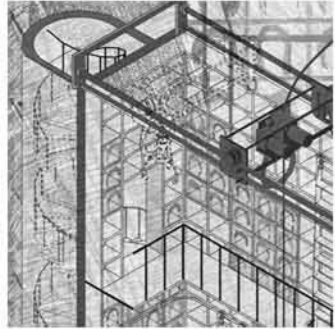




STUTI MURARKA

GSAPP PORTFOLIO

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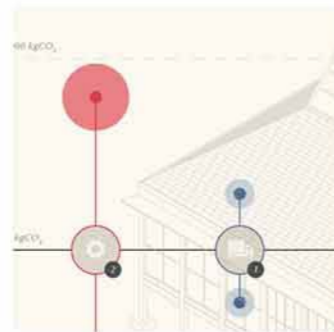


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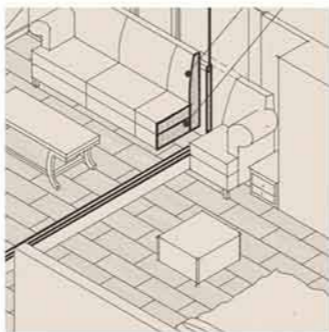
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ELECTIVES



2164 FREDRICK DOUGLAS BOULEVARD 259 WEST 116TH STREET 220 WEST 116TH STREET 207 W 116TH STREET 135 WEST 115TH STREET

4 5 7 8 11

MORNINGSIDE DR. MORNINGSIDE AVENUE HAIR PIN CHIC NAIL & SPA FREDRICK DOUGLASS BLVD KHADY BEAUTY AK BARBERSHOP PERFECT EYEBROW FENDA PROFESSIONAL BRAIDING GABARON BARBERSHOP MALCOLM X BLVD LEVELS BARBERSHOP MADISON AVENUE 110 NOTAS ELEGANT BRONS INC. LEXINGTON AVENUE GUEKEREKE BARBER SHOP D'LOKES BEAUTY SALON 2ND AVENUE

6 ROADWAY



2 SCOTT J
1 SALON 601

AMSTERDAM AVENUE

MANHATTAN AVENUE

FANTASY BEAUTY SALON

MORNINGSIDE BARBERS

ADAM CLAYTON POWELL JR. BLVD

D'YORNI HAIR SALON

HADY'S HAIR SALON

YORK MODERN BARBER

SHABAZZ MODERN BARBERSHOP

TANJUM BEAUTY SALON

HAIR DESIGN BY QUINCY

DOREE NAILS & SPA

5TH AVENUE

BEAUTIFUL BEAUTY SALON

FOREVER LUCKY NAIL & SPA

DY'S HAIR BRAIDING

REAL BEAUTY CENTER

PARK AVENUE

RANDY BARBERSHOP

MILWAUDES BARBERSHOPS

ONE PENTON WORKS

THE MAN BARBERSHOP

ENVI NAIL

116TH BARBER STUDIOS

3RD AVENUE

M Q BARBER SHOP

JCA BARBER SHOP

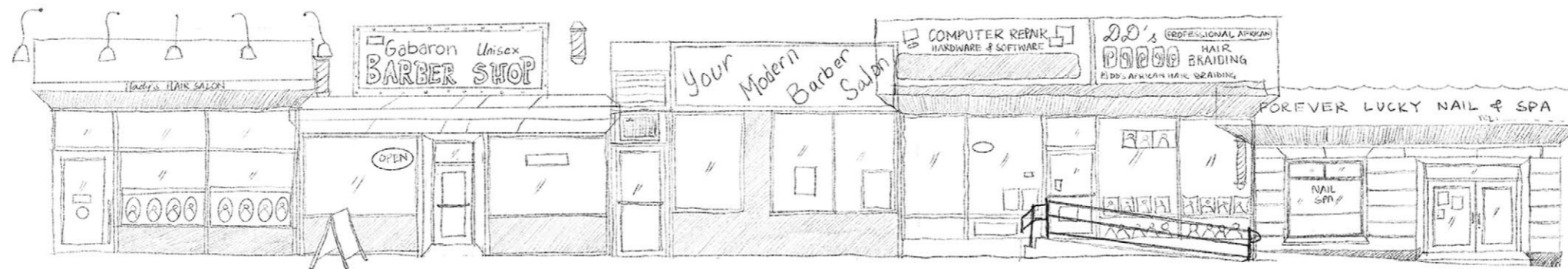
ASTECA UNISEX BARBERSHOP

ATELIER BLANC NYC

MAGIC TOUCH SALON

QUEKIDA BEAUTY SALON

ROYAL CROWN HAIR CLUB



1917 ADAM CLAYTON POWELL JR BLVD 120 W 116TH STREET 102 W 116TH STREET 1 E 116TH STREET 6 E 116TH STREET

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01

THE THIRD SPACE

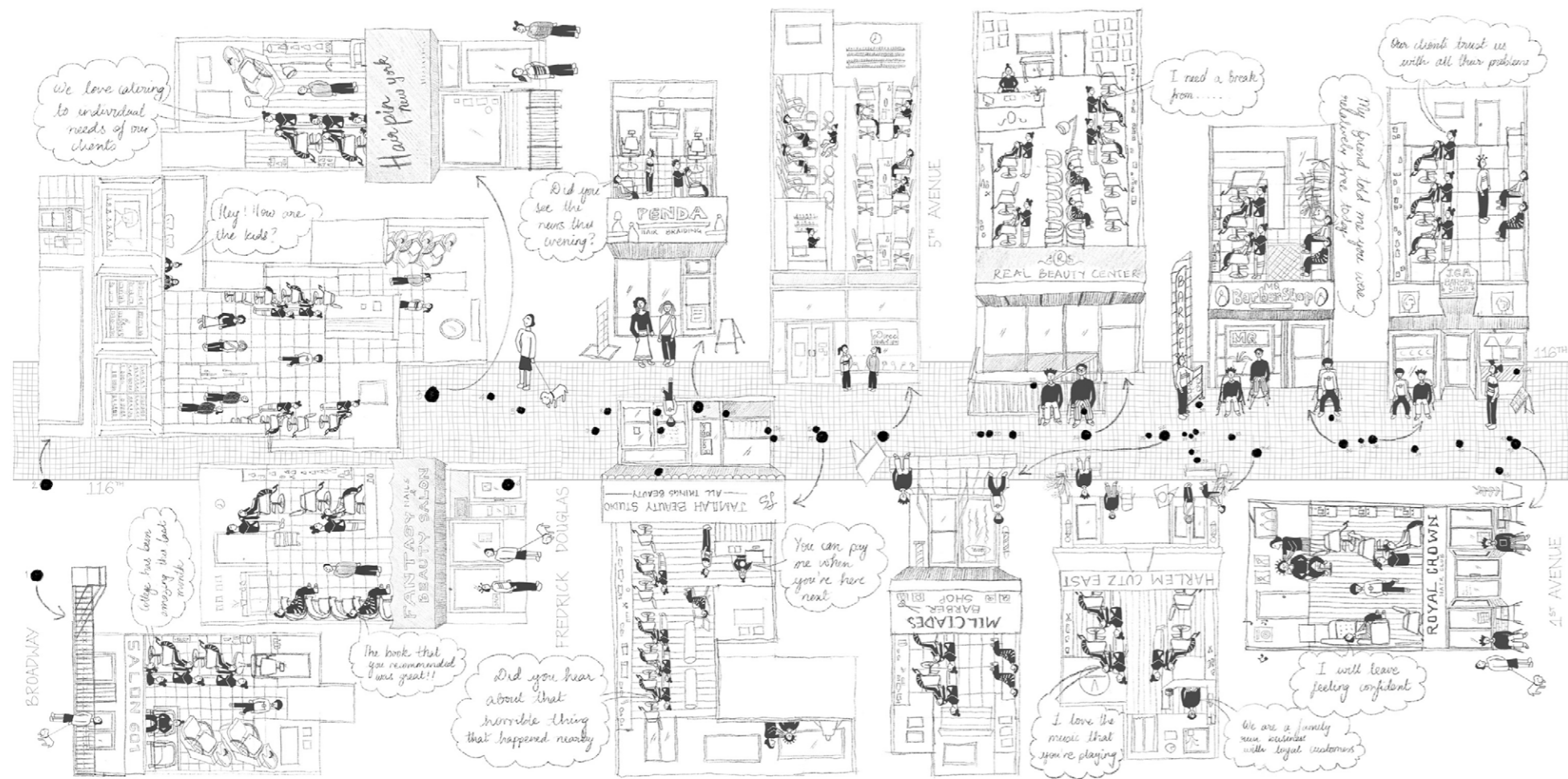
TRANSCENDING BOUNDARIES BETWEEN NEW YORK & MEXICO CITY THROUGH GROOMING SPACES

FALL 2023 ADVANCED V STUDIO
INDIVIDUAL PROJECT
MENTORS - THOMAS DE MONCHAUX AND ROZANA MONTIEL

Brief : Analyze the urban landscape along 116th Street(New York), mapping movements from West to East and connecting them to a global perspective. Exploring breaking down borders by occupying deep thresholds and habitable boundaries, viewing storefronts as gateways between two cities(New York and Mexico City). Engaging with the local community in Little Mexico NY, design site-specific interventions amplifying voices and visions. Additionally, imagine "storeback/backstory" interventions projecting conceptual conditions into chosen sites in Mexico City. The goal is to craft architectural structures that narrate tales of migration, connection and belonging.

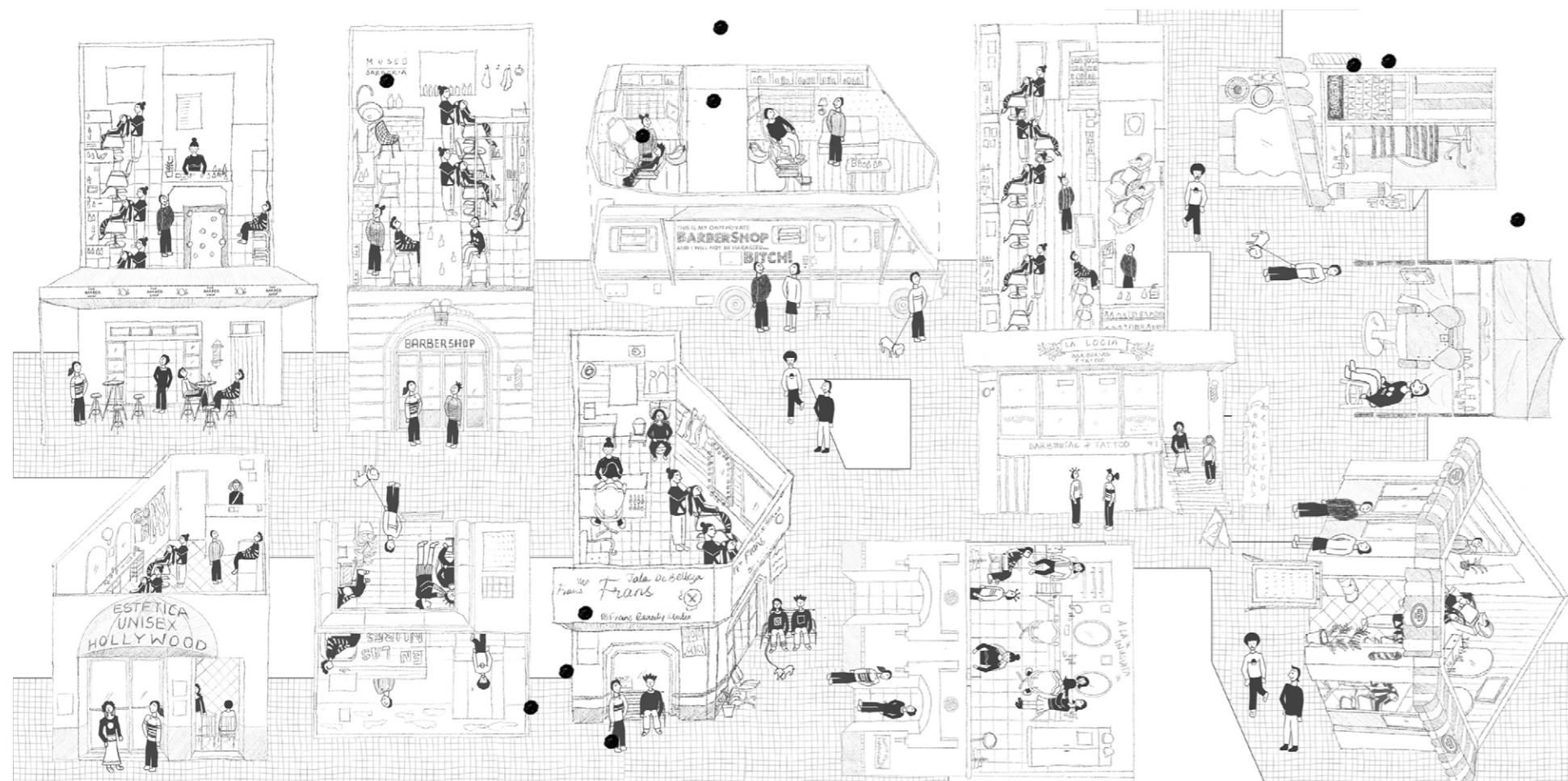
Project : Explores the idea of the city as a third space. Locating over 40 barbershops / salons across 116th Street NYC(seen in above diagram), identifies grooming as an indispensable part of the community. These grooming spaces provide an understanding of the interconnectivity between the hair, body and city. Ideas of the embodied experience vs the urban experience drive the design that tries to transcend the boundaries between NYC and CDMX. Multifaceted social interactions taking place in these spaces reveal themes of privacy in publicity as well as mutual care. These studies drive the real and surreal aspects that the design is composed of.

Psychogeographic mapping | Initial study



Psychogeographic mapping of the West-to-East translation from Columbia University to Little Mexico. Evaluating intersections between the North-to-South avenues and their role in connecting communities. Understanding the grooming spaces as in-between spaces, liminal “third spaces”.

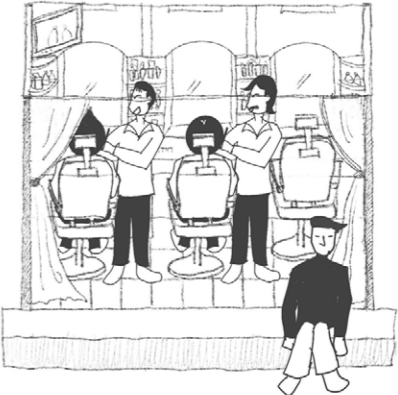
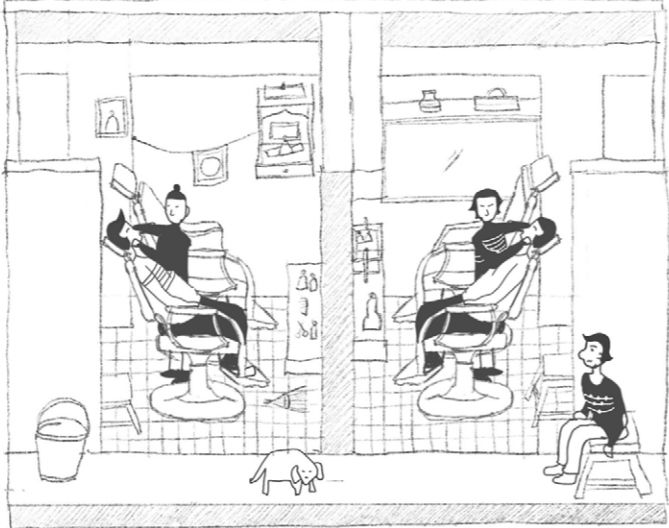
New York Map : Studying social interactions as well as change in character of grooming spaces from Columbia to Little Mexico along 116th. As we move towards the East, these spaces become more intimate and vibrant while reducing in scale.



