Disobedient OBJECTS

Jules Kleitman
Columbia GSAPP Portfolio

Disobedient OBJECTS

Unadapted Armories
reorienting armories for new publics

Type: **Advanced V Studio**
Professor: **Wonne Icks**
Collaborator: **Novak Djogo**

Afterlife
of suburban corporate office parks

Type: **Advanced IV Studio**
Professor: **Phu Hoang**
Collaborators: **Andres Alavarez Davila**
Zak Meghouni-Brown

The Little Prince Primary School
reuse for childhood development

Type: **Core II Studio**
Professor: **Erica Goetz**

Disobedient Objects
resisting gentrification in west harlem by grafting a recyling leisure center to the 125th street viaduct

Type: **Core I Studio**
Professor: **Alessandro Orsini**

Supercore
subvert real-estate tactics with a super-core that reinvents the relationship between shared and private

Type: **Core III Housing Studio**
Professor: **Annie Barrett**
Collaborator: **Bianca Lin**

Urban Fabric
de-densifying the Garnment district introducing housing for the circular economy

Type: **Advance VI Studio**
Professor: **Anna Puigjaner**
Collaborator: **Livia Calari**

Disobedient PROJECTS

A Dip in Heritage
adapting the biblioteque nationale by Henri Labrouste into a swimming pool

Type: **ADR - I**
Professor: **Bika Rebek**

Spare Rib
Model Fictions - Scenographic modelling for film

Type: **Model Fictions**
Professor: **Josh Jordan**
Collaborators: **Kylie Walker**
Jordan Readyhough

IBM Forest Data Center
Exhibition featuring mushroom powered computer

Type: **Making Kin with Biomaterials**
Professor: **Chris Woebken**
Collaborators: **Aditi Shetye**
Adeline Chum

Unadapted Armories

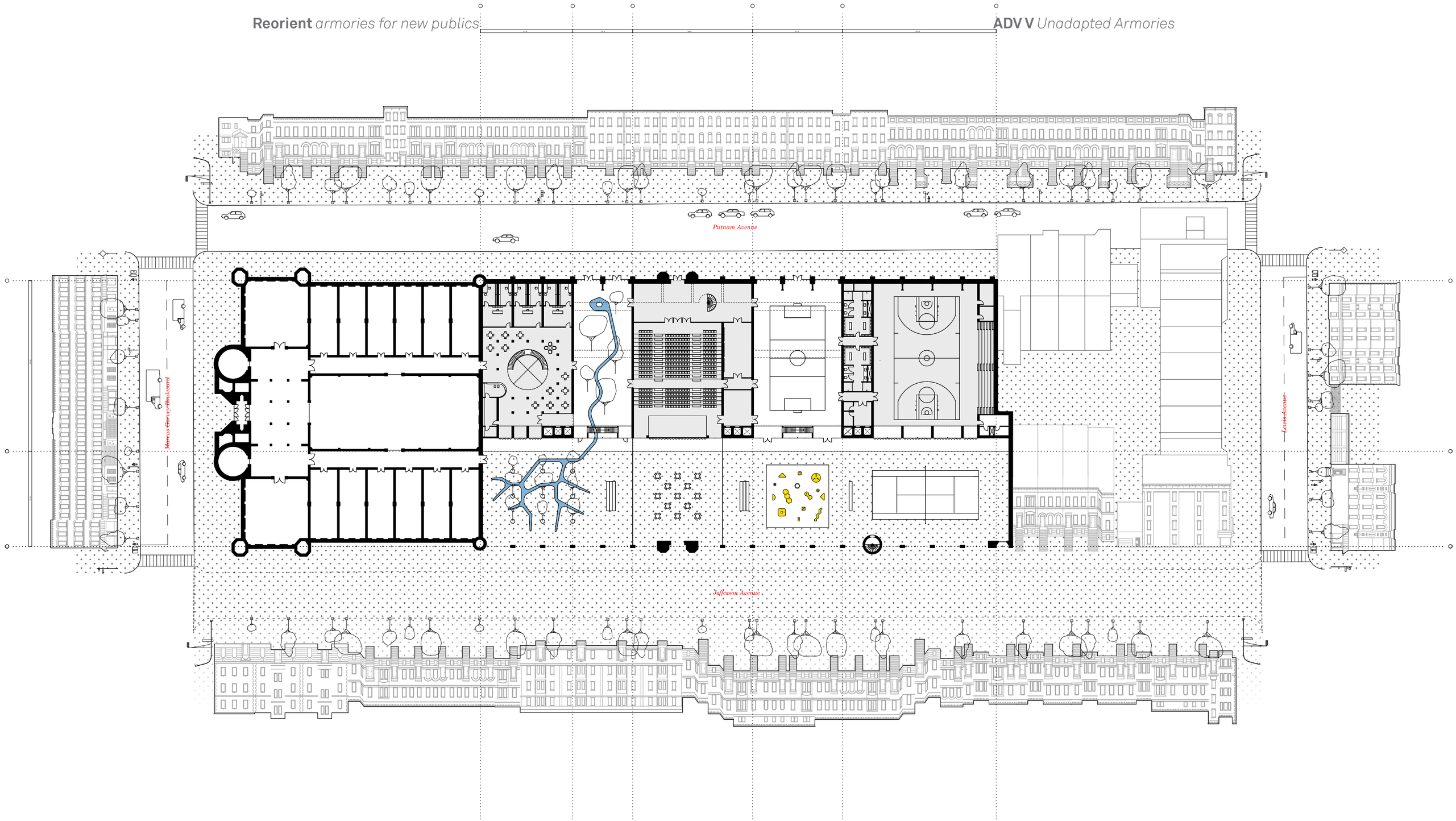
reorienting armories for new publics

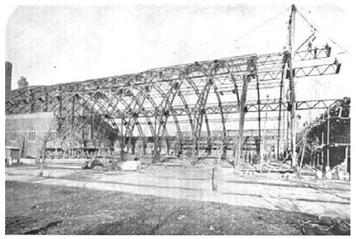
Brooklyn,
New York City

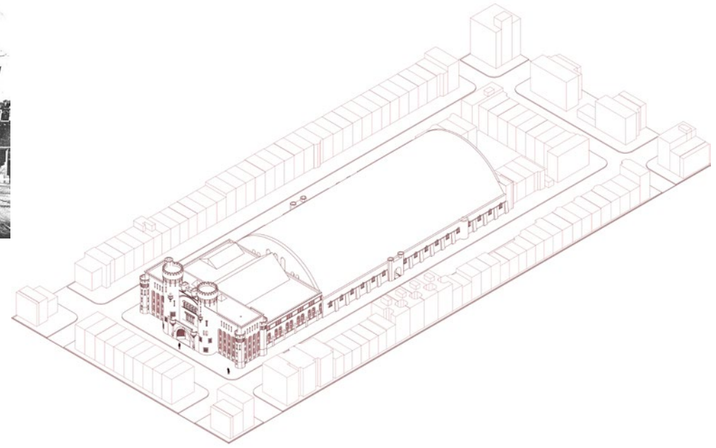
Section through Atrium

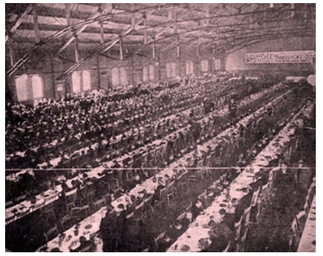
Type: **Advanced V Studio**
Professor: **Wonne Icks**
Collaborator: **Novak Djogo**

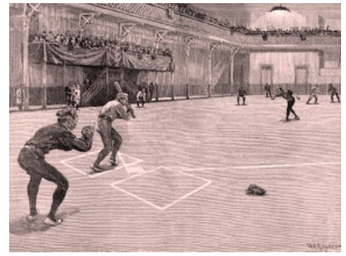
Section through Atrium

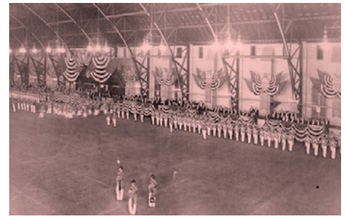

Putnam Avenue
Marcus Garvey Boulevard
Lewis Avenue
Jefferson Avenue

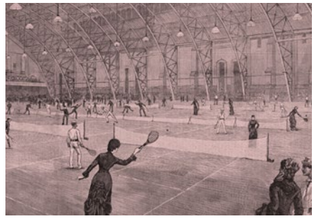


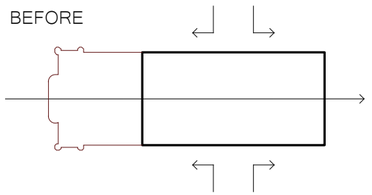








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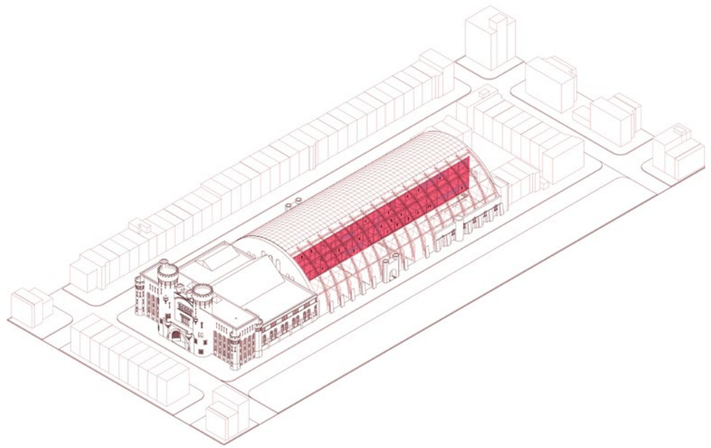

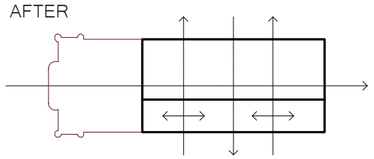
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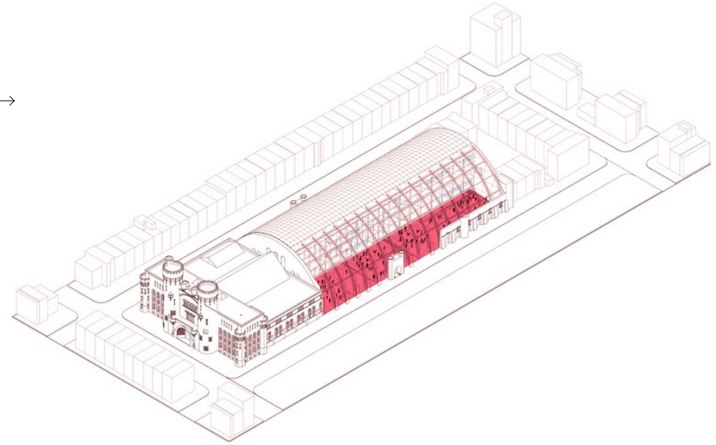
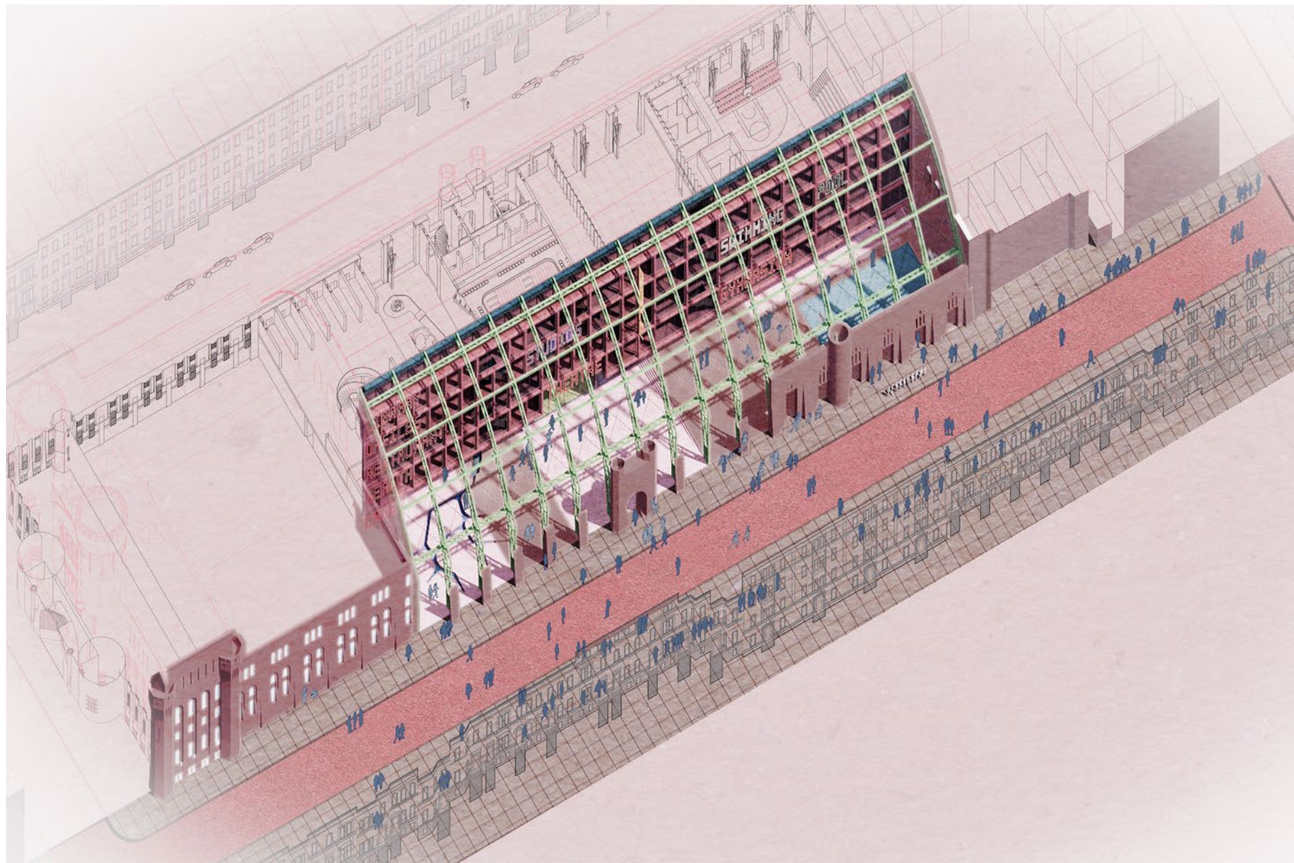
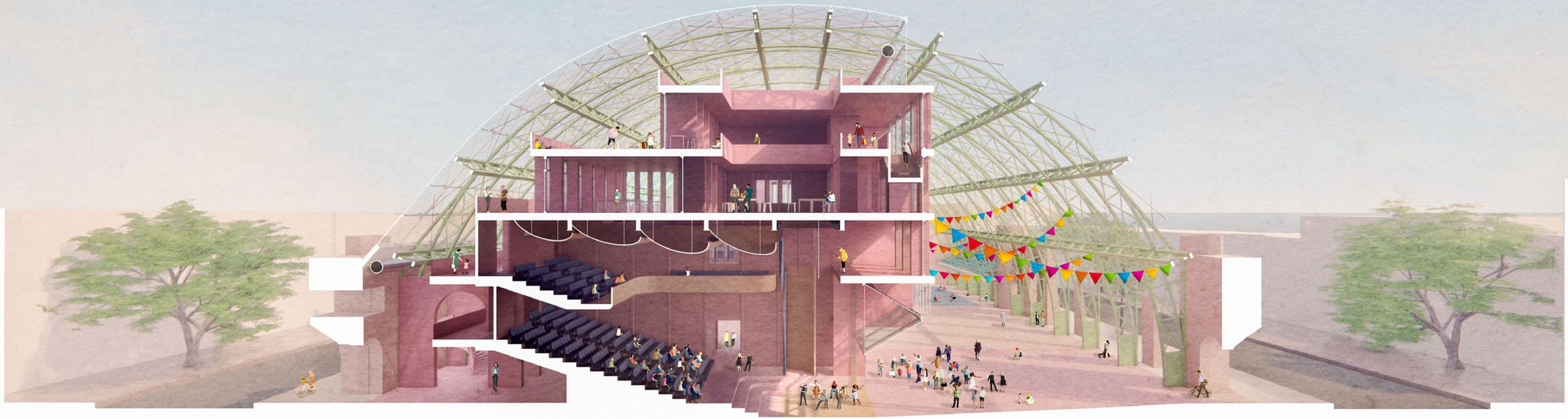
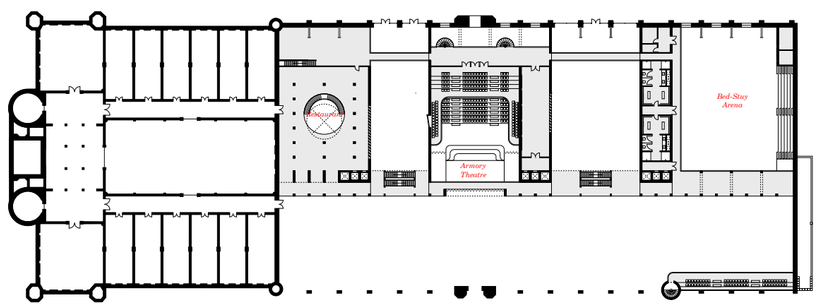


