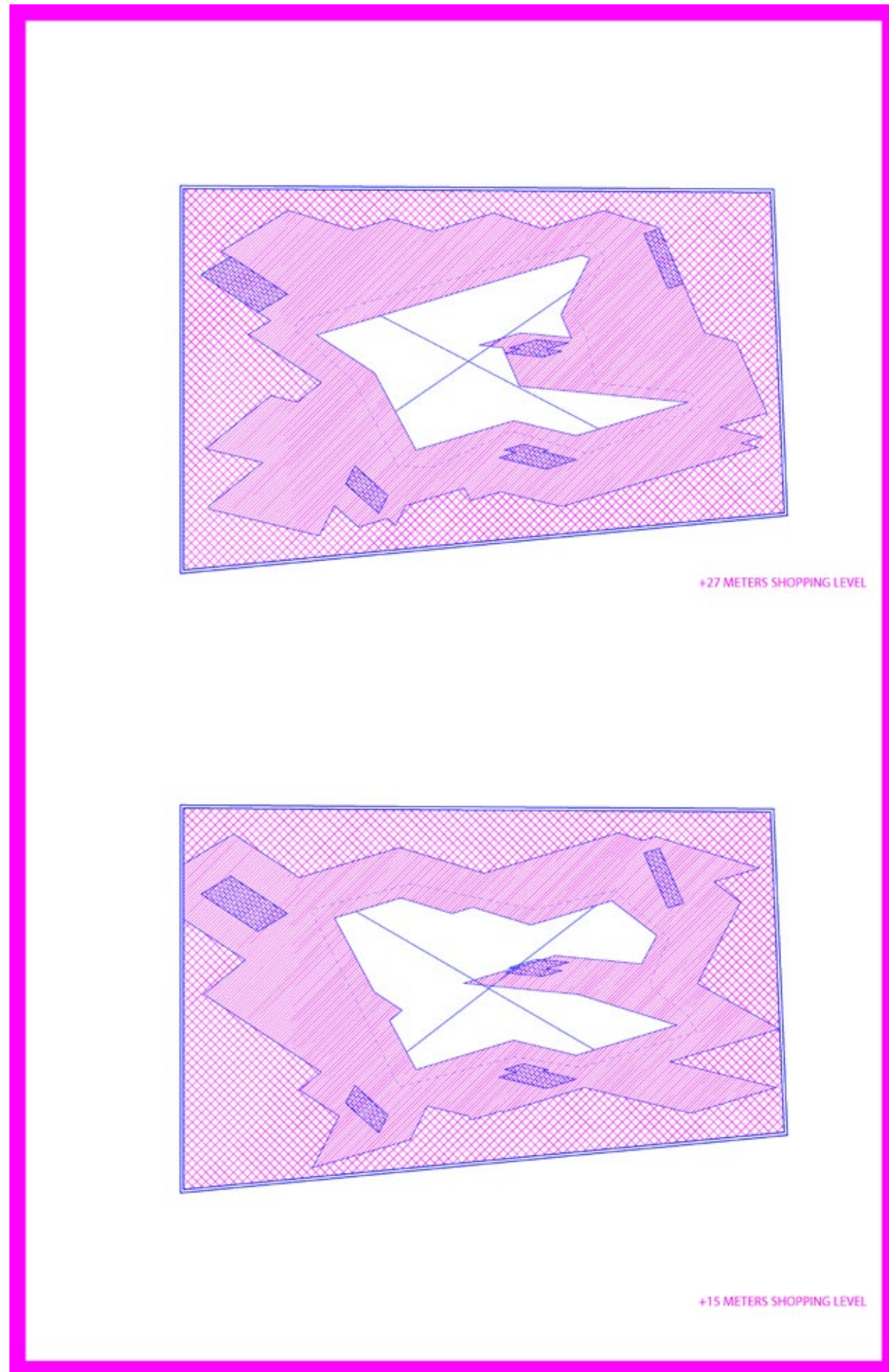
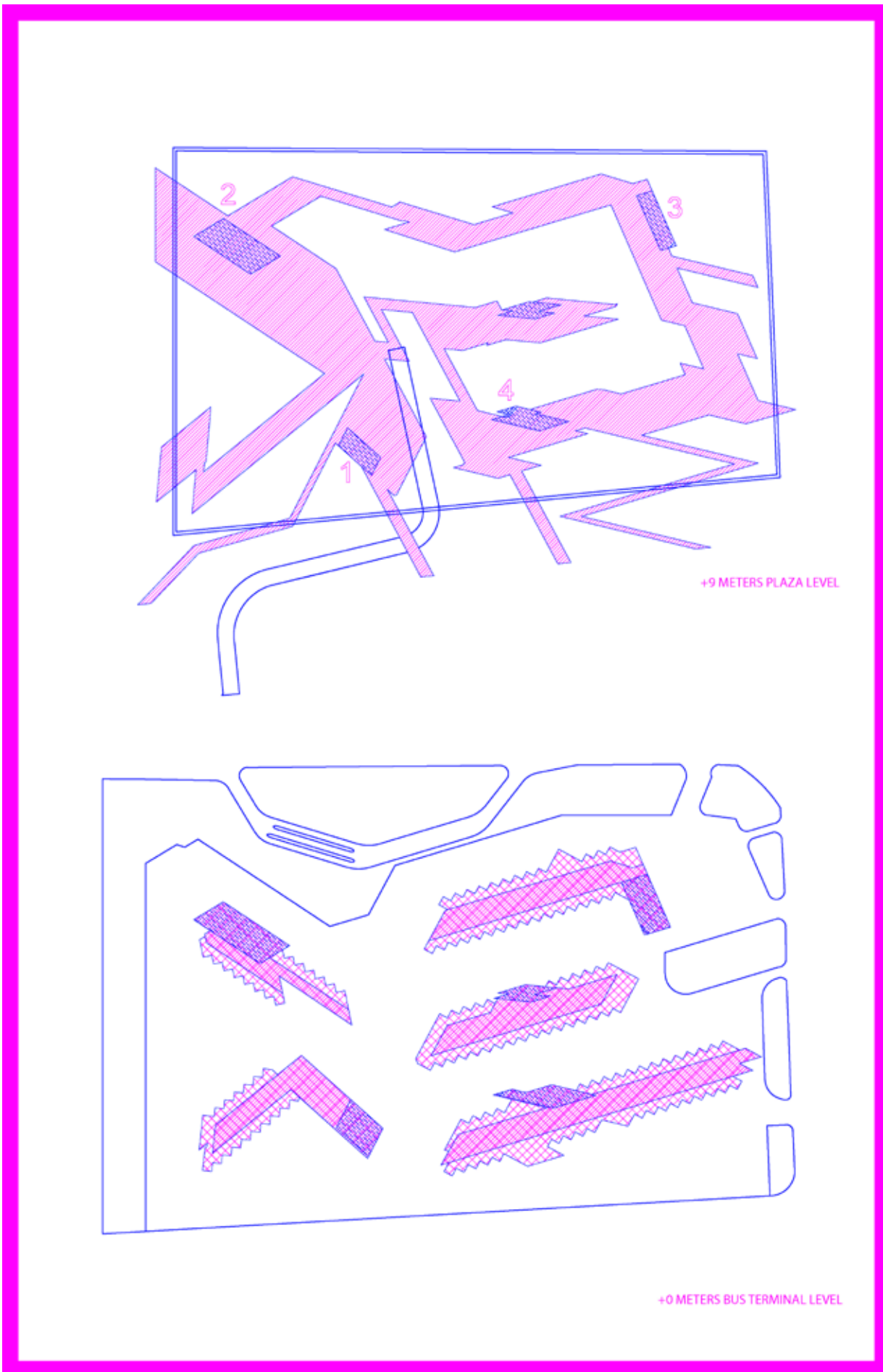


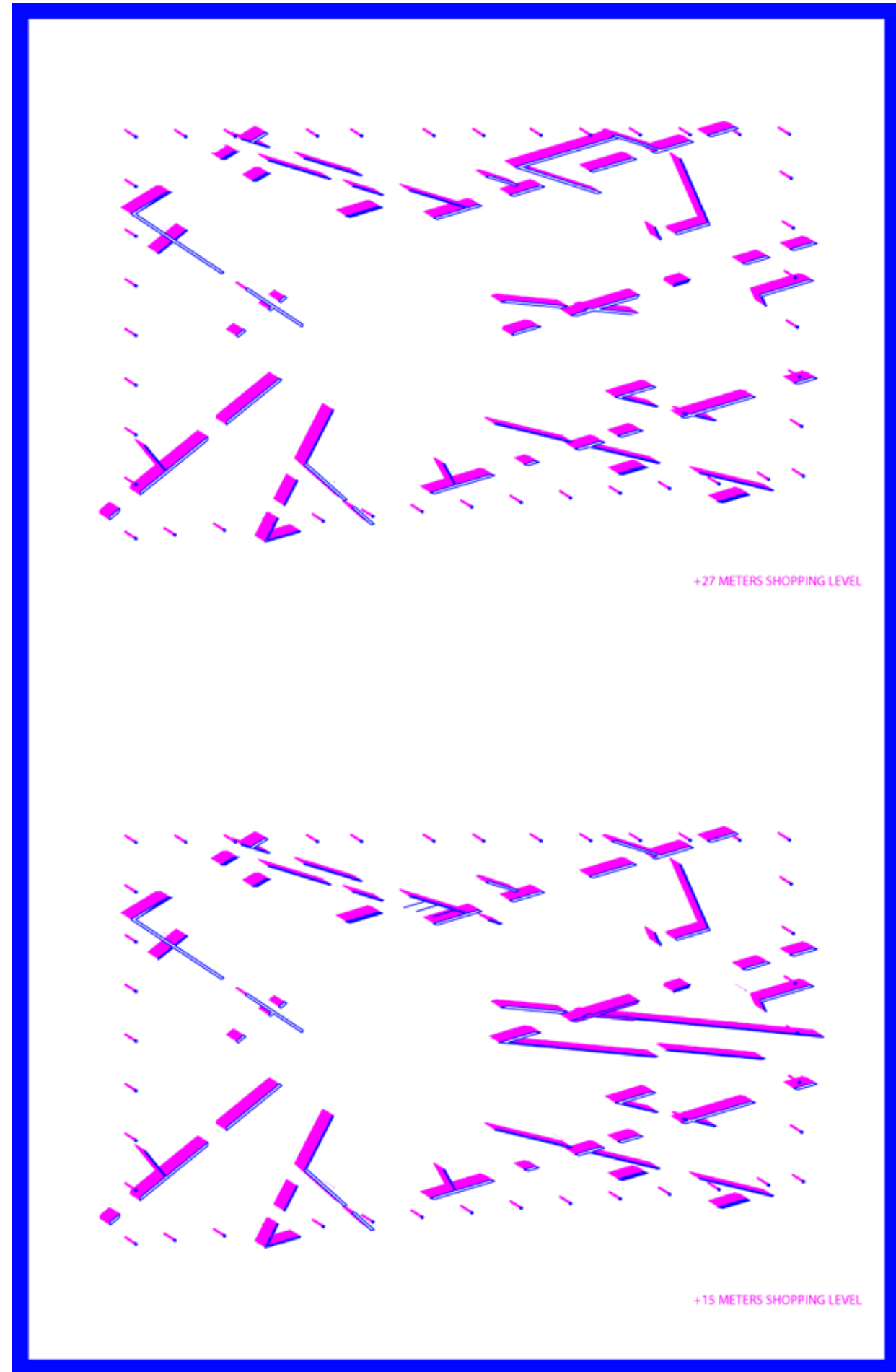
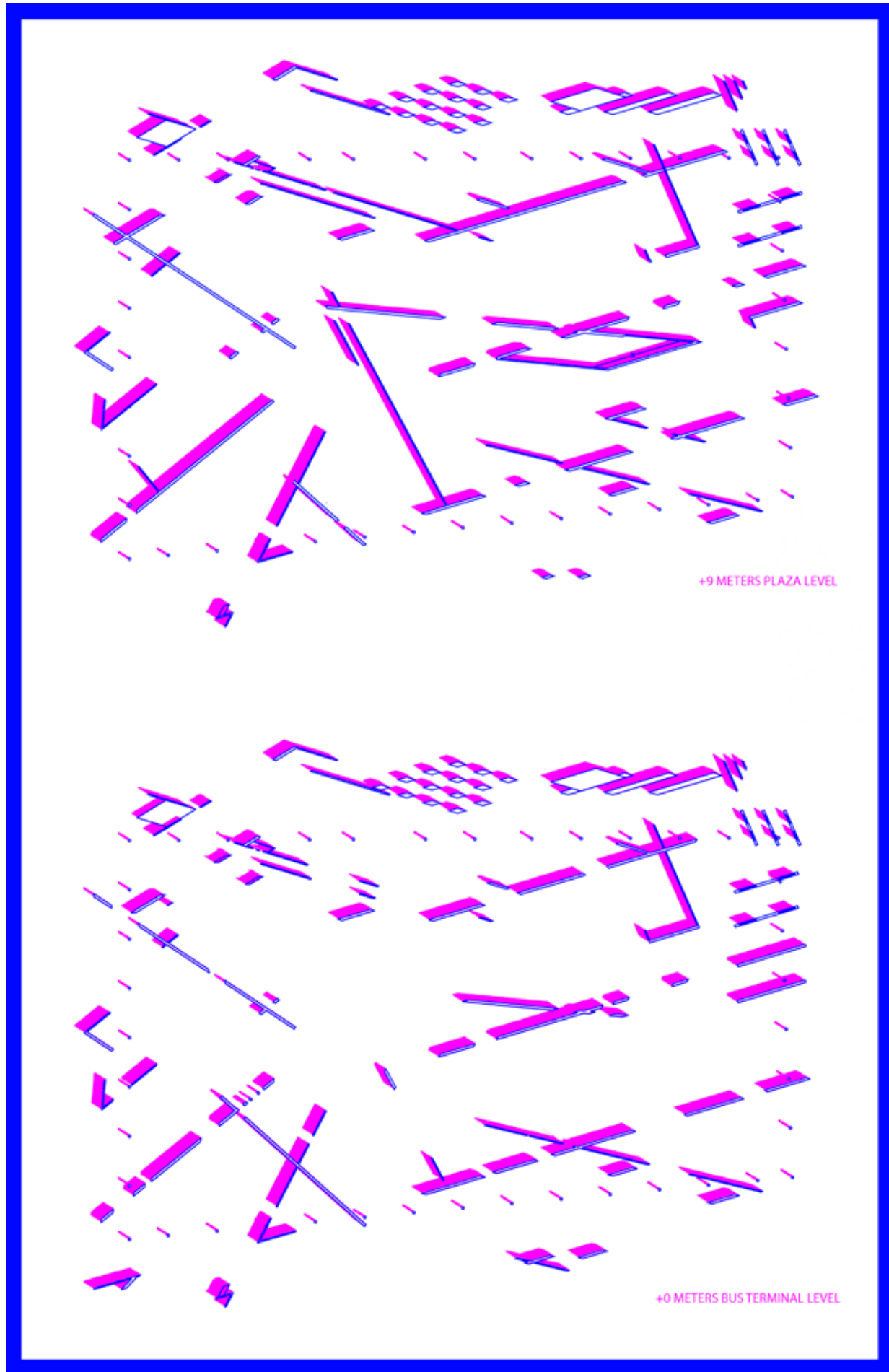
Amazon book shop, storage facility, usa

