

PORTFOLIO

POSITIONING STATEMENT

During my first two years of study, it has always confounded me that I didn't understand the concept of "design." I had a general appreciation as I knew architecture is an interdisciplinary subject, however, very little of that appreciation is personal. In the summer of 2022, I interned at an architecture design firm where I was given the opportunity to work on a range of projects. It is because I was able to see the full scope of working as an architect that I had to wonder where I fit in as an individual in the architectural world. As I am finishing my undergraduate degree, I have started to explore architecture in relation to specific environmental and cultural backgrounds rather than thinking about it using a generalized design formula. I believe in architecture as a form of problem-solving through visualization of problems, conveyance of emotions, expression of individual narrative, and innovative world-making. For each of my projects, I try to go beyond just meeting the communities' demands but also take into consideration of the ongoing community developments. For the latest two projects, I experimented with designing from the bottom up by gathering individual narratives and generating architectural representations and resolutions.

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REDEFINING URBAN FARMING

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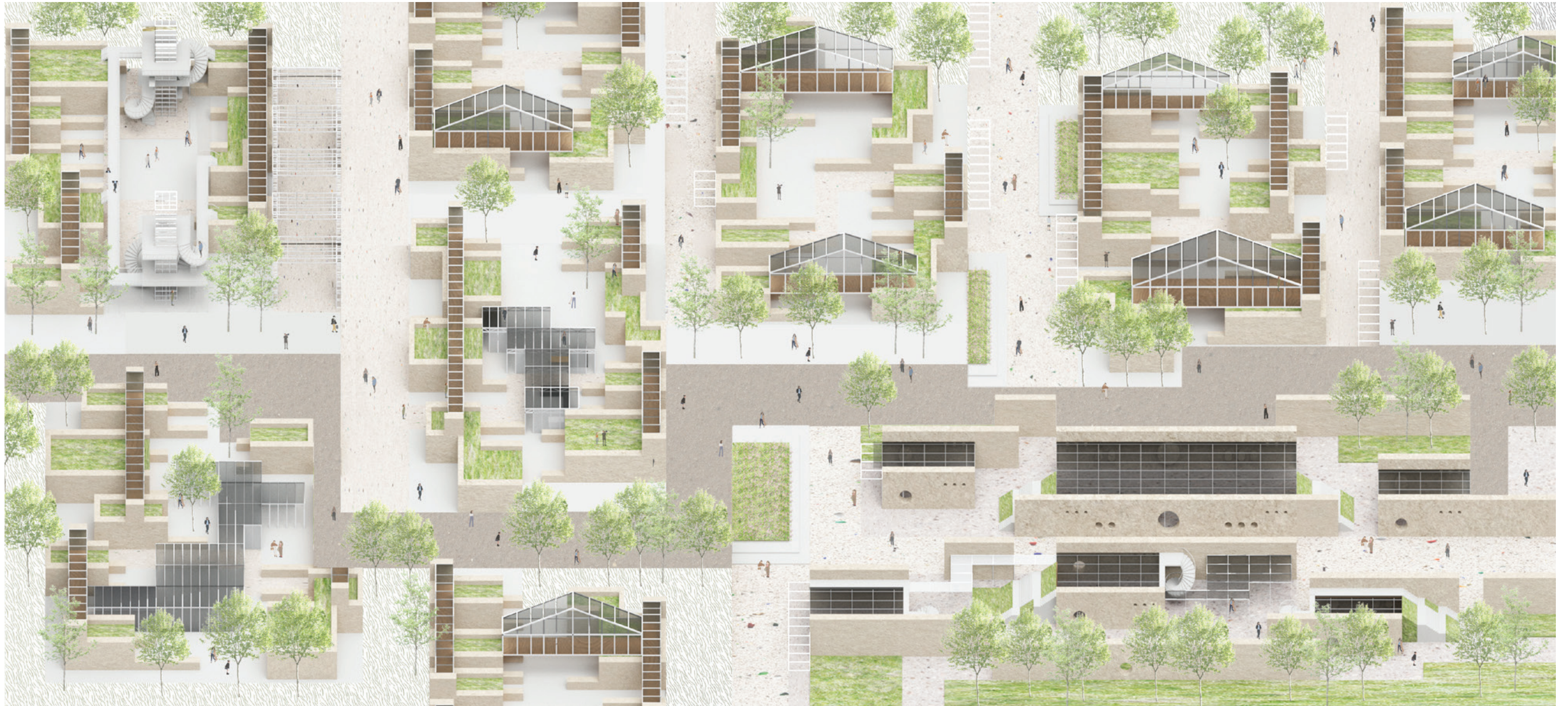
LIVING MEMORIAL TO GANDHI

03. **CONSTRUCTION ENGENDERED**

REIMAGINING THE STRUCTURAL IRON CYCLE

04. **MEMORANCE IN CO-LIVING**

MORPHOLOGICAL EXPLORATION OF THE GENERATIONAL DISSONANCE



2021 | Almono/Hazelwood, Pittsburgh, PA
Instructors: Jeremy Ficca
Collaborator: Xu Xu

The Almono Greens Complex project is situated on parcels 61-64 in the flats district, which is in close proximity to the Hazelwood neighborhood. After studying the Almono site and its relationship with the adjacent neighborhoods, we've decided to use the factory and housing as a means to create a more direct connection between the residents and the vacant lands. For this project, we explore the meaning of using local regenerative materials. The factory, or facility, serves as a generator for harvested industrial hemp products to be transformed into building materials, which are then delivered down the parcels to build housings directly adjacent to them. The site strategy elaborates on the concept of Urban Farming, which is the practice of cultivating, processing, and distributing harvests in or around urban areas.

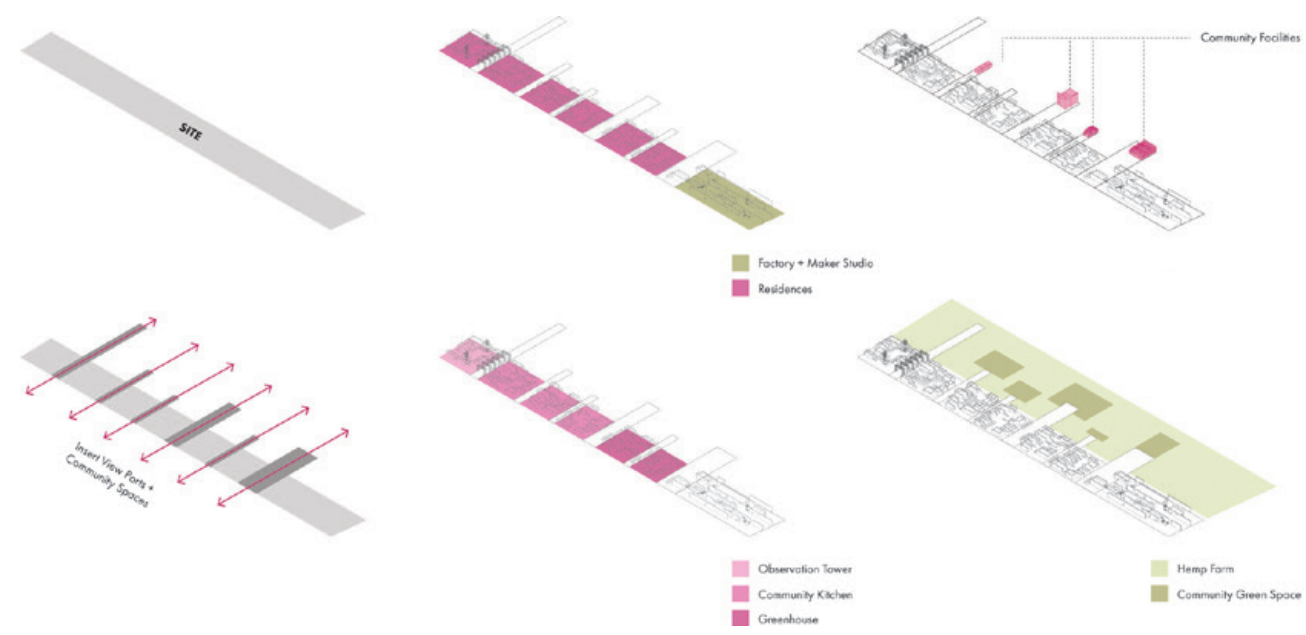
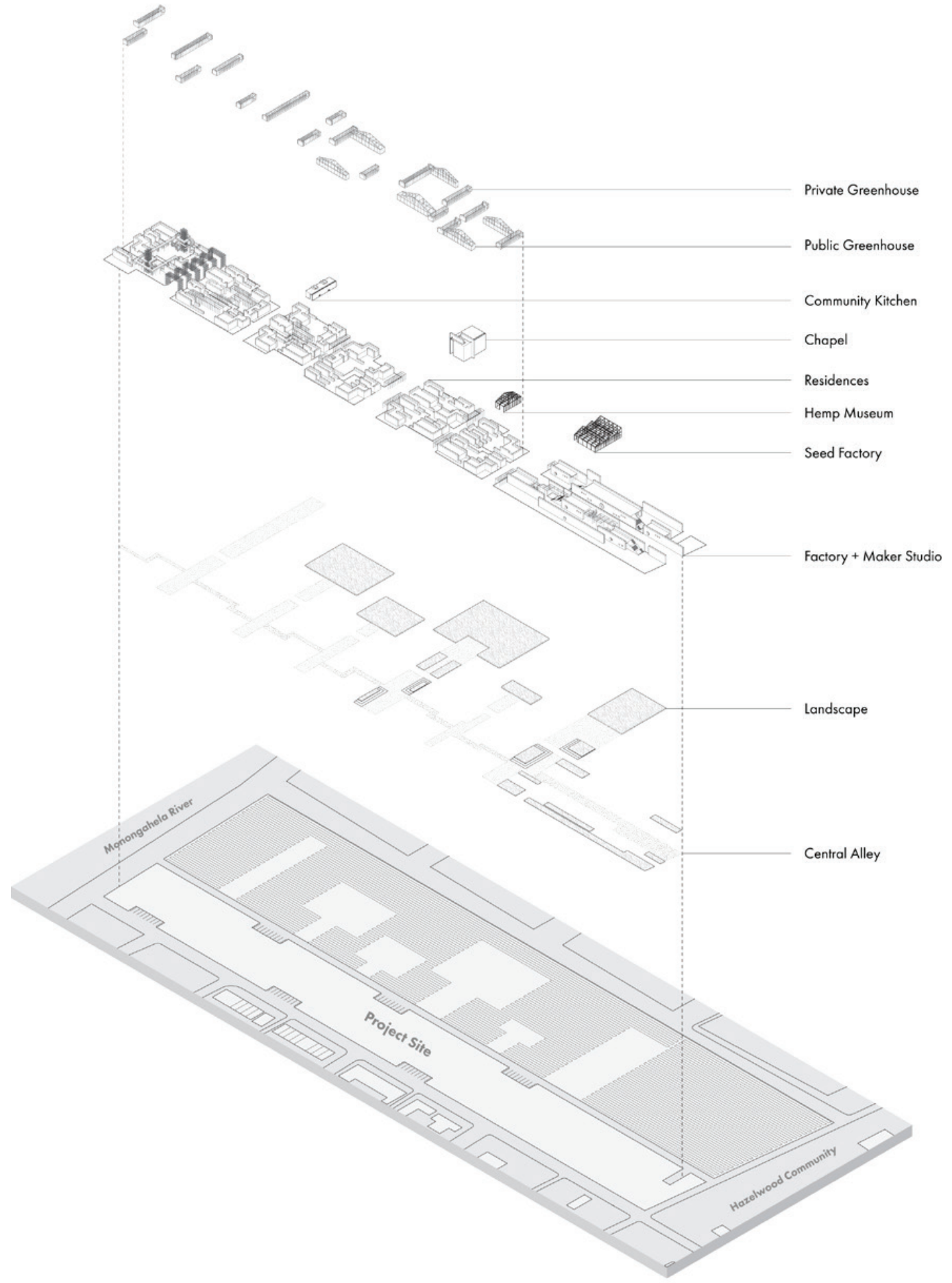
The concept of this project is collaborative. I focused on the initial master plan and my partner focused on the residential units. I developed the project further by adding more programs and connections to the community. All the drawings are redone and completed by me.

