

HELEN ISLE ADELHEID WINTER

SELECTED WORKS

13th REGIMENT ARMORY CULTURAL CENTER

Brooklyn, NY

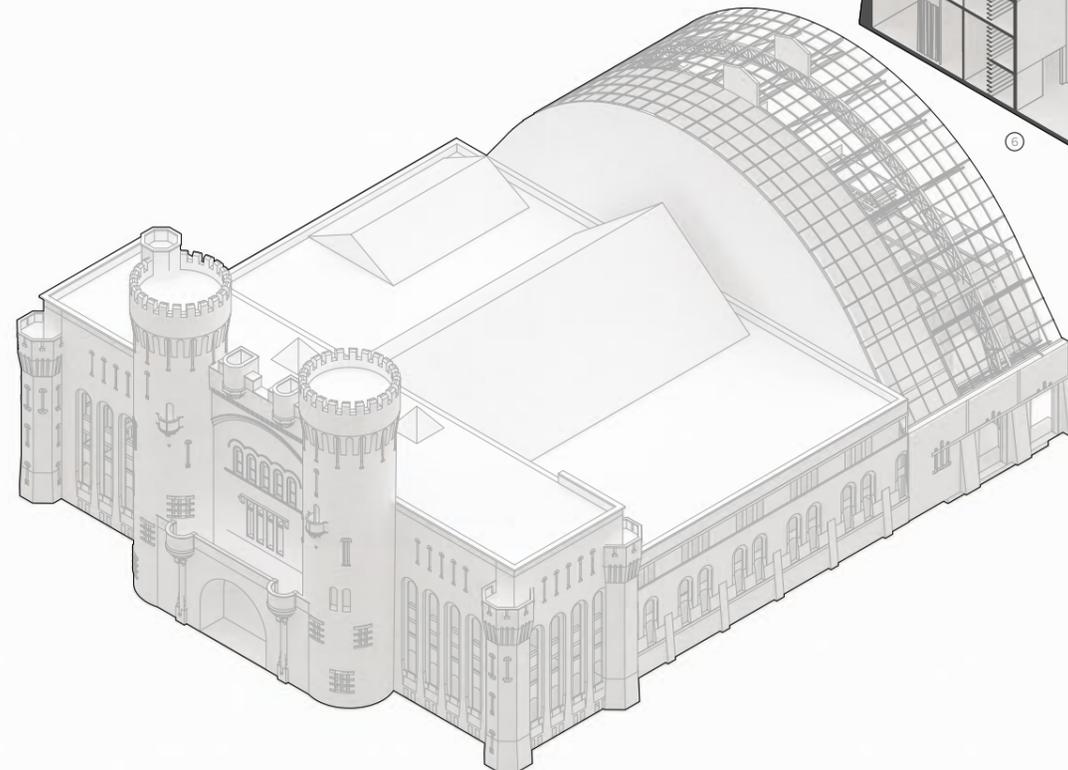
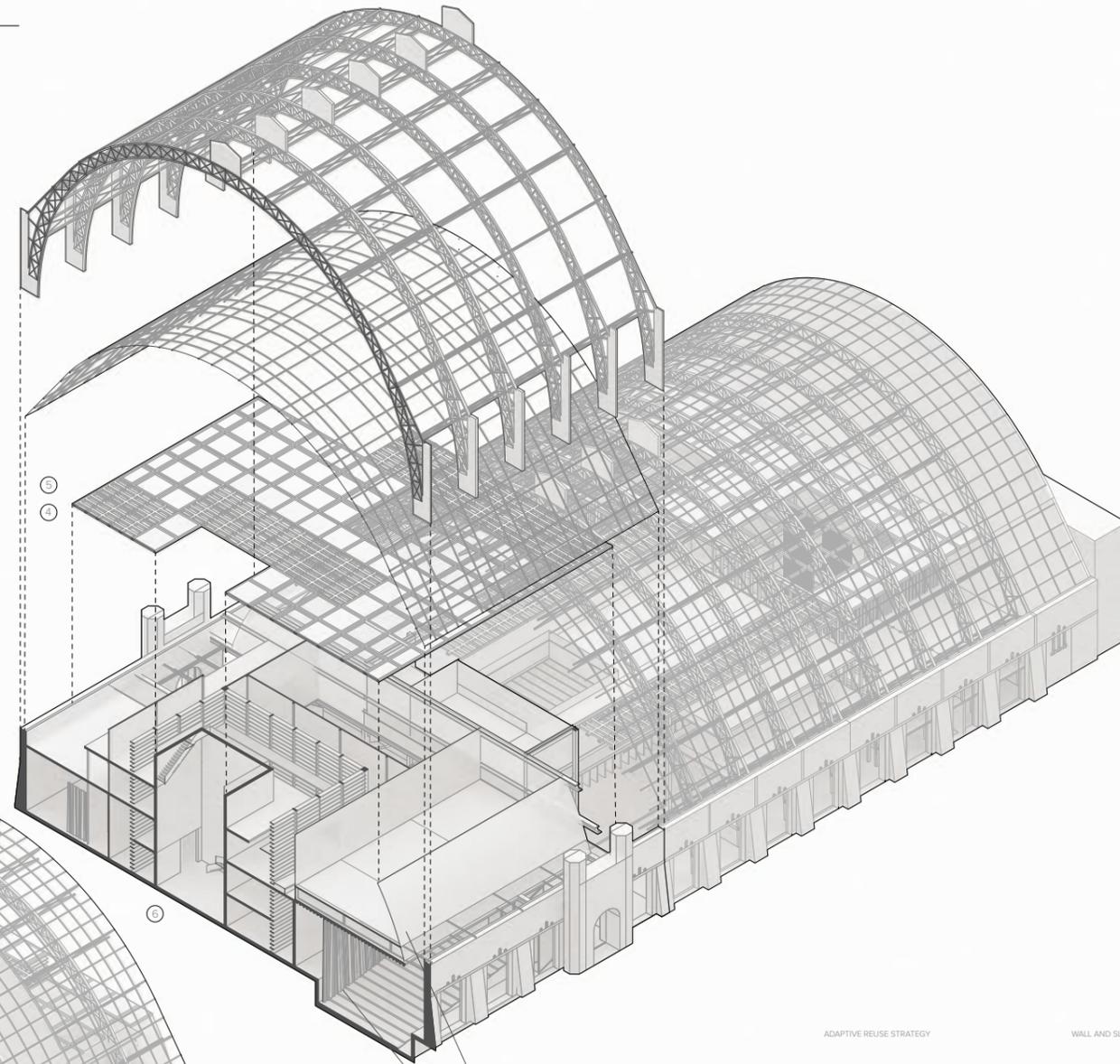
IN COLLABORATION WITH Danielle Nir // GSAPP ADV5// CRITIC: Wonne Ickx

Recognizing the multi-layered nature of a cultural brief, our project utilizes the large inner volume of the existing 19th century drill hall for a new cultural center that introduces different scales of spaces for sports, arts, and educational programs. Our project stems from the understanding that culture is rooted in and is progressed by complex social interactions within and across its different programs. The project responds to this need for connectivity in two ways:

1) The new center is organized as a series of rooms. Used as a tool to create spatial unity, the room-based plan provides an opportunity for a new type of public interior, packed with distinct and diverse spatial identities. Without the transitional space of a corridor, different programs can pour into one another, bringing about opportunities for rich encounters as artists, athletes, and dancers move room to room, experiencing the project as a collection of activated, shared interiors.

2) Rooms are delineated through a system of enclosures (horizontal and vertical), which define the presence or disappearance of spatial boundaries. The system of boundaries materializes gradients of permeability (glass enclosures, metal mesh, perforated concrete panels, open bookshelf wall, concrete columns and beams, curtains, solid walls, etc) to curate different levels of continuity between spaces. Because of the social nature of the project, we only create boundaries that are easy to transgress, ones which invite infiltration through movement, sound and vision.

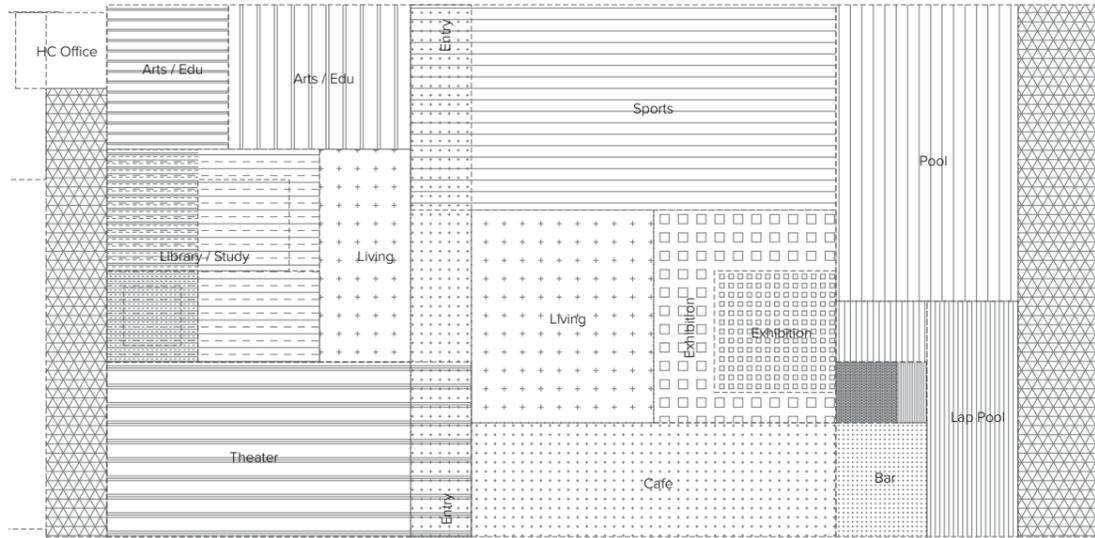
What results is a new cultural center that promotes interactions between different facets of culture through a series of spaces that are thoughtfully interconnected.



01

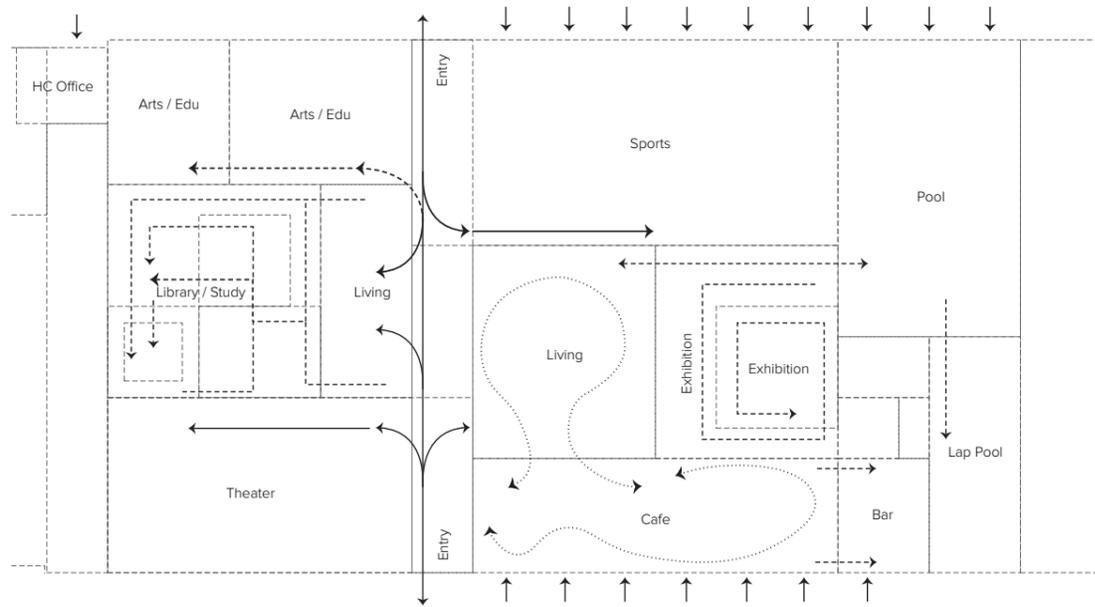
02

ADAPTIVE REUSE STRATEGY		WALL AND SLAB SYSTEM	
Steel Truss Structure	Existing	Spatial Continuity	Columns and Beams ①
Glazed Roof Enclosure	Addition	Sound Continuity	Curtain and Operable Screen ②
Wall and Slab System	Addition	Visual Boundary	Metal Mesh and Grating ③
Brick Facade	Existing	Visual Continuity	Transparent and Frosted Glass ④
Punctured Street Openings	Addition	Sound Boundary	Perforated Concrete ⑤
		Absolute Boundary	Concrete Wall and Slab ⑥

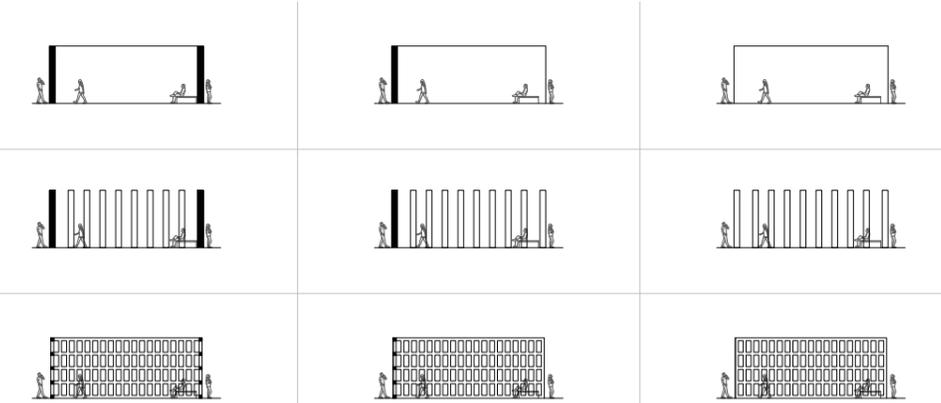
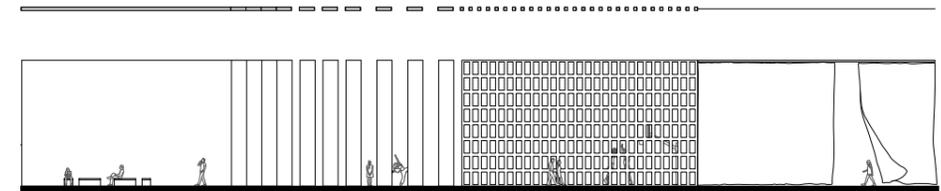