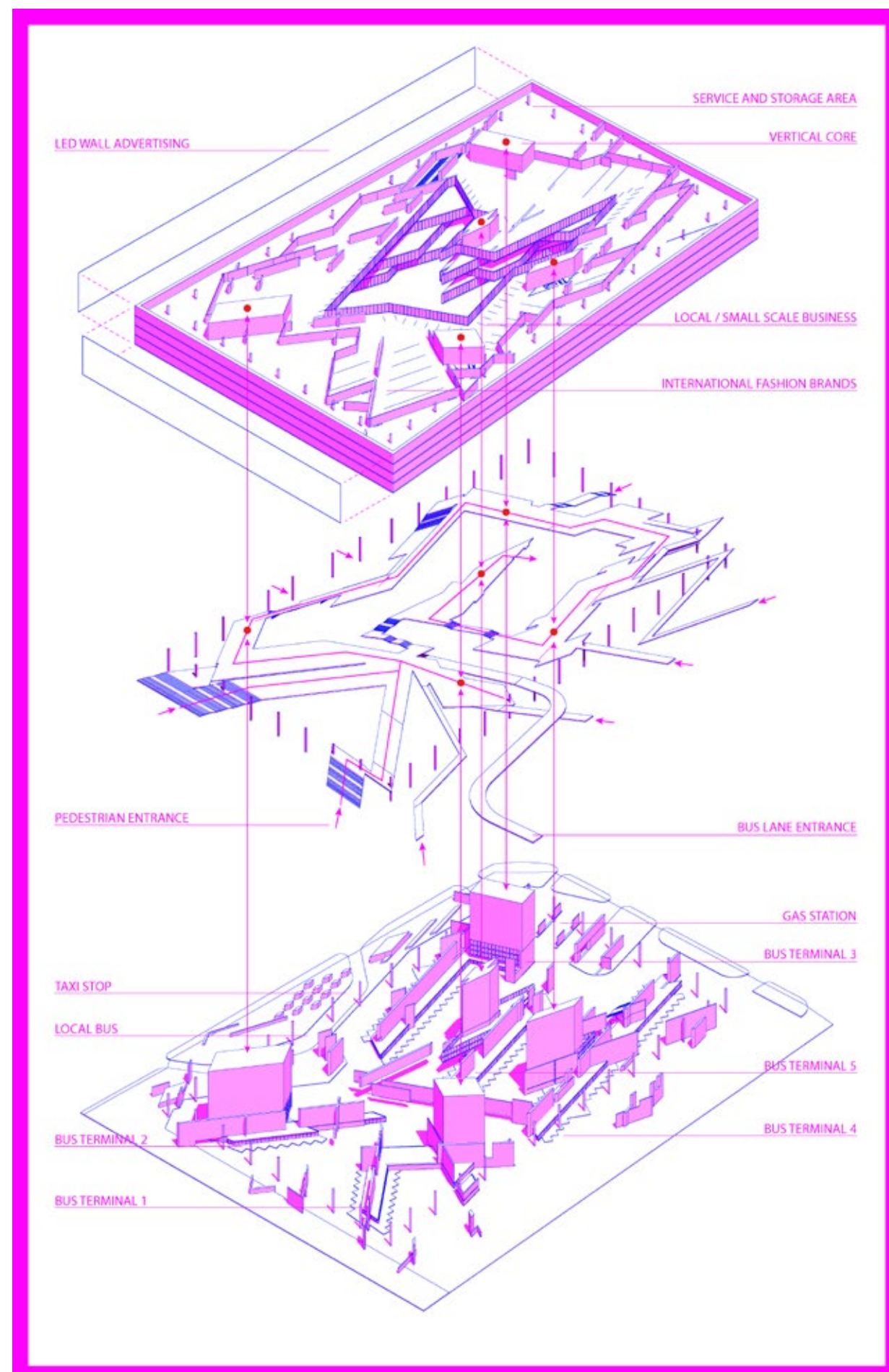
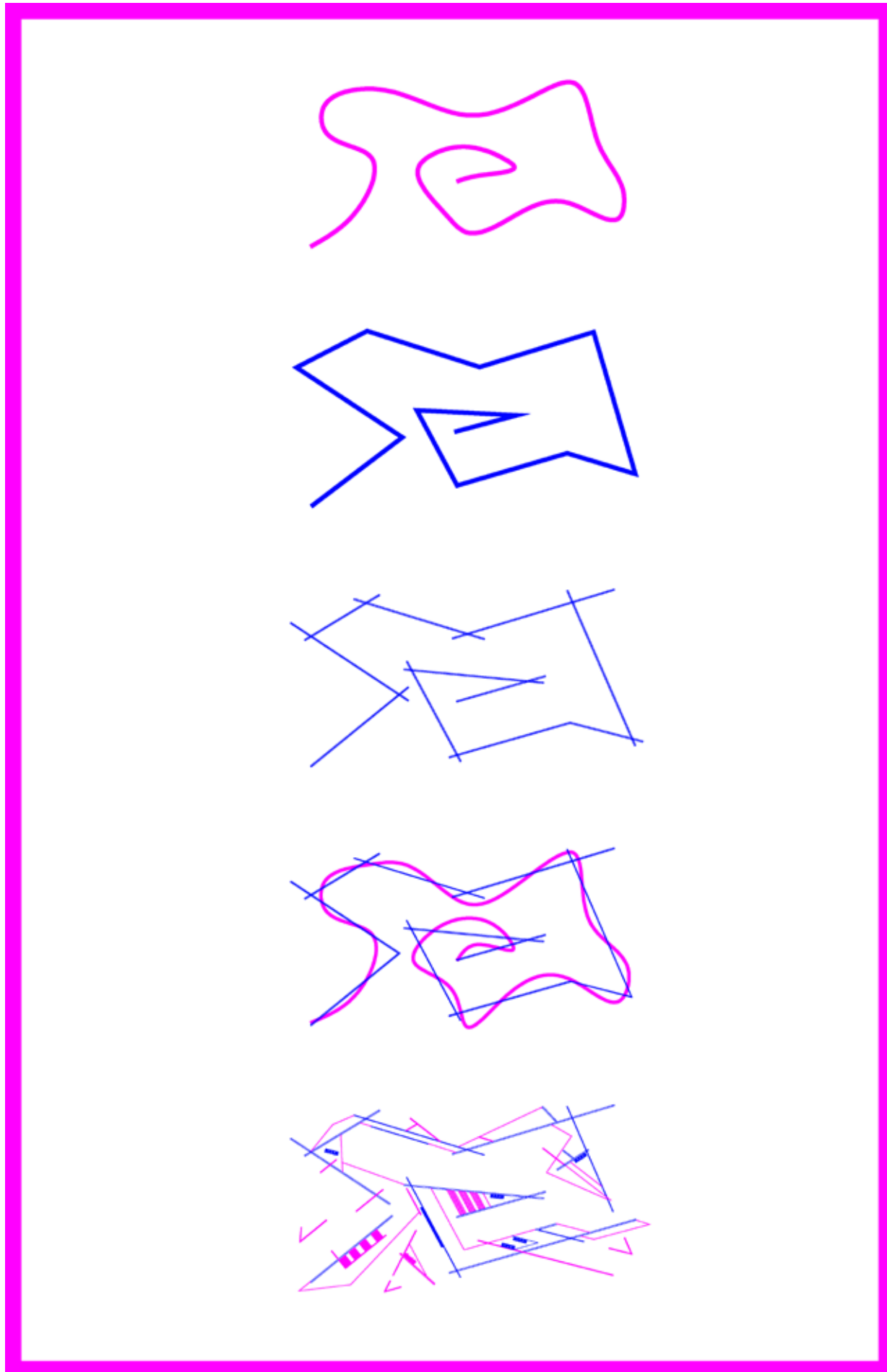
Amazon book shop, storage facility, usa