CDMX Map : Identifying Salons / Grooming spaces across Mexico city that simultaneously integrate within them other activities such as music, tattooing, bars, gaming parlours to name a few and have myriad spatial configurations.

Continued mapping | Initial study

Hailing from Mumbai, India, the study continued by representing and studying local salons there. These function as important 'third places' in the city where a multitude of activities take place while presenting interesting degrees of interaction between different stakeholders.



Activity Study

Montages with images from all 3 cities to understand myriad activities occurring in salons apart from hair related ones. To name a few : tattoo-ing, bar counter and table, gaming spaces, match-making, therapy sessions, music listening and performances.

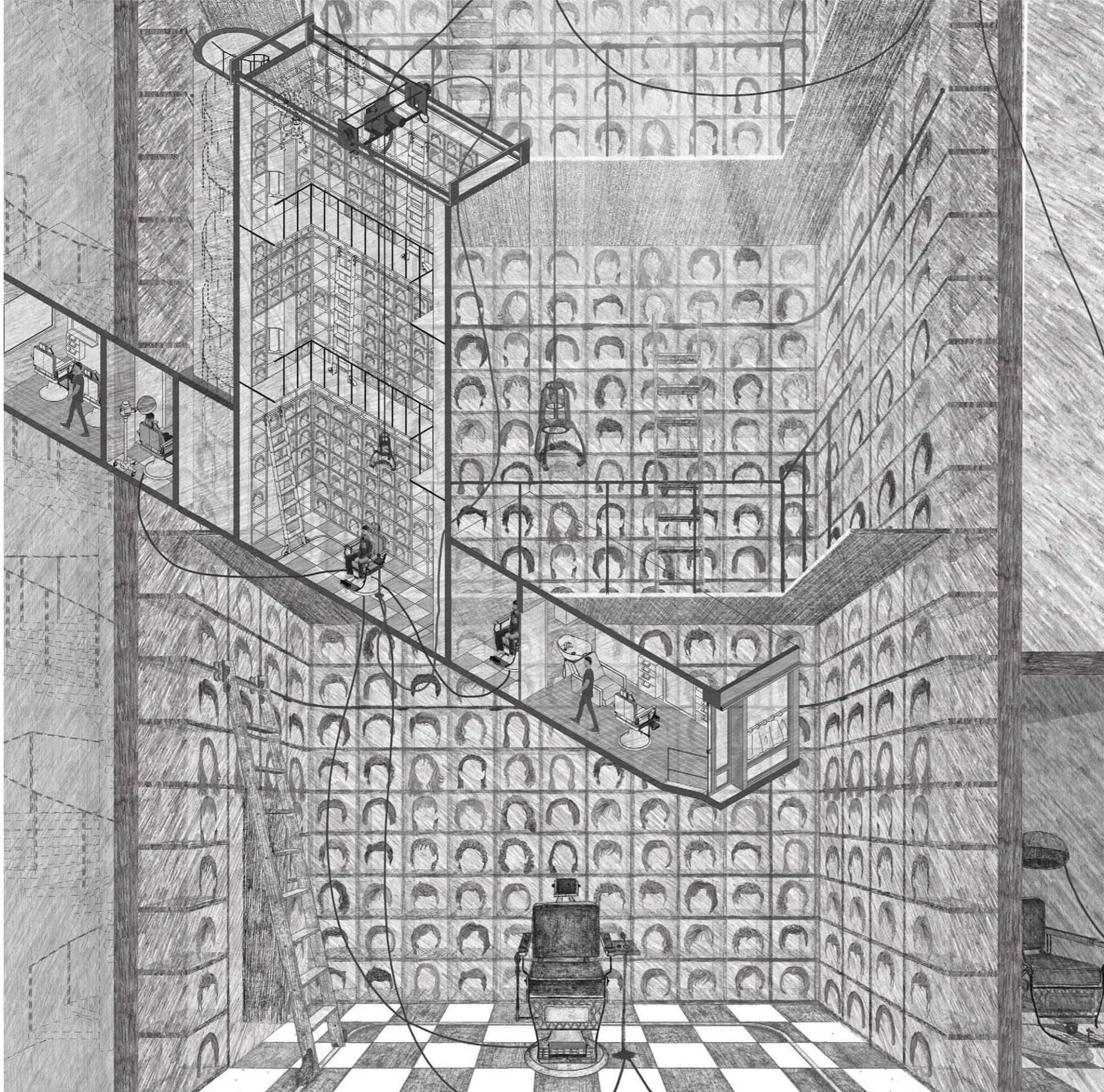


Hair as Identity | Part 2 of Initial study

Salon walls are overwhelmingly filled with posters of celebrities and their unique hairstyles. People come in demanding those 'attractive' looks for themselves so that they can boost their confidence. They aspire to be the silhouettes they see and relate to that as feeling a sense of accomplishment.



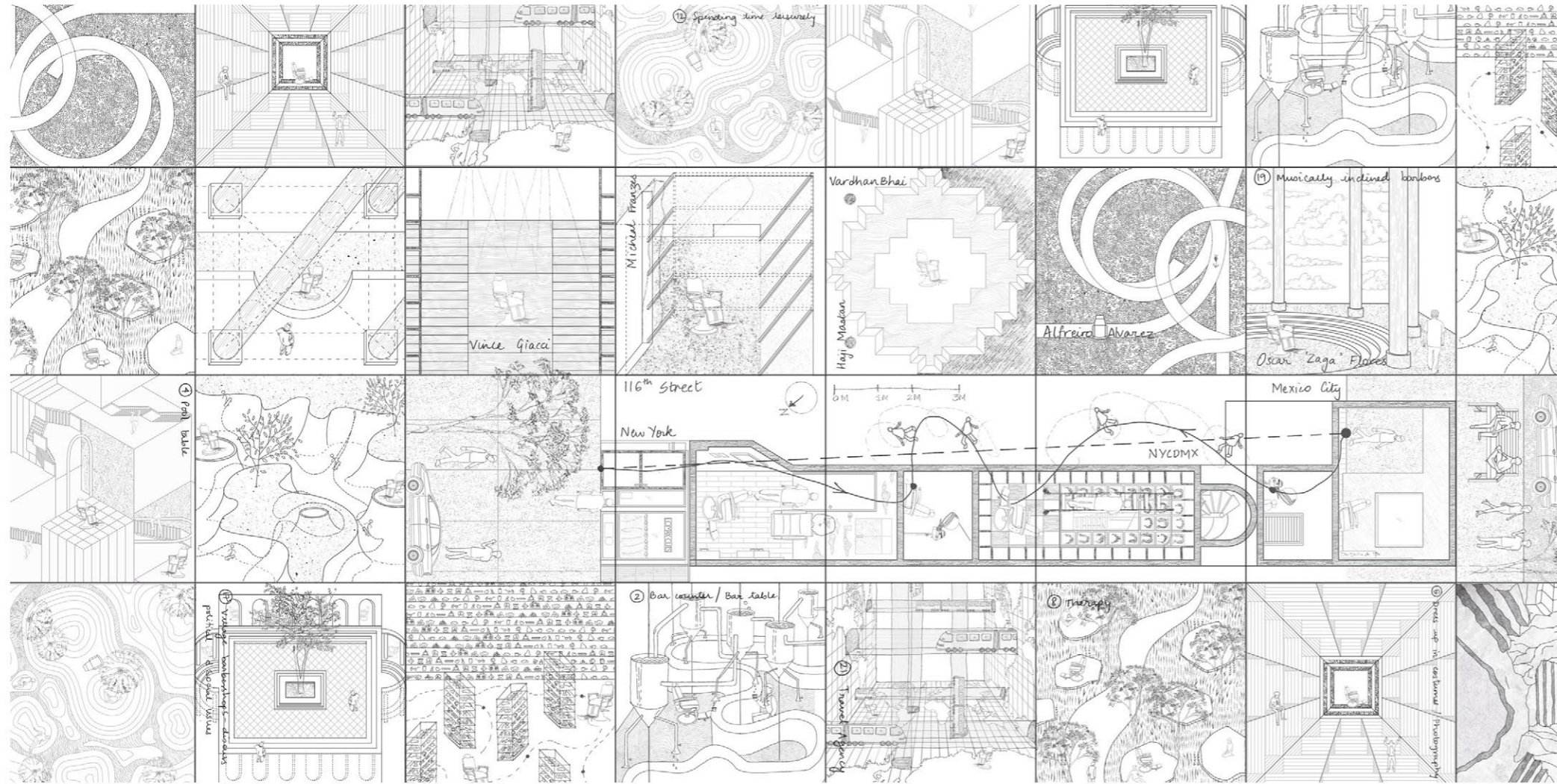
Storeback | Portal between NYC & CDMX



The storefront is the interface between street and store, and to complement it, the concept of "storeback" arises. This envisions the **rear wall** not as a surface but as a **portal to a specific site in CDMX**, informed by various ways of experiencing the city. A result of the initial study and close engagement with the Little Mexico community, the site selection suggests a program connecting CDMX to NYC. This liminal space unfolds hometown stories and migration networks, bridging reality and fiction. The illustrations of the **project reflect magical realism, making the invisible visible**. The "storeback" idea explores portals as spatial expressions of global connectivity.

The chosen store is the last owned one by Little Mexico's oldest barber, Oscar. The design creates an in-between space inspired by barbering's non-discriminatory nature. Oscar served clients from various backgrounds including criminals, maintaining their secrets. The space aims to be a **'safe space' for those seeking transformation from a criminal life, using barbering as an alternative choice**. The portal opens strategically in a crime-ridden area in CDMX, Iztapalapa. The design features a **collumbarium of wigs**, symbolizing identity and transformation. Wearing the wigs acts as a portal into the individual barber-worlds of those who have successfully transformed. The space lacks a roof, symbolizing **constant growth** as more people embark on their journey of change, **exploring the boundaries between the informal economy (barbering) and criminal economy**.

Plan & collage | Storeback

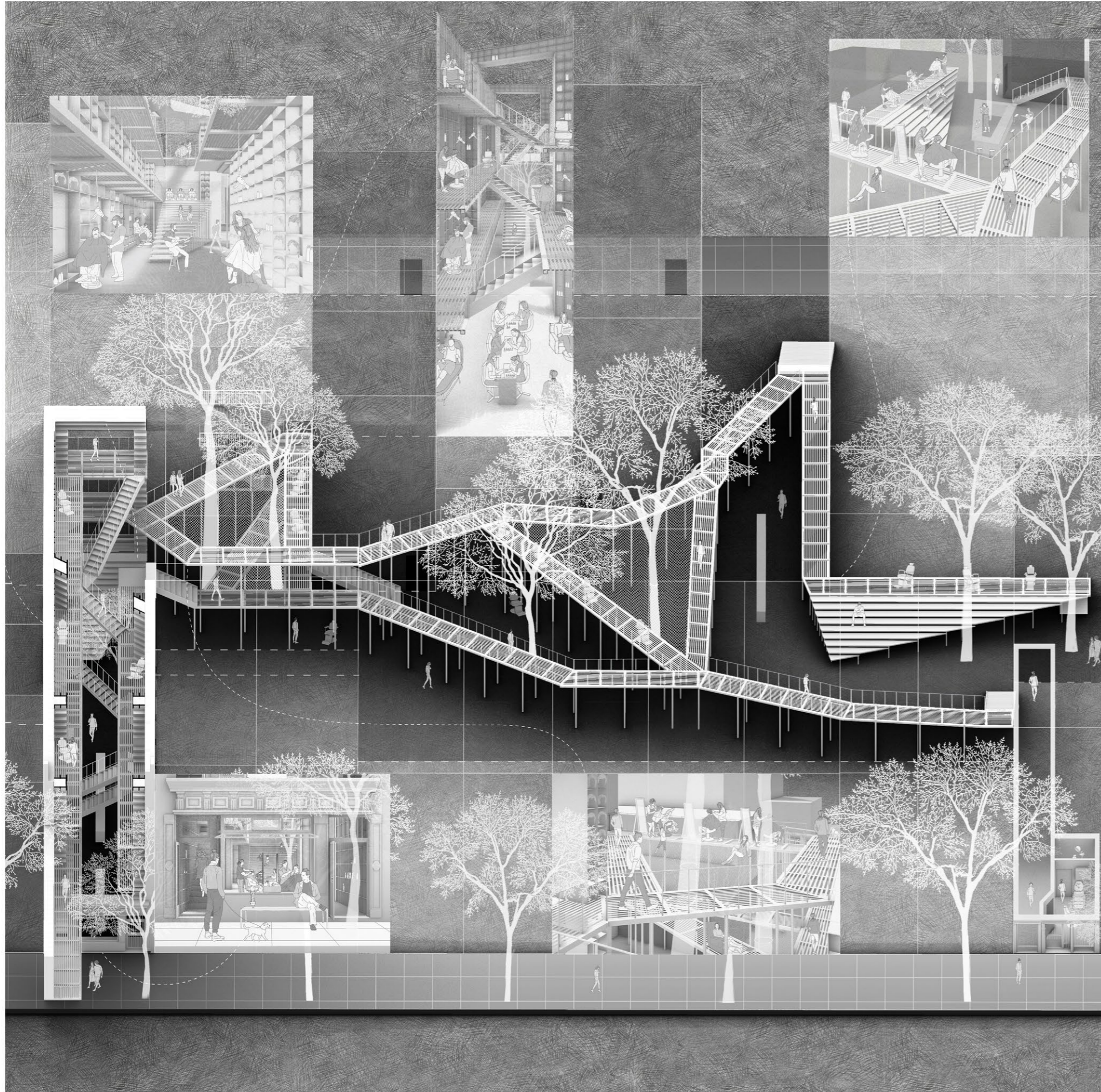


The **conceptual plan** is inspired by the checkered tiled flooring of barbershops/salons, with **incomplete edges symbolizing infinite transformation stories**. Each tile represents a real or imagined story of transformation from a criminal life, combining names of real criminals with activities that can be combined with that of grooming. The **tiles showcase individual worlds of successfully transformed individuals**, accessible by wearing the wigs. The plan isometric of the storeback design is subtly collaged into the illustration.