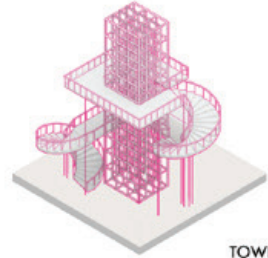
ALMONO GREENS COMPLEX

REDEFINING URBAN FARMING

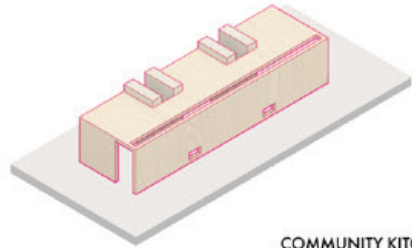


- Parcel
- Railway
- Site Outline
- Community Green
- Academic Institutions
- Religious Institutions
- Non-profit Organizations
- Robotic Lab
- Community Center
- Kitchen
- Health Center
- Church
- Library
- Garden

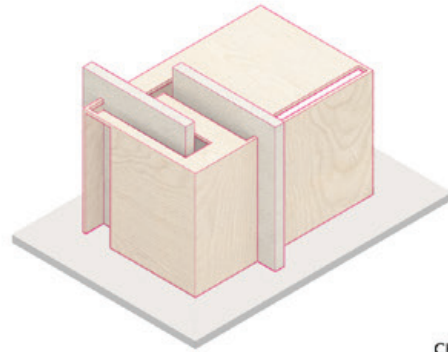




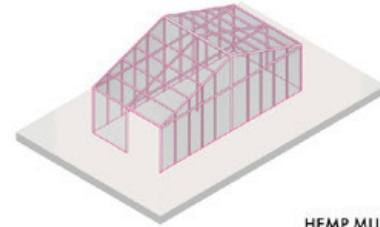
TOWER



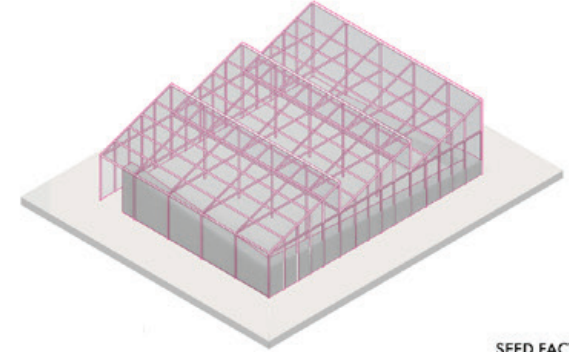
COMMUNITY KITCHEN



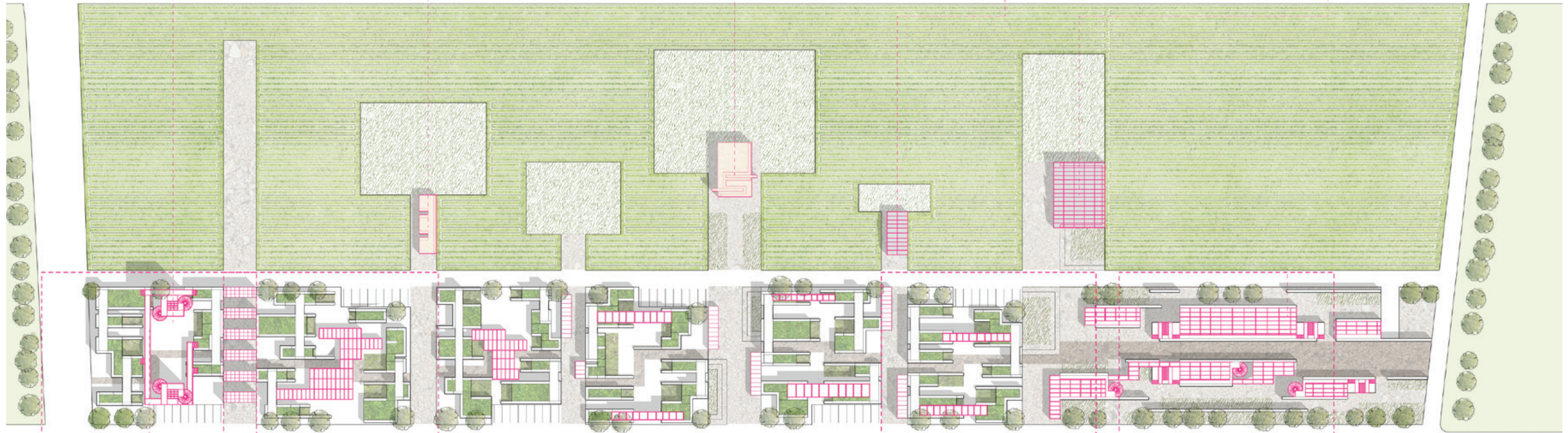
CHAPEL



HEMP MUSEUM



SEED FACTORY



STONEDUST
 CENTRAL ALLEY
 LANDSCAPE
 HEMP FARM
 GREEN ROOF

0 10 20 50 100



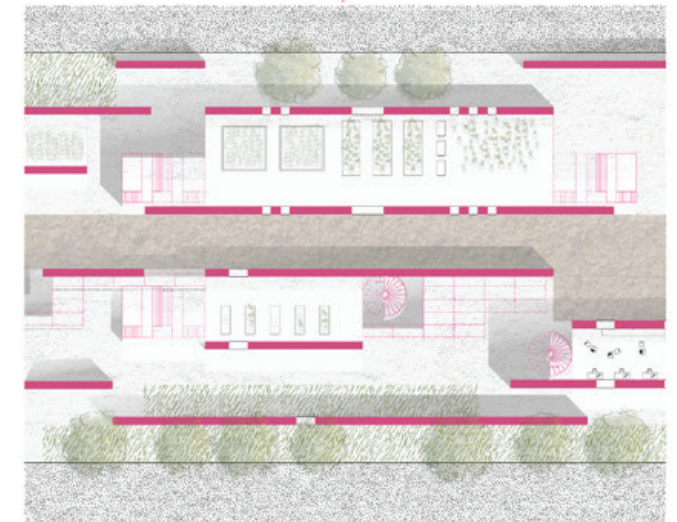
RESIDENCES + OBSERVATION TOWER



RESIDENCES + COMMUNITY KITCHEN

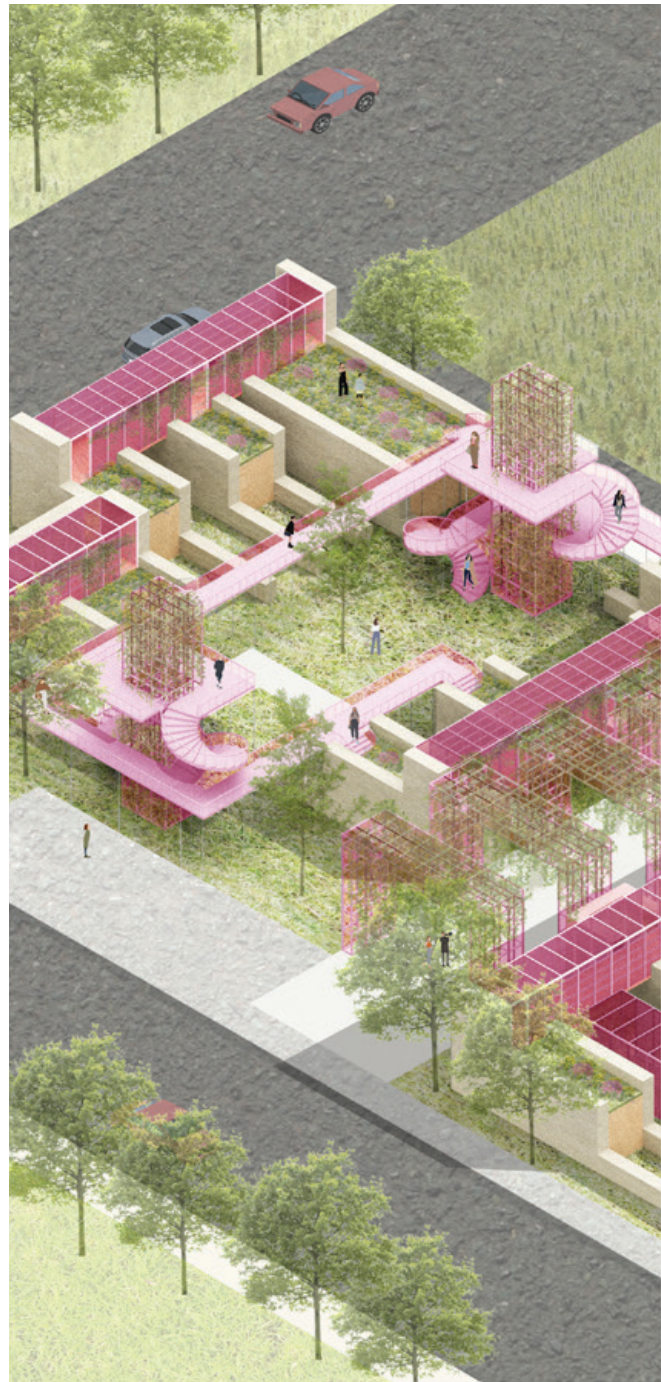


RESIDENCES + GREENHOUSE



FACTORY + MAKER STUDIO

0 5 10 20 50



OBSERVATION TOWER



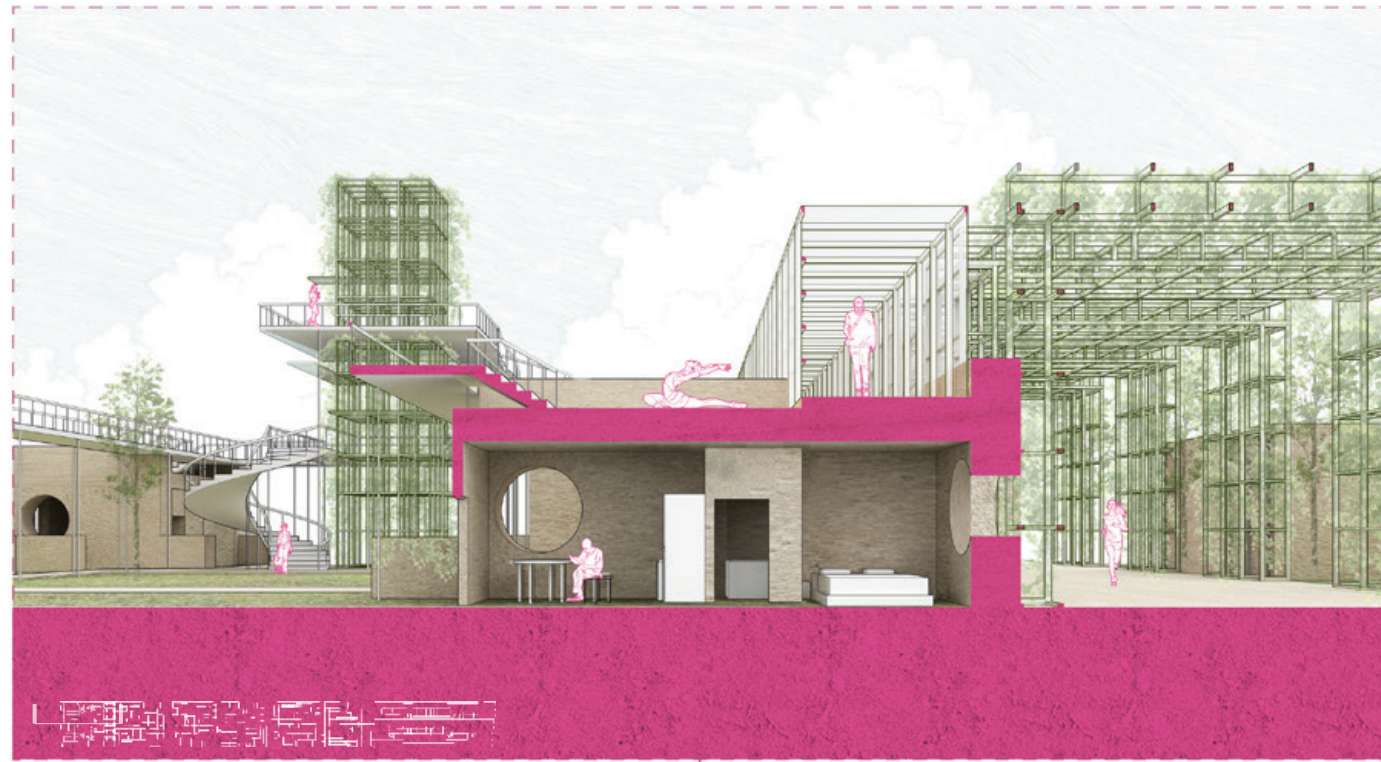
COMMUNITY KITCHEN



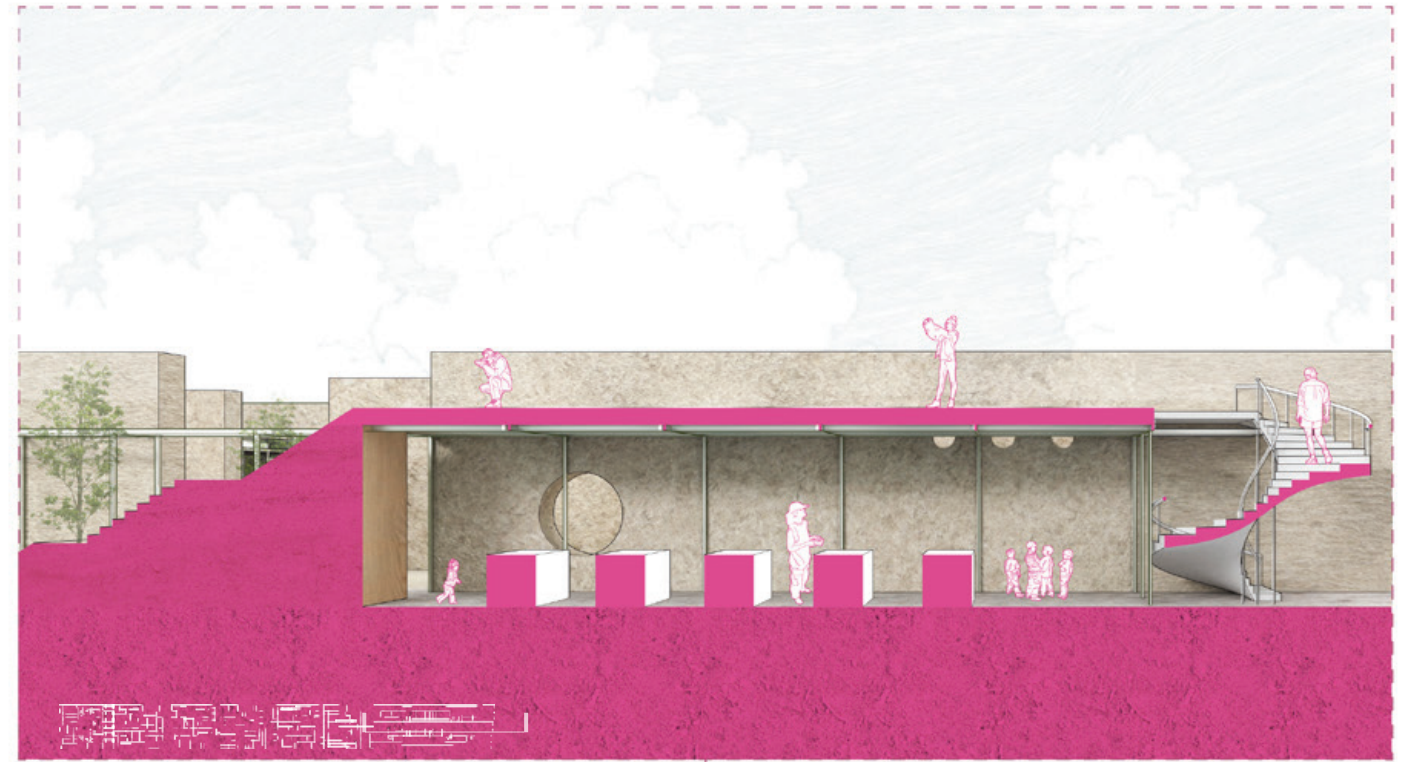
GREENHOUSE



MAKER STUDIO



RESEDCENCE + OBSERVATIONAL TOWER SECTIONAL PERSPECTIVE



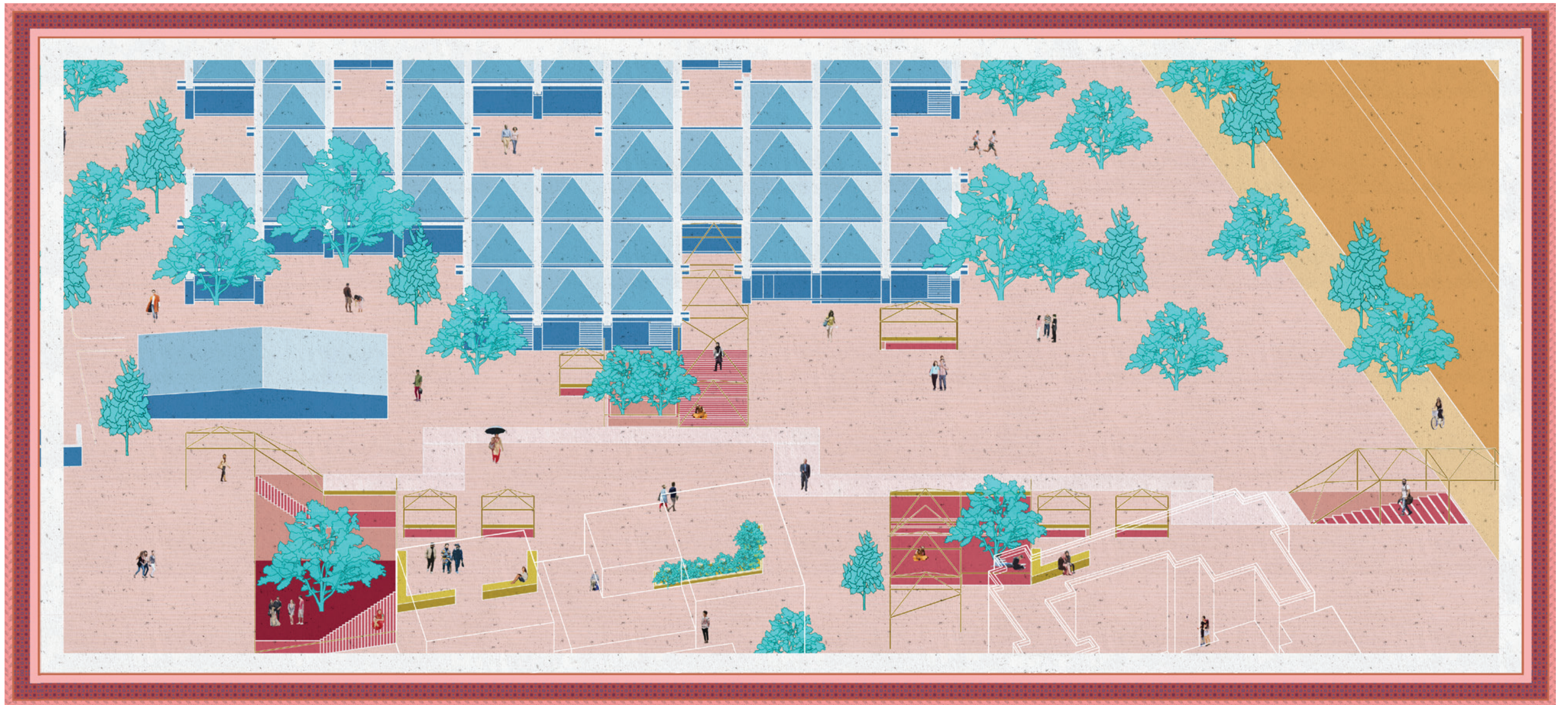
MAKER STUDIO SECTIONAL PERSPECTIVE

0 1 2 5 10