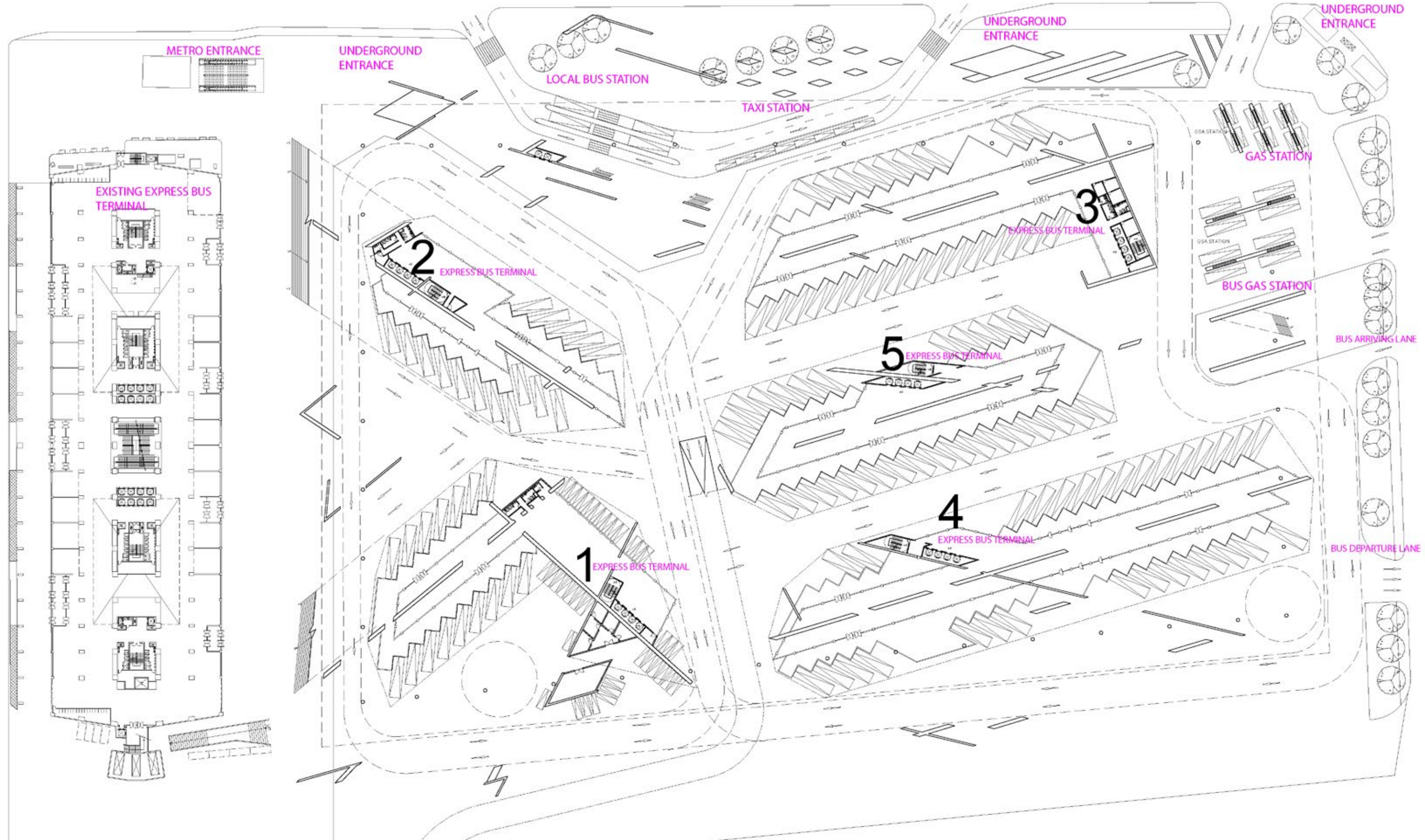


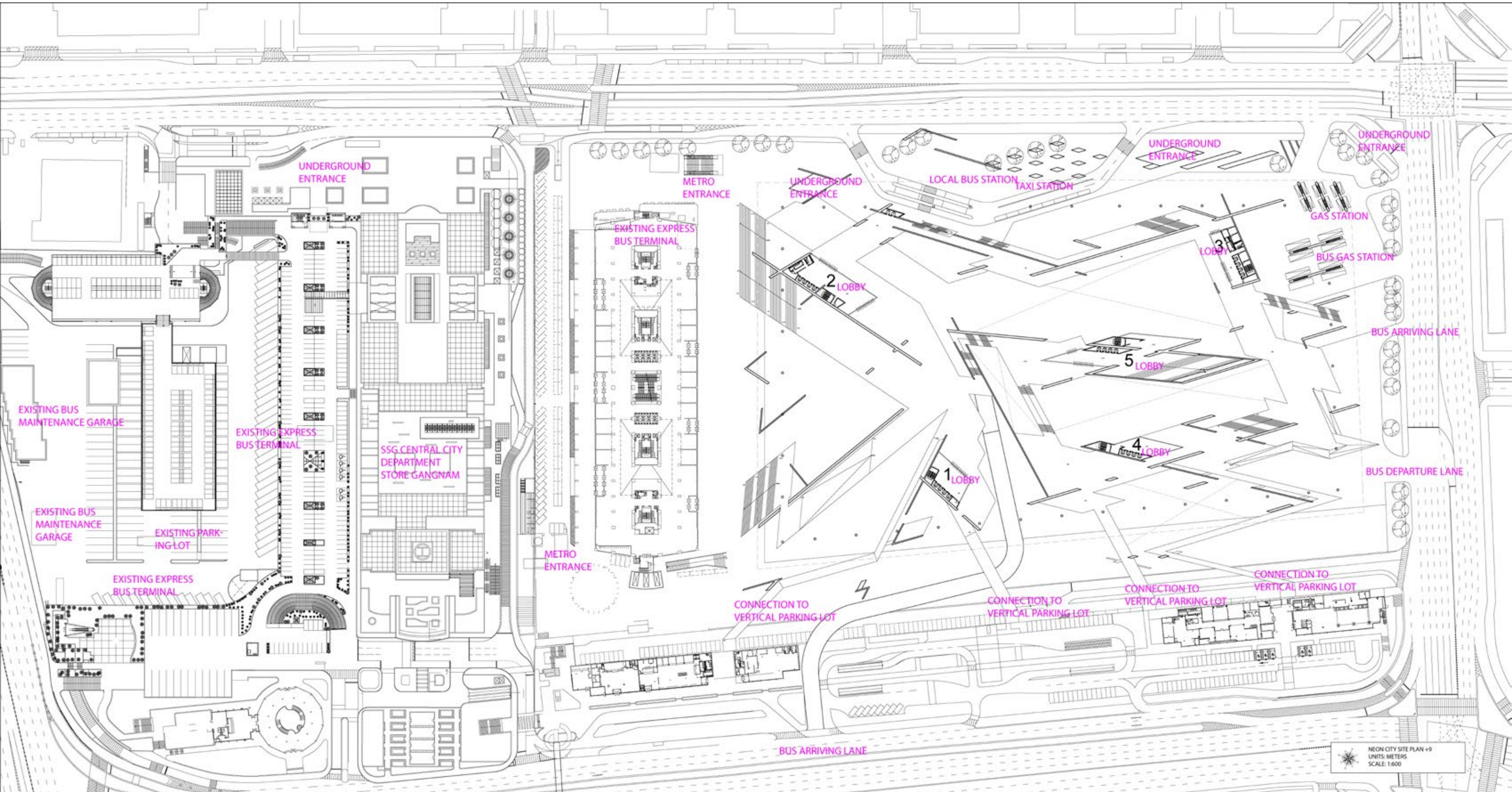
Google cloud storage facility, usa

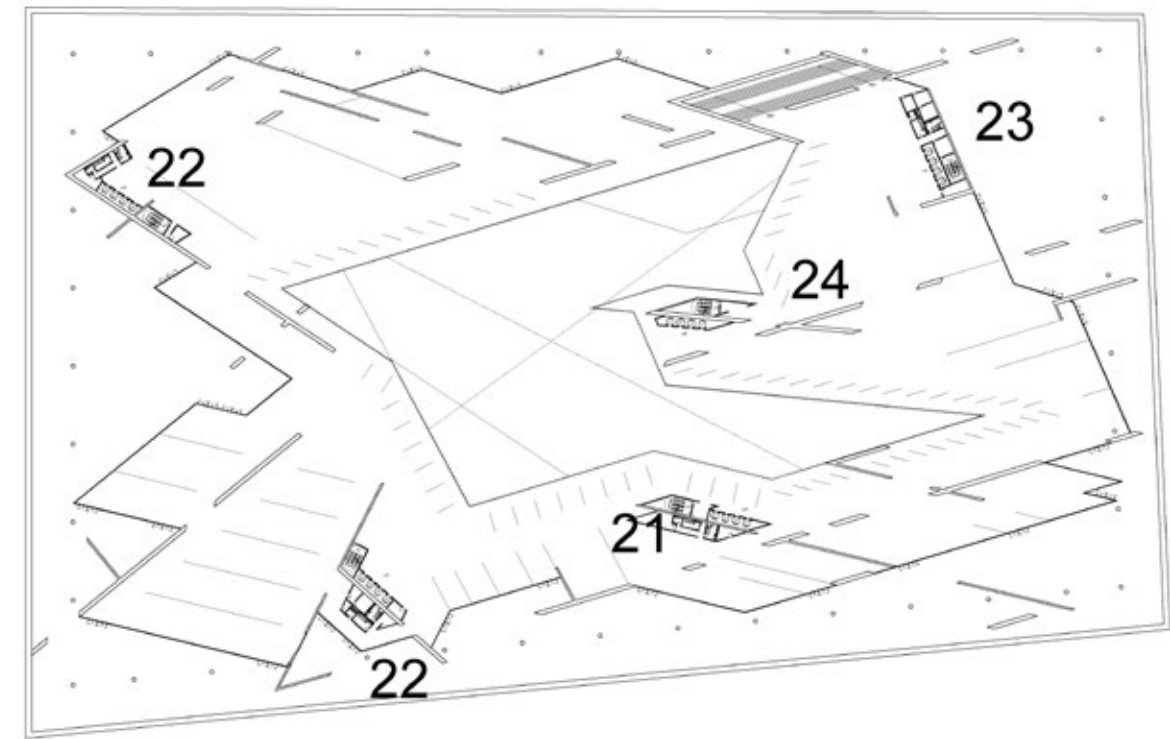
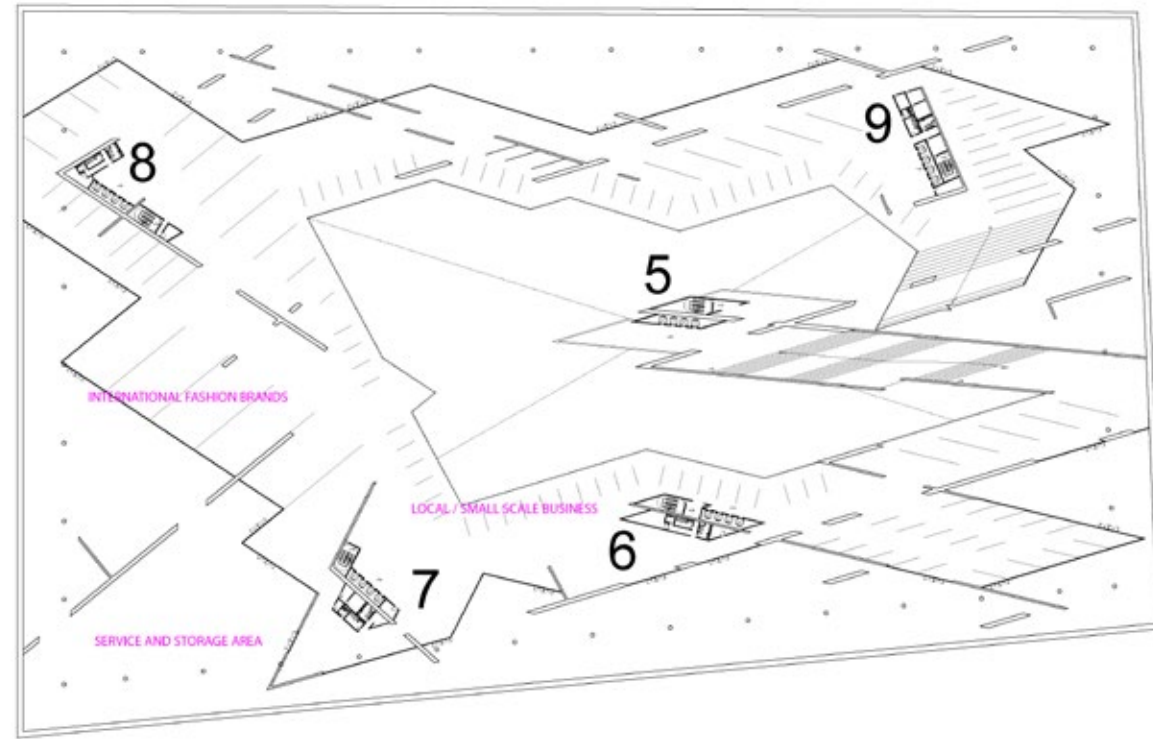






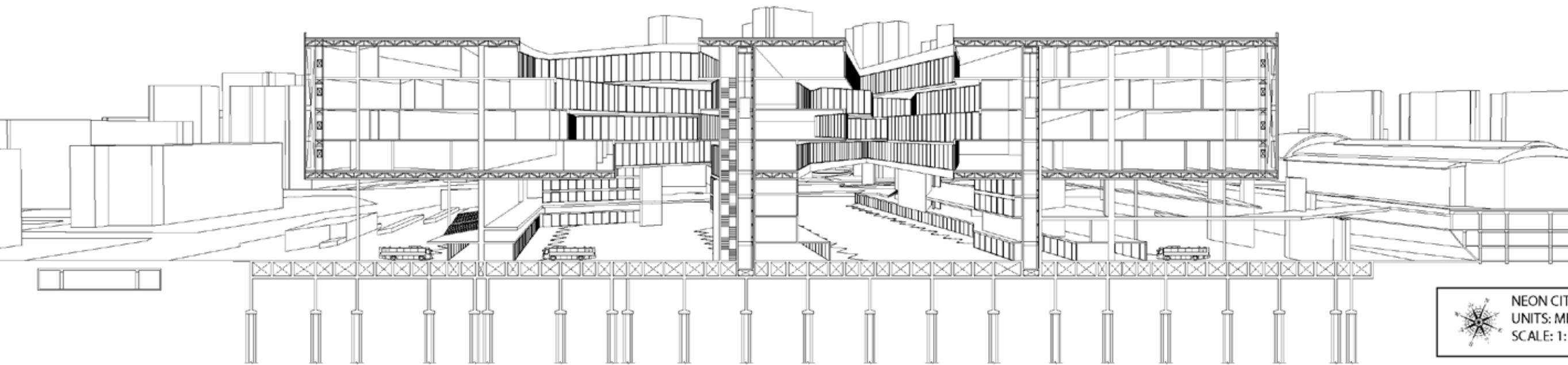






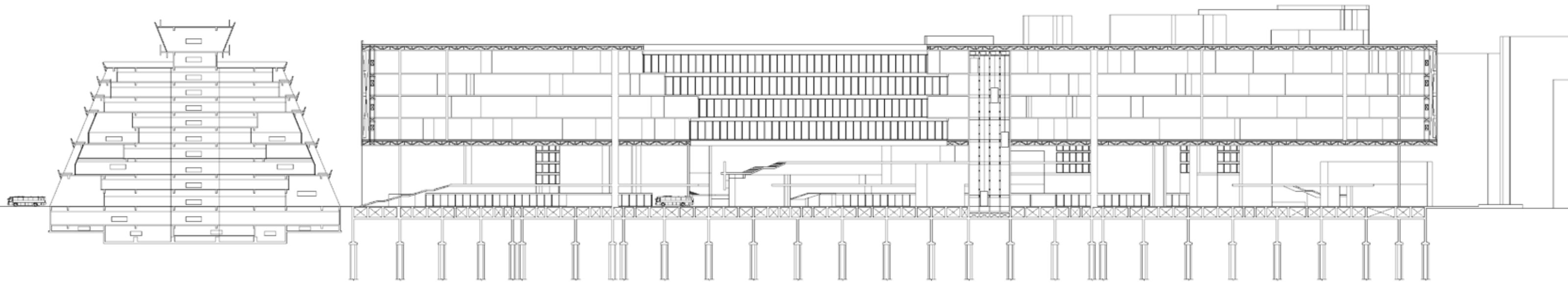
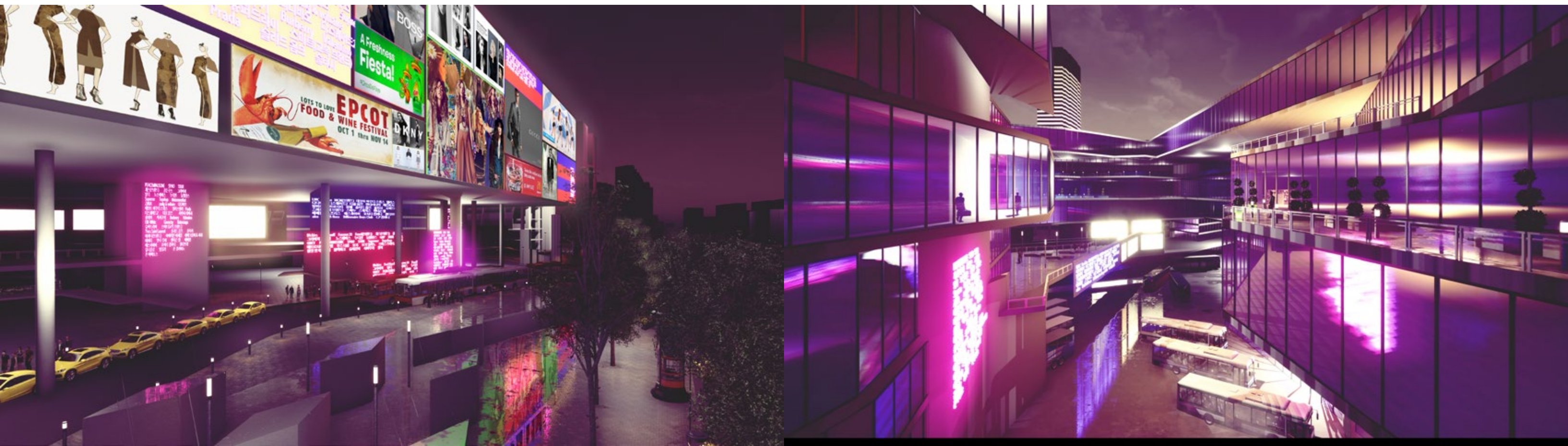
NEON CITY SHOPPING LEVEL +15
UNITS: METERS
SCALE: 1:1000

NEON CITY SHOPPING LEVEL +27
UNITS: METERS
SCALE: 1:1000



NEON CITY SHOPPING LEVEL +15
UNITS: METERS
SCALE: 1:1000





NEON CITY SHOPPING LEVEL +15
UNITS: METERS
SCALE: 1: 1000









Exhibition at Avery building, GSAPP 2019

Mama, I'm Home.

“Fossil Fuels are the Food of Food”

The past three centuries of progress have been powered by coal, oil and gas. Burning much of what's left will lead to environmental and economic catastrophe. It's pretty obvious that we can't both burn fossil fuels and limit the damage from climate change. There are basically three steps toward getting out of fossil fuels. The first is to make people pay for the consequences of burning fossil fuels, and that's a carbon tax. The second is the transitional bit: the only serious way in the next 15-20 years to bear down on coal is to switch from coal to gas. Gas is, of course, a fossil fuel, but it has half the emissions of coal, and we could make substantive cuts – as indeed the US has done – by making the switch. And then, further out, what we need are new technologies.

The fact is that when it comes to satisfying humanity's basic needs, almost nothing is given, as almost everything must be created and produced. The arrangements of elements that make up the planet are not organized by natural processes to optimally support human life.

The project documented 5 weeks of urban life, plastic material especially. For me, these plastic materials / objects are an extension of our mother nature, in which we entirely surrounded by the by-products of fossil fuels. The fossil fuels penetrate our life and body, into our blood, vein, food, and air in the scale of molecular. Work is required to transform the planet from an environment of scarcity to one rich with food, clothing, and shelter. The ability to do this work is made possible primarily by the fossil fuel industries.

During the collection of 5 weeks, I gather all the by-product of fossil fuels that are used by me; for example, used water cup, online shopping wrapping bag, water bottle, shopping bag. Then, I transform these materials by melting them into sculpture, in other words, through the process of "undo", the Man-Made objects gradually become unrecognisable, eventually transform into its original form.