The **collage zooms in on the tiles**, extending the concept of infinity through cut-off edges. In 3D, it visually represents real transformation stories explored in the plan. One example is Alfreiro Alvarez's story from Iztapalapa (bottom left tile), a former criminal. Inspired by witnessing the burning of Judas, he felt the urge to rise from the ashes of his criminal life, finding solace in cycling. The illustration portrays a cycling ramp rising from ashes, symbolizing Alfreiro's created grooming world—a safe space for people to discuss their transformative journeys.

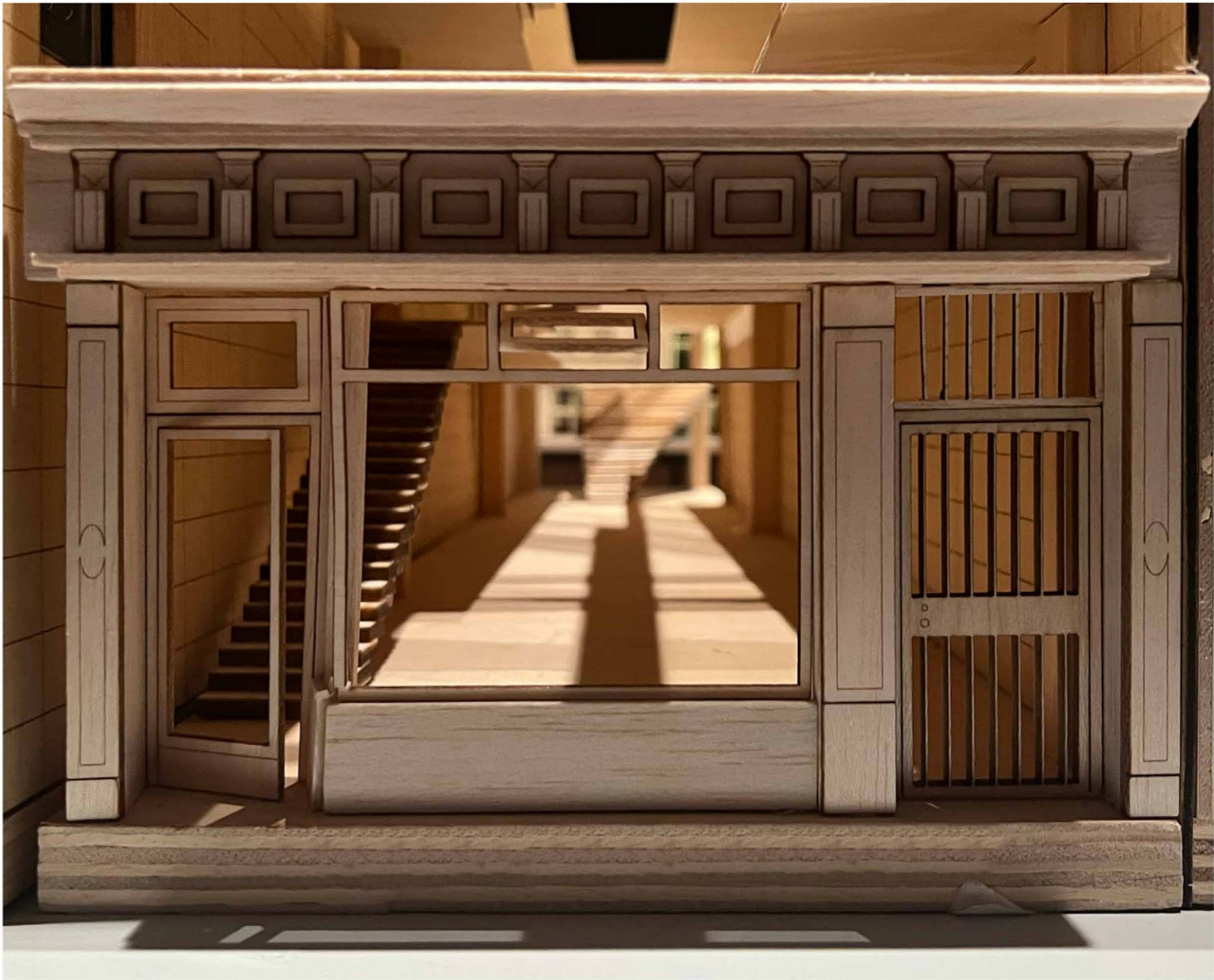
Plan isometric & 3d views of store | Realistic design Storefront



The design originates within a selected store, conceptually translating the surface of its storefront into a spatial and material volume that occupies space behind it. The program of this structure is determined by the fictions and fantasies studied so far. The unconscious and memory of the storeback/backstory is now projected into the consciousness and spaciousness of the city. The mission of this proposal is to construct spaces of reciprocity, mutual care, communication and participation.

The envisioned structure is a grooming mall, a convergence of various activities where people come to see and be seen. Staggered ramps and balconies ensure visibility throughout the space. Connecting Oscar's two stores, the right one leads to the portal, while the left is the main access to the new store design. The design pays homage to Oscar, incorporating his principles. The ramps not only link the two stores but also connect other grooming spaces on the block. The store explores the concept of privacy in publicity. Elements of the storeback portal, like display grid shelves and balconies, are retained.

Physical model | Plywood & balsa





02

FOOD FOR THOUGHT!

EMPOWERING RIO'S PLATE AND PEOPLE

SPRING 2024 ADVANCED VI STUDIO
GROUP - HARSHINI ASHOK, MARYAM HANIF & SELF
MENTOR - GALIA SOLOMONOFF

This adaptive re-use design proposal addresses the critical issue of food insecurity in Rio de Janeiro. By integrating a food bank with urban agriculture, the provided A Noite building's new proposal fosters self-reliance within the community. Recognizing the limitations of government policies and import reliance, food banks within urban agriculture foster a self-sufficient community. The concept draws inspiration from the local diet and utilizes circular water management systems, potentially incorporating seawater desalination. Educational programs within the building focus on vertical and peri-urban farming techniques, empowering residents to

grow their own food. The design acts as a bridge, connecting the Morro with the waterfront and plaza. The cylindrical form maximizes farmable surface area, resembling grain silos, while public walkways weave through planted zones. This open welcoming structure offers subsidized food and food bank services, transforming the space into a learning environment for residents to experiment with new crops, share knowledge, and access subsidized food markets. By educating users on urban farming techniques and fostering collaboration, this design proposal aims to cultivate a more resilient and food-secure future not just for residents but for the entire community.

Problems

Brazil stands as the 4th largest food producer in the world but still suffers from **food insecurity**. This problem grew in Rio after covid struck due to insufficient government policies / aid accompanied by unforeseen circumstances and poor water management especially in the lower income areas like the favelas.

Rio.



Favelas 16 million people

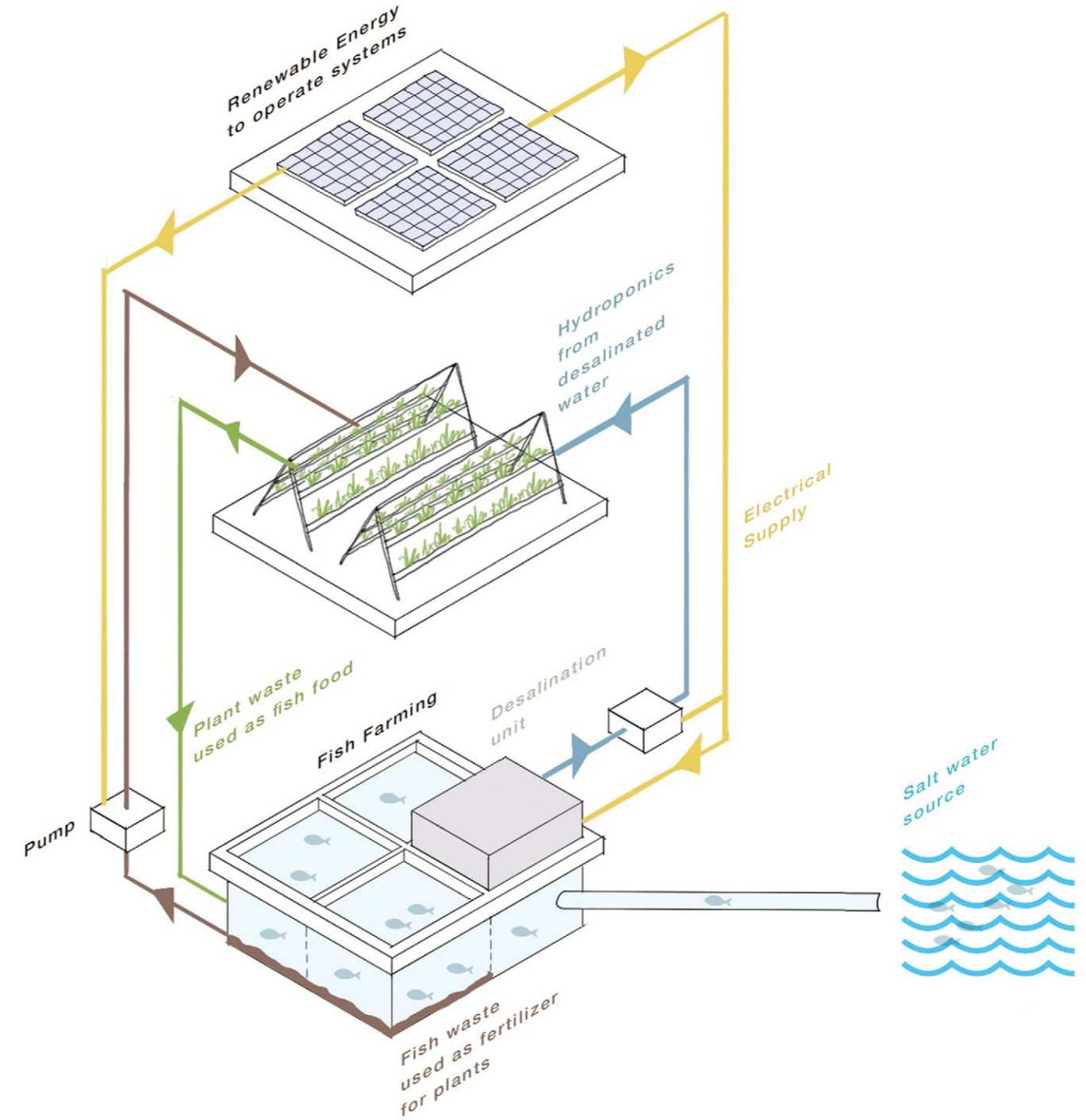


Solutions

Some possible proposed solutions to the issues discussed could be using the given **abandoned building** and many others in Rio to act as models of change. Through research and education, these spaces can be used to inhabit **circular systems** that use abundant sea water and grow food to **engage communities** in the agriculture process. This would also aid in **self-sufficiency**.

Circular System.

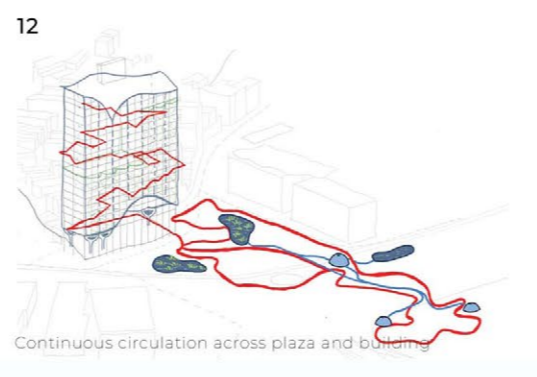
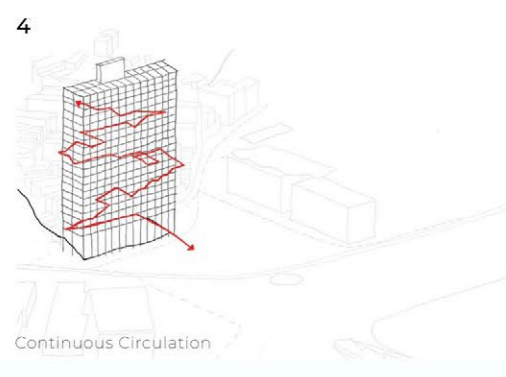
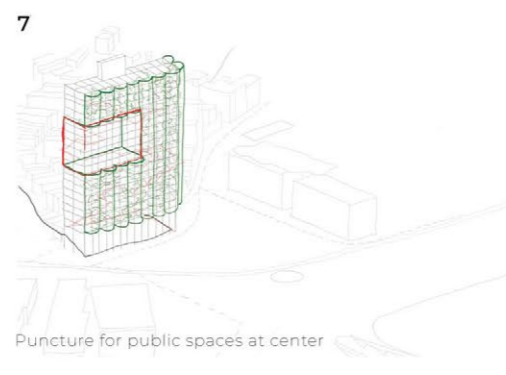
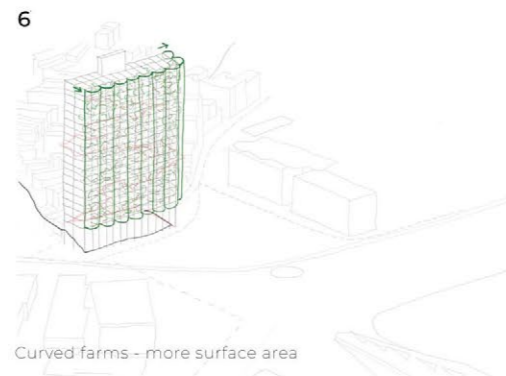
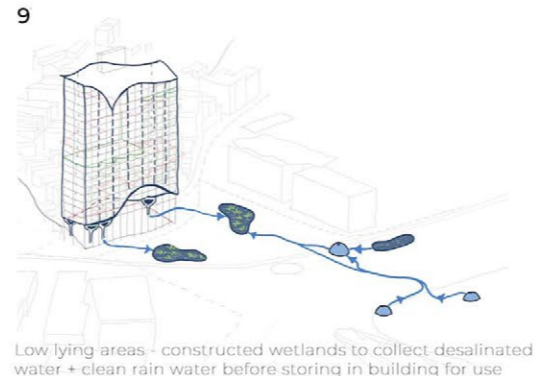
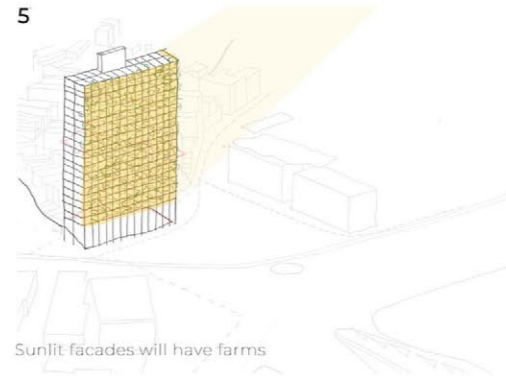
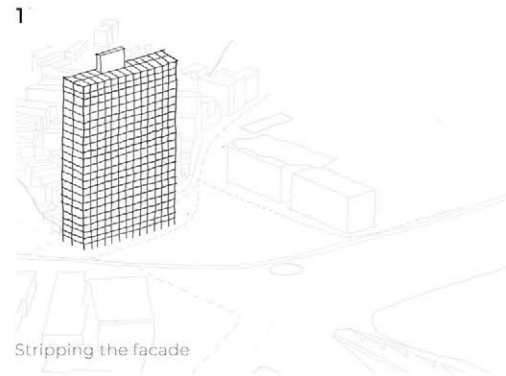
desalination + fish farming + hydroponics.