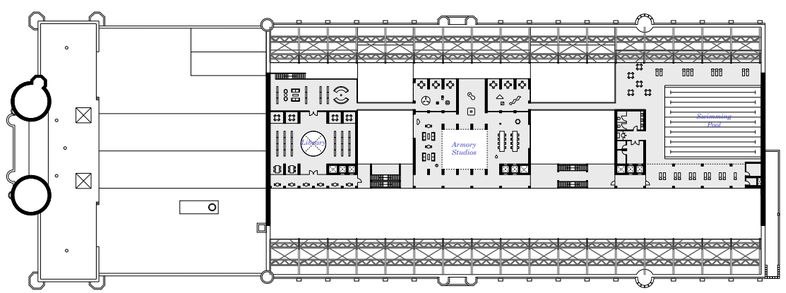

SIXTH MAINE



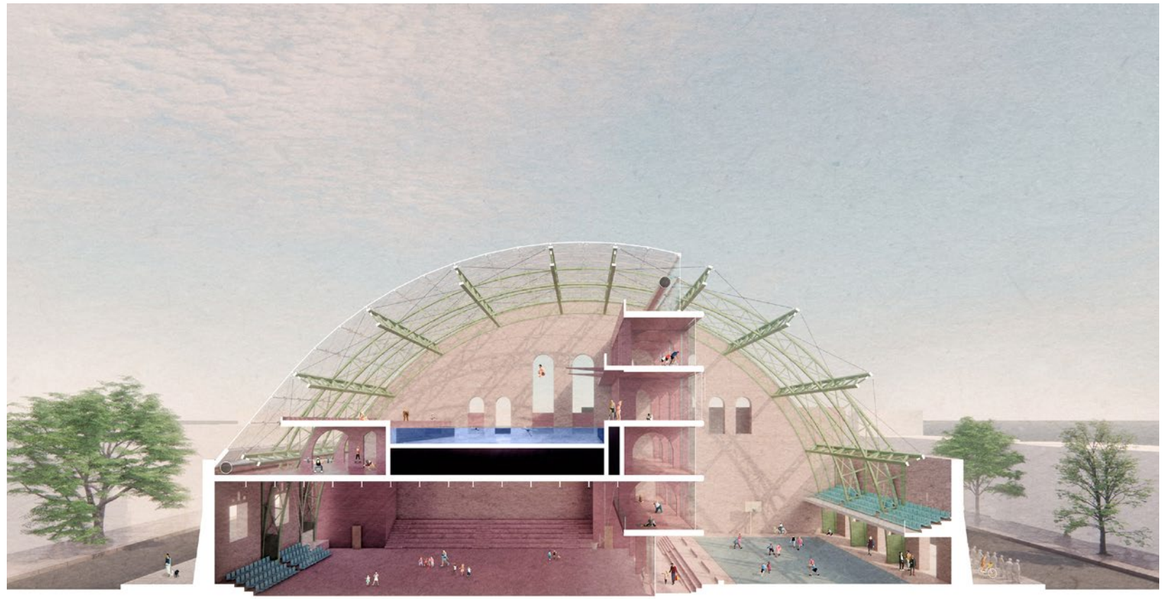
Section through Operable Theatre



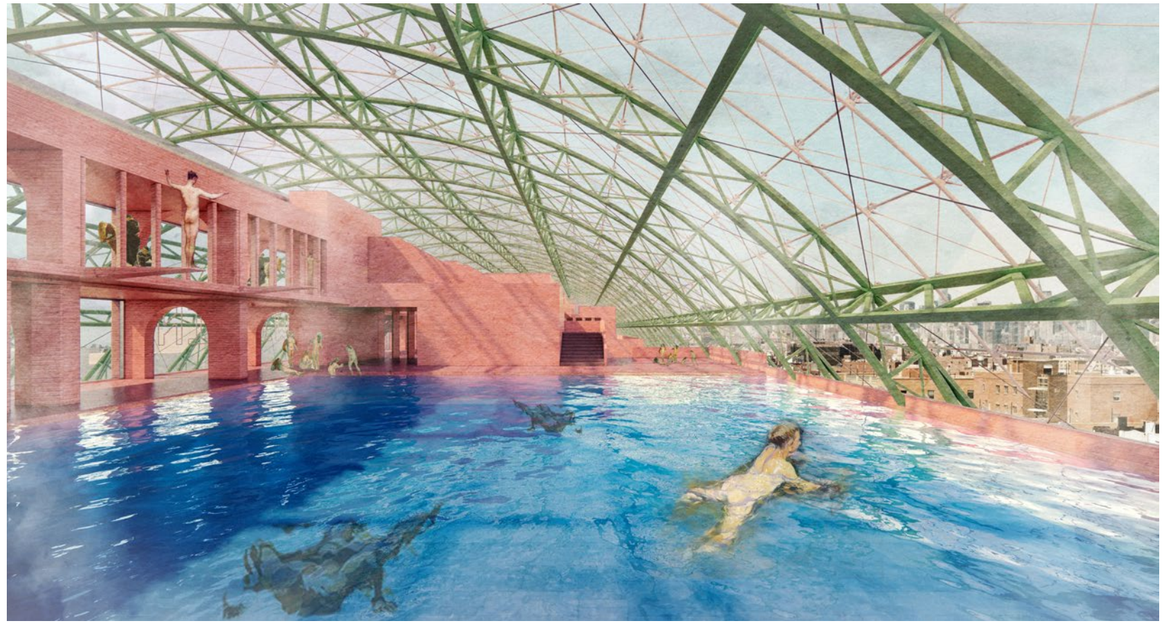
Lower Plan



Upper Plan

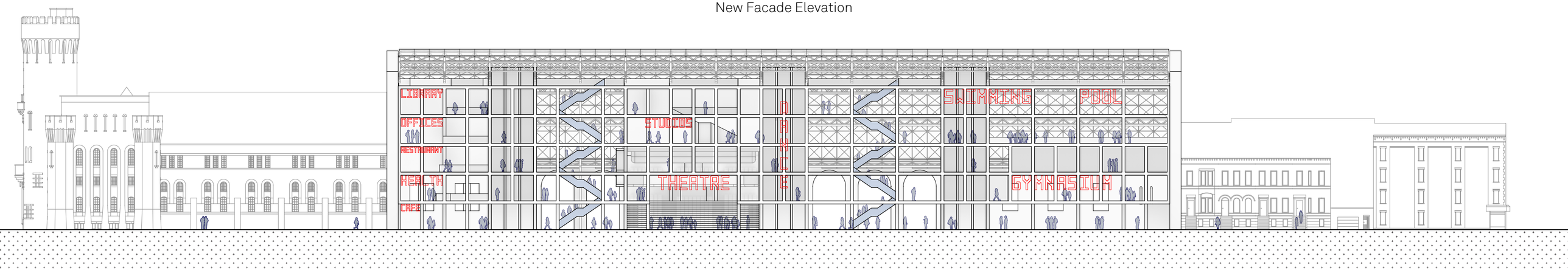


Section through Armory Arena and Pool

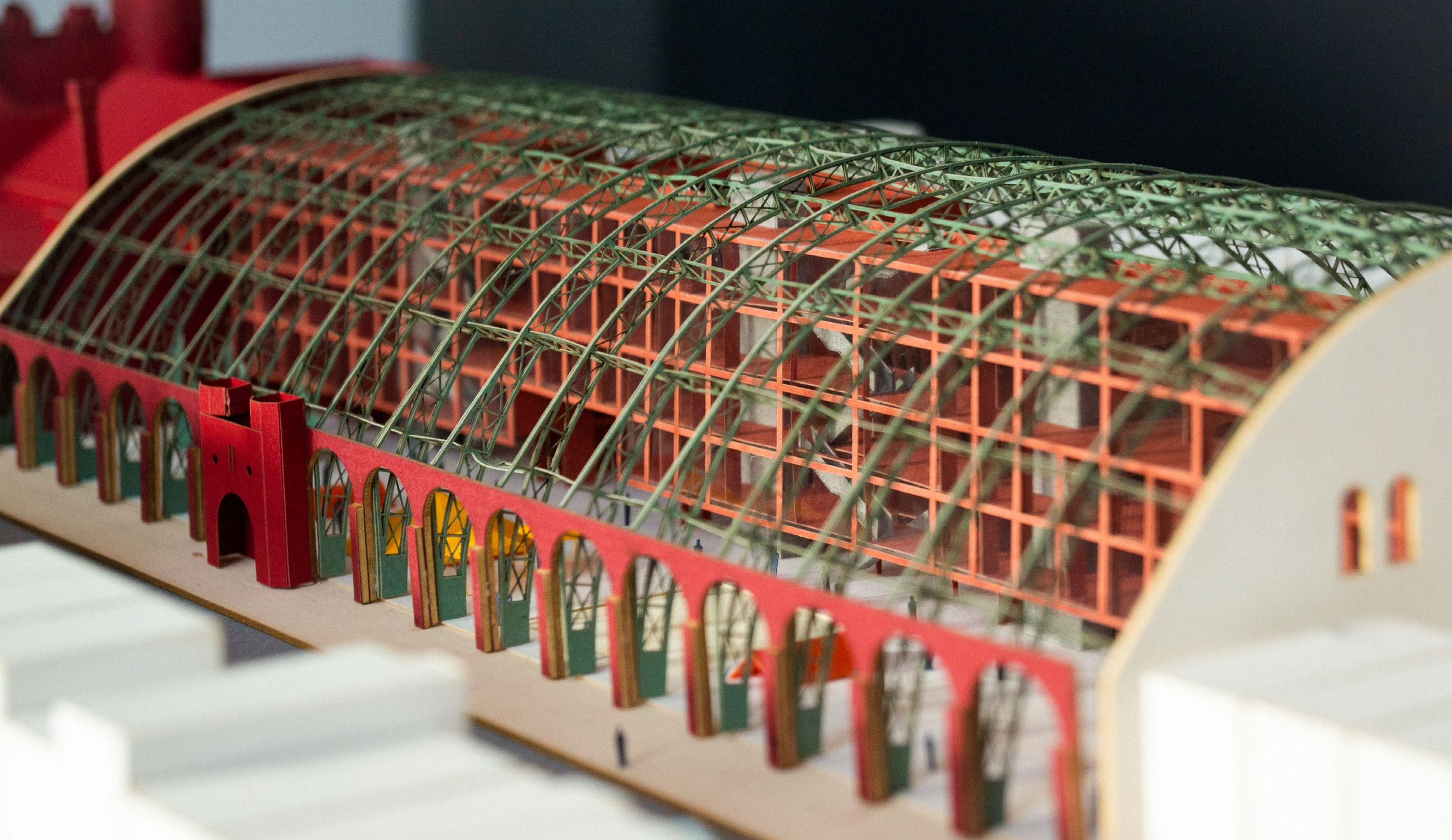


View from pool

New Facade Elevation



View in Atrium



STUDIOS
THEATRE
DANCE
SWIMMING POOL
GYMNASIUM

The Little Prince Primary School

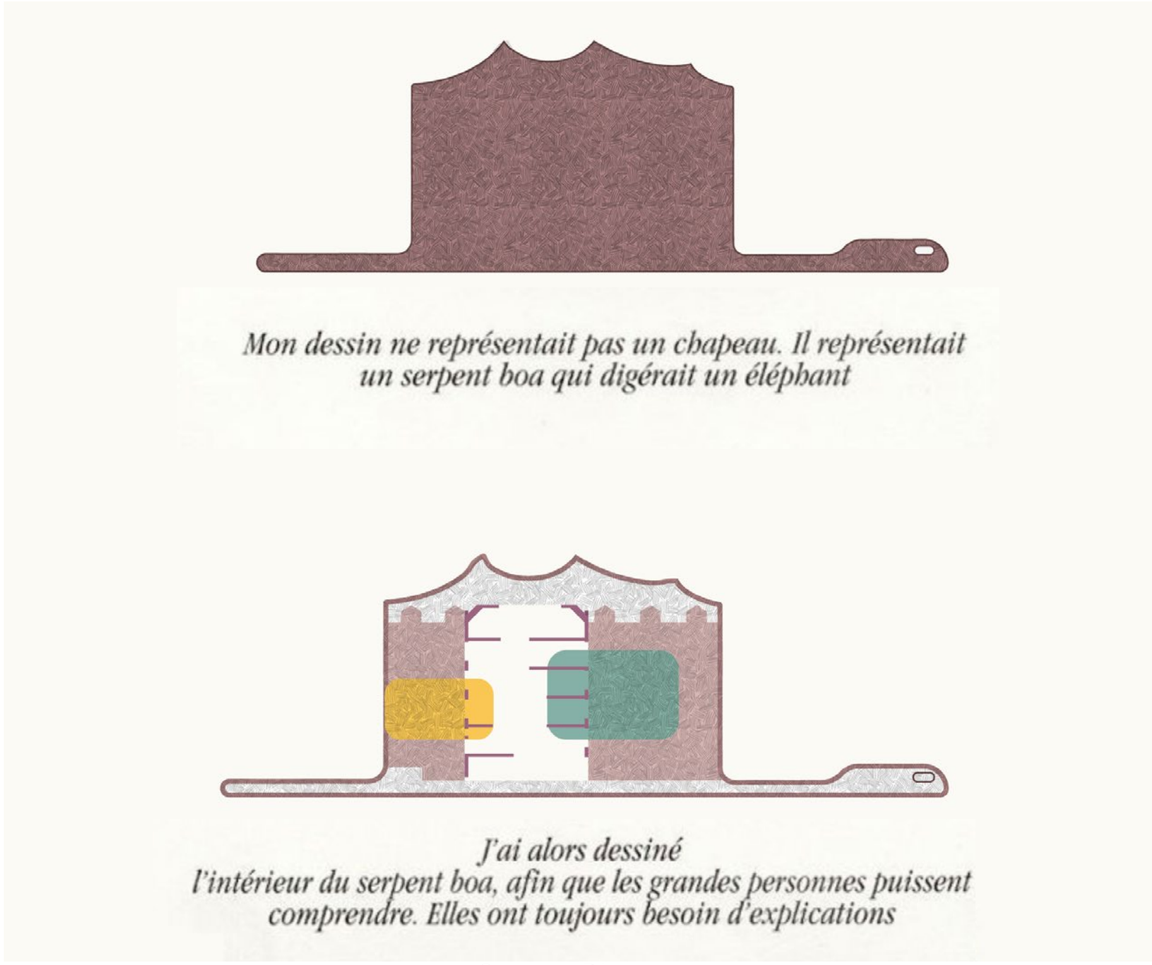
adaptive Reuse for childhood development

In the Little Prince by Antoine de Saint-Exupéry, the author is both a nostalgic narrator and an incessantly inquisitive child at the same time. The story follows a Little Prince from another planet learning about earth and meeting the narrator: a pilot. In the book, the stories of the pilot and the prince are misaligned in time, giving the impression of a single character that is apprehending the world with a child's eye while having the self-contemplation of an adult. St Exupery exposes themes about empirical knowledge vs. embodied knowledge, child mind vs adult mind, naivety vs. wisdom.

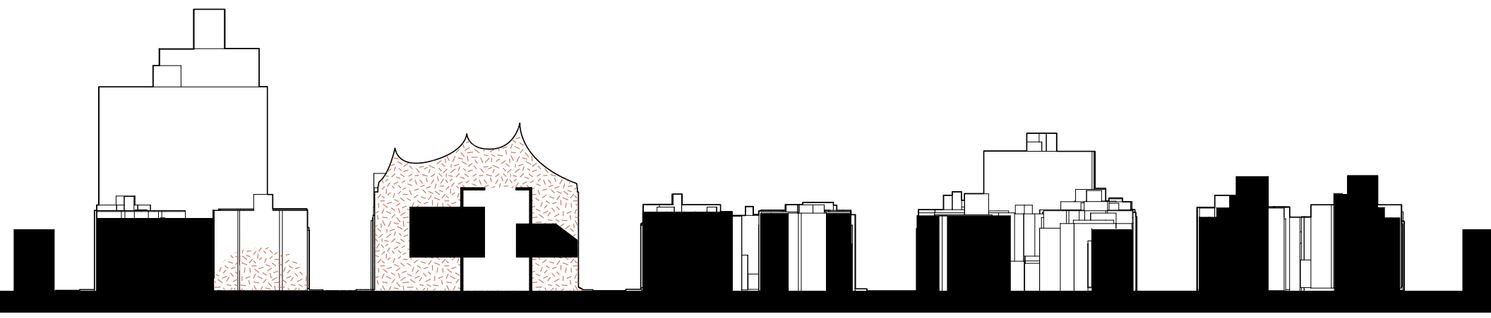
The Little Prince Primary School draws from the experience of cyclical reflexivity that occurs during childhood development. Using the existing C.B.J Snyder H-Plan building as a device to strengthen that experience. Expressing the overlapping narratives in the Little Prince, the school mobilizes this sequence of embodied learning by interlinking new and existing via thresholds at different scales. The shell of the existing building is permeated by a new insertion. The wall threshold can be crossed, penetrated enabling a backwards, forwards view of one's progress. Programmatic boxes permeate the existing shell while nesting within a circulation field; the whole is wrapped by a tensile structure protecting and defining grounds for play. Catwalks tie these thresholds together, creating inner sanctum spaces that juxtapose program, tectonics, and experiences.

Type: **Core II Studio**
Professor: **Erica Goetz**

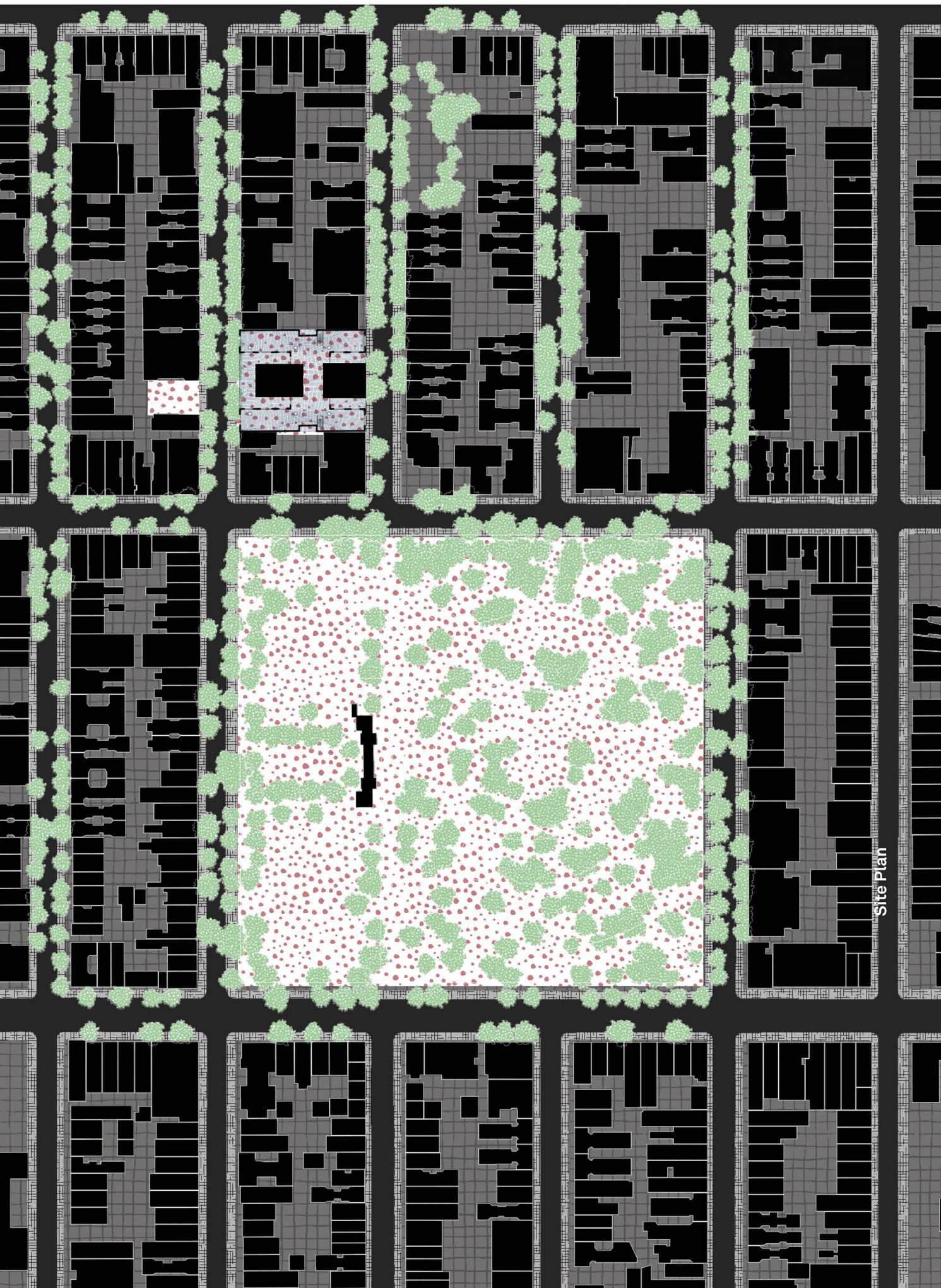
Alphabet City,
New York City



Concept Diagram

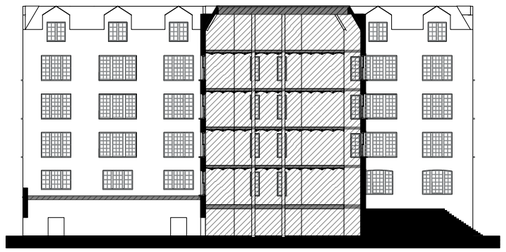


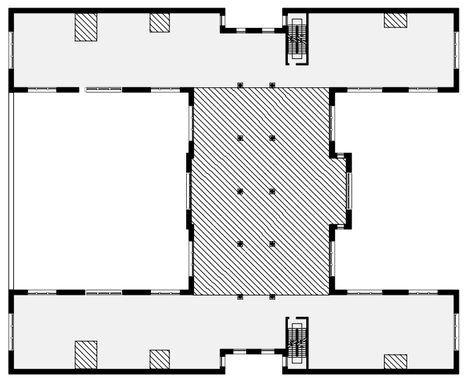
Site Section



Site Plan

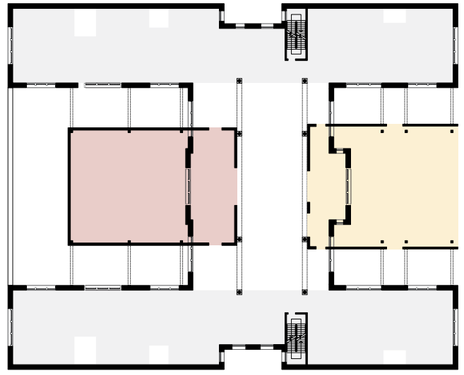
Operations of Reuse





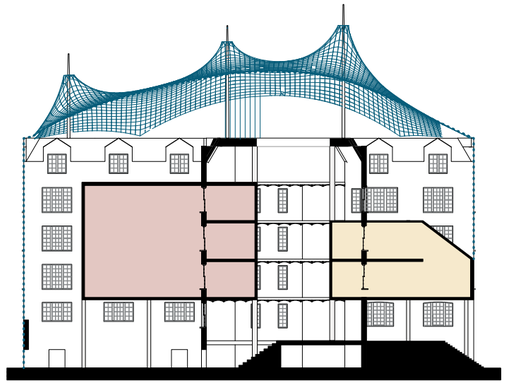
1. Existing Shell Threshold

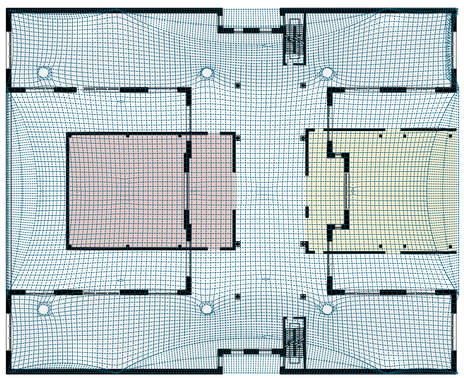
Existing Shell is maintained, facades are restored. Floors of central wing are removed. Light wells are pierced.