Room-Based Plan

03



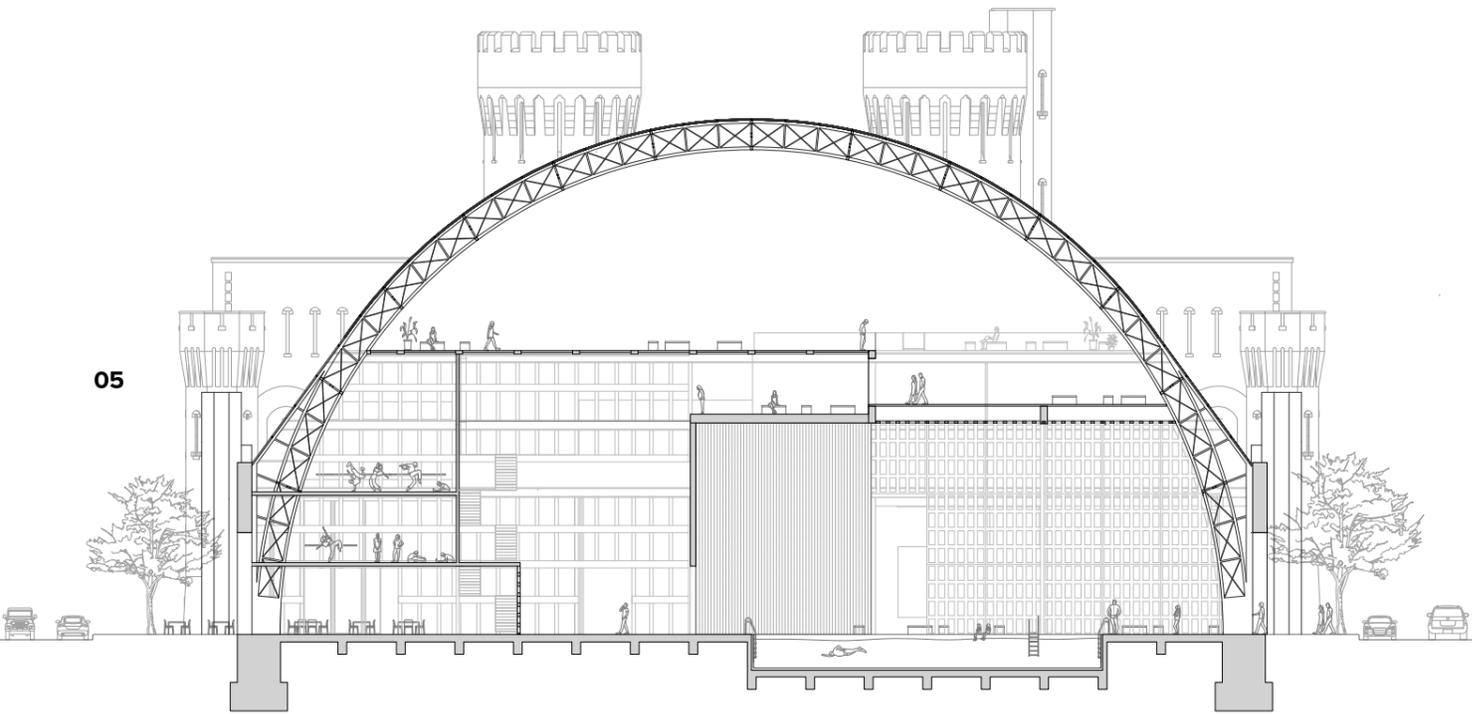
Path: Room to Room Circulation



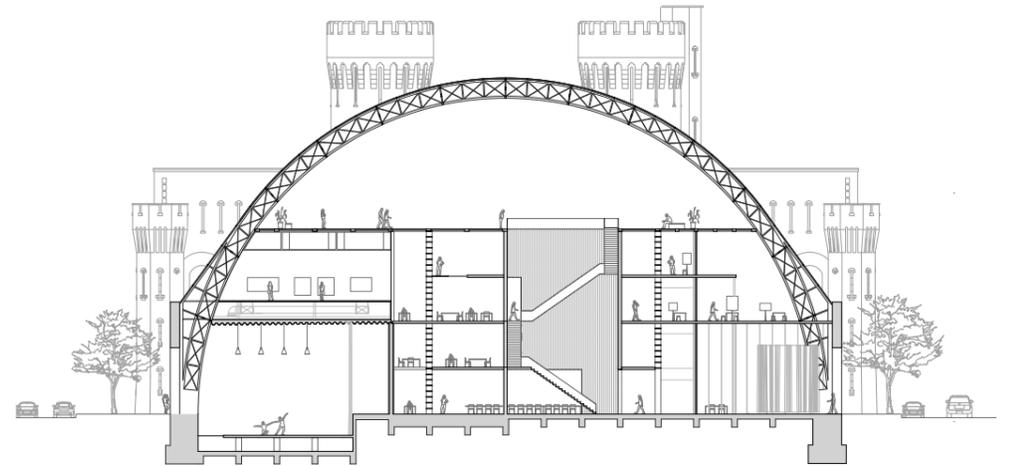
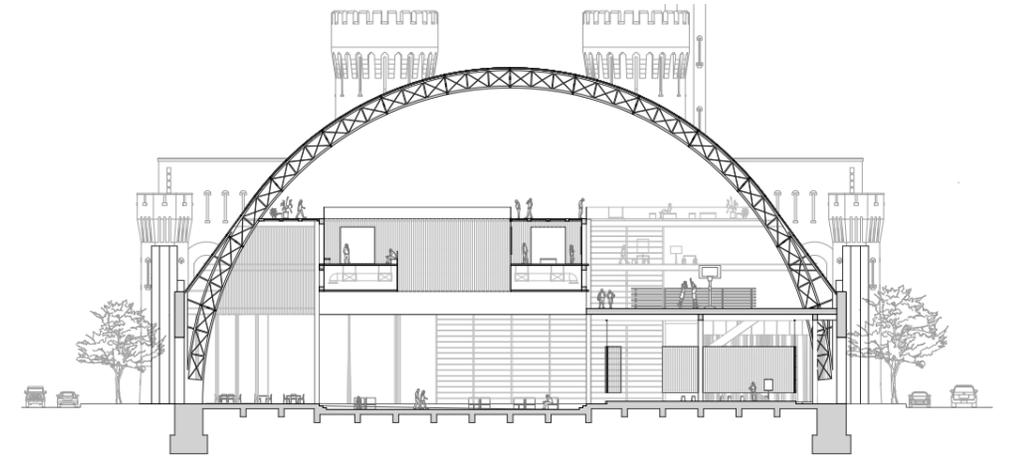
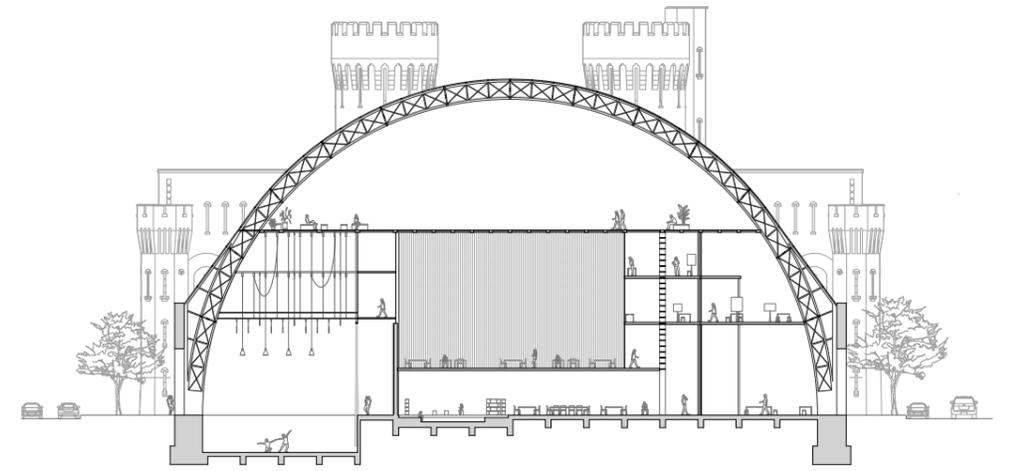
System of Enclosures

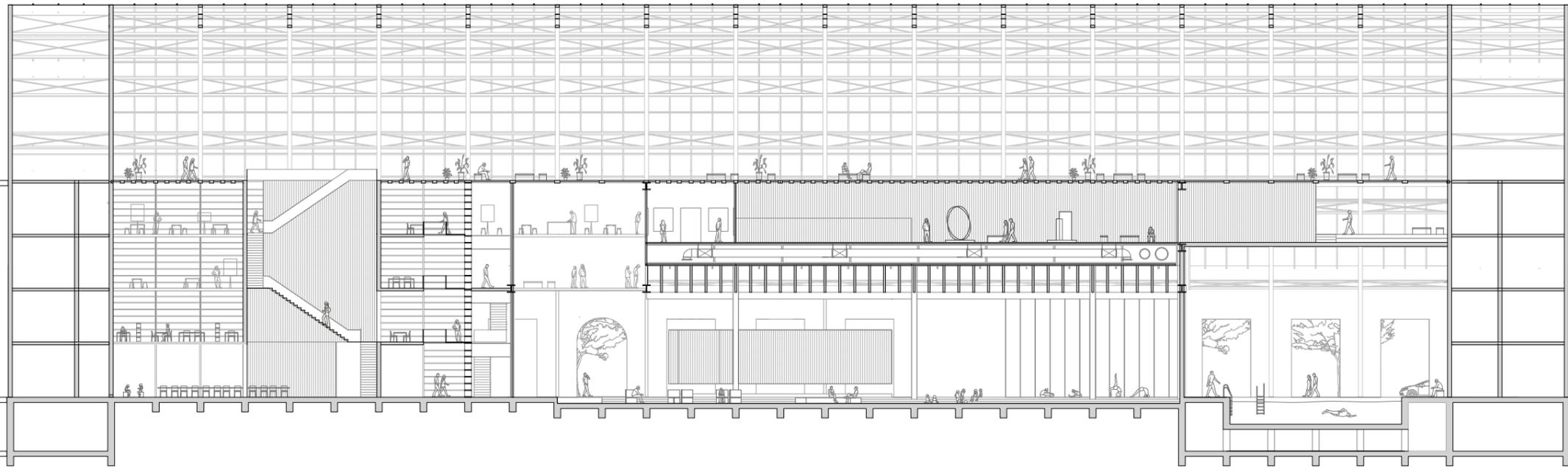
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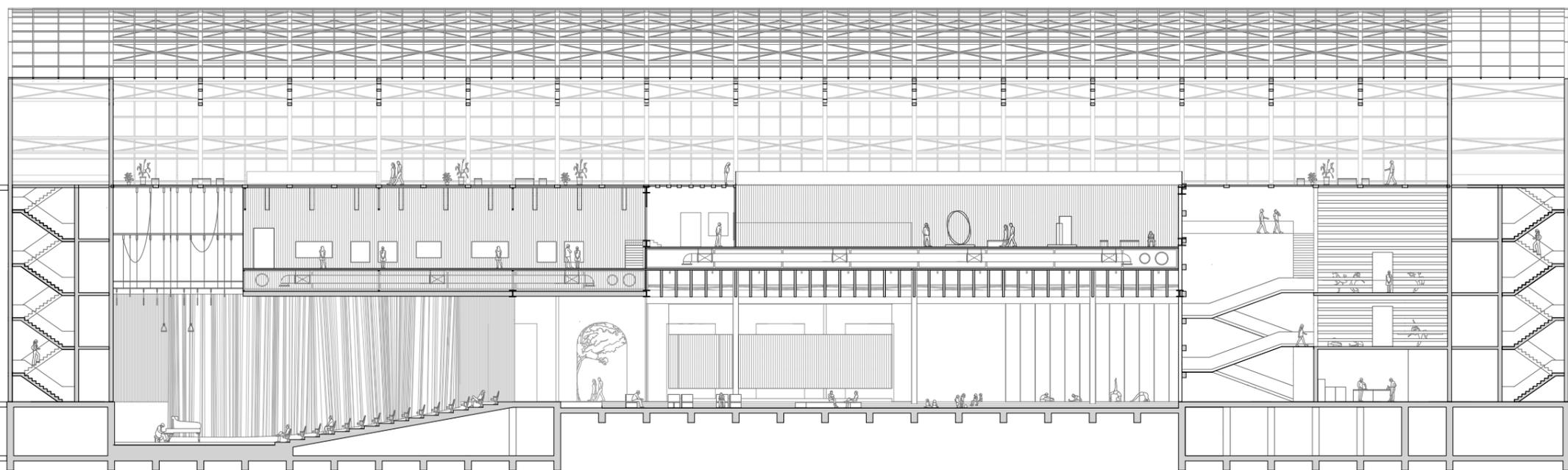
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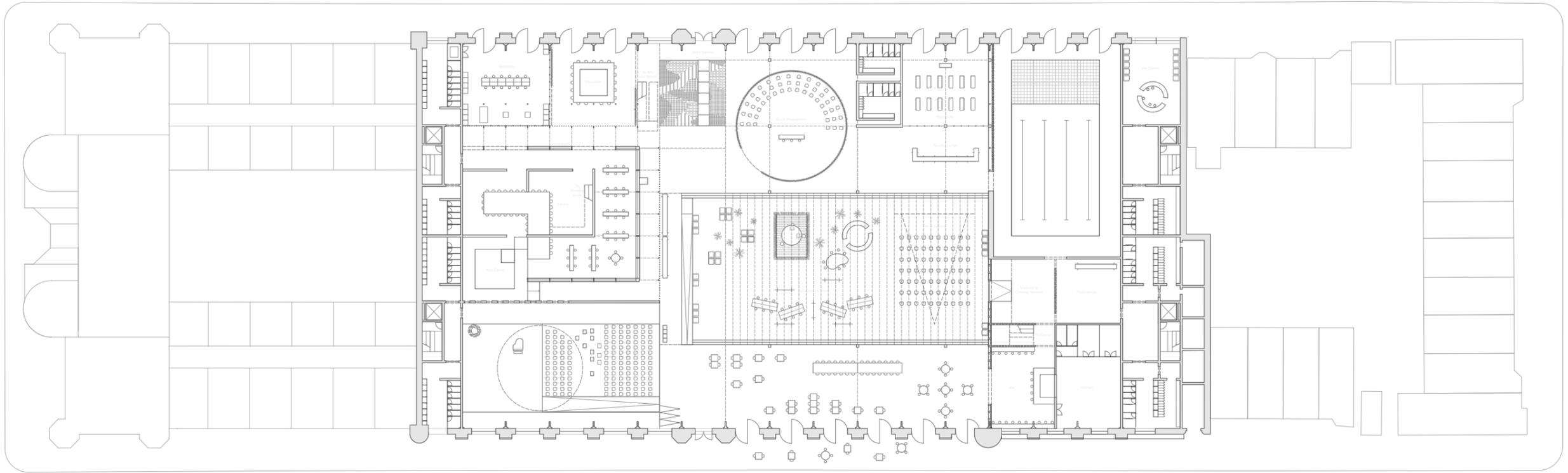


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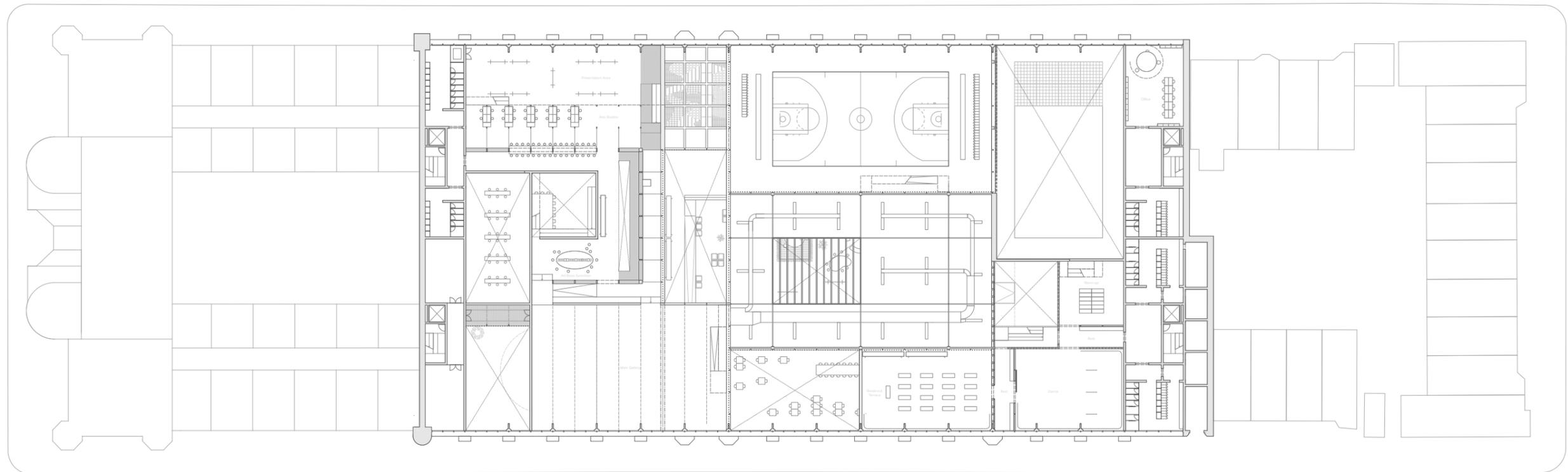
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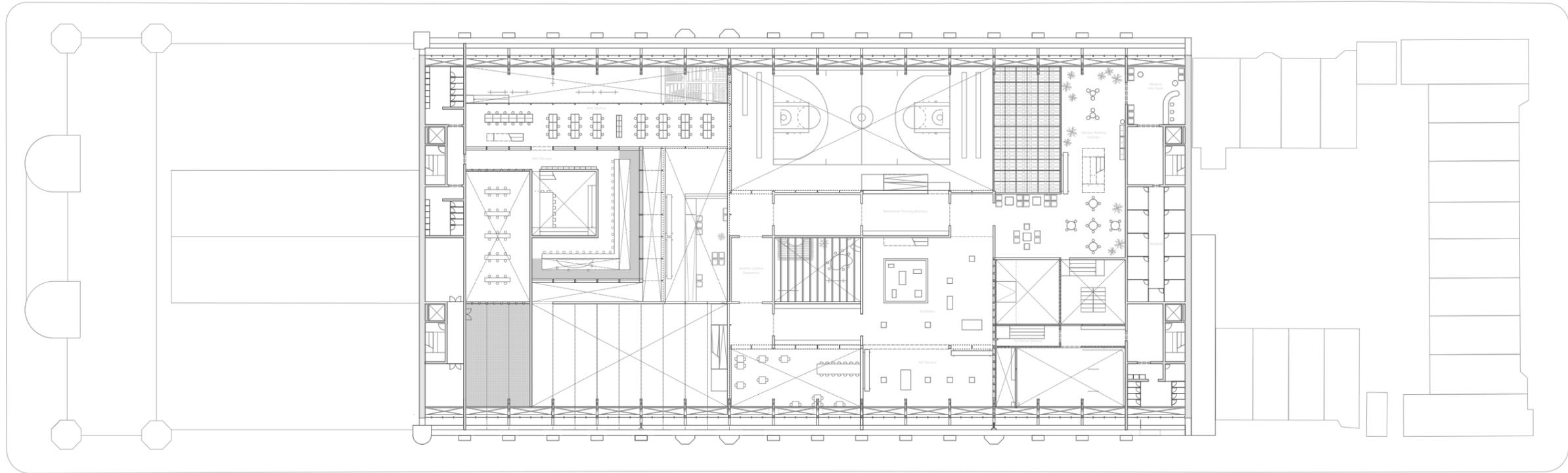
Level 0



