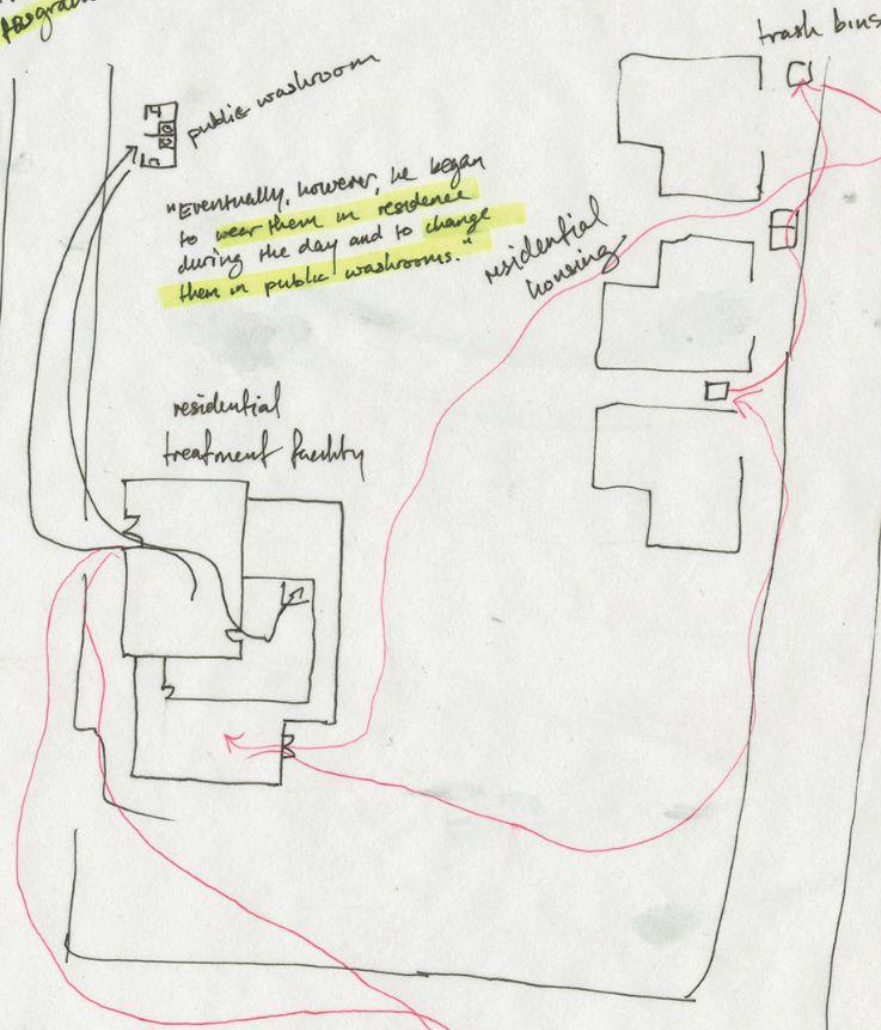


"I was used to being in warm, nurturing classrooms with a high student-teacher ratio... where I got a lot of love, praise, and attention, to the intense confusion of public school..."  
- Nick @ 6

Is this a dispersed program? How does this connect the residential care facility to the greater community?

"For instance, Robert had begun going to public washrooms and stealing soiled diapers to bring back to the residential treatment program so he could ... with them."



"Eventually, however, he began to wear them in residence during the day and to change them in public washrooms."

"Most recently, Robert had taken to running from the program to search the neighborhood for diapers in people's garbage and had even got to the point of trying to steal them off children themselves."

# Accessing Esteem: Juniper House

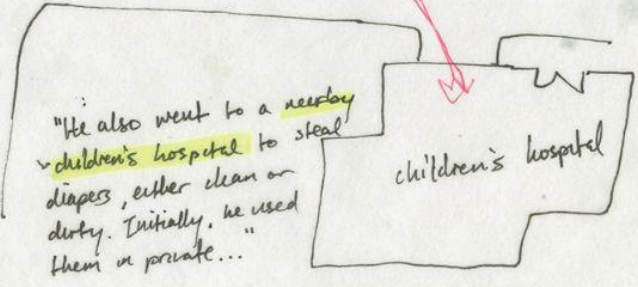
a transition center for healing adolescent males with problematic sexual behavior and social complications

SITE: In the heart of New York City?  
Open, accessible, autonomous?

location:  
professor:  
year:

East Village, NY  
Anthony Clarke, Alonso Ortega  
Spring 2025

How do we balance the "safety" of the community and the respect, autonomy, and freedom of the individuals?





## An Asperger's Adolescent Sex Addict, Sex Offender: A Case Study

ERIC GRIFFIN-SHELLEY

Private Practice, Lafayette Hill, Pennsylvania

## Adolescent and Young Adult Male Sex Offenders: Understanding the Role of Recidivism

DIANA K. RISER, SHERI E. PEGRAM, and JULEE P. FARLEY  
Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA

house. Jack, who was the leader of the threesome and always called the shots said, "Hey, Nick, get on the swing and we can play cops and robbers."

"Okay," I said eagerly. I went over to the swing and before I knew what hit me, Jack had handcuffed me to the swing. Thinking that this was part of the game, I didn't panic at first but then Jack started laughing.

"We got him! C'mon, let's go," he said to Chris. Then they got on their bikes. "Loser," they yelled. "Sucker," Jack said.

I felt stupid that I fell for their prank and humiliated that this was happening in a public place. I wondered if there was something I did to make them angry with me. After all the time we spent together, how could they do this to me?

## Adolescent sex offenders with autism spectrum conditions: currently used treatment and their impact

Gabriel Schnitzer, Rachel Terry and Trish Jose

Salomons Centre for Applied Psychology, Canterbury Christ Church University, Tunbridge Wells, UK

# The Feminist and the Sex Offender

Confronting  
Sexual Harm,  
Ending State  
Violence

Judith Levine

Erica R. Meiners

TONY ATTWOOD, ISABELLE HENAUPT AND NICK DUBIN

# THE AUTISM SPECTRUM, SEXUALITY AND THE LAW

What every parent  
and professional  
needs to know



# THE BODY KEEPS THE SCORE BRAIN, MIND, AND BODY IN THE HEALING OF TRAUMA



BESSEL VAN DER KOLK, M.D.

"A MASTERPIECE THAT COMBINES THE BOUNDLESS CURIOSITY  
OF THE SCIENTIST, THE ERUDITION OF THE SCHOLAR, AND THE PASSION  
OF THE TRUTH TELLER." —JUDITH HERMAN, M.D.

# THE RIGHT TO SEX

FEMINISM  
IN THE  
TWENTY-  
FIRST  
CENTURY

AMIA  
SRINIVASAN

## RECOVERING FROM PARAPHILIA: AN ADOLESCENT'S JOURNEY FROM DESPAIR TO HOPE

GARY L. SANDERS

**Abstract:** A number of assumptions are evident in the treatment of adolescent sexual offenders. This paper challenges many of those assumptions. A story of a young man is used to suggest alternative ways to conceptualize interventions with young men who are often deemed to be "untreatable."

As the background information of the new referral to Calgary's Phoenix

## In Healing from Perpetrator Trauma: The Experiences of Juvenile Offenders Incarcerated for Violent Offenses in South Africa

Grace Mashai Mahlako, Jacques Jordaan & Matthew Cronjé

To cite this article: Grace Mashai Mahlako, Jacques Jordaan & Matthew Cronjé (02 Jan 2025): In Healing from Perpetrator Trauma: The Experiences of Juvenile Offenders Incarcerated for Violent Offenses in South Africa, Journal of Forensic Psychology Research and Practice, DOI: 10.1080/24732850.2024.2431675

To link to this article: <https://doi.org/10.1080/24732850.2024.2431675>

## Don't ask me what's the matter, ask me how mental health facility experiences of autism spectrum conditions

P. Maloret MA, BA (Hons), PGDip, PGCE, Dip HE, RN  
T. Scott PhD, BA (Hons), DipN, CertEd, RGN, RMN, P

<sup>1</sup>Nursing and Midwifery, School of Health and Social Work, University of Hertfordshire, Hatfield, UK

<sup>2</sup>Centre for Research in Primary and Community Care, University of Hertfordshire, Hatfield, UK

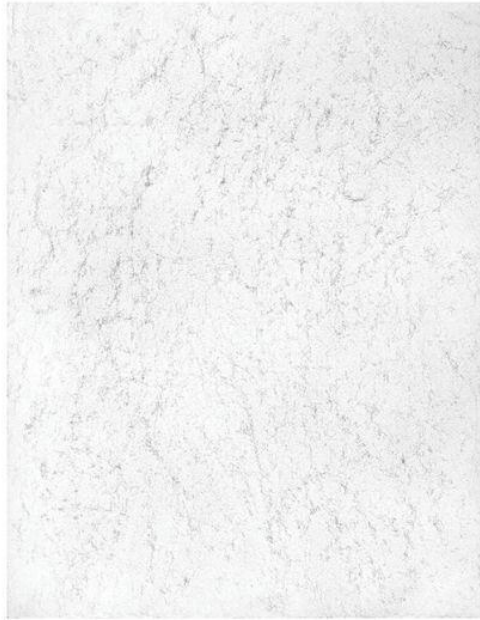
Correspondence

### Accessible summary

What is known on the subject

- There is a growing body of evidence that people with autism spectrum conditions suffer anxiety in the admission to a mental health facility



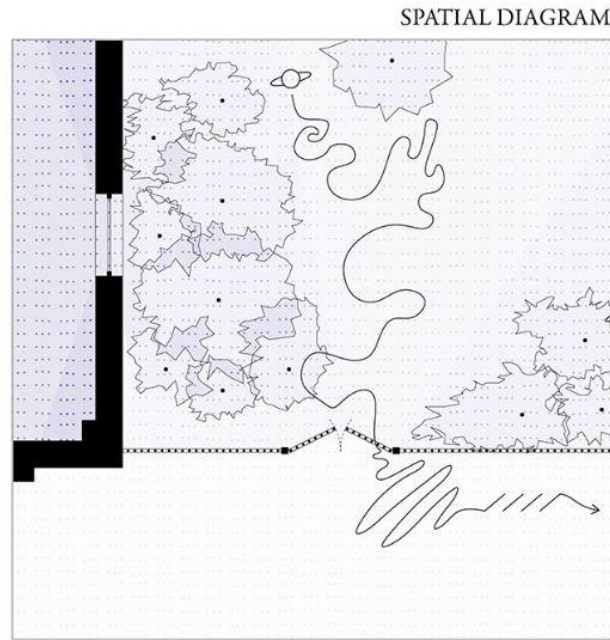


EMOTIONAL DIAGRAM

KEYWORD

## Privacy

Robert has paraphilia surrounding soiled diapers, pacifiers, and baby bottles. These objects provide an escape into fantasy worlds where he can feel nurtured and cared for by an older woman. After having this disclosed openly, he no longer tried to control his impulses, and found staff often watching and expecting his impulsive thoughts to turn into “inevitable” actions.

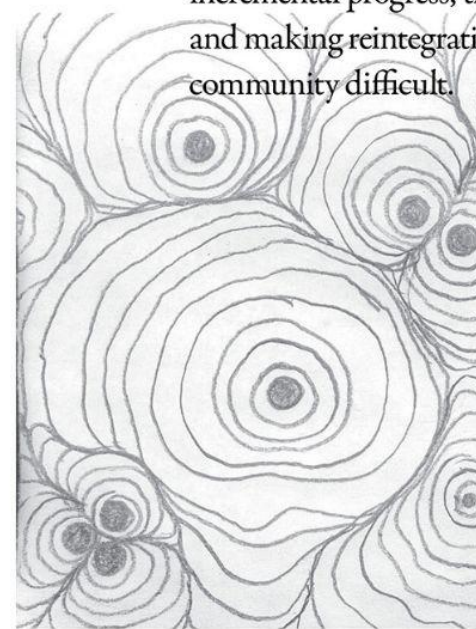


SPATIAL DIAGRAM

KEYWORD

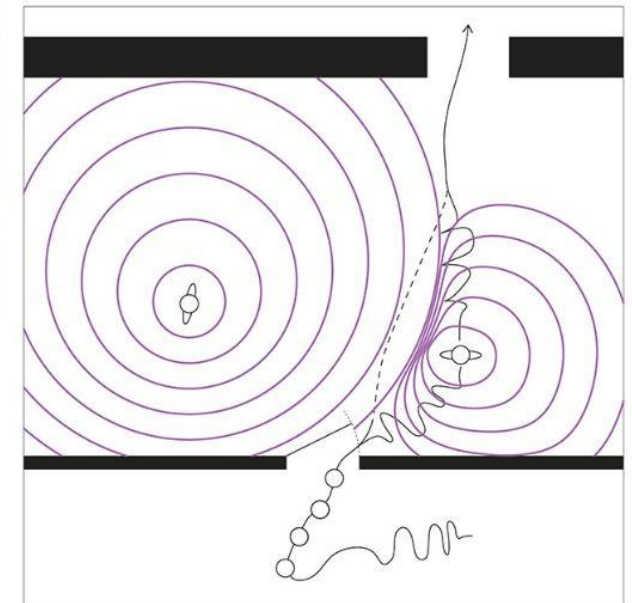
## Esteem

Eric experienced isolation and lack of support from staff due to his perceived sexual deviancy. He felt humiliated from being incarcerated at a juvenile facility. Despite making progress in his program, Eric dealt with impatience from his parents for how slowly he was making incremental progress, triggering old wounds and making reintegration into the community difficult.

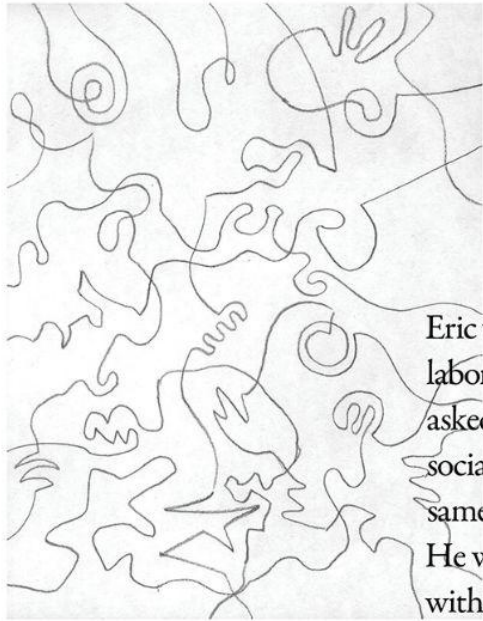


EMOTIONAL DIAGRAM

SPATIAL DIAGRAM





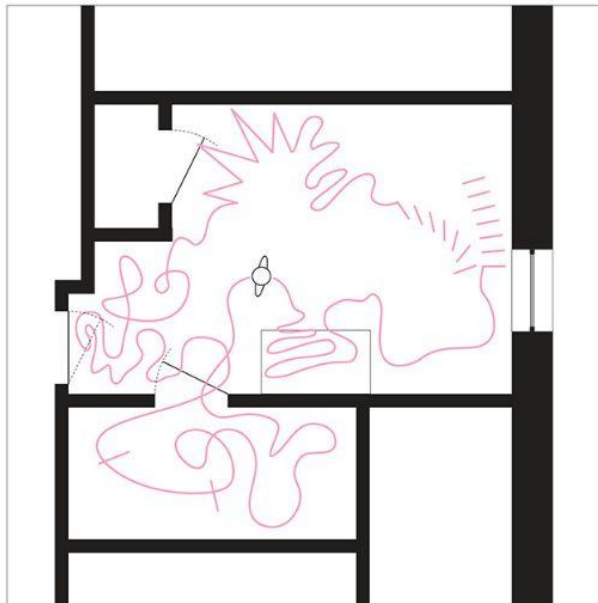


EMOTIONAL DIAGRAM

KEYWORD

## Security

Eric will clutch a pillow for comfort and gets labored, agitated breathing when directly asked about sexual behaviors related to painful social experiences. He dreads interactions with same-age peers, but “controls” younger peers. He would suppress traumas experienced within the program out of fear that he would be transferred to an even more punitive, restrictive program.

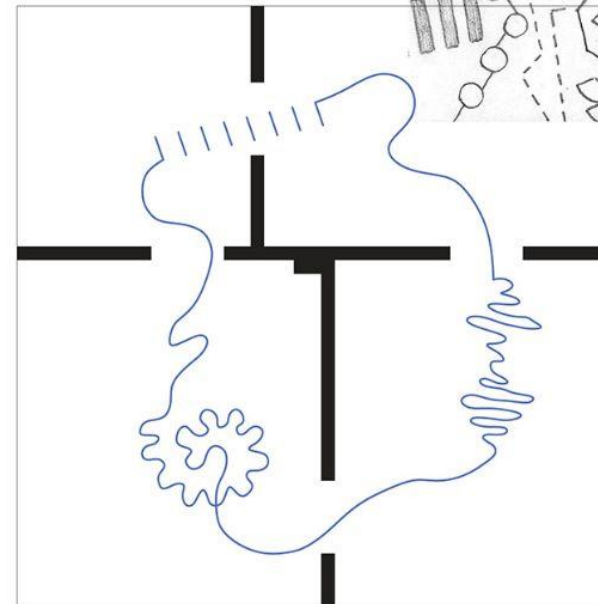


SPATIAL DIAGRAM

EMOTIONAL DIAGRAM



SPATIAL DIAGRAM

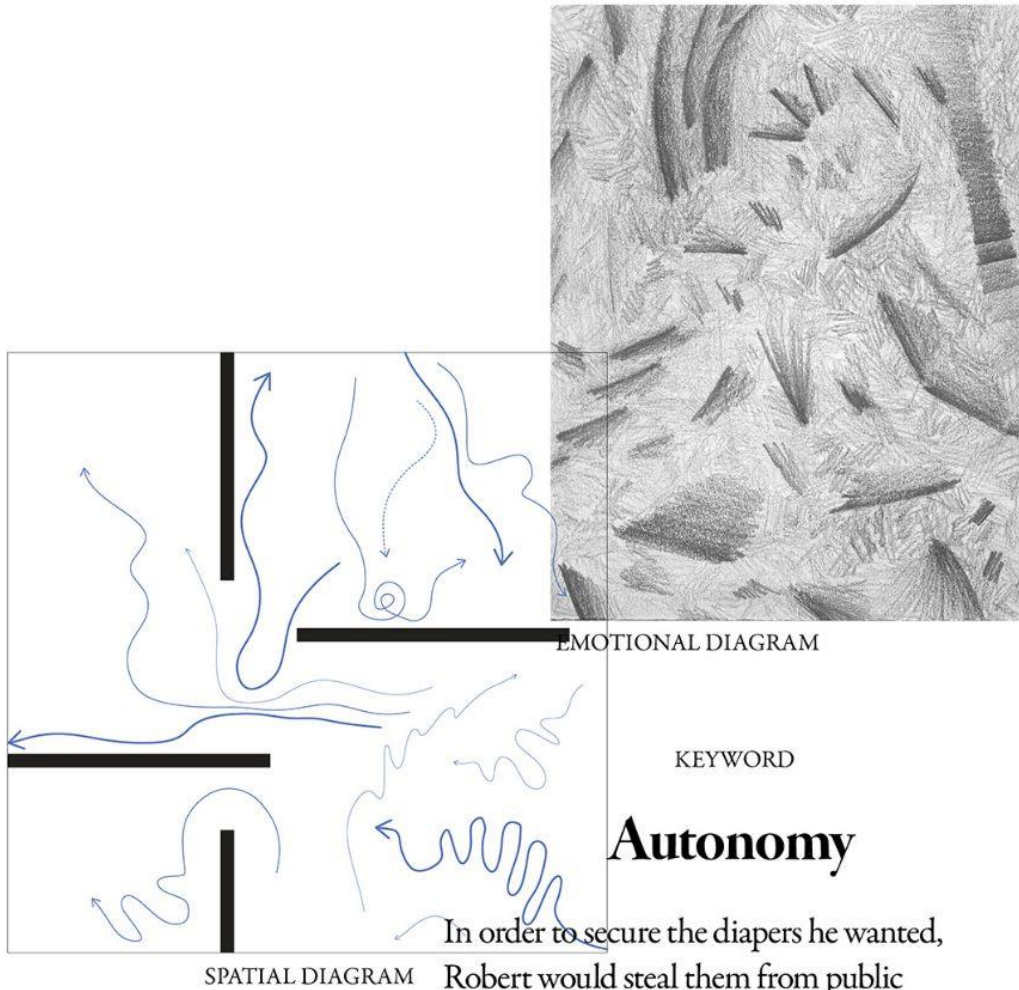


KEYWORD

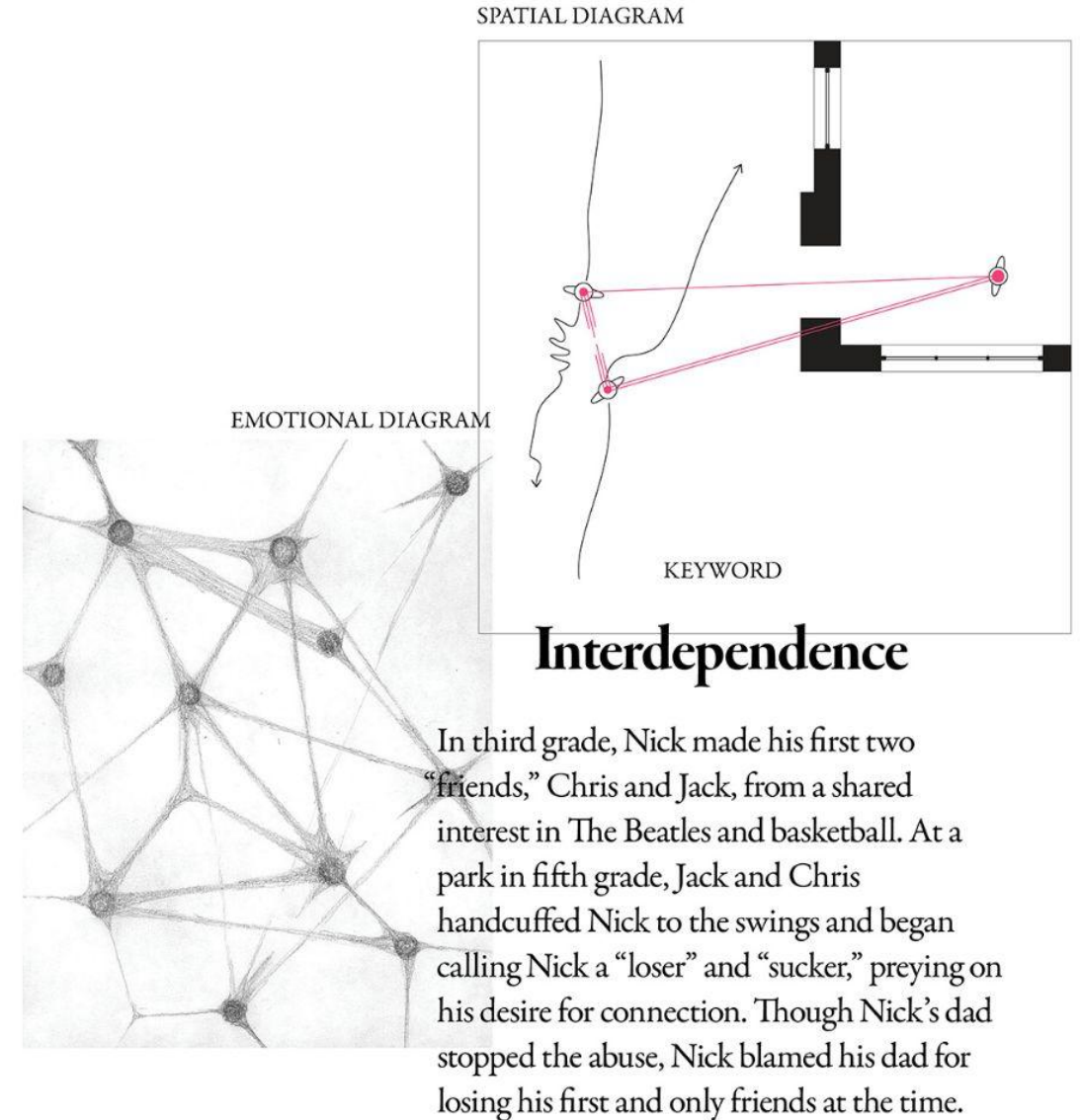
## Regularity

Will can spend hours eating the same foods from specific brands while watching old Bugs Bunny shows. He will also recite dialogue from his shows while on the swing set, regardless of rain or shine, to help him cope with the feelings of “painful” awkwardness and social “disability” from unsuccessful bids for connection and shame from sexual infractions.