2. Programmatic Boxes - Creating New Thresholds

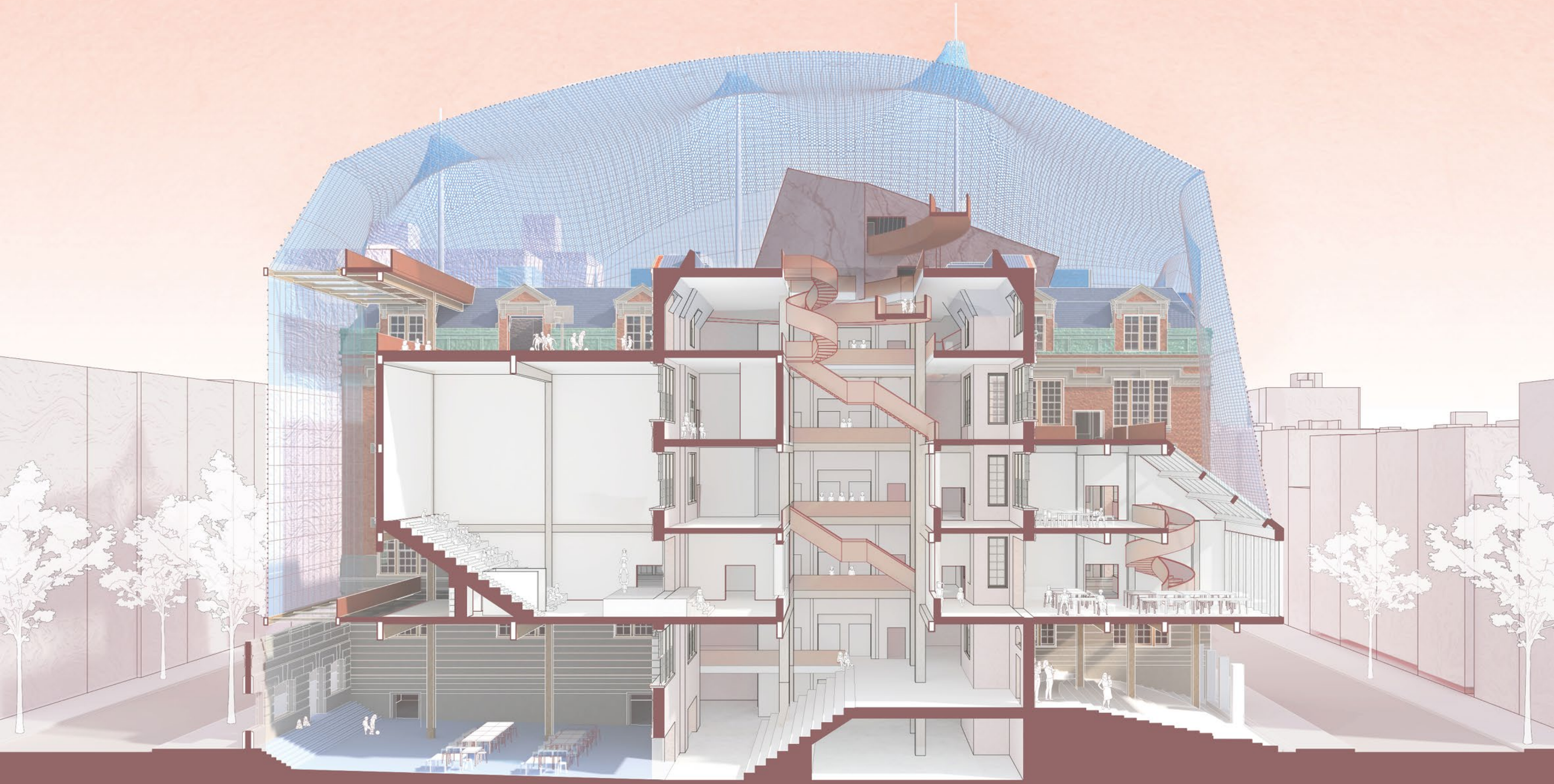
Programmatic Boxes intersecting the center wall. Circulation Reorients the courtyard space



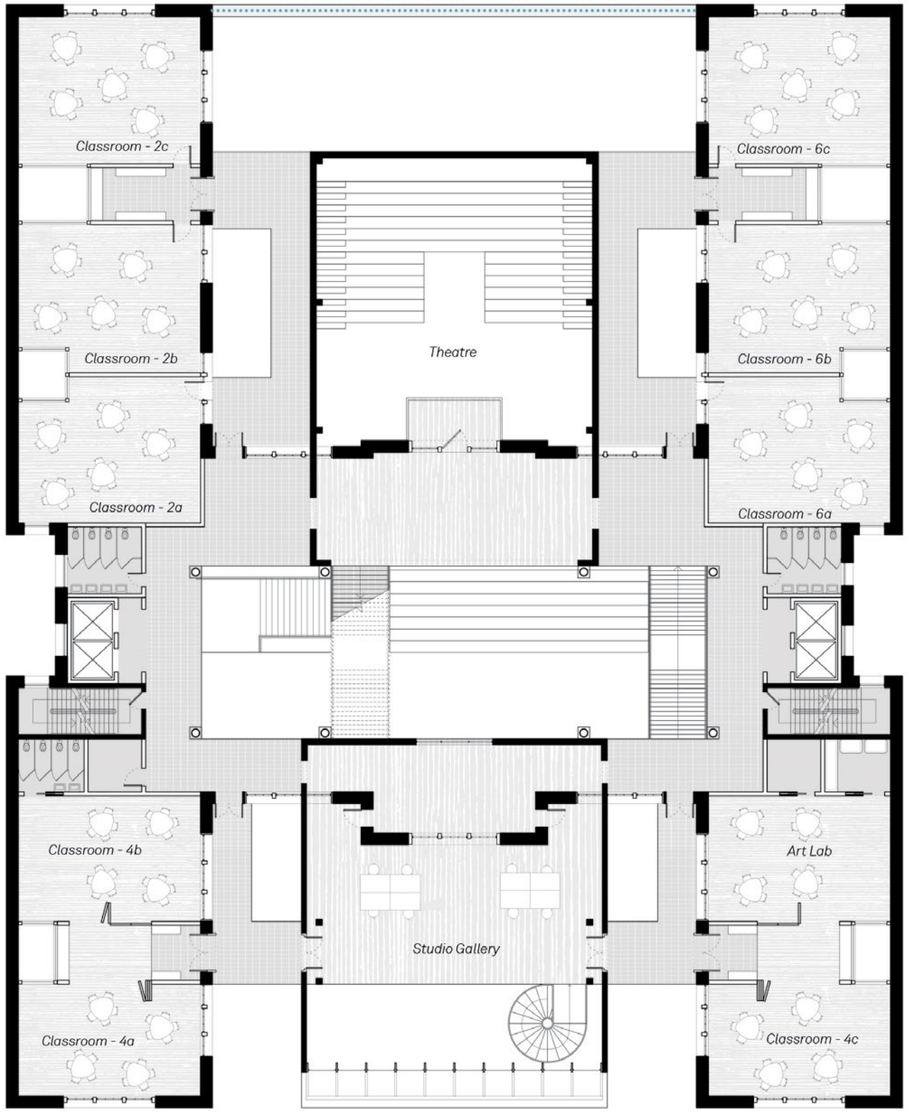


3. Tensile Structure - Threshold to the city

Tensile structure covers and protects the entire structure



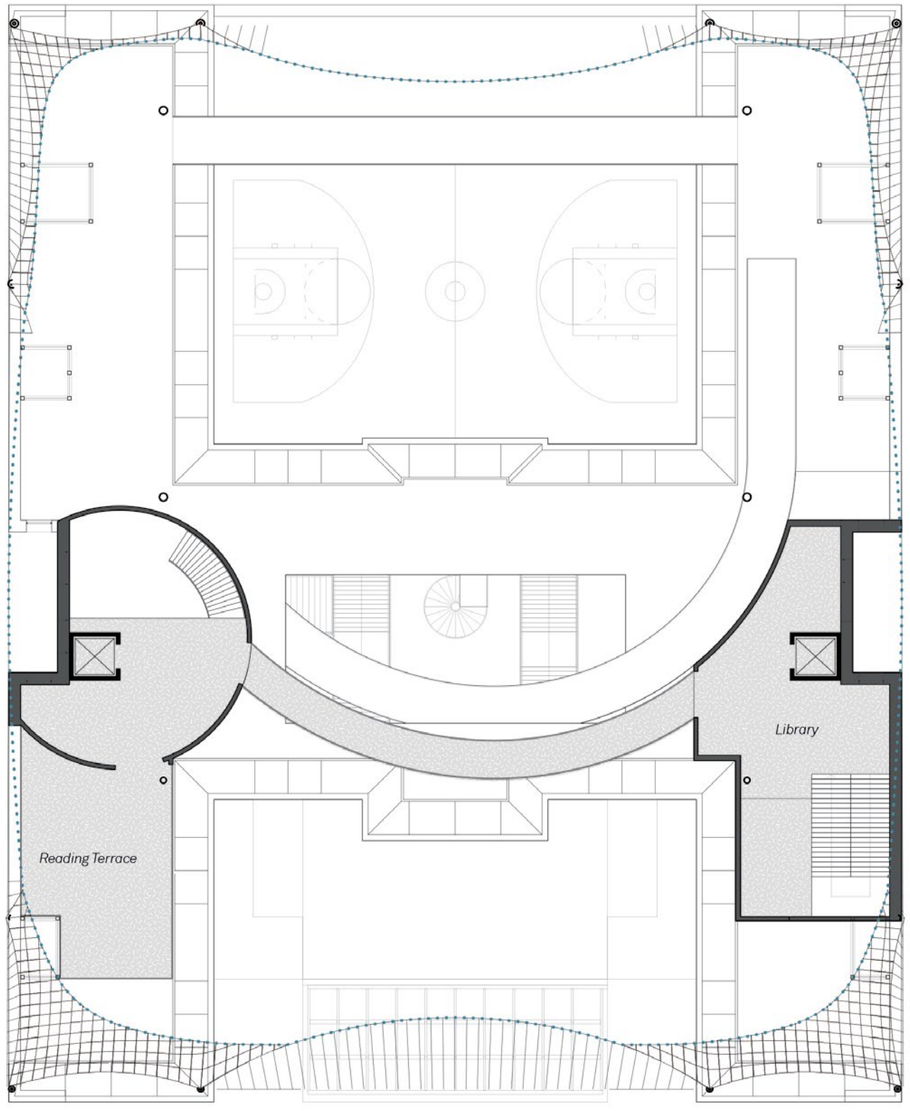
Full Building Section



Level 1 Plan

View of atrium

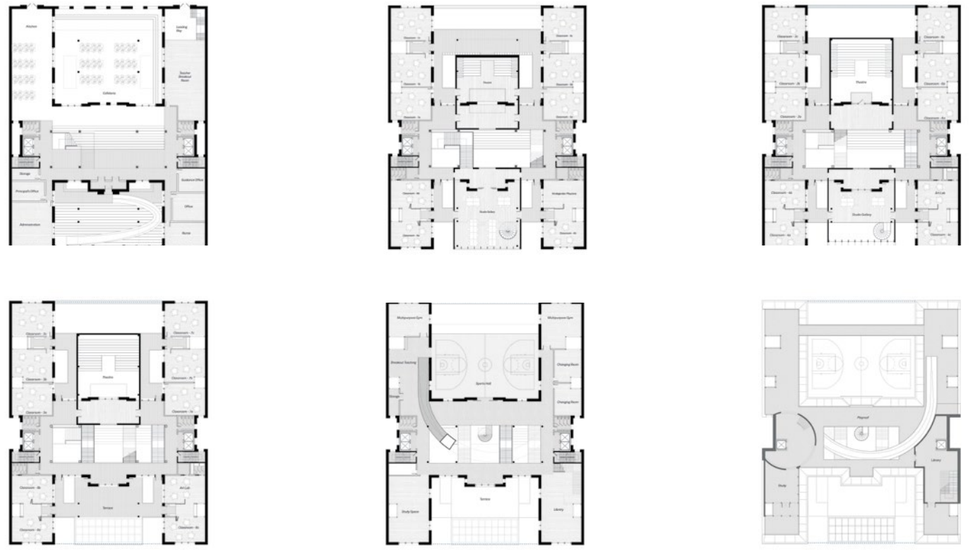
Reuse *an existing shell into a primary school*



Roof Plan

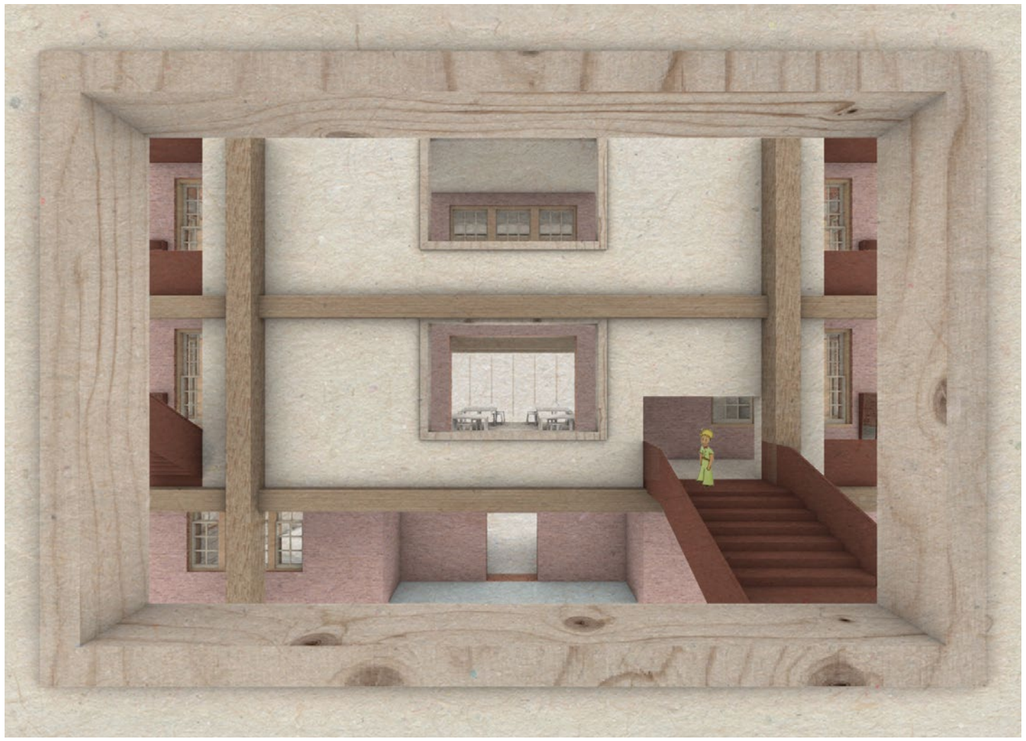
Core II *The Little Prince Primary School*

View from ramp going to roof playspace



Plans

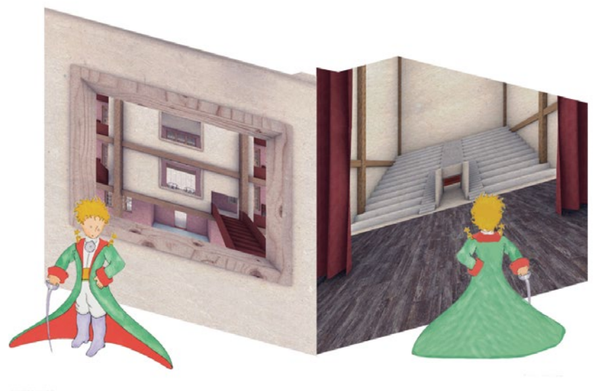
Reuse *an existing shell into a primary school*



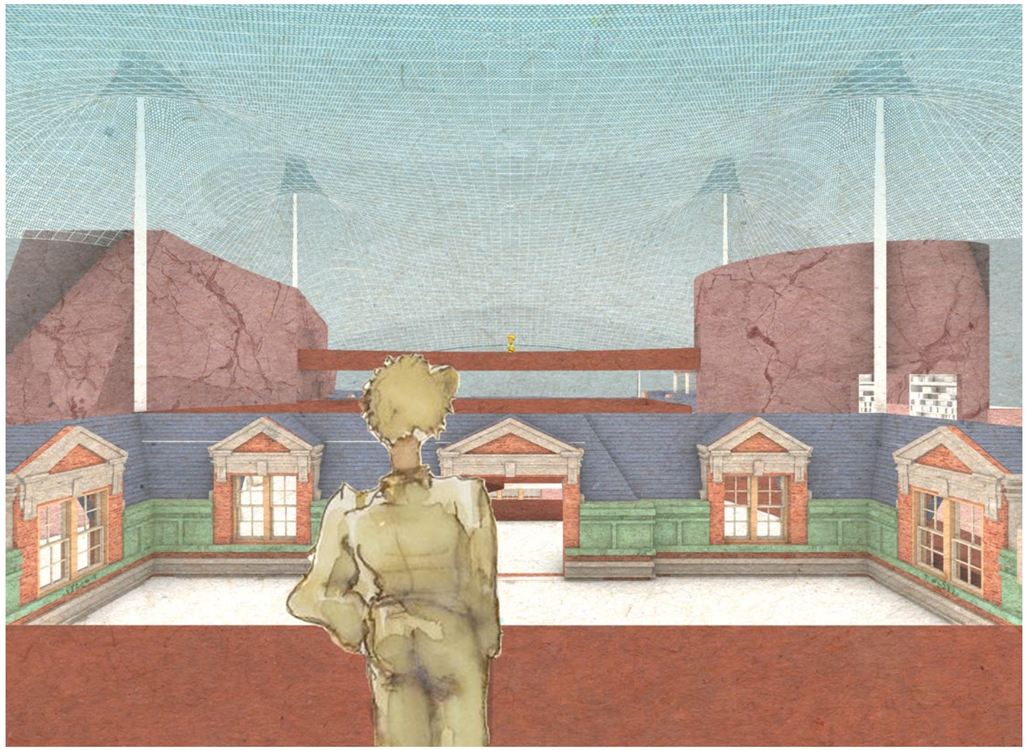
View from theatre looking at atrium

Core II *The Little Prince Primary School*

View from atrium looking at theatre

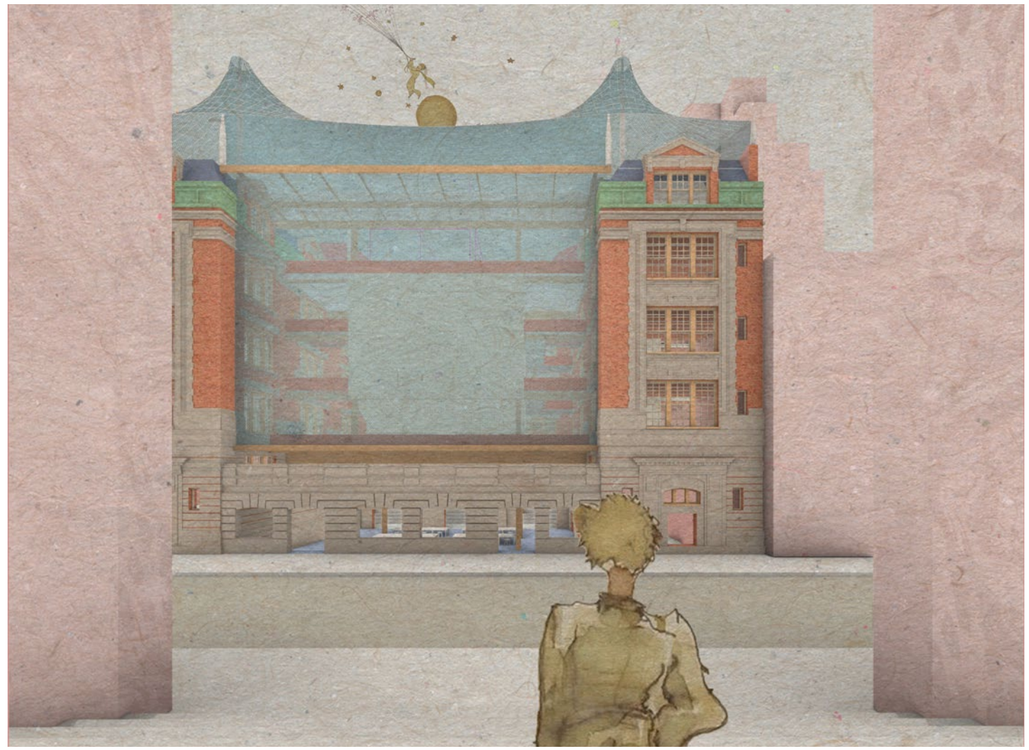


Reuse *an existing shell into a primary school*



View from Sport Hall bridge

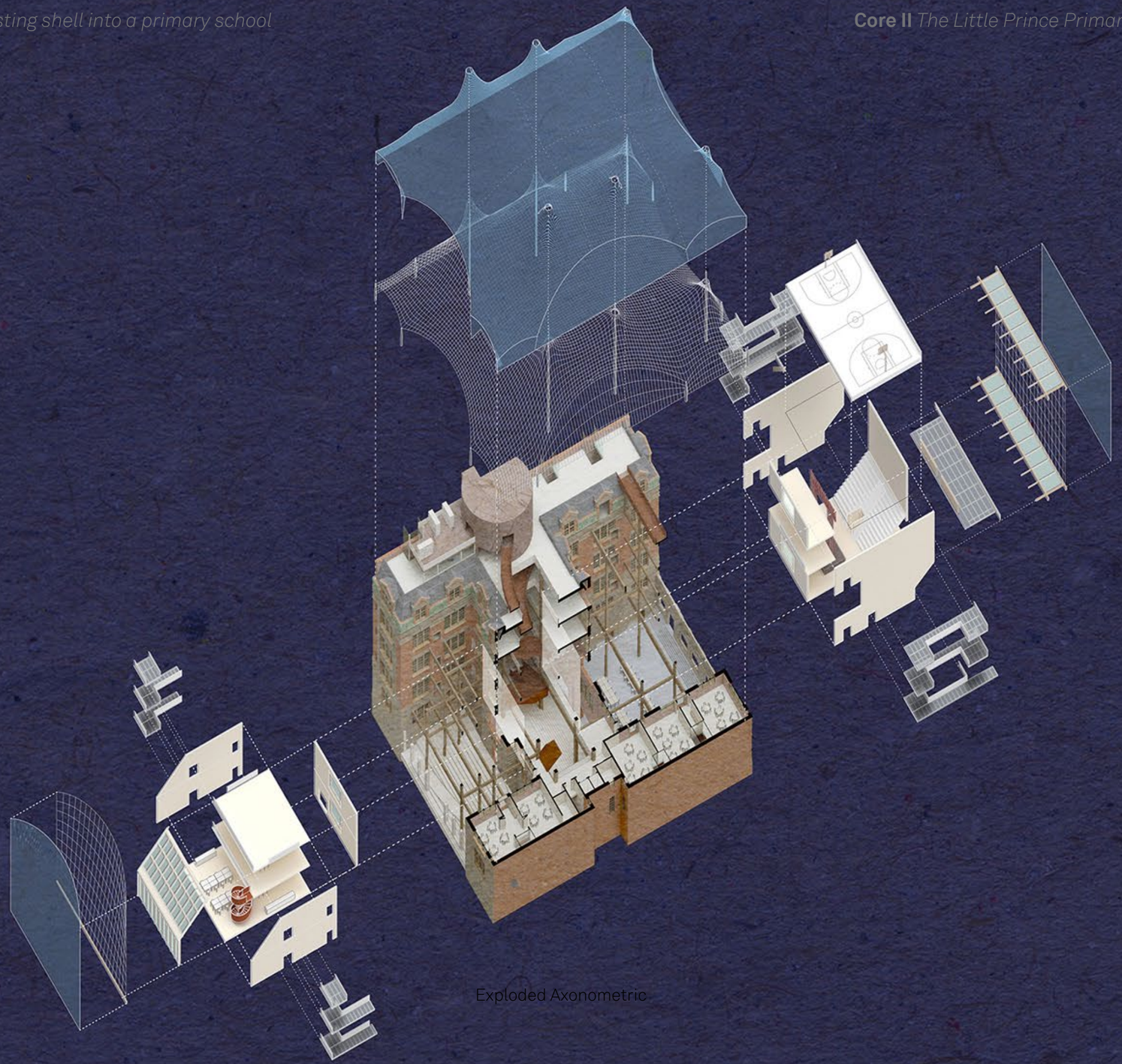
Core II *The Little Prince Primary School*



View of School from being older

Reuse *an existing shell into a primary school*

Core II *The Little Prince Primary School*



Exploded Axonometric

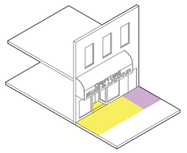
Supercore

subvert real-estate tactics with a super-core that reinvents the relationship between shared and private housing programs

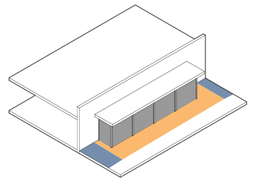
Born from an ethnographic study of Melrose's edges, the Supercore subverts traditional real-estate tactics by re-imagining the relationship between shared and private programs. The Supercore folds the city into a co-living courtyard, while multiplying edges and thresholds, acting as an armature for the economic and social resiliency of its residents.

