

1	to Make :	a	: to carry out (an action indicated or implied by the object)
a		make war	
: to brir		speech	
		detour	
b			: to perform with a bodily movement
: to lay	COLUMBIA GSAPP PORTFOLIO		make a sweeping gesture
make a	ASHLEY BROYLES		8
	MS.AAD 2026		: to frame or formulate in the mind
			make plans
c		9	
: compose, write		a	: to set in order
make verses			make beds
		b	: prepare, fix
2			make dinner
: to put together from components : constitute		c	
houses made of stone			: to assemble and set alight the materials for (a fire)
		d	
3			: to shuffle (a deck of cards) in preparation for dealing
a		10	
: to cause to happen to or be experienced by someone		a	: to amount to in significance
made trouble for us			makes a great difference
		b	
b			: to count as
: to cause to exist, occur, or appear : create			that makes the third time you've said it
make a disturbance		c	
			: to form the essential being of
c			clothes make the man
: to favor the growth or occurrence of		d	
haste makes waste			: to form by an assembling of individuals
d			make a quorum
: to fit, intend, or destine by or as if by creating		11	
was made to be an actor		a	: to be or be capable of being changed or fashioned into
4			rags make the best paper
a		b	
: enact, establish			: to develop into
make laws			she will make a fine judge
		c	
b			: form sense 6b
: to execute (see execute sense 2) in an appropriate manner		12	
make a will		a	: reach, attain
			made port before the storm
c			—often used with it
: set, name			you'll never make it that far
make a price		b	
			: to gain a place on or in
5			make the team
a			the story made the papers
: to cause to be or become		c	
made them happy			
makes it possible			
b			
: appoint			
made him bishop			
6			
: to cause to act in a certain way : compel			
make her give it back			
7			

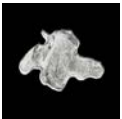
	: to gain the rank of		: to compute or estimate to be
make major			I make it 23 miles to the border from here.
d		b	
: to succeed in providing or obtaining			: to form and hold in the mind
make bail			make no doubt of it
13		21	
: to gain (something, such as money) by working, trading, or		a	
dealing			: to begin or seem to begin (an action)
make a living			made to go
14		b	
a			obsolete : behave, act
: to act so as to earn or acquire		22	
makes friends easily		a	
makes poor grades			: to fulfill (a contract) in a card game
b		b	
: to score in a game or sport			: to win a trick (see trick entry 1 sense 4) with (a card)
make a field goal		23	
make a birdie			: to prepare (hay) by cutting, drying, and storing
c		24	
: to convert (a split) into a spare in bowling		a	
d			: to cause (an electric circuit) to be completed
: to succeed in holing		b	
make a putt			chiefly dialectal : shut
15			... the doors are made against you.
a			—William Shakespeare
: to conclude as to the nature or meaning of something		25	
what do you make of this development?			: to persuade to consent to sexual intercourse : seduce
b			intransitive verb
: to regard as being			
not the fool some make him		1	
16			: to have considerable effect
a			courtesy makes for safer driving
: to produce as a result of action, effort, or behavior with		2	
respect to something			: set out, head
make a mess of the job			made after the fox
tried to make a thorough job of it			made straight for home
b		3	
archaic : to turn into another language by translation		a	
17			: to begin or seem to begin a certain action
a			made as though to hand it to me
: to include in a route or itinerary		b	
make New York on the return trip			: to act so as to be or to seem to be
—often used with it			make merry
make it to the party		c	
b			: behave, act
: catch sense 6b			Don't make as if you didn't hear me.
made the bus just in time		d	
18			slang : to play a part —usually used with like
: to cause or assure the success or prosperity of			make like a chicken
can either make you or break you		4	
19			: to increase in height or size
: to provide the most enjoyable or satisfying experience of			the tide is making now
meeting the star of the show really made our day		5	
20			: to reach or extend in a certain direction
a			The forest makes up nearly to the snow line.

WHAT HAPPENS WHEN YOU SPEND A YEAR MAKING?

This portfolio is a homage and a repository of the tangible and intangible things produced throughout the AAD program at GSAPP. I discovered that making is both infuriating and equally liberating. To physically produce is to feel satisfaction that a beautiful drawing on a screen often lacks.

It was odd, to find that thread through both electives and studio classes, was that of making. Of course not a surprise in the digital sense, as that was always a given. Rather, the denouement of modeling alongside these drawings, making the dreamlike into the practical; where the line between the two was crossed. It was unexpected, but not unwelcome. Alongside the pedagogical and theoretical discourse at GSAPP, there is also a strong foundation for the physical creation. Analog exists tangentially to the digital, intertwining at moments and splitting where necessary. Both inform and support the other, and I find that is intrinsic to my work here at GSAPP and the exploration throughout each semester as this notion fully formed in my own mind.

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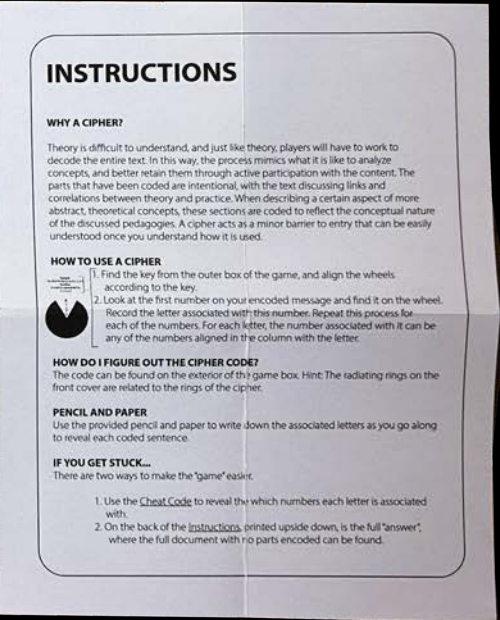
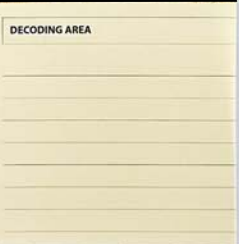
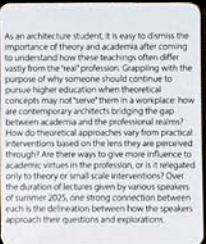
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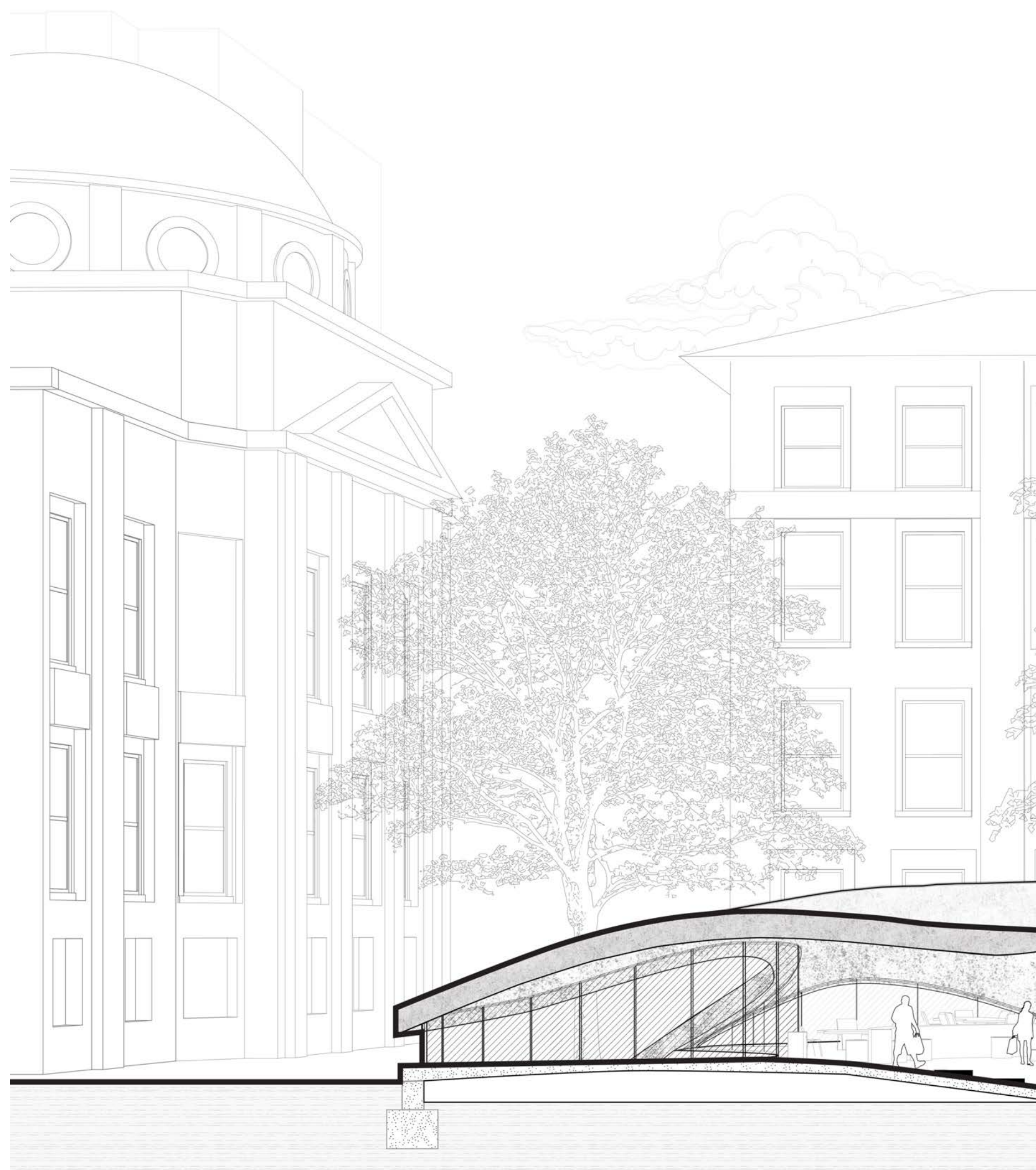
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Group Work