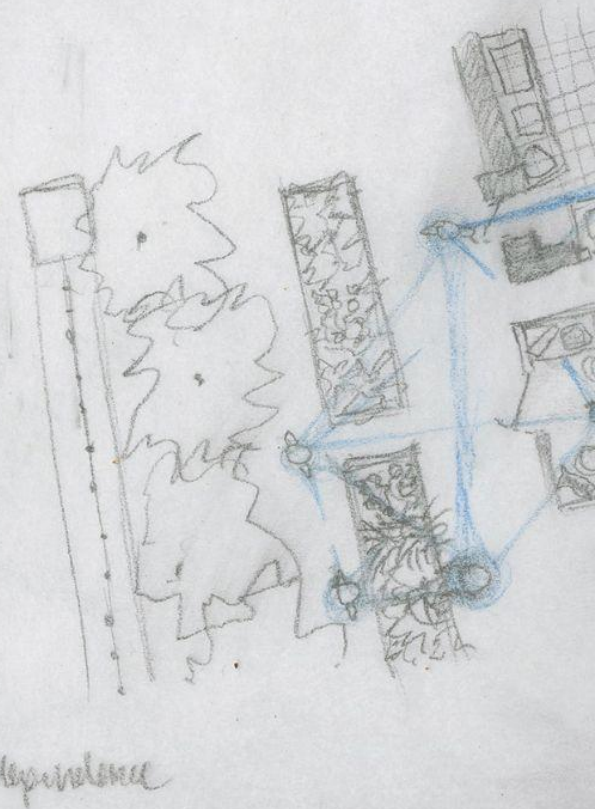
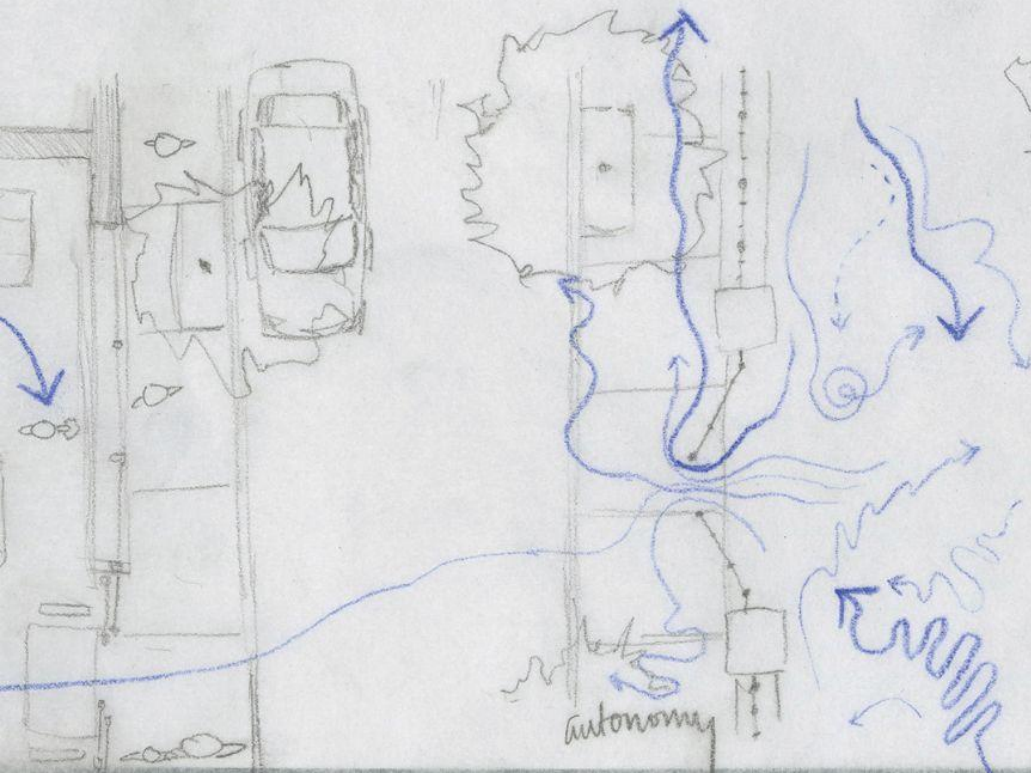
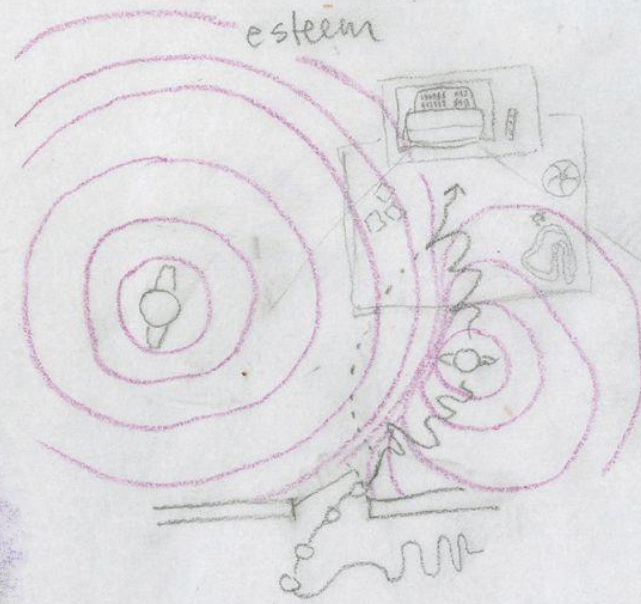
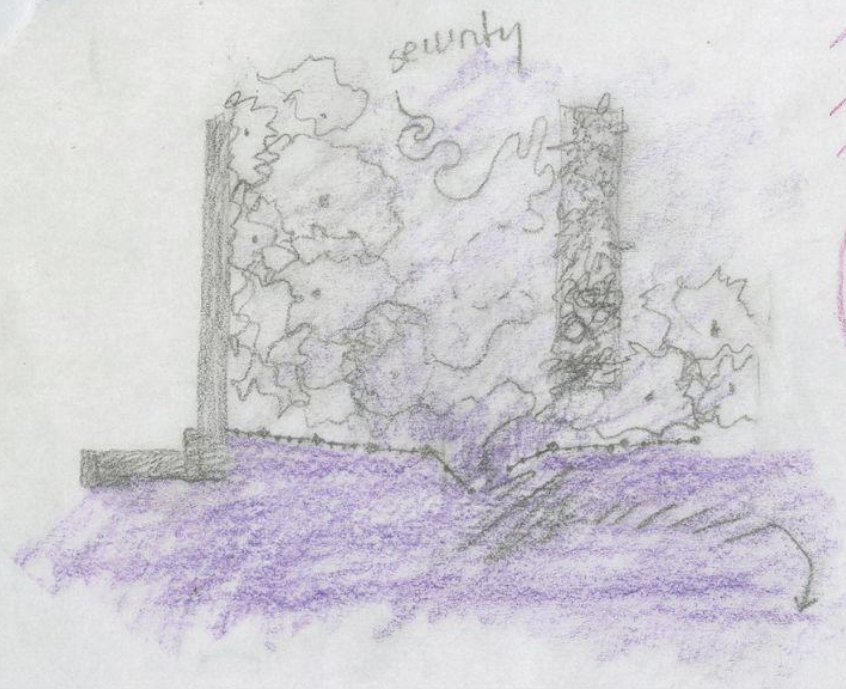




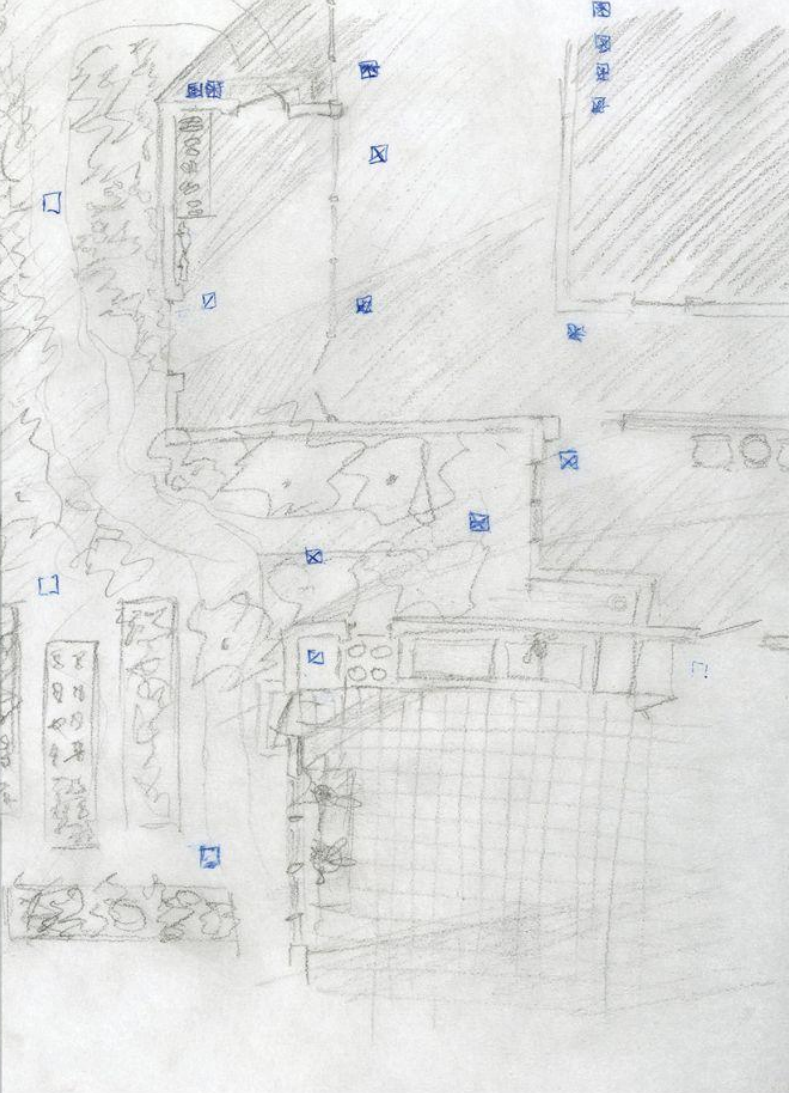
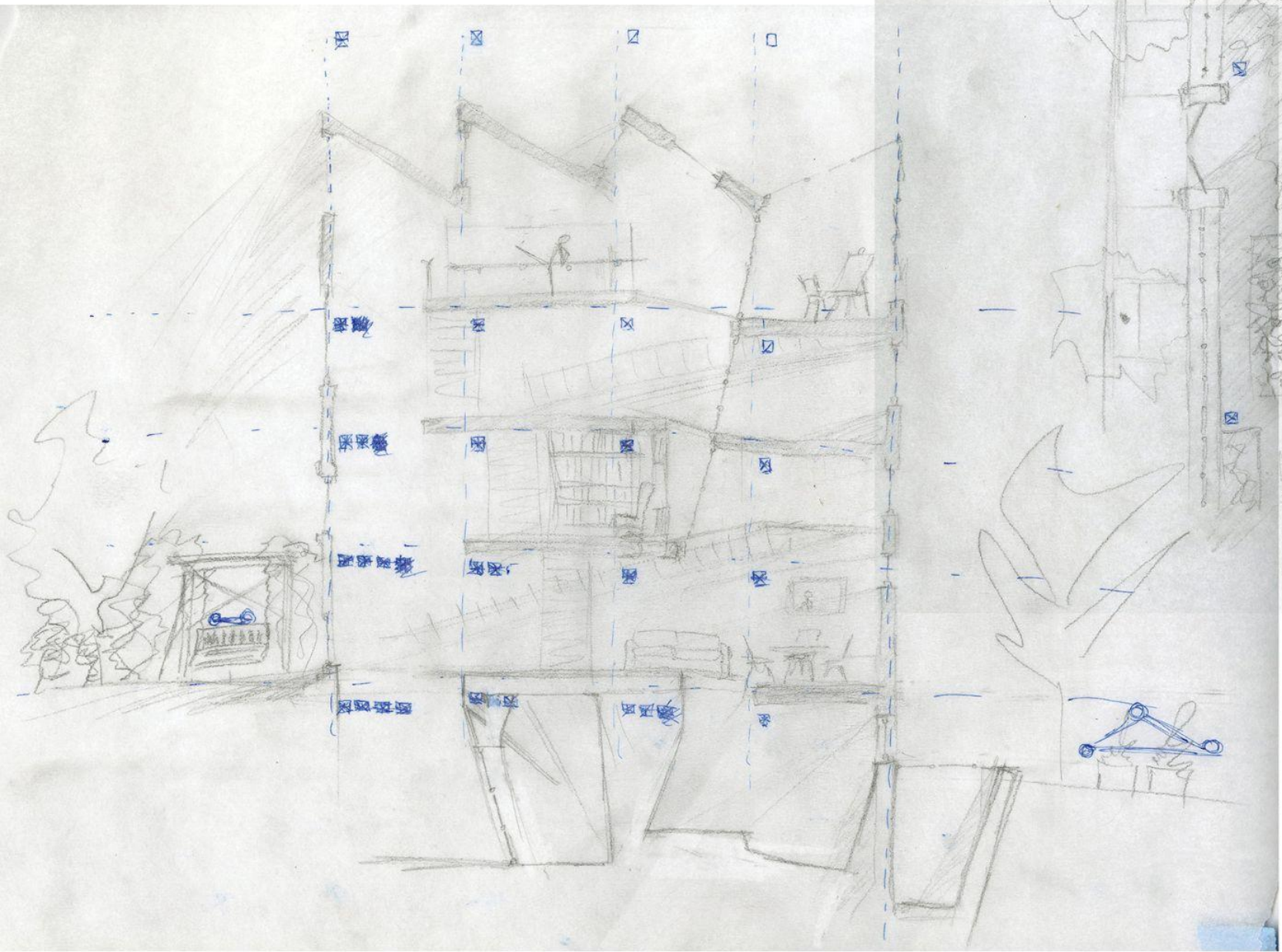
In order to secure the diapers he wanted, Robert would steal them from public restrooms, nearby children's hospitals, neighborhood garbage bins, and off of babies in public, and he would use garbage bags and white towels as makeshift diapers when he couldn't find any. He looked forward to becoming an independent adult so that he could get all the diapers he wanted.















Schools

Community Gardens

Supermarkets

Loisaida, Inc.

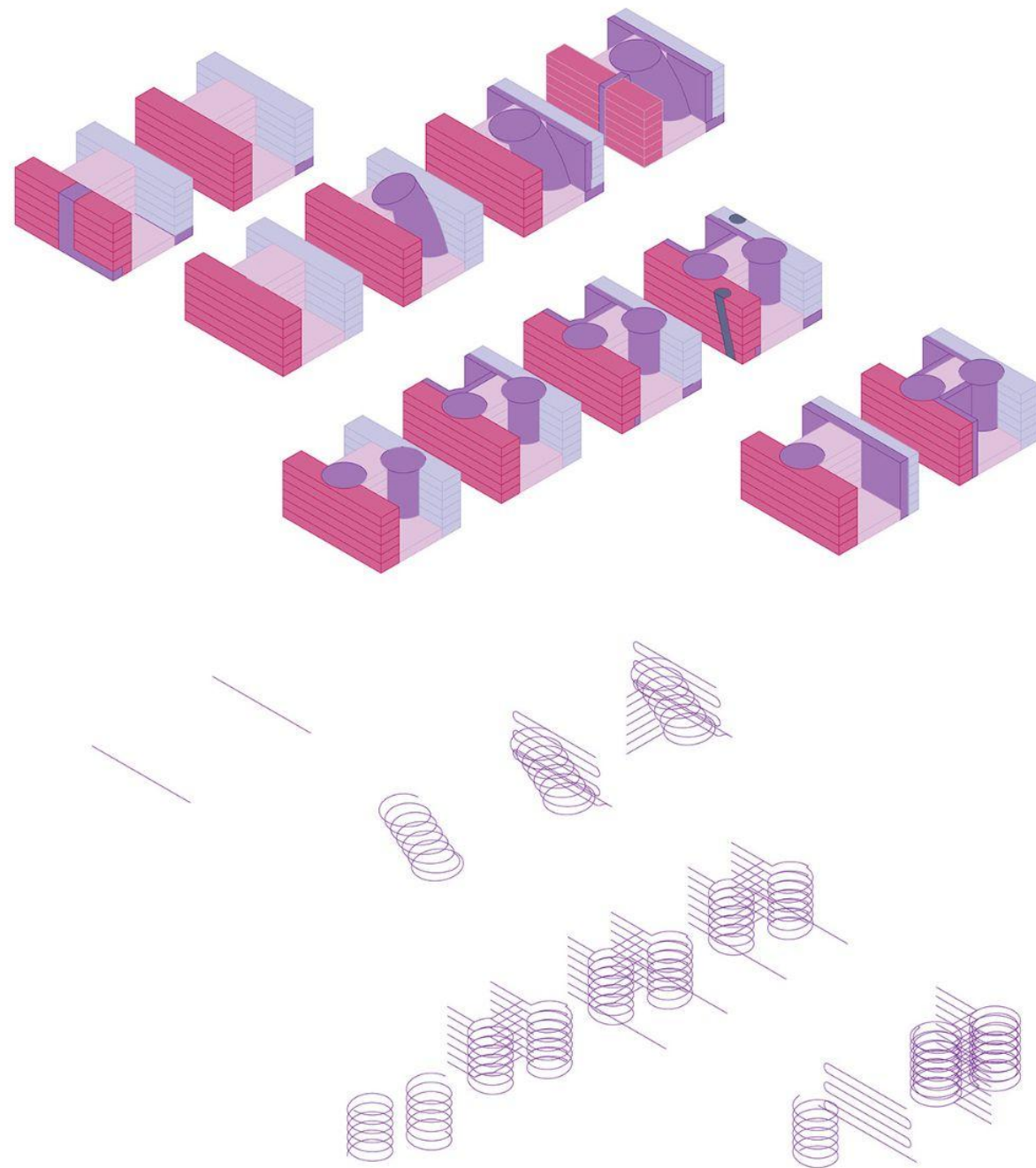
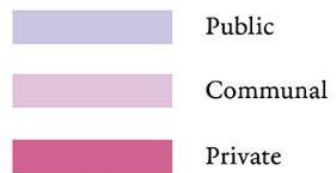
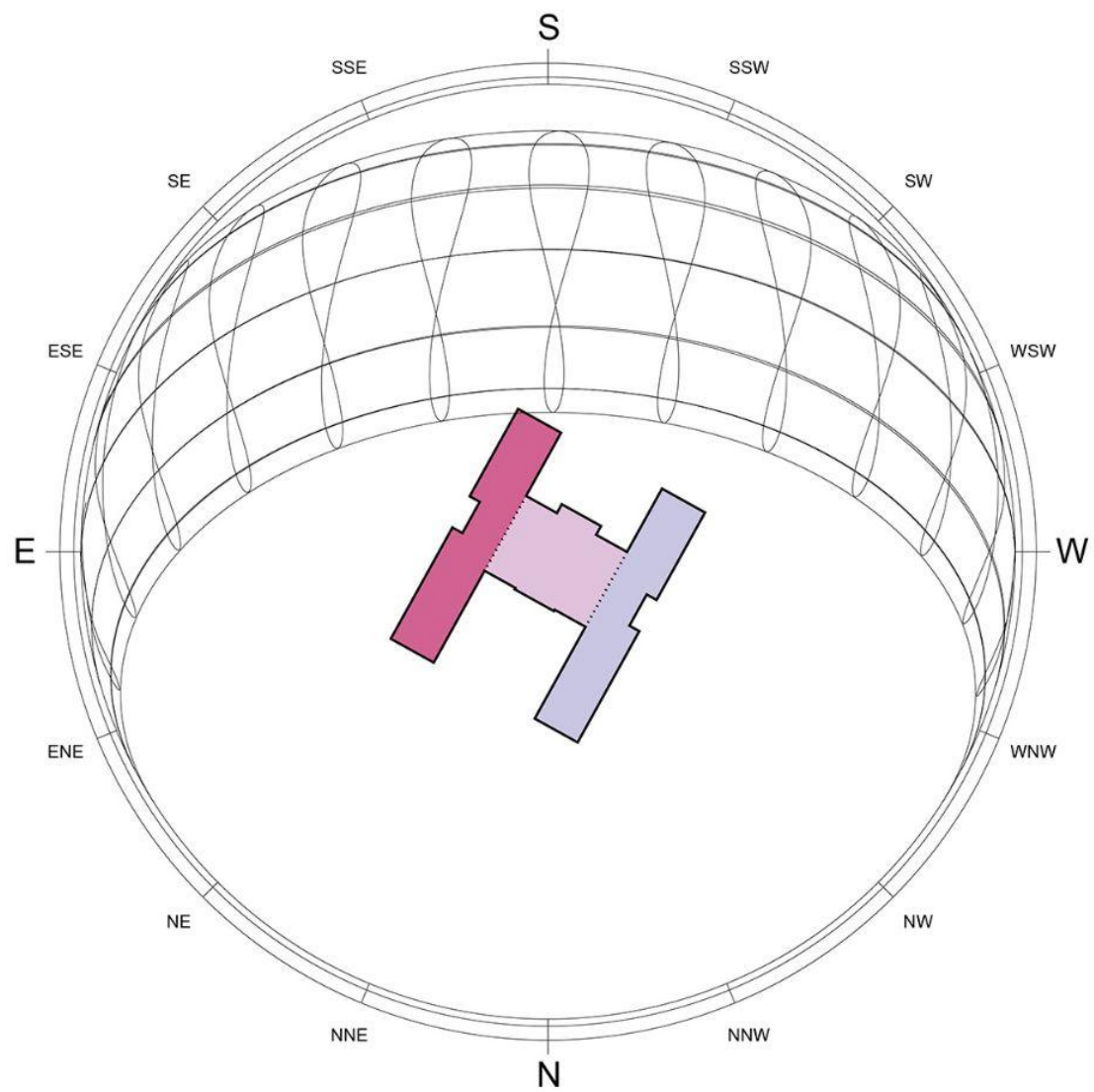
5-minute walk 1,320 ft radius

Sexual Assault Reform Act (SARA) 1,000 ft radius

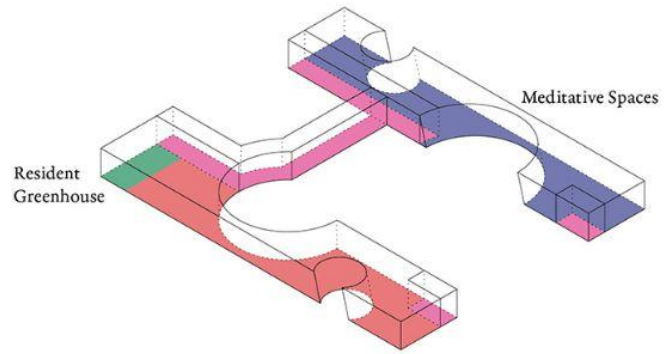
## A Transitional Space for Healing, Refuge, and Community

Juniper House hosts extended- and short-term residence, refuge, and community for youths struggling with sexual harm, trauma stigmatization, and social isolation. Through partnership with neighborhood arts and gardening programs for stewardship and self-expression, our community transforms into a sanctuary for emotional healing and interpersonal care needs.