Different forms of fossil fuel spreading in the wild. photo: Getty Images



Plastic as an extension of natural resources, photo: unknow

Action 1
11 SEPTEMBER – 18 SEPTEMBER 2019



Action 1

11 SEPTEMBER – 18 SEPTEMBER 2019

- 1 ---
OBJECT 1
MATERIAL: PLASTIC
FUNCTION: SPOON
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 11 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: LUNCH BOX
- 2 ---
OBJECT 2
MATERIAL: PLASTIC
FUNCTION: SPOON
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 13 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: LUNCH BOX
- 3 ---
OBJECT 3
MATERIAL: PLASTIC
FUNCTION: FORK
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 14 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: LUNCH BOX
- 4 ---
OBJECT 4
MATERIAL: PLASTIC
FUNCTION: FORK
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 16 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: LUNCH BOX
- 5 ---
OBJECT 5
MATERIAL: PLASTIC
FUNCTION: WATER BOTTLE
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 12 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: BETWEEN CLASS
- 6 ---
OBJECT 6
MATERIAL: PLASTIC
FUNCTION: WATER BOTTLE
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 11 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: ON THE WAY TO SCHOOL
- 7 ---
OBJECT 7
MATERIAL: PLASTIC
FUNCTION: CONTAINER OF CRACKER
LOCATION: HARLEM DISTRICT, USA
TIME: 12 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: LUNCH
- 8 ---
OBJECT 8
MATERIAL: PLASTIC
FUNCTION: CONTAINER BAG OF ONLINE SHOPPING
LOCATION: HARLEM DISTRICT, USA
TIME: 13 SEPTEMBER
COLOUR: TRANSPARENT BOBBLE PAPER INSIDE, AND PAPER
EVENT: SHOPPING AT AMAZON

--- 9 ---
OBJECT 9
MATERIAL: PLASTIC
FUNCTION: GREEN TEA CONTAINER
LOCATION: UPPER WEST DISTRICT, USA
TIME: 15 SEPTEMBER
COLOUR: TRANSPARENT BOTTLE, AND COLOUR WRAPPING
EVENT: GREEN TEA

--- 10 ---
OBJECT 10
MATERIAL: PLASTIC
FUNCTION: WATER BOTTLE
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 15 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: ARCHITECTURE STUDIO

--- 11 ---
OBJECT 11
MATERIAL: Polystyrene
FUNCTION: model making
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 16 SEPTEMBER
COLOUR: purple
EVENT: leftover material from model making

--- 12 ---
OBJECT 12
MATERIAL: plastic
FUNCTION: bag
LOCATION: upper west side district
TIME: 17 SEPTEMBER
COLOUR: black
EVENT: groceries shopping

--- 13 ---
OBJECT 13
MATERIAL: plastic
FUNCTION: liquid container
LOCATION: upper west side district
TIME: 18 SEPTEMBER
COLOUR: transparent
EVENT: walk from Columbia university to dinner place

--- 14 ---
OBJECT 14
MATERIAL: PLASTIC
FUNCTION: WATER BOTTLE
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 17 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: drinking water in studio

--- 15 ---
OBJECT 15
MATERIAL: PLASTIC
FUNCTION: WATER BOTTLE
LOCATION: COLUMBIA UNIVERSITY, USA
TIME: 18 SEPTEMBER
COLOUR: TRANSPARENT
EVENT: drinking water in studio

--- 16 ---
OBJECT 16
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Milano Market, USA
TIME: 15 SEPTEMBER
COLOUR: white
EVENT: lunch shopping

--- 17 ---
OBJECT 17
MATERIAL: PLASTIC
FUNCTION: water bottle cap
LOCATION: unknow, USA
TIME: 16 SEPTEMBER
COLOUR: semi-transparent
EVENT: drinking water at home

--- 18 ---
OBJECT 18
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: harlem, USA
TIME: 15 SEPTEMBER
COLOUR: semi-transparent
EVENT: wrapping bag from the house moving

--- 19 ---
OBJECT 19
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: harlem, USA
TIME: 15 SEPTEMBER
COLOUR: white
EVENT: cookie bag

--- 20 ---
OBJECT 20
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: harlem, USA
TIME: 12 SEPTEMBER
COLOUR: white
EVENT: green cart

--- 21 ---
OBJECT 21
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: harlem, USA
TIME: 13 SEPTEMBER
COLOUR: transparent
EVENT: cushion wrap of online shopping

--- 22 ---
OBJECT 22
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: harlem, USA
TIME: 11 SEPTEMBER
COLOUR: transparent
EVENT: drinking water at home

--- 23 ---
OBJECT 23
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: harlem, USA
TIME: 12 SEPTEMBER
COLOUR: transparent
EVENT: cushion wrap of online shopping

--- 24 ---
OBJECT 24
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: harlem, USA
TIME: 12 SEPTEMBER
COLOUR: transparent
EVENT: drinking water at home

--- 25 ---
OBJECT 25
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: harlem, USA
TIME: 18 SEPTEMBER
COLOUR: transparent
EVENT: drinking water at home

--- 26 ---
OBJECT 26
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: Soho district, USA
TIME: 17 SEPTEMBER
COLOUR: transparent
EVENT: drinking water from a street kiosk

--- 27 ---
OBJECT 27
MATERIAL: PLASTIC
FUNCTION: cracker container
LOCATION: midtown manhattan, USA
TIME: 18 SEPTEMBER
COLOUR: transparent and print information
EVENT: shopping at the wholefood

--- 28 ---
OBJECT 28
MATERIAL: PLASTIC
FUNCTION: blueberry container
LOCATION: Harlem, USA
TIME: 15 SEPTEMBER
COLOUR: transparent
EVENT: shopping at the wholefood

--- 29 ---
OBJECT 29
MATERIAL: PLASTIC
FUNCTION: coffee cup cap
LOCATION: Harlem, USA
TIME: 12 SEPTEMBER
COLOUR: black
EVENT: coffee near Columbia university

--- 30 ---
OBJECT 30
MATERIAL: PLASTIC
FUNCTION: coffee cup cap
LOCATION: Harlem, USA
TIME: 14 SEPTEMBER
COLOUR: black
EVENT: coffee near Columbia university

--- 31 ---
OBJECT 31
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Harlem, USA
TIME: 13 SEPTEMBER
COLOUR: white with print information
EVENT: Key food / grocery shopping for dinner

--- 32 ---
OBJECT 32
MATERIAL: PLASTIC
FUNCTION: cushion wrap
LOCATION: Harlem, USA
TIME: 13 SEPTEMBER
COLOUR: transparent / metal colour
EVENT: online shopping / 4TB hard drive

--- 33 ---
OBJECT 33
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Harlem, USA
TIME: 15 SEPTEMBER
COLOUR: White with print information
EVENT: Key food / grocery shopping for dinner

--- 34 ---
OBJECT 34
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Harlem, USA
TIME: 15 SEPTEMBER
COLOUR: White with print information
EVENT: Food town / grocery shopping for lunch

--- 35 ---
OBJECT 35
MATERIAL: PLASTIC
FUNCTION: cushion wrap
LOCATION: Harlem, USA
TIME: 17 SEPTEMBER
COLOUR: transparent / metal colour
EVENT: online shopping / hard drive protector

--- 36 ---
OBJECT 36
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia univeristy, USA
TIME: 11 SEPTEMBER
COLOUR: transparent
EVENT: school lecture / water

--- 37 ---
OBJECT 37
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia univeristy, USA
TIME: 12 SEPTEMBER
COLOUR: transparent
EVENT: school lecture / water

--- 38 ---
OBJECT 38
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia univeristy, USA
TIME: 16 SEPTEMBER
COLOUR: transparent
EVENT: school lecture / water

--- 39 ---
OBJECT 39
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia univeristy, USA
TIME: 11 SEPTEMBER
COLOUR: transparent
EVENT: school lecture / water

--- 40 ---
OBJECT 40
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia univeristy, USA
TIME: 11 SEPTEMBER
COLOUR: transparent
EVENT: friday happy hour / wine

Action 2
18 SEPTEMBER – 25 SEPTEMBER 2019



Action 2

18 SEPTEMBER – 25 SEPTEMBER 2019

--- 1 ---
 OBJECT 1
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: near COLUMBIA UNIVERSITY,USA
 TIME:19 SEPTEMBER
 COLOUR: black
 EVENT: shopping at green cart

--- 2 ---
 OBJECT 2
 MATERIAL: PLASTIC
 FUNCTION: chocolate container
 LOCATION: grand central train station,USA
 TIME: 20 SEPTEMBER
 COLOUR: black / brown
 EVENT: hotel chocolate / shop

--- 3 ---
 OBJECT 3
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: macy's midtown south, USA
 TIME: 23 SEPTEMBER
 COLOUR: white
 EVENT: shopping for 2 pillows

--- 4 ---
 OBJECT 4
 MATERIAL: PLASTIC
 FUNCTION: coffee cup cap
 LOCATION: starbucks near harlem, USA
 TIME: 20 SEPTEMBER
 COLOUR: white
 EVENT: coffee on the way to the studio

--- 5 ---
 OBJECT 5
 MATERIAL: PLASTIC
 FUNCTION: container of egg
 LOCATION: wholefood near harlem, USA
 TIME: 22 SEPTEMBER
 COLOUR: transparent
 EVENT: shopping at wholefood

--- 6 ---
 OBJECT 6
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: Columbia univeristy, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: drinking water at studio

--- 7 ---
 OBJECT 7
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: Columbia univeristy, USA
 TIME: 20 SEPTEMBER
 COLOUR: transparent
 EVENT: drinking water at studio

--- 8 ---
 OBJECT 8
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Columbia University, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: cooking clip / online shopping

--- 9 ---
 OBJECT 9
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Columbia University, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: cooking clip / online shopping

--- 10 ---
 OBJECT 10
 MATERIAL: PLASTIC
 FUNCTION: food container
 LOCATION: Columbia University, USA
 TIME: 20 SEPTEMBER
 COLOUR: transparent
 EVENT: lunch sandwich

--- 11 ---
 OBJECT 11
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: Columbia univeristy, USA
 TIME: 20 SEPTEMBER
 COLOUR: transparent
 EVENT: drinking water at studio

--- 12 ---
 OBJECT 12
 MATERIAL: plastic
 FUNCTION: bag
 LOCATION: upper west side district
 TIME:21 SEPTEMBER
 COLOUR: transparent
 EVENT: groceries shopping

--- 13 ---
 OBJECT 13
 MATERIAL: PLASTIC
 FUNCTION: egg container
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 14 ---
 OBJECT 14
 MATERIAL: PLASTIC
 FUNCTION: mushroom container
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 15 ---
 OBJECT 15
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: drink water at home

--- 16 ---
 OBJECT 16
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: near grand central train station, USA
 TIME: 24 SEPTEMBER
 COLOUR: transparent with printed information
 EVENT: Hotel chocolate

--- 17 ---
 OBJECT 17
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: macy's midtown south, USA
 TIME: 23 SEPTEMBER
 COLOUR: white
 EVENT: shopping for 2 pillows

--- 18 ---
 OBJECT 18
 MATERIAL: PLASTIC
 FUNCTION: wrapping paper
 LOCATION: Columbia University, USA
 TIME: 25 SEPTEMBER
 COLOUR: transparent
 EVENT: wrapping paper for model

--- 19 ---
 OBJECT 19
 MATERIAL: PLASTIC
 FUNCTION: meat container
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 20 ---
 OBJECT 20
 MATERIAL: PLASTIC
 FUNCTION: carrot container
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 21 ---
 OBJECT 21
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: near grand central train station, USA
 TIME: 25 SEPTEMBER
 COLOUR: transparent with printed information
 EVENT: Hotel chocolate

--- 22 ---
 OBJECT 22
 MATERIAL: PLASTIC
 FUNCTION: baby spinach container
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 23 ---
 OBJECT 23
 MATERIAL: PLASTIC
 FUNCTION: baby spinach container cap
 LOCATION: key food shop, USA
 TIME: 19 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for dinner

--- 24 ---
 OBJECT 14
 MATERIAL: PLASTIC
 FUNCTION: peanut butter container
 LOCATION: wholefood near Harlem, USA
 TIME: 21 SEPTEMBER
 COLOUR: transparent
 EVENT: grocery shopping for breakfast

--- 25 ---
 OBJECT 25
 MATERIAL: PLASTIC
 FUNCTION: trash bag
 LOCATION: near Harlem, USA
 TIME: 24 SEPTEMBER
 COLOUR: black
 EVENT: used household trash bag

Action 3
25 SEPTEMBER – 02 OCTOBER 2019



Action 3

25 SEPTEMBER – 02 OCTOBER 2019

--- 1 ---
OBJECT 1
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Near harlem, USA
TIME: 26 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: bag of Cosmetic Makeup Facial Cotton

--- 2 ---
OBJECT 2
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Near Harlem, USA
TIME: 26 SEPTEMBER
COLOUR: OFF-WHITE
EVENT: online shopping,

--- 3 ---
OBJECT 3
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: Near Harlem, USA
TIME: 26 SEPTEMBER
COLOUR: white, printed information
EVENT: Key food grocery shopping

--- 4 ---
OBJECT 4
MATERIAL: PLASTIC
FUNCTION: chips container
LOCATION: Near Harlem, USA
TIME: 26 SEPTEMBER
COLOUR: green, printed information
EVENT: Key food grocery shopping

--- 5 ---
OBJECT 5
MATERIAL: PLASTIC
FUNCTION: unknown
LOCATION: Near Harlem, USA
TIME: 26 SEPTEMBER
COLOUR: semi-transparent
EVENT: Key food grocery shopping

--- 6 ---
OBJECT 6
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: columbia university, USA
TIME: 27 SEPTEMBER
COLOUR: transparent
EVENT: school lecture drinking water

--- 7 ---
OBJECT 7
MATERIAL: PLASTIC
FUNCTION: container of mushroom
LOCATION: near Harlem, USA
TIME: 27 SEPTEMBER
COLOUR: blue
EVENT: grocery shopping for dinner

--- 8 ---
OBJECT 8
MATERIAL: PLASTIC
FUNCTION: fork
LOCATION: Columbia university, USA
TIME: 26 SEPTEMBER
COLOUR: off white
EVENT: tool for eating lunch box

--- 9 ---
OBJECT 9
MATERIAL: PLASTIC
FUNCTION: fork
LOCATION: Columbia university, USA
TIME: 27 SEPTEMBER
COLOUR: off white
EVENT: tool for eating lunch box

--- 10 ---
OBJECT 10
MATERIAL: PLASTIC
FUNCTION: fork
LOCATION: Columbia university, USA
TIME: 27 SEPTEMBER
COLOUR: off white
EVENT: tool for eating lunch box