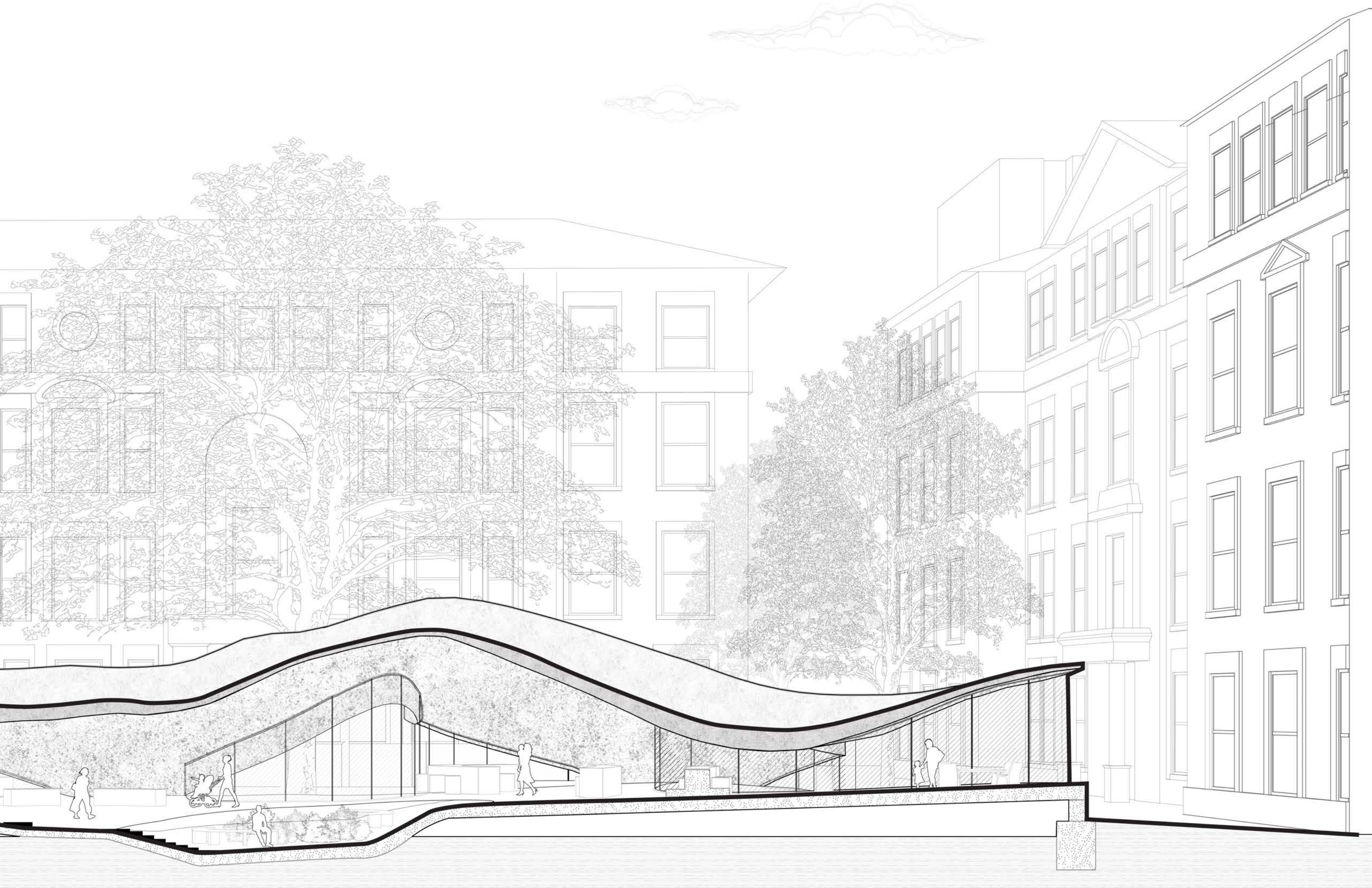


A SCHOOL FOR COLLABORATION:
PUSH AND PULL

SPRING 2026 - TEZUKA STUDIO

What happens when an educational pedagogy is integrated into every aspect of design? By utilizing the Harkness method for cross collaborative environments, this school utilizes flexible open spaces for gathering; reintroducing the concept of recess and play across all age groups. The natural environment and treescape are also vital to the design, creating opportunities for continuation of classrooms to the exterior as an extension from roof to canopy. A blend of optic fibers and concrete acts as material for the entire roof, providing a translucent quality which scatters light throughout the interior. Opacity of the fiber optic concrete decreases where there are larger spans, allowing light to penetrate deeper into the floorplate over central gathering spaces while maintaining purity of form.

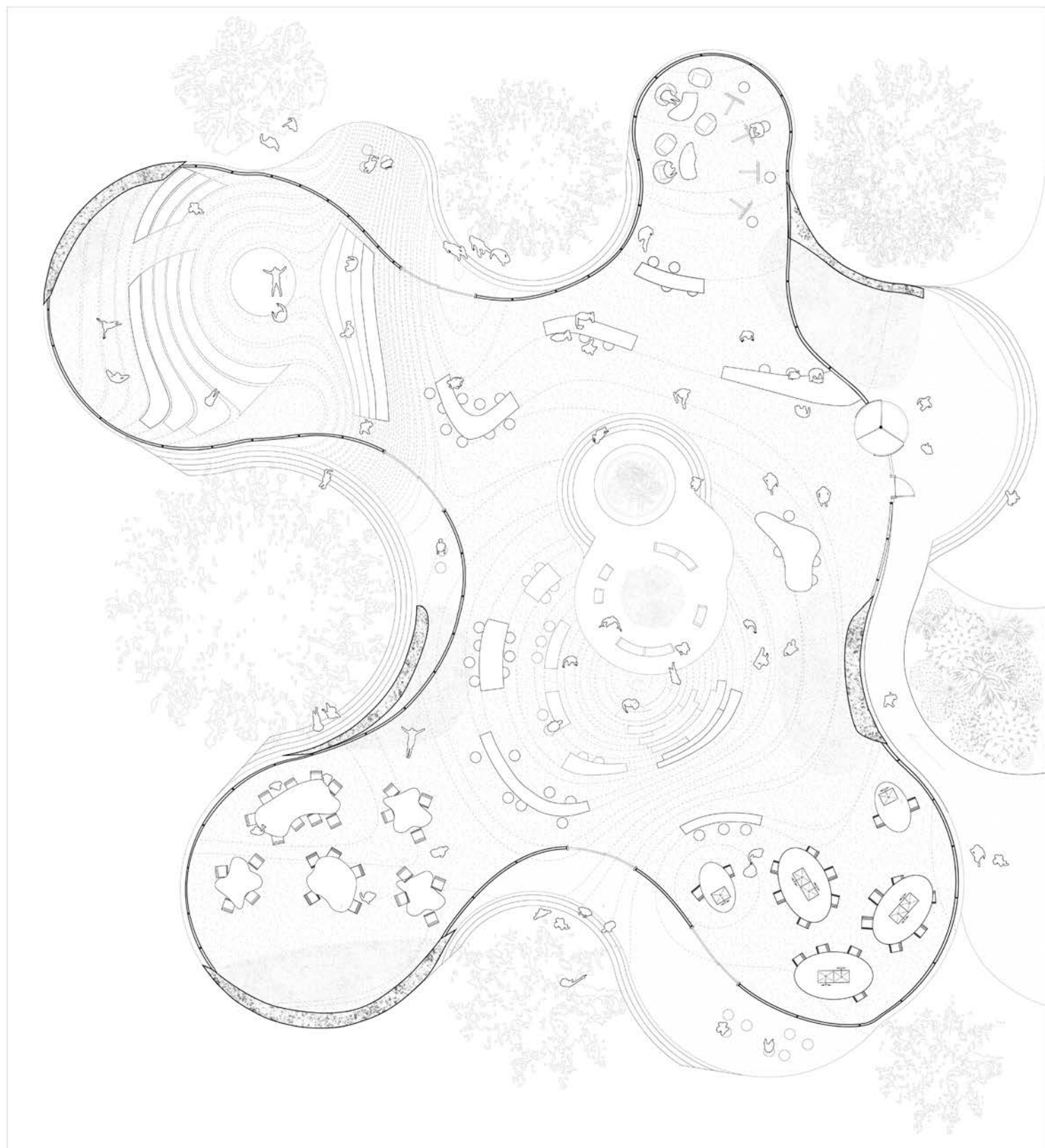












On the interior, spaces also rise and fall based on intended uses, informed through a responsive floor plate topography that engages with the roof to create private spaces throughout the open floor plan. Contour lines created from the natural slope of the floor dictate space planning and usage, guiding classroom size and shape. With the roof and floor in constant play with each other, reacting to interior space as well as the nature around the building, this provides the school with a dynamic and adaptable environment for students at all age levels. The resultant form of the school provides a launching point for a new educational perspective to bolster students' education, and redefine what it means for a space to become a classroom.