OVERALL SECTION

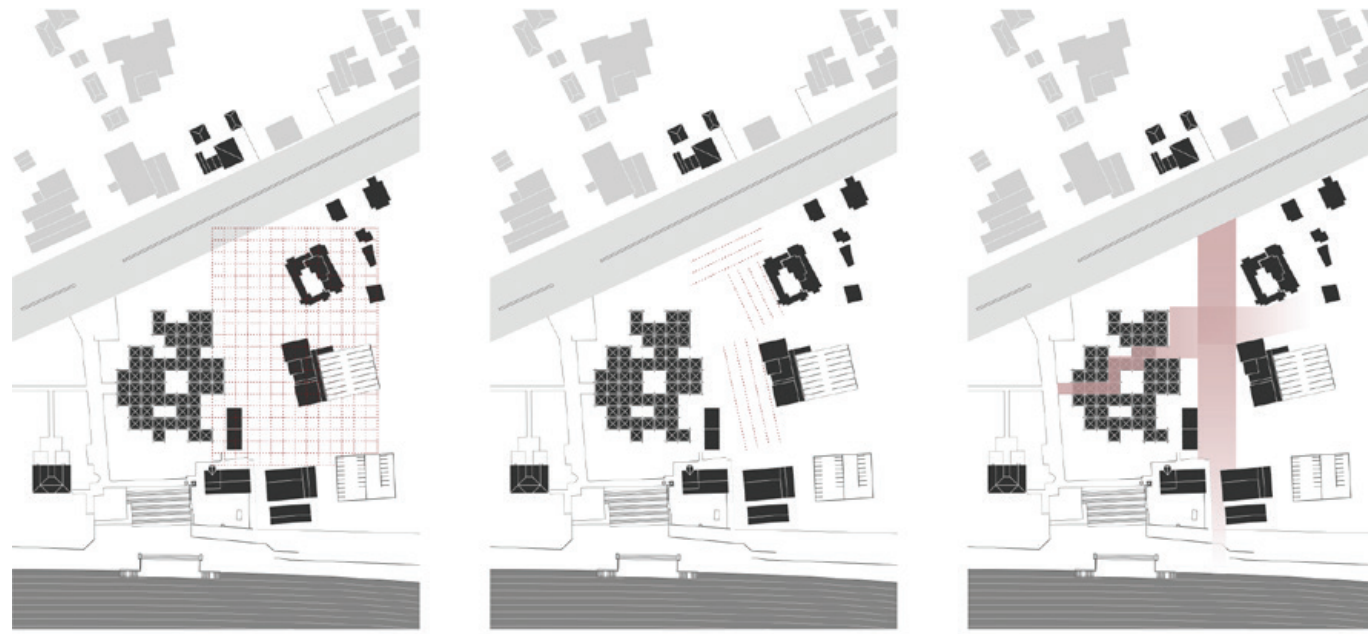
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2022 | Ahmedabad, India
Instructor: Sarosh Anklesaria

This project is an extension of the Gandhi Memorial Museum designed by B. V. Doshi located in the Sabarmati Ashram in Ahmedabad, India. As of right now, there are over 30,000 letters and 50,000 books that the museum stores but are not exposed to the public. This project serves as an extended storage space for the archive collection, at the same time making the knowledge more accessible to the locals, travelers, and scholars. The project challenges the traditional definitions of “library” and “archive.” Archives/knowledge can be both in tangible and intangible forms. Tangible is the actual paper written copies, intangible being the knowledge transferred through the word of mouth. The definition of the library can also be redefined accordingly so that any place that allows the transfer of knowledge can be counted as a library. This project uses the new interpretation of archives and library to create a space that exposes knowledge to the public and encourages the maximum transmission of knowledge.