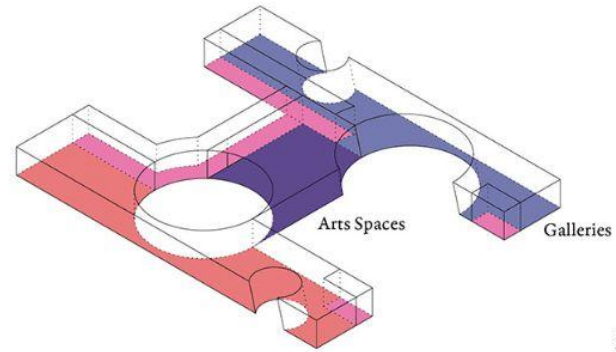




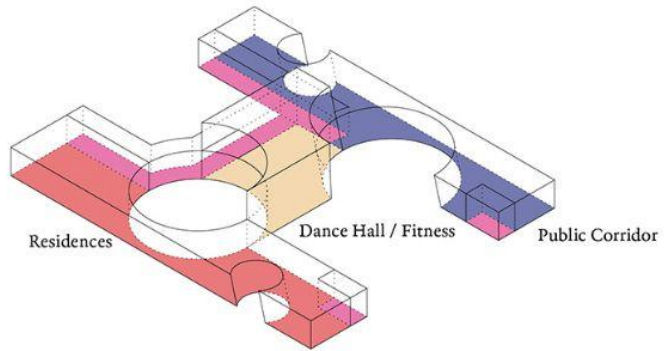




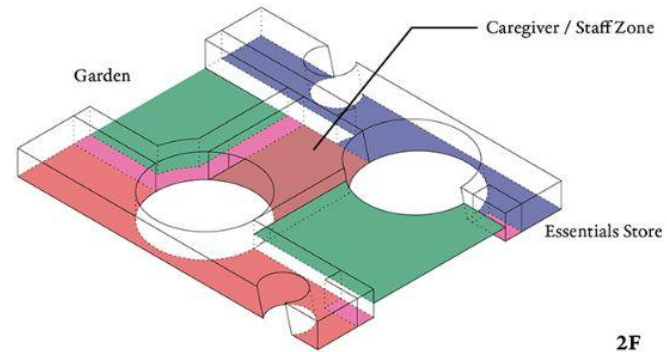
6F



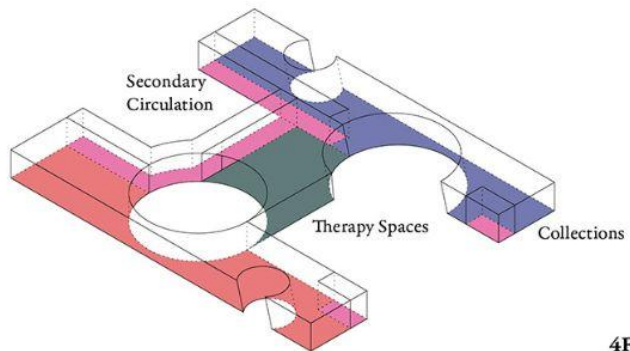
3F



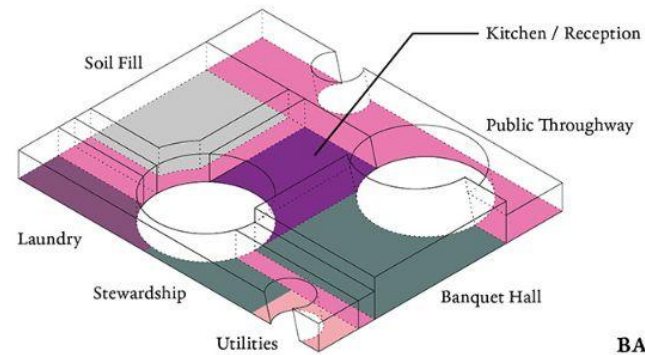
5F



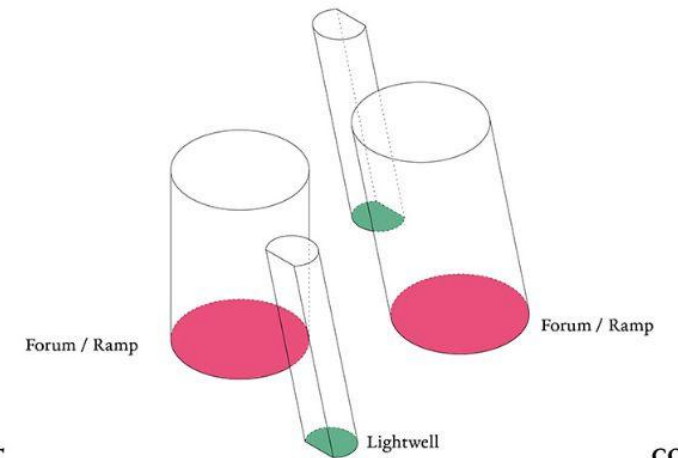
2F



4F



BASEMENT



CORES



- Privacy
- Esteem
- Security
- Regularity
- Autonomy
- Interdependence

East 9th Street

Regularity

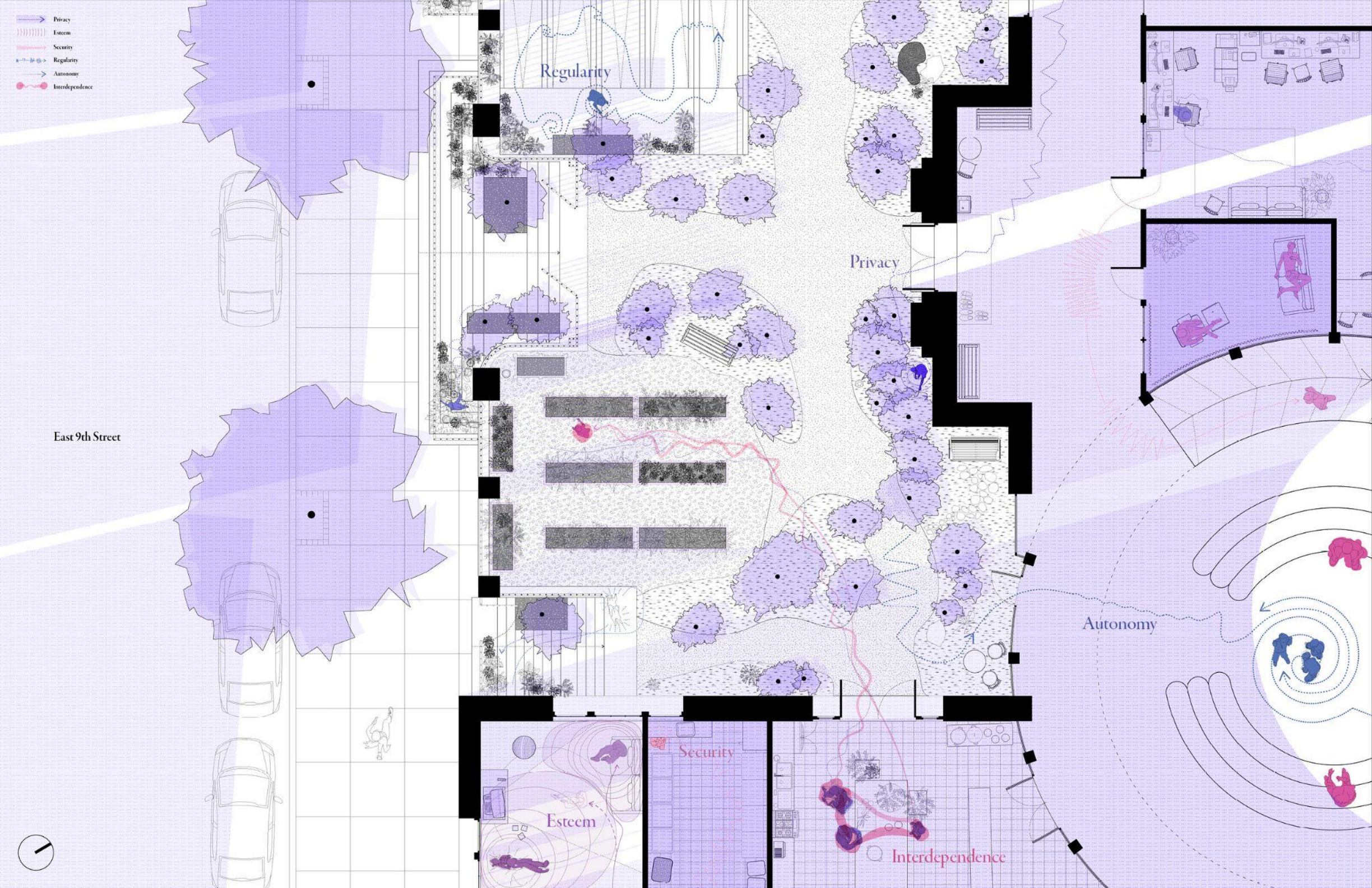
Privacy

Autonomy

Security

Esteem

Interdependence





# bus stop commons

rebuilding community through mobility

**3. Accessory Dwelling Unit**  
Emergency Housing up to 1000 sq ft  
New Construction or Adaptive Reuse

**2. Bus Stop**  
Waiting Area - Public Restroom - Food Pantry

**1. Ashokan Reservoir Bus Loop**  
Improved Mobility & Connectivity Across All Sectors

**6. Olive Free Library**  
Community Event Space - Public Programs - Workshops

**5. Barn**  
Secondary Income Investment - Living Work Space  
Phased Growth via Modular Units

**4. Stand**  
Roadside stand for selling homemade goods  
Honor-driven exchange

Fruits, veg, herbs, eggs, cheeses, mushrooms, honey

mushrooms, honeys  
Fruits, veg, herbs, eggs, cheeses

Enhanced community presence

New skills, workshops, community organizing

location:  
professor:  
collaborator:  
year:

Ulster County, NY  
Alessandro Orsini  
Sarah Bruce Eisen  
Spring 2023



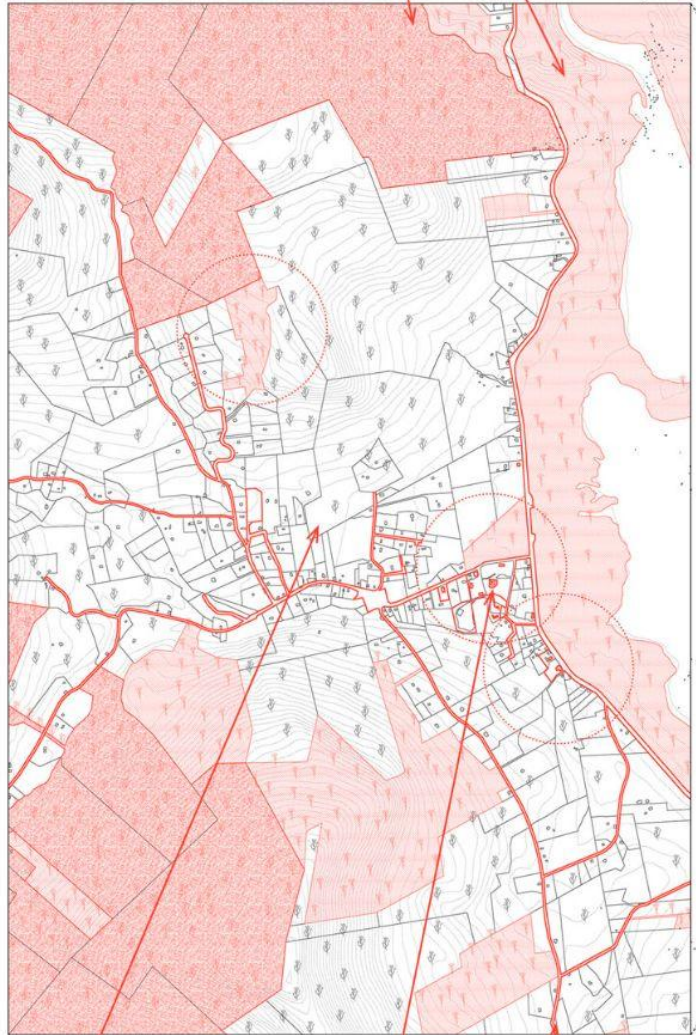
Undeveloped wilderness  
NYS-owned public land

Off-limits reservoir land  
NYCDEP-owned

Proposed Bus Route  
[red dashed]

Ashokan Reservoir  
123 billion gallons of water

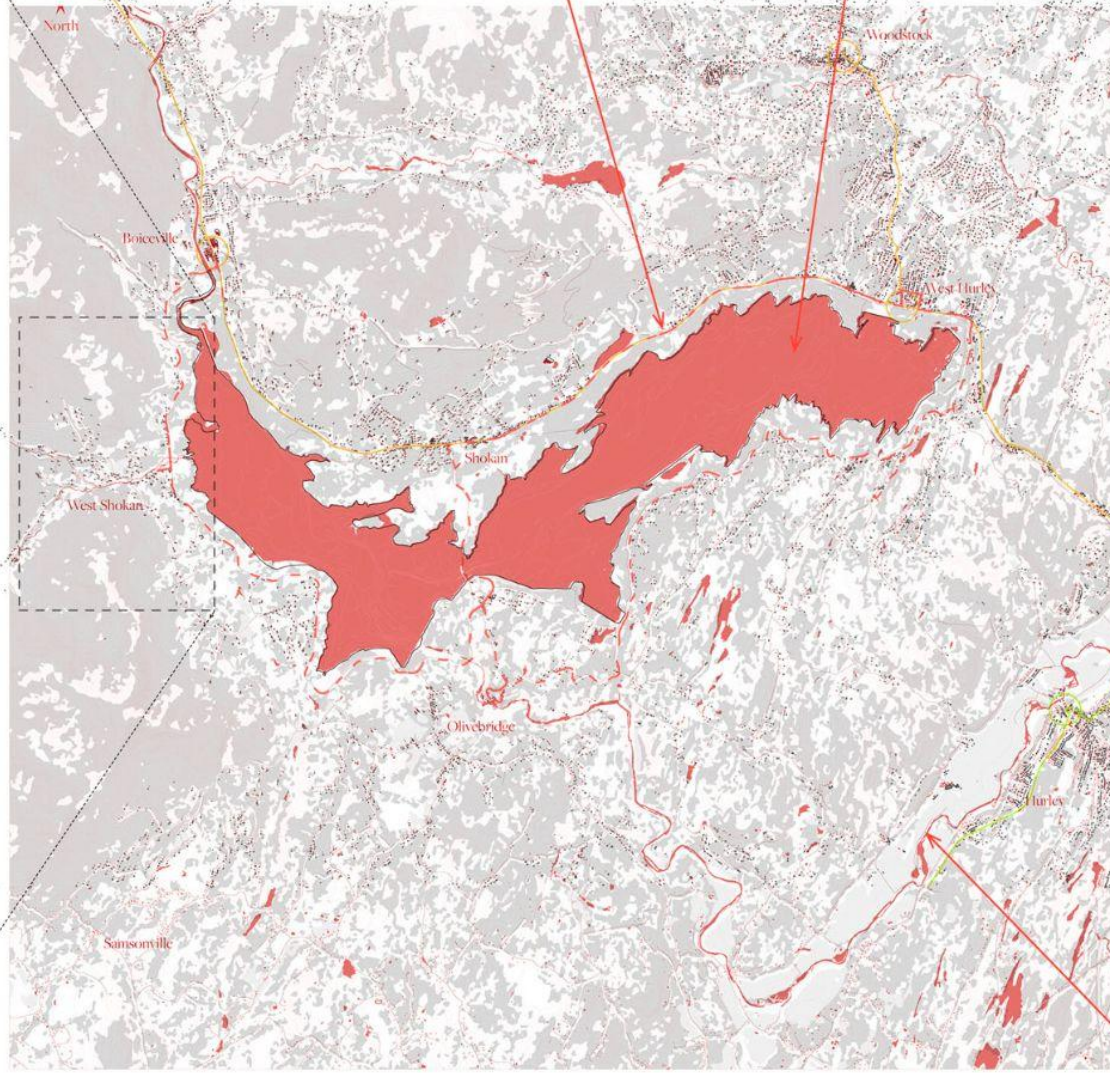
Active Bus Routes  
(colored lines)



Privately-owned  
land parcels

Public buildings  
Town of Olive-owne

Publicly-accessible  
roadways



0 1 mi 5 mi

- Building Footprints
- Waterbodies
- 10m Contours
- Streets
- Agricultural Land
- Forest

## Liquid Asset: From Land Dispossession to Mutual Care

### Site Map of the Ashokan Reservoir, Towns & Landscapes

Columbia Graduate School of Architecture, Planning and Preservation  
Advanced IV Architecture Design Studio — Spring 2023  
Tasha Alcorn  
Ian Callender  
Rachel Chen  
Sarah Bruce Eisen  
Muriela Fakso  
Journey Hinder  
Meghan Jones  
Angela Kucle  
Eunice Kern  
Yuna Li  
Art Sadrich  
E.J. Shin

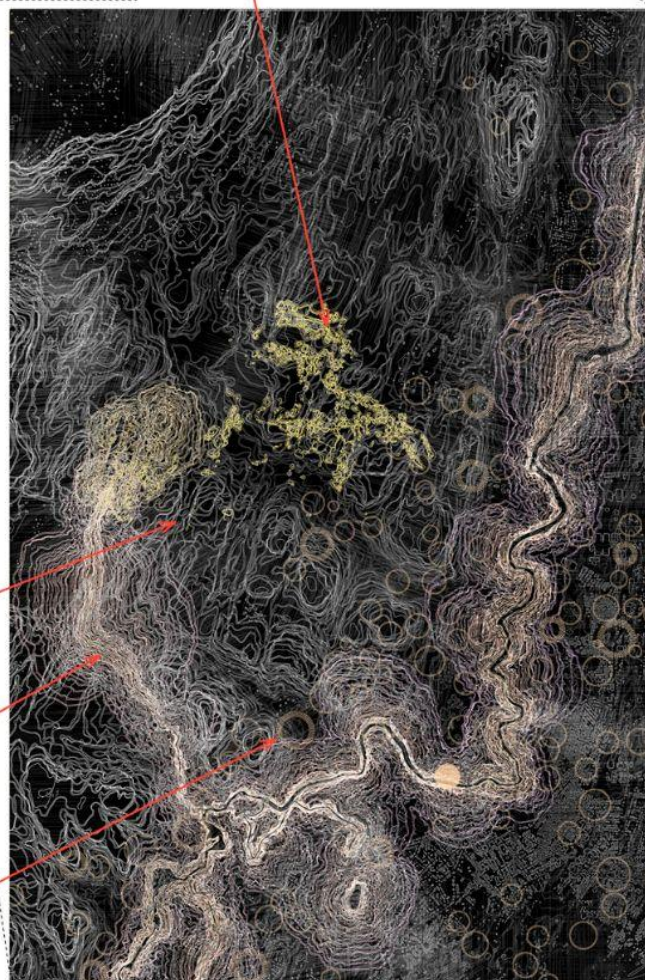
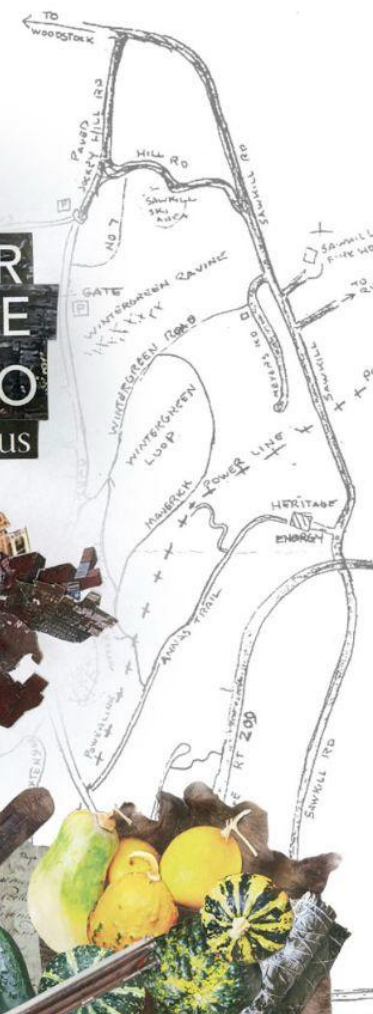
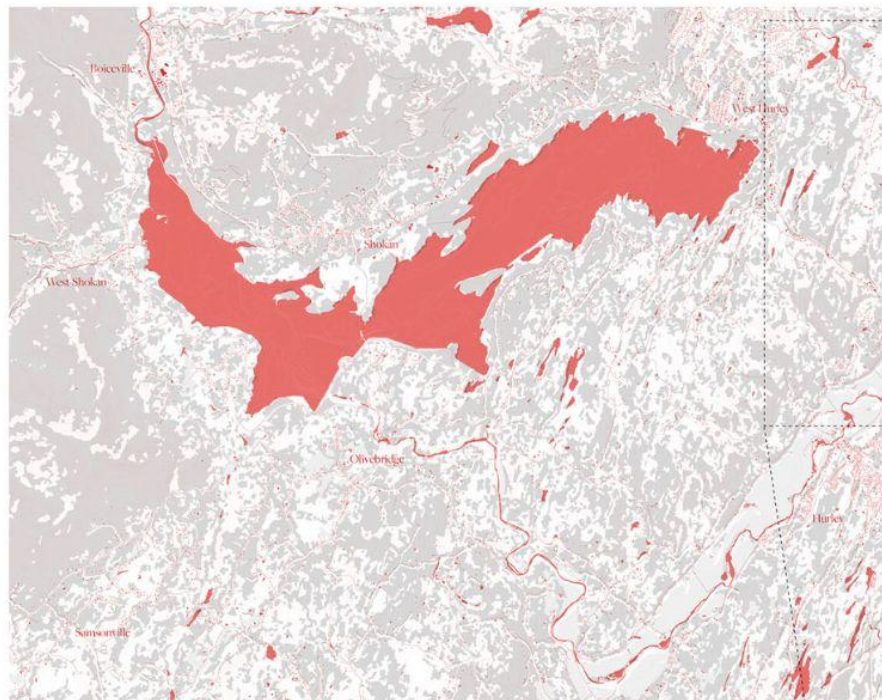
Lower Esopus  
Creek