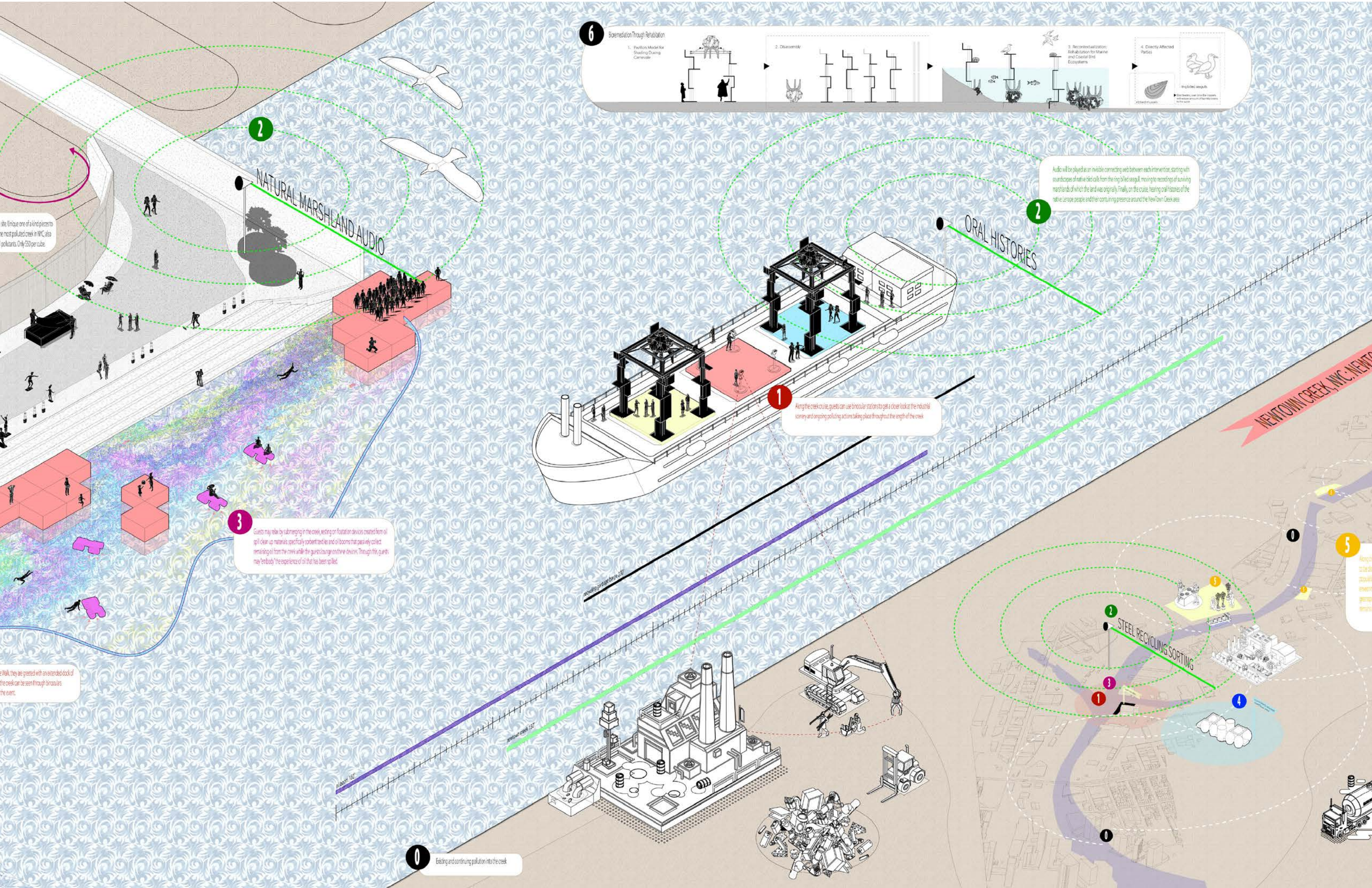


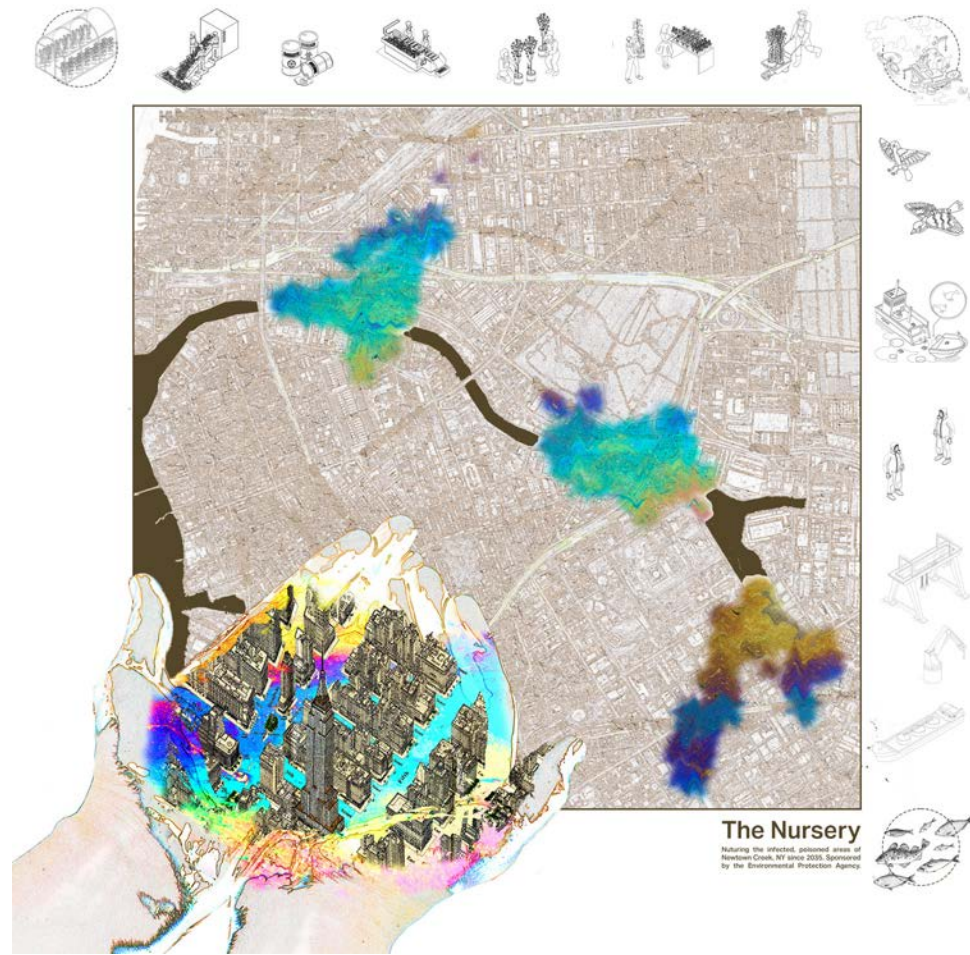
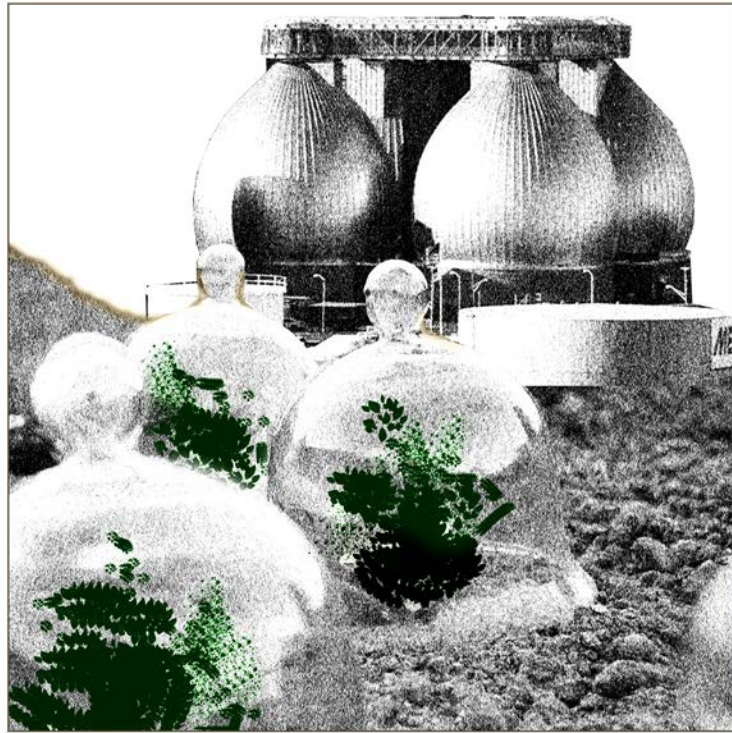
SENSORIUM CARNEVALE: THE 5
SENSES OF POLLUTION, AN ALTERED
BIOREMEDIATION