BEYOND ARCHIVE
LIVING MEMORIAL TO GANDHI



Extract Grid From Existing Museum

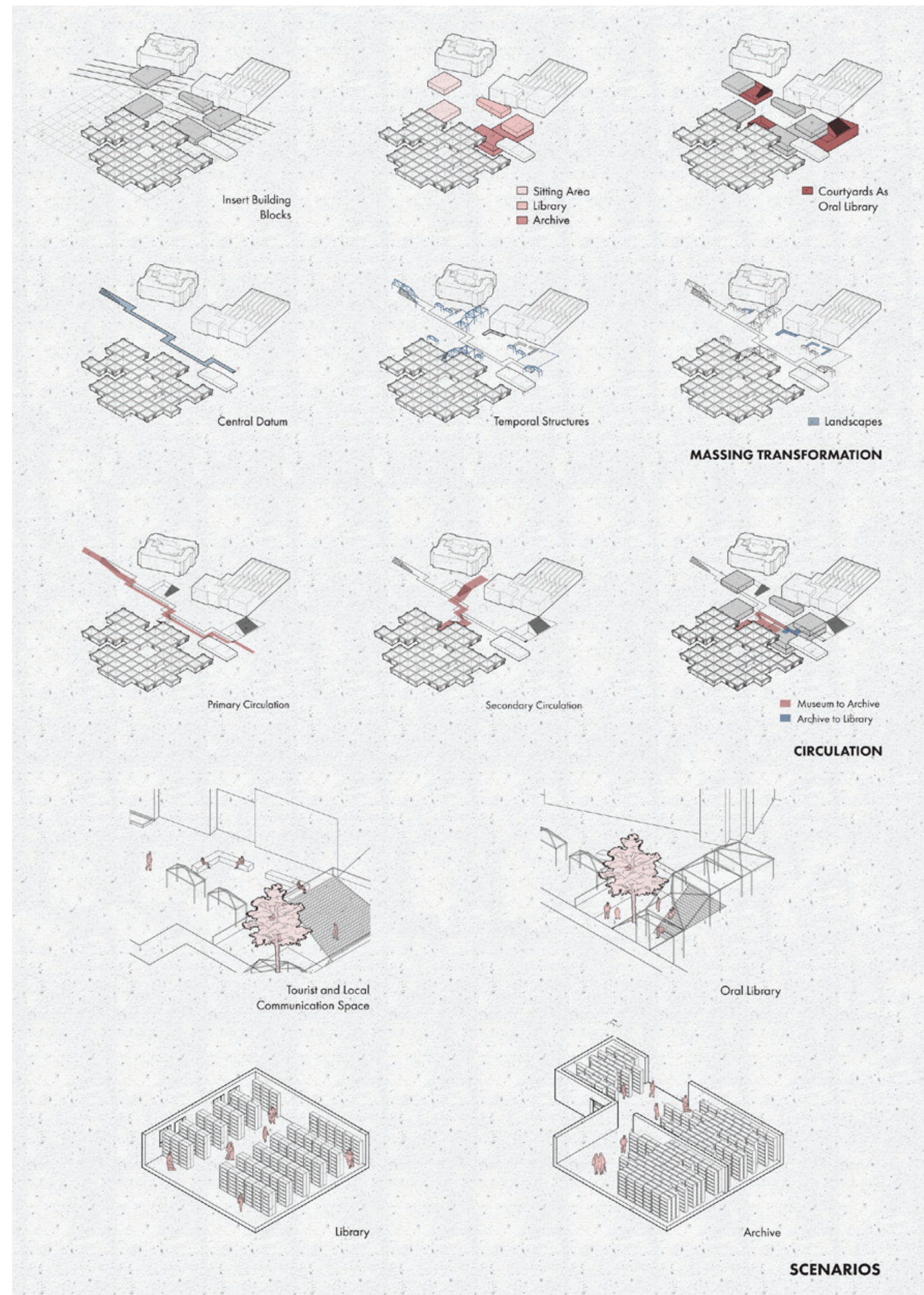
Extract Lines From Adjacent Buildings

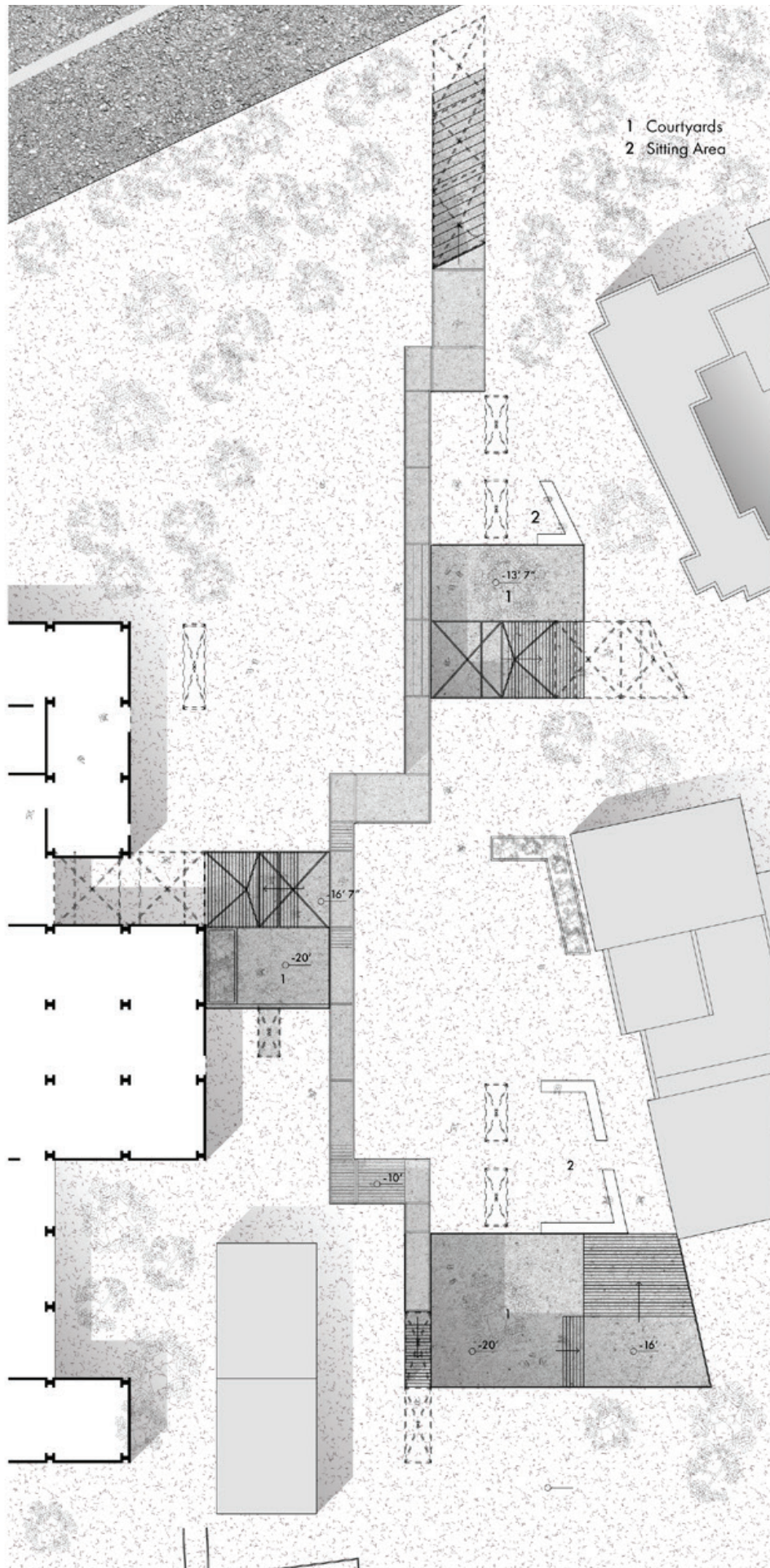
Viewport

SITE DIAGRAM



SITE PLAN

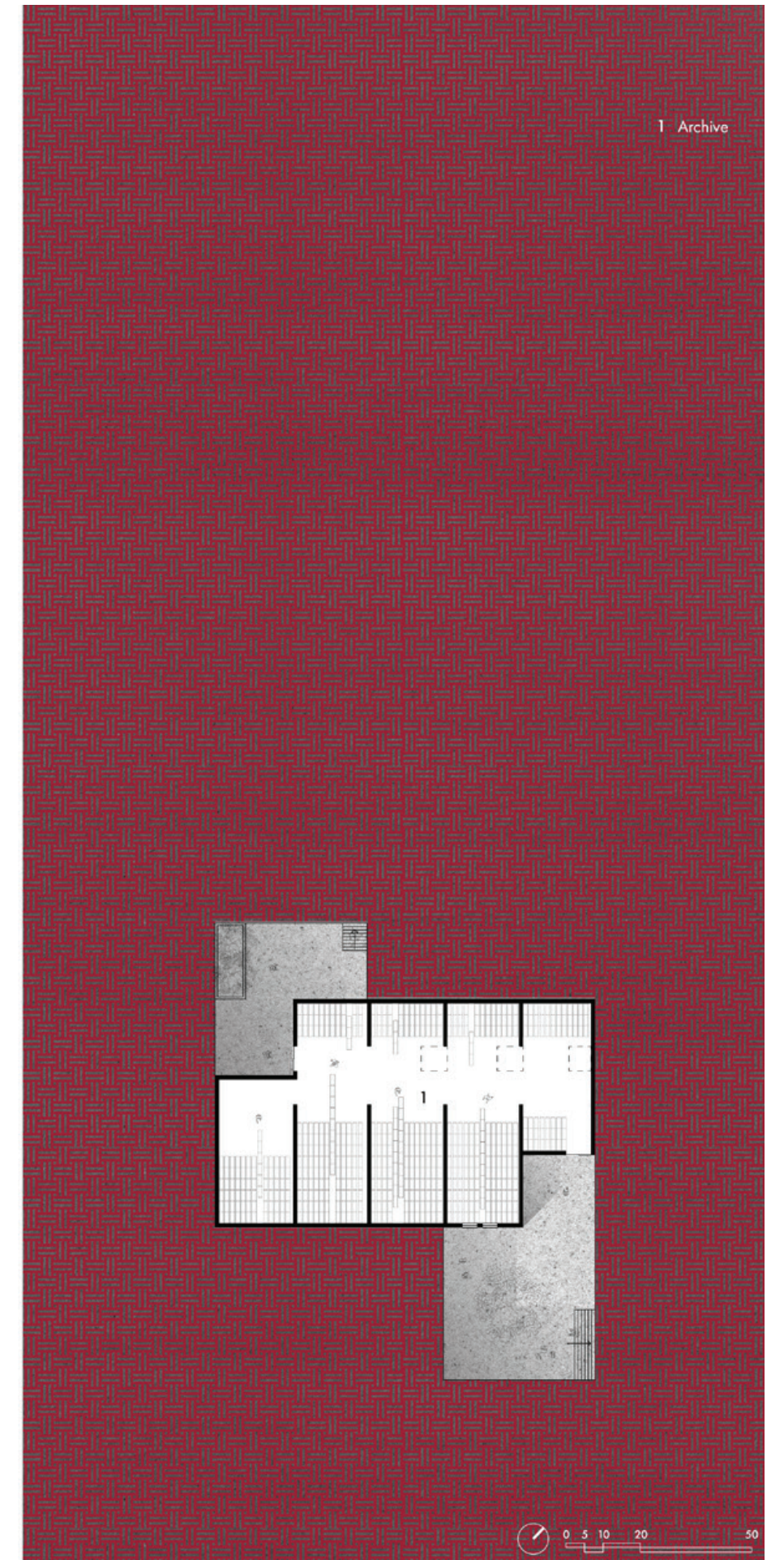




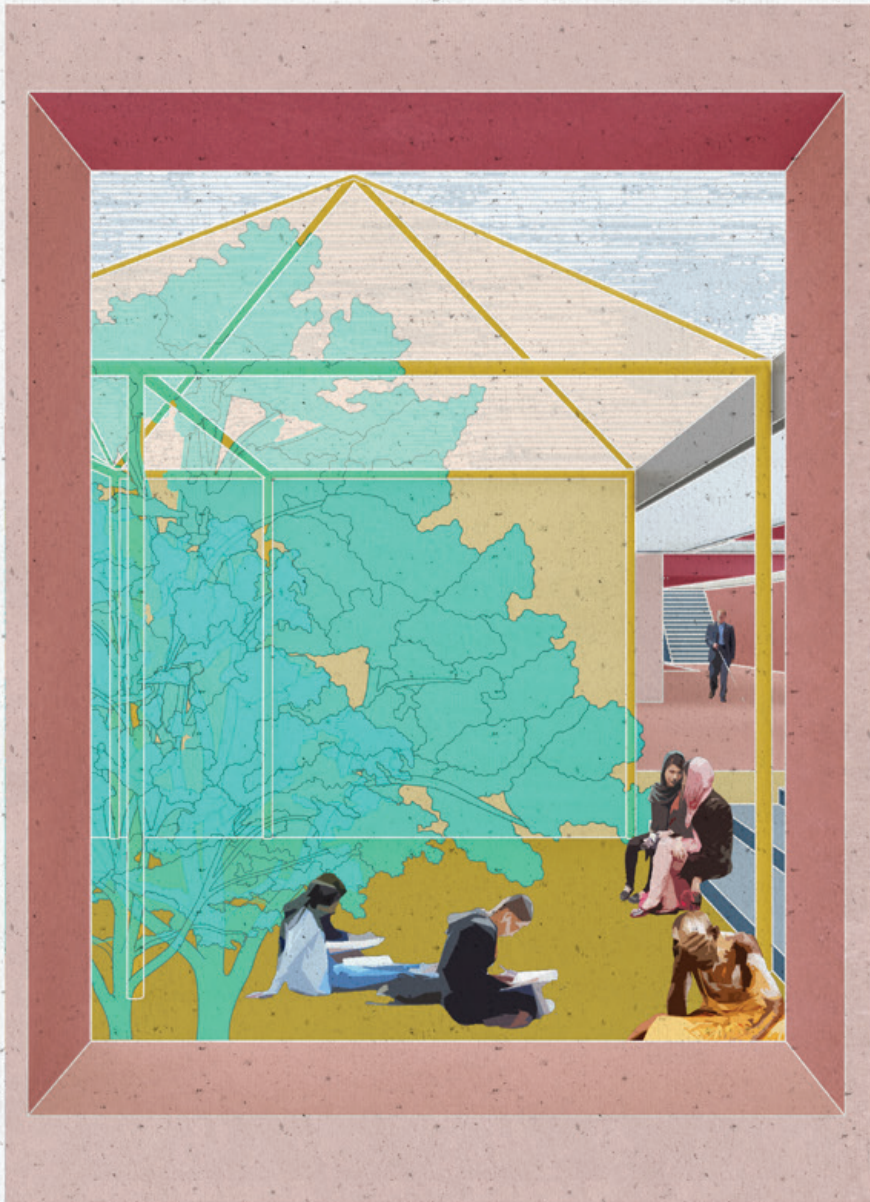
GROUND LEVEL



UNDERGROUND LEVEL 1



UNDERGROUND LEVEL 2



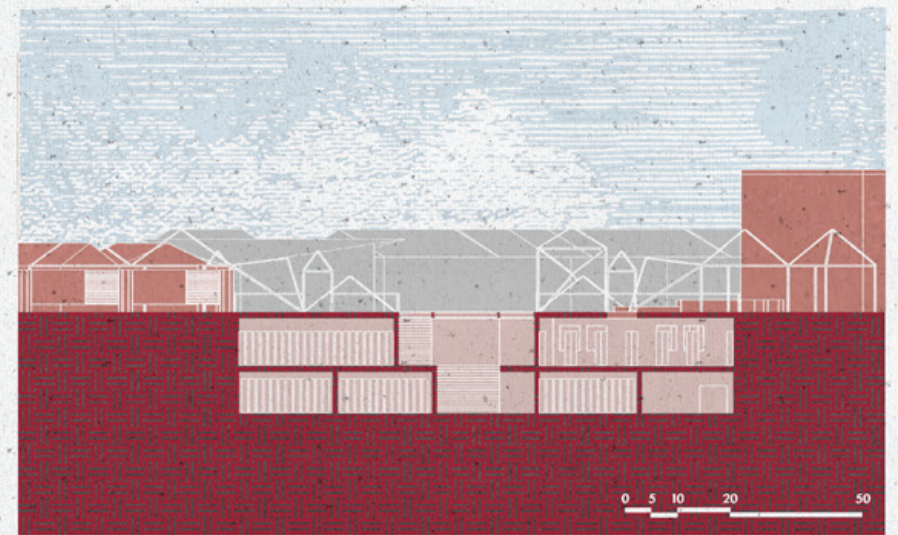
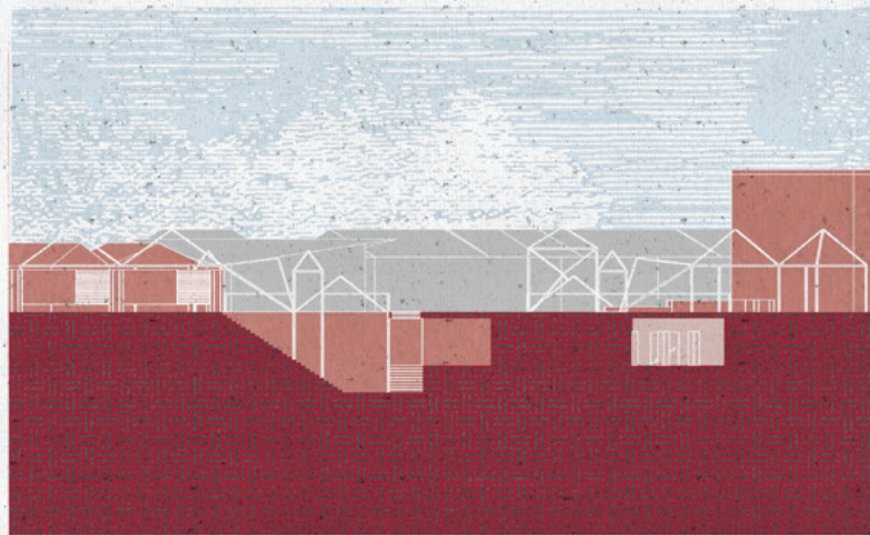
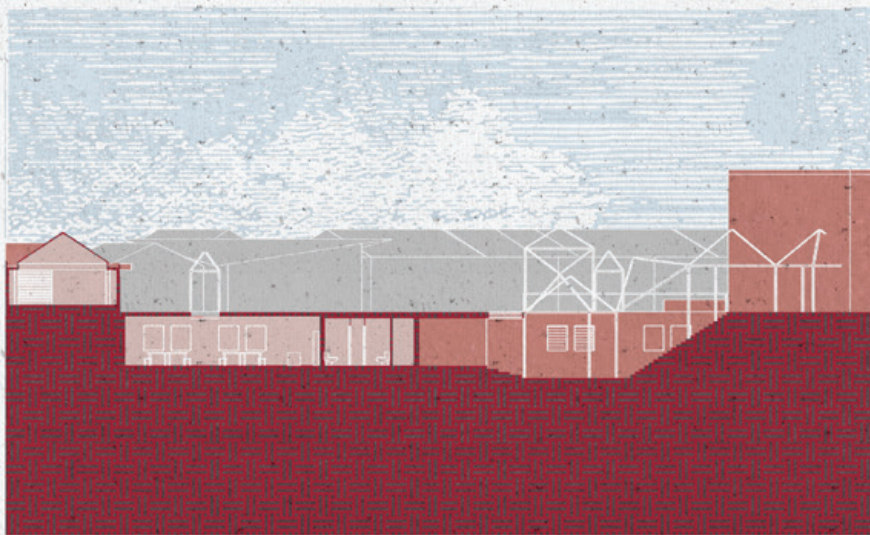
COURTYARD + ORAL LIBRARY

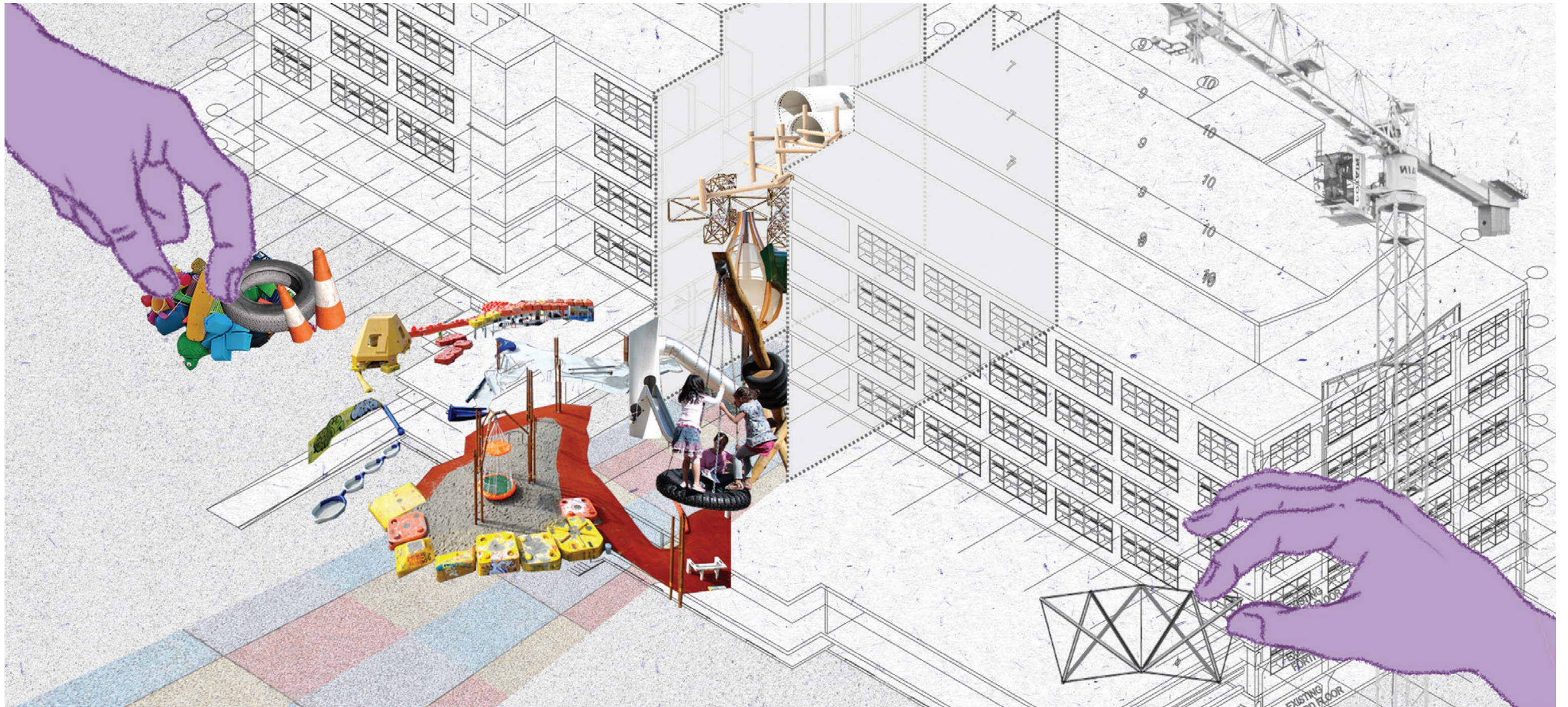


ENTRANCE



LIBRARY



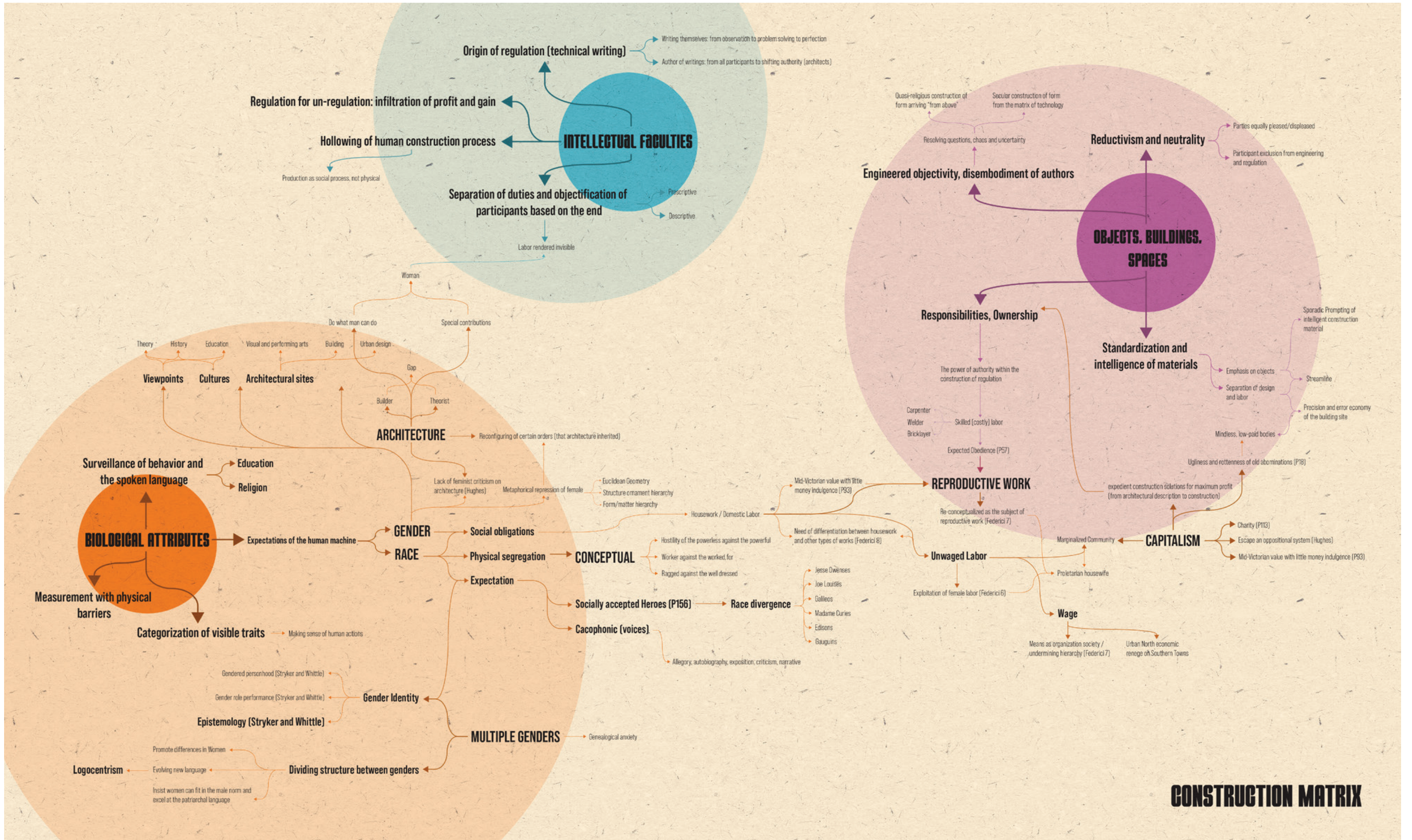


2022 | Homewood, Pittsburgh, PA
Instructor: Mary-Lou Arcscott

This project focuses on the denial of the sense of singularity both in the people who work in the structural steel trade and in the trade itself. Through narrating the process of steel production and reproduction, this project explores multifaceted possibilities for women and the LGBTQ community working in structural iron and the possibilities in more dynamic images of structural iron itself. Through collages and diagrams, the project illustrates a process of reimagining a way that takes full advantage of the city and uses the recyclable nature of steel as part of the trade training. As for the end, it is crucial to think about how to give back to the Homewood community and complete the material cycle. Through incorporating used wood, steel, pipes, and other means in the final playground infrastructures, the project aims to illustrate a world where used products are redesigned and redistributed back into the community, at the same time giving more opportunities for children to learn about different trades.