Kingston, NY

Hudson River



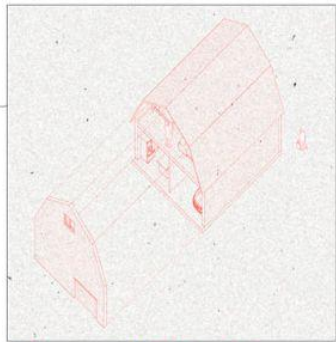




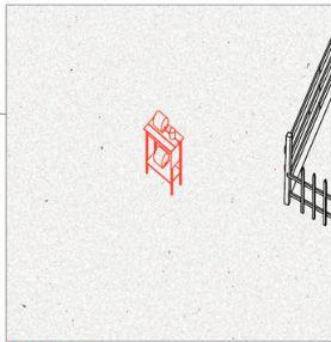




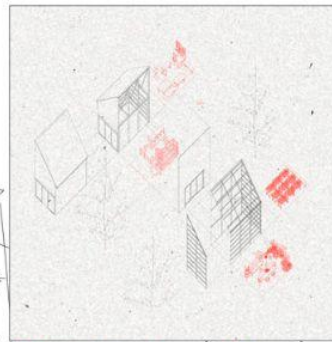




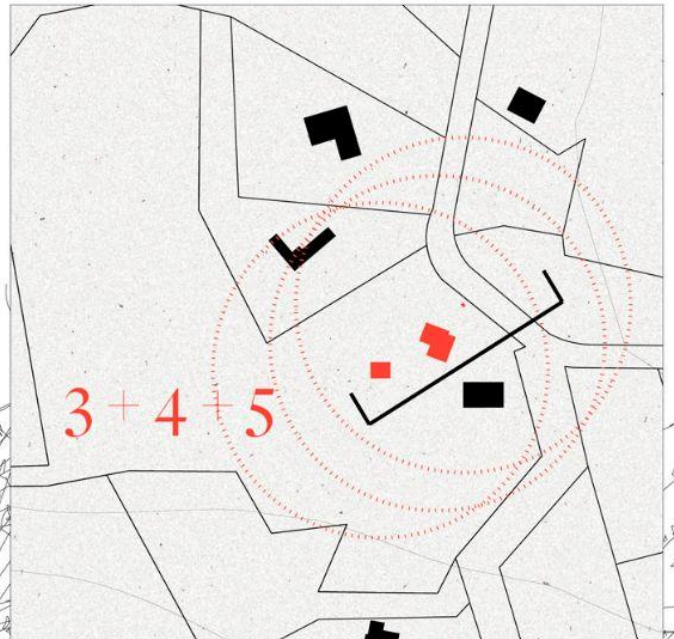
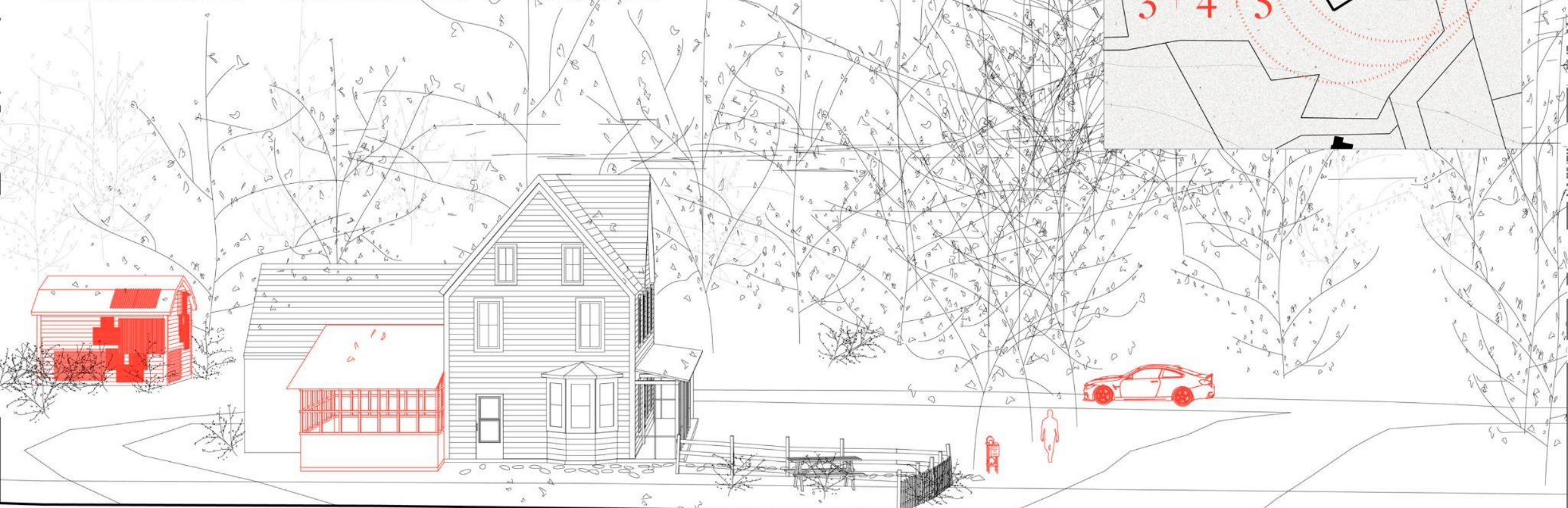
**3. Accessory Dwelling Unit**  
leverages pre-existing tourism market  
as secondary income source for locals



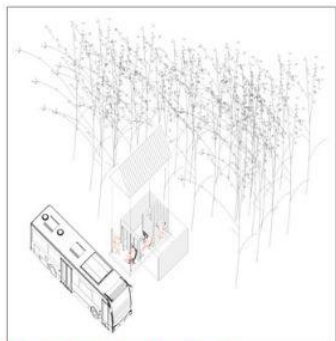
**4. Stand**  
fosters secondary economic model  
based on needs & communal honor



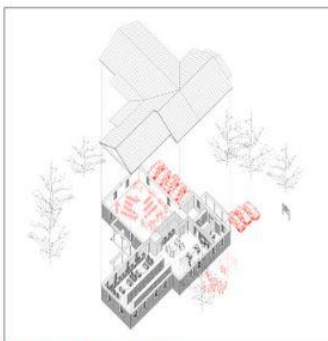
**5. Barn / Greenhouse / Shop**  
External structure for developing  
artisanal goods & services



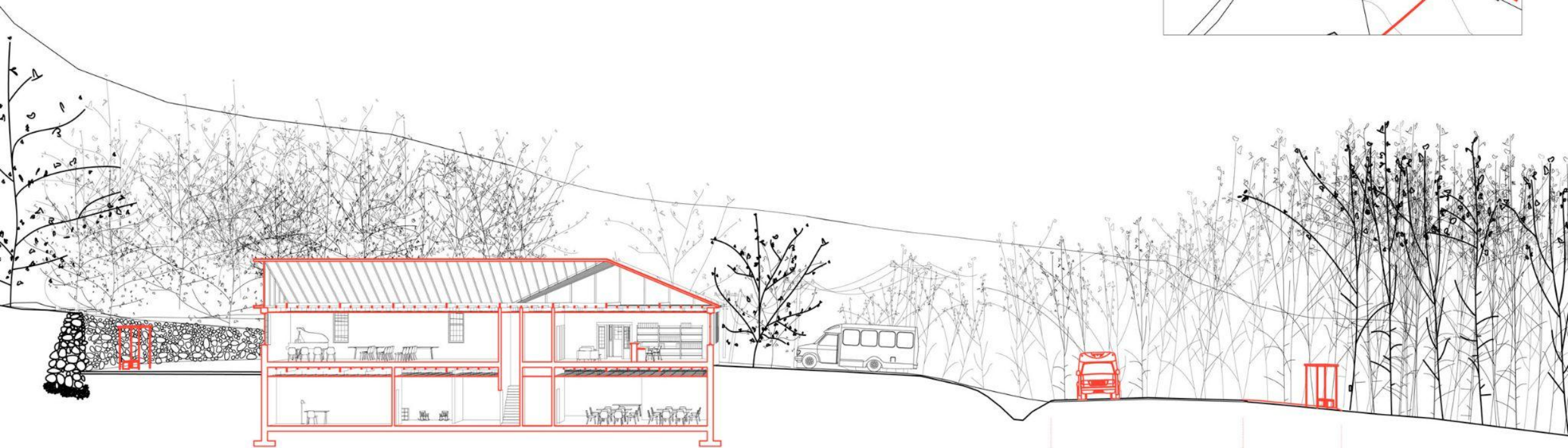
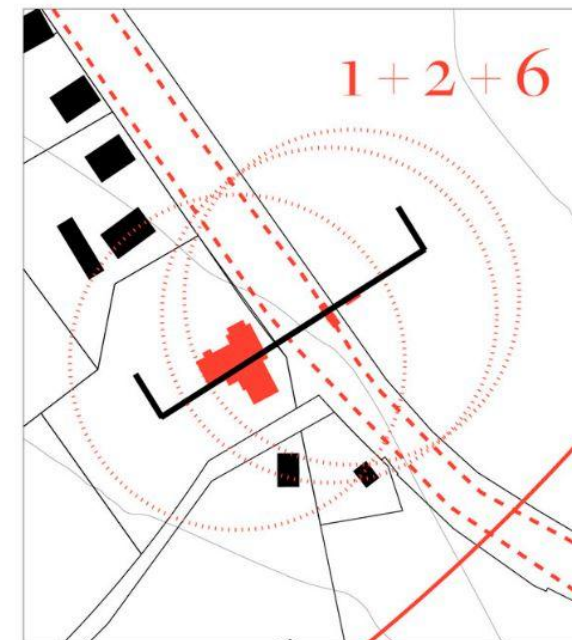




**1 & 2. Ashokan Bus Strategy**  
Improved infrastructure to connecting toolkits and people across the reservoir



**6. Olive Free Library**  
communal hub linking bottom-up toolkits



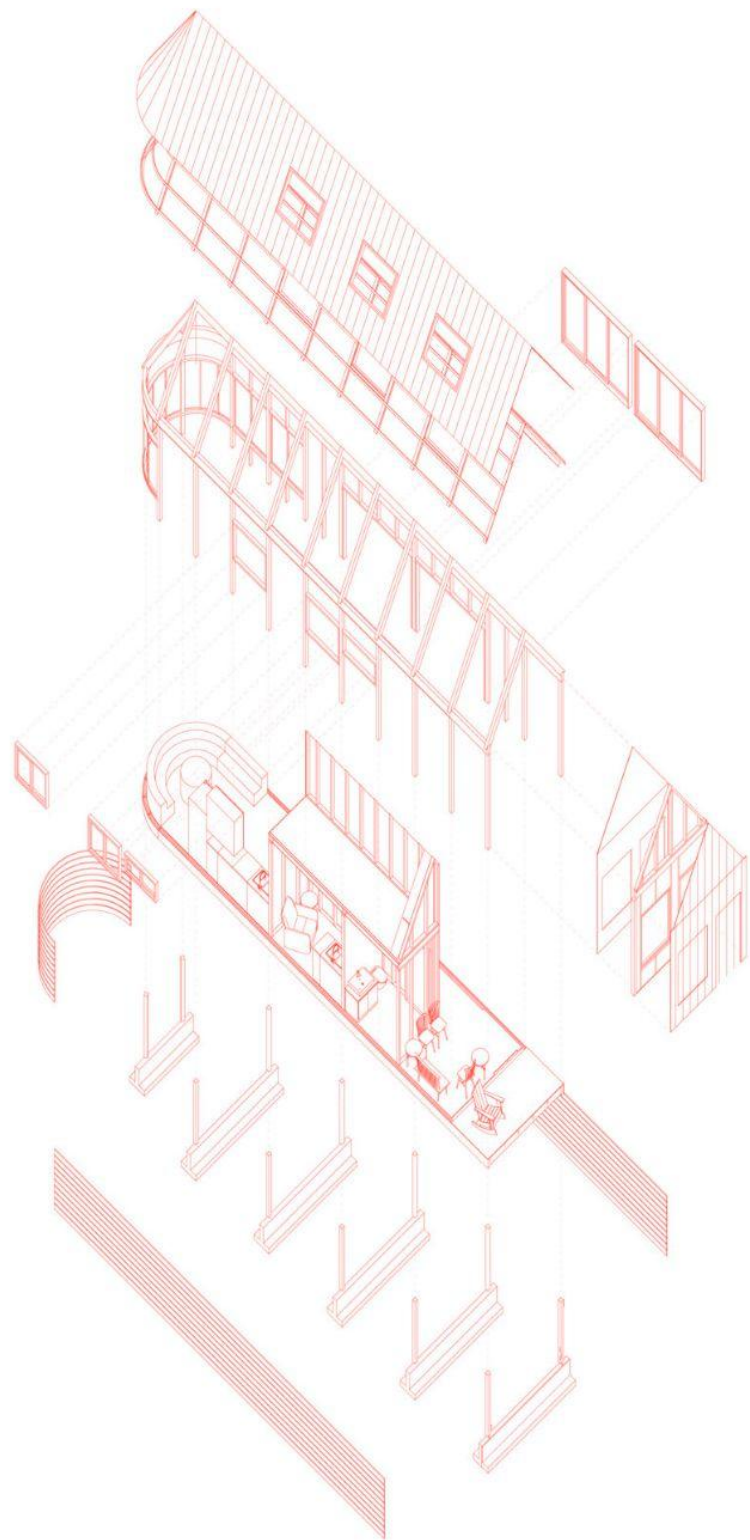
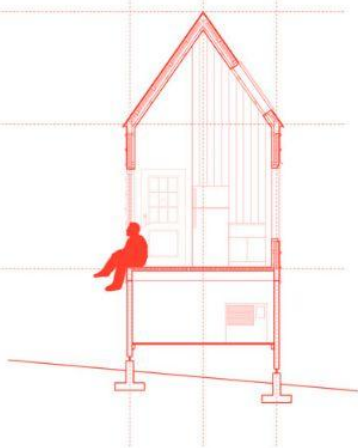
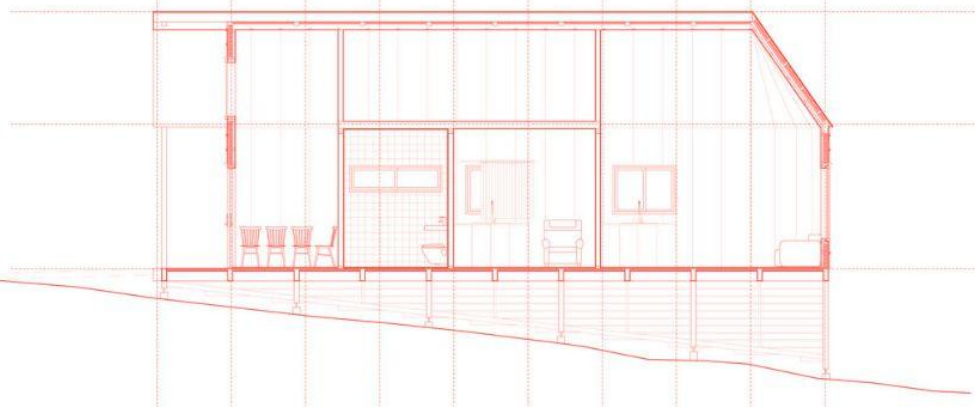
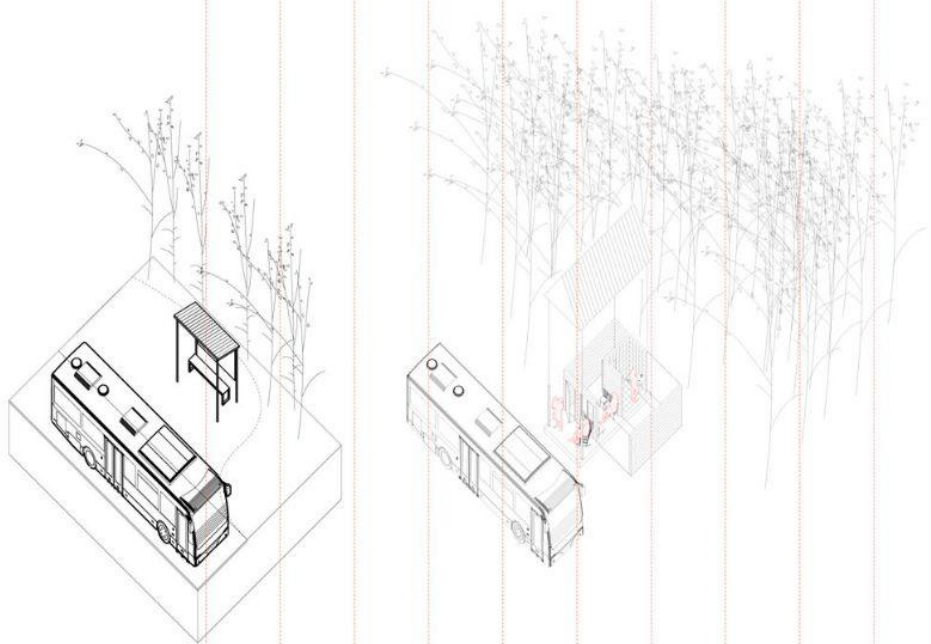
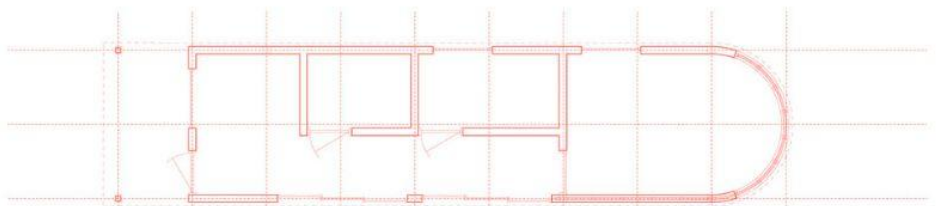
Ashokan Loop  
Bus Stop

Olive Free Library

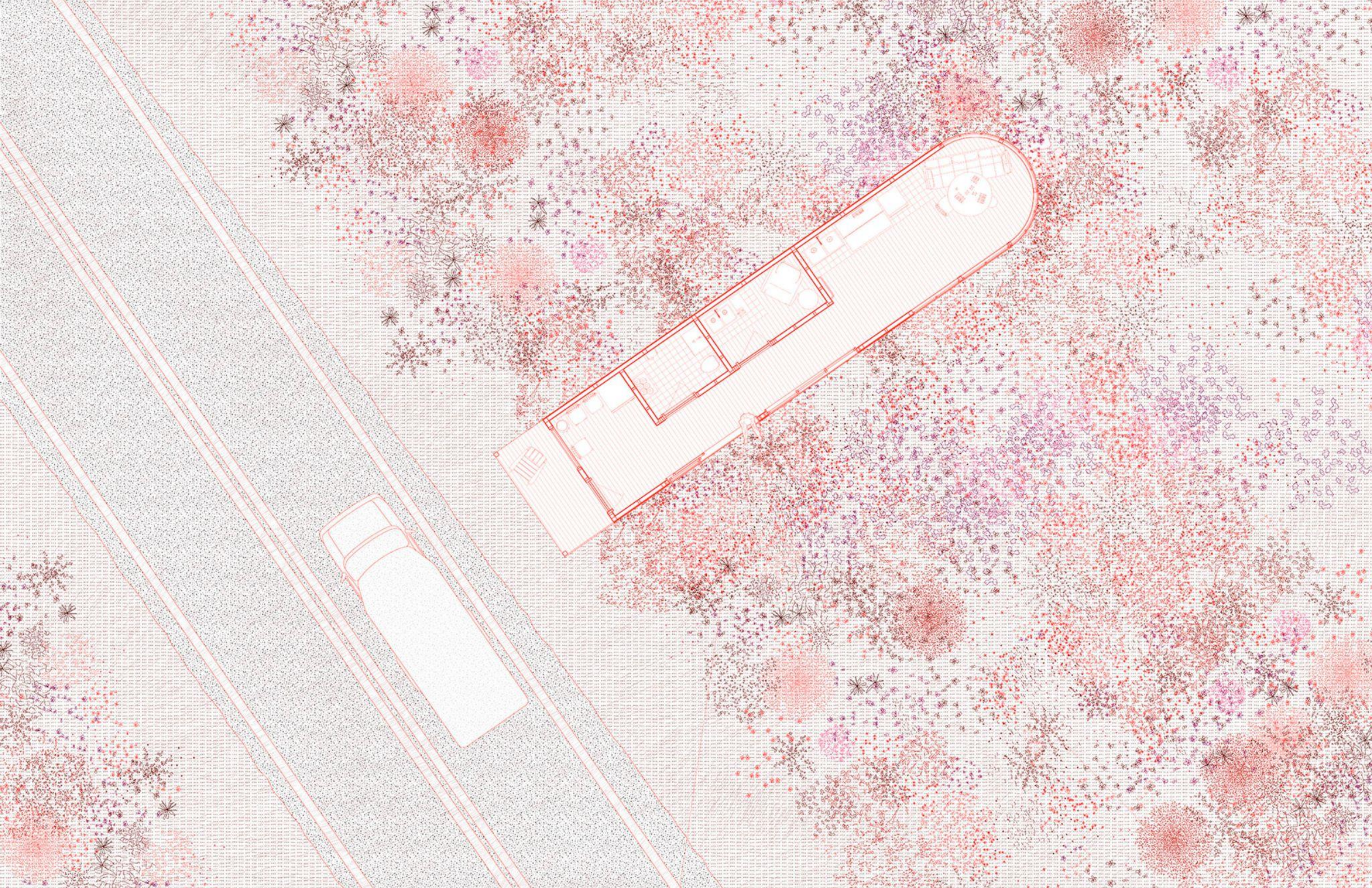
NYS Route 28A

Ashokan Loop  
Bus Stop



















Architectural and landscape design portfolio spread. The spread is organized into a grid of 12 columns and 8 rows, with each page containing a mix of text, diagrams, and images. The pages are numbered 1 through 12 in the top right corner of each column. The content includes:

- Page 1:** Introduction to the project, discussing the history of the site and the goals of the design.
- Page 2:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 3:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 4:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 5:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 6:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 7:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 8:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 9:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 10:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 11:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."
- Page 12:** A diagram showing the site's location within a larger context, with a caption: "The site is located within the larger context of the city and region."