--- 11 ---
OBJECT 11
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: near chelsea, USA
TIME: 26 SEPTEMBER
COLOUR: off white / yellow
EVENT: bag for grocery shopping / wine

--- 12 ---
OBJECT 12
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: near chelsea, USA
TIME: 26 SEPTEMBER
COLOUR: off white / yellow
EVENT: bag for green cart / banana

--- 13 ---
OBJECT 13
MATERIAL: PLASTIC
FUNCTION: drinking straw
LOCATION: near chelsea, USA
TIME: 29 SEPTEMBER
COLOUR: orange
EVENT: drinking ice coffee

--- 14 ---
OBJECT 14
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: near upper westside, USA
TIME: 30 SEPTEMBER
COLOUR: white
EVENT: shopping at bookstore

--- 15 ---
OBJECT 15
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: near upper westside, USA
TIME: 30 SEPTEMBER
COLOUR: transparent
EVENT: drinking water / heading to Lincoln centre

--- 16 ---
OBJECT 16
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: near harlem, USA
TIME: 31 SEPTEMBER
COLOUR: black
EVENT: green cart shopping, banana

--- 17 ---
OBJECT 17
MATERIAL: PLASTIC
FUNCTION: blueberry container
LOCATION: wholefood near harlem, USA
TIME: 1 october
COLOUR: transparent
EVENT: grocery shopping at wholefood

--- 18 ---
OBJECT 18
MATERIAL: PLASTIC
FUNCTION: rosemary container
LOCATION: wholefood near harlem, USA
TIME: 1 october
COLOUR: transparent
EVENT: grocery shopping at wholefood

--- 19 ---
OBJECT 19
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: near Columbia university, USA
TIME: 2 October
COLOUR: transparent
EVENT: drinking water at architecture studio

--- 20 ---
OBJECT 13
MATERIAL: PLASTIC
FUNCTION: water cup
LOCATION: near Columbia university, USA
TIME: 1 October
COLOUR: transparent
EVENT: drinking water at architecture studio

--- 21 ---
OBJECT 10
MATERIAL: PLASTIC
FUNCTION: fork
LOCATION: Columbia university, USA
TIME: 30 SEPTEMBER
COLOUR: off white
EVENT: tool for eating lunch box

--- 22 ---
OBJECT 22
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: near upper westside, USA
TIME: 1 October
COLOUR: transparent
EVENT: drinking water at home

--- 23 ---
OBJECT 23
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: near upper westside, USA
TIME: 2 October
COLOUR: transparent
EVENT: drinking water at home

--- 24 ---
OBJECT 24
MATERIAL: PLASTIC
FUNCTION: bag
LOCATION: near harlem, USA
TIME: 30 september
COLOUR: black
EVENT: grocery shopping at green cart

--- 25 ---
OBJECT 22
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: near upper westside, USA
TIME: 2 October
COLOUR: transparent
EVENT: drinking water at home

--- 26 ---
OBJECT 26
MATERIAL: PLASTIC
FUNCTION: drink container
LOCATION: near harlem, USA
TIME: 26 september
COLOUR: transparent
EVENT: green tea drink at home

--- 27 ---
OBJECT 27
MATERIAL: PLASTIC
FUNCTION: drink container
LOCATION: near harlem, USA
TIME: 28 september
COLOUR: transparent
EVENT: fizzy drink at home

--- 28 ---
OBJECT 28
MATERIAL: PLASTIC
FUNCTION: toothbrush bag
LOCATION: near harlem, USA
TIME: 27 september
COLOUR: transparent / white
EVENT: online shopping / toothbrush bag

--- 29 ---
OBJECT 29
MATERIAL: PLASTIC
FUNCTION: container of garlic
LOCATION: near harlem, USA
TIME: 26 september
COLOUR: semi-transparent
EVENT: keyfood grocery shopping

--- 30 ---
OBJECT 30
MATERIAL: PLASTIC
FUNCTION: water bottle
LOCATION: near Columbia university, USA
TIME: 1 October
COLOUR: transparent
EVENT: drinking water at architecture studio

--- 31 ---
OBJECT 31
MATERIAL: PLASTIC
FUNCTION: wrapping paper
LOCATION: near harlem, USA
TIME: 28 september
COLOUR: transparent
EVENT: wrapping paper from house moving

--- 32 ---
OBJECT 32
MATERIAL: PLASTIC
FUNCTION: wrapping paper
LOCATION: near harlem, USA
TIME: 28 september
COLOUR: green
EVENT: Wrapping paper of kasberg beer

Action 4
02 OCTOBER – 09 OCTOBER 2019



Action 4

02 OCTOBER – 09 OCTOBER 2019

--- 1 ---
 OBJECT 1
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: JFK airport, USA
 TIME: 5 October
 COLOUR: white with printed information
 EVENT: duty-free shopping bag at the JFK airport

--- 2 ---
 OBJECT 2
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: McNulty's Tea & Coffee Co, USA
 TIME: 2 October
 COLOUR: white with printed information
 EVENT: shopping at McNulty's Tea & Coffee for coffee beans

--- 3 ---
 OBJECT 3
 MATERIAL: PLASTIC
 FUNCTION: trash bag
 LOCATION: near harlem, USA
 TIME: 3 October
 COLOUR: black
 EVENT: used trash bag from home

--- 4 ---
 OBJECT 4
 MATERIAL: PLASTIC
 FUNCTION: sparkling water bottle
 LOCATION: near harlem, USA
 TIME: 2 October
 COLOUR: green
 EVENT: sparkling drink water at home

--- 5 ---
 OBJECT 5
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near harlem, USA
 TIME: 3 October
 COLOUR: transparent
 EVENT: drink water at home

--- 6 ---
 OBJECT 6
 MATERIAL: PLASTIC
 FUNCTION: seal bag
 LOCATION: near harlem, USA
 TIME: 2 October
 COLOUR: transparent
 EVENT: seal bag for cooked vegetable

--- 7 ---
 OBJECT 7
 MATERIAL: PLASTIC
 FUNCTION: toothpaste container
 LOCATION: near harlem, USA
 TIME: 4 October
 COLOUR: transparent
 EVENT: household used container of toothpaste

--- 8 ---
 OBJECT 8
 MATERIAL: PLASTIC
 FUNCTION: fork
 LOCATION: Columbia University, USA
 TIME: 3 October
 COLOUR: off-white
 EVENT: eating tool for lunch box

--- 9 ---
 OBJECT 9
 MATERIAL: PLASTIC
 FUNCTION: fork
 LOCATION: Columbia University, USA
 TIME: 3 October
 COLOUR: off-white
 EVENT: eating tool for lunch box

--- 10 ---
 OBJECT 10
 MATERIAL: PLASTIC
 FUNCTION: fork
 LOCATION: Columbia University, USA
 TIME: 4 October
 COLOUR: off-white
 EVENT: eating tool for lunch box

--- 11 ---
 OBJECT 11
 MATERIAL: PLASTIC
 FUNCTION: shopping bag
 LOCATION: near harlem, USA
 TIME: 4 October
 COLOUR: transparent
 EVENT: used shopping bag

--- 12 ---
 OBJECT 12
 MATERIAL: PLASTIC
 FUNCTION: seal bag for food
 LOCATION: near harlem, USA
 TIME: 4 October
 COLOUR: transparent
 EVENT: seal bag of trader joe's dumplings

--- 13 ---
 OBJECT 13
 MATERIAL: PLASTIC
 FUNCTION: container of chocolate
 LOCATION: Seoul, Korea
 TIME: 8 October
 COLOUR: transparent
 EVENT: chocolate from stree vender

--- 14 ---
 OBJECT 14
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near Columbia University, USA
 TIME: 3 October
 COLOUR: transparent
 EVENT: used water bottle at architecture studio

--- 15 ---
 OBJECT 15
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near Columbia University, USA
 TIME: 3 October
 COLOUR: transparent
 EVENT: used water bottle at architecture studio

--- 16 ---
 OBJECT 16
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near Harlem, USA
 TIME: 4 October
 COLOUR: transparent
 EVENT: used water bottle at home

--- 17 ---
 OBJECT 17
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near Harlem, USA
 TIME: 3 October
 COLOUR: transparent
 EVENT: used water bottle at home

--- 18 ---
 OBJECT 18
 MATERIAL: PLASTIC
 FUNCTION: water bottle
 LOCATION: near Harlem, USA
 TIME: 5 October
 COLOUR: transparent
 EVENT: used water bottle at architecture studio

--- 19 ---
 OBJECT 19
 MATERIAL: PLASTIC
 FUNCTION: shopping bag
 LOCATION: JFK airport, USA
 TIME: 5 October
 COLOUR: off-white
 EVENT: shopping at duty-free area in the airport of JFK

--- 20 ---
 OBJECT 20
 MATERIAL: PLASTIC
 FUNCTION: wrapping bag
 LOCATION: JFK airport, USA
 TIME: 5 October
 COLOUR: transparent with printed information
 EVENT: shopping at duty-free area in the airport of JFK

--- 21 ---
 OBJECT 21
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 7 October
 COLOUR: semi-transparent
 EVENT: bag for one-time use tooth brush / hotel

--- 22 ---
 OBJECT 21
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 9 October
 COLOUR: semi-transparent
 EVENT: bag for one-time use tooth brush / hotel

--- 23 ---
 OBJECT 23
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 7 October
 COLOUR: transparent / red
 EVENT: hotel one-time use tooth brush

--- 24 ---
 OBJECT 23
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 9 October
 COLOUR: transparent / blue
 EVENT: hotel one-time use tooth brush

--- 25 ---
 OBJECT 25
 MATERIAL: PLASTIC
 FUNCTION: eye mask
 LOCATION: flight from JFK to ICN
 TIME: 5 October
 COLOUR: grey / black
 EVENT: eye mask for flight from JFK to ICN

--- 26 ---
 OBJECT 26
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Harlem, USA
 TIME: 4 October
 COLOUR: white
 EVENT: grocery shopping bag at keyfood

--- 27 ---
 OBJECT 27
 MATERIAL: PLASTIC
 FUNCTION: wrapping paper
 LOCATION: Harlem, USA
 TIME: 3 October
 COLOUR: transparent
 EVENT: wrapping paper for online shopping

--- 28 ---
 OBJECT 28
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: flight from JFK to ICN
 TIME: 5 October
 COLOUR: semi-transparent
 EVENT: eye mask used on the flight from JFK to ICN

--- 29 ---
 OBJECT 29
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Harlem, USA
 TIME: 4 October
 COLOUR: white
 EVENT: grocery shopping bag at foodtown

--- 30 ---
 OBJECT 30
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 6 October
 COLOUR: white
 EVENT: grocery shopping bag from street vender

--- 31 ---
 OBJECT 31
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: JFK airport, USA
 TIME: 5 October
 COLOUR: white with printed information
 EVENT: duty-free shopping bag at the JFK airport

--- 32 ---
 OBJECT 32
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 8 October
 COLOUR: black
 EVENT: shopping bag from street vender

--- 33 ---
 OBJECT 33
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: JFK airport, USA
 TIME: 5 October
 COLOUR: white with printed information
 EVENT: duty-free shopping bag at the JFK airport

--- 34 ---
 OBJECT 34
 MATERIAL: PLASTIC
 FUNCTION: container of blueberry fruit
 LOCATION: Harlem, USA
 TIME: 4 October
 COLOUR: transparent
 EVENT: container of blueberry from street green cart

--- 35 ---
 OBJECT 35
 MATERIAL: PLASTIC
 FUNCTION: shopping bag
 LOCATION: Seoul, Korea
 TIME: 8 October
 COLOUR: pink
 EVENT: shopping bag from the street vendor

--- 36 ---
 OBJECT 36
 MATERIAL: PLASTIC
 FUNCTION: bag
 LOCATION: Seoul, Korea
 TIME: 7 October
 COLOUR: transparent
 EVENT: protect bag of facial mask

--- 37 ---
 OBJECT 37
 MATERIAL: PLASTIC
 FUNCTION: container of toy
 LOCATION: Seoul, Korea
 TIME: 6 October
 COLOUR: transparent
 EVENT: rectangle container of toy from a toy shop

--- 38 ---
 OBJECT 39
 MATERIAL: PLASTIC
 FUNCTION: container of vegetable
 LOCATION: wholefood near Harlem, USA
 TIME: 3 October
 COLOUR: transparent with tag paper
 EVENT: rectangle container of baby spinach

--- 39 ---
 OBJECT 39
 MATERIAL: PLASTIC and Cotton thread
 FUNCTION: bag for fruit
 LOCATION: wholefood near Harlem, USA
 TIME: 4 October
 COLOUR: transparent / green
 EVENT: a bag of lime from wholefood

Action 5
09 OCTOBER – 16 OCTOBER 2019



Action 5

09 OCTOBER – 16 OCTOBER 2019

- 1 ---
 OBJECT 1
 MATERIAL: PLASTIC
 FUNCTION: vegetable container bag
 LOCATION: Harlem, usa
 TIME: 14 October, 2019
 COLOUR: transparent with print colour
 EVENT: gorcery shopping, asparagus
- 2 ---
 OBJECT 2
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 15 October, 2019
 COLOUR: transparent with printed colour
 EVENT: clothes online shopping from the UK ASOS
- 3 ---
 OBJECT 3
 MATERIAL: PVC
 FUNCTION: Vegetable container
 LOCATION: Harlem, usa
 TIME: 14 October, 2019
 COLOUR: Black
 EVENT: gorcery shopping, asparagus
- 4 ---
 OBJECT 4
 MATERIAL: PVC
 FUNCTION: Vegetable container
 LOCATION: Harlem, usa
 TIME: 14 October, 2019
 COLOUR: Black
 EVENT: gorcery shopping, asparagus
- 5 ---
 OBJECT 5
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 15 October, 2019
 COLOUR: transparent with print colour
 EVENT: clothes online shopping from the UK ASOS
- 6 ---
 OBJECT 6
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 15 October, 2019
 COLOUR: transparent with print colour
 EVENT: clothes online shopping from the UK ASOS
- 7 ---
 OBJECT 7
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 14 October, 2019
 COLOUR: transparent with print colour
 EVENT: shoes online shopping
- 8 ---
 OBJECT 8
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: near Columbia university, usa
 TIME: 16 October, 2019
 COLOUR: yellow
 EVENT: tissue bag

--- 9 ---
 OBJECT 9
 MATERIAL: PLASTIC
 FUNCTION: water container
 LOCATION: near Columbia university, usa
 TIME: 10 October, 2019
 COLOUR: transparent
 EVENT: drinking water at the architecture studio GSAPP