SUMMER 2025 - APOCALYPSE
ECSTASY - URIEL FOGUE

Welcome to the Sensorium Carnevale, where throughout this experience, guests can embody the visible and invisible pollutants of Newtown Creek. Taking place at the Newtown Creek Nature Walk, guests of the Carnevale will experience what it is like to take an active role in a toxic environment through the five senses: **SMELL:** Guests must don Hazmat Suit “costumes” infused with lemon scents reminiscent of cleaning products to safely enjoy the full Sensorium experience. **SOUND:** Existing soundscapes of the Creek such as the active steel recycling plant across the bank can be heard during the duration of the event, coupled with speakers broadcasting oral histories of native Lenape communities. **SIGHT:** Compacted trash blocks will be utilized to extend the nature walk farther into the creek and accommodate for the increased foot traffic. In addition, bioremediation efforts from pavilions turn into rehabilitation structures for filter feeding mussels when the festival is not occurring, which will decrease toxic chemicals in the water over time. **TOUCH:** Guests may submerge themselves into the polluted creekwater by relaxing on floats made from oil sorbent materials with a perimeter oil containment boom where guests can “embody” the experience of petroleum in an oil spill. **TASTE:** Coasting along the river on a sightseeing cruise to observe factories that are still contributing to the pollution today; stops will be made at community initiatives for gardens and greenspaces, where guests can try produce grown from contaminated soils.







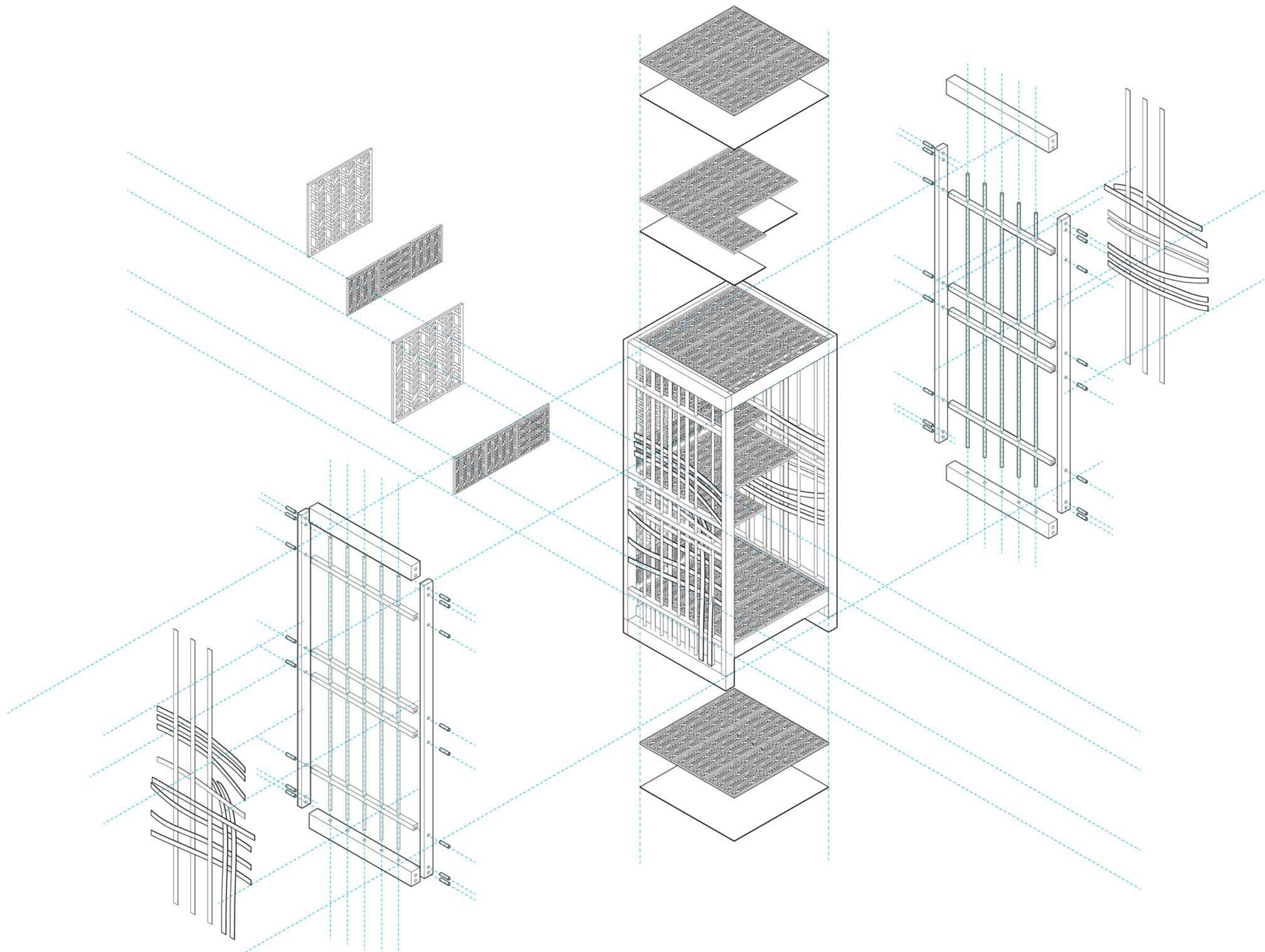
1:1 FABRICATION

SPRING 2026 -
ZACHARY MULITAUAOPELE

The final design of the class was created from the beginnings of a wall component, being interested in wooden joinery techniques and curved elements weaving through for bracing. The design is based on abstraction and acts more as a skeletal representation of the wall than providing a full robust section. This wall was then duplicated and spanning elements of acrylic were implemented to create a practical final outcome that can be used. The entire form is nail free, utilizing wooden dowel connections, and the wood frame is mainly made up of scrap wood. This final product worked with many different fabrication methods, using the wood shop, and lasercutting machines mainly for the frame and the acrylic. As a thesis of exploring fabrication methods, this was successful in expanding our knowledge of wood joinery assemblies and the practicalities from modeling in the digital space into a tangible, full scale final project.

PARTNER:
IOULITA ATHANASOPOLOU





SEED BOMBS: ECOLOGIES OF DESIRE

FALL 2025 - EMILY BAUER

This float will attempt to uphold and foster a resilient environment through regenerative ecosystem goals to restore natural saltmarsh locales with *Zostera* Seagrass, which aids with sediment deposition, substrate stabilization, and can act as a nursery for a multitude of vital fish and shellfish present in the river. The grass will provide a habitat for the Lined Seahorse during the summer months, and hollowed gourds can provide nesting spaces for native bird species, such as the spotted sandpiper. The float acts as a boon for species at risk from removal of the natural shoreline of the area due to human intervention. By mainly utilizing materials such as cork, dried gourds, balsa wood, to equally support plant and aquatic life, this float will act as a remediation tool to the inlet, providing spaces to restart marshland growth and absorb latent nitrogen and phosphate. The materials are intentionally chosen to degrade over time, with the float dissolving once it has been able to regrow the initial start of the local flora and fauna that are vital to lessening pollution of the waters at the inlet. The launching of this project into the inlet ultimately aligns with the goals of the FBIP in its desire to create community engagement and restorative processes of the shoreline, also aligning with current efforts to remarshal the inlet through aquatic plant species. In addition, the float encourages ideals of remediation and concepts pushed by efforts to save the inlet from rezoning and attempts to counteract parties that deem the space as nonessential.