# THE CORRIDOR CONCERT

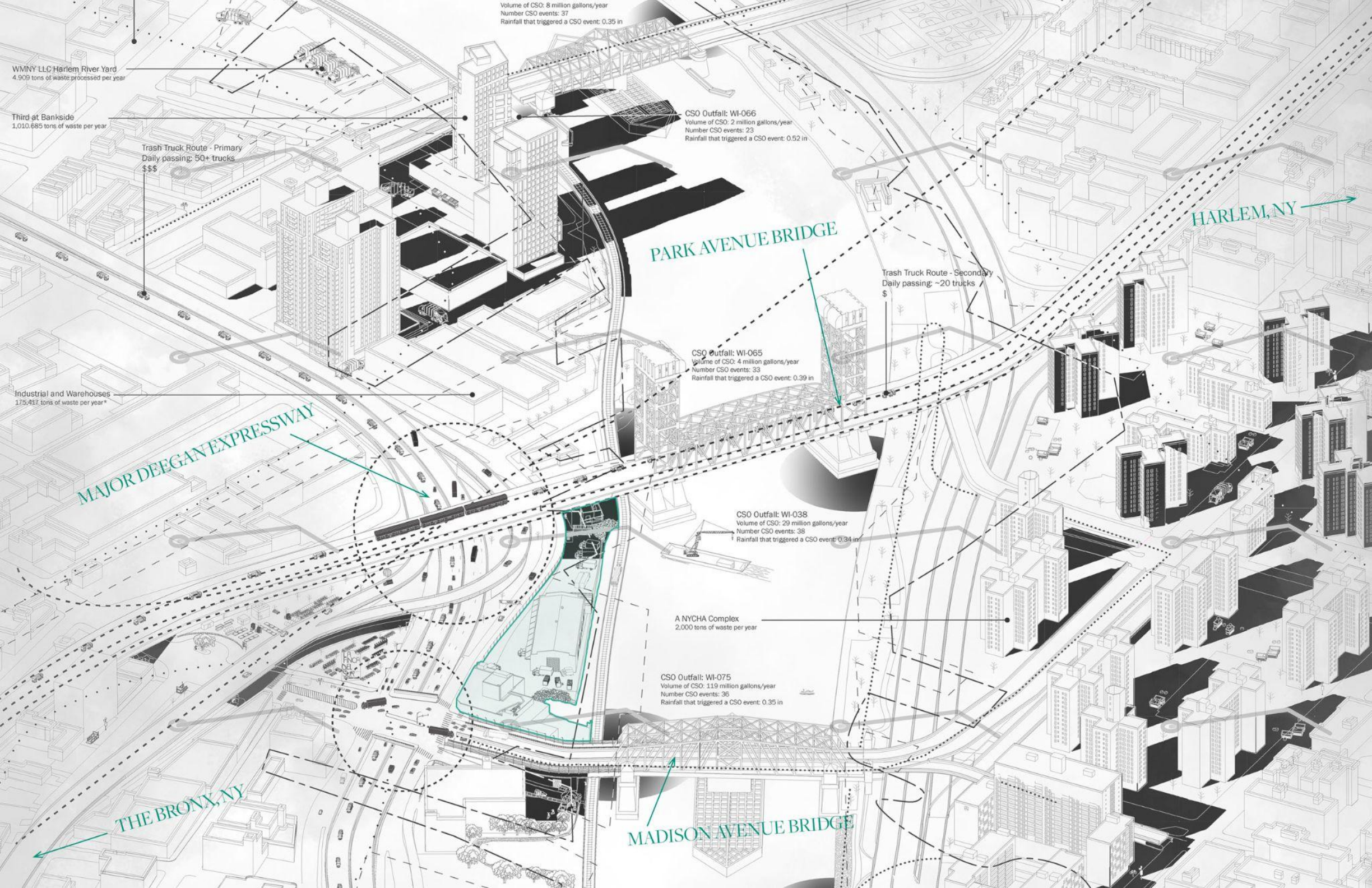
housing for clean air &  
new public spaces.



location:  
professor:  
collaborator:  
year:

The Bronx, NY  
Esteban de Backer  
Maura Costello  
Fall 2022





Volume of CSO: 8 million gallons/year  
Number CSO events: 37  
Rainfall that triggered a CSO event: 0.35 in

WMNY LLC Harlem River Yard  
4,909 tons of waste processed per year

Third at Bankside  
1,010,685 tons of waste per year

Trash Truck Route - Primary  
Daily passing: 50+ trucks  
\$\$\$

Industrial and Warehouses  
175,417 tons of waste per year\*

MAJOR DEEGAN EXPRESSWAY

PARK AVENUE BRIDGE

HARLEM, NY

Trash Truck Route - Secondary  
Daily passing: ~20 trucks  
\$

CSO Outfall: WI-066  
Volume of CSO: 2 million gallons/year  
Number CSO events: 23  
Rainfall that triggered a CSO event: 0.52 in

CSO Outfall: WI-065  
Volume of CSO: 4 million gallons/year  
Number CSO events: 33  
Rainfall that triggered a CSO event: 0.39 in

CSO Outfall: WI-038  
Volume of CSO: 29 million gallons/year  
Number CSO events: 38  
Rainfall that triggered a CSO event: 0.34 in

A NYCHA Complex  
2,000 tons of waste per year

CSO Outfall: WI-075  
Volume of CSO: 119 million gallons/year  
Number CSO events: 36  
Rainfall that triggered a CSO event: 0.35 in

THE BRONX, NY

MADISON AVENUE BRIDGE

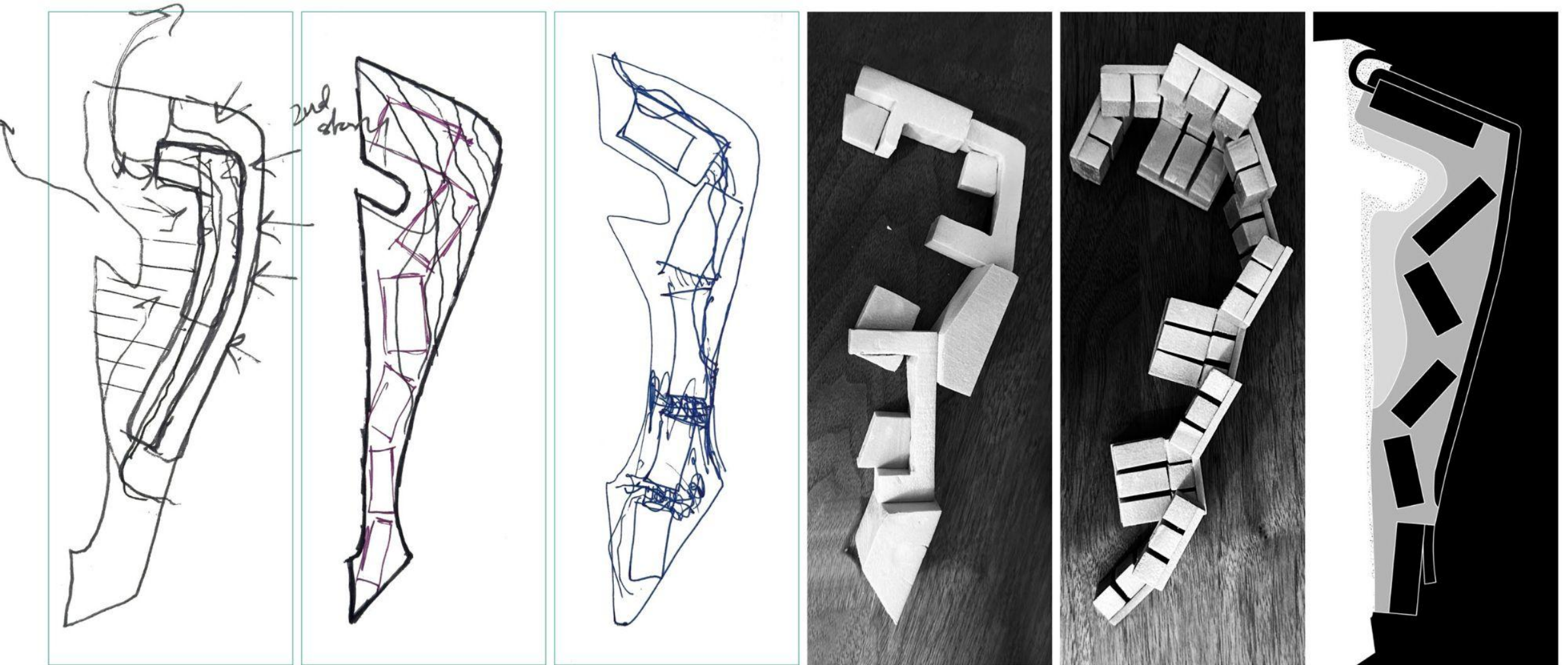


[illegible][illegible]

<b>ASTHMA</b>	Child visits to the GP for asthma emergencies are almost 3 times higher in Mums than NCT overall
<b>CHILDREN'S SLIMS</b>	The correlation between adipose index and poor mental health is higher in children with early biological risks



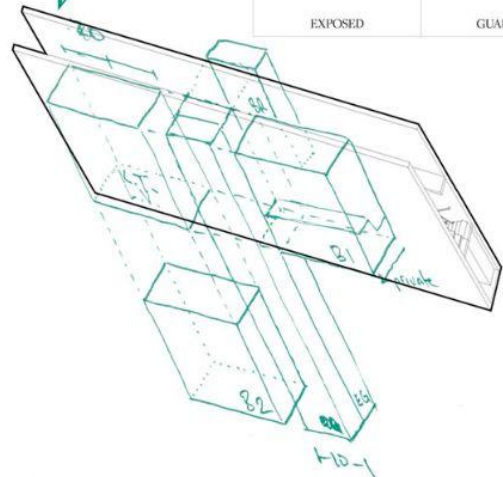
# DEVELOPING SITE DEVELOPING SITE



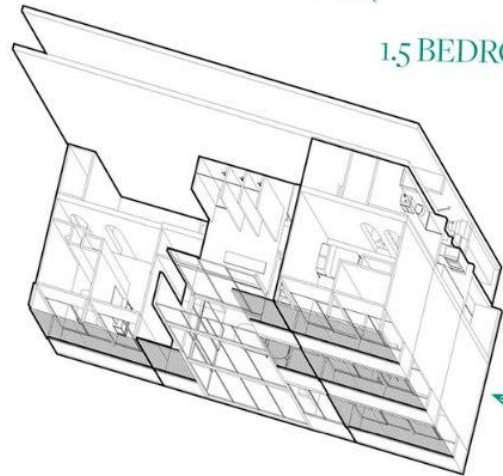


WET WALL  
CORRIDOR

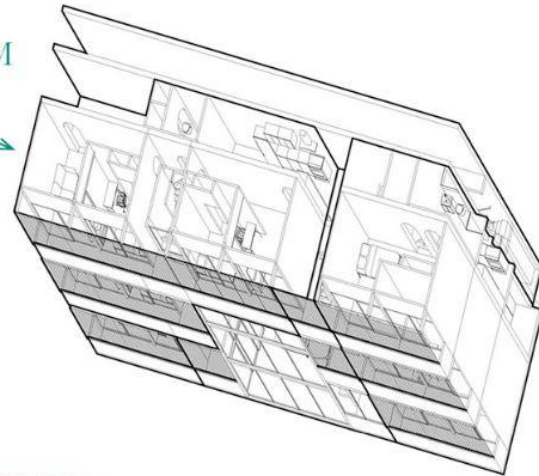
TEMPORARY	SEMI-GUARDED	DIVIDED	SUB-DIVIDED	INSULATED
INTEGRATED	RESOURCE	HIERARCHICAL	BUSY	DEPENDENT
EXPOSED	GUARDED	COOPERATIVE	BURIED	NON-HIERARCHICAL



COMMONS

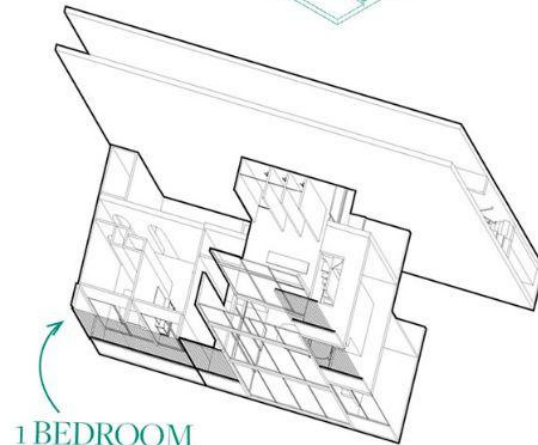


1.5 BEDROOM

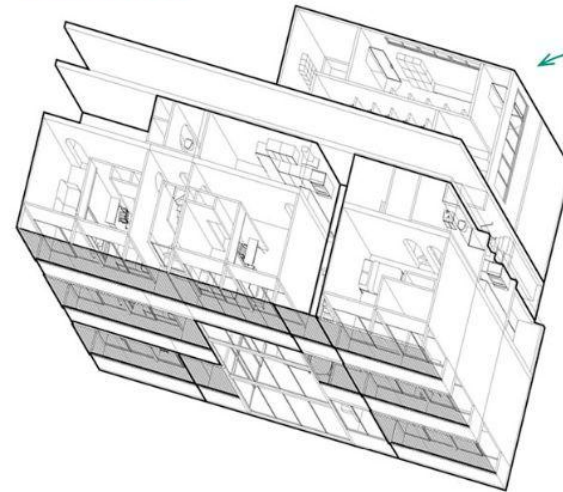


2 BEDROOM

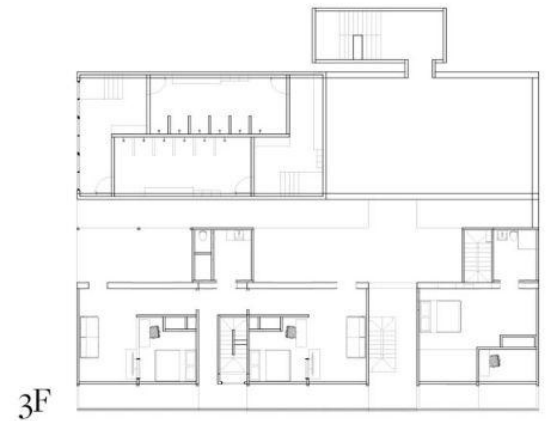
# UNIT PROTO- TYPE



1 BEDROOM



PUBLIC BATHS



3F



2F



1F



MICRO UNIT 200 SF  
 STUDIO 300 SF  
 1 BEDROOM 300 SF  
 500 SF  
 1.5 BEDROOM 500 SF  
 600 SF  
 2 BEDROOM 700 SF

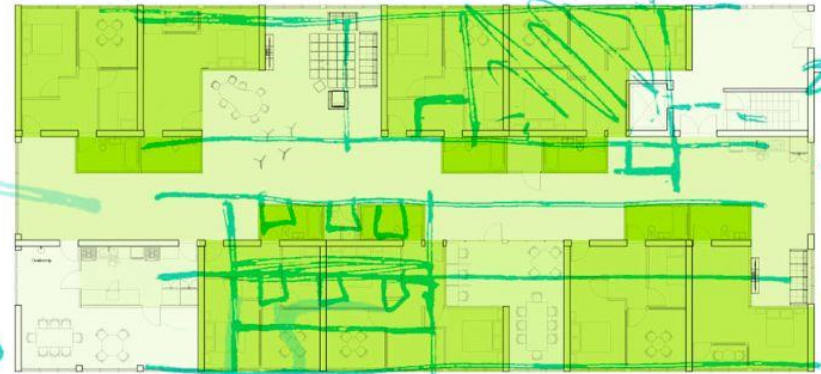
- 0-13
- 13-22
- 22-65
- 65+
- SINGLE
- INTIMATE

# UNITS

Dry Area 10'  
 Wet Area 10'  
 Corridor 5'  
 Wet Area 10'  
 Dry Area 10'