--- 10 ---
 OBJECT 10
 MATERIAL: PLASTIC
 FUNCTION: fruit container
 LOCATION: near Columbia university, usa
 TIME: 10 October, 2019
 COLOUR: transparent
 EVENT: plum tomato container

--- 11 ---
 OBJECT 11
 MATERIAL: PLASTIC
 FUNCTION: fruit container
 LOCATION: Harlem, usa
 TIME: 12 October, 2019
 COLOUR: transparent with printed tag
 EVENT: golden kiwi container

--- 12 ---
 OBJECT 12
 MATERIAL: PLASTIC
 FUNCTION: cushion packaging bag
 LOCATION: Harlem, usa
 TIME: 13 October, 2019
 COLOUR: transparent
 EVENT: cushion packaging bag of Amazon online shopping

--- 13 ---
 OBJECT 13
 MATERIAL: PLASTIC
 FUNCTION: vegetable bag
 LOCATION: Harlem, usa
 TIME: 110 October, 2019
 COLOUR: transparent
 EVENT: grocery shopping at key food, 2 apples

--- 14 ---
 OBJECT 14
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 12 October, 2019
 COLOUR: transparent with print colour
 EVENT: clothes online shopping from the UK ASOS

--- 15 ---
 OBJECT 15
 MATERIAL: PLASTIC
 FUNCTION: natto container
 LOCATION: Harlem, usa
 TIME: 9 October, 2019
 COLOUR: transparent with print colour
 EVENT: wrapping bag of Natto

--- 16 ---
 OBJECT 16
 MATERIAL: PLASTIC
 FUNCTION: fruit container
 LOCATION: near Columbia university, usa
 TIME: 16 October, 2019
 COLOUR: transparent with print tag
 EVENT: blueberry container, grocery shop at wholefood near Harlem

--- 17 ---
 OBJECT 17
 MATERIAL: PLASTIC
 FUNCTION: bakery package
 LOCATION: near Columbia university, usa
 TIME: 11 October, 2019
 COLOUR: transparent with print tag
 EVENT: croissant bag from bakery shop

--- 18 ---
 OBJECT 18
 MATERIAL: PLASTIC
 FUNCTION: air balloon
 LOCATION: near harlem, usa
 TIME: 10 October, 2019
 COLOUR: white
 EVENT: Conceptual model making, from the party city shop

--- 19 ---
 OBJECT 19
 MATERIAL: PLASTIC
 FUNCTION: air balloon
 LOCATION: near harlem, usa
 TIME: 10 October, 2019
 COLOUR: white
 EVENT: Conceptual model making, from the party city shop

--- 20 ---
 OBJECT 20
 MATERIAL: PLASTIC
 FUNCTION: water container
 LOCATION: JFK airport, USA
 TIME: 9 October, 2019
 COLOUR: transparent with printed tag
 EVENT: drinking water from flight

--- 21 ---
 OBJECT 21
 MATERIAL: PLASTIC
 FUNCTION: food container cap
 LOCATION: near Columbia University, USA
 TIME: 12 October, 2019
 COLOUR: transparent
 EVENT: nuts container, grocery shopping

--- 22 ---
 OBJECT 22
 MATERIAL: PLASTIC
 FUNCTION: water cup
 LOCATION: near Columbia University, USA
 TIME: 10 October, 2019
 COLOUR: transparent
 EVENT: drinking water cup

--- 23 ---
 OBJECT 23
 MATERIAL: PLASTIC
 FUNCTION: water cup
 LOCATION: near Columbia University, USA
 TIME: 11 October, 2019
 COLOUR: transparent
 EVENT: drinking water cup

--- 24 ---
 OBJECT 24
 MATERIAL: PLASTIC
 FUNCTION: water cup
 LOCATION: near Columbia University, USA
 TIME: 11 October, 2019
 COLOUR: transparent
 EVENT: drinking water cup at architecture studio

--- 25 ---
 OBJECT 25
 MATERIAL: PLASTIC
 FUNCTION: water cup
 LOCATION: near Columbia University, USA
 TIME: 14 October, 2019
 COLOUR: transparent
 EVENT: drinking water cup at lecture

--- 26 ---
 OBJECT 26
 MATERIAL: PLASTIC
 FUNCTION: water cup
 LOCATION: near Columbia University, USA
 TIME: 106October, 2019
 COLOUR: transparent
 EVENT: drinking water cup

--- 27 ---
 OBJECT 27
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 15 October, 2019
 COLOUR: transparent with print colour
 EVENT: clothes online shopping from the UK ASOS

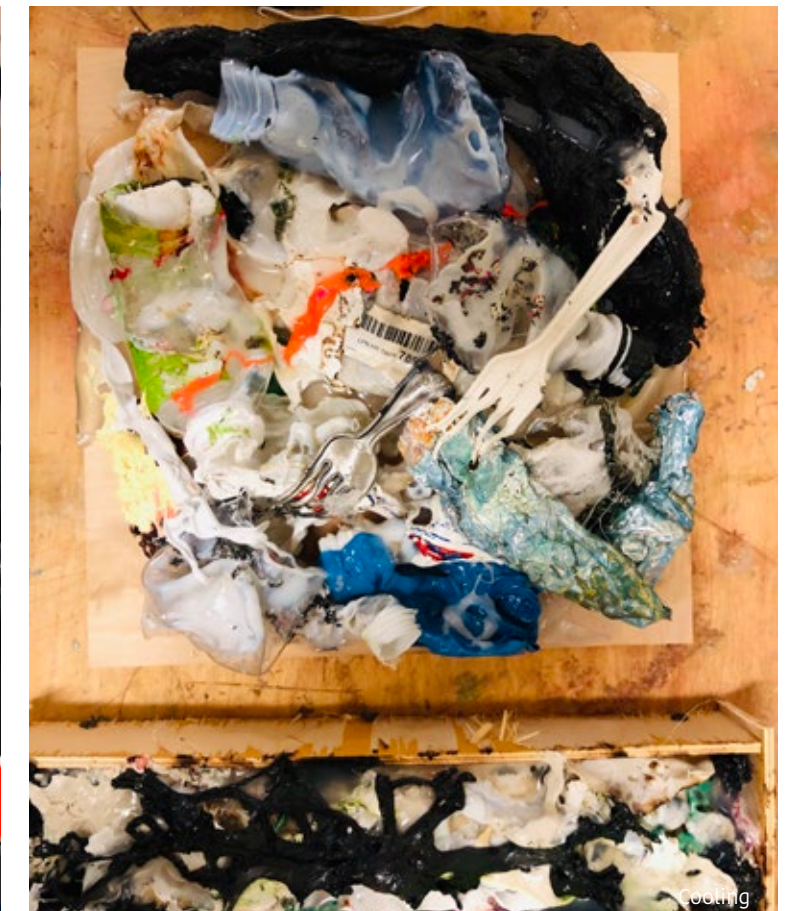
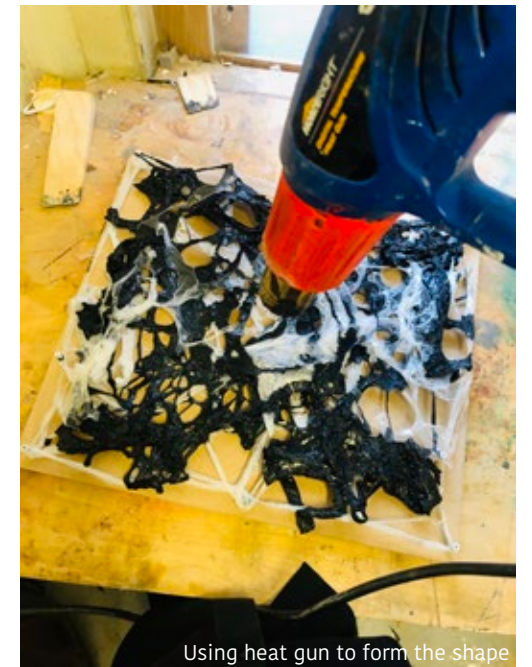
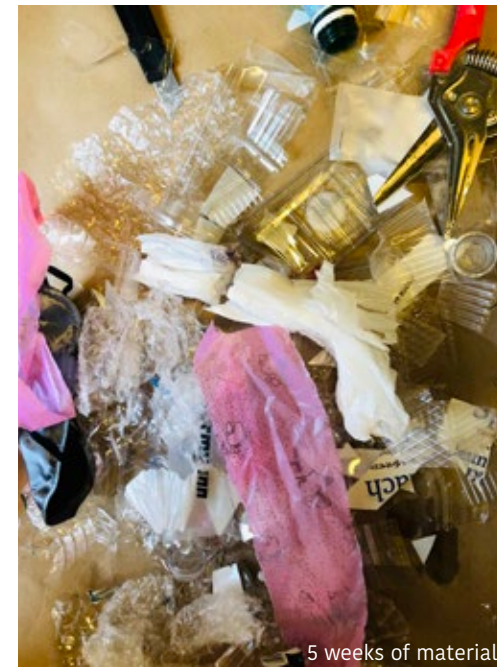
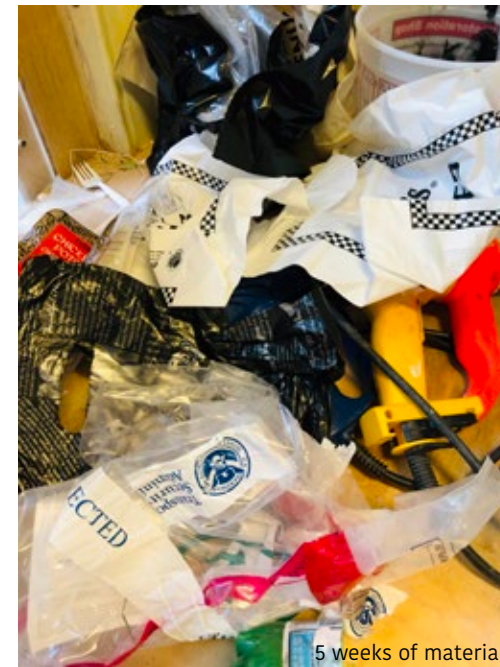
--- 28 ---
 OBJECT 28
 MATERIAL: PLASTIC
 FUNCTION: grocery shopping bag
 LOCATION: Harlem, usa
 TIME: 16 October, 2019
 COLOUR: white with printed colour
 EVENT: grocery shopping bag

--- 29 ---
 OBJECT 29
 MATERIAL: PLASTIC
 FUNCTION: waterproof bag
 LOCATION: Harlem, usa
 TIME: 110 October, 2019
 COLOUR: white with printed colour
 EVENT: mail waterproof bag of USPS

--- 30 ---
 OBJECT 30
 MATERIAL: PLASTIC
 FUNCTION: food container
 LOCATION: near Columbia University, USA
 TIME: 12 October, 2019
 COLOUR: transparent
 EVENT: nuts container, grocery shopping

--- 31 ---
 OBJECT 31
 MATERIAL: PLASTIC
 FUNCTION: online shopping wrapping bag
 LOCATION: Harlem, usa
 TIME: 16 October, 2019
 COLOUR: transparent with printed colour
 EVENT: shoes online shopping from the UK ASOS

COLLECTION & FABRICATION PROCESS





Exhibition at Avery building, GSAPP 2019



Detail, GSAPP 2019



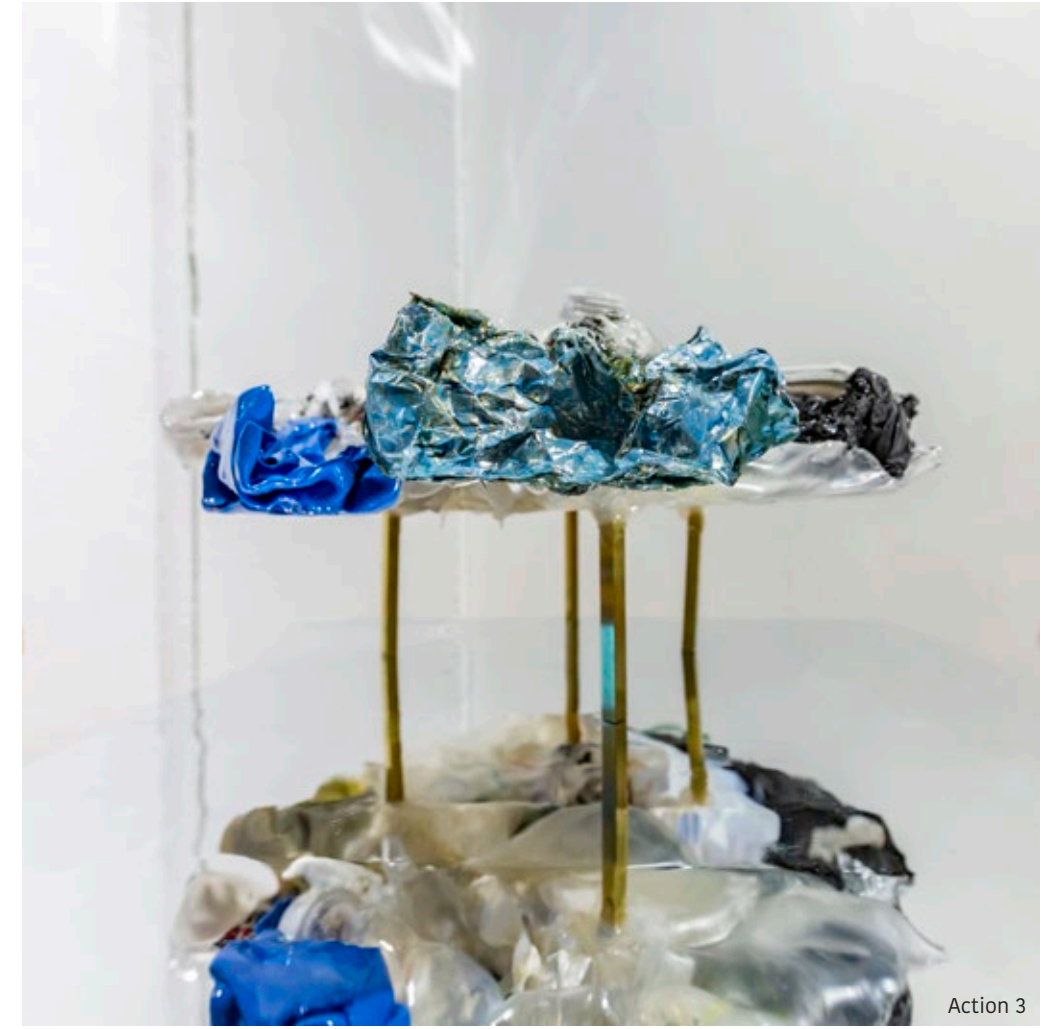
Exhibition at Avery building, GSAPP 20



Action 5. Three forms documentary; Text, sculpture and photography, photo: CJ



Action 4



Action 3



Action 2



Action 1

UNWANTED WATER



Unwanted Waters aims to protect an unwanted fish species that currently populate the Hudson River. These species have been mutated by human-caused pollution resulting from the removal of an unwanted community that previously inhabited the area. Throughout the history of Hudson River Park, several entities have been labeled “unwanted”. This project aims to revive the memory of a formerly unwanted community—the LGBTQ community—to create an environment for unwanted species that relies on the reuse of unwanted waste from the city.