Design Development

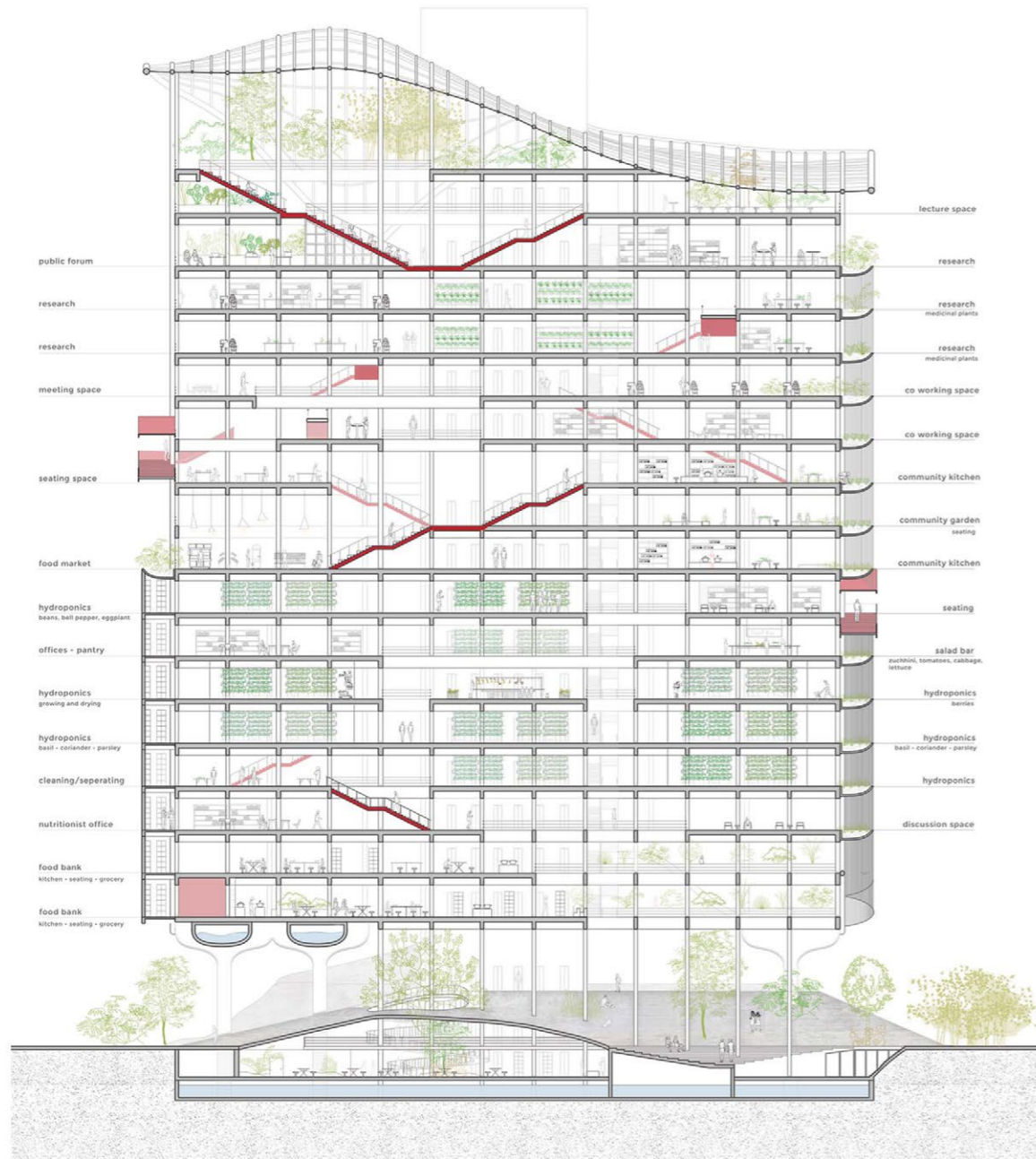


A Noite building placed at the Praça Maua location in the center of Rio, provided great opportunity to apply our ideas on an **adaptive re-use** project. It's location close to the sea, in addition to an adjacent plaza that was largely empty and a cut morro at the back allowed us to view the **building as a point of interconnection**. Currently appearing as a wall on site, A Noite was opened up to extend the public spaces inside and make the proposal **inviting**. The idea of housing a **food bank** within the structure made it essential to create a warm space that people did not hesitate to enter. The plaza design respects existing site markers like trees, monuments and tram lines. It integrates it within the design.



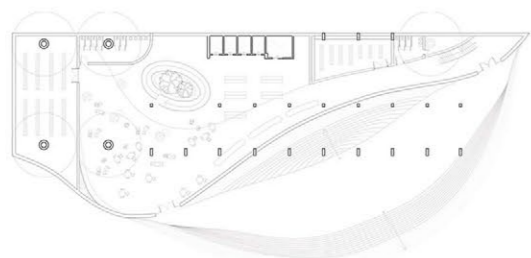
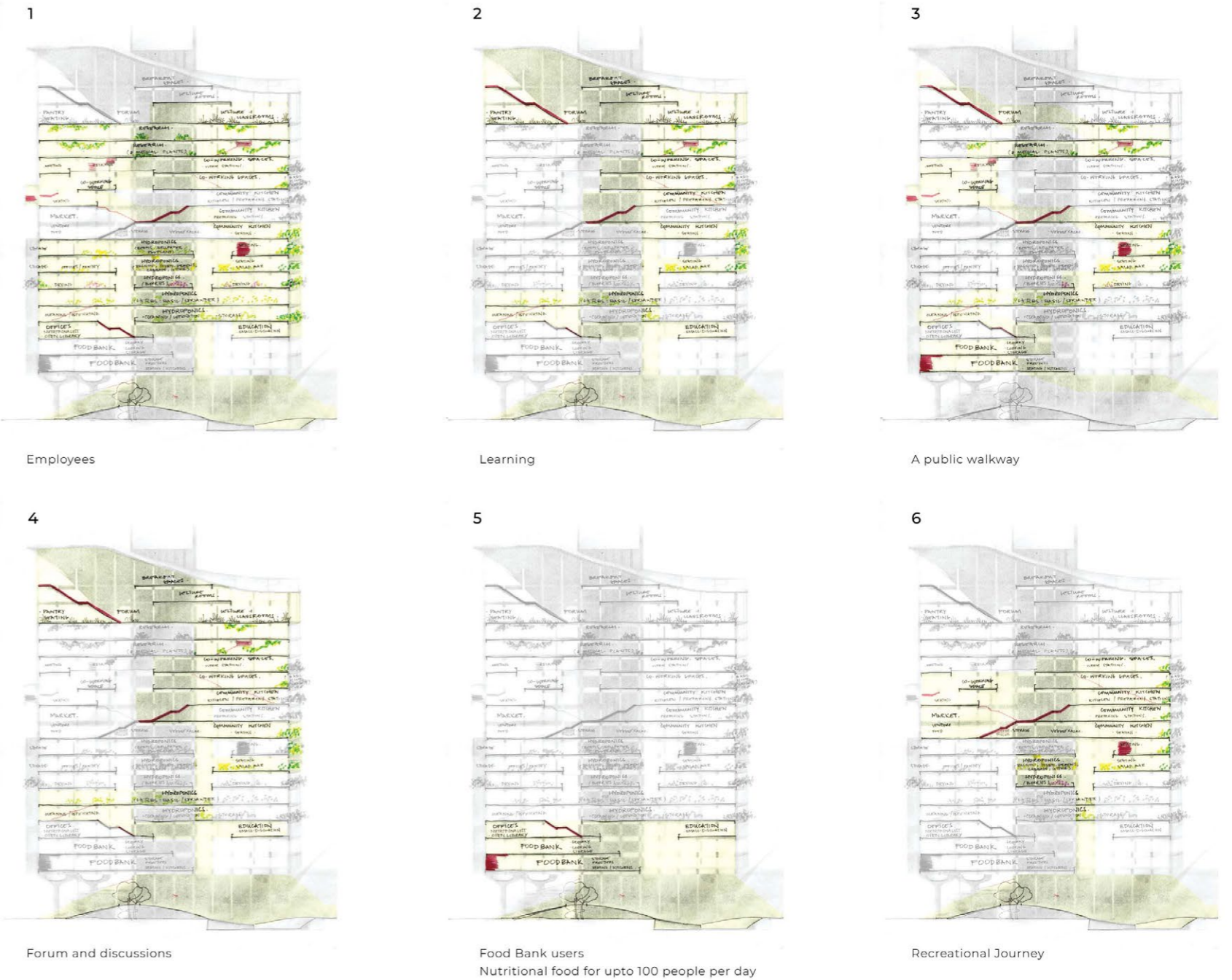
Final design

The public forum extends into the programs, housing a community kitchen, research labs, co-working spaces, and a marketplace. By educating users on urban farming techniques and fostering collaboration, this proposal cultivates a more resilient and food-secure future for residents and the entire community.

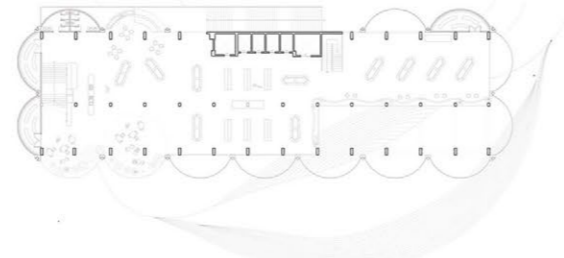


Journey diagrams

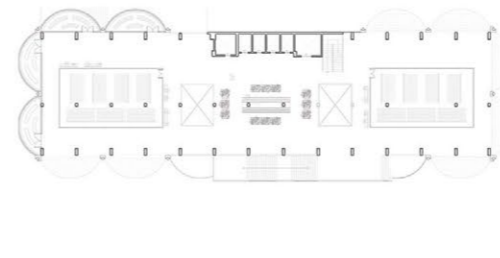
The building is a place to nourish, learn and collaborate. The circulation and programs across the section were studied strategically as **journeys** that **different users would take** through the structure. The movement of each user was curated to develop unique experiences.