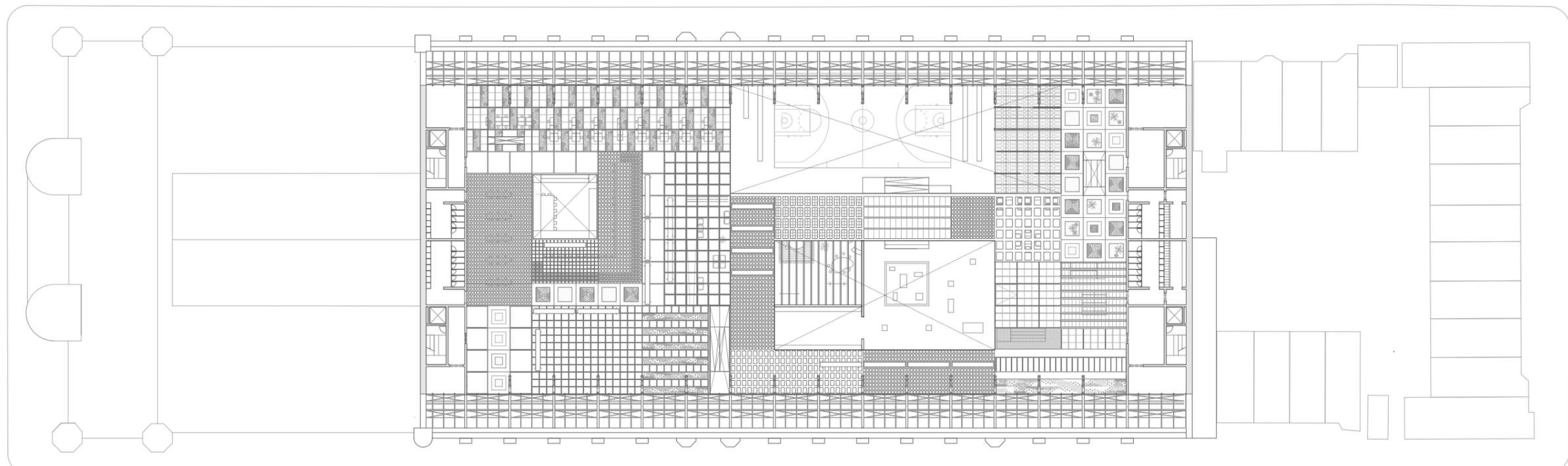
Level 2 , +8m



Level 3, +12m



Level 4, +16m



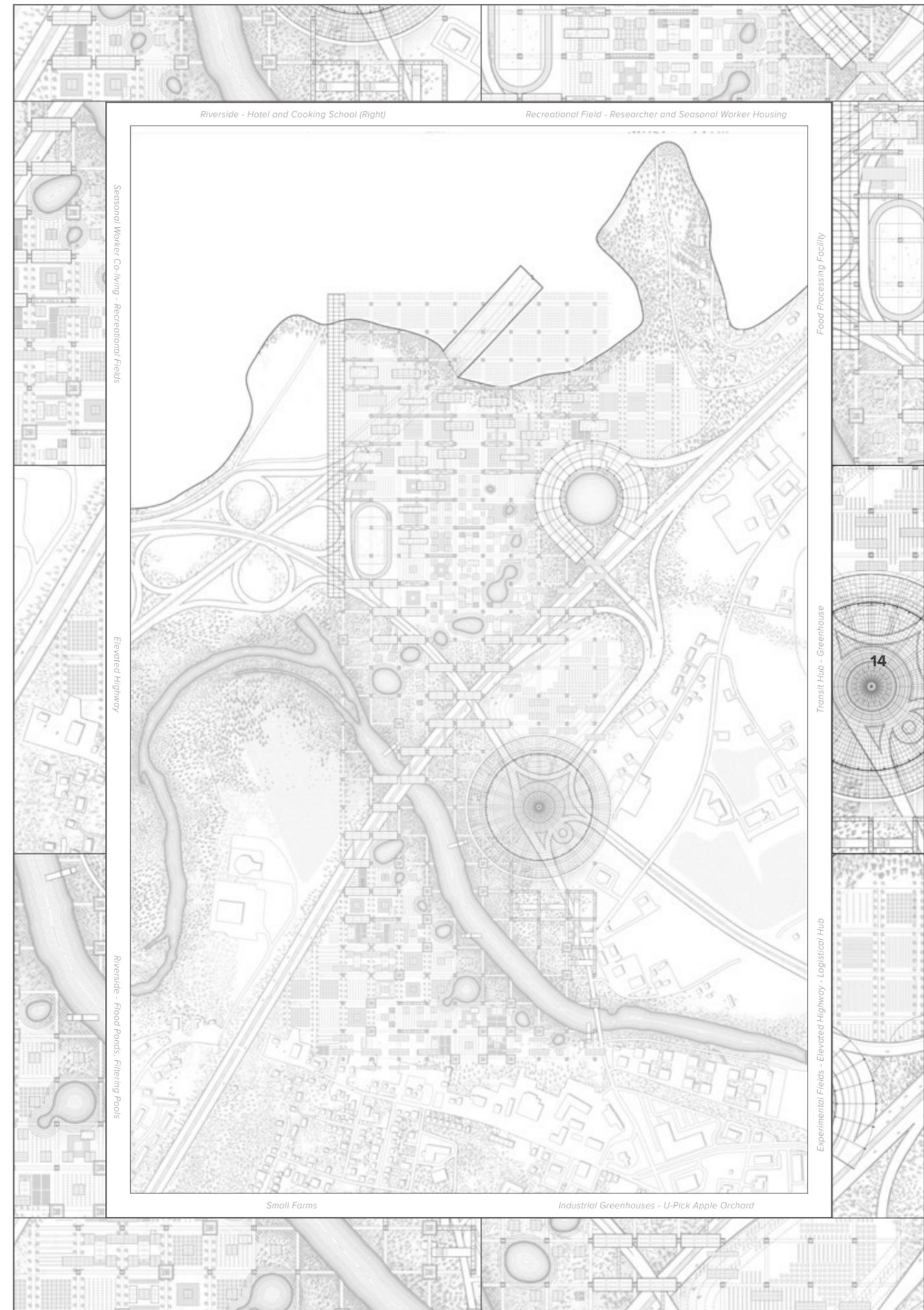
A NEW ZONE FOR AGRICULTURE

Agriculture Infrastructures for the Hudson Valley

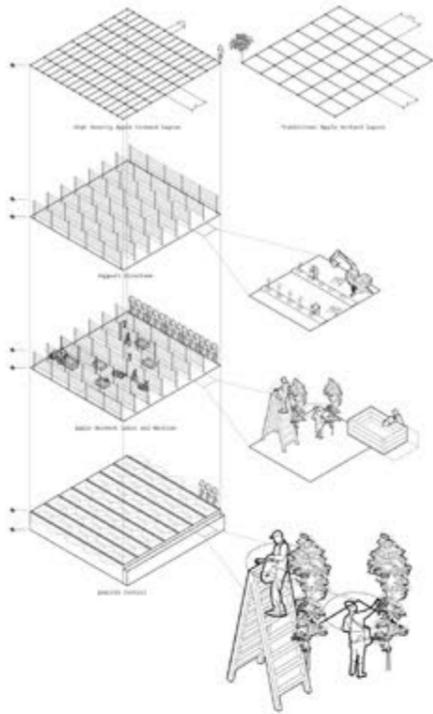
IN COLLABORATION WITH Tianyu Yang and Jiazhen Lin // GSAPP ADV4// CRITIC: Nahyun Hwang

The project proposes a new prototype of agricultural infrastructure that redirects existing flows of commonly separated groups - migrant laborers, agritourists, researchers, and farmers within an independent zone where industrial, educational, agricultural, and residential uses are productive together. Our campus is lifted above the floodbanks of Esopus Creek and appropriates the residual space of overlapping highway infrastructure, disconnected ecological corridors, and insular human - non human communities. Questioning both the disconnect and overlap between these users and their relationship to Nature that have resulted in duplicate infrastructure, our campus positions a variety of hybrid typologies within the framework of an overall, interconnected grid that reevaluate the relationships of human-machine, human-animal, and human - human within the (urban) context.

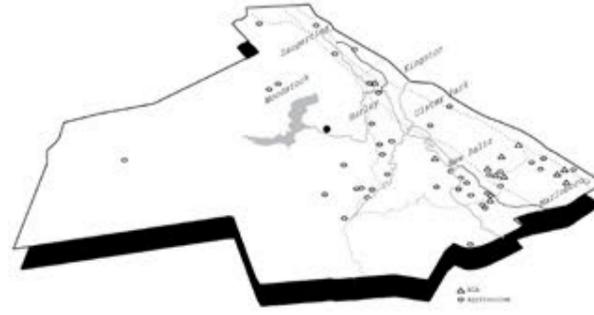
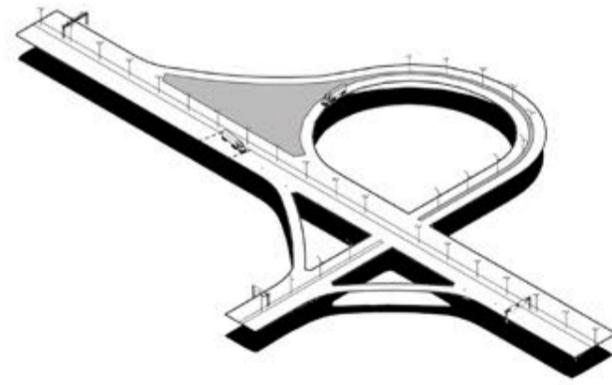
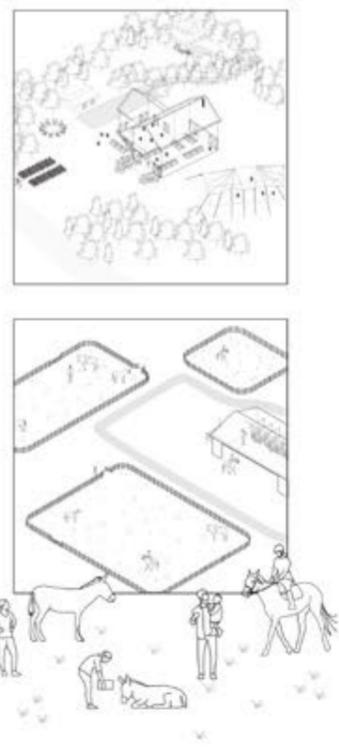
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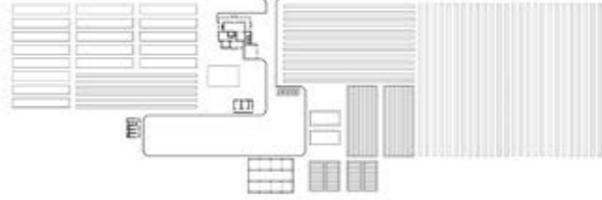
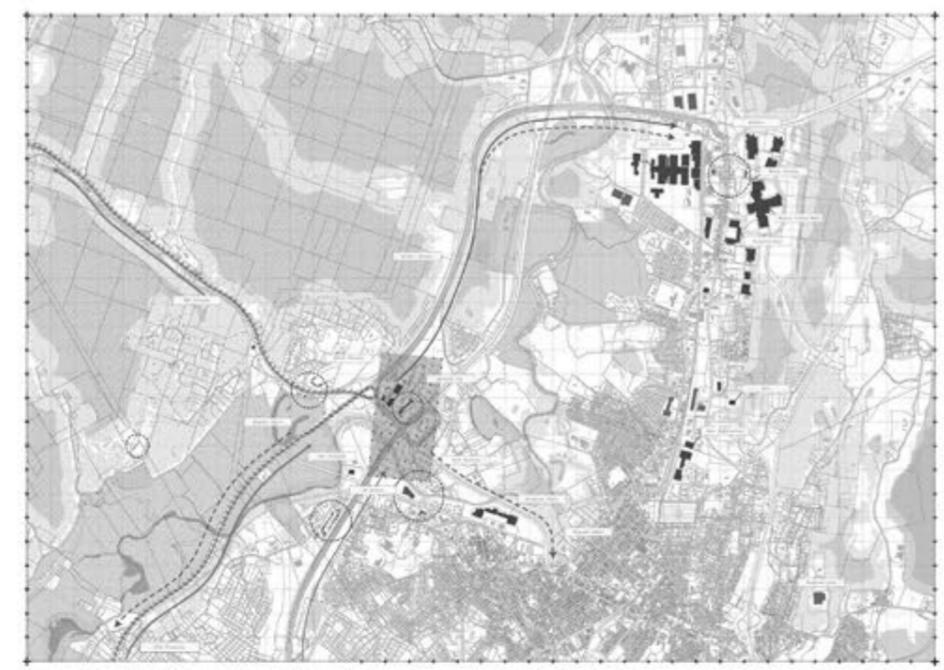
Apple Growing



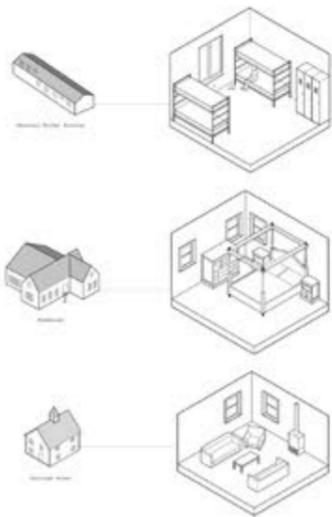
Agritourism



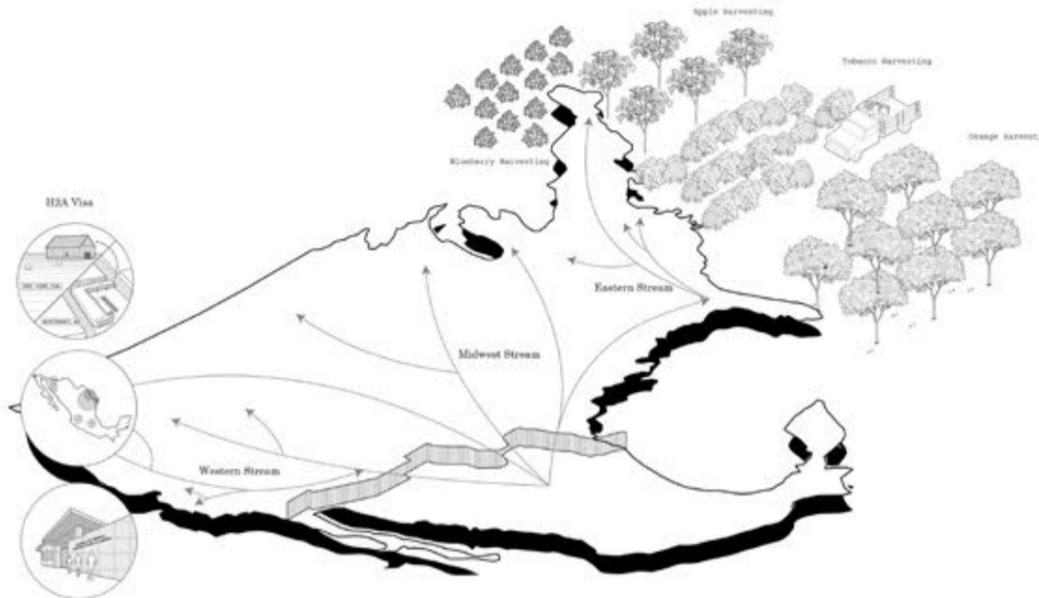
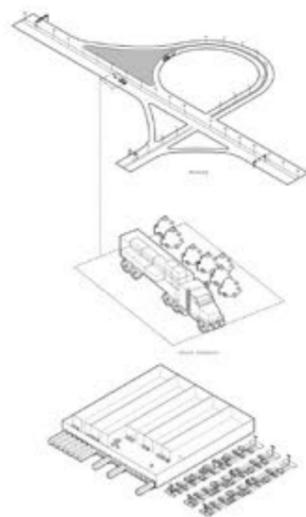
Site Map



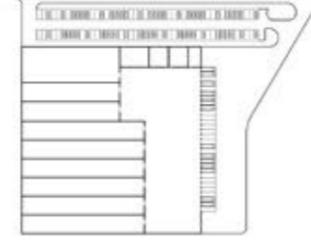
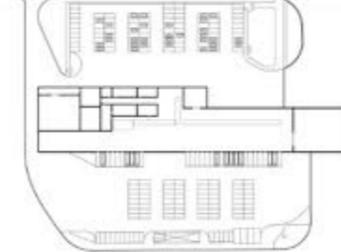
Farm Stay Typologies