Type:	**Core III Housing Studio**
Professor:	**Annie Barrett**
Collaborator:	**Bianca Lin**

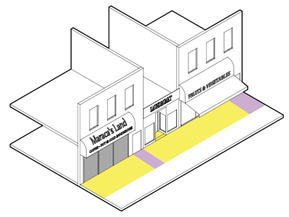
Studying Melrose Edges



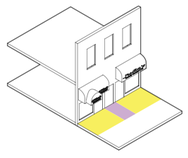
1 commercial + 1 residential



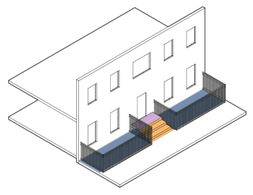
additional mass



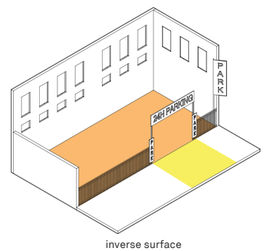
in-between



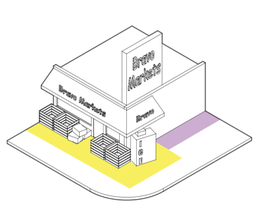
2 commercial + 1 residential



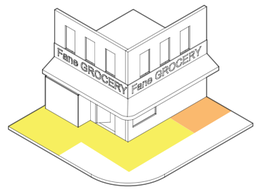
zero commercial



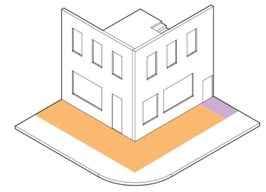
inverse surface



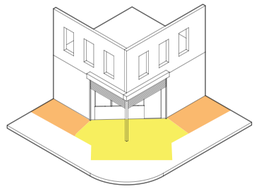
single storey commercial



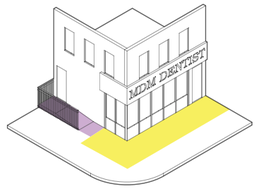
additional substructure-public



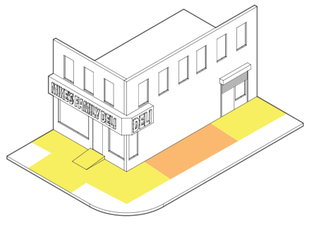
reuse original building



corner cut



additional substructure-private



double store front

image credit: "The Bronx Boys"

152 ND STREET

COURTLANDT AVE

MELROSE AVE

151 ST STREET

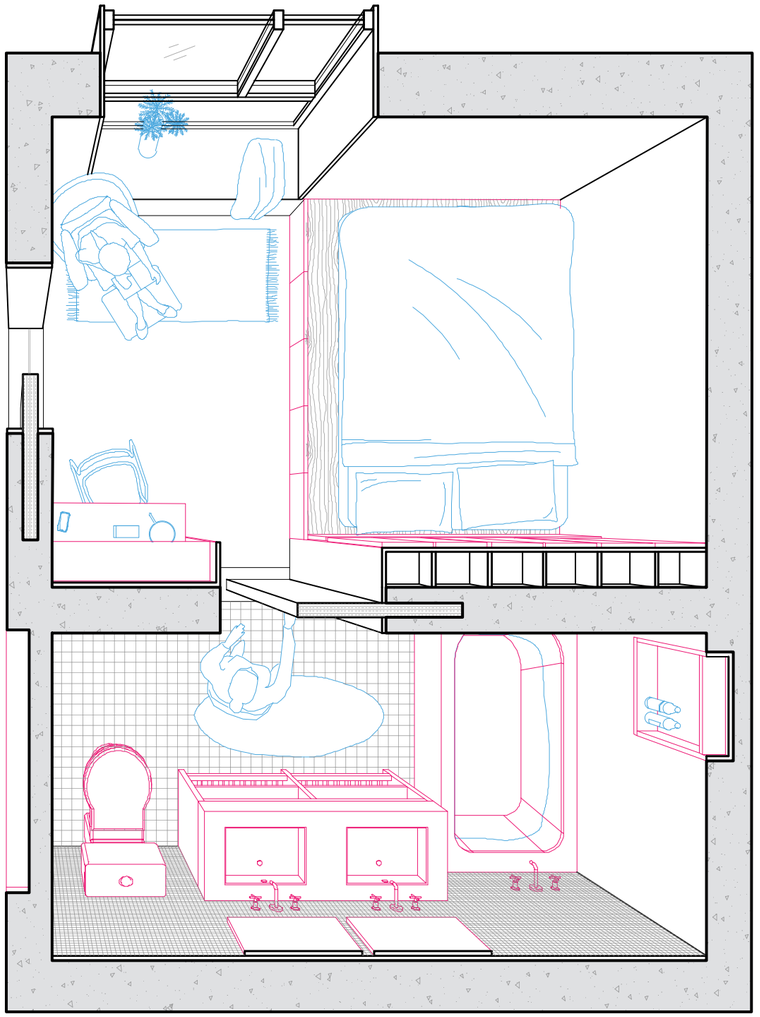
Subvert *real-estate tactics*

Supercore Back of House

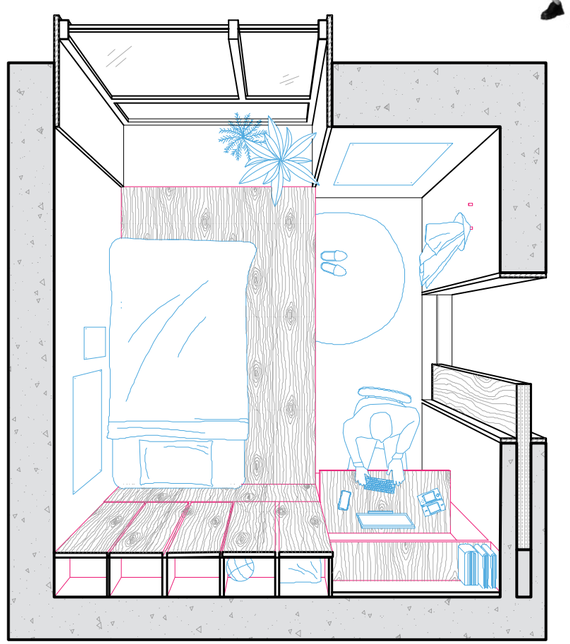
Core III *SuperCore*

Shared Living Spaces

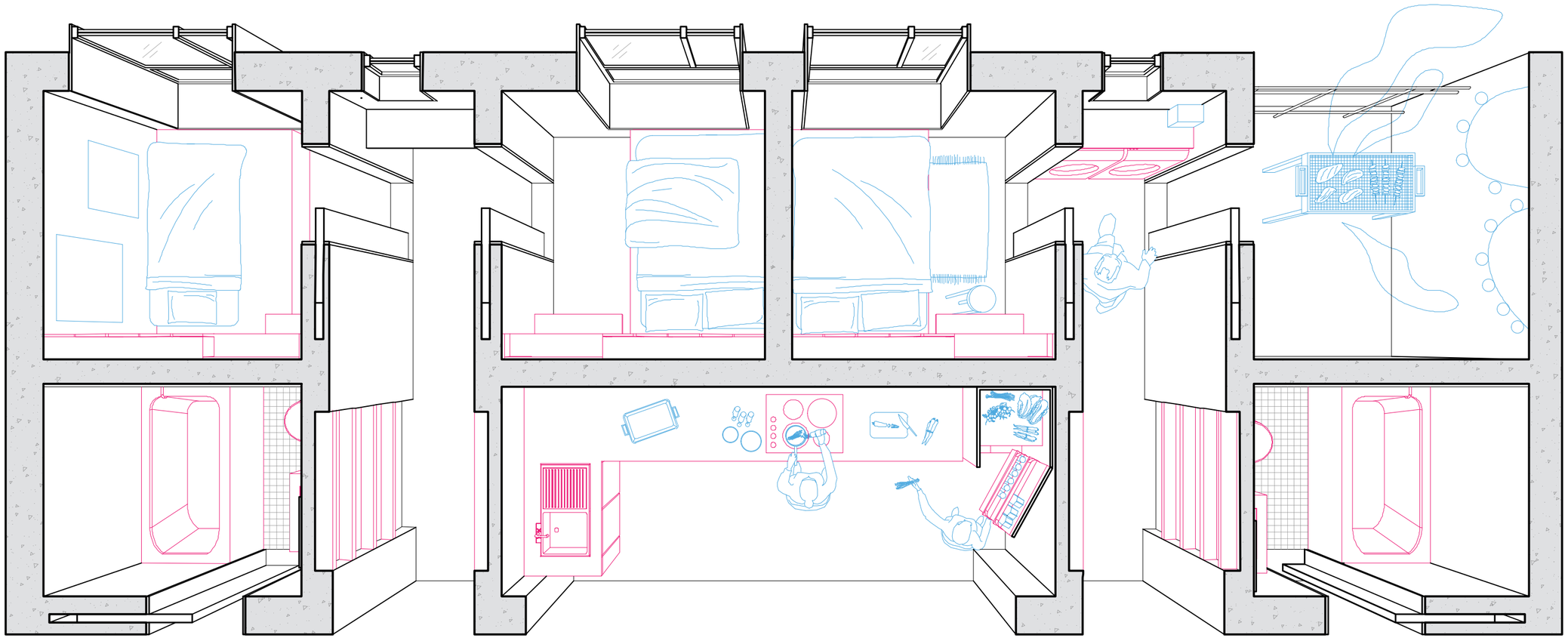
COUPLE/ EN-SUITE

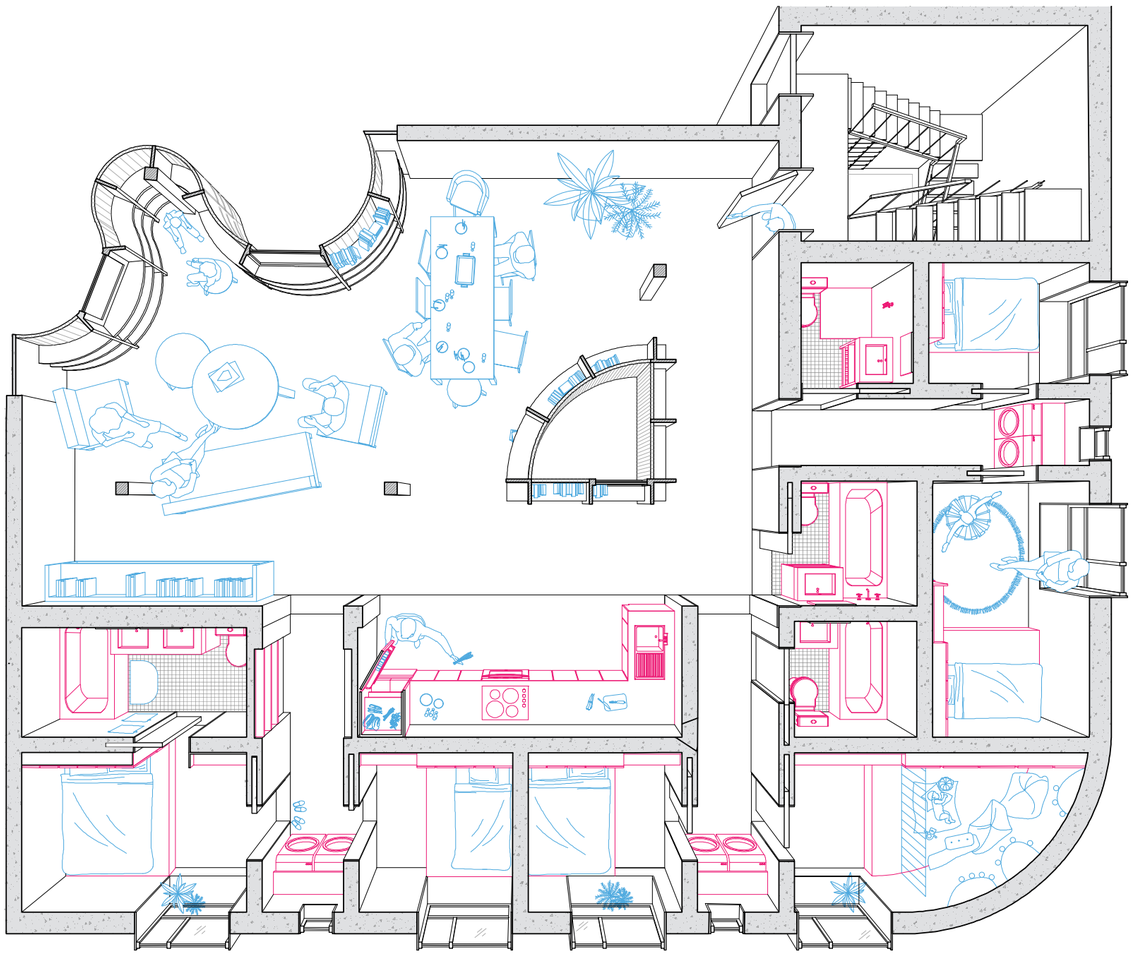


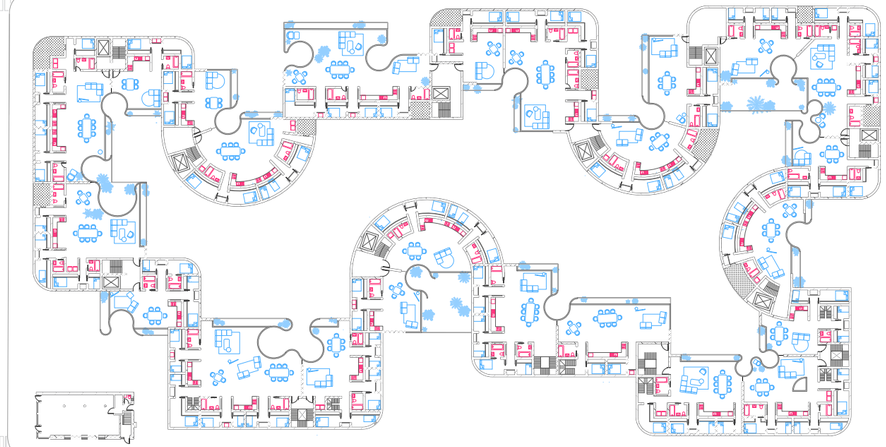
SINGLE



YOUNG FAMILY

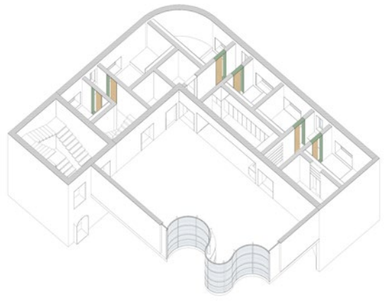


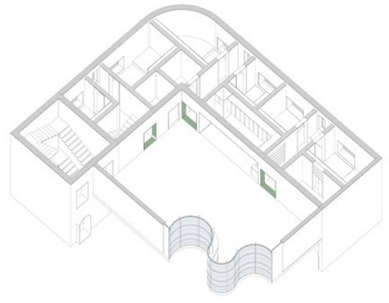




Room

Shared Hallway





2020 January
M T W T F S S
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

Inner Block

Night View

BRONX DOCUMENTARY CENTER

Afterlife

of corporate office parks

We call for an expansive process of vaccination, remediation, construction, cultivation, and rewilding--an alternative to current modes of production, including those in the nascent cannabis industry, which has largely followed existing paradigms in big pharma.

The project accomplishes this in two principal ways: first, by remediating the ruins of the former IBM campus in Kingston; second, by allowing minority populations affected by the “war on drugs” active participation in the ethical production of cannabis.

The remediation processes that accompany this provides the building blocks for the resulting landscape and earthenwork architecture. In the short run, the future cannabis commune serves as a vaccination center, building trust with marginalized communities. In the long run, the proposed model becomes a generator of justice and an ecologically productive part of the environment, inherently limited in space by the confines of past industry and temporally by natural cycles of healing and growth.