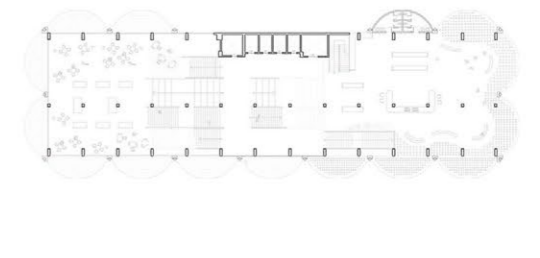
Basement plan - food bank and plaza



First level plan - food bank

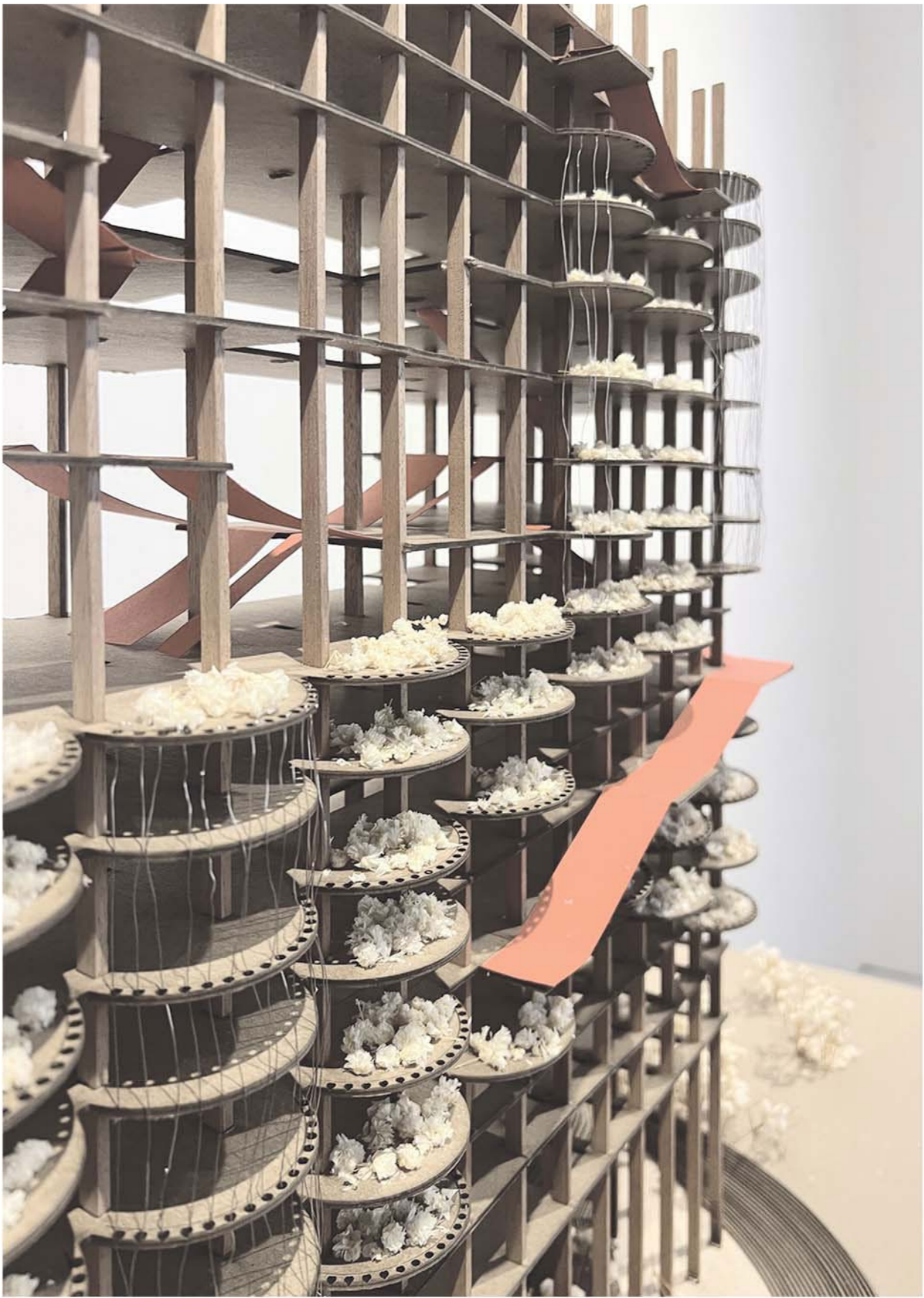


Sixth level Plan - hydroponics and drying berries



Tenth level Plan - Community kitchen

Physical Model | Chipboard, paper, wire & wooden sticks





03

TROPICAL CO-HOUSING

A GRADIENT OF SHARED SPACES

SUMMER 2023 ADVANCED IV STUDIO

INDIVIDUAL PROJECT

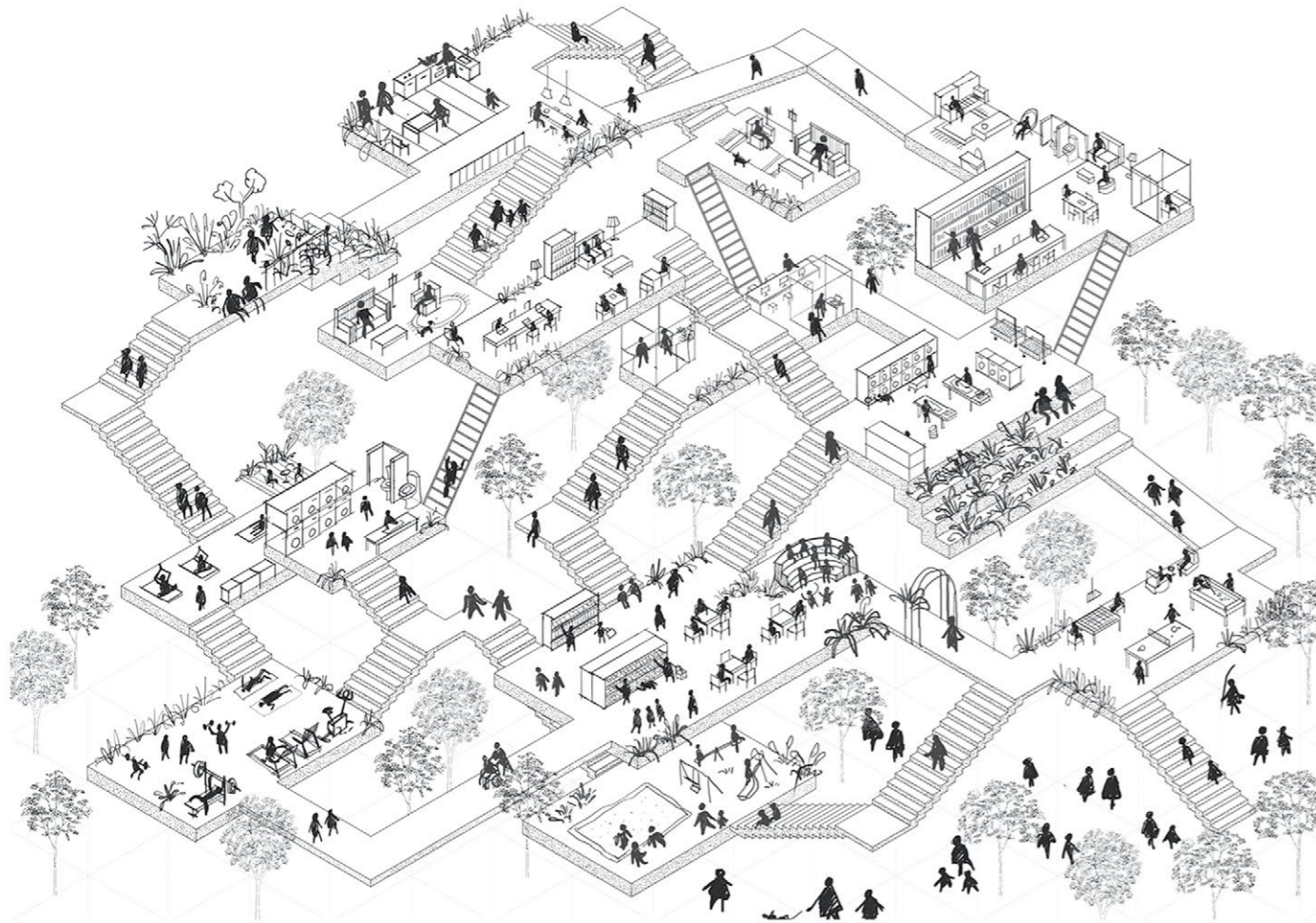
MENTOR - ANUPAMA KUNDOO

Brief : Experiment with conventional co-living strategies that exist today using Auroville,India as a model city. It is currently being designed and gradually built. We had to pick one of the 11 proposed residential buildings and use its massing as constraints for our design.

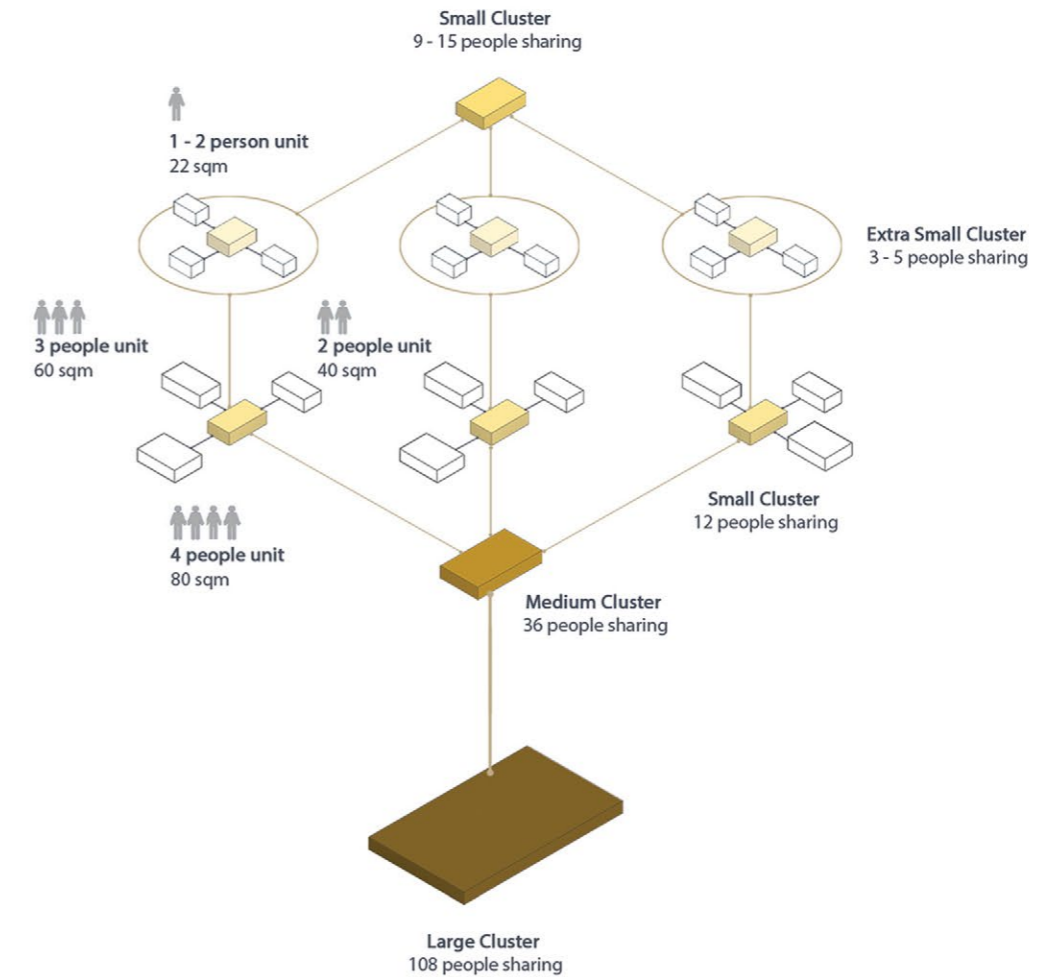
This proposal leverages Auroville's lab that dispenses privatization of land and car culture. Hence, the conventional podium-sharing co-living model can be re-invented to create an integrated sharing system. To humanize the scale of construction for a large massing and make it more relatable, the design started by deciding a hierarchy of

shared spaces, assigning them areas and dispersing them in a generated order along a seamless 'urban ramp.' A ten-meter width for the massing provided direct light to all volumes on one side or more. All individual spaces were positioned for light to enter and allowing free movement across the form. Overlapping the shared spaces and internal, external staircases that are free from the core leads to seamless physical experiences while enhancing the spatial and social quality. Apart from gluing spaces physically, the design brings people together metaphorically generating instances for people to interact with that of other clusters regularly.

Concept | Gradient of shared spaces

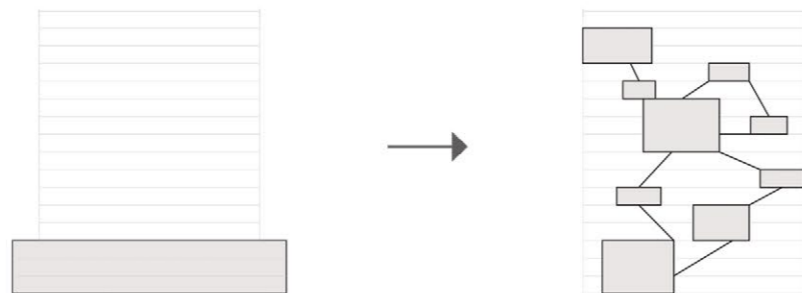


Cluster diagram & Site selection



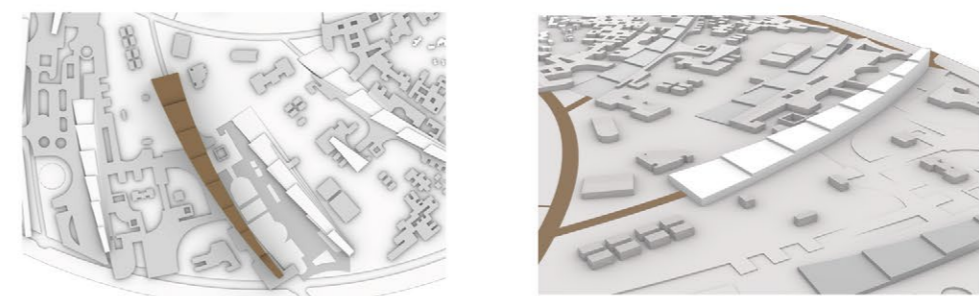
Above : Idea to experiment with the gradient of shared spaces to create an integrated cluster which enhances the quality and quantity of social interaction and collaboration.

Below : Moving away from the conventional sharing model- podium type(left below) to introduce a more integrated one(right below).

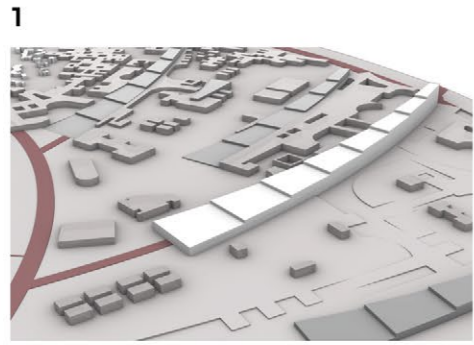


Above : Enhancing the 'quantity' of shared spaces by increasing chance encounters via an interconnected hierarchy. Specific sizes strategically allotted for varying number of people inhabiting different unit types to make sharing comfortable at all scales.

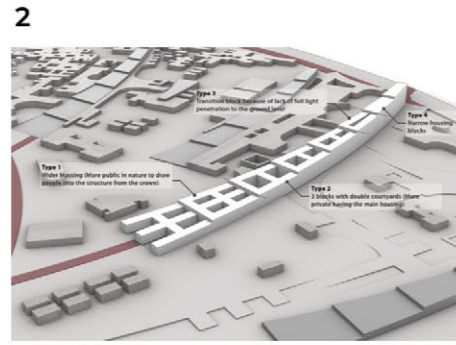
Below : 9 storey structure close to the main road(crown) was chosen



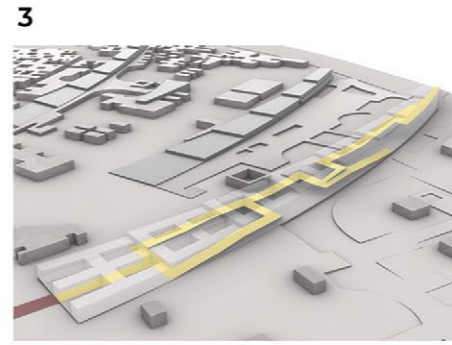
Design development | Defining and growing the cluster



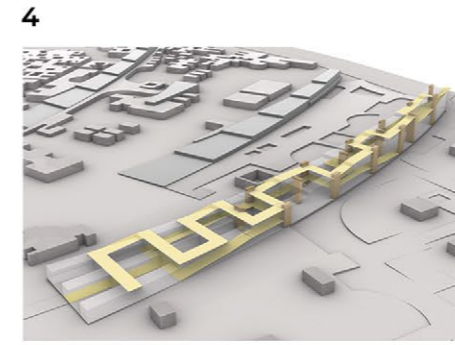
1 Existing building massing that cannot be altered as per studio brief



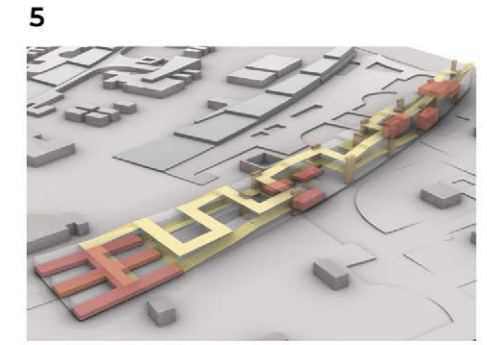
2 Puncturing a gradient of courtyards in plan for light and ventilation



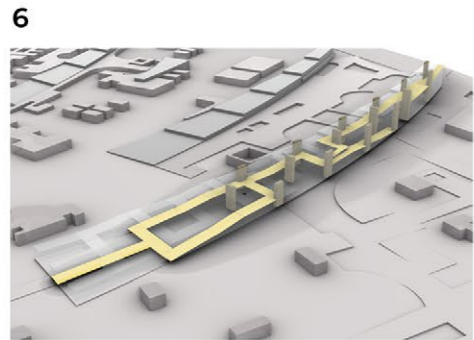
3 A public ramp - social connector linking the design seamlessly within and to the context



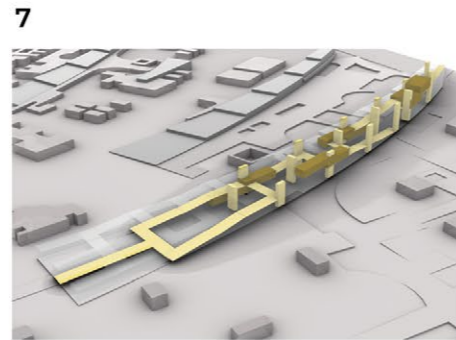
4 Continuing ramp on roof and introducing circulation cores at regular intervals for better access



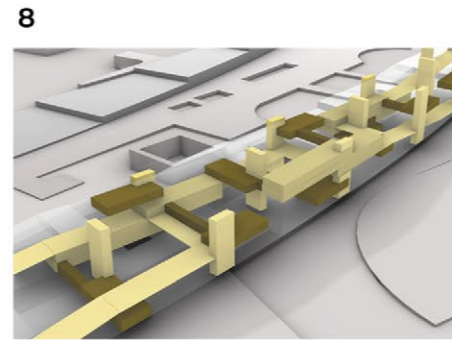
5 Creating voids in elevation for free movement, public gatherings and light