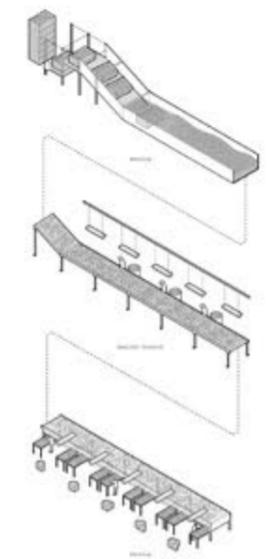
LTL Trucking



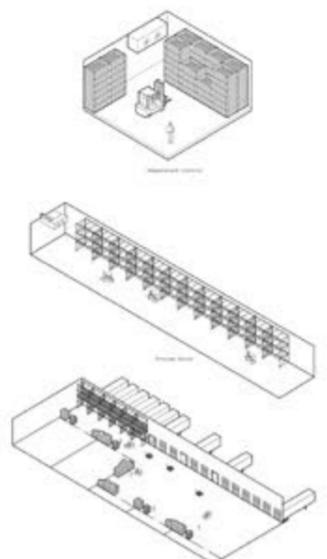
HIA Via



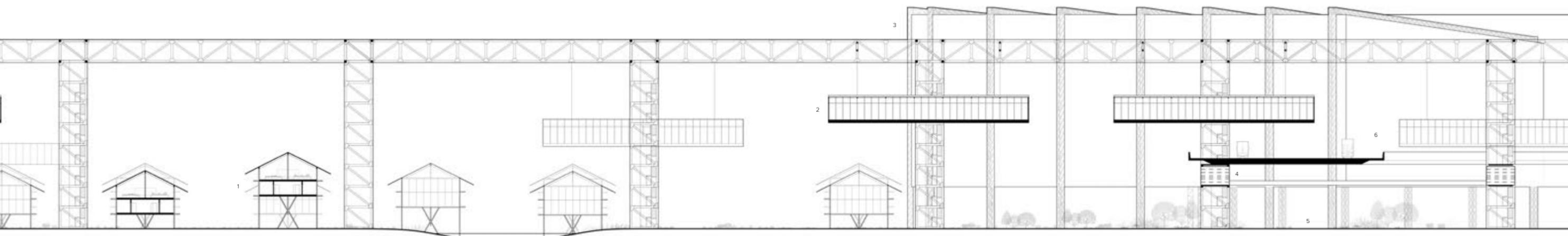
Apple Processing



Apple Distribution



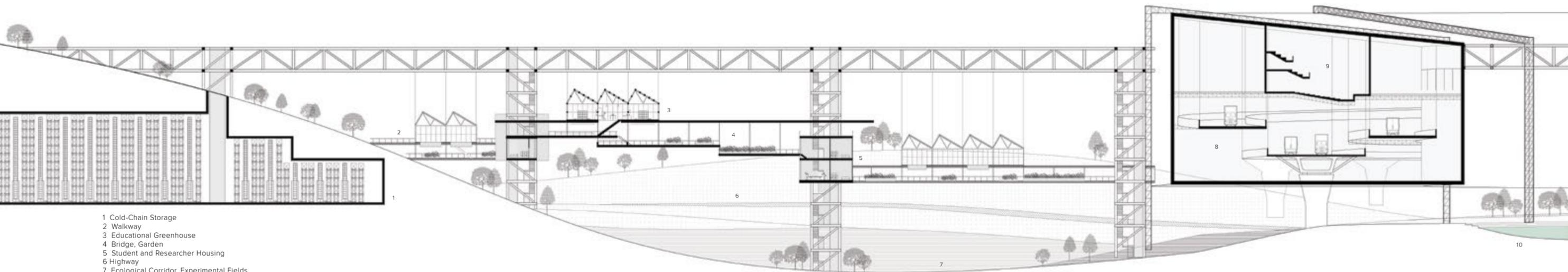
SITE SECTIONS: A Layered Strategy



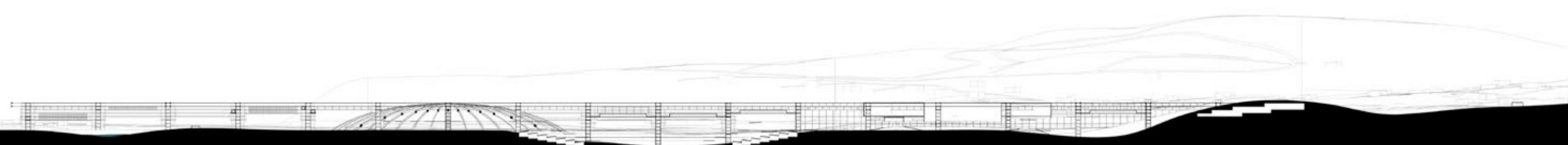
- 1 Seasonal Worker Co-Housing
- 2 Industrial Greenhouse
- 3 Logistics Hub
- 4 Vertical Farming
- 5 Ecological Corridor
- 6 Elevated Highway

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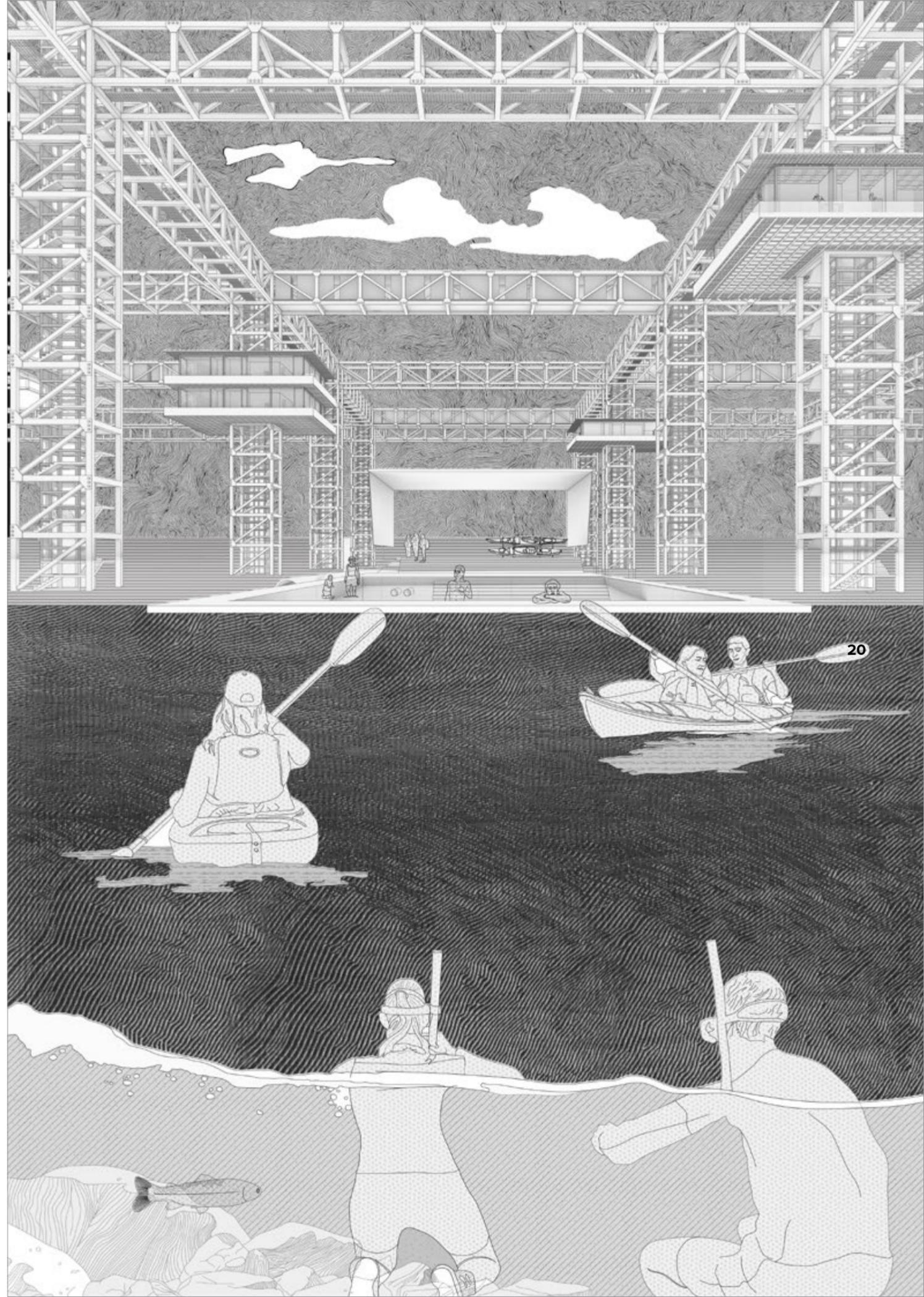
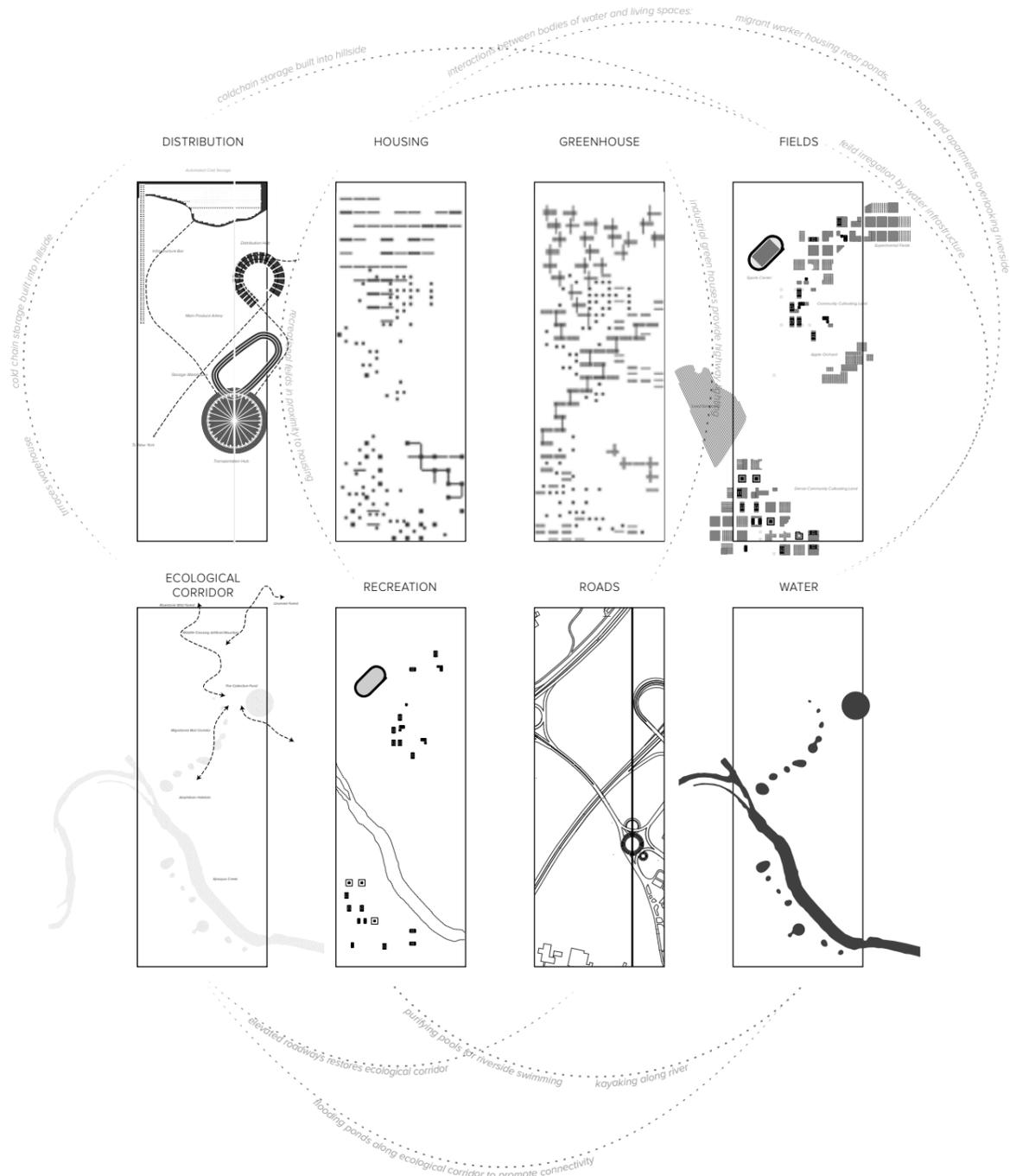
18



- 1 Cold-Chain Storage
- 2 Walkway
- 3 Educational Greenhouse
- 4 Bridge, Garden
- 5 Student and Researcher Housing
- 6 Highway
- 7 Ecological Corridor, Experimental Fields
- 8 Logistics Hub
- 9 Auditorium
- 10 Pond

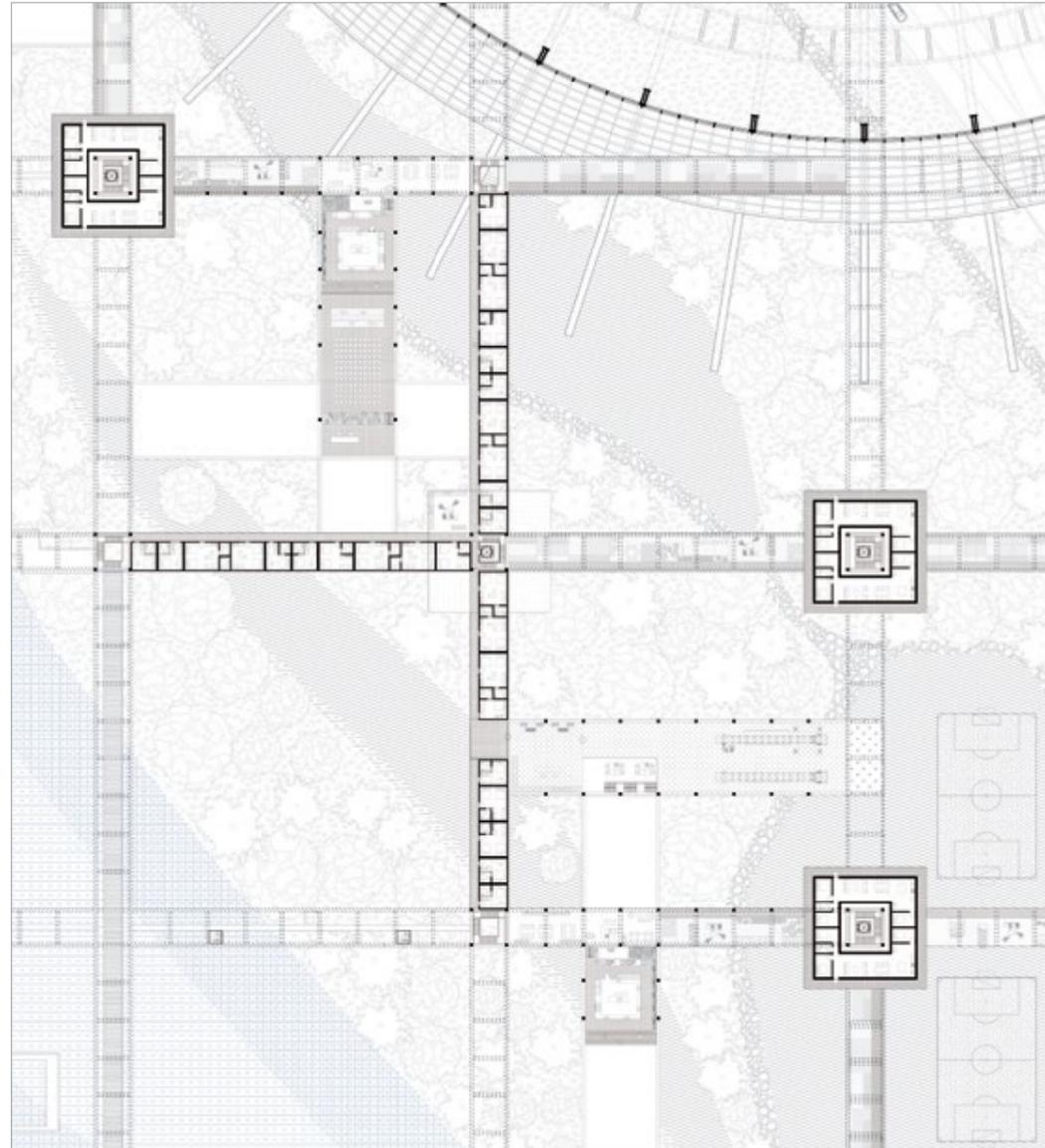


Site Strategy: Interconnected Layers



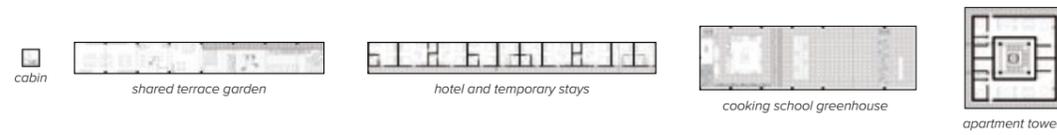
ZONE 1 (South East)