CONSTRUCTION ENGERDERED

REIMAGINING THE STRUCTURAL IRON CYCLE



Origin of regulation (technical writing)

- Writing themselves: from observation to problem solving to perfection
- Author of writings: from all participants to shifting authority (architects)

Regulation for un-regulation: infiltration of profit and gain

Hollowing of human construction process

Production as social process, not physical

Separation of duties and objectification of participants based on the end

- Prescriptive
- Descriptive

Labor rendered invisible

Surveillance of behavior and the spoken language

- Education
- Religion

BIOLOGICAL ATTRIBUTES

Measurement with physical barriers

Categorization of visible traits

Gendered personhood (Stryker and Whittle)

Gender role performance (Stryker and Whittle)

Epistemology (Stryker and Whittle)

Promote differences in Women

Logocentrism

Insist women can fit in the male norm and excel at the patriarchal language

ARCHITECTURE

Reconfiguring of certain orders (that architecture inherited)

GENDER

Social obligations

RACE

Physical segregation

Expectation

CONCEPTUAL

- Hostility of the powerless against the powerful
- Worker against the worked, for
- Ragged against the well dressed

Socially accepted Heroes (P156)

Race divergence

- Jesse Owens
- Joe Louis
- Galileo
- Madame Curie
- Edison
- Gauguin

Cacophonous (voices)

Allegory, autobiography, exposition, criticism, narrative

MULTIPLE GENDERS

Genealogical anxiety

Dividing structure between genders

OBJECTS, BUILDINGS, SPACES

Engineered objectivity, disembodiment of authors

- Quasi-religious construction of form arriving "from above"
- Secular construction of form from the matrix of technology

Resolving questions, chaos and uncertainty

Reductivism and neutrality

- Parties equally pleased/displeased
- Participant exclusion from engineering and regulation

Responsibilities, Ownership

The power of authority within the construction of regulation

- Carpenter
- Welder
- Bricklayer

Skilled (costly) labor

Expected Obedience (P57)

REPRODUCTIVE WORK

Re-conceptualized as the subject of reproductive work (Federici 7)

Unwaged Labor

Exploitation of female labor (Federici 6)

Wage

Means as organization society / undermining hierarchy (Federici 7)

Urban North economic renege of Southern Towns

Standardization and intelligence of materials

- Emphasis on objects
- Separation of design and labor

Sporadic Prompting of intelligent construction material

Streamline

Precision and error economy of the building site

Mindless, low-paid bodies

Ugliness and rottenness of old abominations (P18)

expedient construction solutions for maximum profit (from architectural description to construction)

CAPITALISM

- Charity (P113)
- Escape an oppositional system (Hughes)
- Mid-Victorian value with little money indulgence (P93)

Marginalized Community

Proletarian housewife

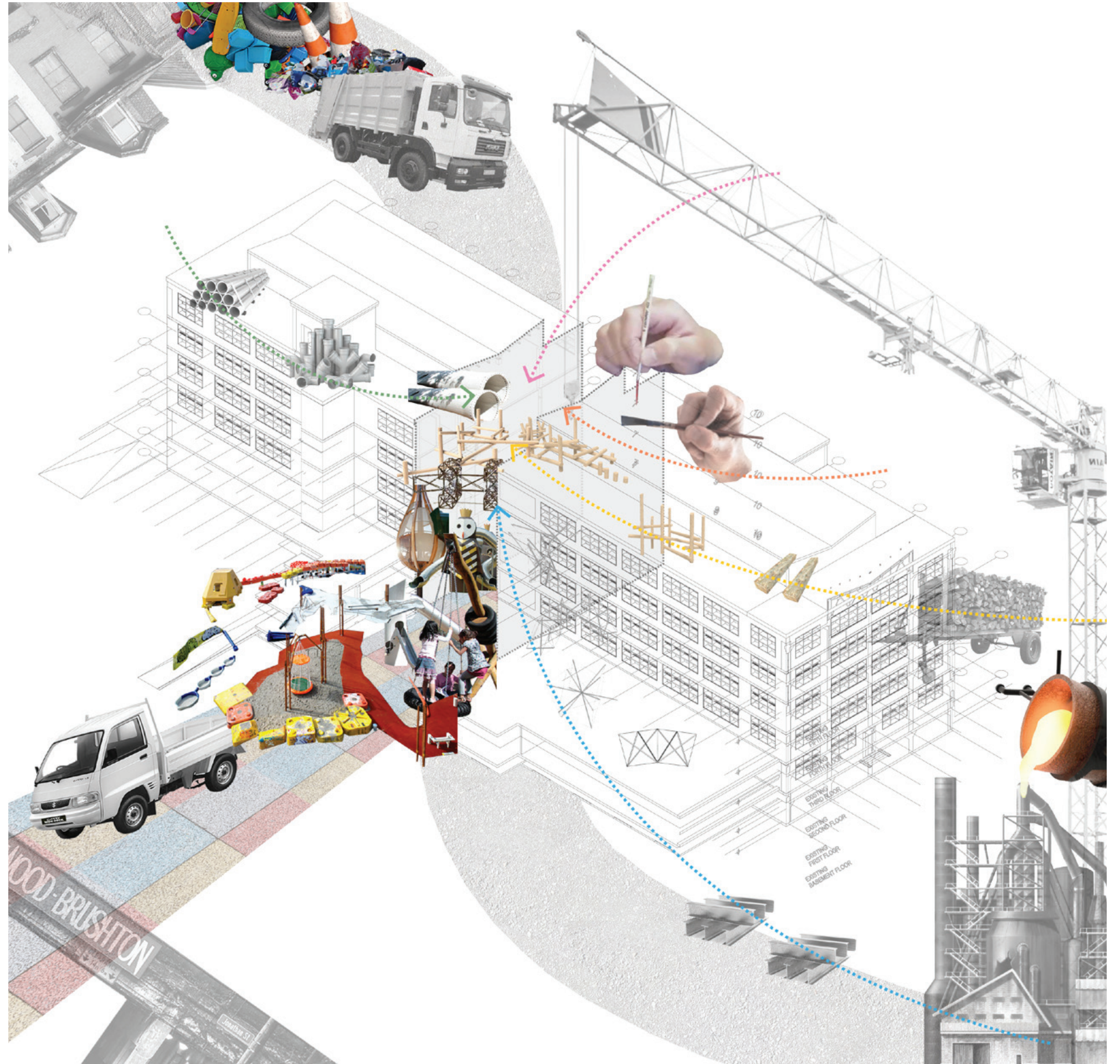
CONSTRUCTION MATRIX



Collage



Persona

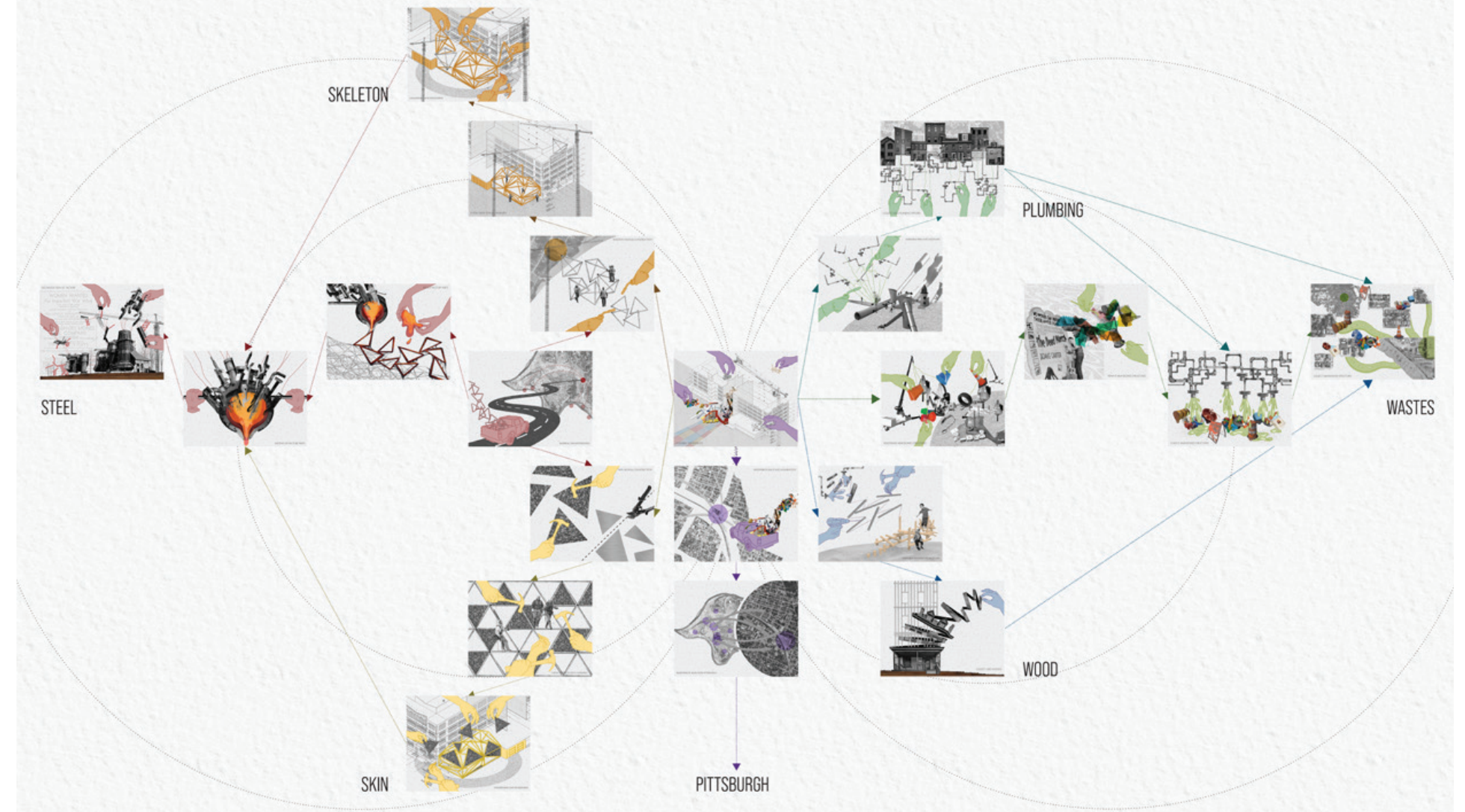


Renovation Mind-map of 7800 Susquehanna Street



To achieve adaptable concordance,

HOW MIGHT CONSTRUCTION ENGENDER GREATER ELASTIC REGULATION ?



MANIFESTO

I. REGULATION UTILIZED AS A MEANS TO FREE ONESELF FROM CONTAINMENT AND OBSERVATION.

To escape from the fragmented singularity of one's identity.