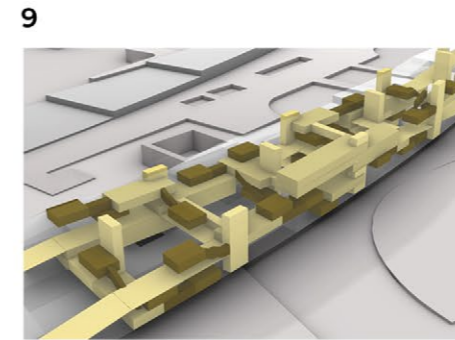
6 Removing the roof ramp layer from diagram to better understand cluster growth within



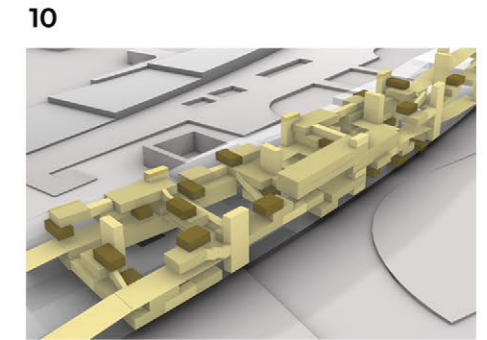
7 Large shared spaces added along ramp and circulation cores



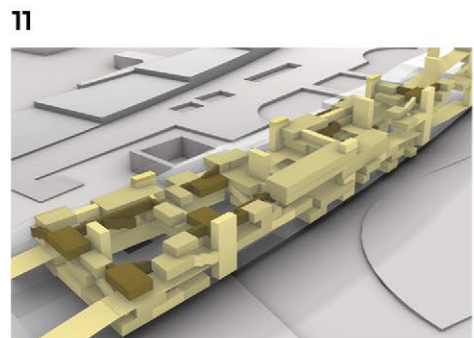
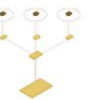
8 Zooming into 6 storey part of structure: Two Medium shared spaces connected to the large via passages and one via a core



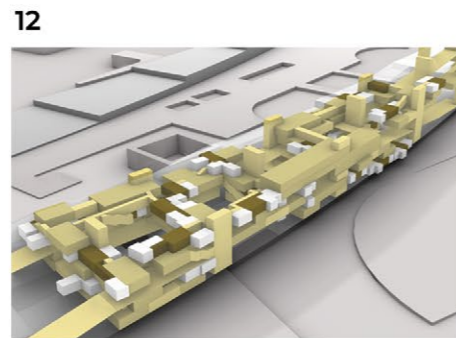
9 Three small shared spaces connected via a staircase, overlaps and a passage each to a medium shared space



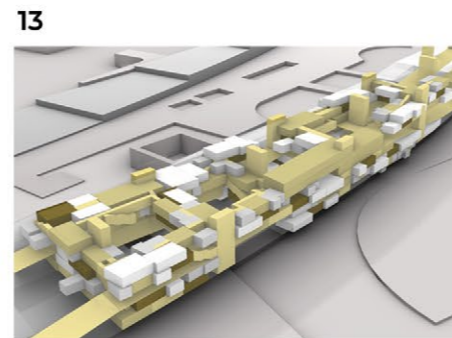
10 Extra Small shared space placed adjacent to or overlapped with the small shared space



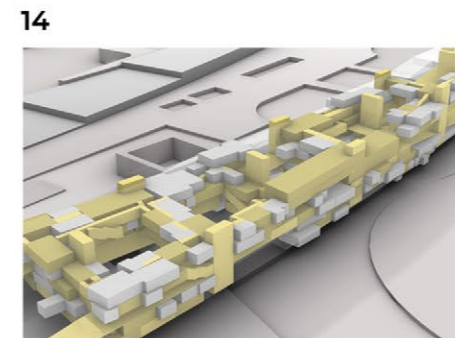
11 Extra small shared spaces connecting to the another small shared space via different means



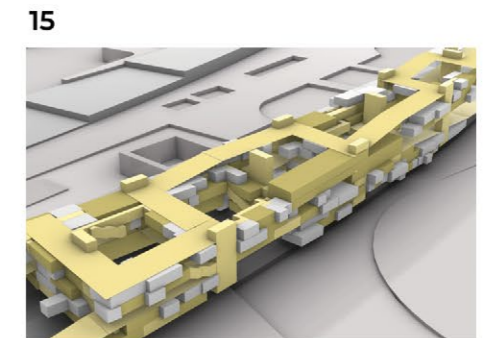
12 3 living units of 1-2 people connected to the extra small shared spaces



13 One 2, 3 and 4 people living units connected to each small shared space



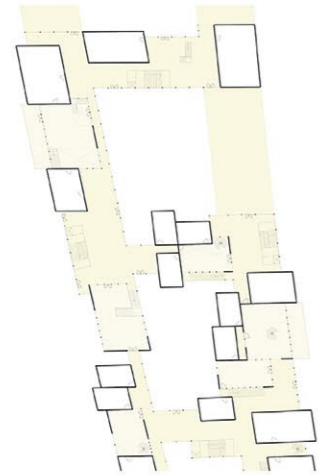
14 All living units and shared spaces



15 Re-introducing the roof ramp to the massing

Massing plan | Movement in 6 storey block

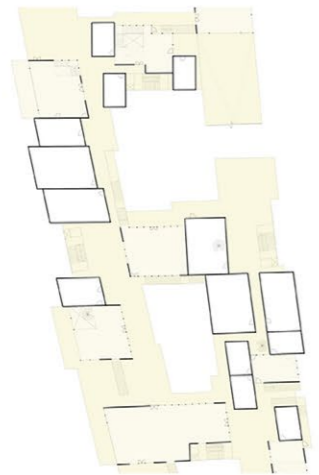
Level plans | Part of 1 cluster



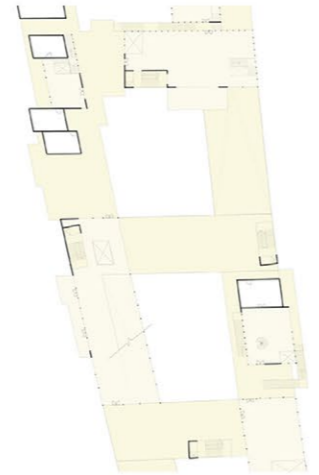
Ground level



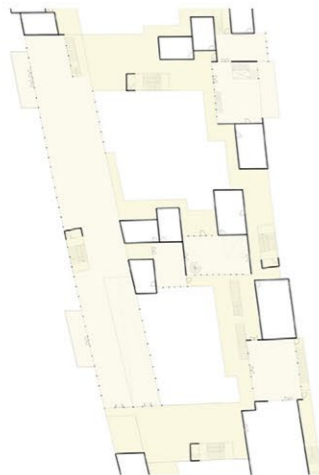
First level



Second level



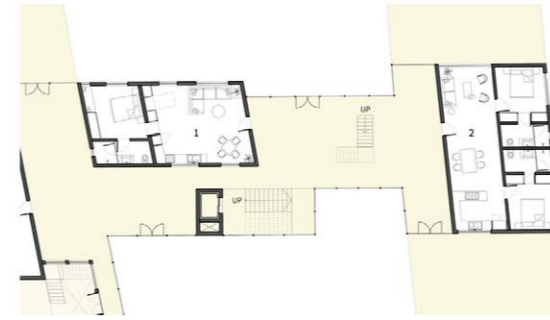
Third level



Fourth level



Fifth level



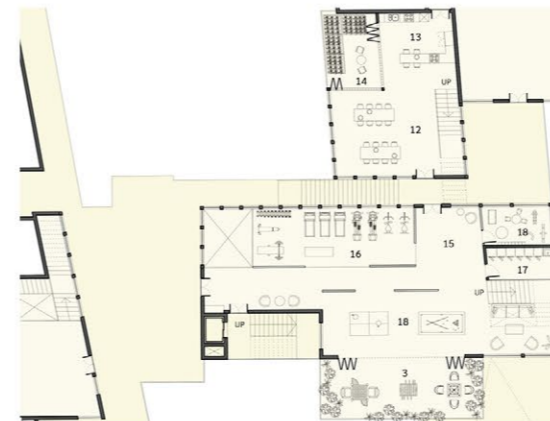
Ground level : 3 and 4 people living units



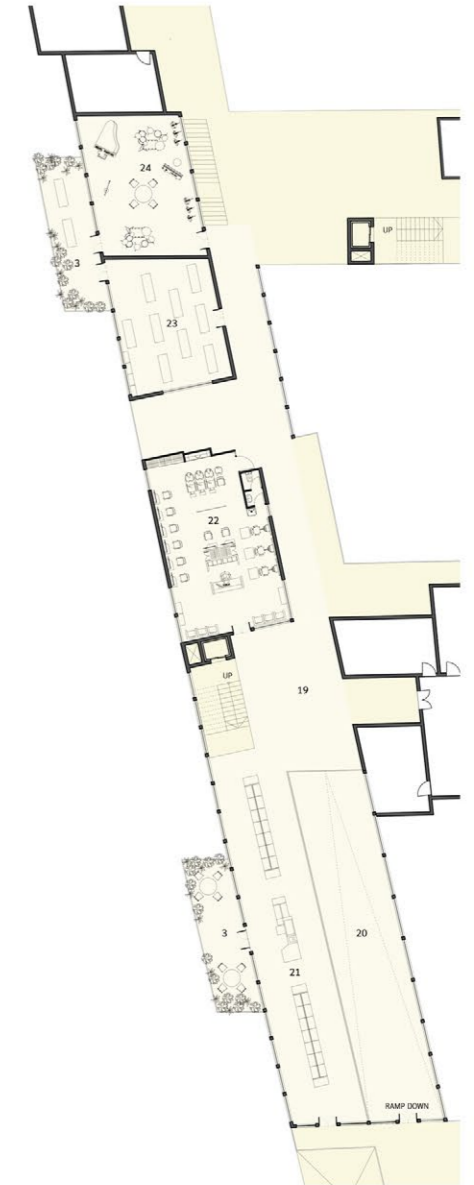
First level : Small Shared Space with 2 people unit



Second level : Extra Small Shared Space with 1-2 people unit



Third level : Medium and Small Shared Space



Fourth level : Large Shared Space

Legend :

- | | |
|--|-------------------------------------|
| 1. 3 people unit | 13. Community Kitchen |
| 2. 4 people unit | 14. Kitchen garden terrace |
| 3. Balcony/Terrace | 15. Medium Shared Space (36 people) |
| 4. 2 people unit | 16. Gym |
| 5. Cell (1-2 people unit) | 17. Laundry |
| 6. Small Shared space (12 people) | 18. Play/ Gaming Areas |
| 7. Co-work space | 19. Large Shared Space (108 people) |
| 8. Library | 20. Ramp |
| 9. Extra small Shared Space (3-5 people) | 21. Grocery Store |
| 10. Living room | 22. Parlour |
| 11. Shared Toilet | 23. Yoga/ dance Studio |
| 12. Small shared Space (12-15 people) | 24. Class for children activities |

3D View | Internal Courtyard



Aqua Genesis.



Farms to 'float' into a sustainable future



AQUA GENESIS

04

SPRING 2024
BUILDING TECH ELECTIVE
EMERGING OPTIMISM
INDIVIDUAL PROJECT
MENTOR - SEAN GALLAGHER

Brief : The course is structured as a think-tank. Choose an industrial activity + site and its associated social, economical, and environmental consequences, and see how you might re-calibrate these processes. Review your research and analysis work to identify moments of tension, under-utilization, and/or waste currently in the system or inevitably in its future. Speculate on public or infrastructural programs that might tolerate or benefit from these conditions and act as a catalyst to ensure continued or improved productivity within its given context. Concentrate on the creation of a conceptual narrative. Refine your proposal in terms of proposing not only a site specific

response but a model for future interventions and synchronicities in the industrial landscape. Create a pamphlet for it.

Project : The project studies floating farms as a potential emerging industry to revolutionize farming. The proposal initially looked into the tomato farms of Almeria which are one of the largest greenhouses in the world along the Southern coast of Spain. The water crisis across Spain provided opportunities to propose these farms on the sea to use desalinated water instead of freshwater use. Additionally, a cultural experience of the spanish wineries is infused.



Embracing the culture of Spain

A cultural experience

A floating winery in addition to the farms just a 30 minutes boat ride





Bringing Farms Closer to Cities

high water pressure regions

Floating Farms



7mn kgs

Food produced per 500k sqm in a year

100% more

Yield per sqm than Almeria Greenhouses

350% more

Yield per sqm than the average farm produce



Barcelona

Population : 5,711,917

Floating Farm Area : 10,075,822 sqm

Valencia

Population : 840,000

Floating Farm Area : 1,481,760 sqm

These farms can undertake production of the 3 highest consumed vegetables in Spain for the chosen cities:



Tomato
13 kgs per capita per year



Onion
7 kgs per capita per year



Pepper
5 kgs per capita per year

Alicante

Population : 1,838,819

Floating Farm Area : 3,243,677 sqm

Cartagena

Population : 409,585

Floating Farm Area : 722,510 sqm

Almeria

Population : 200,665

Floating Farm Area : 353,973 sqm

Back of open pamphlet

The pamphlet features a central illustration of a floating farm. A hand pours red wine from a bottle into a glass, with the wine appearing to flow over a boat and a vineyard. The scene is set against a dark blue background with a yellow sun and birds. Below the illustration, a group of people is shown dining at an outdoor table. The text 'THEN?' is positioned to the left of the illustration, and 'NOW' is to the right. The title 'Aqua Genesis.' is at the top, and the logo 'Aqua' is in the center. The bottom section lists facts about Almeria Greenhouses.

THEN?