Cooking School, Apartment Towers, Hotel, Transit Hub



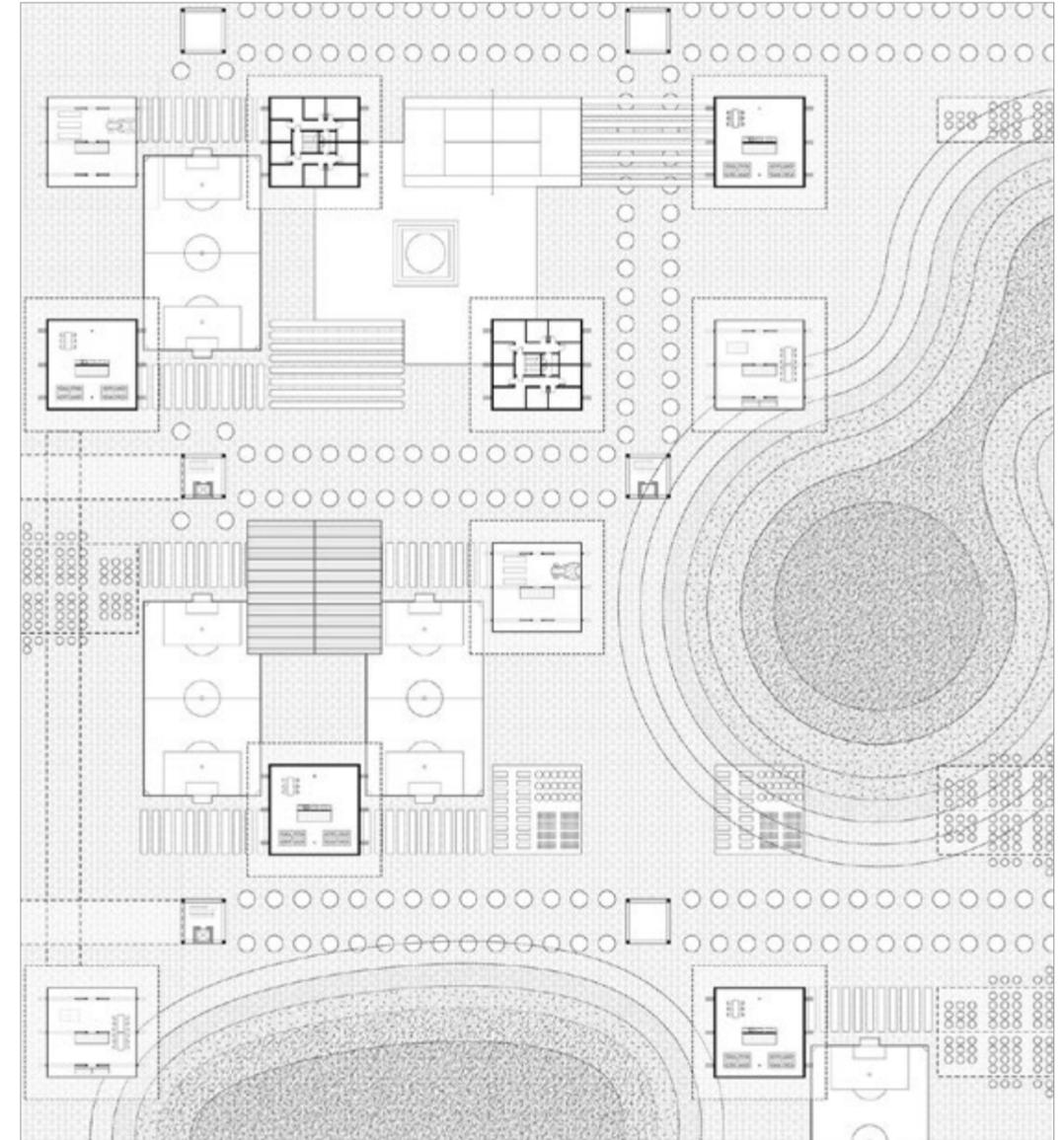
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TYPOLOGIES



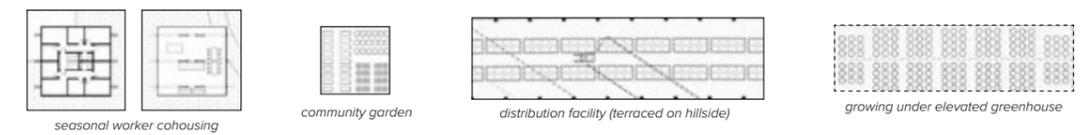
ZONE 2 (Central West)

Migrant and Seasonal Worker Co-Housing, Recreational Fields and Small-Scale Growing



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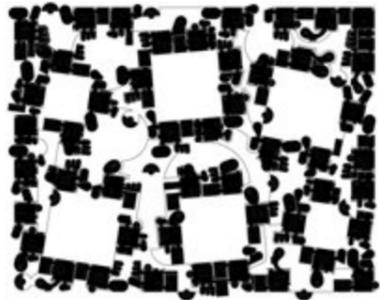
TYPOLOGIES



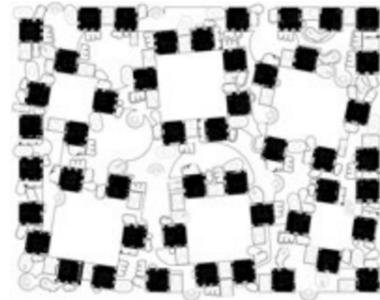
DEEP PLAN, THIN WALLS

A Loose Association of Rooms, South Bronx

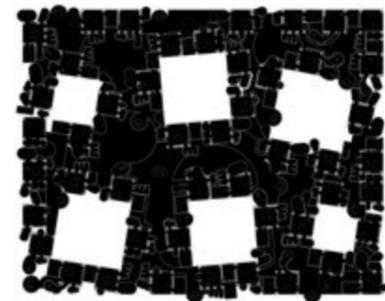
IN COLLABORATION WITH Abhinav Gupta // GSAPP CORE 3 // CRITIC: ERIC BUNGE



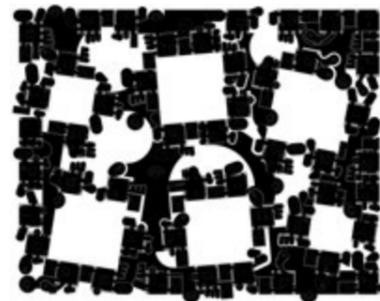
Private Interiors



Cores: Structure + Services

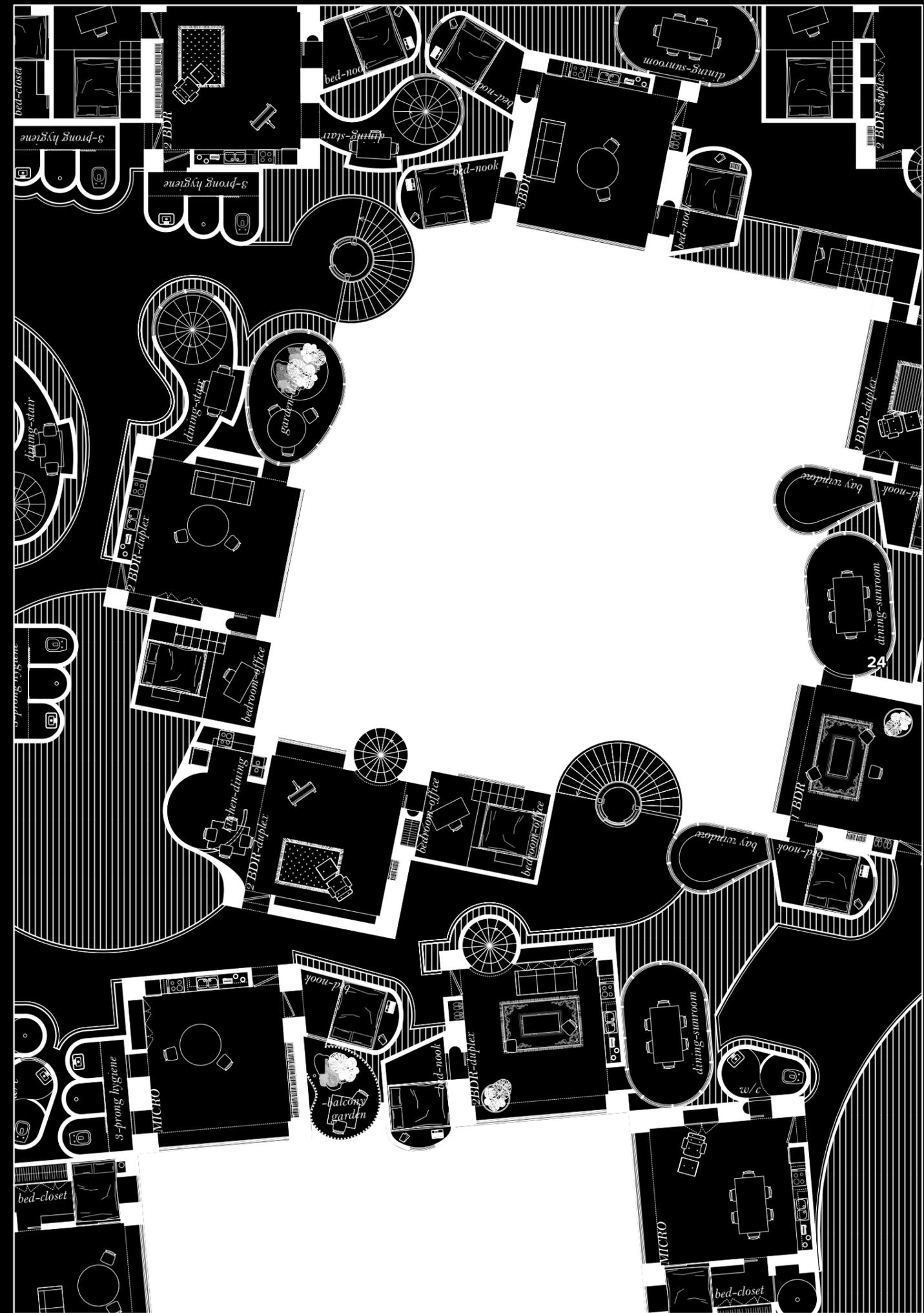


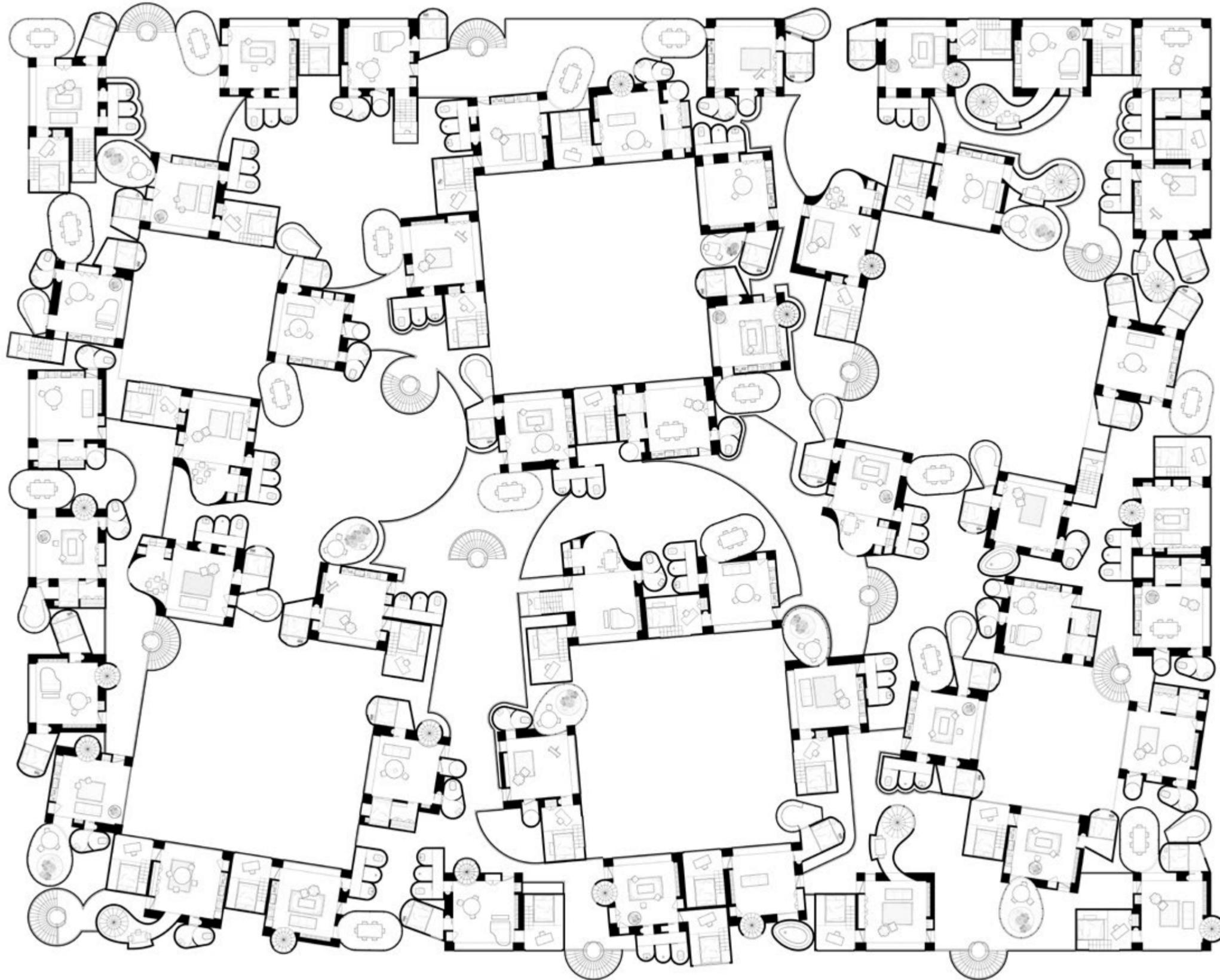
Courtyards



Voids

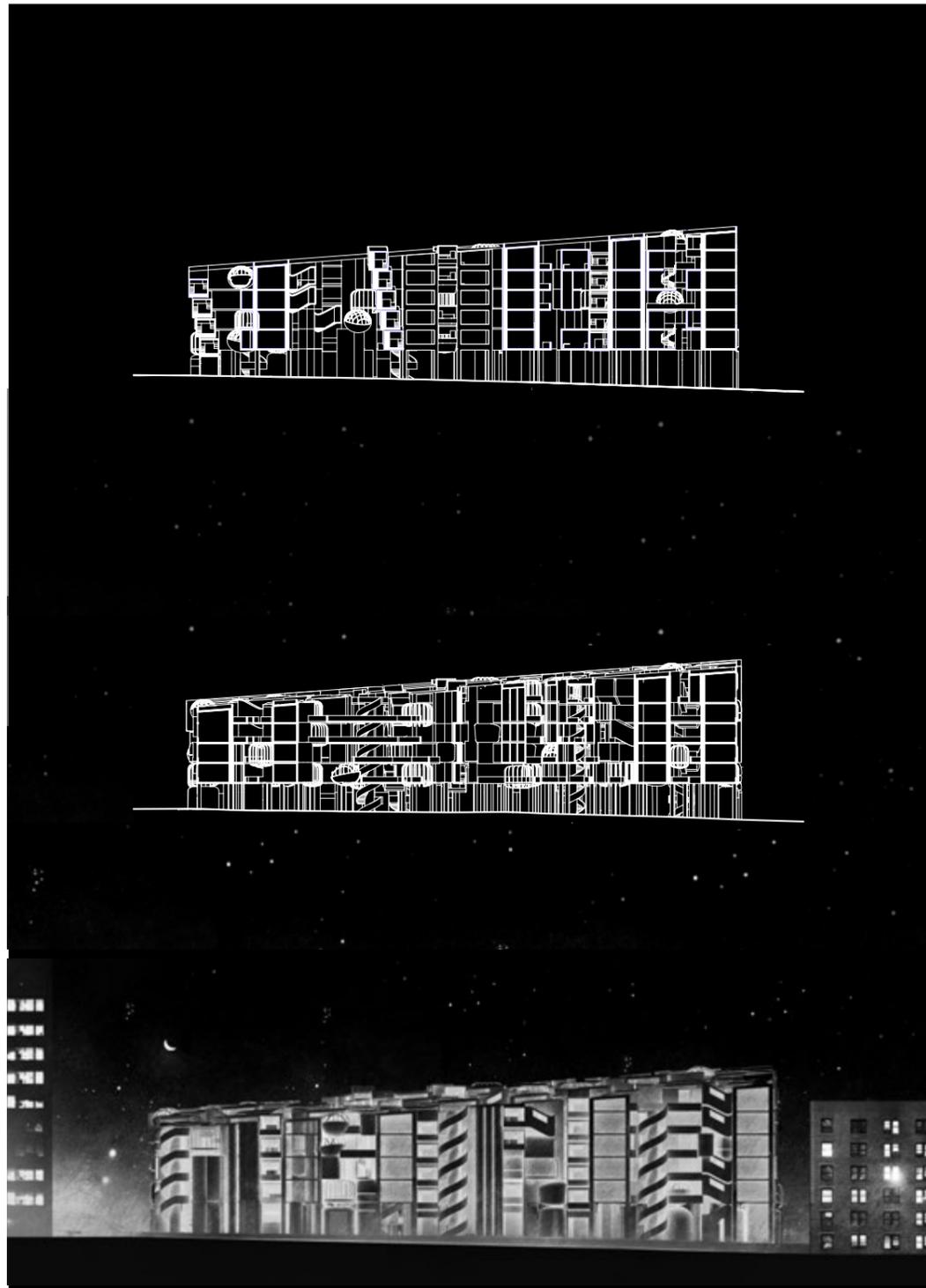
Seeing the negotiation between the individual and the collective as the basis for social living, this project is designed as a loose association of courtyards, dwellings, and interiors, providing for degrees of intimacy within shared spaces. The project is a typological hybrid: a cross between the courtyard building, mat-building, and a collection of residential towers. The unit is arranged around a central structural core, the generic, open-plan living room. It is the social space of the unit, a zone of negotiation for the beings and things dwelling within the apartment. Specific spaces, prefabricated plug-in rooms, cluster around the core. These rooms counter the paradigm of programmatic separation coinciding with built partitions. Rooms exist as hybrids, establishing intimate relationships between two or more domestic activities.