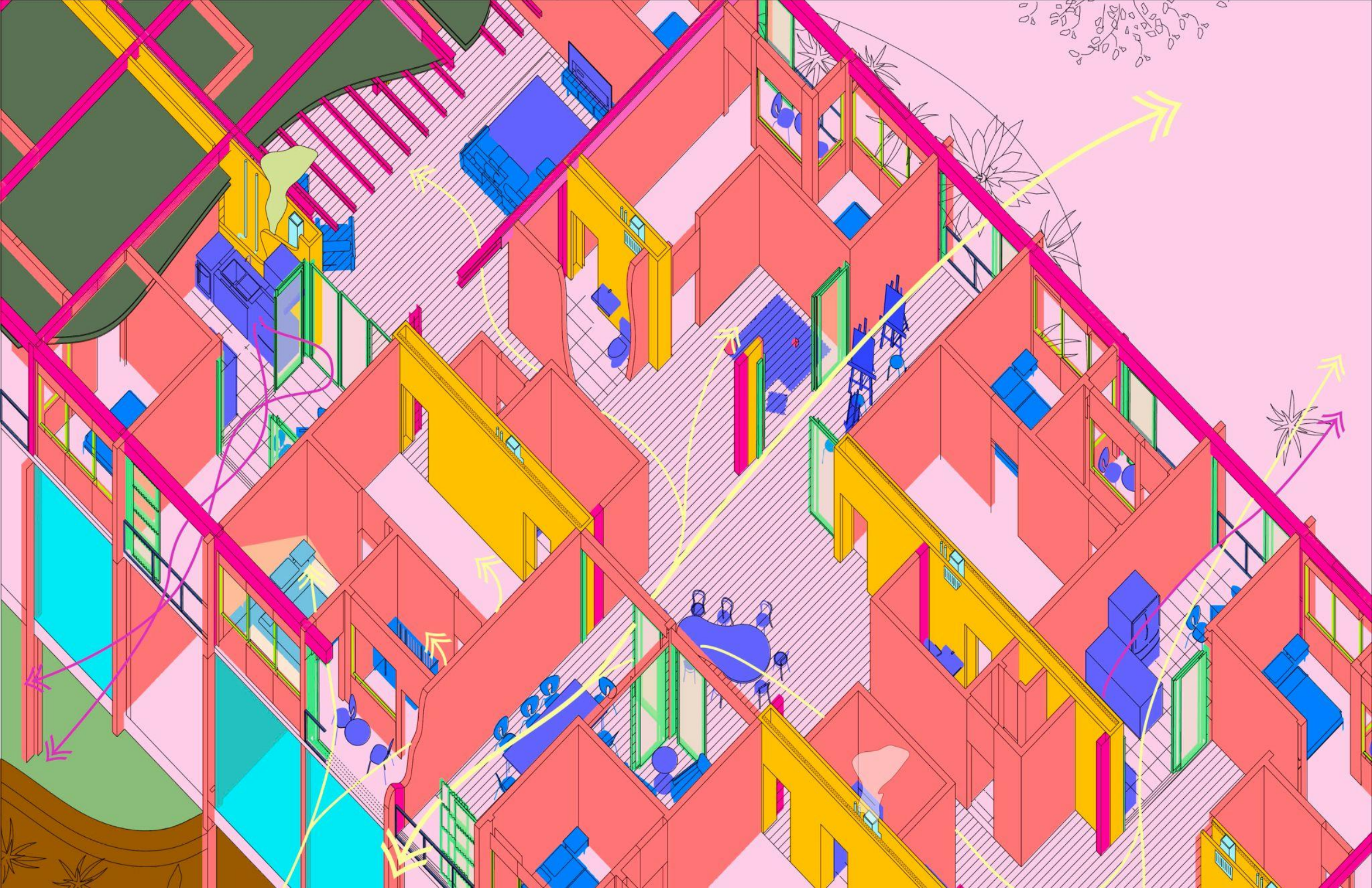
LIGHTING



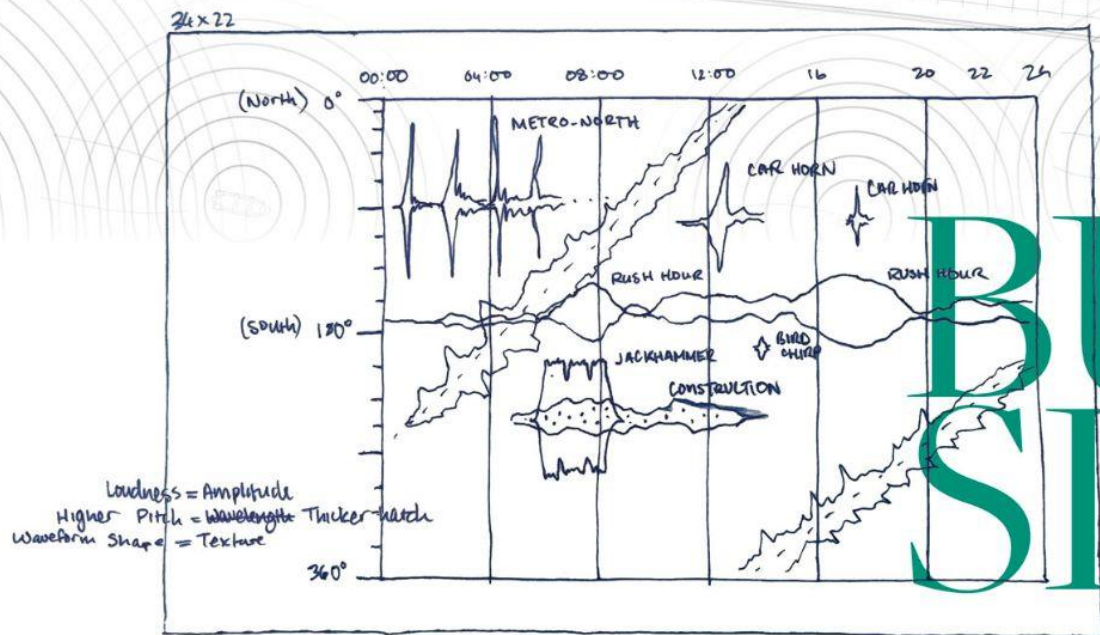
IN—OUT











# BUFFERING SITE NOISE



# AIR FILTRATION

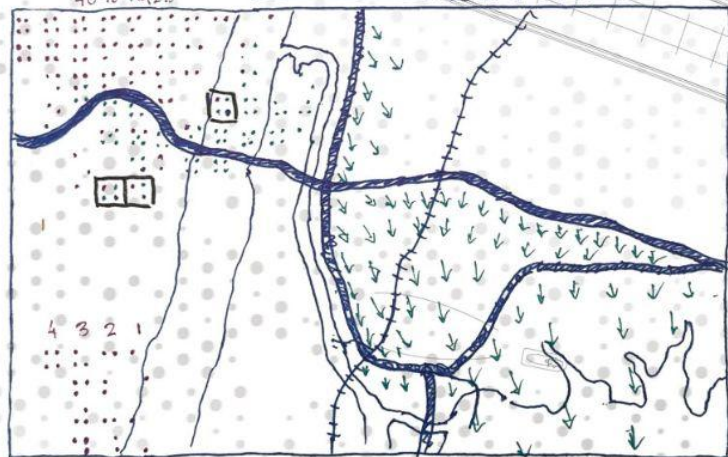
POLLUTANTS

STREET LEVEL

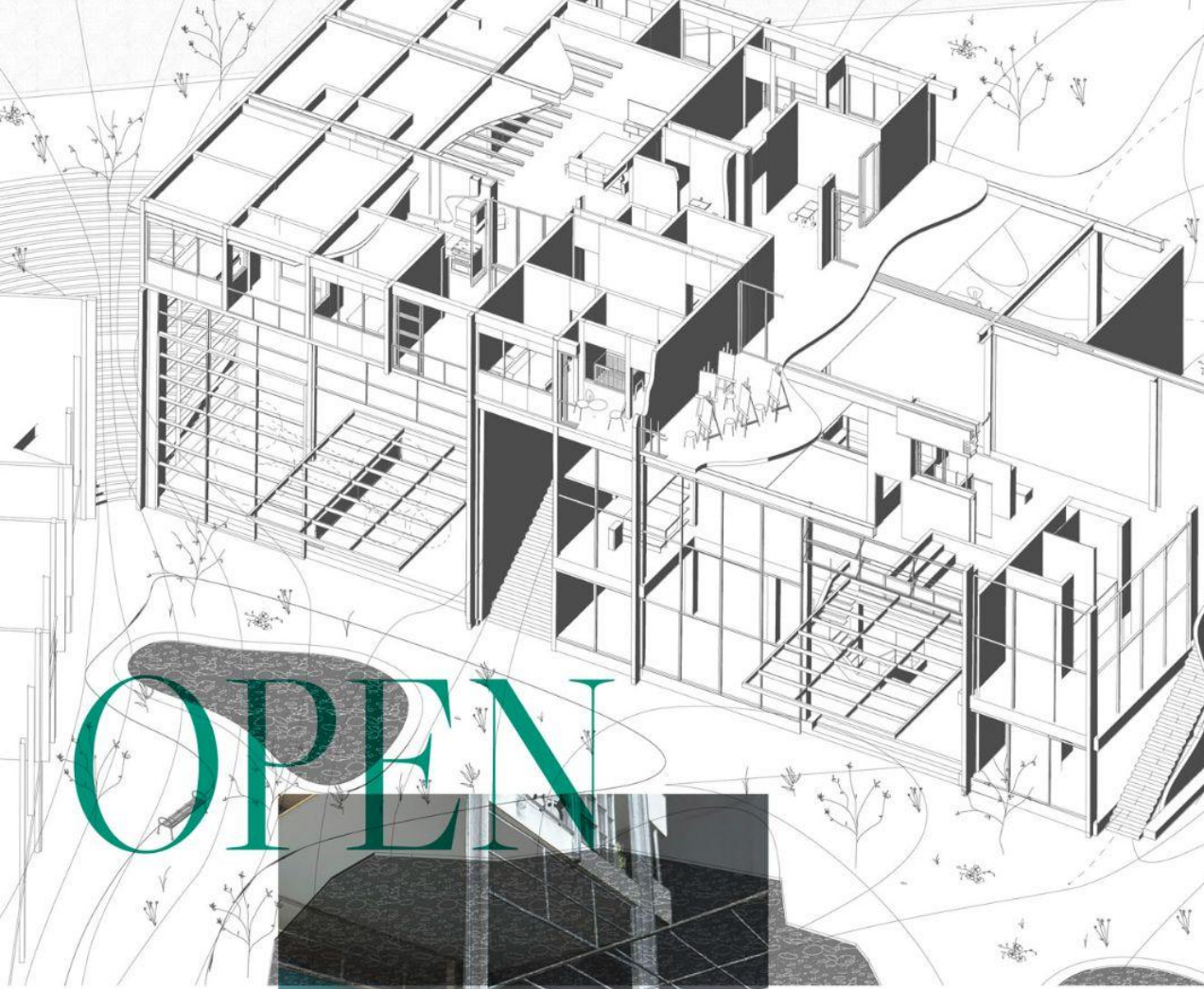
VEGETATION FILTER

SO<sub>2</sub>  
NH<sub>3</sub>  
NO<sub>x</sub>  
PM<sub>2.5</sub>  
PM<sub>2.5</sub>

- Agriculture Ammonia 40% PM<sub>2.5</sub>
- ~~Manufacturing~~ Factory SO<sub>2</sub>
- Motor Vehicles NO<sub>x</sub> 60% & PM<sub>2.5</sub>







SHOWERS

OPEN

PUBLIC  
ACTIVITY



TENNISCOURT  
ATRIUMS

OPENING TO  
STREETSIDE

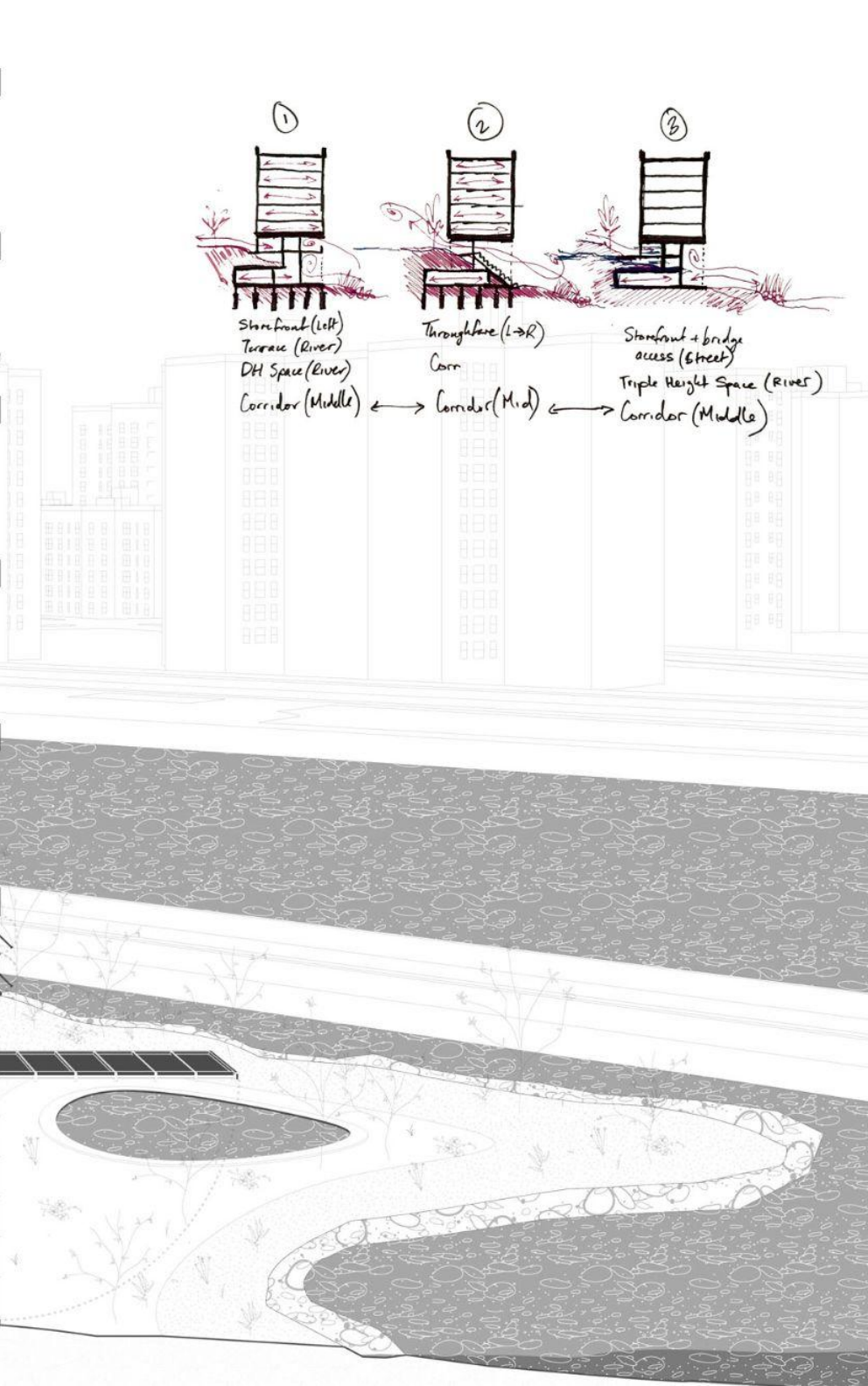
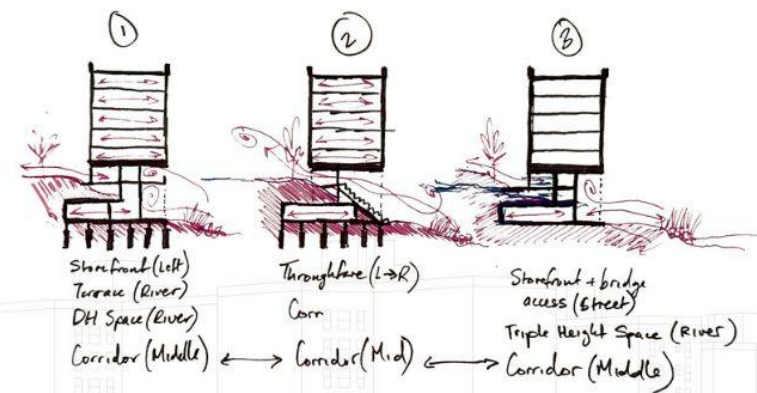
DOUBLE-HEIGHT  
OPERABLE GARAGE

REWILDED  
WATERFRONT

ACTIVITY









11/08

Who is this "air" character? 11/08

After speaking to my therapist on Tuesday, he told me at the end to "acknowledge my feelings." But he said it in a way that confounded me. He spoke in conversation: "I acknowledge you. I have not forgotten you..." — WHO IS YOU?! Obviously it's ME, but why didn't I make that connection?! I've never spoken to myself like that! I've never personified my feelings — maybe that's what he means or part of what it means to "embody them." It's a part of me but I've always thought of my own thoughts as a separate person — not me!

This reminds me of the idea from certain indigenous cultures that treat all "natural" or "earth-made" objects as people — or giving them the same pronouns as living things or people — "he, she, they" not just "it" as like objects with no soul. I can't understand how that would translate to air, but there seems to be potential exploration in personifying the "air."

What's in a name? This reminds me that naming things often allows you to get attached to things. Katie Anderson at Bard Graduate Center

said the same thing about studying zebra finch brains — of course because she has to tell them to access their brains so naming becomes a troublesome act

# Drawing Air

what does it mean to try and draw air, the invisible, or the ubiquitous?

Exhibition To-Do list

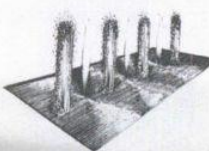
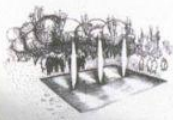
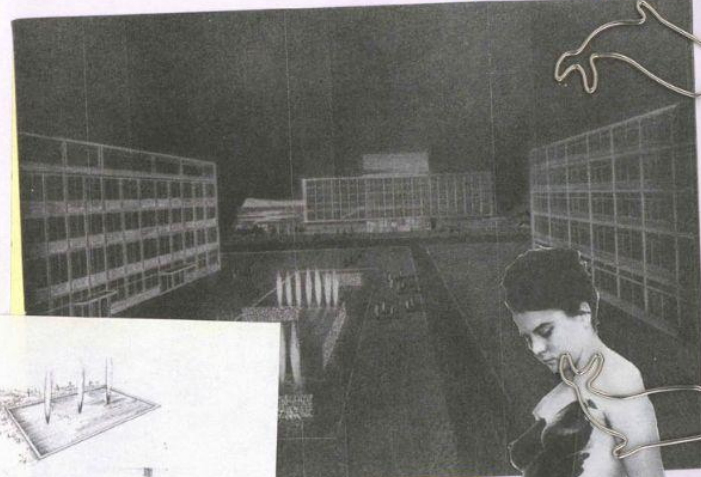
~~Yves Klein~~ Notes on YK Air Architecture

- Fire walls + fountains, what is it about fire that is architectural

→ no shape, no volume  
→ There is gaseous quality  
→ breathing  
→ Energy, heat, temperature

"Fontaines of mure de feu"

Chalk on paper  
He rendered an idea — never realized



I see now, this Pucker is talking about making architecture components out of fire

spray paint body as canvas?



High combustion resistance

location: New York, NY  
professor: Yussef Agbo-Ola, Cory Archie  
year: Fall 2023  
collaborators: Duncan Tomlin, Jared Orellana, Qingyan Fan



# Comics, Poems, and Stories on Air

## white space

don't you just love  
a good dose of white space

okay so hear me out:

verbal white space

"shhh..."

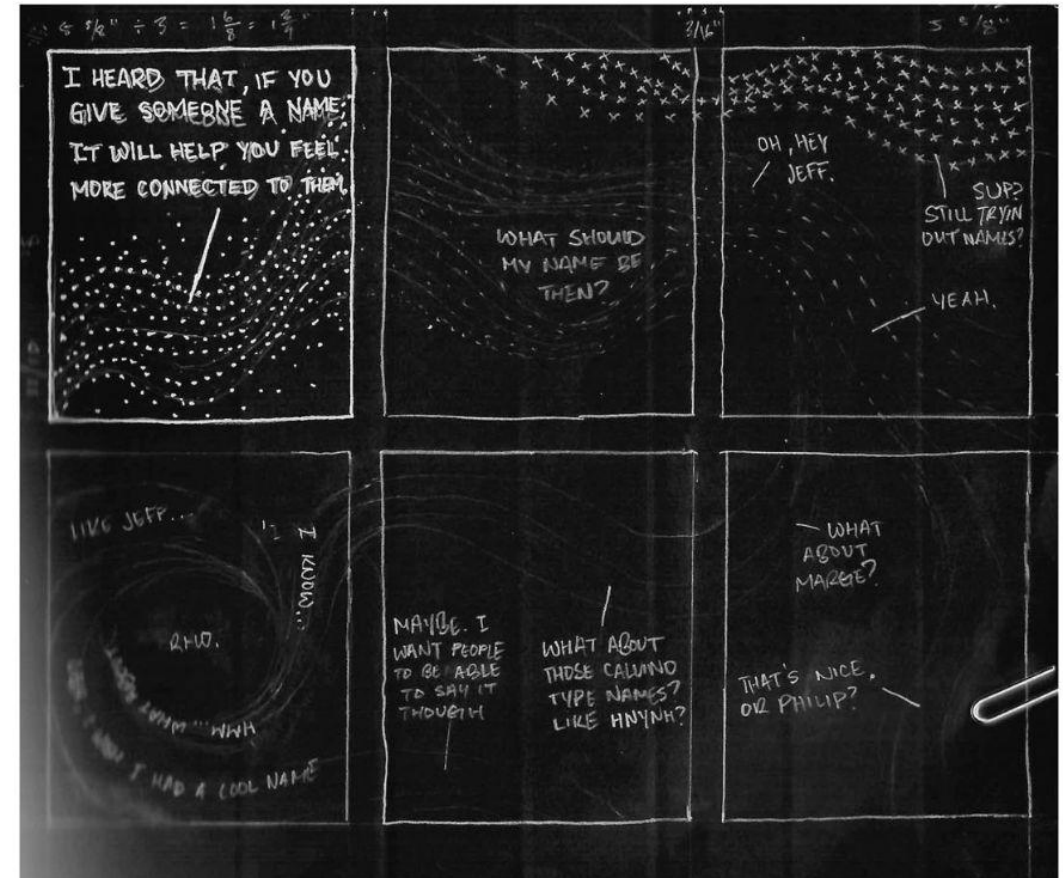
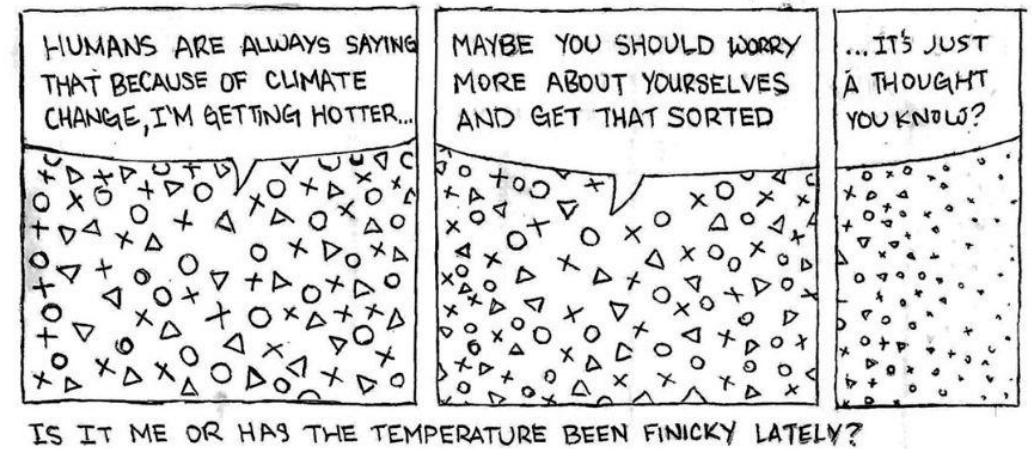
don't speak

## "so why is the sky blue?"

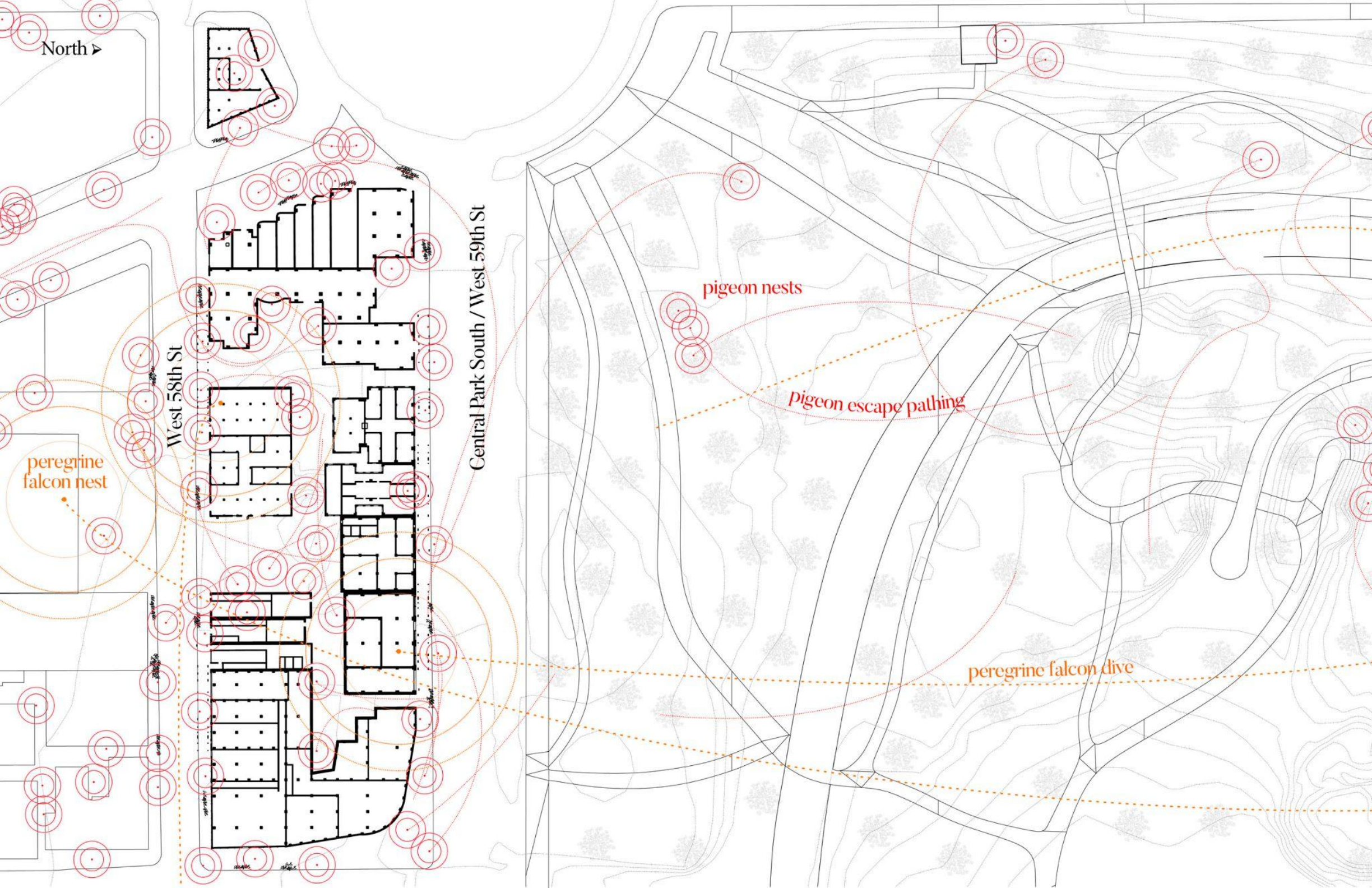
i asked, not cosmically  
blinding, nebulously  
unceasing with everything  
out there that is not blue.

the subtleties in clouds,  
an obfuscative howl in  
semi-soft-loud whistling  
a passing zephyr snapped

"why not ask the sky itself"  
why its timbres, hums,  
and drums those comings  
and goings are blue