II. REGULATION WRITTEN AS AN EXTENSIVE ADAPTABLE ACCUMULATION OF MEMORIA IN AN EXPERTISE.

To trace back to the purpose of regulation creation.

III. REGULATION REFORMED THROUGH DISTINGUISHING SOCIAL RELATION FROM PRODUCTION RELATIONS.

To halt capitalism accumulation and work towards production of the "commoning".

IV. REGULATION ACKNOWLEDGING THE FRAGILE SPECIFICITY OF REALISM.

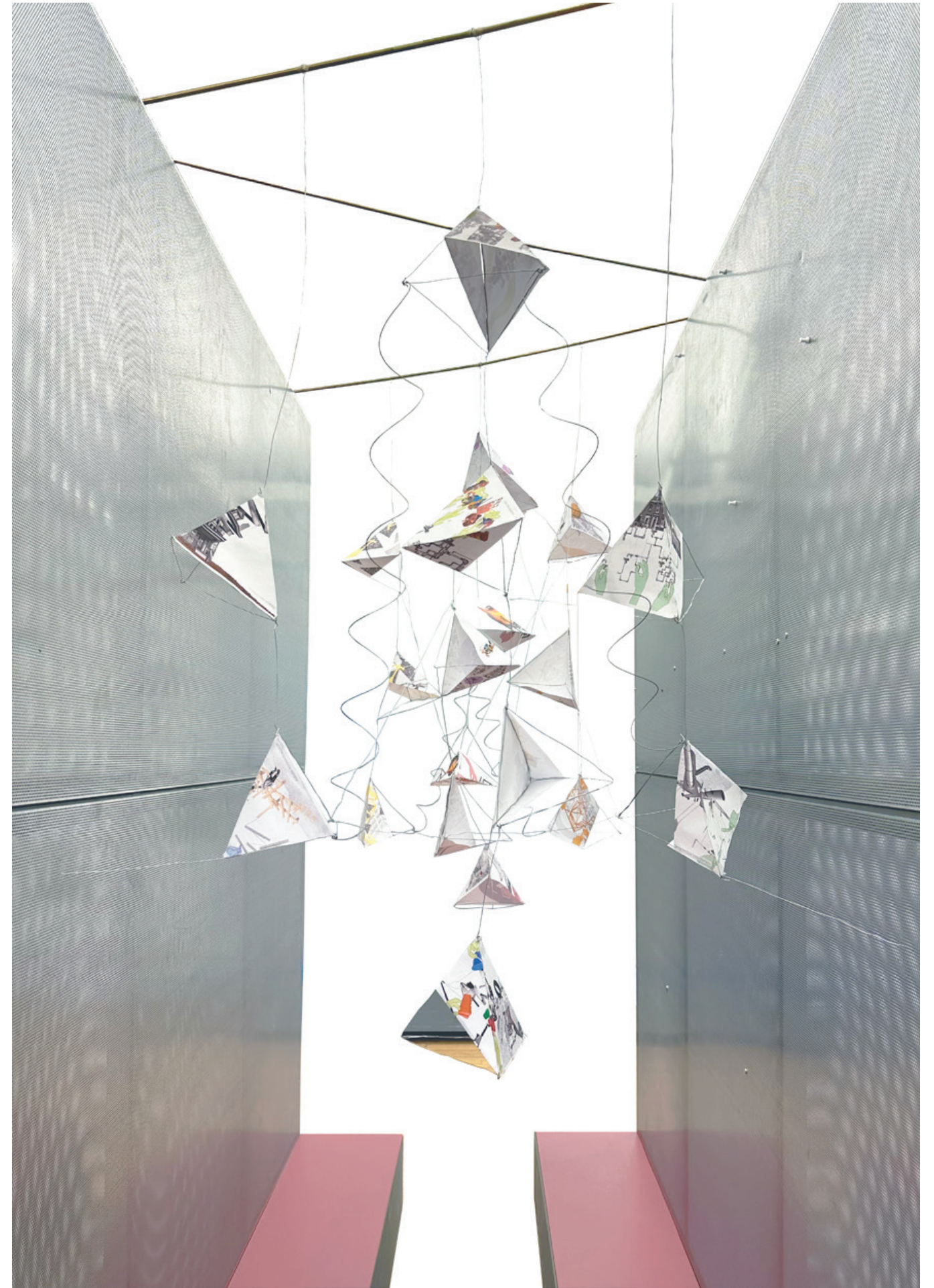
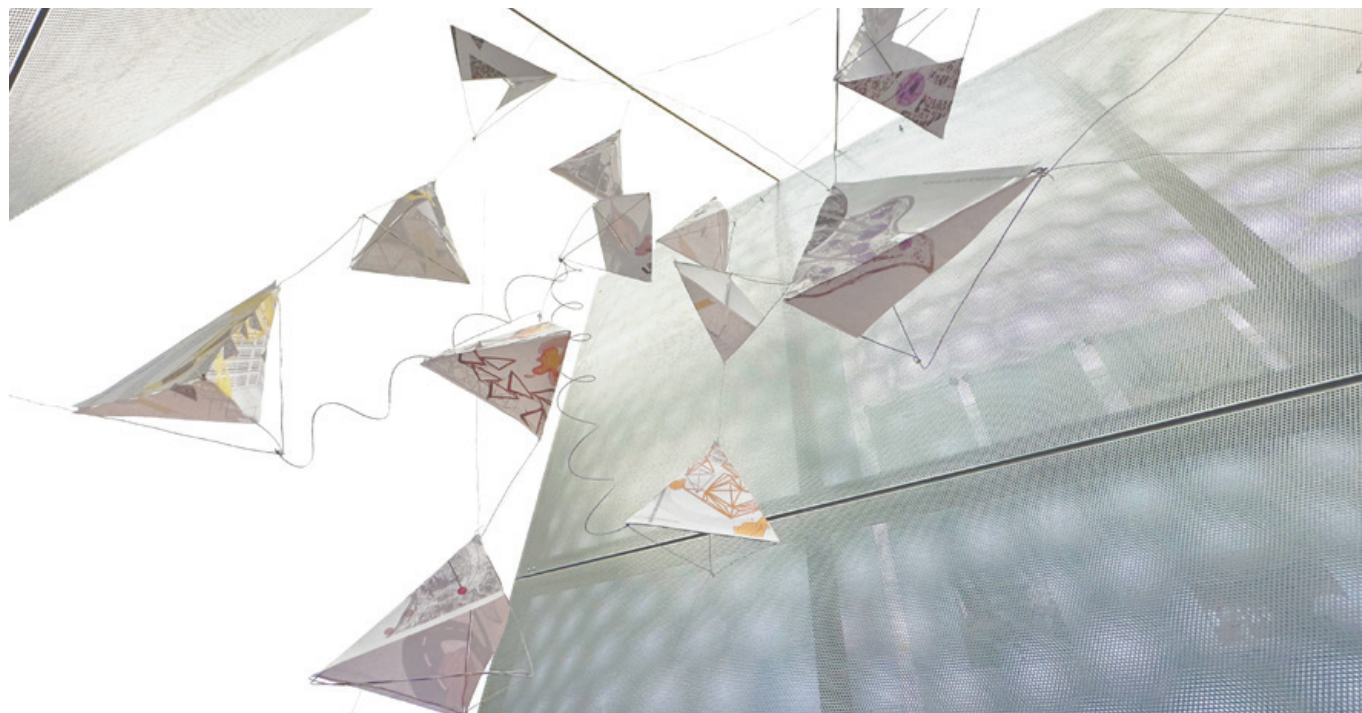
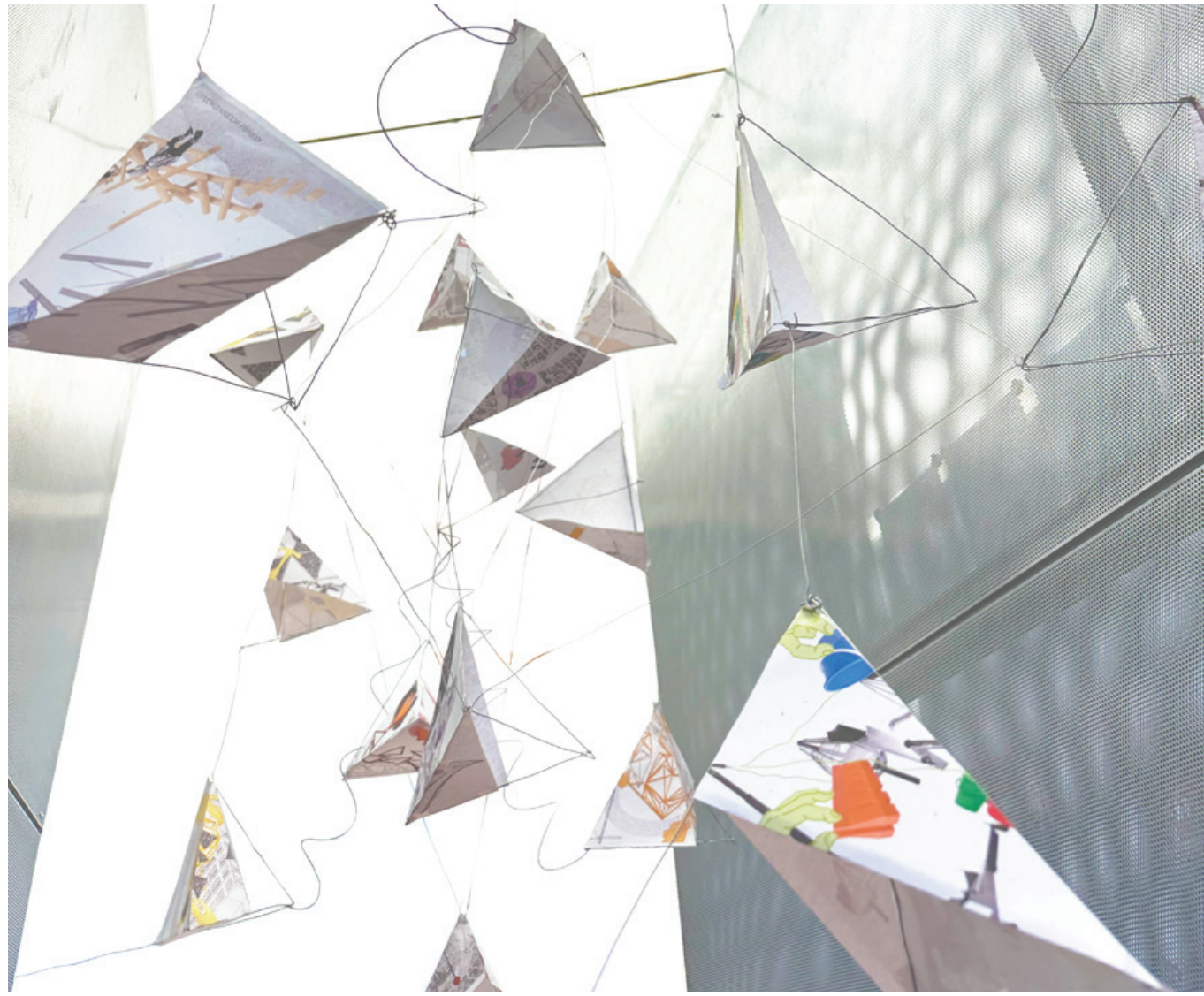
V. REGULATION EMBRACING LIMINAL LANGUAGE OF LOGOCENTRISM IN EMERGEENCE OF MULTI-GENDER STRATEGIES.