PARTNER:
YANENOWI LOGAN

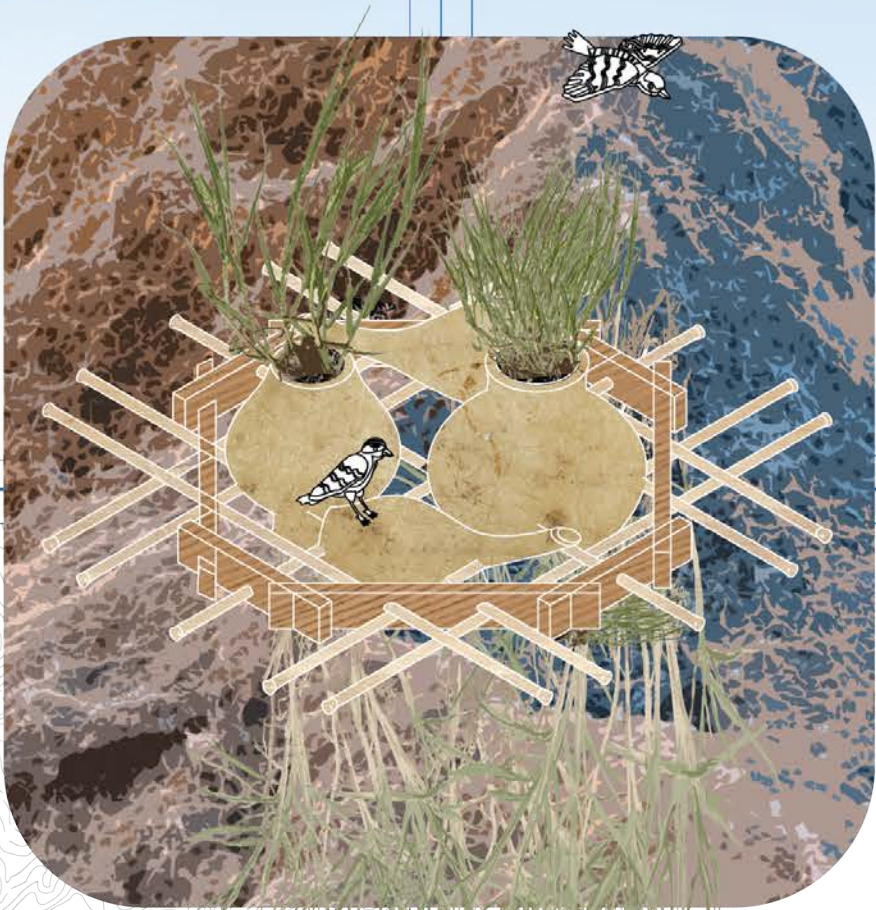




SYSTEMS DIAGRAM

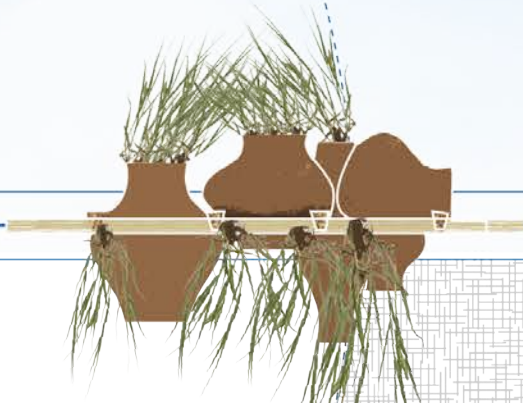
- + ENGAGEMENT WITH COMMUNITY AND NATIVE PRACTICES
- + Easily assembled with simple materials
- + Local connections to history and native practices of the Shinnecock Nation on Long Island
- + COASTLINE RESILIENCE
- + Use of natural materials: wood, jute, clay, gourds
- + Provides platform for saltmarsh propagation
- + Decreases weathering effect on shore from waves by acting as a buffer
- + BIOREMEDIATIVE DEGRADATION
- + All materials are recyclable and will weather over the course of one year
- + Aquatic life mating season follows the natural lifecycle of the float without habitat loss

BIOREMEDIATIVE DEGRADATION



COMMUNITY ENGAGEMENT | NATIVE PRACTICES

- + spotted sandpiper nesting
- + dried gourds
- + wooden dowels
- + clay ball substrate
- + jute twine



+ native ringed seahorse habitat

+ carbon sequestration

+ degraded parts act as mussel structures

WILDLIFE AND AQUATIC REMEDIATION

+ erosion prevention

+ seagrass nursery

COASTLINE RESILIENCY AND MATERIALITY

Materials are sourced from the Native Shinnecock Tribe to allow for a local and sustainable way to continue the construction of more oats in the future. All materials are biodegradable and the oat aims to degrade over the course of one year, giving new opportunities for the community to recreate the oats together and propagate the units as need be.

The float is readily adaptable to different shoreline environments, and can form multiple aggregations based on space restrictions. The hexagonal frame allows for diagonal and square connections, offering increased flexibility for deployment. While the design was created for saltmarsh propagation, it is still useful for aquatic rehabilitation for native fish, seahorse, and crabs in other contexts.

ECOLOGY PALETTE

SECONDARY SPECIES AFFECTED:



blue crab
callinectes sapidus
- benefits from saltmarsh remediation



striped bass
morone saxatilis
- predator for manhaden

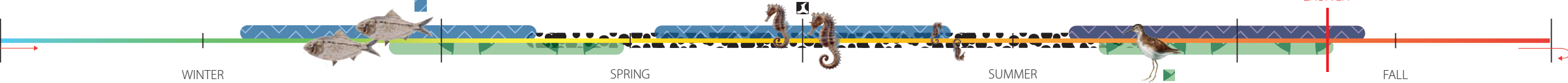


oyster drills
munidae
- lives in saltmarsh beds
- prey of blue crabs



eastern oysters
crassostrea virginica
- public oyster rehabilitation projects draw oysters to the area

YEAR PROJECTION TIMELINE- SPECIES AFFECTED



SALT MARSH : Species Identification

atlantic menhaden

brevortia tyrannus

- + season: all year
- + habitat: bays, inlets, and brackish estuaries
- + predators: striped bass
- + diet: algae, plankton
- + benefits: invites biodiversity, acts as filter feeders



ribbed seahorse

hippocampus erectus

- + season: summer
- + habitat: shallow areas near the shore near plants/algae, human-made structures, and oyster reefs
- + diet: crustaceans, phytoplankton
- + benefits: significant indicator of improving water quality and overall ecological health



spotted sandpiper

actitis macularius

- + season: spring-fall
- + habitat: pebbly lake shores, ponds, streamsides; in winter, also seashores.
- + diet: insects, crustaceans, other invertebrates
- + benefits: controls pest population



COASTAL HABITAT : Plant Identification

Cordgrass - Saltmarsh

Spartina

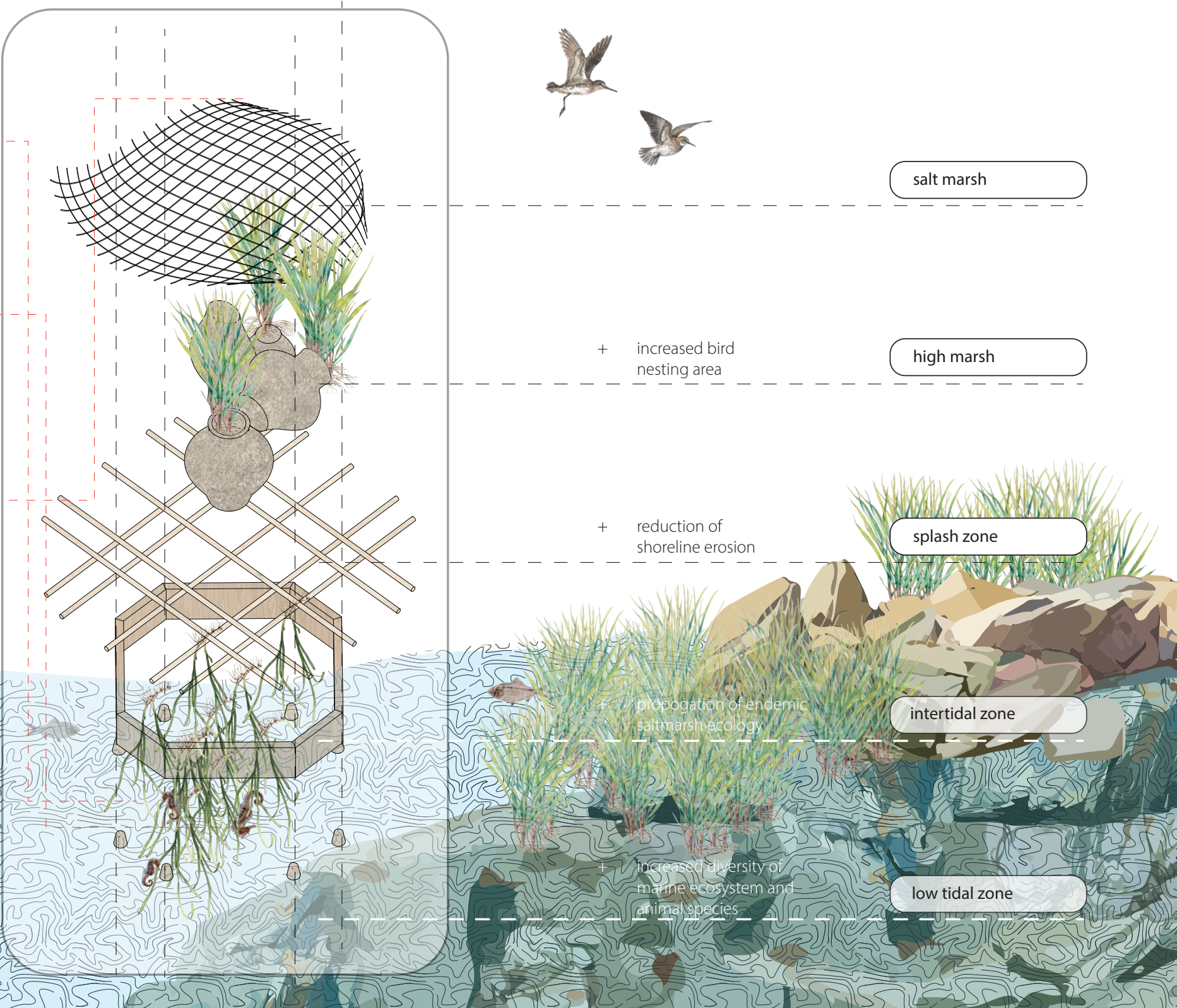
- + habitat: grows at the edges of swift channels and wide bays
- + benefits: erosion prevention in tidal areas, propogation for further habitat, acts as food source