North ▸

West 58th St

Central Park South / West 59th St

peregrine falcon nest

pigeon nests

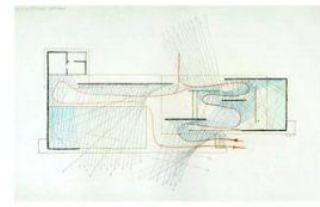
pigeon escape pathing

peregrine falcon dive



# Drawing

wind map by hint.fm

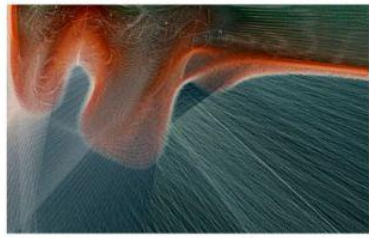
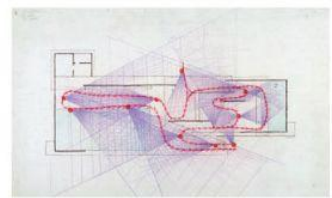


Paul Rudolph, "reflections"

## Methods

### AIR AS A VECTOR?

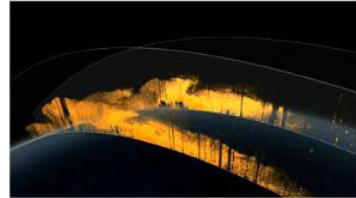
- PATHS
- LINES
- STROKES
- BELTS
- TRAJECTORIES
- BOUNDARIES
- WHISTLES
- Nodes



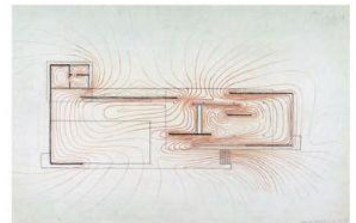
Young & Ayata, "Atmospheres" + "Condenser"

### AIR AS A FIELD

- FIELD CONDITIONS
- MATRICES
- GRADIENTS
- ELECTROMAGNETISM



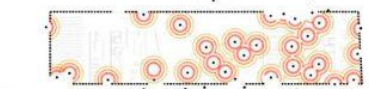
NASA Saharan Dust Slices



PR, density, "magnetic fields"



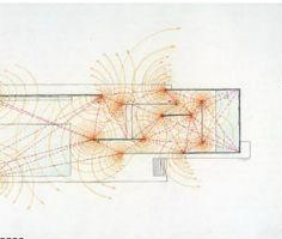
Barry Le Va Six Lines



nug architecture, Puig de Sa Morisca

### AIR AS A WAVE?

- CYCLES
- RHYTHMS
- SOUNDS
- WAVELENGTHS
- FREQUENCIES
- AMPLITUDES
- NODES



????



re-Forming Clouds

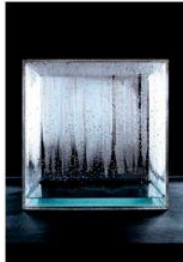
## Notations

### AIR AS VOLUMES

- SPACES
- INSIDES
- ENVELOPES
- MEMBRANES
- CONTAINERS
- BALLOONS
- INFLATABLES
- PARACHUTES



Ant Farm



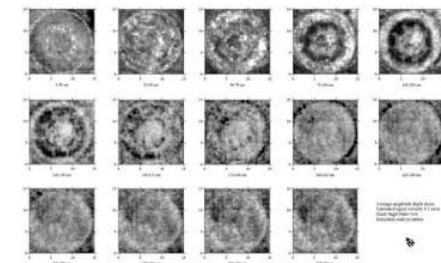
Hans Haacke Condensation cube

## Cataloguing

## Technologies

### AIR AS A SLICE

- SLIDES
- SECTIONS
- MOMENTS
- INSTANCES

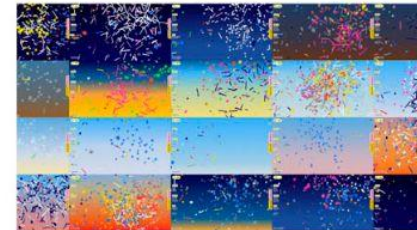


DRAWING "CARBON" --- MEMORY

## Models

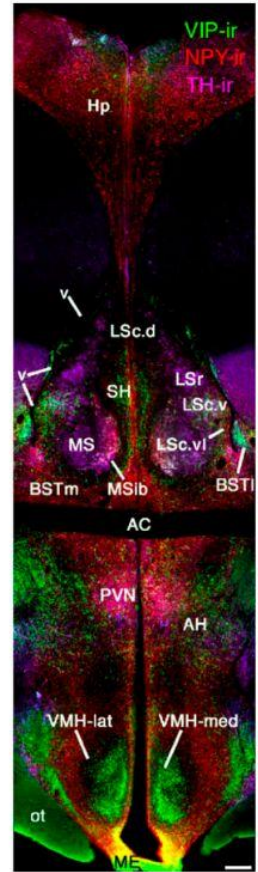
### AIR AS PARTICLE

- MOLECULE
- PARTICULATE MATTER
- ELEMENTS
- POLLUTANTS
- AEROSOLS
- NEURONS
- ATOMS
- CELLS
- PIXELS
- DENSITIES



Galo Canizares, STRATA

Giorgia Lupi, Plastic Air



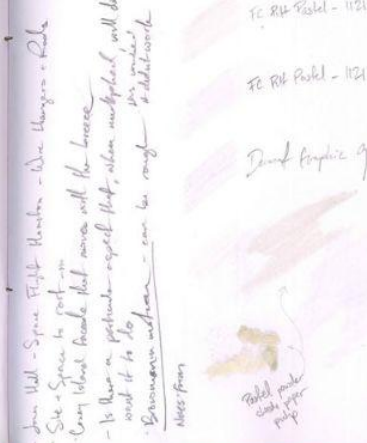
Goodson, 2005, "the vertebrate social behavior network," *Hormones and Behavior*  
Chemoarchitectural themes of the social behavior network as exemplified in songbirds

Phoenix Yang & Aaron

Mate

Victor Hwang, Mater low-carbon web





12:28  
 < Back  
 on account of space  
 with extra and  
 space a fourth glass box  
 what was burning off the stand  
 12:28  
 < Back  
 section side  
 room height profile - different places  
 circulation? via fan?  
 best collection from the ground at old  
 gate area 13 square  
 large scale drawing of site in a plan  
 showing 20 square - more in green  
 area of outdoor courtyard  
 "small sketch" - design drawing describing  
 materials, scale, and numbers  
 something about immovability?  
 hypothetical ground?

11:17 @ 10:16 AM  
 To-Do List  
 1. Exhibition Planning & Design  
 1. Drawing of exhibit elements  
 2. Budget & inventory things  
 3. Create small detail model  
 2. "Artworks" is Made  
 1. Environmented Package?  
 2. Model or Model Drawings

[illegible]





WHOLE MILK VITAMIN D  
Nutrition Facts  
Serving Size 1 cup (240 mL)  
Amount Per Serving  
Calories 150

	% Daily Value*
Total Fat 8g	16%
Cholesterol 10mg	20%
Total Crap 15g	30%
Calories 150	

\*Percent Daily Values are based on a diet of other people's secrets.







# Stills from an Essay in Audio-Video

How Do You Draw Air?

invisible

\*burnout and crushed dreams\*

Part I  
Air is...Space?  
(AKA Space is Not Empty)

MODERNITY

air = space 🍌

TABULA RASA  
täb(ü)lä räza

Mean:  
1. An absence of preconceived ideas or predetermined goals; a clean slate.  
2. The human mind, especially at birth, viewed as having no innate ideas.  
3. Something new, fresh, unmarked, or uninfluenced.  
Origin: Latin for 'blank slate'

Absence  
Learning From Silence

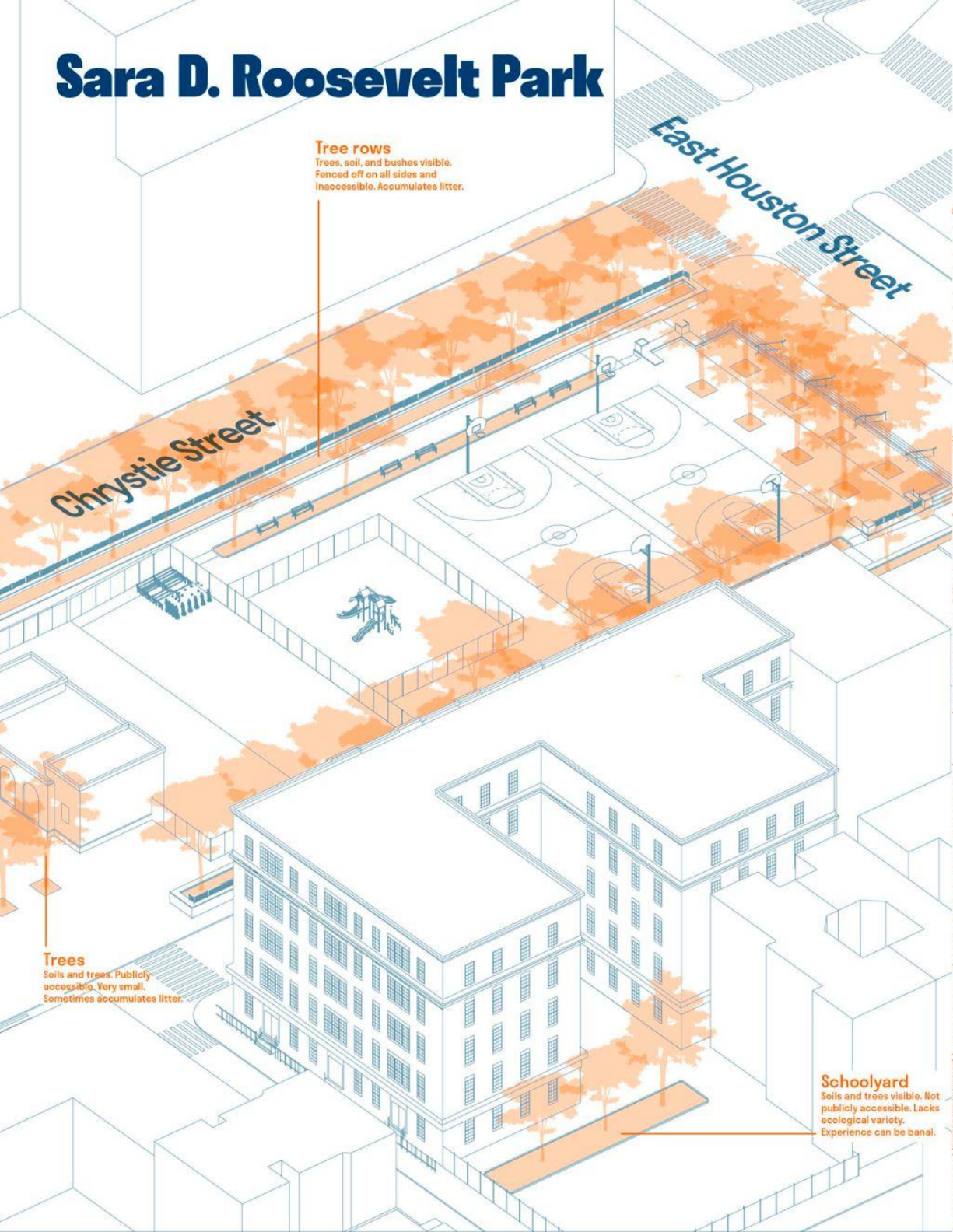
MANUAL  
OF  
SECTION  
COLLECT THEM ALL!







# Sara D. Roosevelt Park



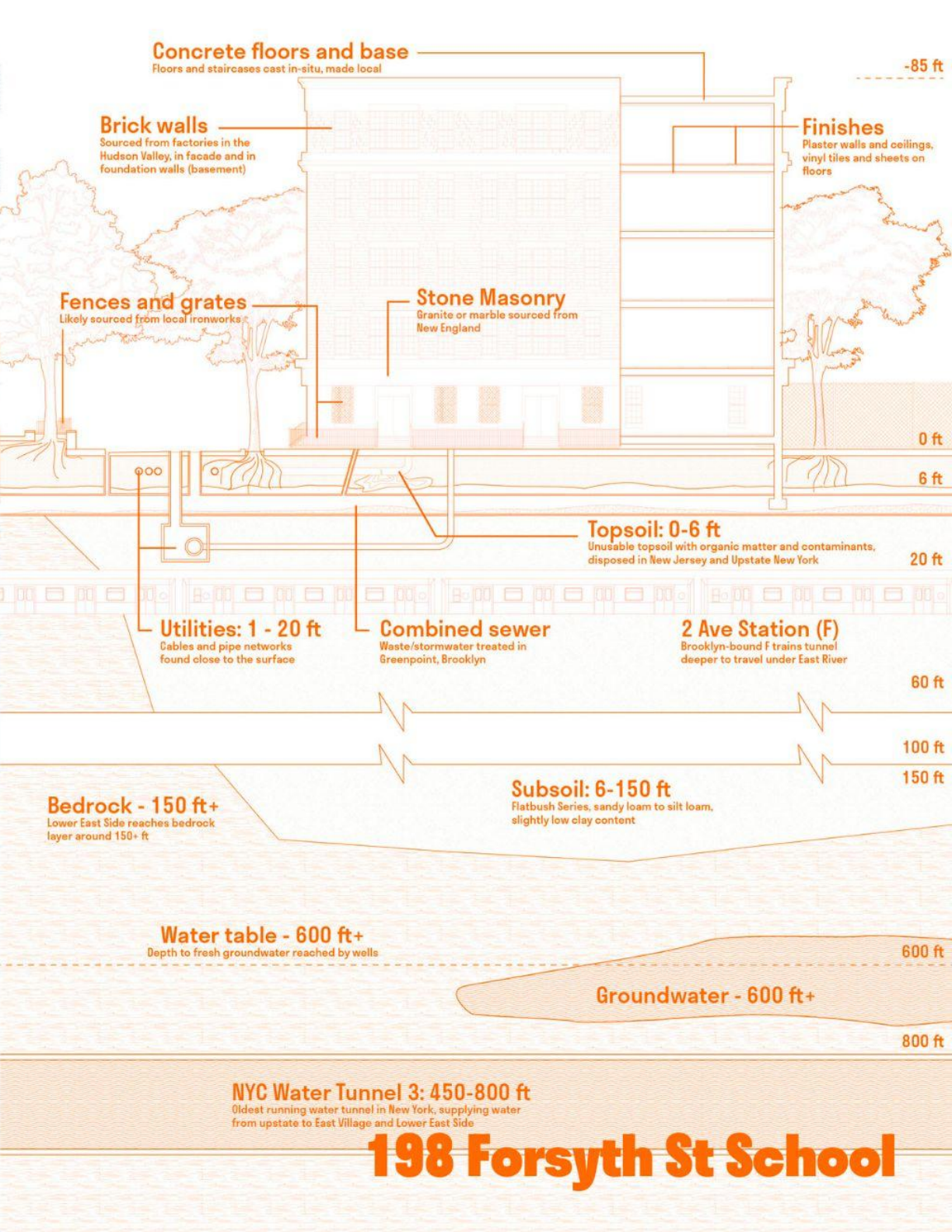
**Tree rows**  
Trees, soil, and bushes visible.  
Fenced off on all sides and  
inaccessible. Accumulates litter.

**Chrystie Street**

**East Houston Street**

**Trees**  
Soils and trees. Publicly  
accessible. Very small.  
Sometimes accumulates litter.

**Schoolyard**  
Soils and trees visible. Not  
publicly accessible. Lacks  
ecological variety.  
Experience can be banal.



**Concrete floors and base**  
Floors and staircases cast in-situ, made local

-85 ft

**Brick walls**  
Sourced from factories in the  
Hudson Valley, in facade and in  
foundation walls (basement)

**Finishes**  
Plaster walls and ceilings,  
vinyl tiles and sheets on  
floors

**Fences and grates**  
Likely sourced from local ironworks

**Stone Masonry**  
Granite or marble sourced from  
New England

0 ft

6 ft

**Topsoil: 0-6 ft**  
Unusable topsoil with organic matter and contaminants,  
disposed in New Jersey and Upstate New York

20 ft

**Utilities: 1 - 20 ft**  
Cables and pipe networks  
found close to the surface

**Combined sewer**  
Waste/stormwater treated in  
Greenpoint, Brooklyn

**2 Ave Station (F)**  
Brooklyn-bound F trains tunnel  
deeper to travel under East River

60 ft

100 ft

150 ft

**Bedrock - 150 ft+**  
Lower East Side reaches bedrock  
layer around 150+ ft

**Subsoil: 6-150 ft**  
Flatbush Series, sandy loam to silt loam,  
slightly low clay content

**Water table - 600 ft+**  
Depth to fresh groundwater reached by wells

600 ft

**Groundwater - 600 ft+**

800 ft

**NYC Water Tunnel 3: 450-800 ft**  
Oldest running water tunnel in New York, supplying water  
from upstate to East Village and Lower East Side

**198 Forsyth St School**





notes on model  
here or flavor text

massings, round 2

standard modules, round 3

Mini pieces

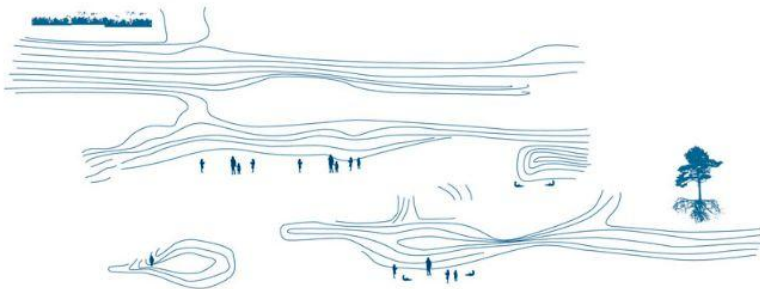
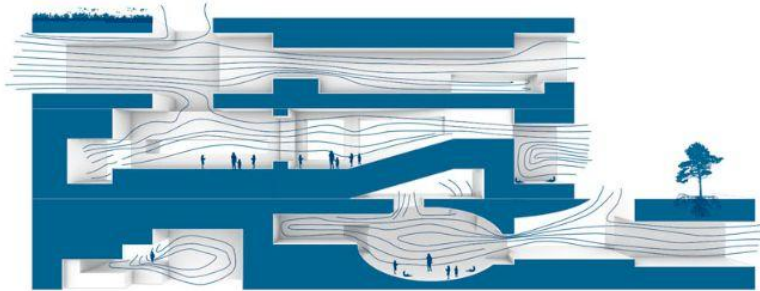
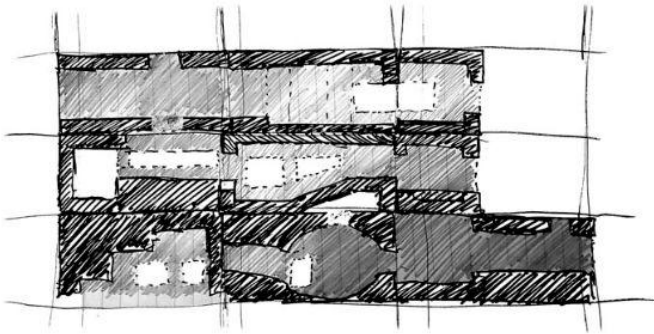
Spatial  
Prototypes

prototyping round 1

exploring techniques  
for aggregation

systematically integrating  
parts into a whole

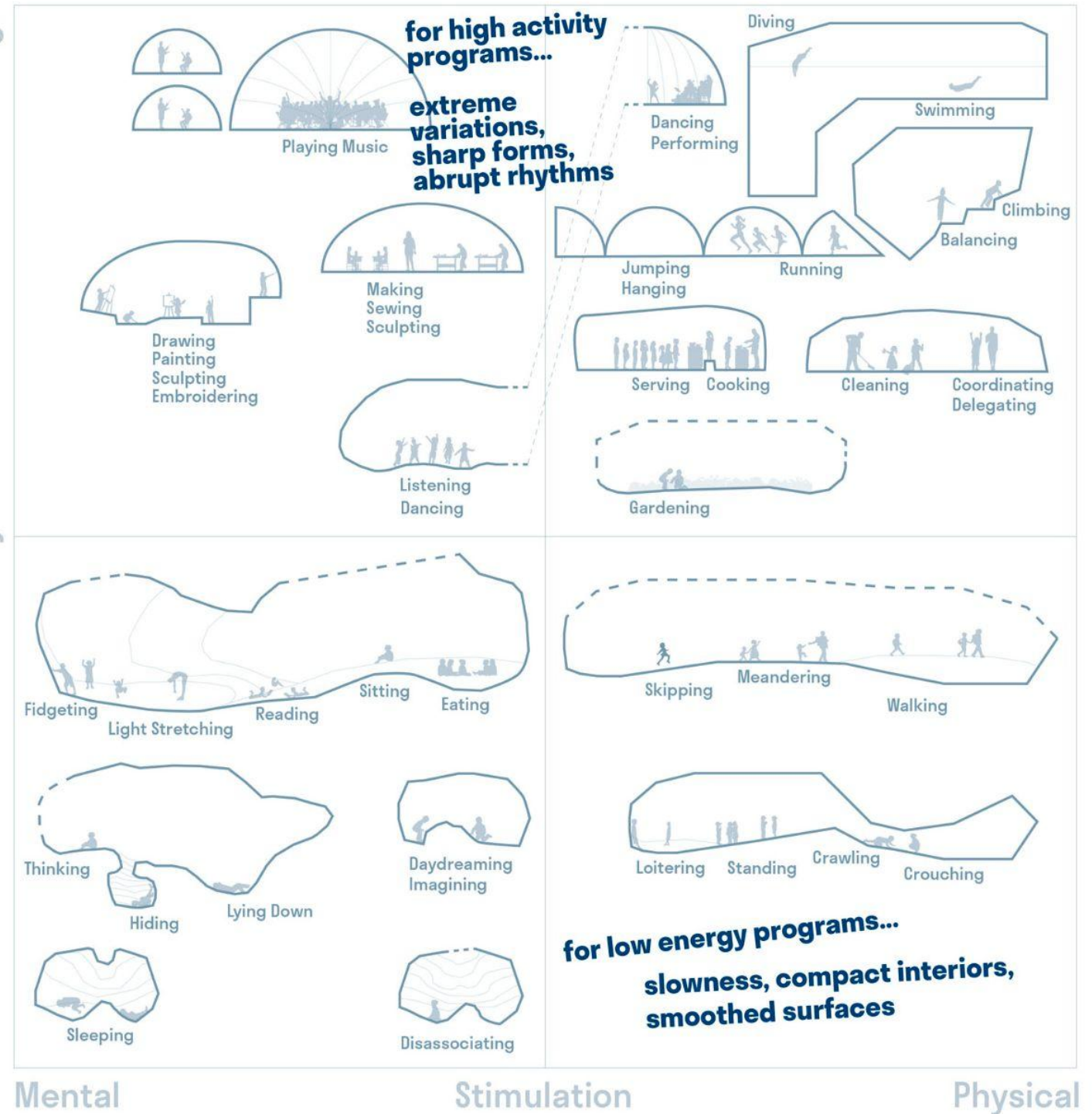




High

Activity Level

Low





- 



Subterranean

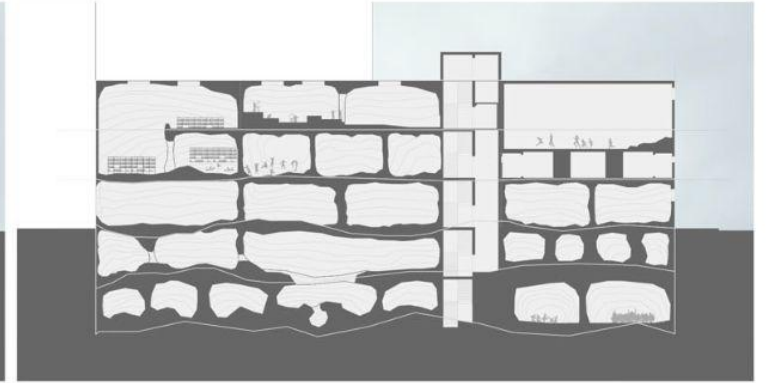
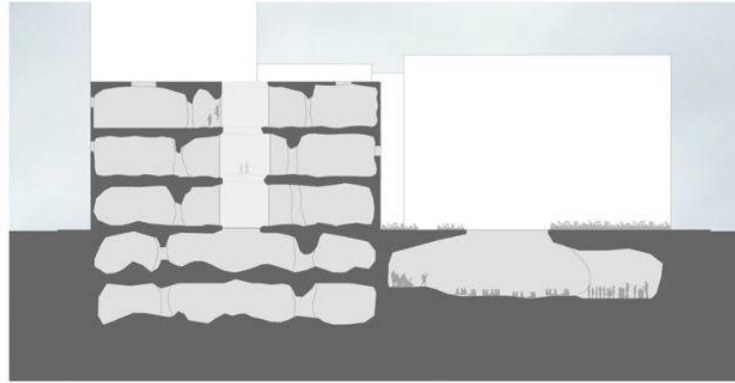
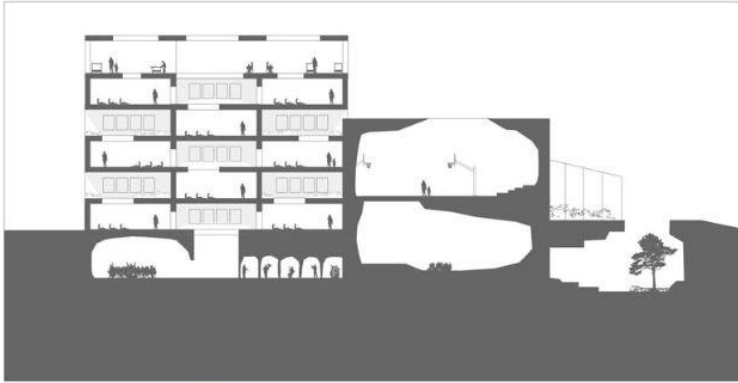
24