Through the process of burning, oyster waste is transformed into a new material—calcium dioxide—that can be cast and returned to the water to remove pollutants. Our project expands this chemical process into the landscape to create a different “nature.” Unwanted oyster shells from the city are burned and cast into queer statues that remediate water pollution. The landscape located above the water is used to create a new one below.

UNWANTED MUTATED /FISH

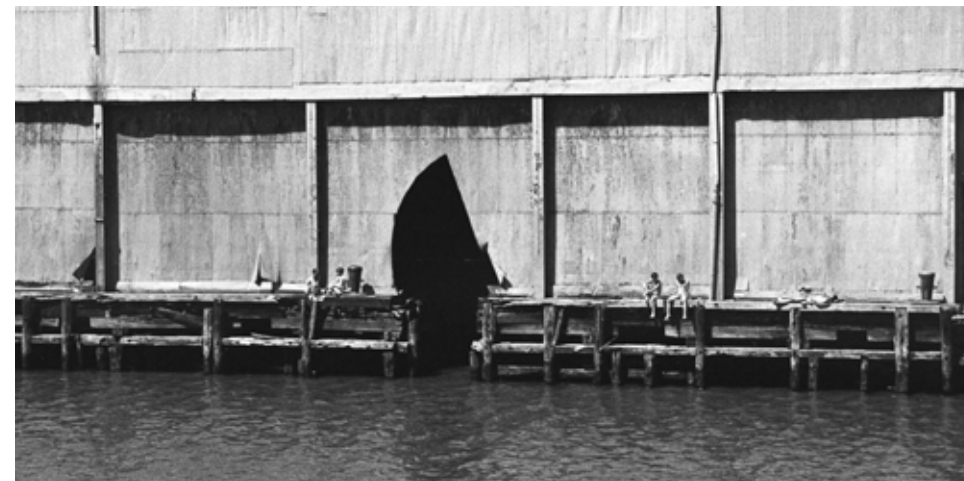


Tomcod
Source: www.fws.gov



Big Mouth Seabass
Source: www.fws.gov

UNWANTED COMMUNITY



Sunbathing on the Edge, Pier 52.
Source: The Alvin Baltrop Trust



Pier 52. A 1975 Day's End by Gordon Matta-Clark.
Source: www.academia.edu



Sunbathing. A 1976 photograph of the Chelsea piers.
Source: National Archive of Lesbian and Gay History



Picture from 1970 Stonewall riot by Diana Davies
Source: New York Public Library, Manuscripts and Archives Division



UNWANTED HUMAN TRASH



Casted Oyster shells
Source: materialdistrict.com

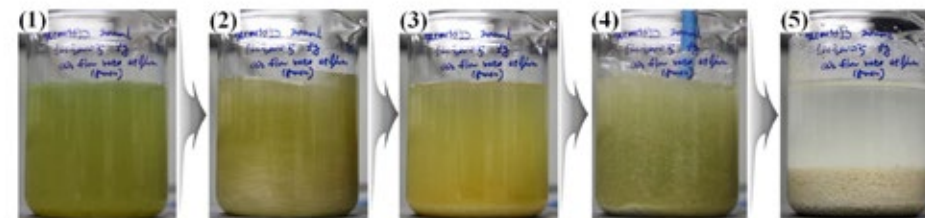
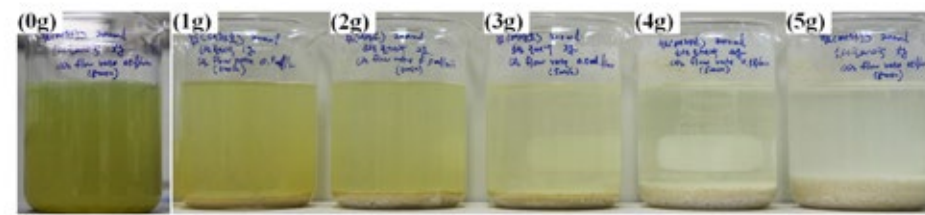


Fig. 4. Coagulation, precipitation and carbonation process of oyster shell powder for algae treatment acceleration: (1) 200 ml amount of raw algal solution, (2) agitating of the calcined powder of 5 gram, (3) coagulation and precipitation process, (4) carbonation process by CO₂ bubbling, and (5) water solution through accelerated algae treatment.



Process of water purification using burned oyster shells
Source: Journal of the Korean Ceramic Society



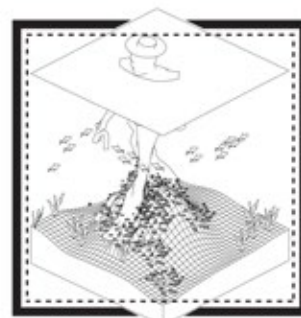
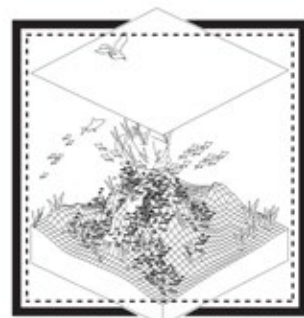
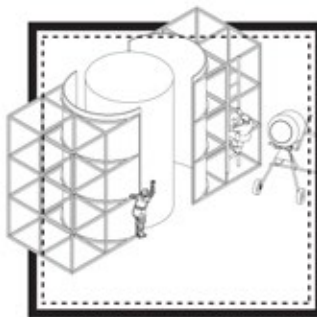
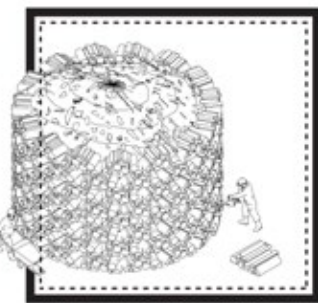
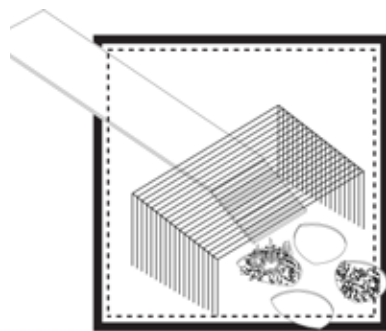
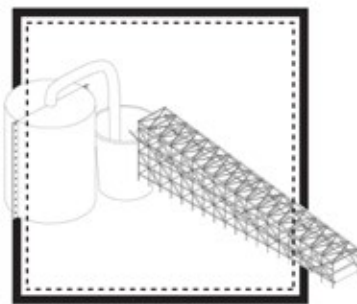
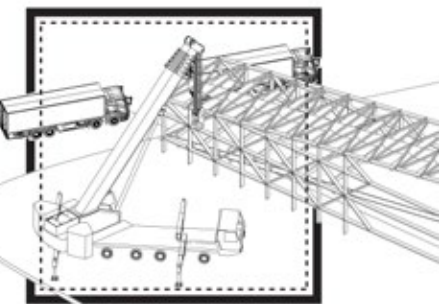
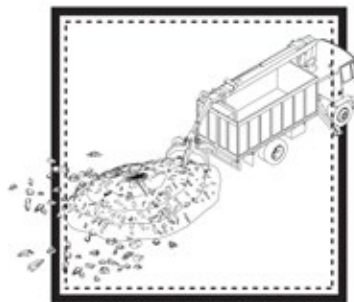
Collecting oyster waste
Source: www.kitv.com

There are many ongoing projects in Manhattan that use unwanted waste from the city, oyster shells in particular, to preserve the rivershore, like Billion oyster project that throw oyster shells in the river to preserve the land from erosion. We decided to use this unwanted waste in another way. Through the process of burning, oyster waste can be turned into a new material, calcium dioxide, that can be cast, placed in the water in order to alleviate pollutants in the river.

Our project is landscaping and expanding this chemical process in order to create a different "nature". We are connecting the High Line to a new temporary skywalk passing through the new landscape, using the terraces of the Whitney as viewing devices for our project. Using unwanted oyster shells from the city, we transform them through a calcination process, in order to cast queer statues able to alleviate the pollution of the water. We are using the landscape above water to create one below.

The skywalk is used by workers and visitors to navigate the site. Starting with the piles of oyster waste we collected, to a flat landscape of ponds where oysters are cleaned and dried, all the way to where oyster waste is burned. Treating the burning process as a ritual that happens once per month, we are creating bonfires along the river that evoke native americans ritual of regeneration. For the bonfires we are creating wooden structures celebrating the history of the pier, burning them afterwards. The this new material is hydrated and expand on site, creating expanding dynamic mountains. The last part of the journey takes place in the area of mixing and casting where we cast statues representing the Stonewall community as a celebration of the erased community that once used to inhabit the pier. The statues are gonna be placed afterwards in the river using a system of cranes and boat cranes.

We intend to design a landscape using material as clay, smoke, fire and treated oyster waste in terms of designing a landscape underwater.



Schematic diagram of processes
Source: Personal drawings



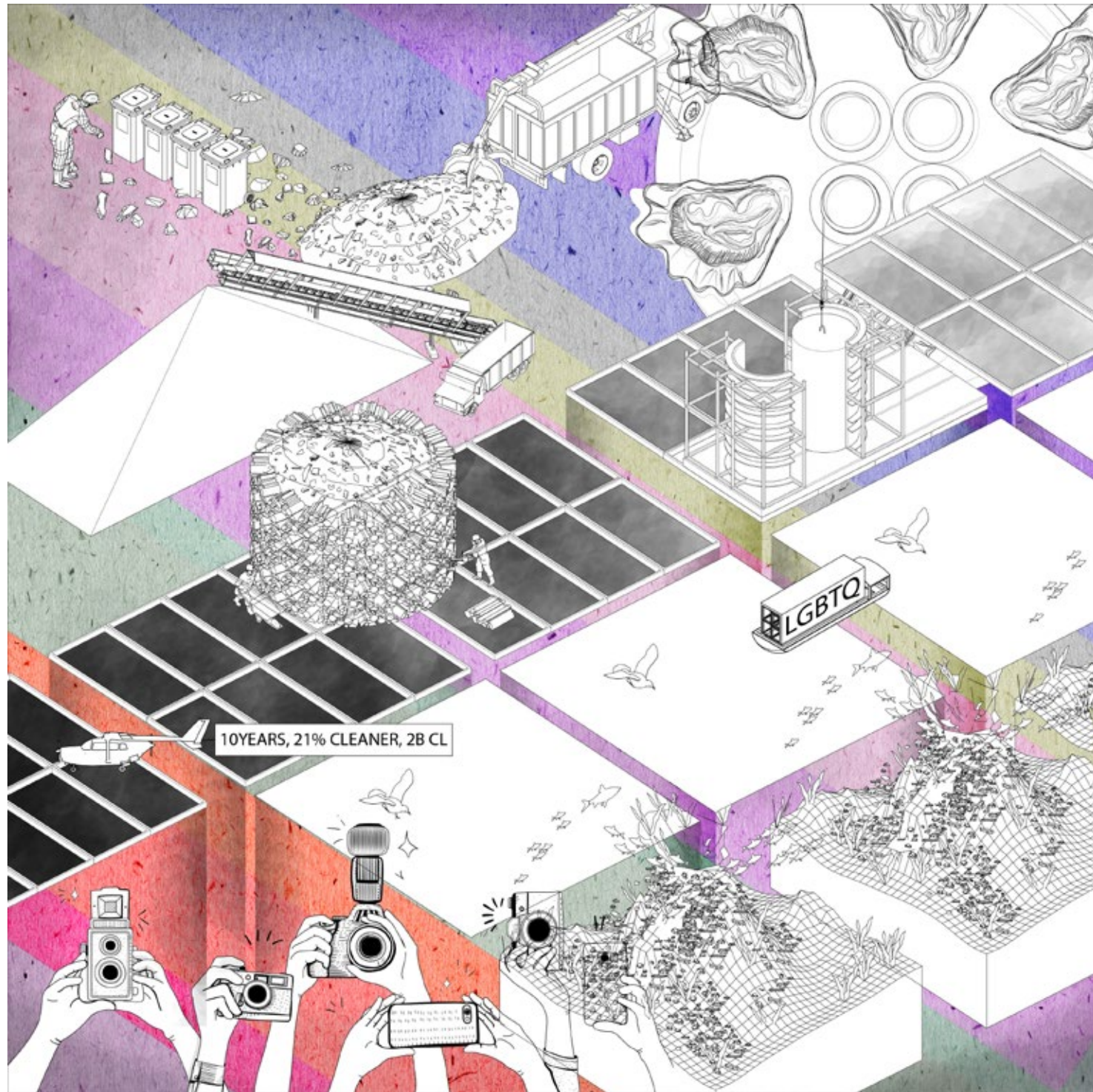
Burning oyster waste
Source: www.bedsfire.gov.uk