Seagrass - Aquatic Foodsource and Habitat

zostera marina (common eelgrass)

- + habitat: underwater meadows in shallow, soft-sediment coastal habitats like bays, estuaries, and lagoons
- + benefits: acts as habitat and food source, aids in removing pollution from the water, reduces coastal erosion



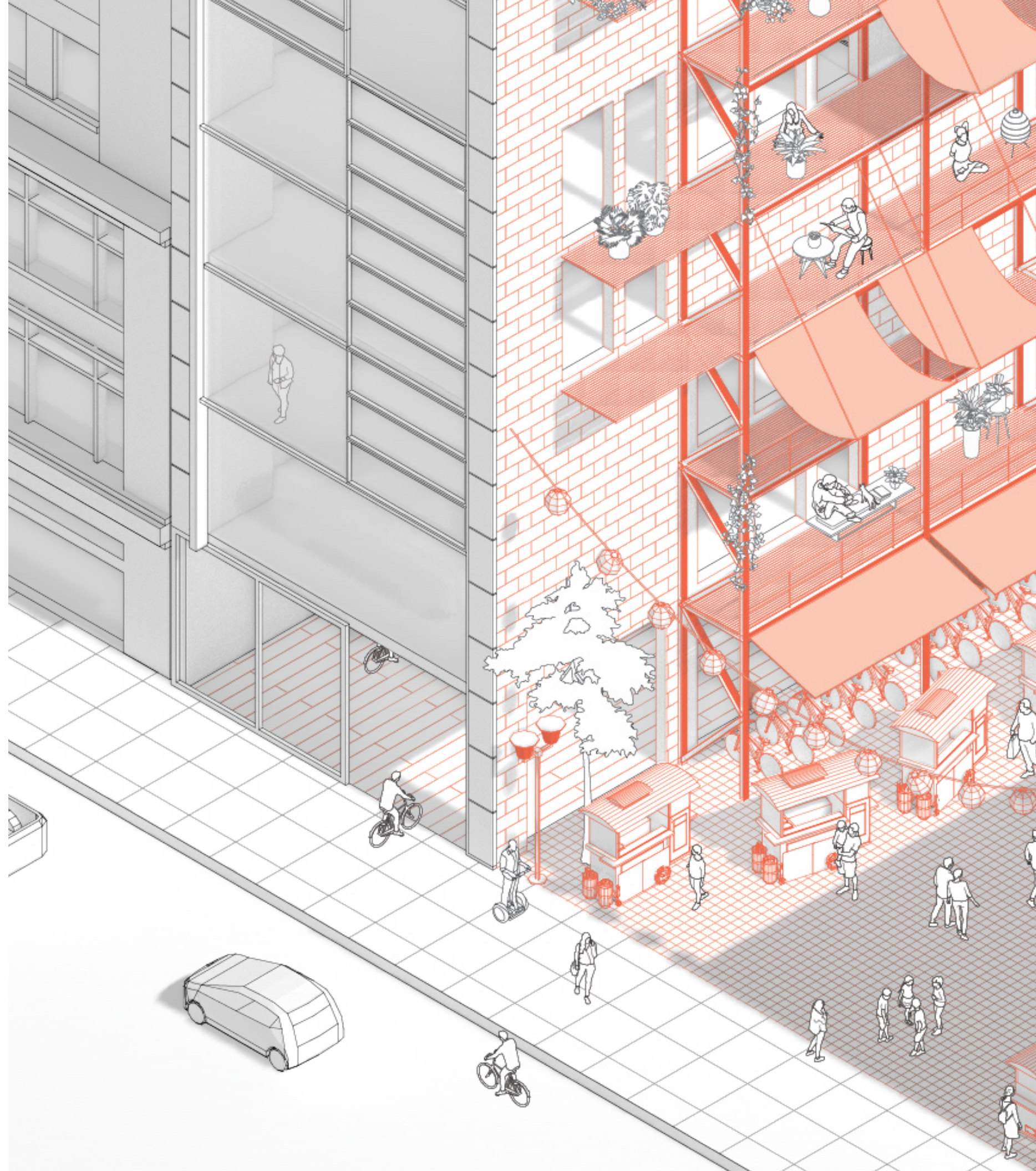
UNFOLDING MIDTOWN

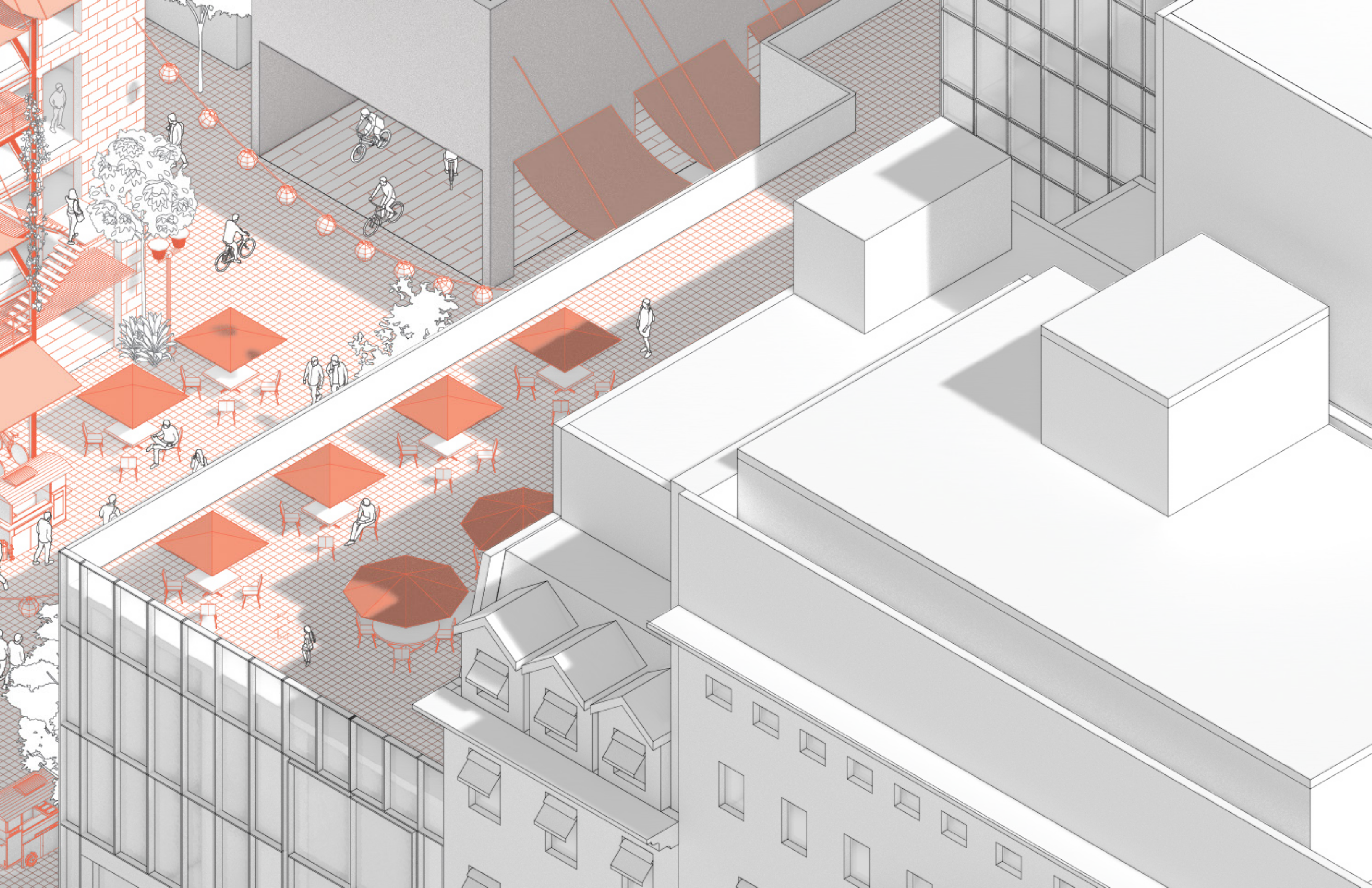
FALL 2025 - SEBASTIAN ADAMO

This project reimagines a typical Midtown office block as a multi-layered urban home that supports human and non-human life. It begins by addressing Midtown's core issues, vacant office floors, limited public space, harsh microclimates, and a lack of social infrastructure. By removing the underused low-rise building at the center, the block "unfolds" to create a new internal garden that links St. Patrick's Cathedral to a continuous network of POPS extending across four blocks.