Type:	**Advanced IV Studio**
Professor:	**Phu Hoang**
Collaborators:	**Andres Alavarez Davila Zak Meghouni-Brown**

Former IBM Campus (Tech City)

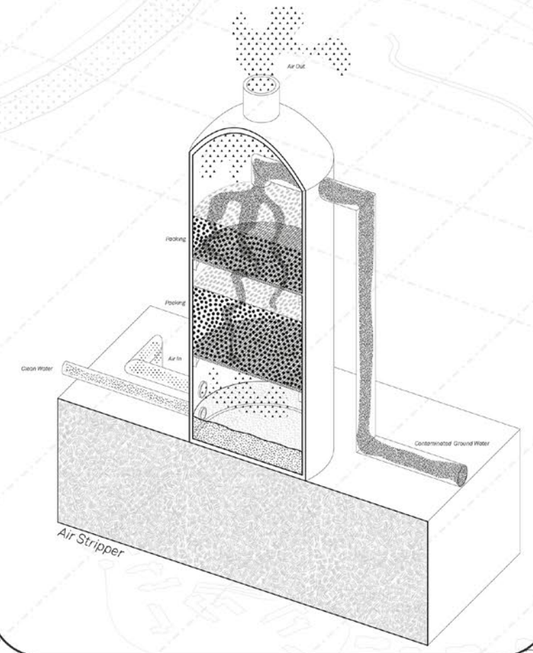
Ground Water Contamination Remediation Strategies

10 000.0 — *Soil Monitoring Well*

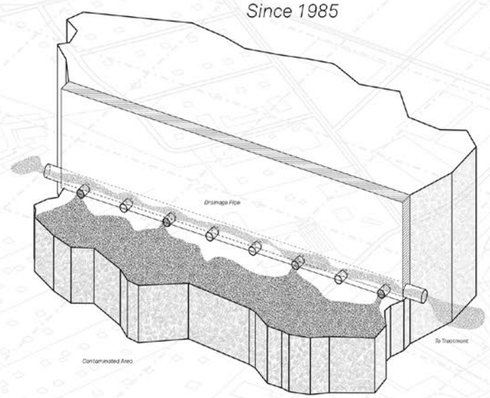
TCE - Trichloroethene Levels (ppb)

EPA maximum Contaminant Level = (5ppb)

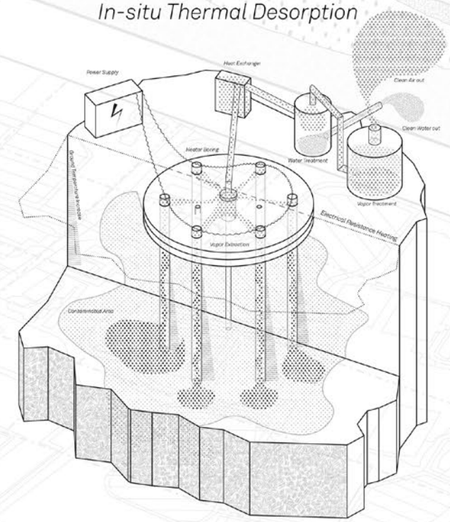
Storm Water Treatment



Ground Water Intercept Since 1985



In-situ Thermal Desorption

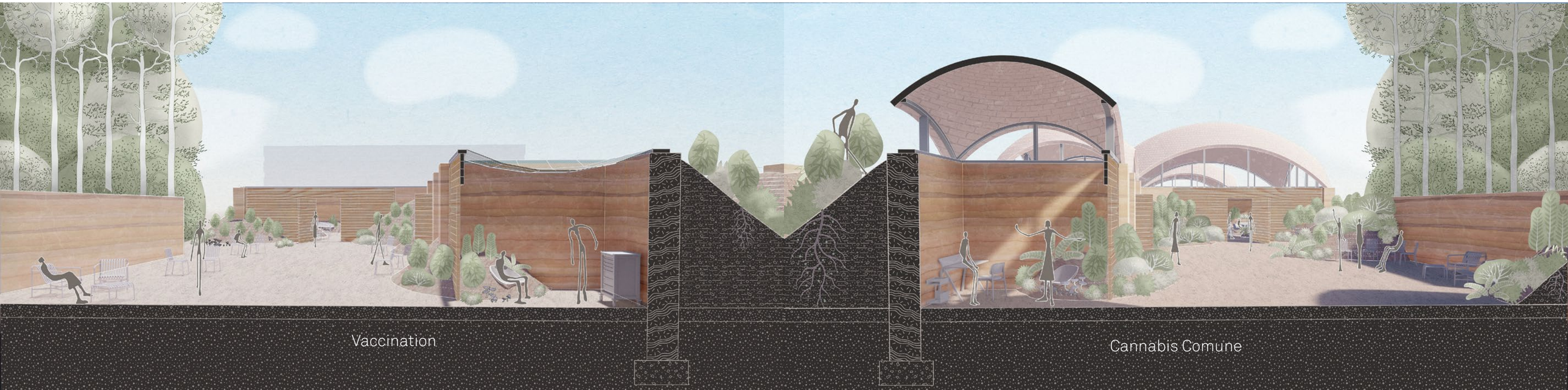


Adapt the remediation process to create ethical production of cannabis

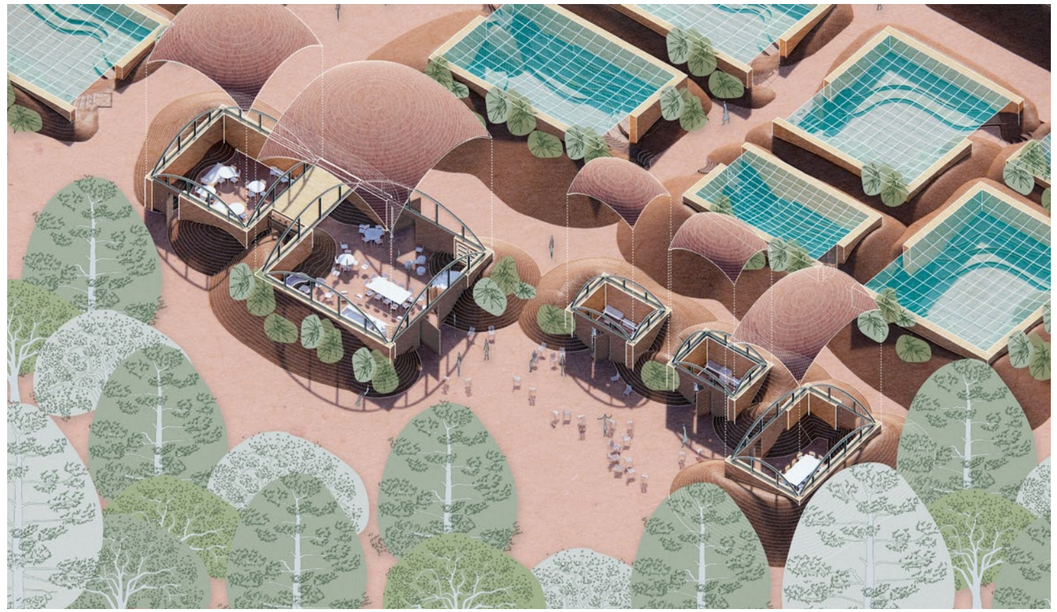
Near future

ADV iV *Afterlife of Suburban Corparte Office Parks*

Distant future



Constuction Process



Commune Hall

Refectory

a b c d e f

4

3 Soil Contamination Sampling

2

1

Soil Stabilization in Biopiles = Productive Landscape

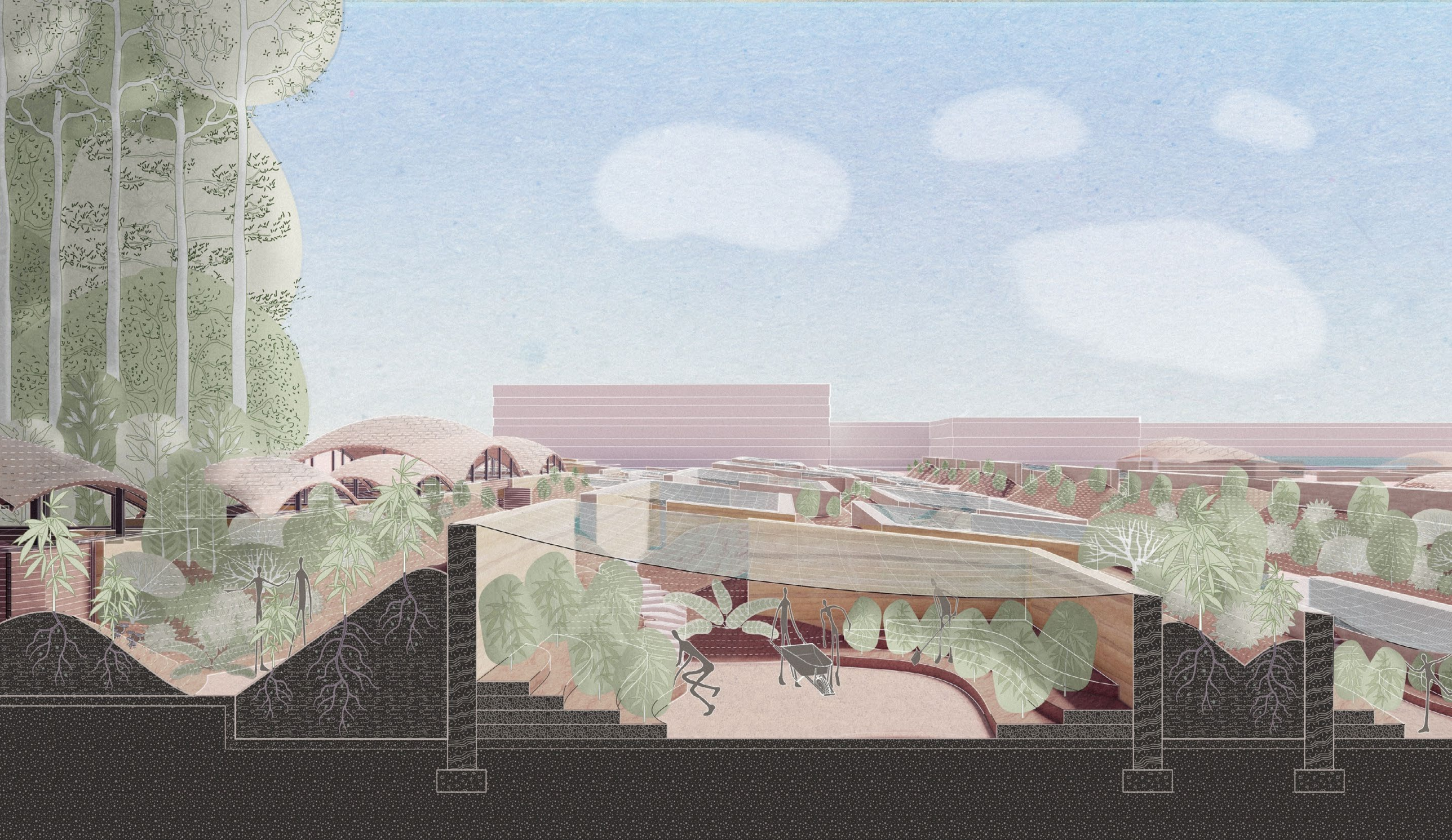
Phytostimulation

Phytodegradation

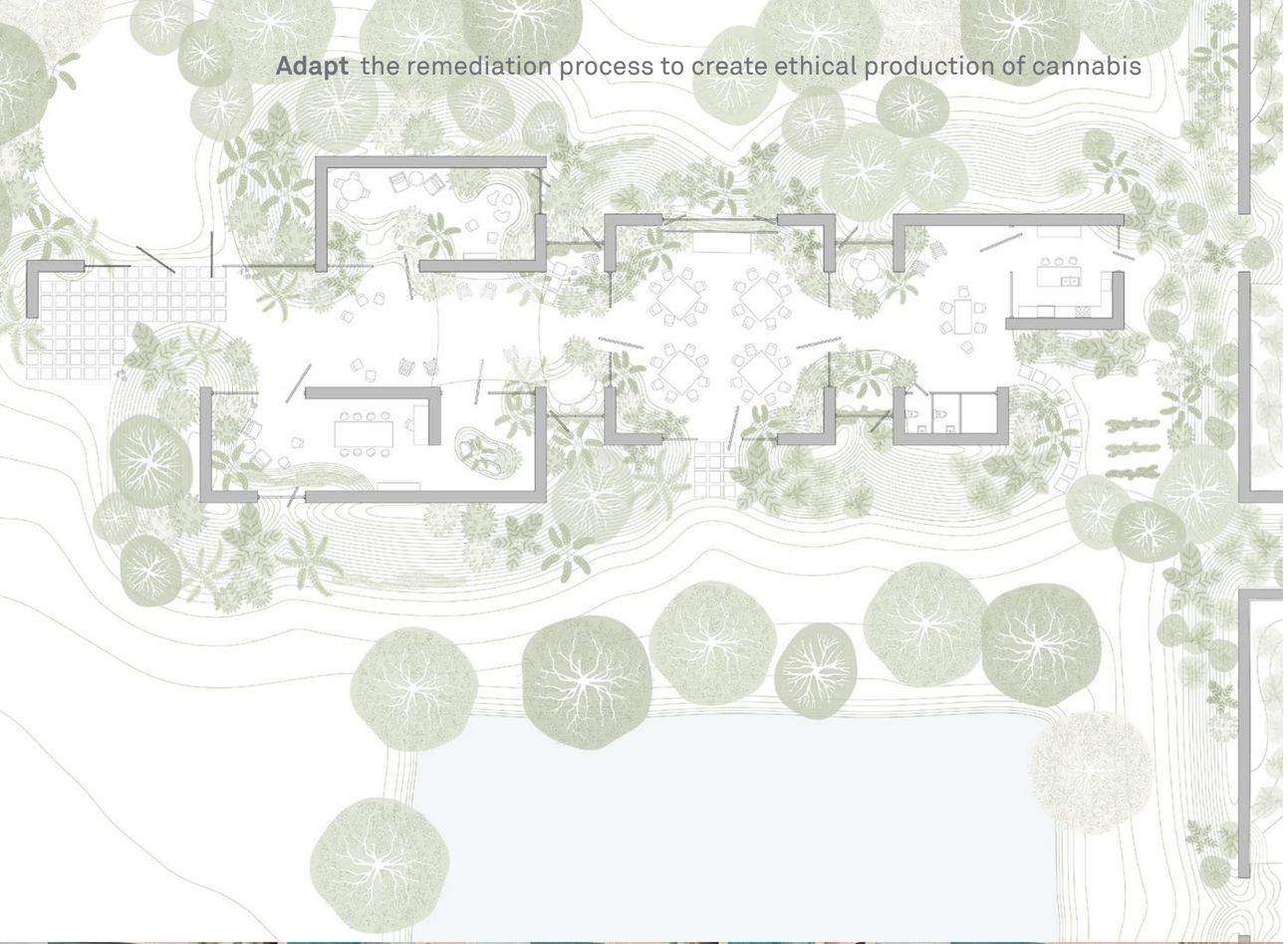
Phytostabilization

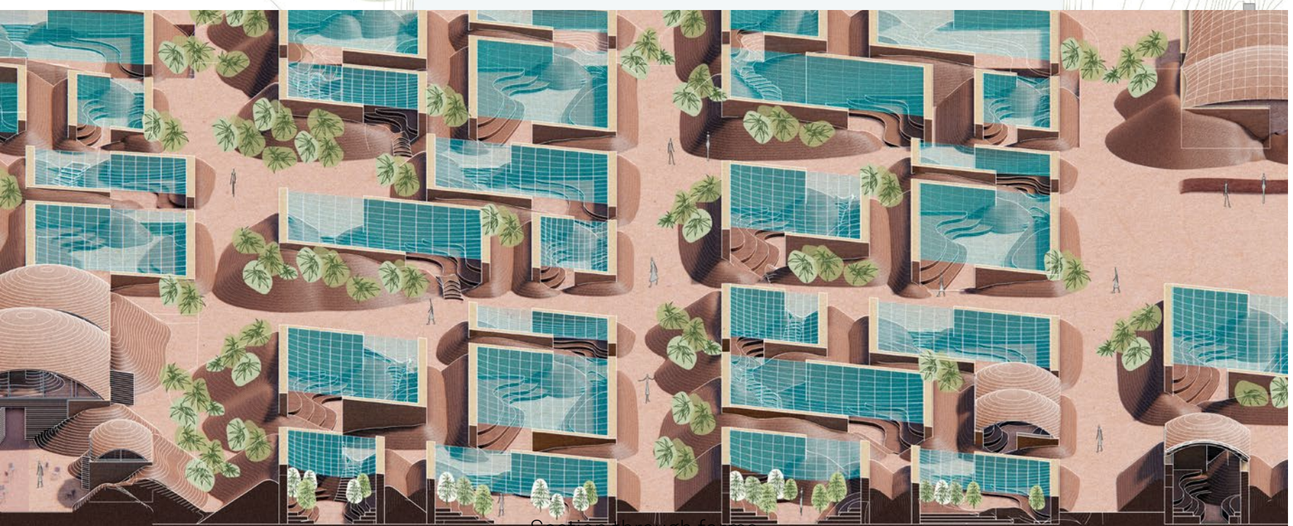
Phytoextraction

Parking Lot Remediation



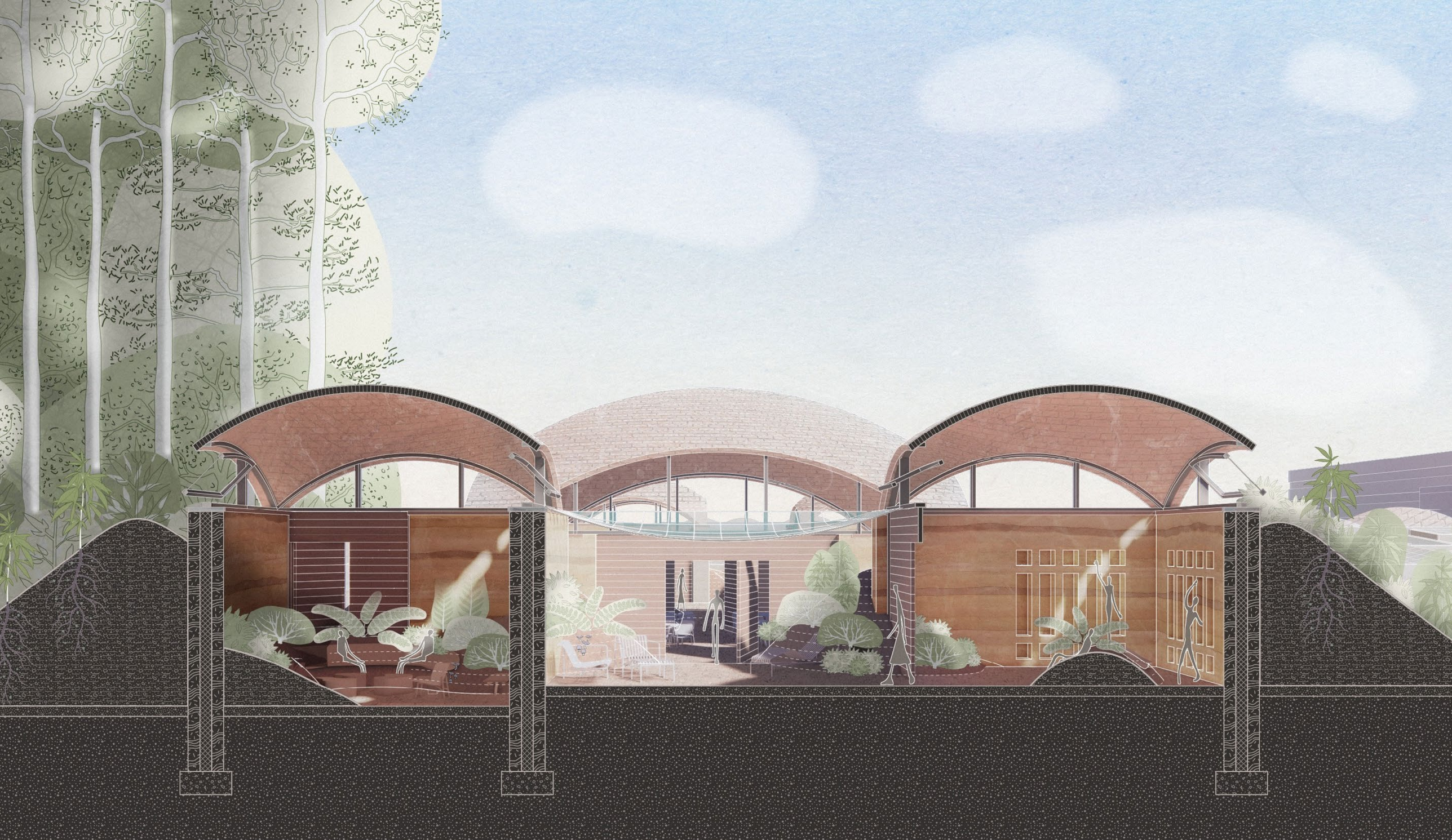
Adapt the remediation process to create ethical production of cannabis





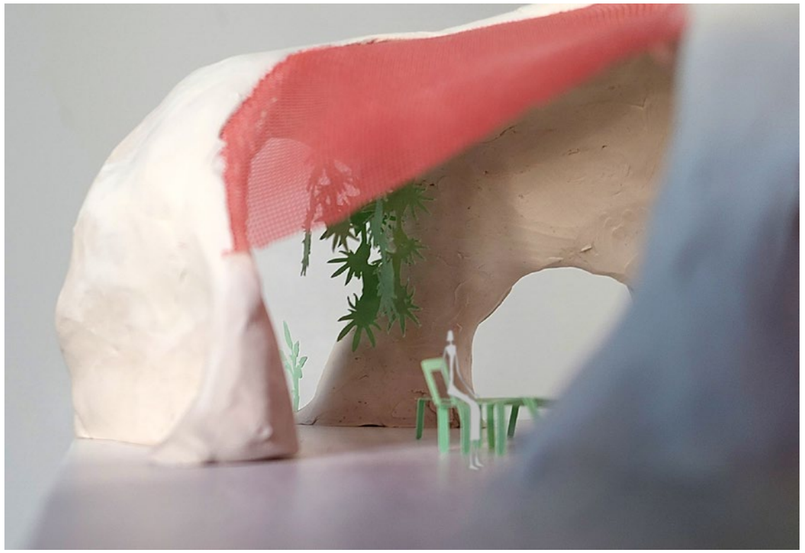
Section through farms

ADV iV *Afterlife of Suburban Corparte Office Parks*



Adapt the remediation process to create ethical production of cannabis

ADV iV *Afterlife of Suburban Corparte Office Parks*



Disobedient Objects

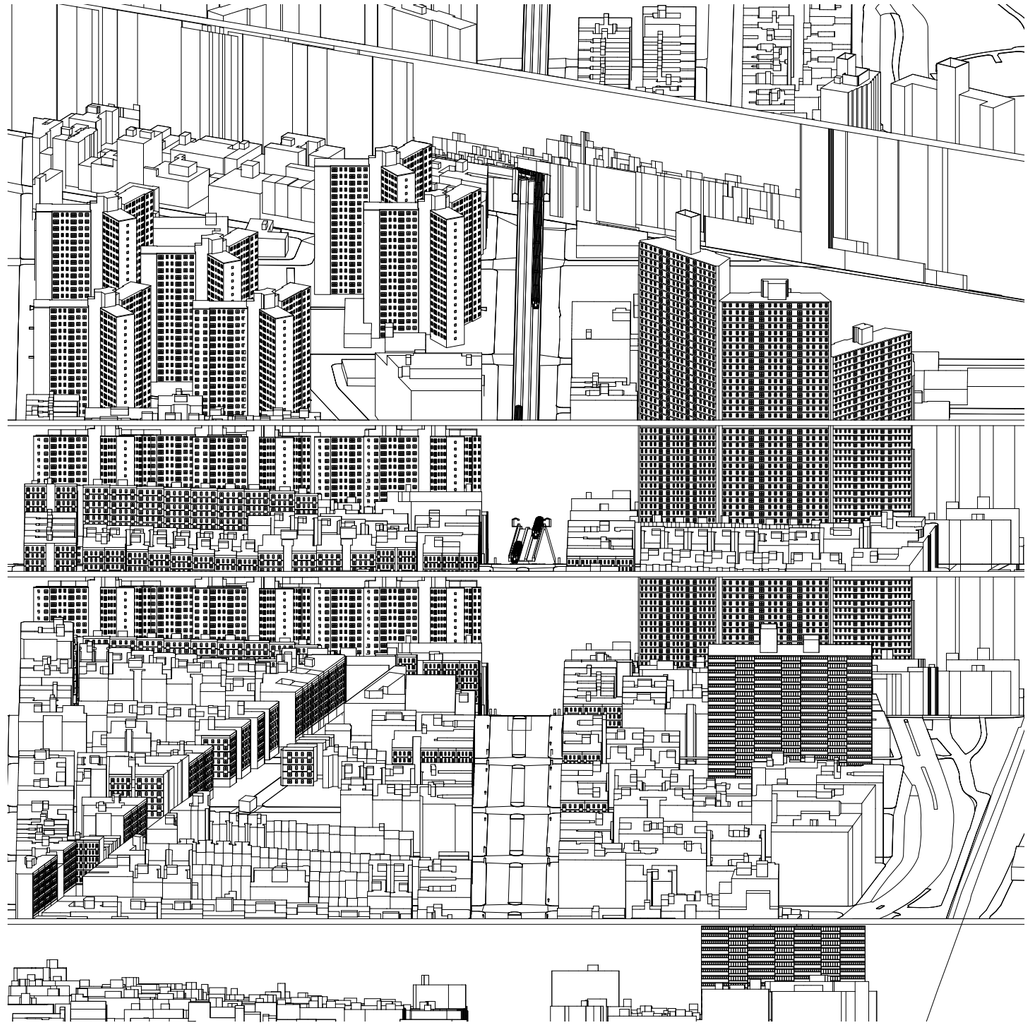
resisting gentrification in west harlem by grafting a recyling leisure center to the 125th street viaduct