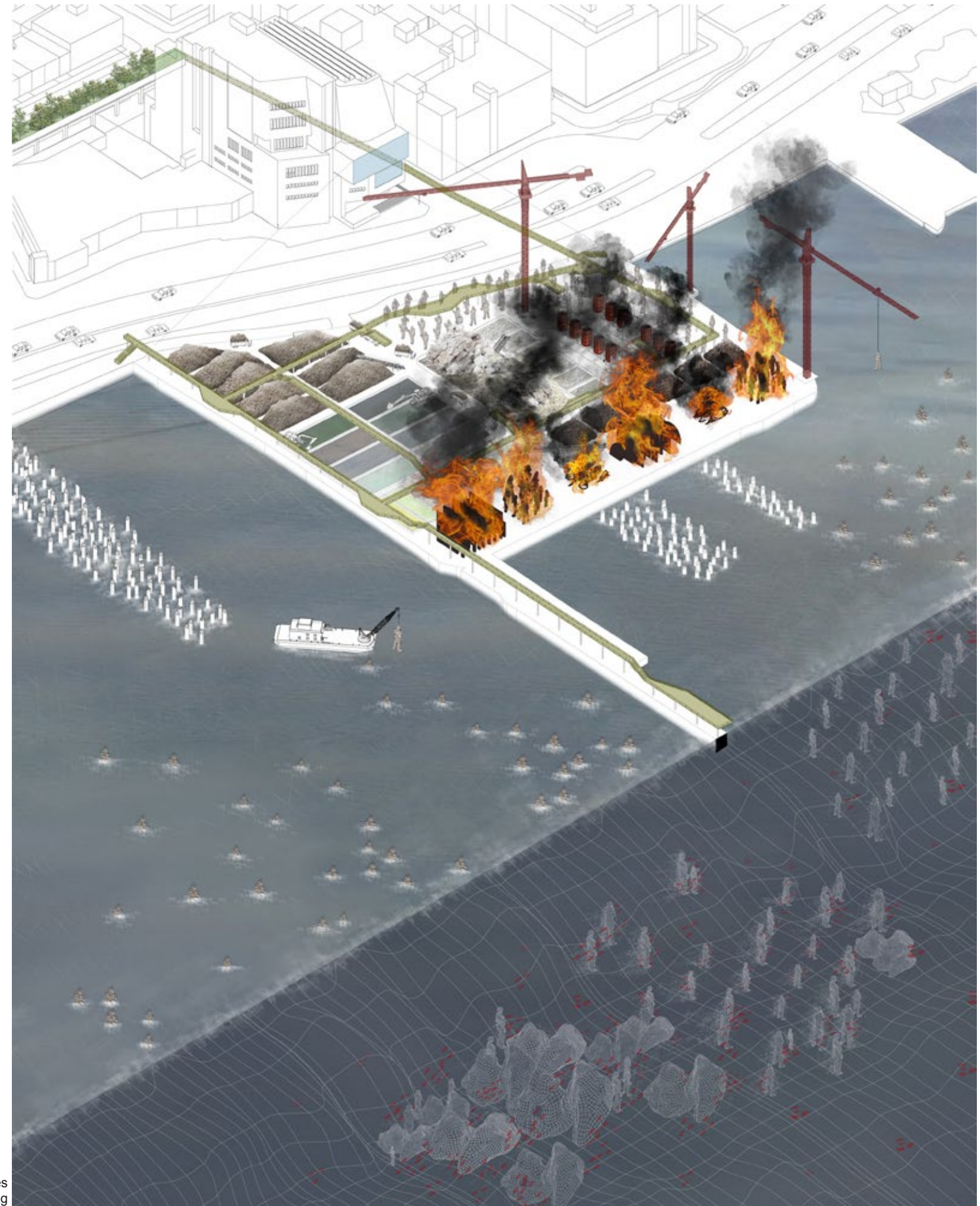
"Piles" landscape
Source: www.alcocovers.com



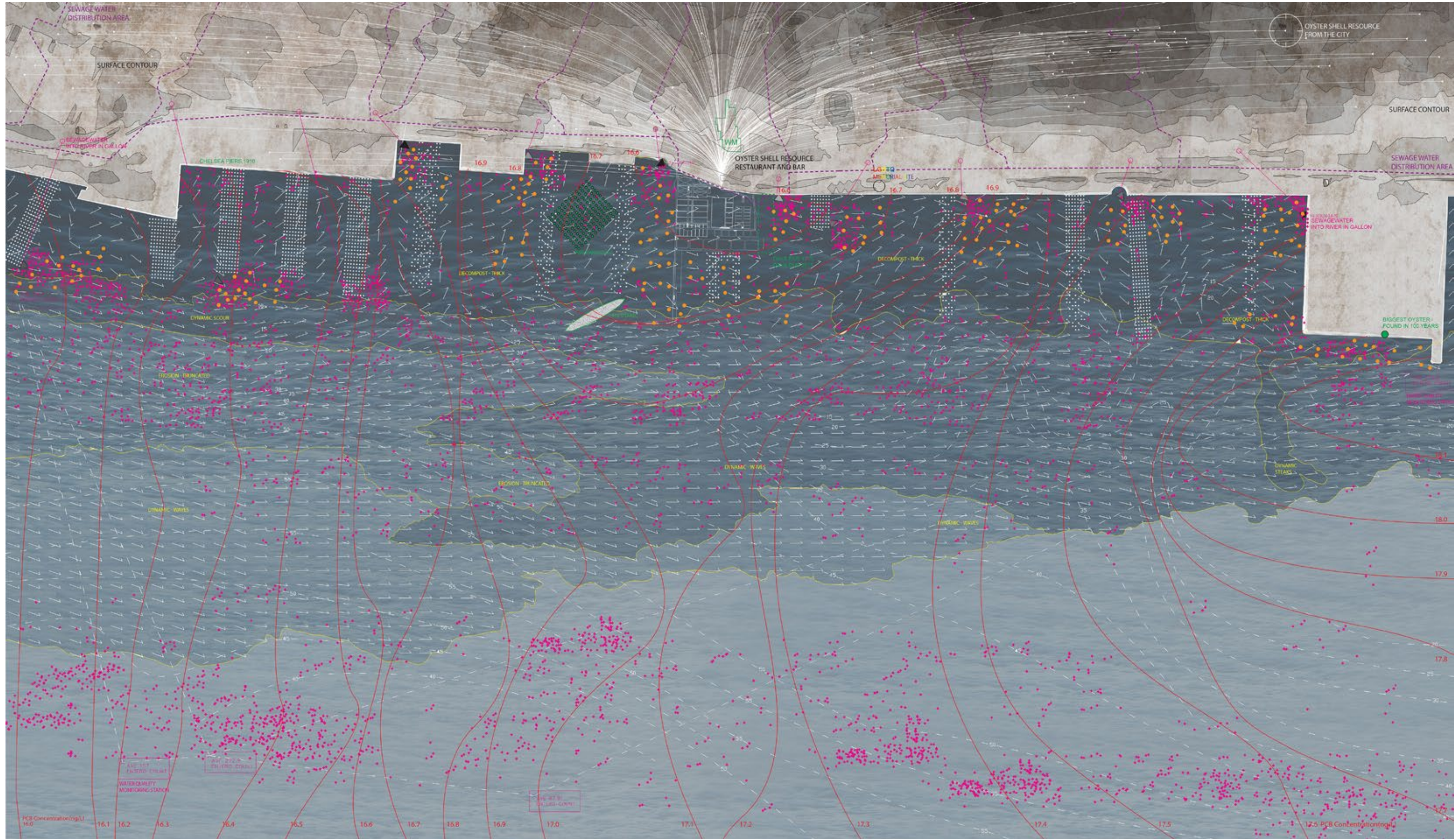
"Ponds" landscape
Source: www.washingtonpost.com



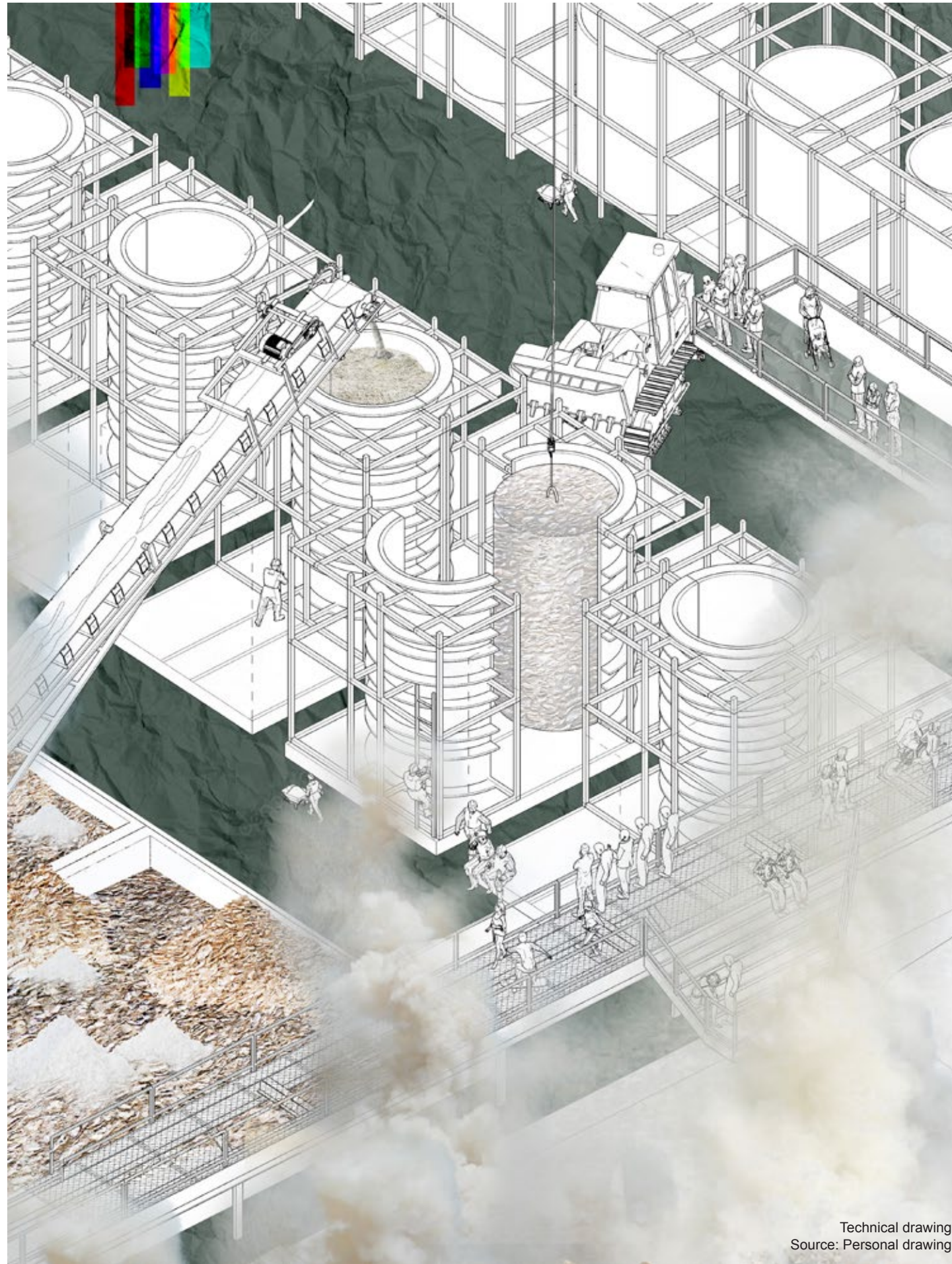
Human diagram.
Source: Personal Diagram



Axo of the processes
Source: Personal Drawing



Map of pollutants
Source: Personal Map

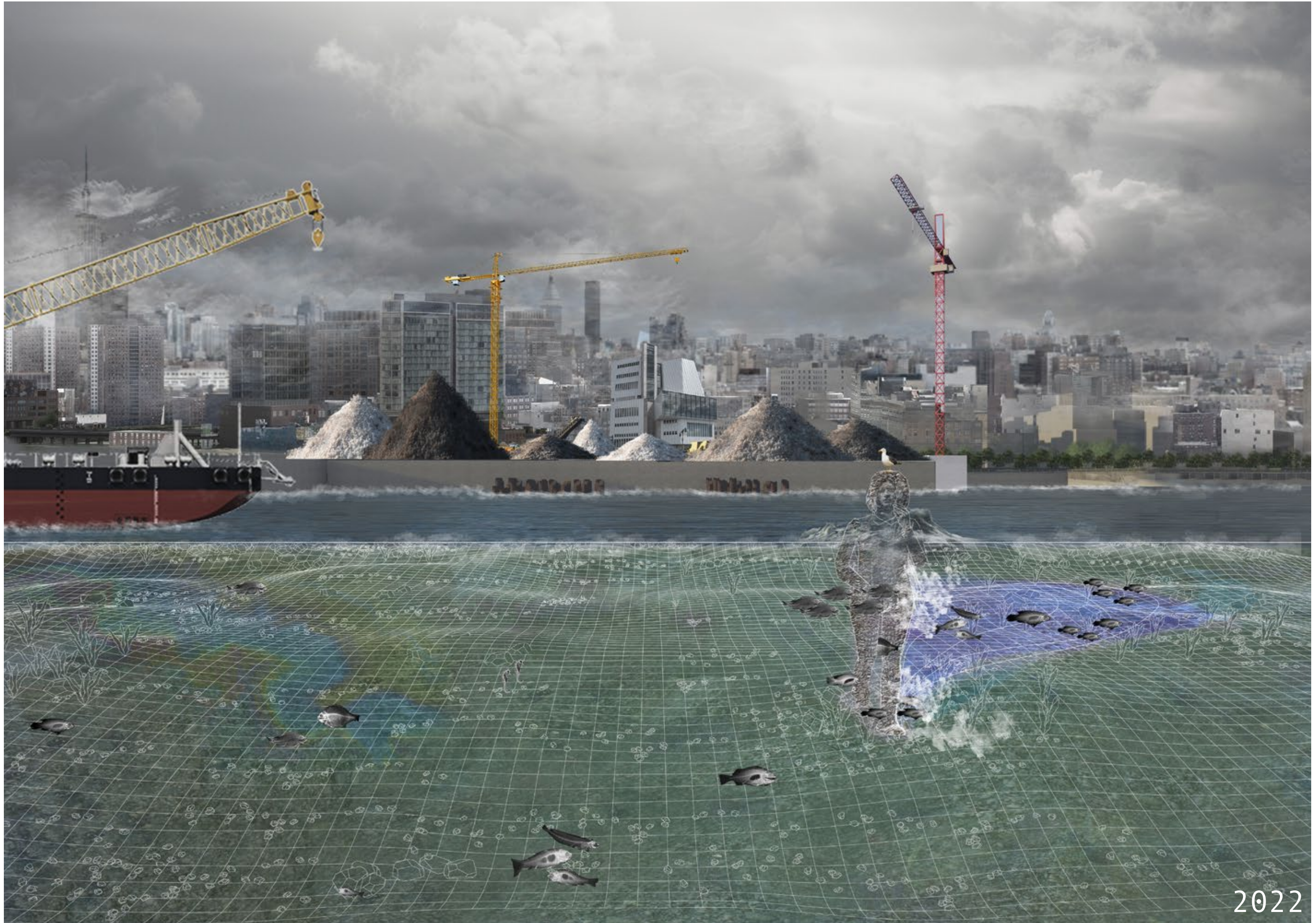


Even though the site looks empty today, the surrounding waters are inhabited by mutated fish, for this reason unwanted. The Tomcod inhabiting rivershore waters mutated due to PCBs thrown in the northern part of the Hudson, while the Bigmouth Seabass mutated because of medical pollutants arrived in the river by sewage, like birth control pills and hair care products. DDT. According to EPA there are some fish in the Hudson that are protected. So what if we protect these unwanted fish, or at least we create an appropriate environment for them to thrive? What if a "different" idea of nature emerges? One that is not focused on human leisure like Heatherwick's Pier 54 or like the High Line?

Technical drawing
Source: Personal drawing

From unwanted waste to new habitat
Source: Personal drawings









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