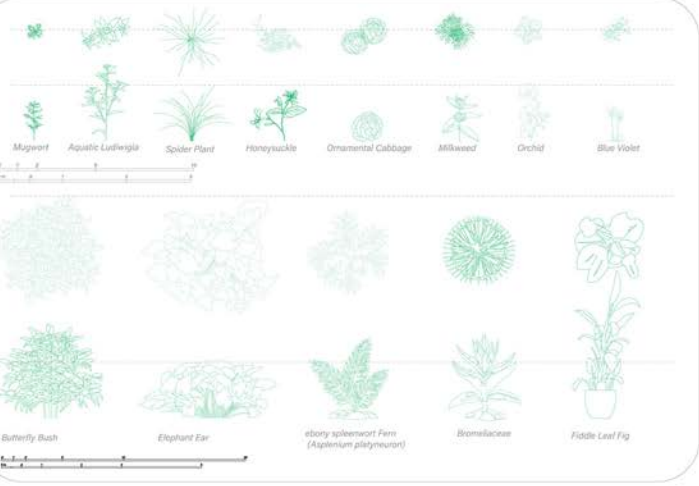
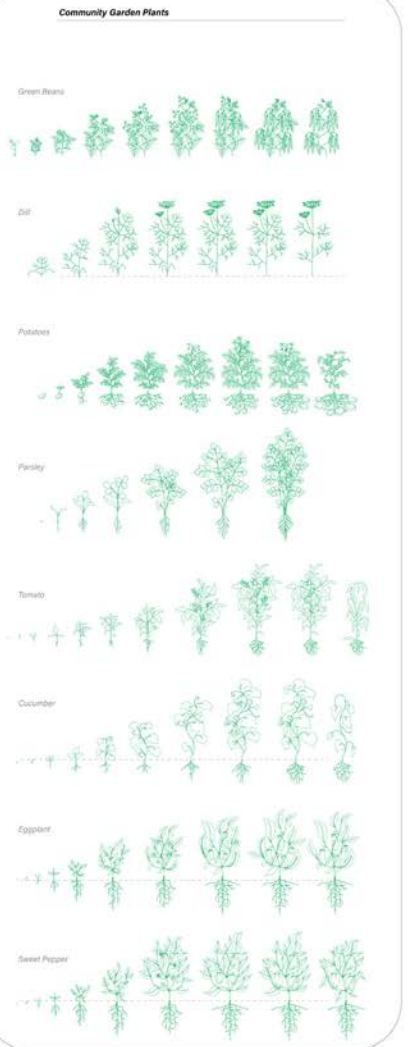
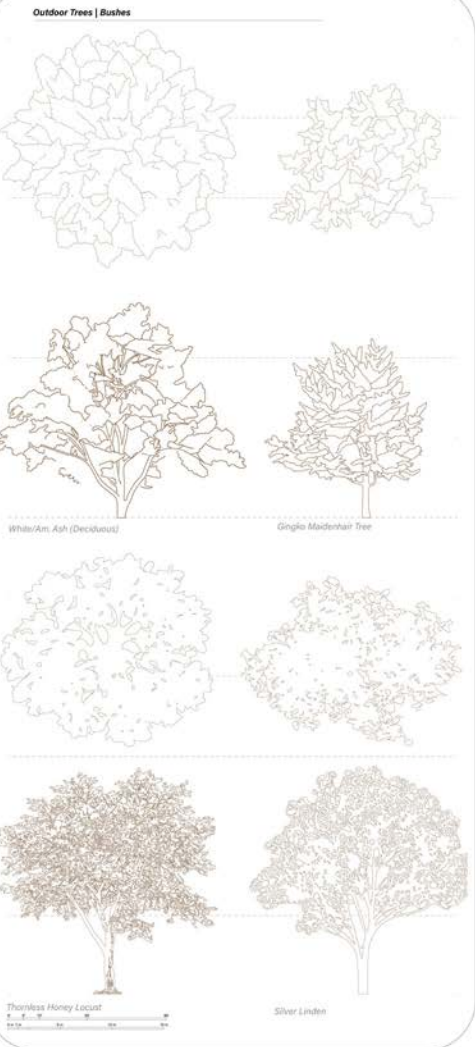
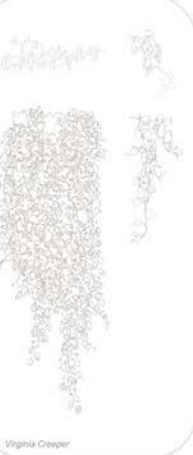
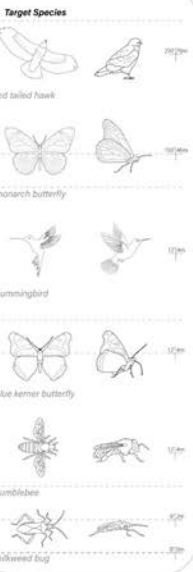
Vacant floors in the surrounding towers are transformed into housing, with recessed façades providing terraces for everyday outdoor use. A climate-responsive canopy stabilizes the interior environment, regulating temperature, humidity, and airflow so that plants, residents, and urban species can thrive year-round. Through interconnected programs, community kitchens, bike infrastructure, gardens, and elevated public spaces. The block shifts from a daytime-only business district to a resilient, inclusive neighborhood prototype.