125th Street Viaduct
Harlem, Manhattan

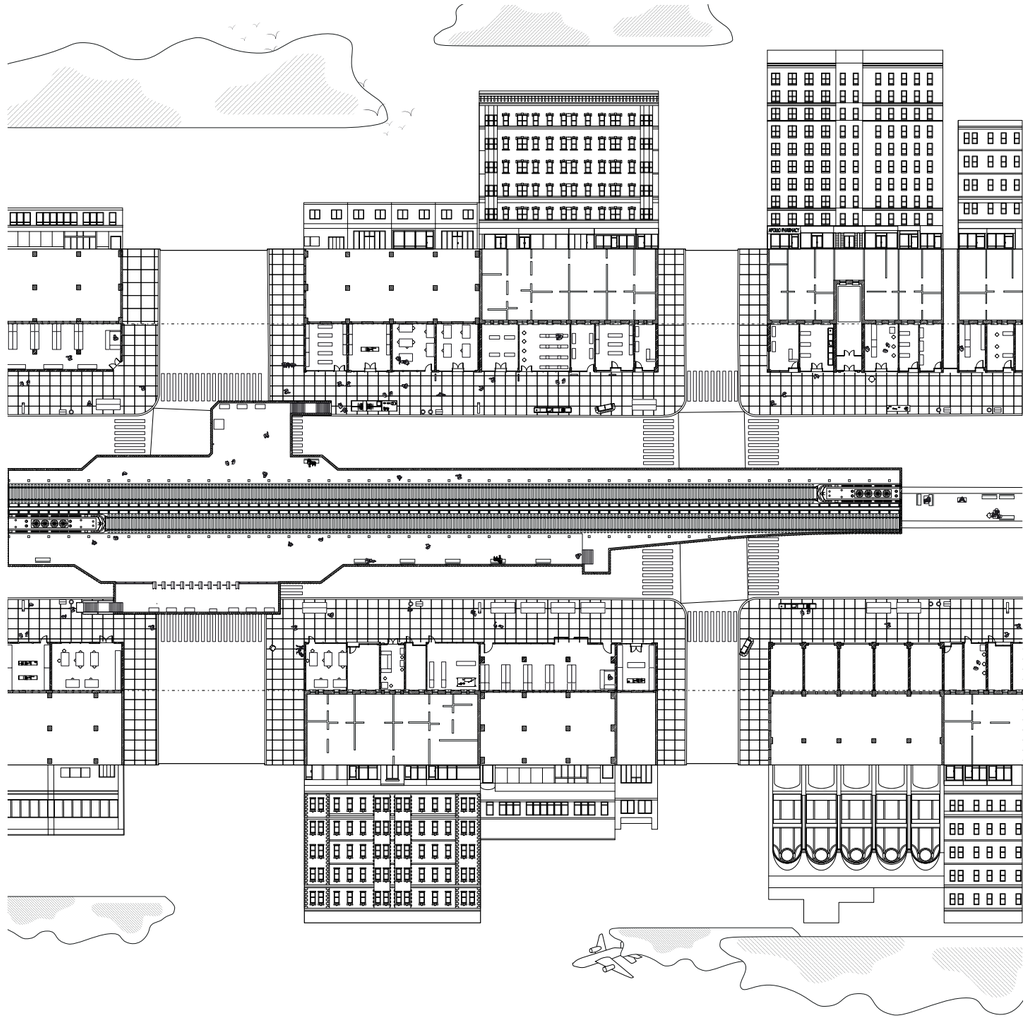
Taking inspiration from the strong culture of public life in Manhattanville, this scheme is a leisure and recycling center under the 125th subway viaduct. The project is interested in subverting the western idea of loitering and examining what happens when objects - littered on the street are repurposed for leisure - becoming disobedient. Historically, social movements show a compelling relationship between repurposed objects, protests and leisure. The intervention is parasitic to the viaduct structure turning spaces into disobedient objects themselves. Programmatic objects are linked by catwalks turning leisure and recycling into a theatrical event. That voyeurism of seeing people engage in activities in a public setting is heightened by the tectonics of a transparent fabric draped over and around the objects. Overall, the project treats loitering, public life and leisure on the street as heritage of the area to be preserved and instrumentalized to strengthen community identity and defy gentrification.

Type: **Core I Studio**
Professor: **Alessandro Orsini**

Black and White Site Spatial Thresholds Investigations



Capturing changing thresholds of the site

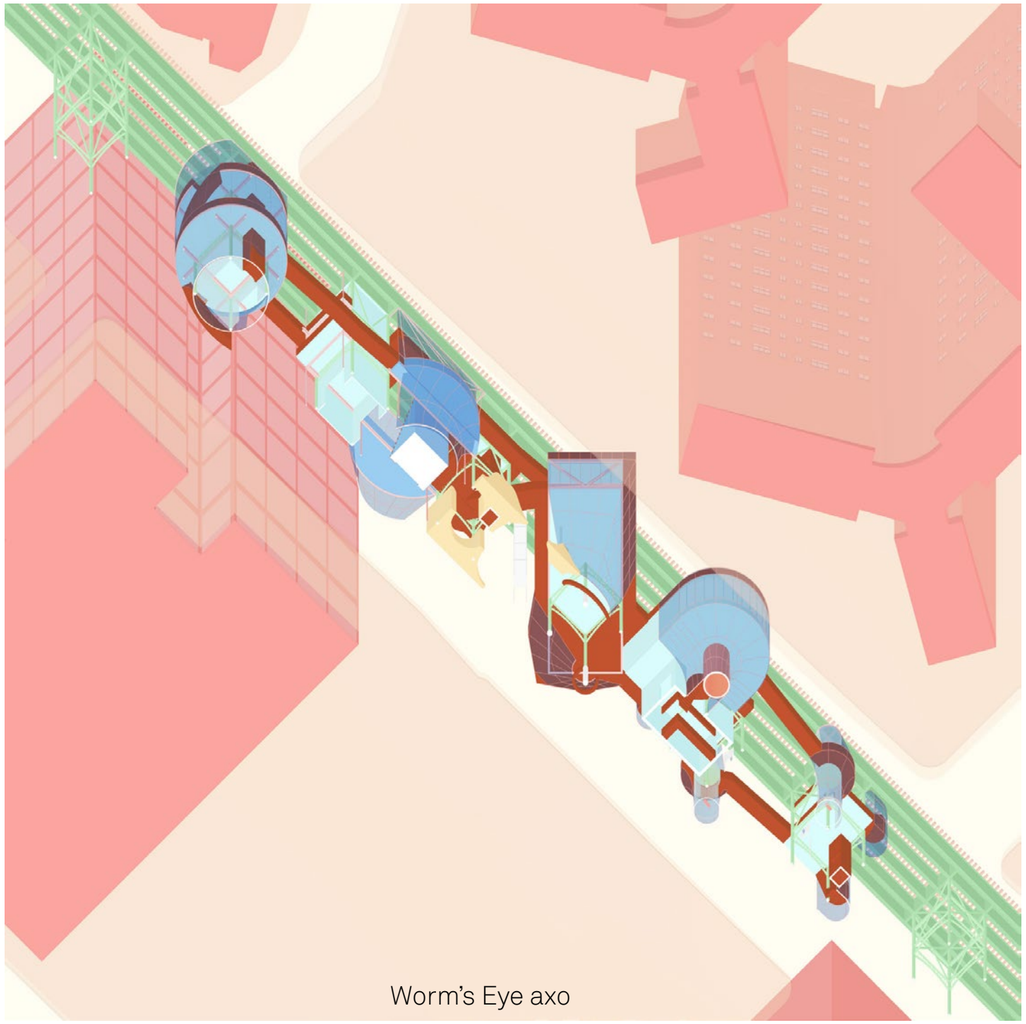


Unravelling of Thresholds of Public Space in West Harlem

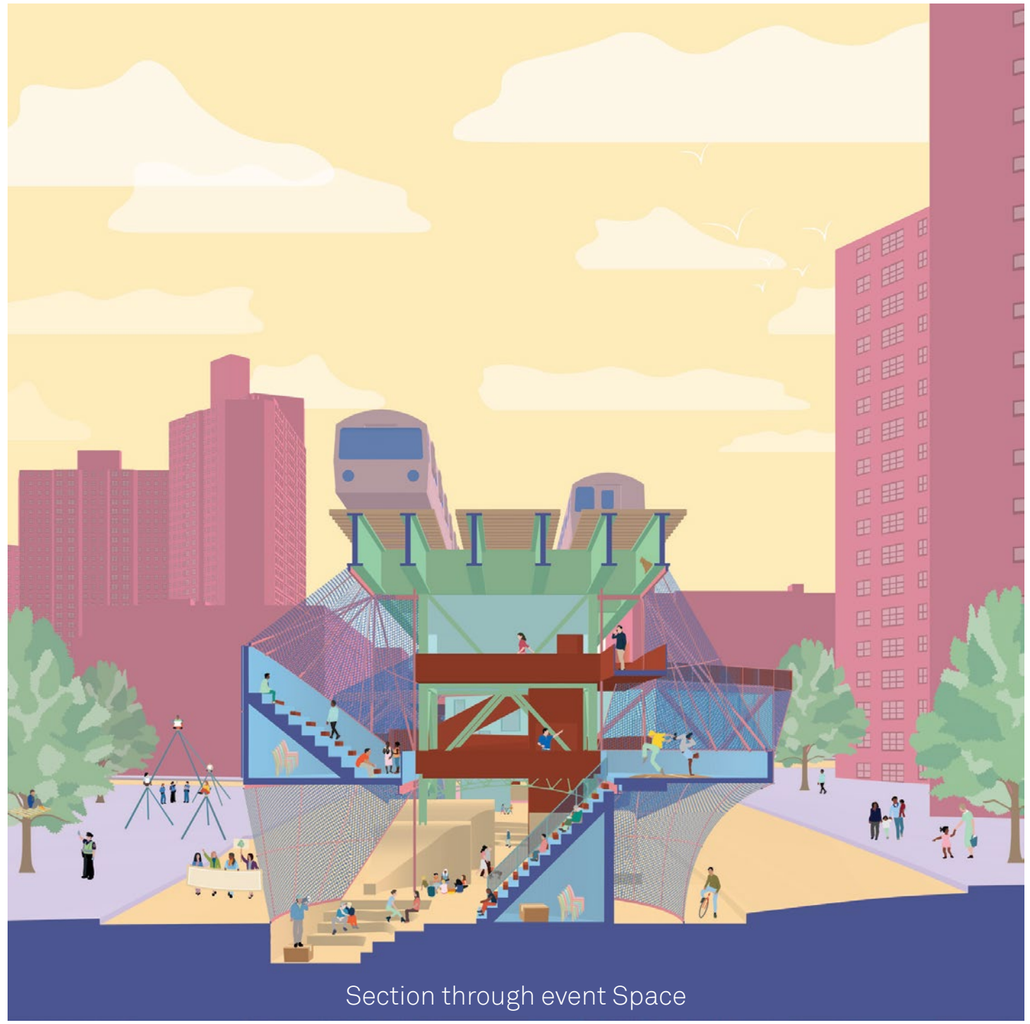
Resist *gentrification in East Harlem*

Core I *Disobedient Objects: Recycling-Leisure Center*

Site Section



Worm's Eye axo



Section through event Space

Sports

Living Room

Gallery

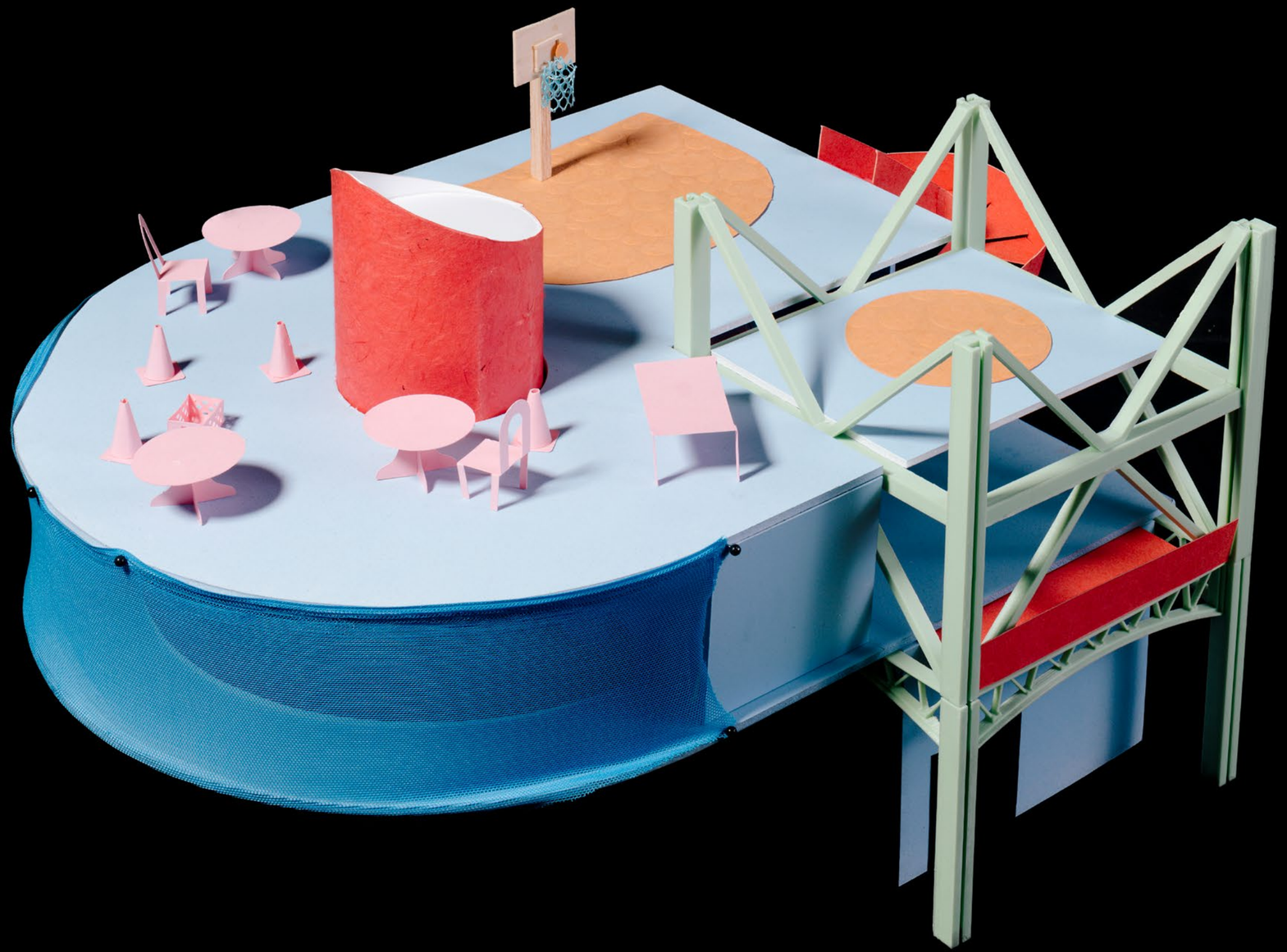
Theatre

Storage Silo

Disobedient Objects Axonometric Plan

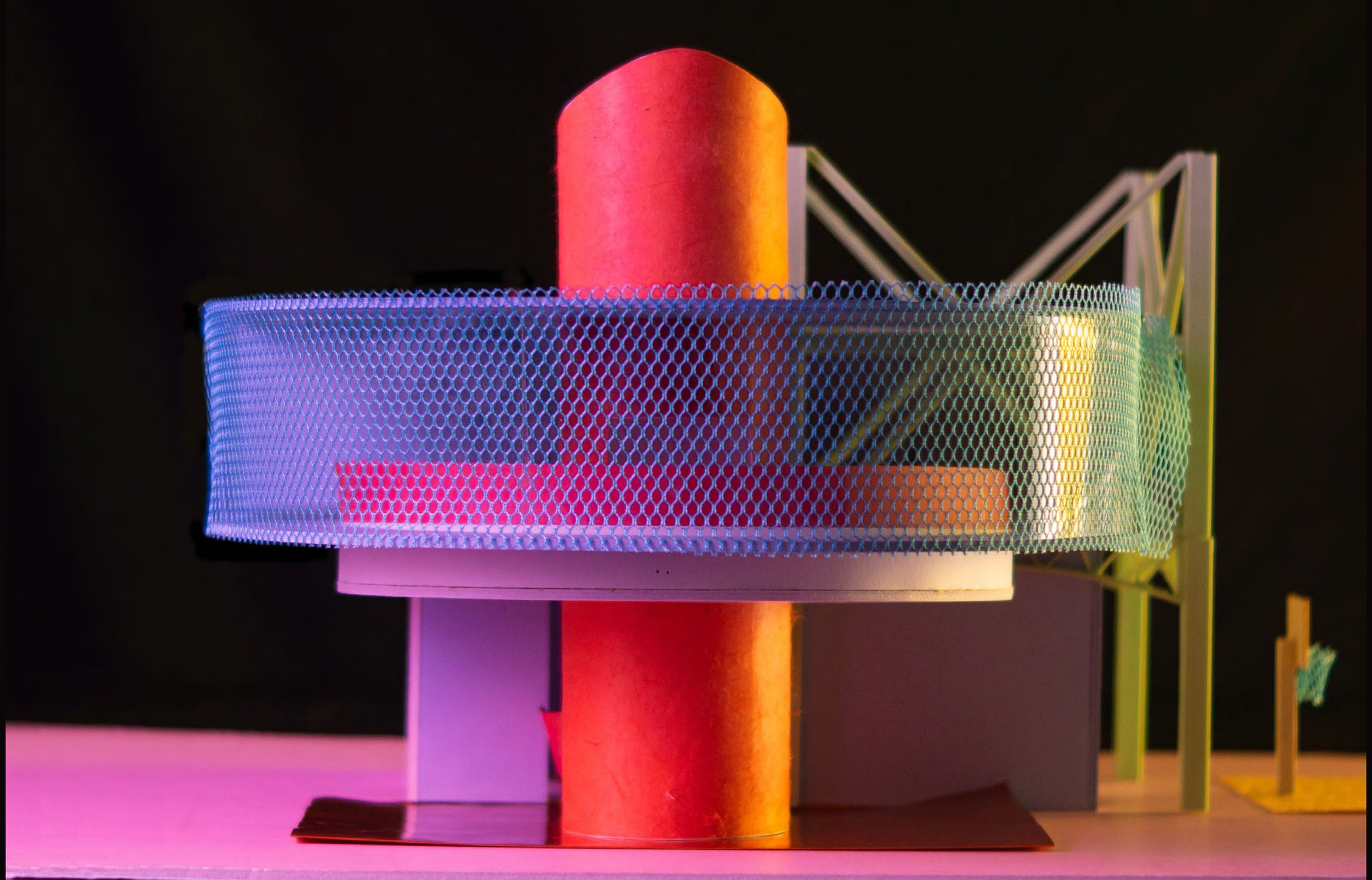
Model Photos: Leisure Center

Model Photos: Recycling Objects



Detail of trampoline catwalk

1 to 1 Mock up of trampoline catwalk



Urban Fabric

de-densifying the Garnment district introducing housing for circular economy

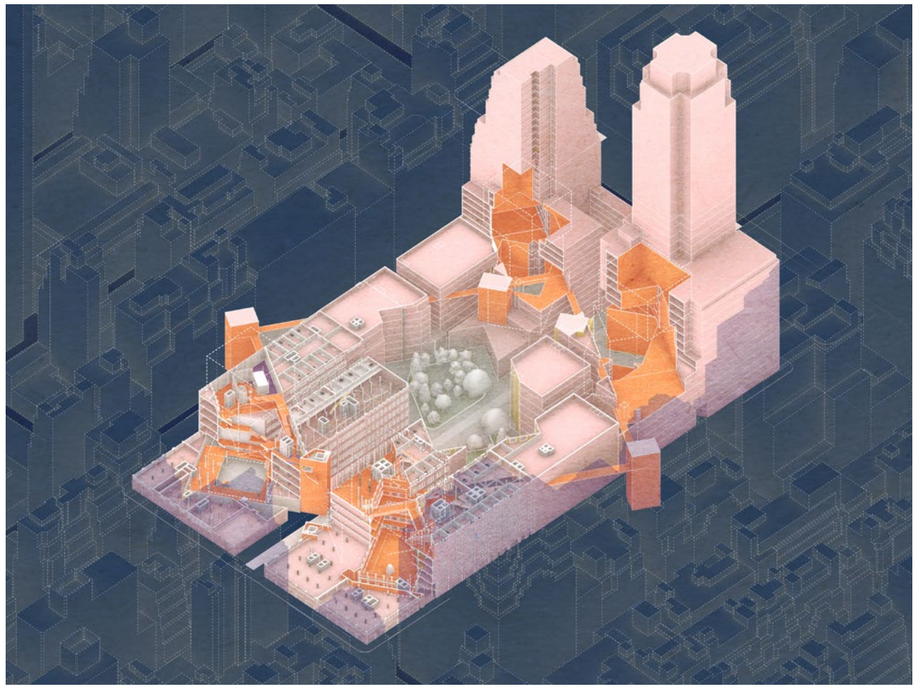
The Urban Fabric District uses the Garment District as a prototype to return life to homogenized Manhattan neighborhoods. The project operates on two levels: an architectural operation to increase light and air to levels necessary for housing, and a programmatic reorganization of the block to integrate previously separated user groups through a circular economy of material reuse.