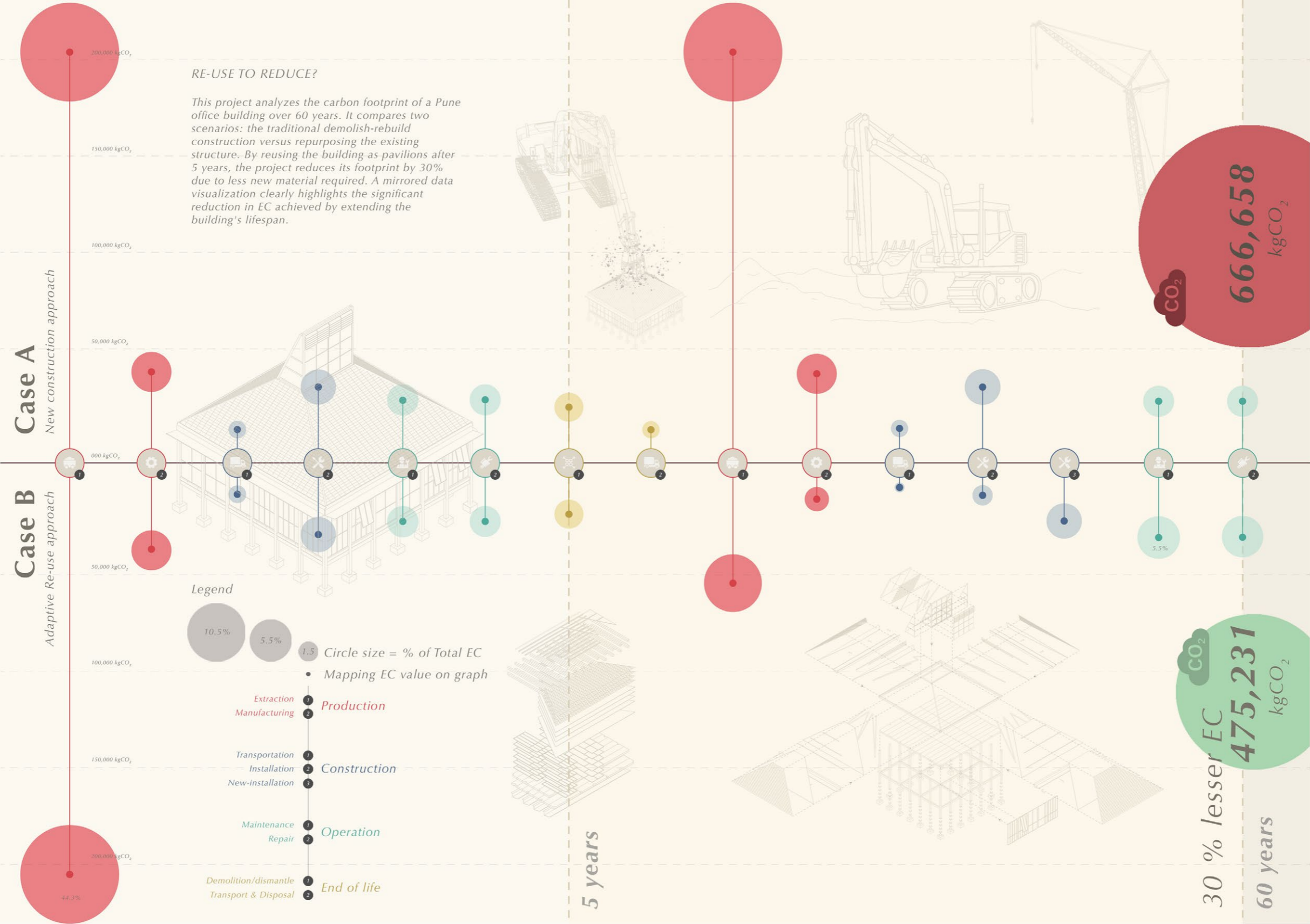
Aqua Genesis.

Aqua

Farms to "float" into a sustainable future

NOW

- Almeria Greenhouses**
- 25 % of Spain's tomato production
- Rapid ground water depletion : 25 years left
- Can we use less land and water and create an experience out of it too?



05

REDUCE TO RE-USE?

SPRING 2024
BUILDING TECH ELECTIVE
CARBON FOOTPRINT
INDIVIDUAL PROJECT
MENTOR - DAVID BENJAMIN

Brief : The assignment should involve a project that you are designing or a project that you have designed. The project can be a building, a piece of infrastructure, or an urban plan. The idea is to study the footprint of the project, visualize the footprint in a clear and creative way, and offer insights about using this analysis as part of the design process. Keep in mind that metrics are not neutral and objective; they are designed, and they may include assumptions and bias, which your project should address. The final drawings should convey data clearly and at the same time they should be inventive. How do you draw the

invisible—yet essential—footprint of your project? Explore atmosphere as well as metrics.

Project : The project analysed in this assignment was the experience center and show flat for a large Township in Pune, India. Usually such structures are destroyed in a short period of time after all the apartments in the complex are sold, but an idea to repurpose the structure provided an interesting opportunity to analyse its Carbon Footprint to create a comparative report.

Toxics in my home !?



ANALYSIS OF THE DOMESTIC ENVIRONMENT

06

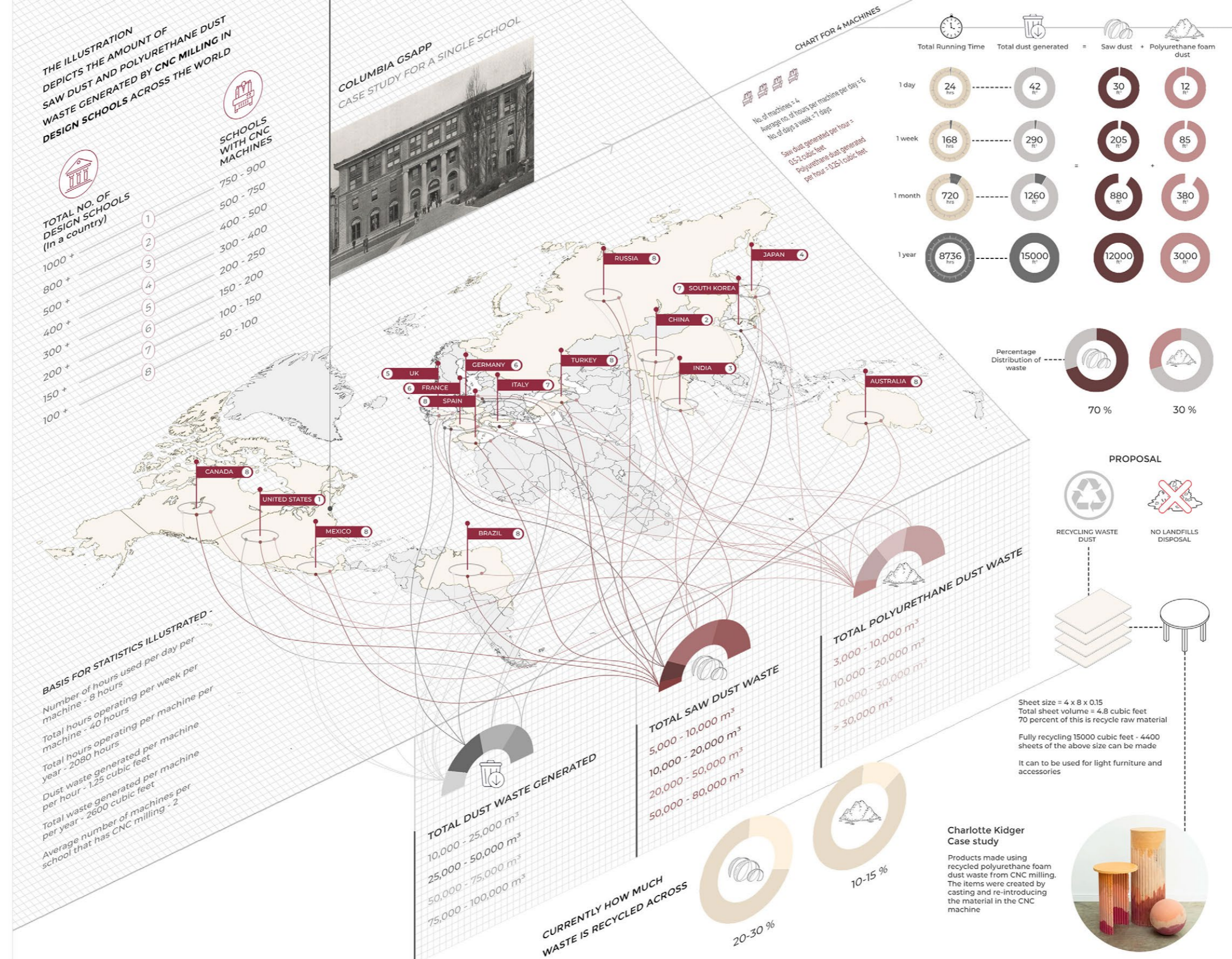
FALL 2023
 BUILDING TECH ELECTIVE
 HOME IS WHERE THE TOXICS ARE ASSIGNMENT 1
 INDIVIDUAL PROJECT
 MENTOR - MARTA HEISEL-WISNIEWSKA

Brief :

- Look around and document your surrounding Minimum one room, might be with a kitchen, bathroom, living room.
- Look through the lens of potential exposures to toxicants (long and short term). Minimum 20 "moments" of investigation (for example: vinyl floor, paint, carpet etc.)
- Specify What? (for example: shower curtain), Questionable ingredients (VOCs, phthalates, metals), Mark if those components belong to asthamagens, carcinogens etc.

- Not only visible surfaces- assume the invisible layers of walls and ceilings (insulation, layers of paint or varnish, structural elements etc.)
- The analysis might be more abstract, does not need to have the right proportions, might be photoshopped (delete items you do not want to show, make the invisible layers visible, bigger, more outstanding etc)
- Use medium of your choice : Photo Collage , Sketches, Paintings, Images +AI, Model, Visualisations.

I chose to represent and analyze my apartment for the assignment.



INNOVATIVE MATERIAL PRODUCTION

07

FALL 2023
BUILDING TECH ELECTIVE
HOME IS WHERE THE TOXICS ARE FINAL PROJECT GROUP - MAURO RODRIGUEZ & SELF
MENTOR - MARTA HEISEL-WISNIEWSKA

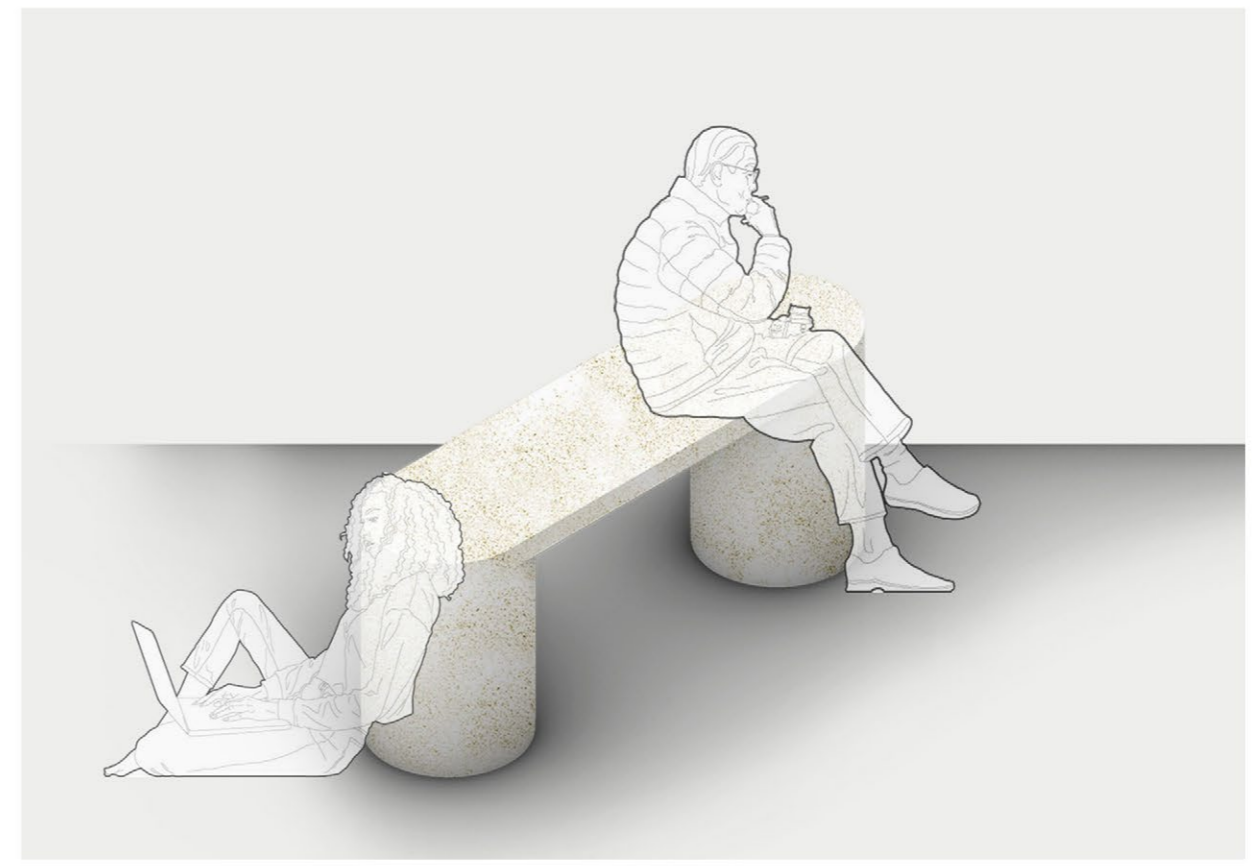
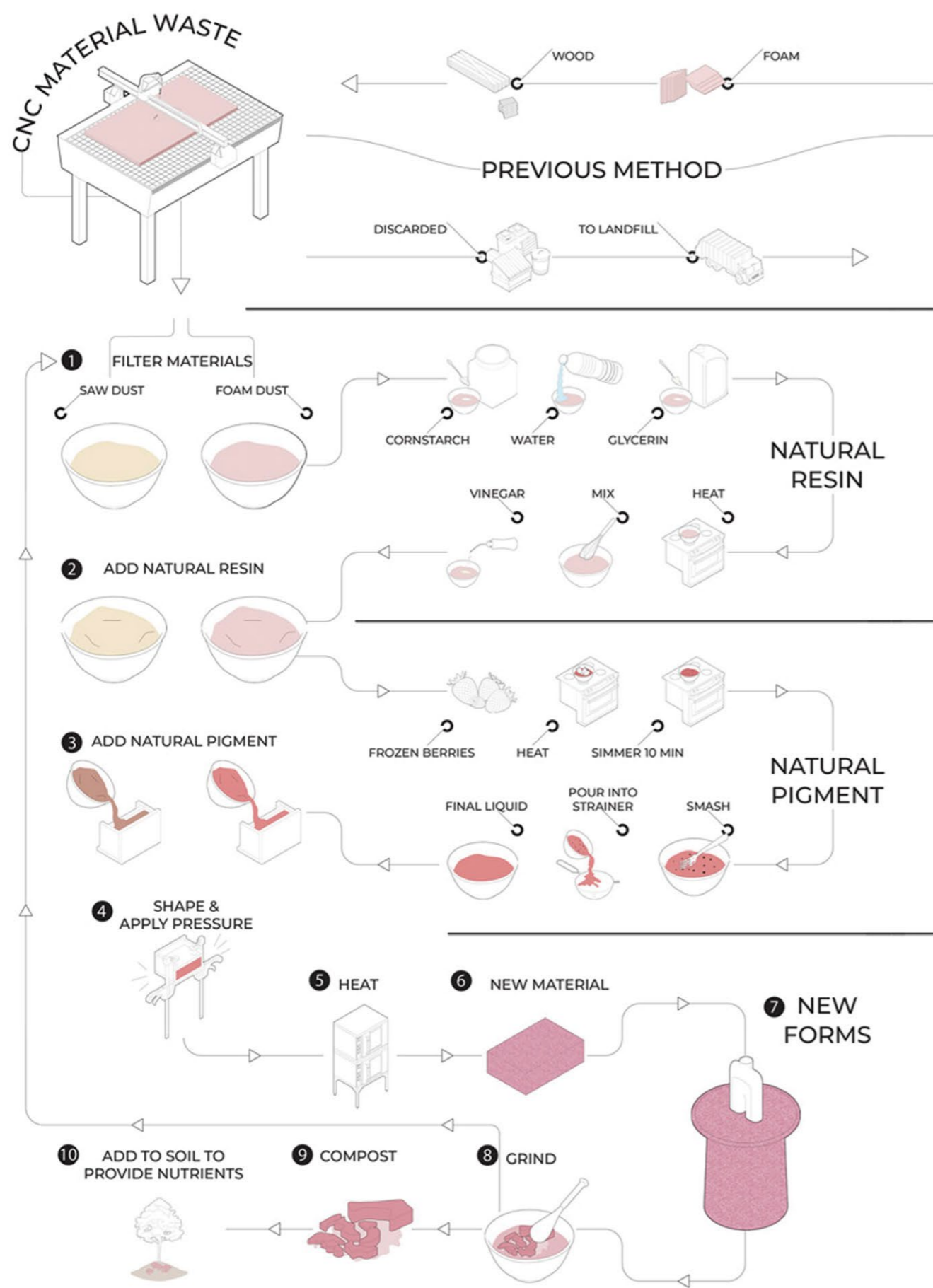
Brief : In groups of 2 the students were expected to experiment with a new material production using sustainable methods. The process included :

1. Creating Material samples
2. Charting - Ingredients/raw material samples; tools, formworks etc.
3. Photo and Video Documentation.
4. Life Cycle Diagram (updated or brand new diagram)
5. Diagram of "How to"= Production Manual
6. Imagined Application: 1 perspective, 1 axonometric detail

Project : Design and Architecture schools have labs that extensively use CNC machines and constantly produce a whole lot of waste such as saw dust and polyurethane foam dust that ultimately end up in landfills or the incinerator.