(A)typical Plan

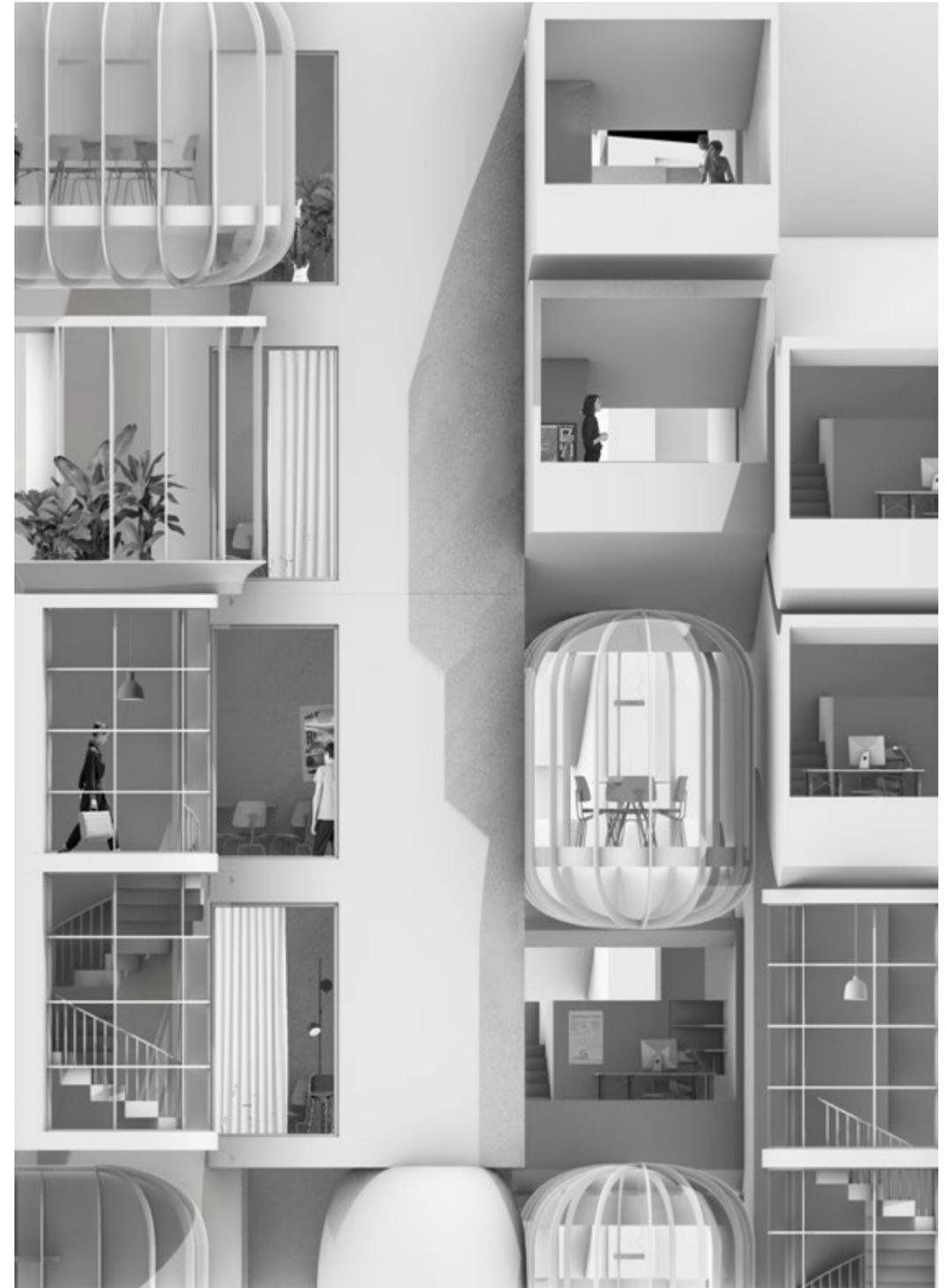
The project does not have a repeated, typical floorplan. Living room cores are fixed in their position allowing for peripheral rooms to be added as necessary. This permits a freely configurable plan, tailored to the needs of the unit.



The duality of generic and specific forms of apartments interiors, is mirrored in dual types of common spaces shared between apartments.



Sections, South Elevation



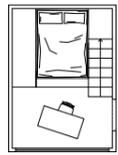
The Specific: The typical hidden duplication of housing units along party walls is jettisoned in favor of a type of voided-poche between units. Corridor-walkways weave between the irregular perimeters of units. Gaps between neighboring rooms allow for light, air and views to penetrate the levels of the building.

The Generic: Hard lines and strict boundaries are the result of social-formal negotiations. The bounds of common courtyards and a delimiting urban-edge perimeter define an ordered social interface of the project.

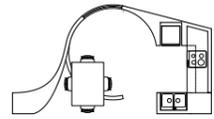
Elevation Fragment + Profiles



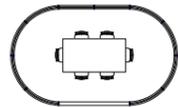
dining-growing



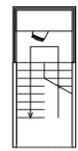
bed-office



kitchen-dining



dining-sunroom



stair-office



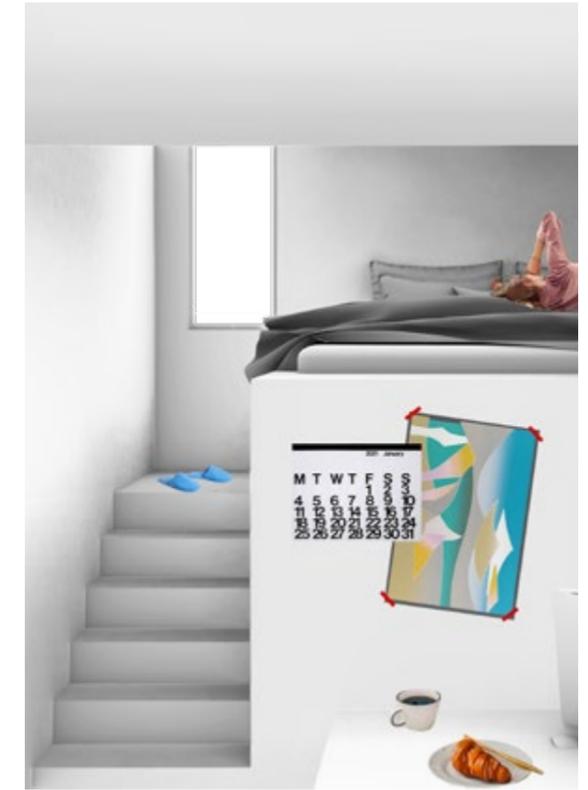
bed nook



dining-stair



bed-closet



bed-office



w/c



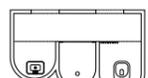
shower nook



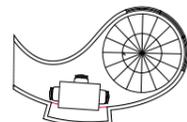
kitchen nook



stair nook



3-prong hygiene



dining-stair



bed-closet



bay window



kitchen-dining



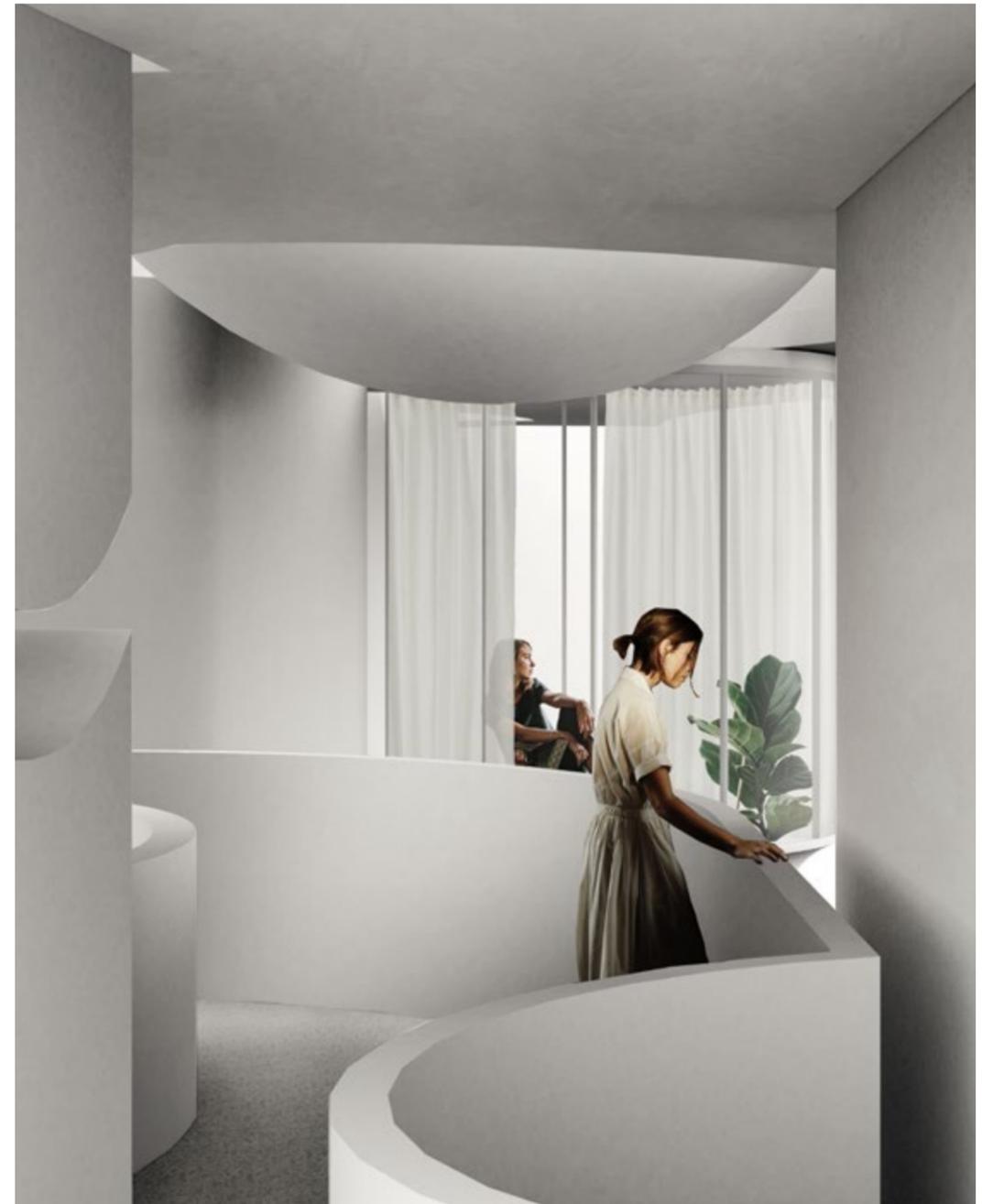
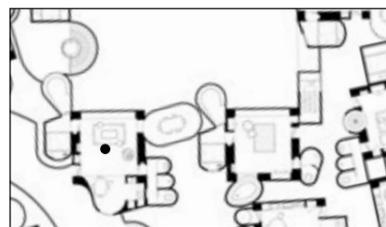
dining-sunroom



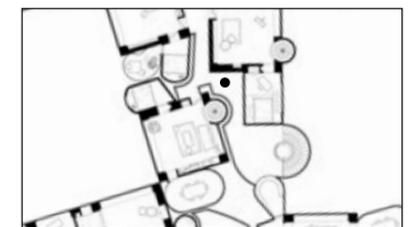
3-prong hygiene



Living-Room Core, Courtyard Commons



Walkways



ARCHIVE OF THE DECONTEXTUALIZED

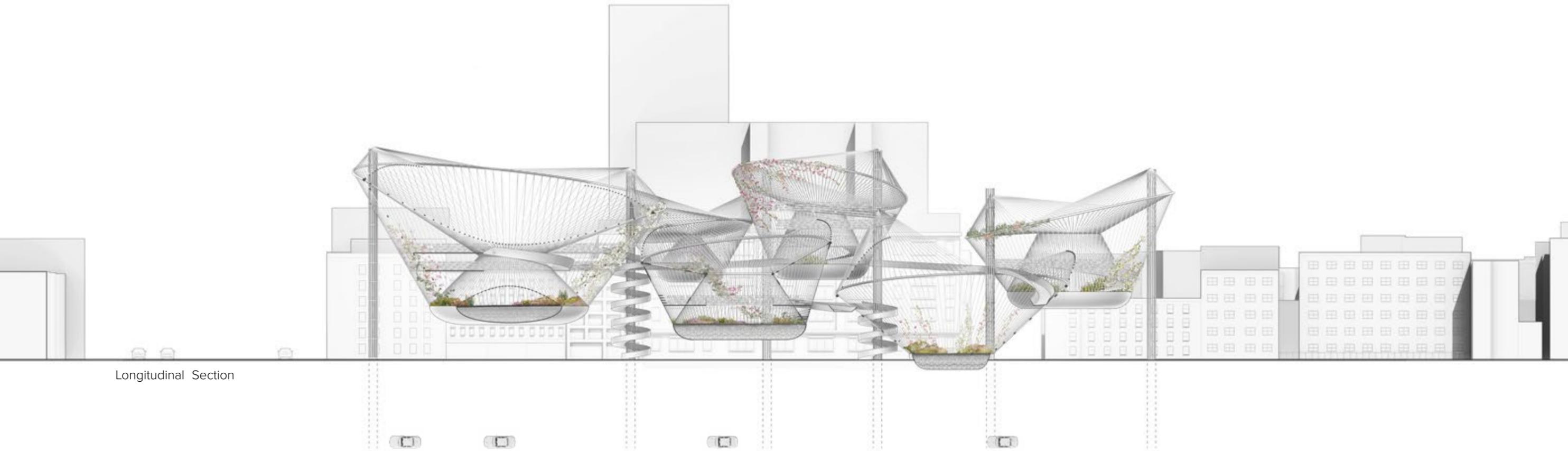
A Library, a Cemetery and Gardens for Sarah D. Roosevelt Park
COLUMBIA GSAPP SEMESTER II // CRITIC: KARLA ROTHSTEIN

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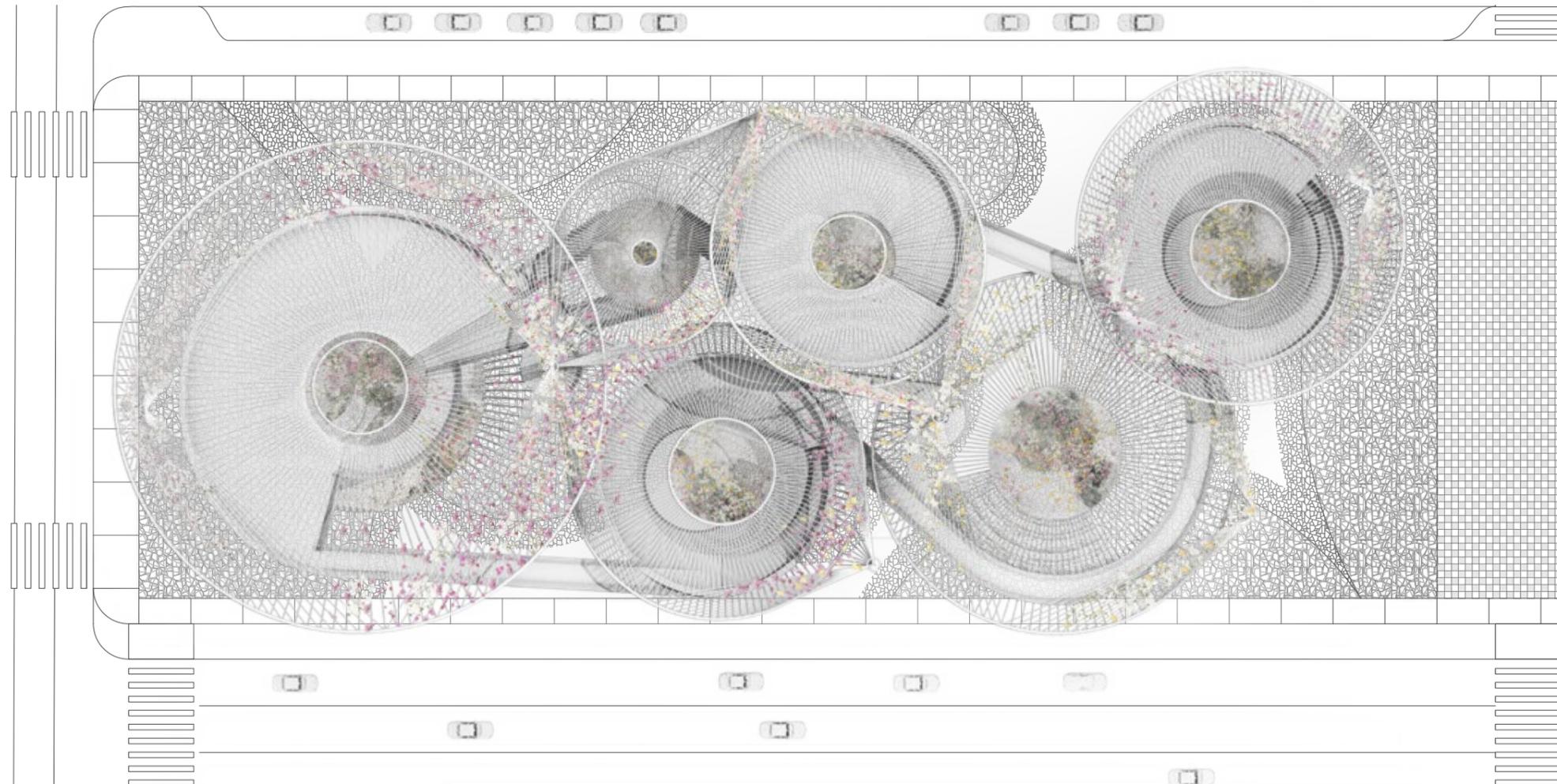
A COLLECTION OF GARDENS, BOOKS AND BODIES

The project proposes a library as an archive of the decontextualized: a collection of gardens, books and bodies, taken together as artifacts rendered illegible, denatured or dematerialized by the passage of time. Repetitive, filigree spaces interlace, pivot and accumulate to become both structure and skin, elevating and enclosing programmatic hybrids: garden, reading room, stack, auditorium, cemetery. .