Midtown has historically shifted from a mixed-use district. While today Midtown Manhattan is dominated by office space, it was once a thriving mixed-use neighborhood. The garment industry cuts across many types of labor and social groups, ranging from garment manufacturers, designers, hobbyists, and wholesalers. The NYC garment industry has struggled with increased rents.

The project unites two typical Midtown blocks into a superblock for the garment industry. Types of labor and work are blurred together, as workshops, tools, social spaces, and circulation are shared.

Type:	**Advance VI Studio**
Professor:	**Anna Puigjaner**
Collaborator:	**Livia Calari**

Garment District, New York City



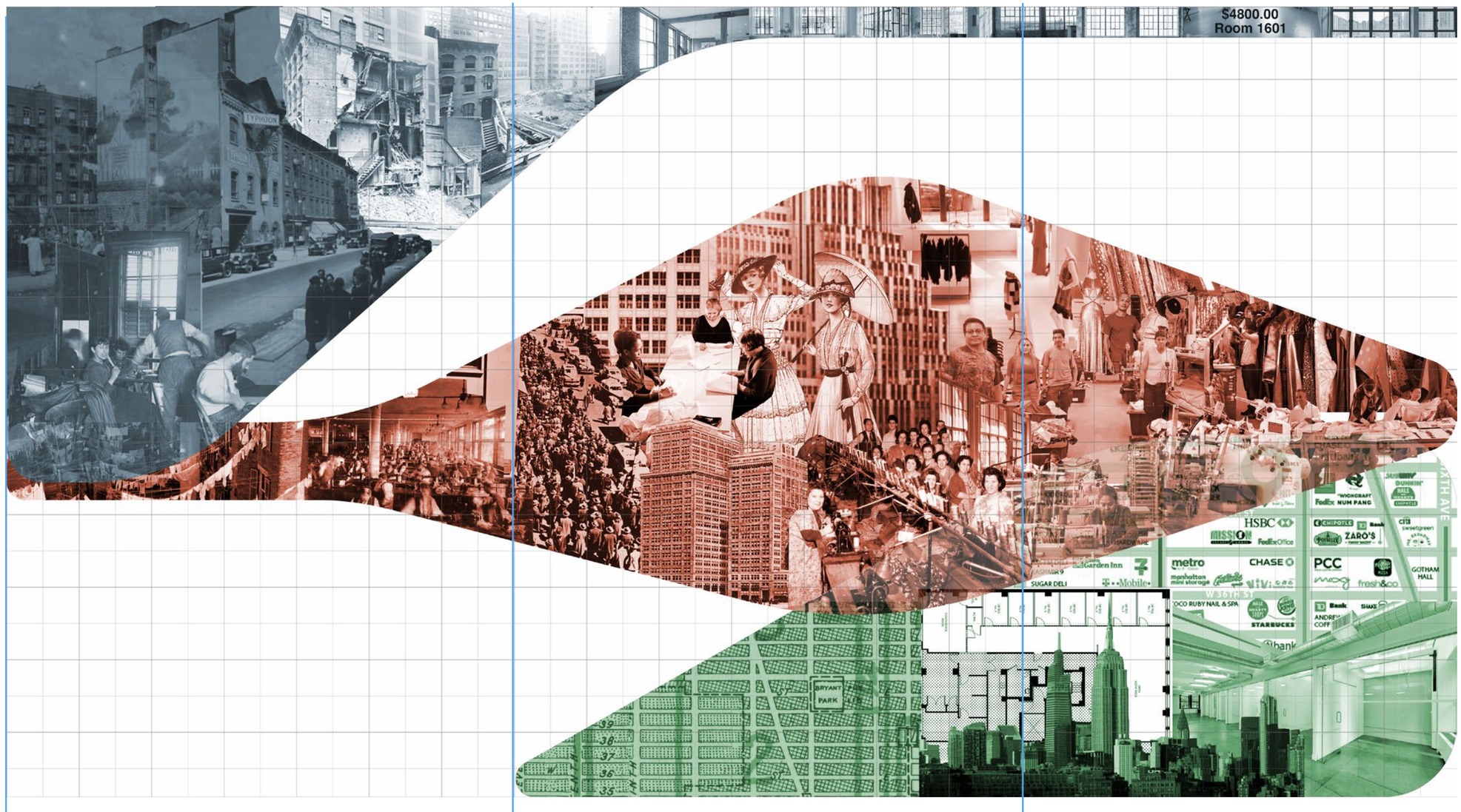
Cutaway of Superblock

TENDERLOIN TO GARMENT DISTRICT

HOUSING

MANUFACTURING

OFFICE

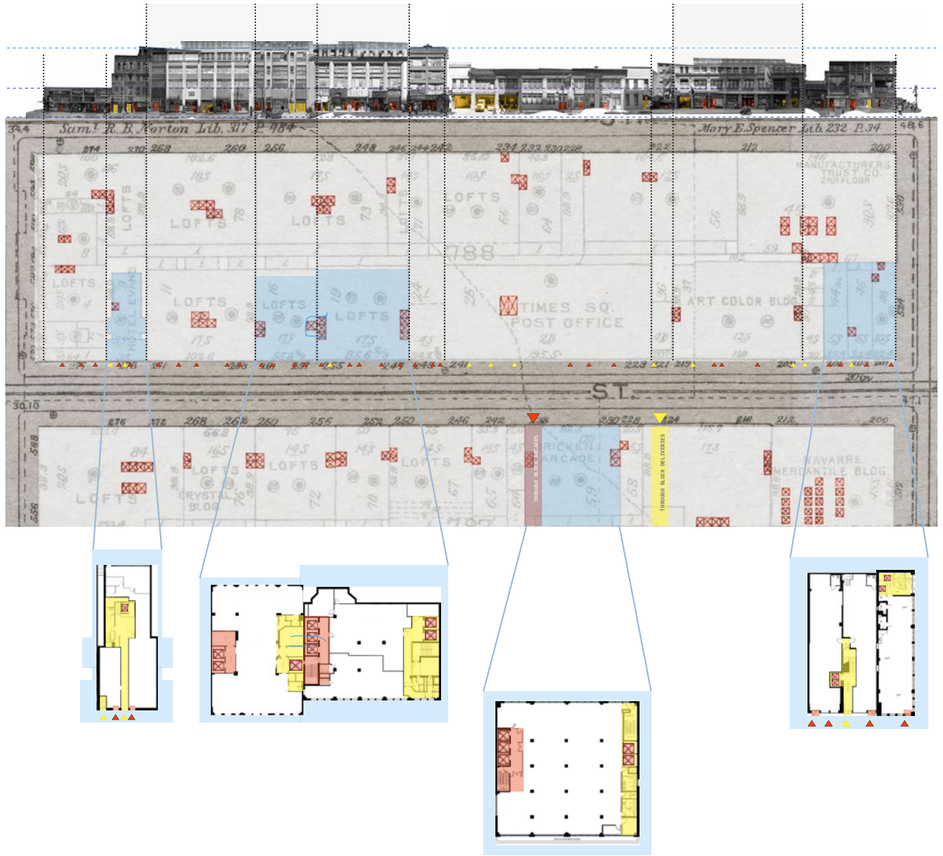


THE TENDERLOIN: LOW-RISE RESIDENTIAL

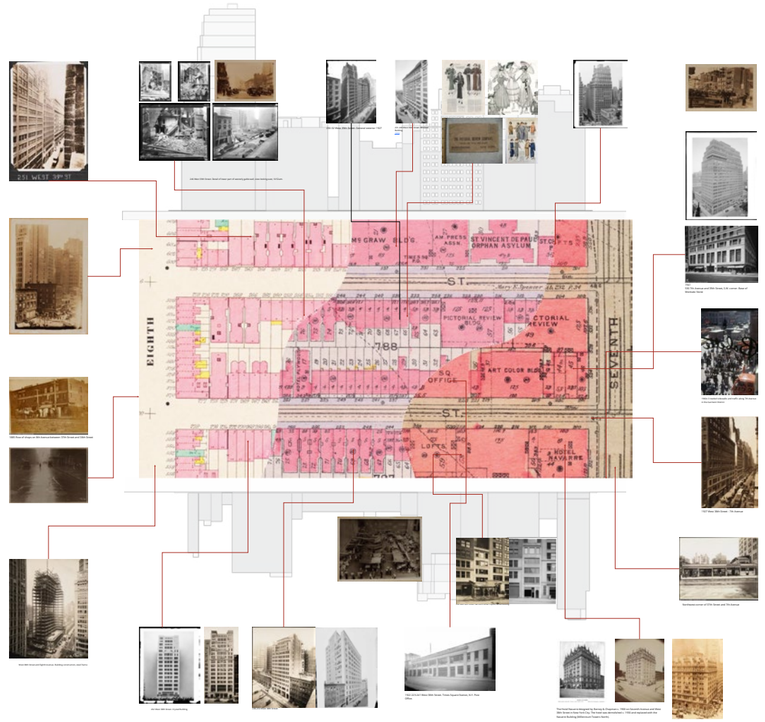
RISE OF THE GARMENT DISTRICT

LOFT-TO-OFFICE CONVERSION

De-densify *the Garnment to reintroduce housing*



ADV VI *Urban Fabric*



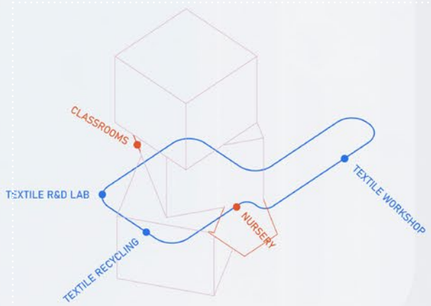
THE DISTRICT

Zoning law requires 50% of area as manufacturing, though millions of sf are illegally converted to offices

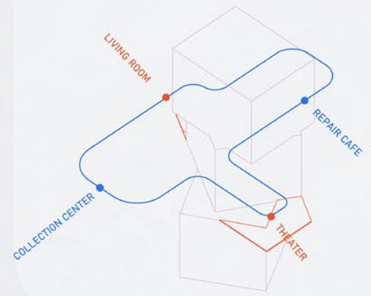
THE PEOPLE

Garment manufacturing is powered by women, the majority of whom are AAPI or Latinx

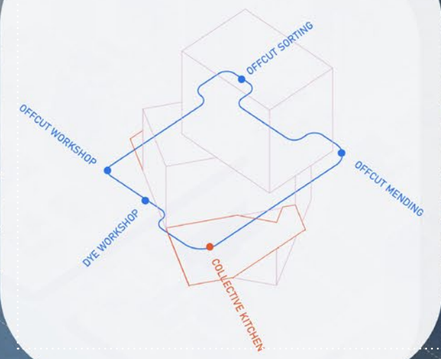
TEXTILE



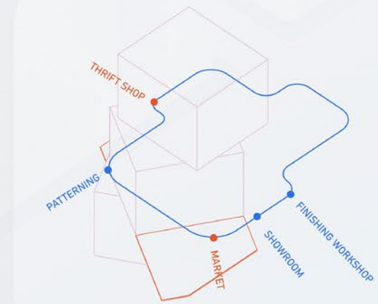
COLLECTION



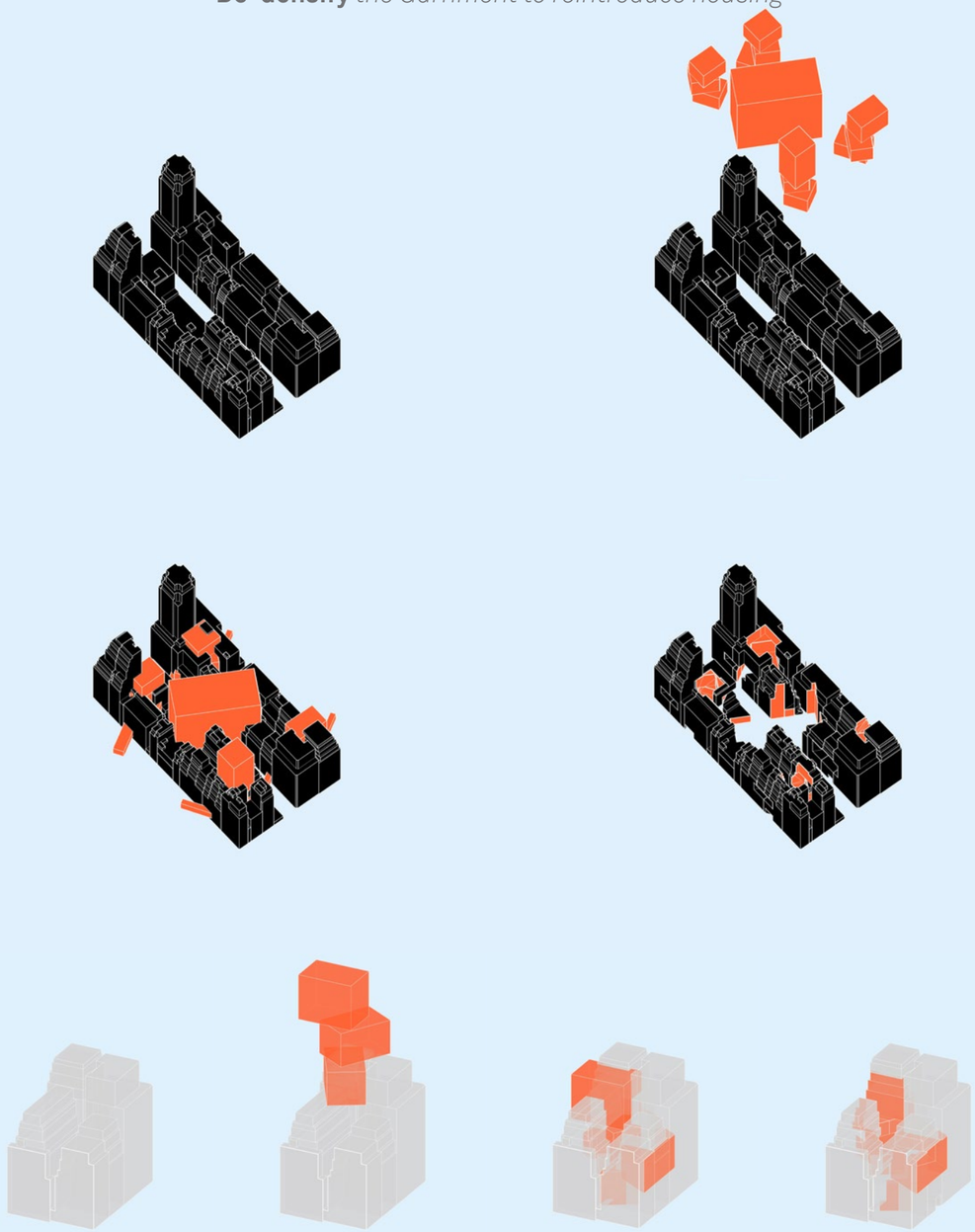
OFFCUT



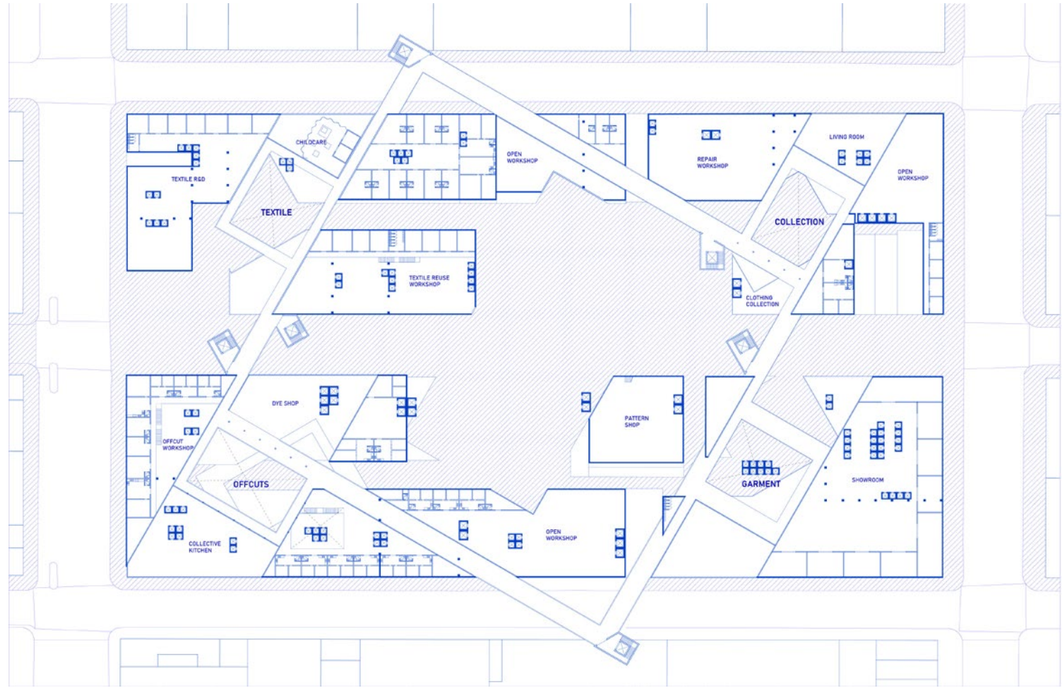
GARMENT

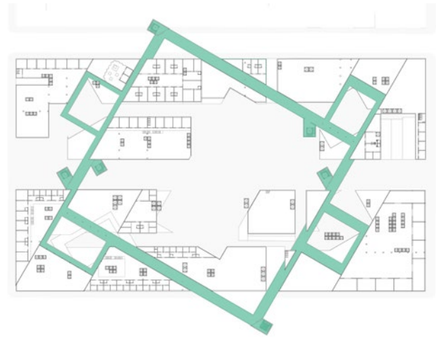


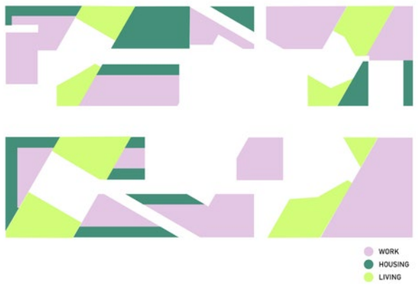
De-densify *the Garnment to reintroduce housing*