The idea is to break this pattern to reduce waste by creating a new material that utilizes natural resins and pigments to create aesthetic and eco-friendly composites. Several different iterations were tried to assess different characteristics of the new material especially it's strength and sturdiness.

Life cycle | Samples | Imagined Application





Catalog of Recipes for samples





CATEGORY 1

Sample 1

Composition :

-  Raw material - Polurethane dust
-  Resin - Cornstarch base
- Raw Material : resin - 2 : 1

Resin Recipe :

-  1 cup cornstarch
-  5/8th cup water
-  2 teaspoon vinegar
-  2 tablespoon glycerin



Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 1

Sample 2

Composition :

-  Raw material - Saw dust
-  Resin - Cornstarch base
- Raw Material : resin - 2 : 1

Resin Recipe :

-  1 cup cornstarch
-  5/8th cup water
-  2 teaspoon vinegar
-  2 tablespoon glycerin




Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 1

Sample 3

Composition :

-   Raw material - Saw dust & polyurethane dust
-  Resin - Cornstarch base
- Raw Material : resin - 2 : 1

Resin Recipe :

-  1 cup cornstarch
-  5/8th cup water
-  2 teaspoon vinegar
-  2 tablespoon glycerin



Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 2

Sample 1

Composition :

-  Raw material - Polurethane dust
-  Resin - Cornstarch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1 cup cornstarch
-  1/3rd cup water*
-  2 teaspoon vinegar
-  1 tablespoon glycerin*



Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 2

Sample 2

Composition :

-  Raw material - Saw dust
-  Resin - Cornstarch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1 cup cornstarch
-  1/3rd cup water
-  2 teaspoon vinegar
-  1 tablespoon glycerin




Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 2

Sample 2

Composition :

-   Raw material - Saw dust & polyurethane dust
-  Resin - Cornstarch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1 cup cornstarch
-  1/3rd cup water
-  2 teaspoon vinegar
-  1 tablespoon glycerin



Method of Combining

Resin prepared and then mixed with raw material





CATEGORY 3

Sample 1

Composition :

-  Raw material - Saw dust
-  Resin - Cornstarch base
- Raw Material : resin - 1 : 1*

Resin Recipe :

-  1 cup cornstarch
-  1/2 cup water
-  2 teaspoon vinegar
-  1 tablespoon glycerin



Method of Combining

Put raw material in resin when on stove and then pressed in mould for 5 days





CATEGORY 4

Sample 1

Composition :

-  Raw material - Polyurethane dust
-  Resin - Tapioca starch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1/4th cup Tapioca starch
-  1 cup water
-  1 teaspoon vinegar
-  1 teaspoon glycerin



Method of Combining

Put raw material in resin when on stove and then pressed in mould for 5 days





CATEGORY 4

Sample 2

Composition :

-  Raw material - Polyurethane dust
-  Resin - Tapioca starch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1/4th cup Tapioca starch
-  1 cup water
-  1 teaspoon vinegar
-  1 teaspoon glycerin



Method of Combining

Put raw material in resin and poured into mould for air drying





CATEGORY 5

Sample 2

Composition :

-  Raw material - Polyurethane dust
-  Resin - Tapioca starch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1/2 cup Tapioca starch
-  1/4th cup water
-  1 teaspoon vinegar
-  1 tablespoon glycerin



Method of Combining

Dust added to starch in first step for a homogenous mixture
Heating Method
Air dried in mould






CATEGORY 5

Sample 1

Composition :

-  Raw material - Saw dust
-  Resin - Cornstarch base
- Raw Material : resin - 1 : 1

Resin Recipe :

-  1/2 cup cornstarch *
-  1/4th cup water *
-  1 teaspoon vinegar
-  1 tablespoon glycerin
-  Crushed rose petals
-  mustard seeds



Method of Combining

Dust added to starch in first step for a homogenous mixture
Heating
Baked in oven at 200 degrees Fahrenheit for 12 minutes and then dried overnight in oven

CATEGORY 6

Sample 1

Composition :

-  Raw material - Saw dust
-  Resin - Wooden glue
- Raw Material : resin - 2 : 1

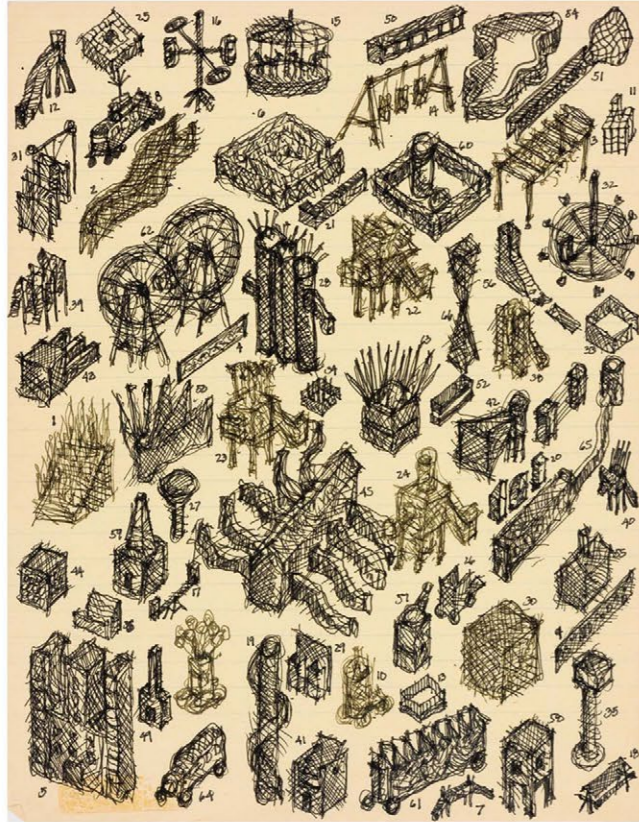
Method of Combining

Resin and material mixed in a container and poured into the mould for air drying

Exhibition Panel & display



Victims Project | John Hejduk



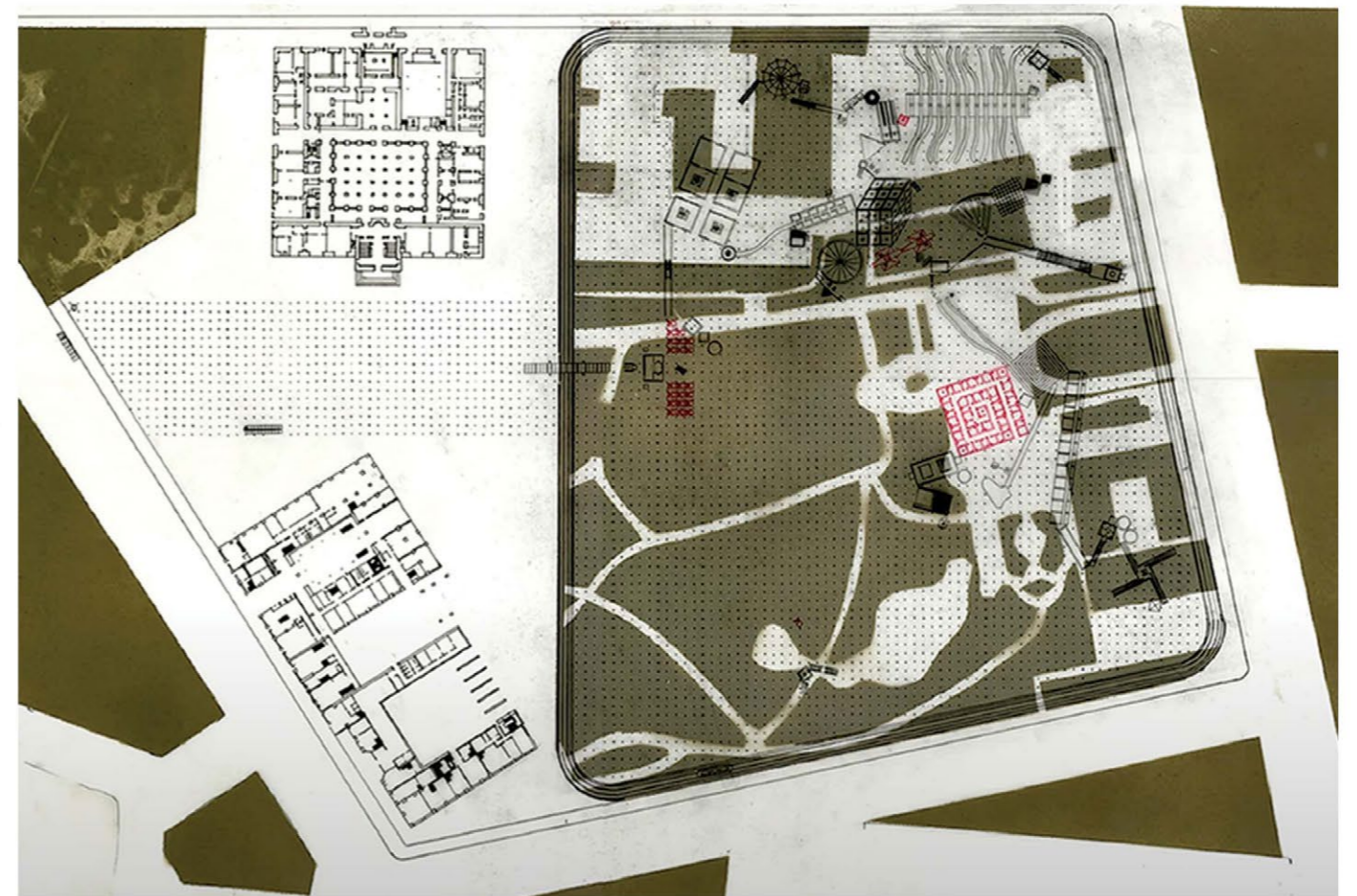
John Hejduk's revolutionary Masque series adopts a psychological perspective to develop fictional 'characters' to communicate untold stories in myriad social settings. In 1984, he concluded this series with the 'Victims' project which was a memorial design proposal in Central Berlin. Its 60-year-long construction was meant to mature alongside the lives of the people in the city, while seamlessly unifying the historical, social and architectural. A double hedge lining surrounds a set of 67 eccentric structures loosely composed in a literal and metaphoric ocean of torture and oppression. A two-fold 'social contract' governs the design.

The first is where the architect is socially indebted to the context to honour all aspects of its legacy. Eerie-looking sketches of the anthropomorphic structures drew their spirit from the site's history as a Gestapo chamber for political prisoners flanked by the Berlin Wall in the south. This territorial rootedness becomes apparent through the project's incremental growth signifying a continuous presence of the 'victims', commemorating them long after their lives have ended. Catering to a strong collective memory while being abandoned, the characters form connections with the contemporary citizens and project the site toward its future. Unger's plan for reviving West Berlin post World War II is believed to be a precursor to the project. He believed the city would rebuild itself from strategically located pockets of urban fabric retained amid a densely forested expanse. Hejduk's aim of rebuilding the narrative of this site using individual structures within a green grid echoes this belief.

As one overlays and tries to surgically dissect the proposed grid over that of the original plan of the chambers, we find how Hejduk carefully positions and orients his structures to connect with the ghosts of the past. Each 'victim' purposefully connects, overlaps or buffers itself from the original massing. The politics of Nazi Germany and its affiliation with the rest of the world invokes the historical evolution of the site from a torture chamber to barren land and finally followed by Hejduk's design. The scars of the past are not erased. They are honored through the creation of a powerful and timeless proposal.

The second social contract is between the architect and the people whose stories he intentionally and unintentionally conveys. The symbolism and power of this design to enact change is witnessed beyond its physical constraints in Berlin. Even though the Victims project was never realized, people across the world resonated with various 'characters' and built them to demonstrate specific collective emotions. For instance, the character 'Security' was constructed outside the Nazi headquarters in Oslo, Norway. The structure built within the city center by the students and teachers of the Architecture University, re-told the stories of Hejduk's character while channeling their inner losses. These structures surpass the program of merely being spaces for physical habitation, and address 'spatial literacy' by articulating designs that bind together humanity.

"How does one author silence?" Hejduk's buildings speak to us and make us realize that architecture is an empathetic discipline. The 'victims' eulogize the fallen history by translating the past horrors into life-giving characters. The 'social contract' establishes space as something not distinct from us but rather an extension. By grafting the new into the old he delivers a profound conglomeration altering the way people experience design. Architecture plays the role of an actor and mediator in the broader socio-political aspects of the world.



08

ARCHITECTURE: THE ACTOR AND MEDIATOR

SUMMER 2023
TRANSSCALARITIES
INDIVIDUAL ASSIGNMENT 1
MENTOR - IBIAYI BRIGGS

Brief: Each student will present a documental research essay on their Case Studies 01. They will address 3 out of the 6 following questions:

1. How does your Case Study 01 relate to/operate/affect/is affected by "the territorial scale" or "territorial"?
2. How does your Case Study 01 relate to/operate/affect/is affected by "the microscopical or bodily scale" or "microscopical" or "bodily"?
3. How are the construction details of your Case Study 01 affected by or affecting contexts / ecosystems / environments beyond the Case Study 01 confinement?

4. What are the political conflicts / controversies / alliances / activisms / dissidences / alignments / confrontations / disputes / solidarities your Case Study 01 participates in/as?
5. What are the main actors in those politics and their temporary evolutions?
6. How are the specificities in the design of Case Study 01 entangled with historical political processes or evolutions?

The case study provided to me was the 'Victims' project by John Hejduk.