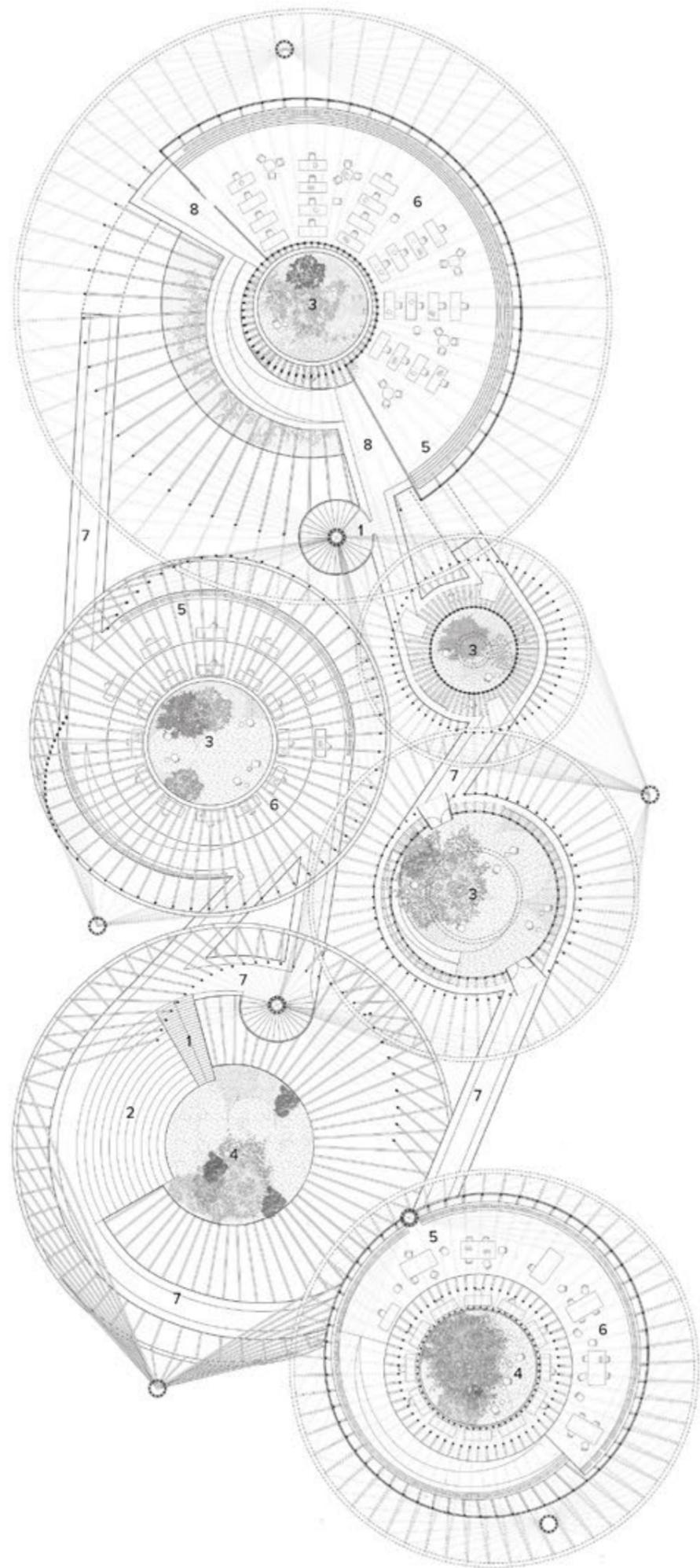
Longitudinal Section

Roof Plan

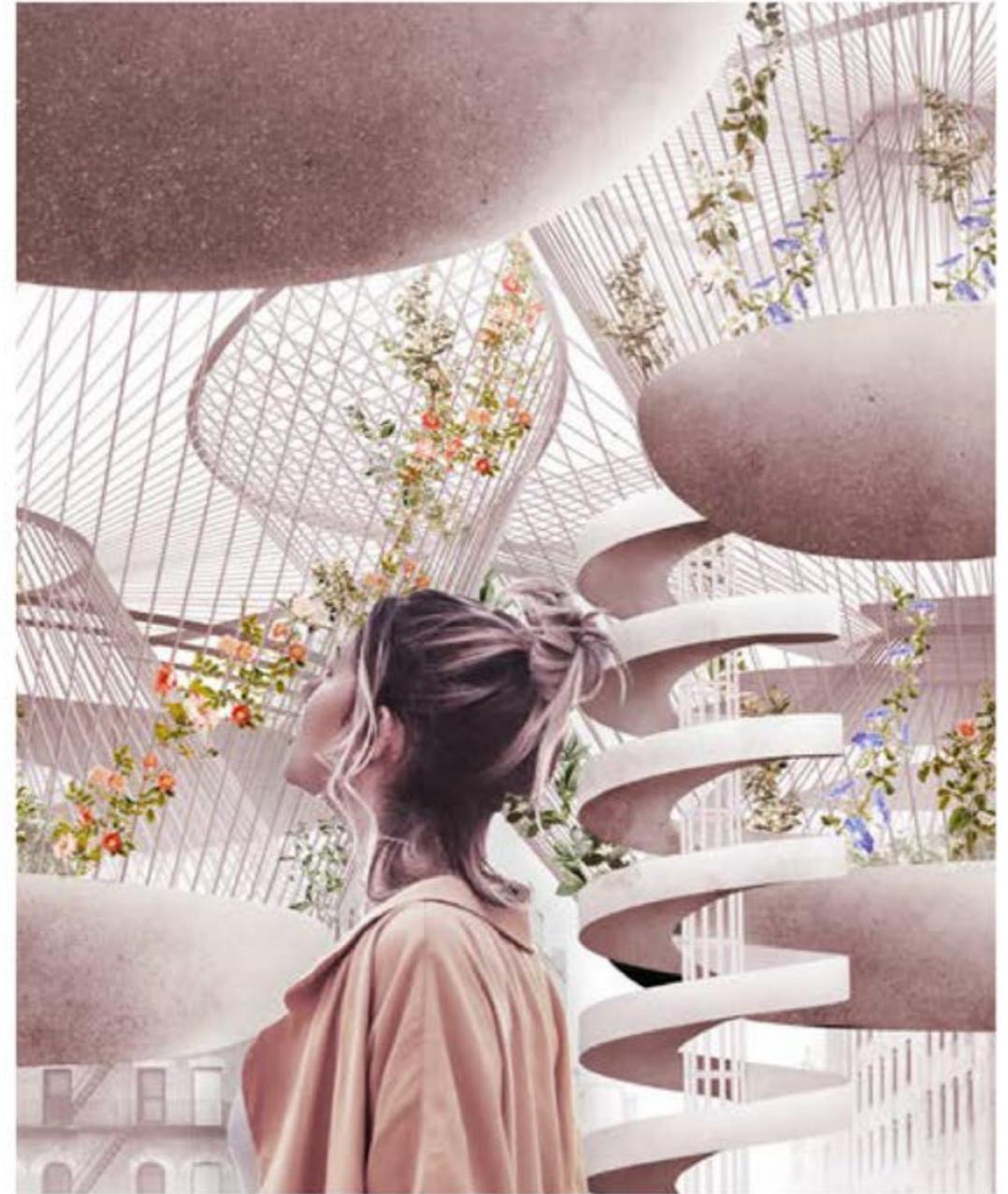


A HYBRID PUBLIC GARDEN

The project proposes a new form of public garden, a hybrid of a library/cemetery. Both typologies seen as variants of the archive. Thus in curating a collection of disparate and meaningful artifacts (be they books or bodies), the project makes room in the city for reflection, remembrance and learning.

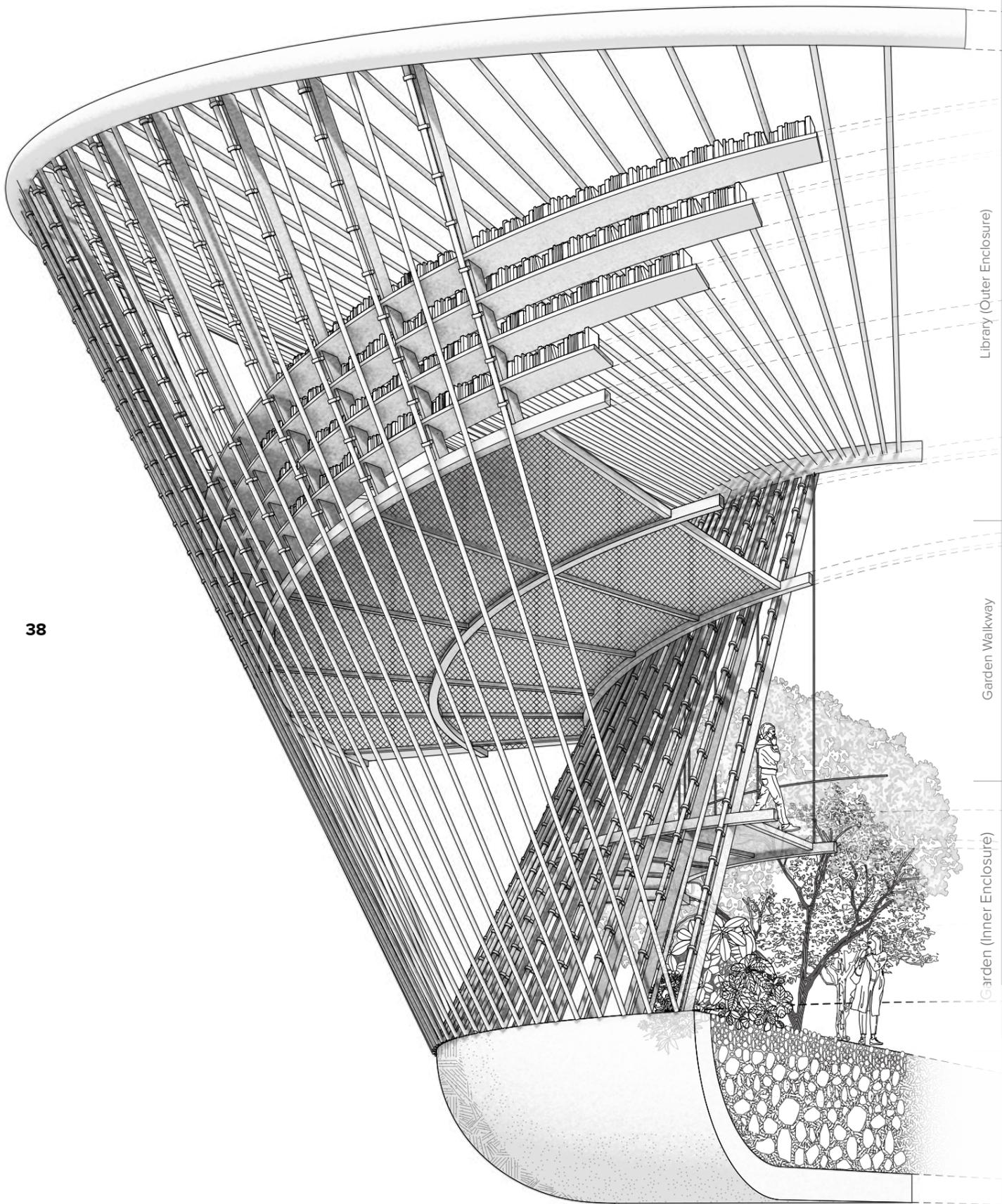


A New Ground:
Looking up from the Park



Floor Plan

- 1 entry
- 2 exterior auditorium
- 3 burial sites (gardens, enclosed)
- 4 burial site (gardens, open-air)
- 5 library stacks
- 6 study area/reading room
- 7 aerial catwalks
- 8 balcony



Constructing Spaces of Overlap:
Confounding Architectural Elements and Archival Content



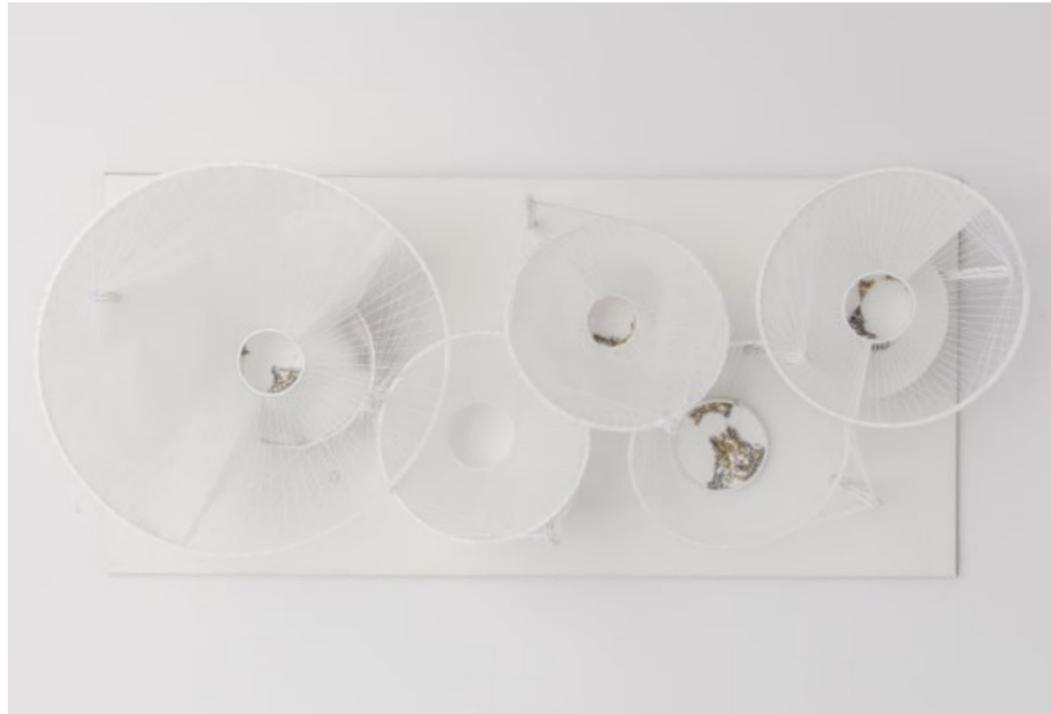
This project's spatial approach towards the display of artifacts (as body or as book) seeks to deny legible hierarchies, avoiding an aesthetic of facile pedagogic sequence, as well as eschewing the fetishized co-presence of collage. Instead, artifacts mimic architectural elements. Books, vines, flower beds and buried bodies perform in space much in the same way as cables, concrete, steel beams and mullions. Distinctions between content and structure dissolve. Elements are attenuated, multiplied, and accumulated in varying densities, coalescing to trace the contours of phantom spaces, which are at once material and intangible, intimate and disparate.



The exploratory model intends to study and modulate a material gradient, a continuous range of conditions associated with a singular material property. This investigation focuses on the material quality of diaphanousness. It is a material condition imbued with near impossible contradiction. As a condition at the border of the immaterial, the model explores a codependency of dissimulation and juxtaposition.



Enclosure is both literal and simulated. Strands simulate surface, tracing the contours of planes which interpenetrate, interweave and dissolve in ways physical enclosures cannot. They construct a dynamic field of relations, and yet they retain a unique autonomy as they form shifting constellations. A range of transparent enclosures structure and interrupt, deforming the continuous field of filament.



The study seeks to understand a range of enclosure conditions of the developing architectural project. Each suspended volume consists of two concentric layers enclosed by tensile cables, and in some instances enclosed by glass (rendered in translucent paper). Spaces in the project for a cemetery/library reside in the blurry area between line, surface and volume—exhibiting an array of nested relationships. Tensile cables assemble, contouring surfaces, which collide with each other in ways material planes cannot.