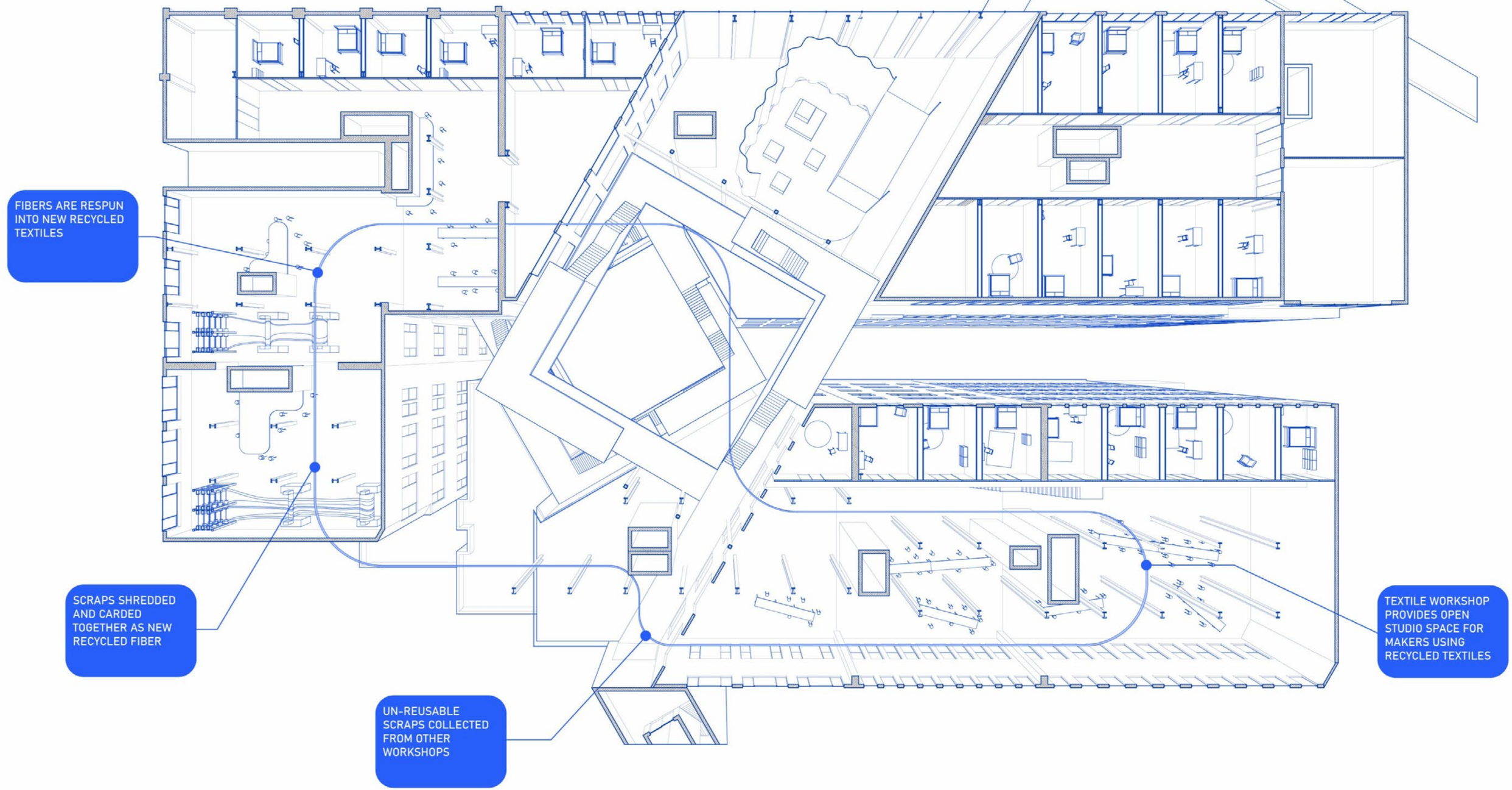


ADV VI *Urban Fabric*



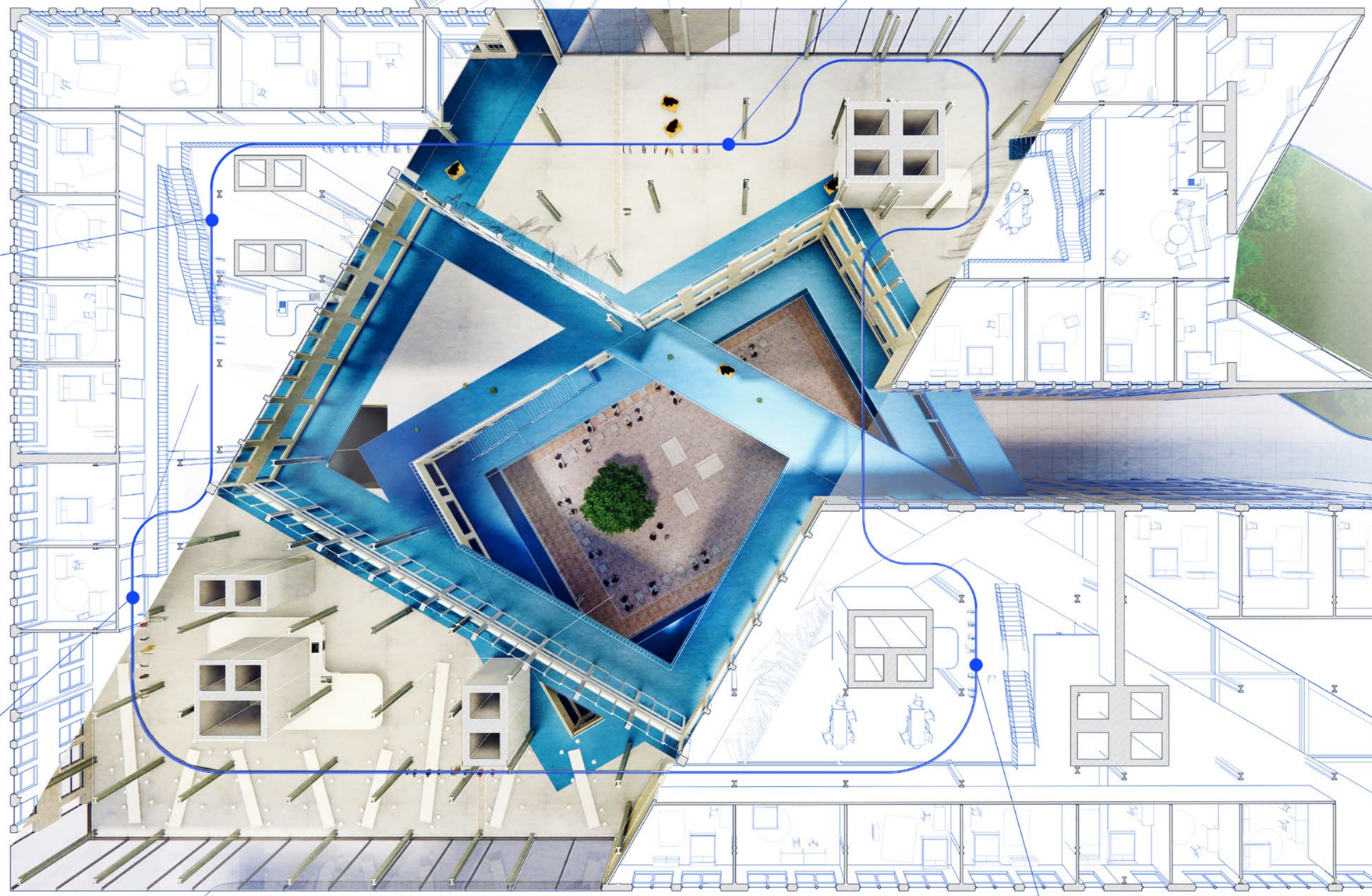





FIBERS ARE RESPUN INTO NEW RECYCLED TEXTILES
SCRAPS SHREDDED AND CARDED TOGETHER AS NEW RECYCLED FIBER
UN-REUSABLE SCRAPS COLLECTED FROM OTHER WORKSHOPS
TEXTILE WORKSHOP PROVIDES OPEN STUDIO SPACE FOR MAKERS USING RECYCLED TEXTILES

UNUSABLE SCRAPS ARE SHREDDED AND SORTED

PATCHED TEXTILES ARE FURTHER PROCESSED TO BE UPCYCLED INTO CLOTHING, CURTAINS, INSULATION



NEW TEXTILES ARE WASHED AND RECOLORED USING NATURAL DYES

SORTED BY TYPE, THE SCRAPS ARE REASSEMBLED INTO PATCHED FABRICS

De-densify *the Garnment to reintroduce housing*

ADV VI *Urban Fabric*

Disobedient
PROJECTS

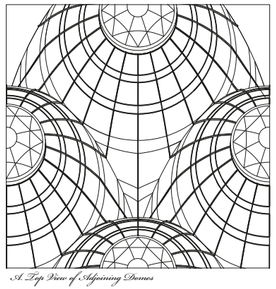
-Appendix-

A Dip in Heritage

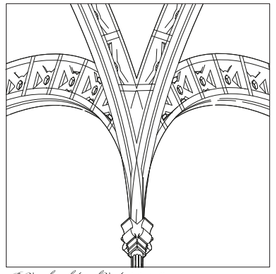
adapting the biblioteque nationale by Henri Labrouste into a swimming pool

This drawing and representation project speculates on the possibilities of adapting the biblioteque nationale by Henri Labrouste. In France, there are a plethora of lesser known 19th century iconic structure that are often neglected and fall into disrepair. Drawings and models were used to analyse and understand the structural and construction principles in the domes while depicting the contrast of an optimisic hedonism that could further propagate the reuse and adaptation of other neglegted historic structures into objects for public leisure once again.

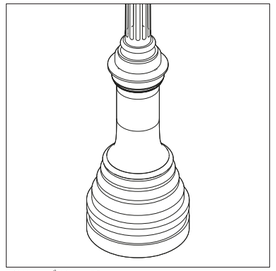
Type: ADR - I **Representation**
Professor: **Bika Rebek**



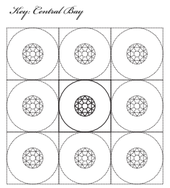
A. Top View of Adjoining Domes



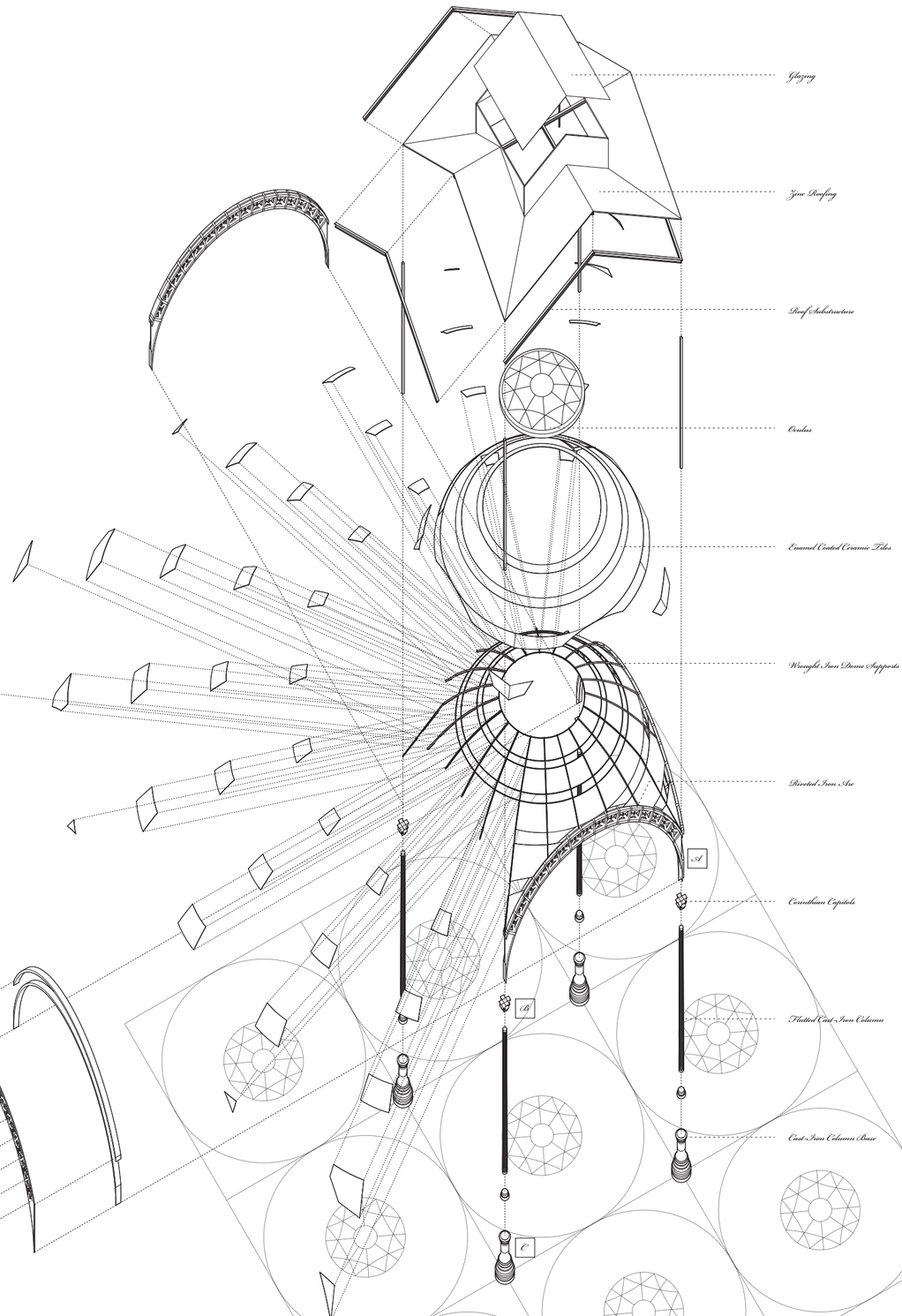
B. View from below of Vaults intersection



C. View of Column Base



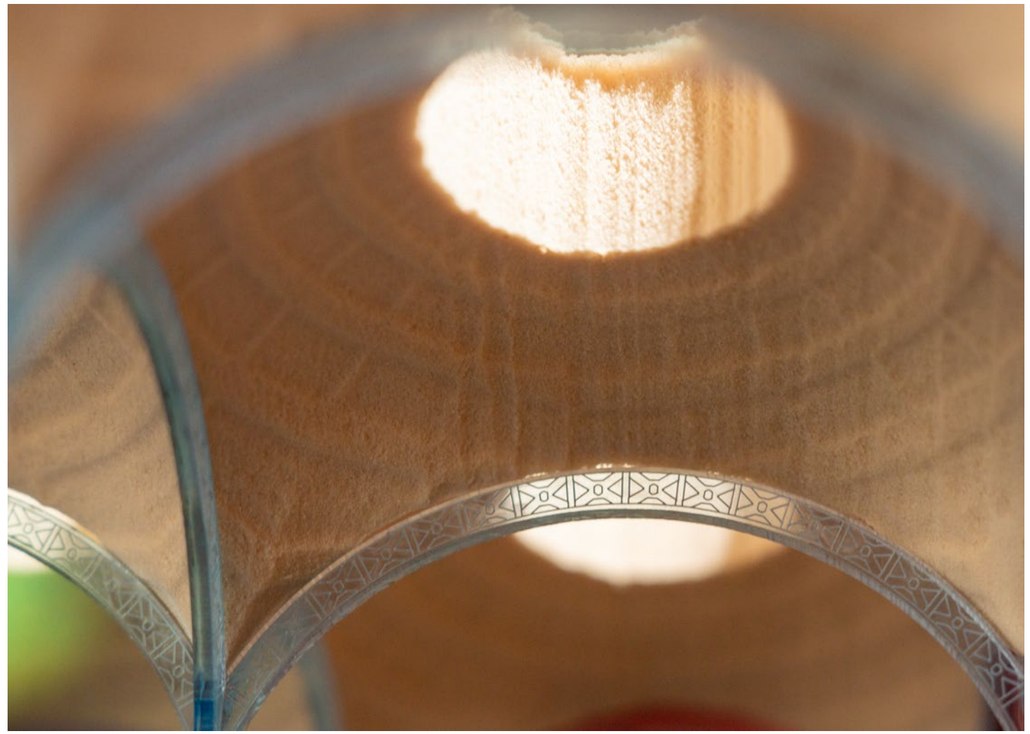
Key, Central Bay



Adapt *the biblioteque nationale into a swimming pool*

Model Photos: Domes

ADR *Swimming in the biblioteque nationale*



Model Photos: Domes

Adapt *the biblioteque nationale into a swimming pool*

Model Photos: Swimmers

ADR *Swimming in the biblioteque nationale*

Model Photos: Swimmers

Adapt *the biblioteque nationale into a swimming pool*

Model Photos

ADR *Swimming in the biblioteque nationale*

Model Photos: Light & Lockers

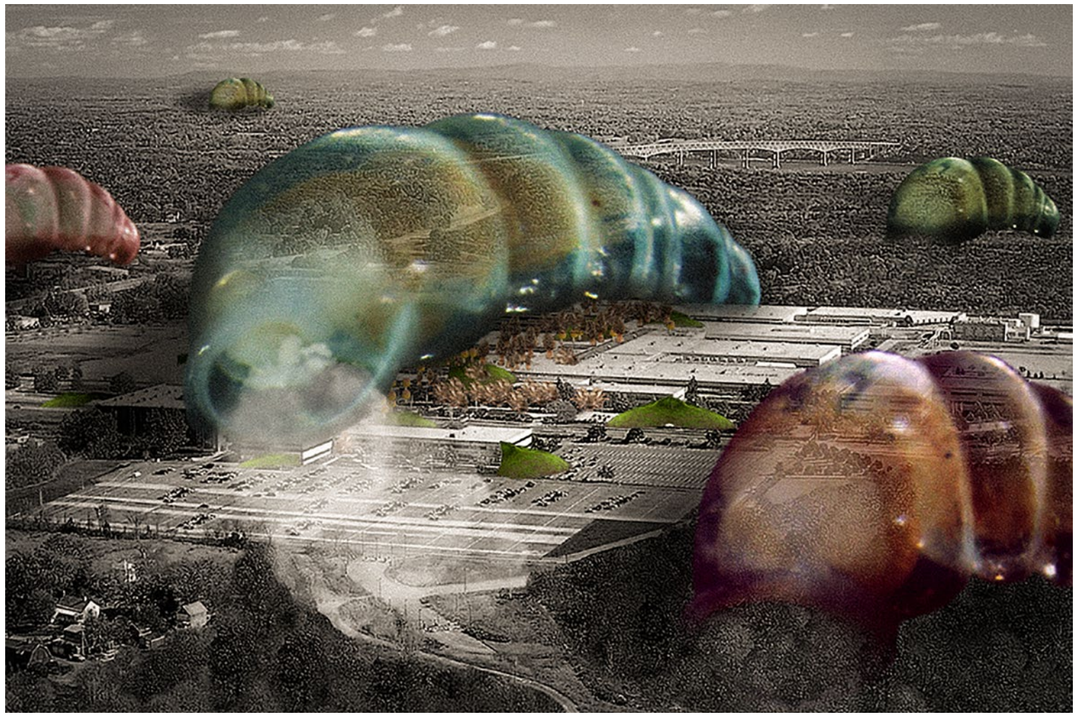
IBM Forest Data Center

Exhibition featuring mushroom powered computer

In a post-petro future, we imagine a biobased data center made up of a forest. Forest trunk rings will store our data and be wired through mycorrhizal networks underground. Each person will be given their own tree and as the tree grows, so can their data storage. This forest and mycelium growing center will be superimposed on the existing degrading IBM data center.

Participants will imagine where their data is stored in a post-petroleum bio-computing world. As one enters the space, there is a transition from the electronic waste of current petrol fuelled data centers to the future of grown computing. The diversity of species allows for multiple networks of data storage and different methods of communication.

Type: **Making Kin with Biomaterials**
Professor: **Chris Woebken**
Collaborators: **Aditi Shetye**
Adeline Chum

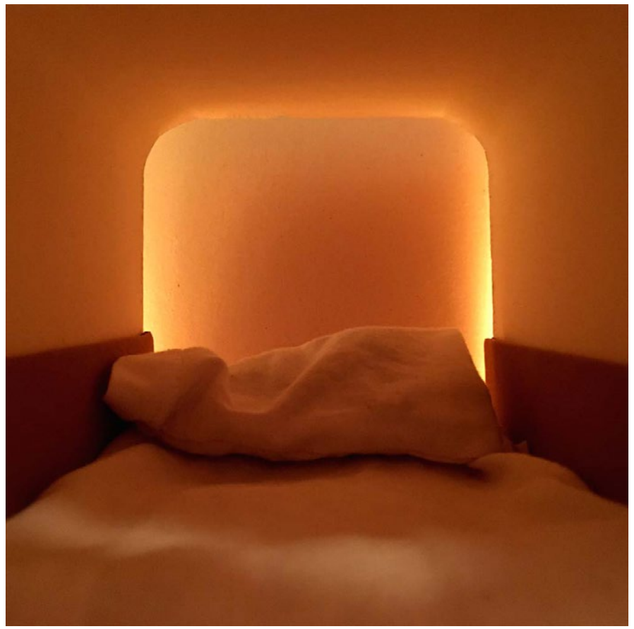


Spare Rib

Model Fictions - Scenographic modelling for film

Significant advancements in organ transplantation (and organ engineering), coupled with the accelerating effects of a fragmented gig-economy has resulted in a population of humans that need very little sleep but instead must move constantly, like sharks, to stay fit and alive. They sleep in sub 1-hour bursts wherever they can and move on.

Type:	**Model Fictions**
Professor:	**Josh Jordan**
Collaborators:	**Kylie Walker**
	Jordan Readyhough



Thank you!
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May 9
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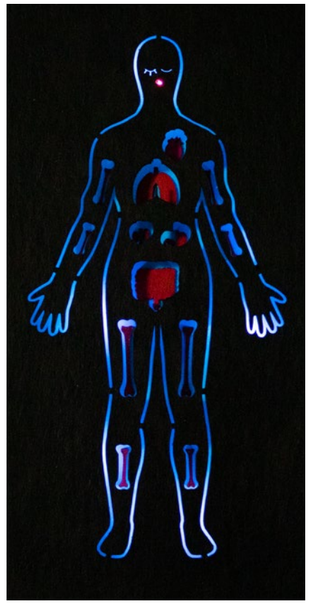

PENTAX