VI. REGULATION RECOGNIZING INTERVENING LABORERS AND INNOVATIVE ON-SITE SOLUTION IN SYSTEMS.

VII. REGULATION TERMINATING SEXUAL AND INTERNATIONAL DIVISION OF LABOR AND WAGE.

VIII. REGULATION CHALLENGES THE STABILITY OF REFERENT "SEX" AND EXISTING CATEGORICAL NORMS OF GENDER.

IX. REGULATION DENY THE TRANSMISSION OF CONSTATIVE INFORMATION BY TAKING FORM OF PERFORMATIVE UTTERANCE.



Installation



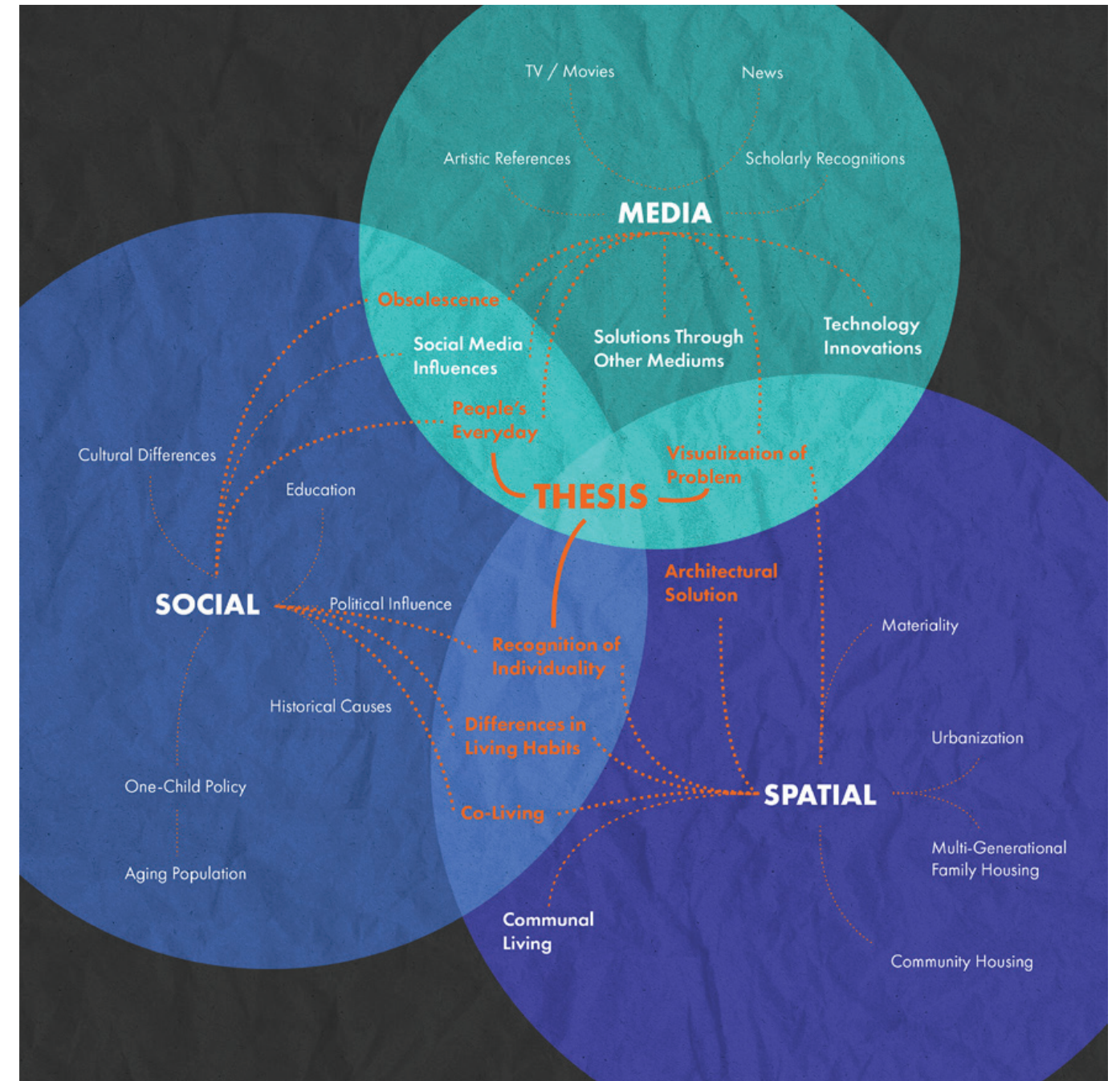
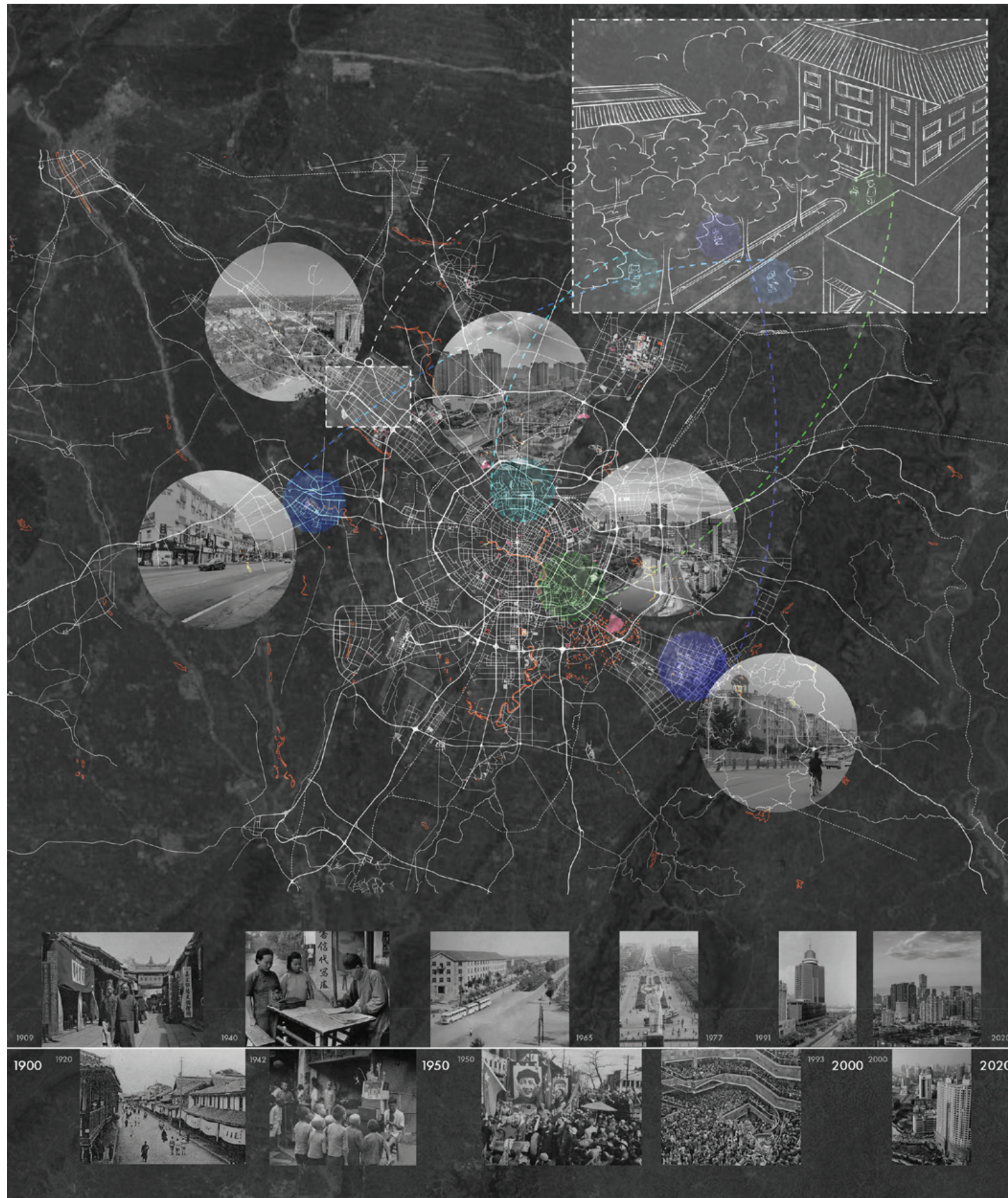
2023 | Chengdu, China
 Advisors: Mary-Lou Arscott, Tommy Yang

China went through a series of political and social changes in the past century. As it shifts from an agricultural economy to an industrial economy in the mid-1900s, it went through a rapid process of urbanization and many people moved into the city. The multi-generational living dissonances have always been present, however as modern life living in China forces people to live in the same apartment spaces, the dissonance became more and more apparent.

To help situate my thesis in this large pool of questions, I am using my family's own experience in Chengdu as the anchor point. I started by conducting interviews with people from different generations. By extracting individual narratives and recording the events that happened in the house in connection with historical research, I am creating an immersive experience for people so they can understand generational dissonance firsthand. And to do so, I am experimenting with different methods including drawing, mapping, animations, and modeling. This project is still in working progress.

MEMORANCE IN CO-LIVING

MORPHOLOGICAL EXPLORATION OF THE GENERATIONAL DISSONANCE



"Memorance" - a word that could be used to describe the experience of bringing memories to life, immersing oneself in them, and feeling the tension between the closeness and dissonance of the past and present. It can also imply a sense of intimacy and remembrance that come with revisiting old memories. By jumping back and forth between distorted memories and reality while creating the mediums, I want to fabricate a more personal connection with people and exactuate the sense of uncanniness and mismatch that come along with generational dissonance



Grandma



me

Mother



Grandma

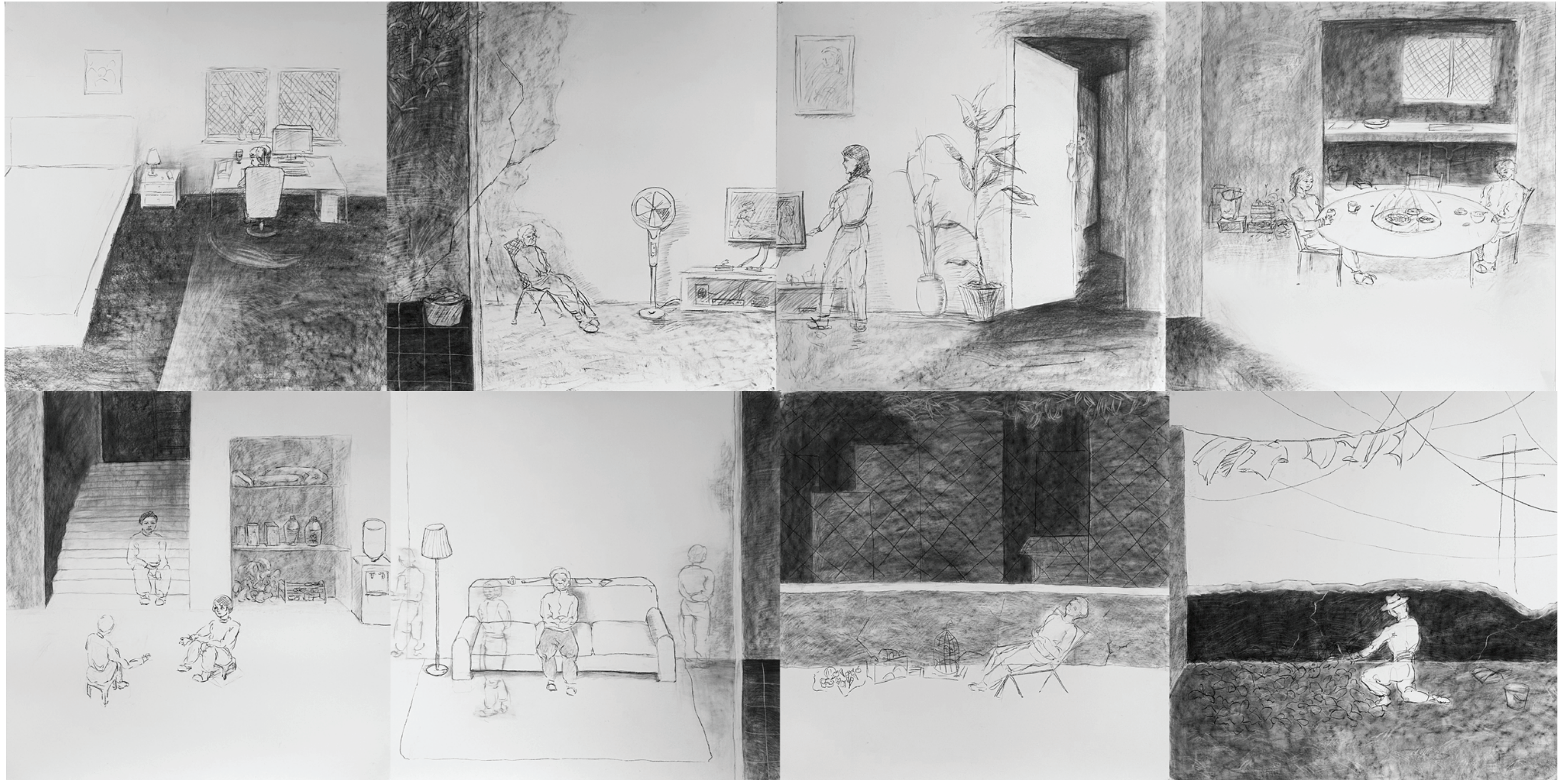


Grandpa

Character Board



Framing Study



Charcoal Drawings depicting Scenarios Extracted From Interviews