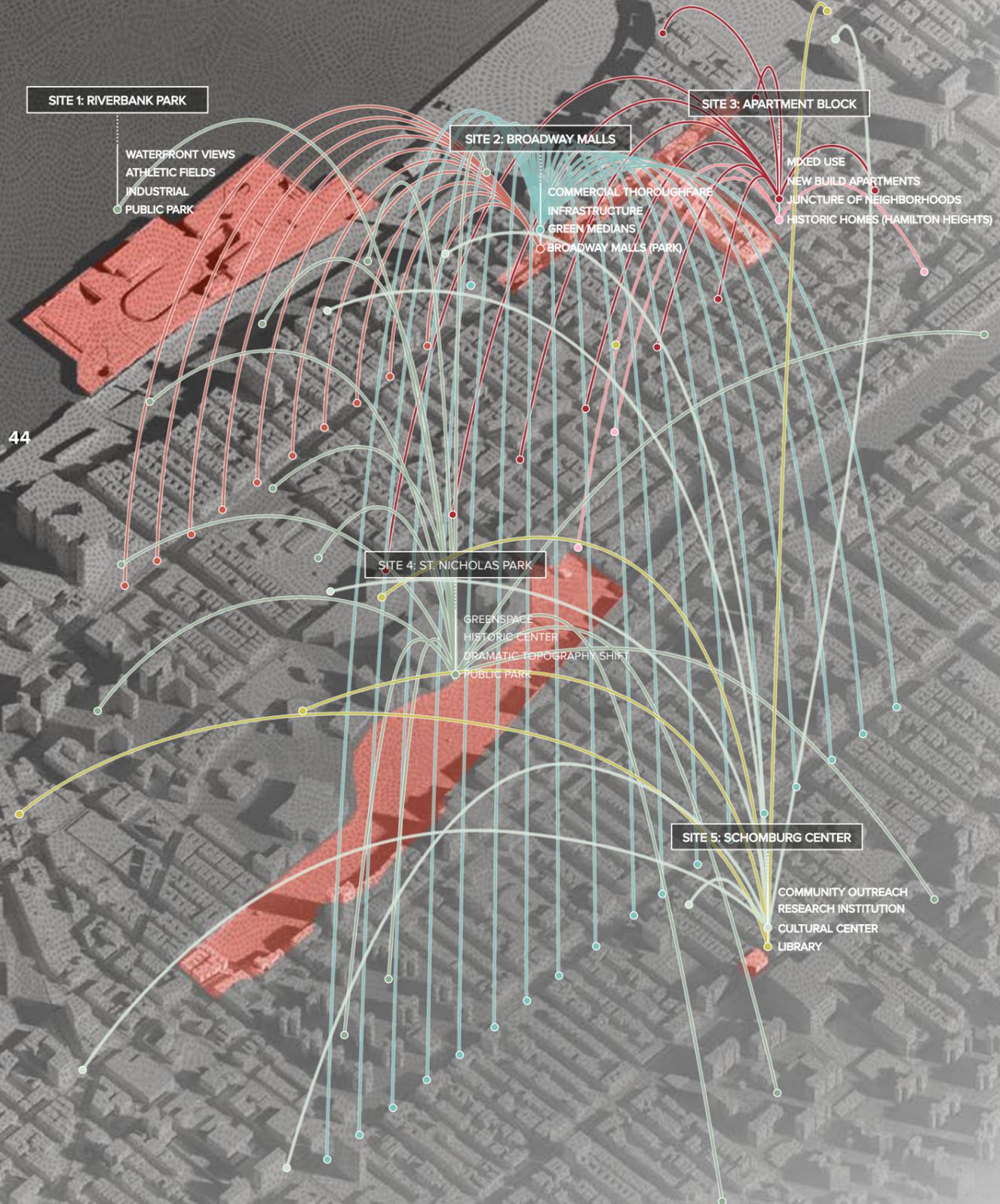


URBAN TRANSPLANTS

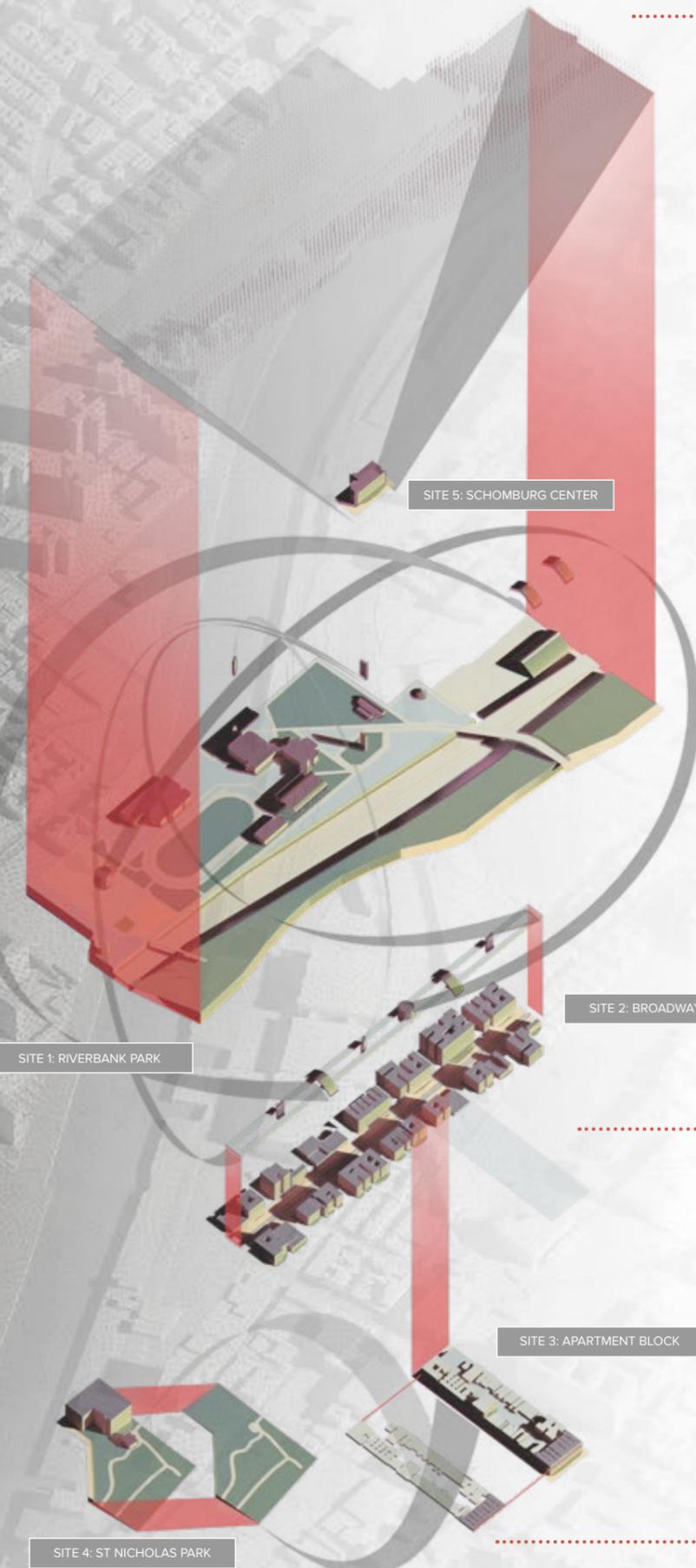
Staging urban interchanges

COLUMBIA GSAPP SEMESTER I // CRITIC AMINA BLACKSHER

The project consists of three interventions which sample, borrow, copy or relocate features (territory, rooms, elements) of sites emblematic of the surround neighborhoods. The neighborhoods of Harlem and Hamilton Heights lie on opposing sides of northern Manhattan. Though geographically joined, the neighboring areas are divided culturally and demographically. Taking this historical separation as a unique opportunity, the project's theoretical framing operates on the particular ability of these sites, characterized by deep local histories, to generate distinctive features. By means of a simple act of relocating, the project shares places that evoke deeply ingrained histories with nearby neighbors. The project aims to image how these copied fragments can be given new spatial functions and provided new types of public space.



OPERATIONS



Field of books from Schomburg Center blanket Riverbank Park

Industrial elements in Riverbank Park move between Broadway Malls

Natural elements from St. Nicholas Park moves to 3rd floor of an apartment block

INTERVENTION 1
Unlikely Neighbors

INTERVENTION 2
A Collage of Parks

INTERVENTION 3
Field Research



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DOUBLES, STAND-INS AND KNOCK-OFFS

The project, as a whole, can be seen as a catalog of recurring copied fragments. These displaced elements carry and leave traces of action, changing as they migrate to new sites and adapt to new functions. Each of the three urban interventions samples from the surrounding context, creating a dialog with a scattering of surrounding sites. However, the interventions also engaged with/amongst each other. The three projects share a set of elements, appearing in different permutations and configurations across the three sites. Imagined within the urban fabric, this collection of shared recurring elements hint at particular and difficult unity for the neighborhood.

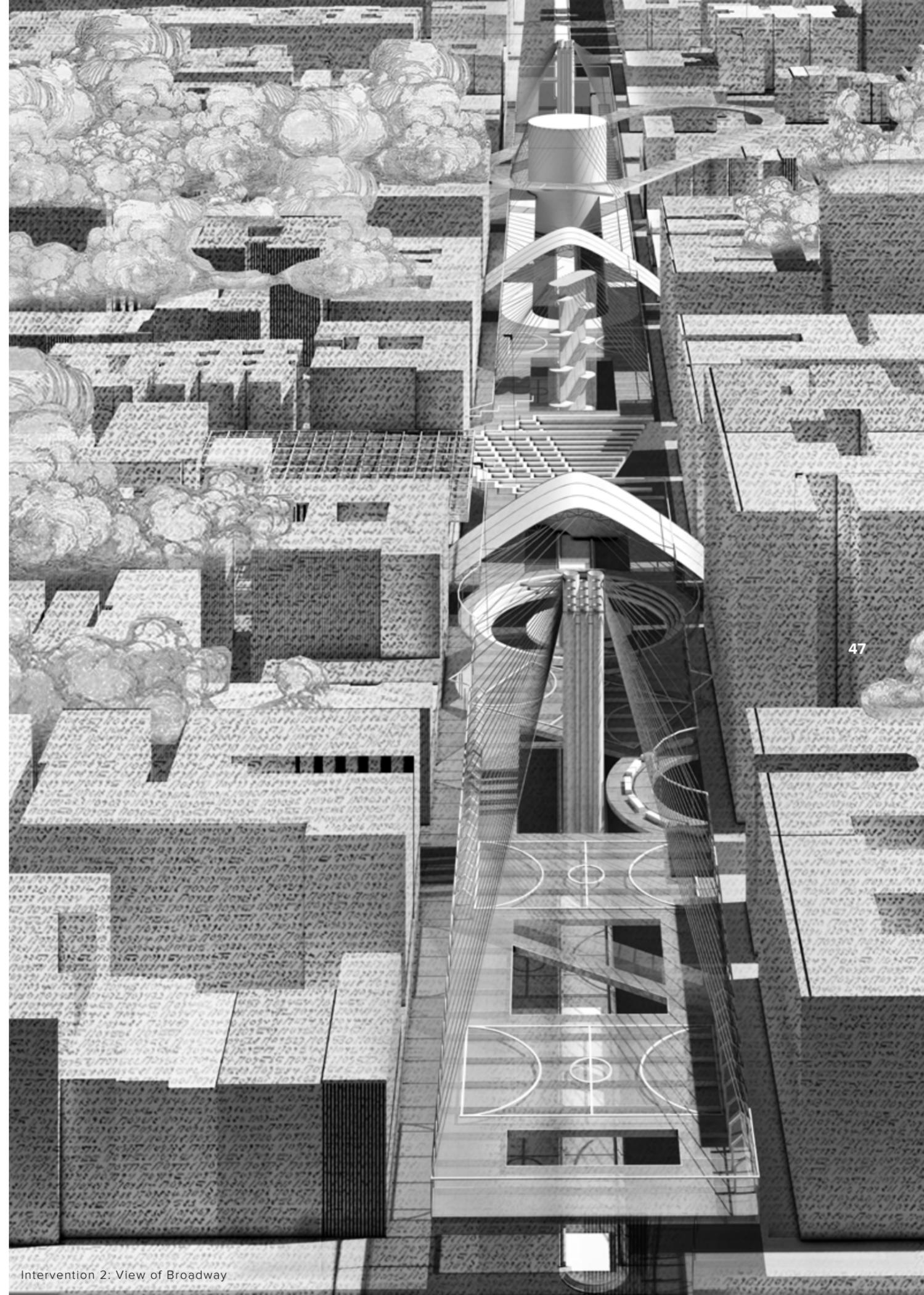
Vertical Circulation

Fields

Imprints

Park Elements

Amphitheater

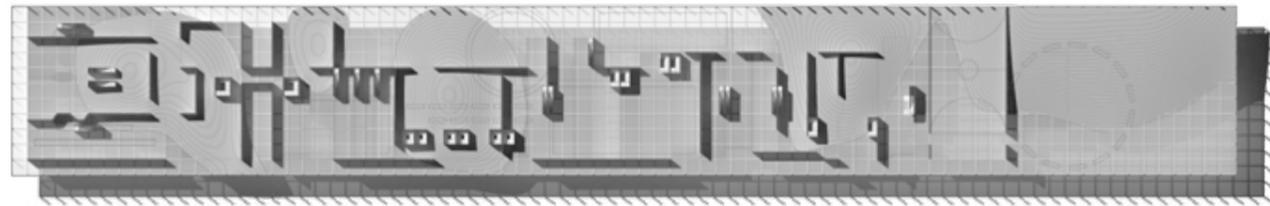


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Intervention 2: View of Broadway



1. Semi-private Community Park within a Historic Hamilton Heights Apartment Block



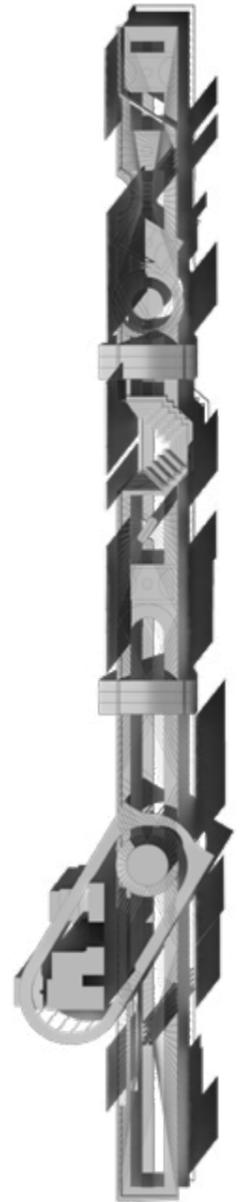
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3 SITES, 3 PROJECTS, 3 VIGNETTES

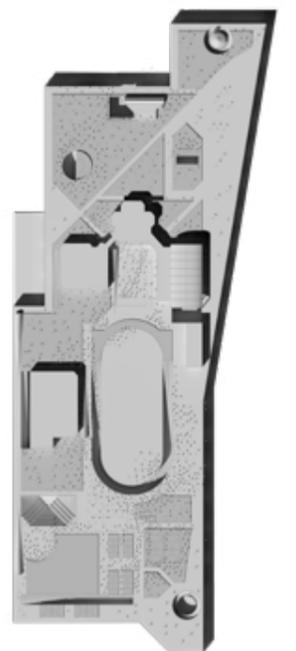
(1) Communal Residential Park within Hamilton Heights Apartment Block: The project envisions replacing the third story of a residential city block (149th-150th streets) with a continuous communal room. The residential park samples from the neighborhood's two most prominent parks (Riverbank, St. Nicholas Park). A series of copied recreational facilities and furnishings (tennis and basketball courts, benches and oversized communal tables), modifications of originals from Riverbank Park, spill into the space where the room meets the elevated platform-park (intervention 2). Additionally, the project takes the characteristic ground condition of St. Nicholas Park, a dramatic natural landscape of boulders and sinuous topographical curves, and inserts it into the continuous linear space. The new hybrid park is punctured by pre-existing individual stair cores, allowing individual access, and structured by fragments of interior walls, which testify to the block's mix of historic and contemporary architecture.

(2) Elevated Public Park over Broadway: The intervention copies the recreational facilities (basketball and tennis courts, swimming pool, running tracks, outdoor auditorium) of Riverbank Park and moves them to an elevated platform above Broadway. The intervention hovers above the roadway, wrapping around the existing Broadway Malls. The intervention make such facilities more accessible to the neighborhood, especially to a less-mobile aging population. The courts are reshuffled along the thin linear platform, squeezing to fit themselves into the urban fabric. The wrapping, twisting and turning of elements create a series of shifting oblique views towards the city and coastline. Punctual infrastructure elements taken from Riverbank Park double function as structural members, acting as piers from which to suspend the platform.

(3) Outdoor Library, Riverbank Park: The intervention reimagines the library stack as a dispersed, undulating field of individual display cases. As this network of punctual transparent cases move into the park, they cluster and disperse around the existing path system. At present, the park exists only as thin surface plane, hiding infrastructural functions beneath. The intervention purposes, wherever elements (courts, fields, infrastructure, etc) are copied or taken from the park, to mark the territory of loss with a connecting void, gong space for skylights and vertical circulation to a new lower level.



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3. Outdoor Library, Riverbank Park