PARTNERS:
FERN SRIPONGTANAKUL & NIEN LEE



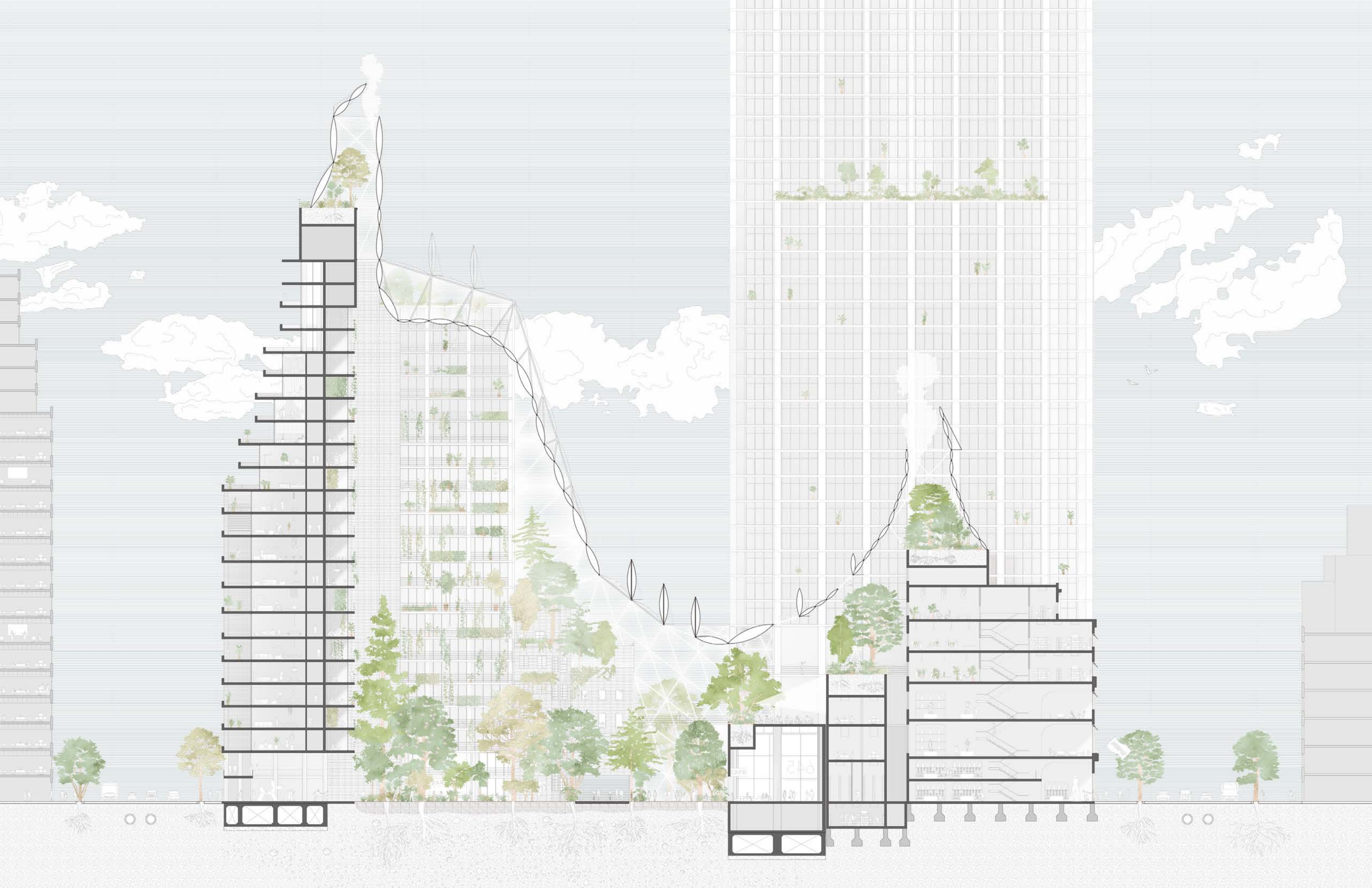


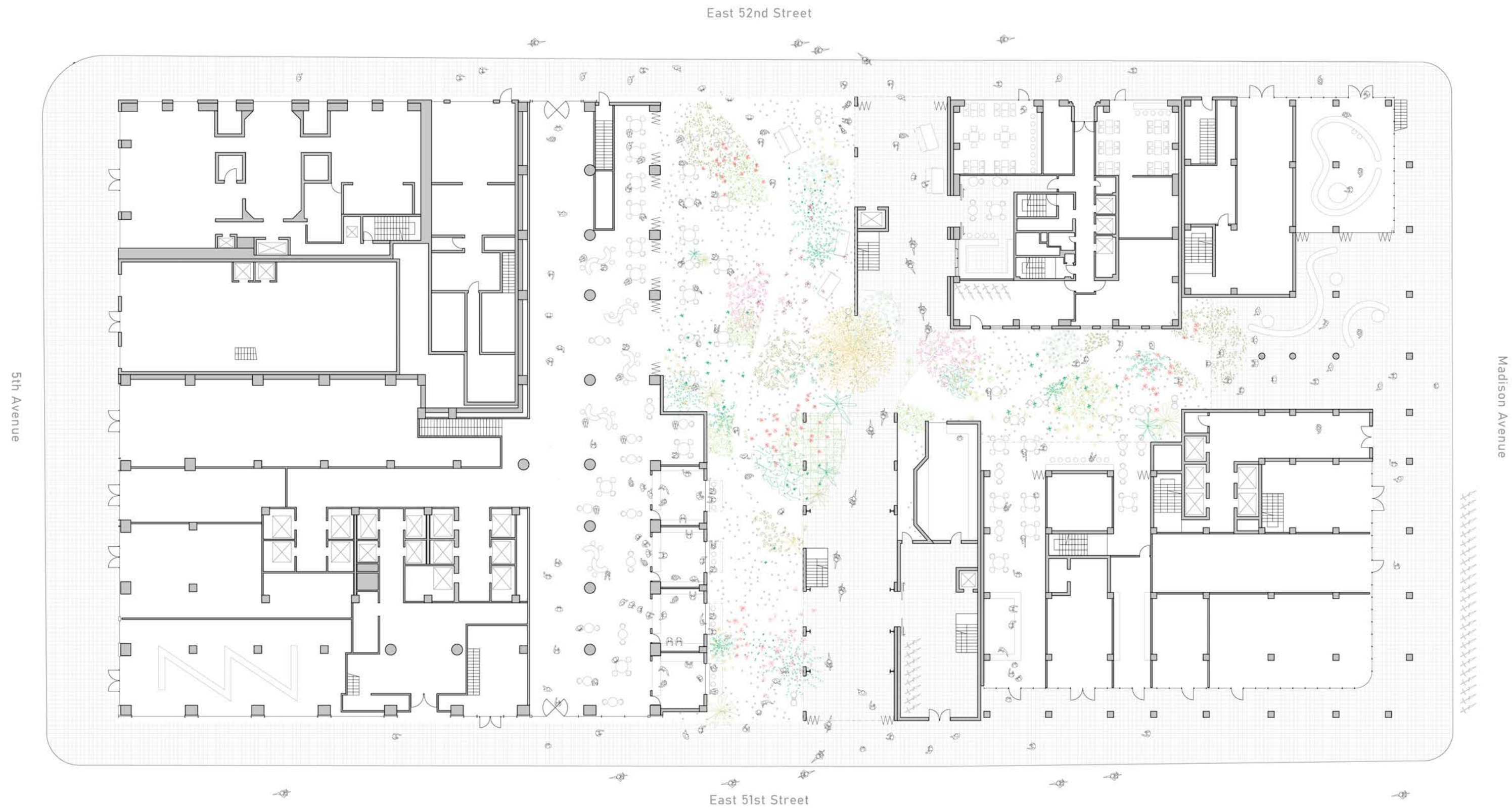
TARGET SPECIES /
INDOOR PLANTS /
CROPS



TIMELINE

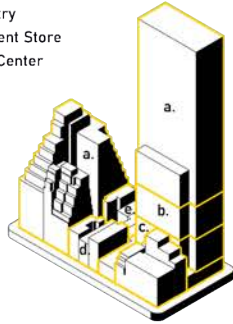






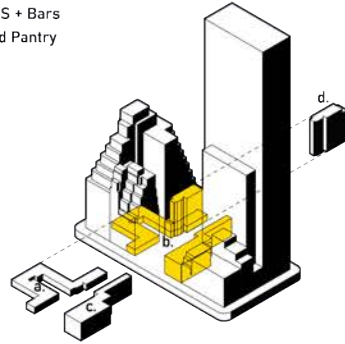
01 Affordable Housing

- a. Affordable Housing
- b. Homeless Shelter
- c. Food Pantry
- d. Consignment Store
- e. Recovery Center



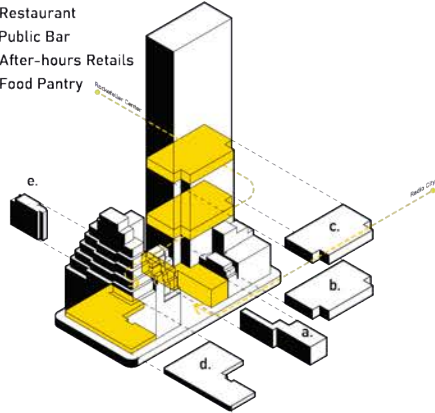
02 Food

- a. Restaurants
- b. Food Vending
- c. POPS + Bars
- d. Food Pantry



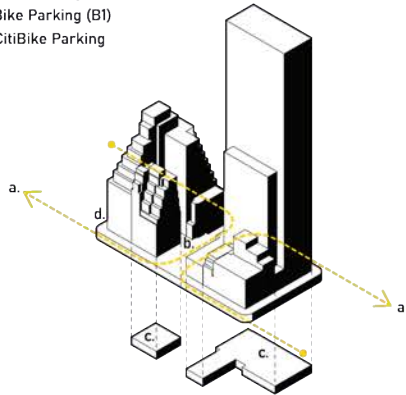
03 Night Life

- a. POPS + Night Market
- b. Restaurant
- c. Public Bar
- d. After-hours Retails
- e. Food Pantry



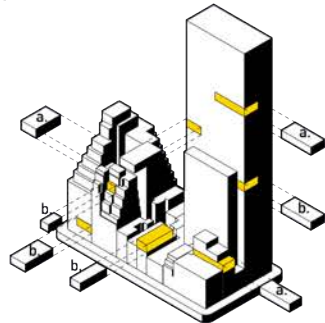
04 Bike

- a. Bike Lane
- b. Bike Parking (GF)
- c. Bike Parking (B1)
- d. CitiBike Parking



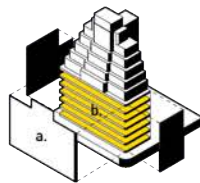
05 Plug-in Unit

- a. Public Space
- b. Housing



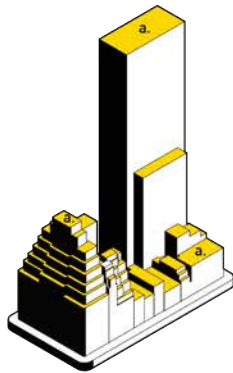
06 New Street Facade

- a. Removed Wall
- b. New Balconies



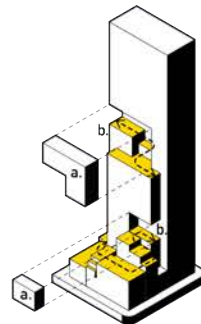
07 Green Roof

- a. Roof Garden



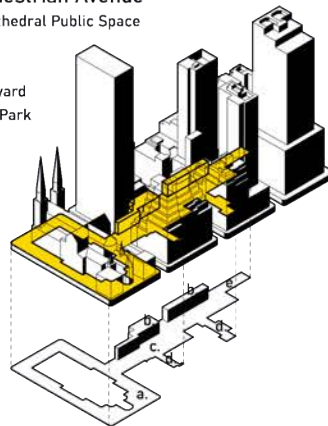
08 Carved Out

- a. Removed Space
- b. New Terrace



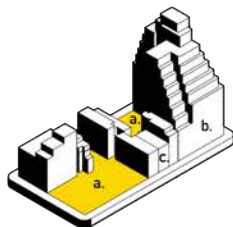
09 Pedestrian Avenue

- a. Cathedral Public Space
- b. POPS
- c. Park
- d. Courtyard
- e. Paley Park



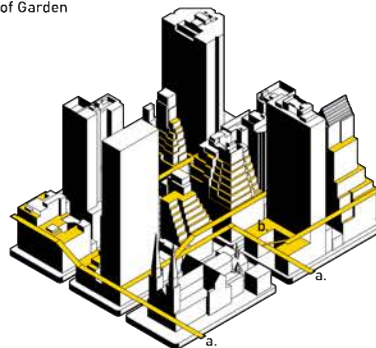
10 Historic Preservation

- a. Park
- b. Housing
- c. Affordable Housing



11 Elevated Path

- a. Path
- b. Roof Garden



12 Inner Court Activation

- a. Drone Platform