Situation	Percentage
Use of force is justified	51%
Use of force is not justified	58%
Use of force is justified	71%
Use of force is not justified	77%
Use of force is justified	44%
Use of force is not justified	65%
Use of force is justified	23%
Use of force is not justified	38%
Use of force is justified	59%

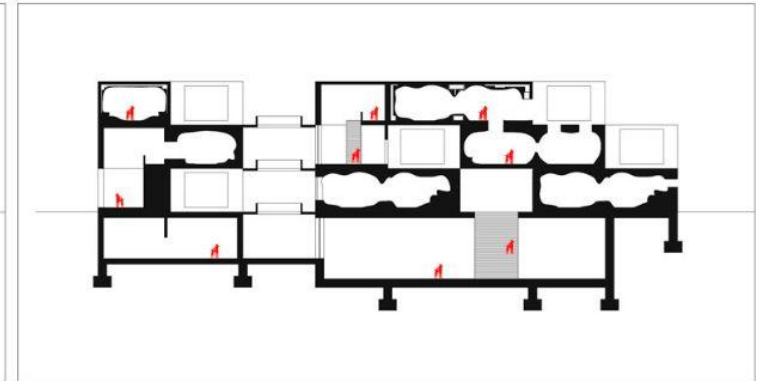
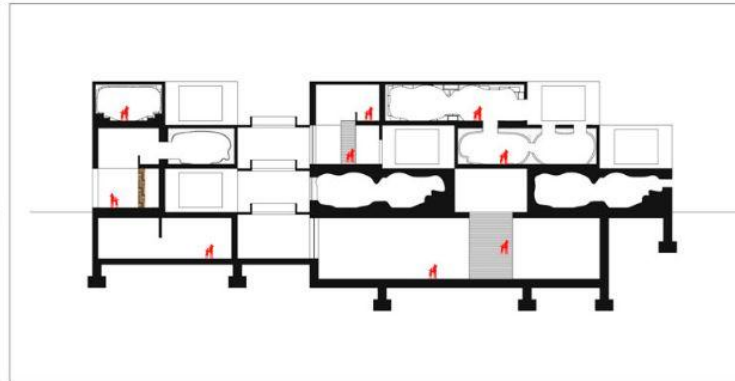
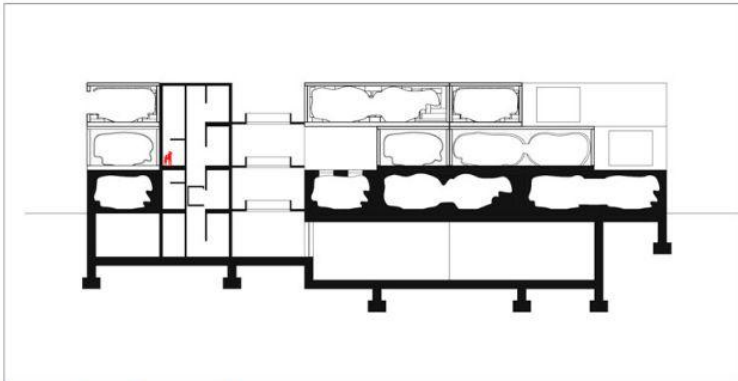
## "terraining" concept



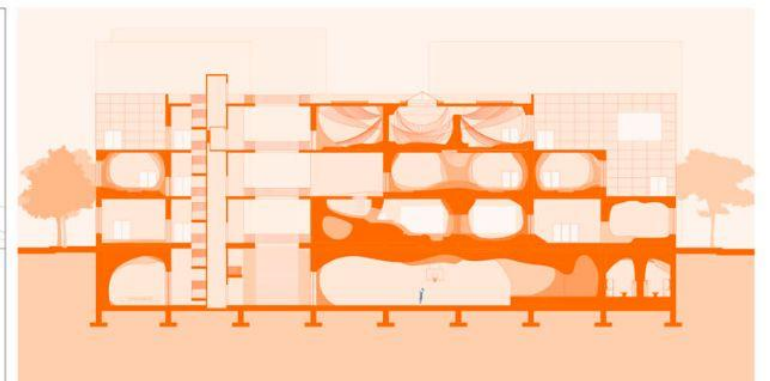
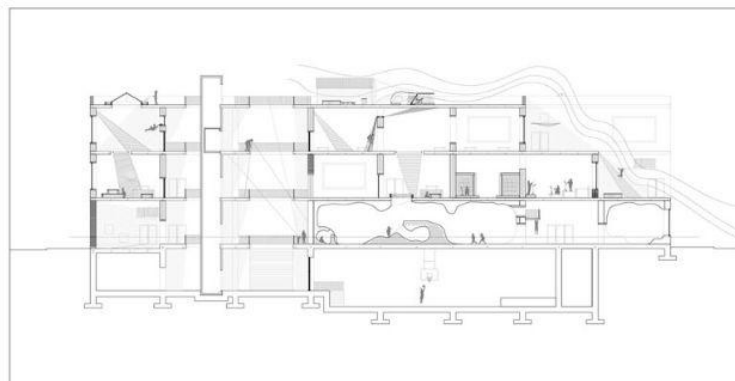
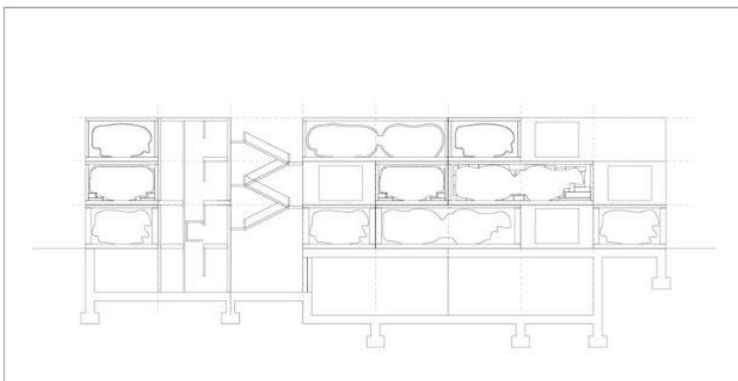
# STRUCTURE THROUGH SECTION



cavernous classrooms



levels of massiveness



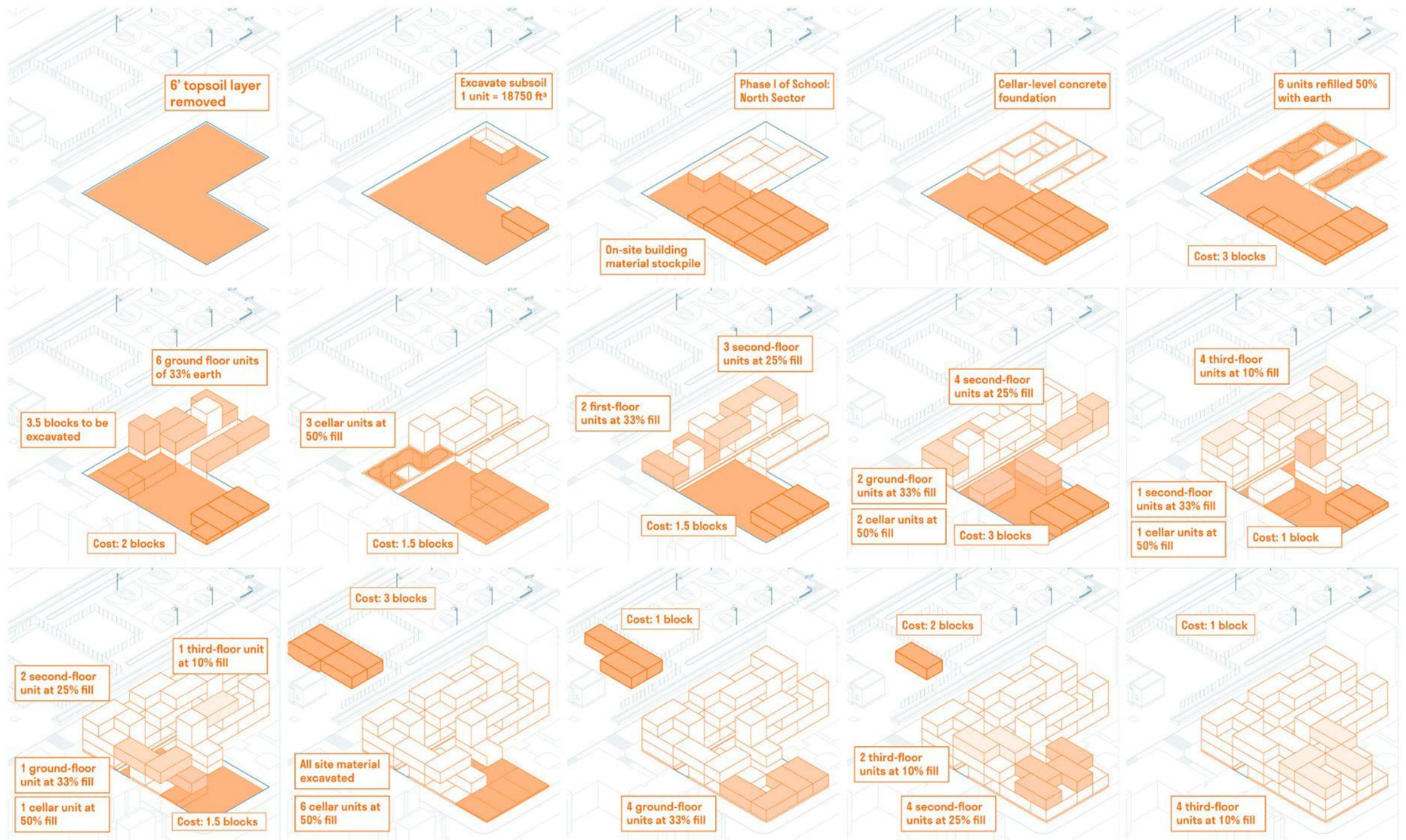
heavy to ultra-lightweight assemblies



# Adjacencies Stimulation Isolation & Daylighting







Phased construction of on-site earth and material storage logistics



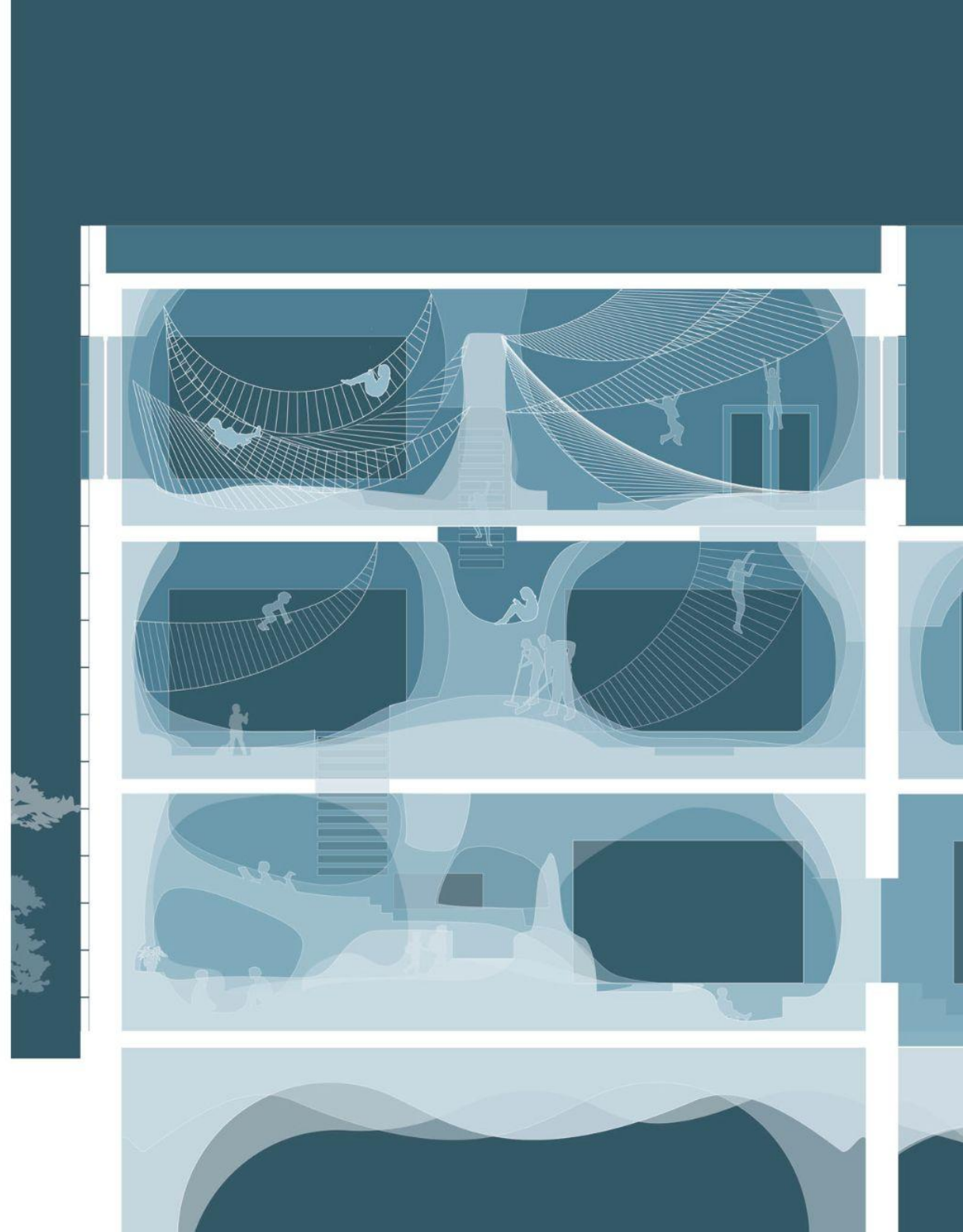
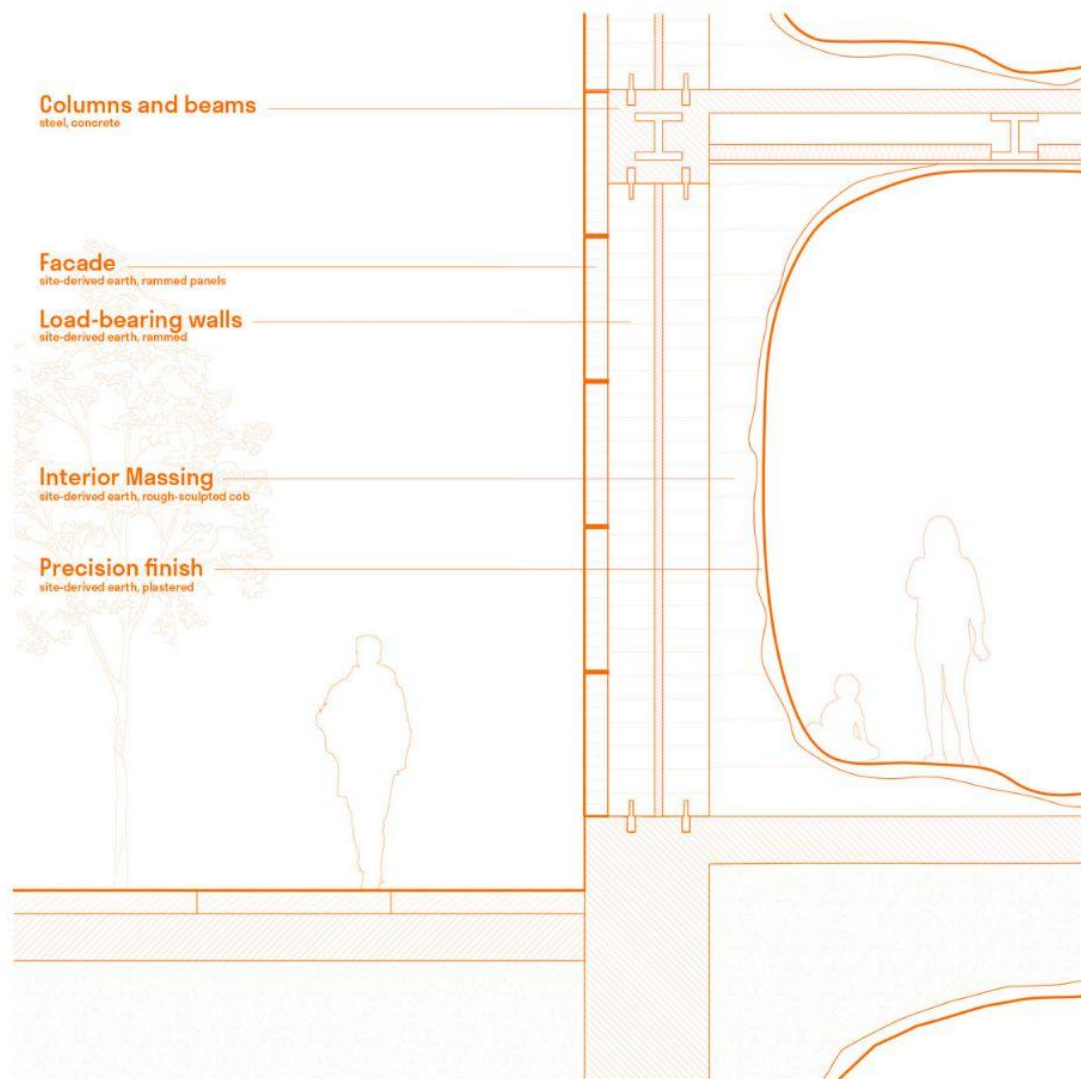
**Columns and beams**  
steel, concrete

**Facade**  
site-derived earth, rammed panels

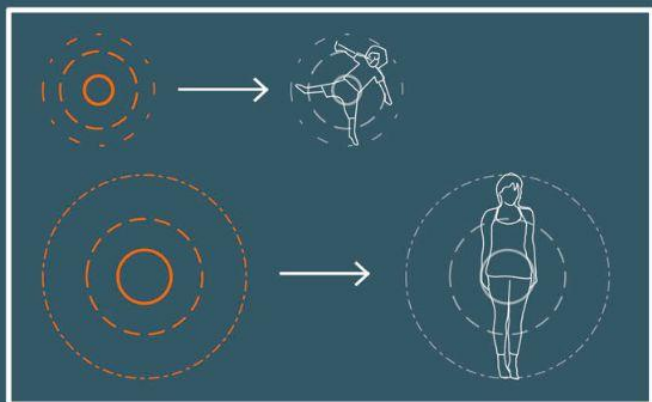
**Load-bearing walls**  
site-derived earth, rammed

**Interior Massing**  
site-derived earth, rough-sculpted oob

**Precision finish**  
site-derived earth, plastered



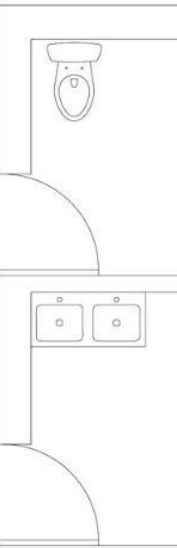






# classroom module

1' = 1/4" clay











# the new sky farms

food deserts meet food oases

location:  
professor:  
year:  
collaborators:

Columbia University, NY  
Joshua Uhl  
Fall 2021  
Isabella Libassi



psycho  
geo  
graphic



inwood



2a. collage

1a. first site visit

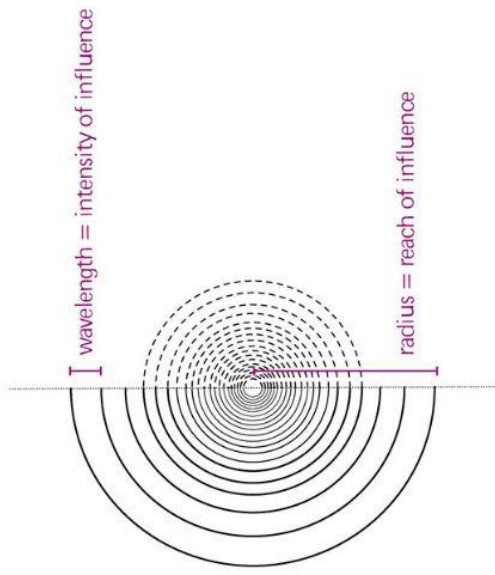
1b. second visit



2b. collage

new york city

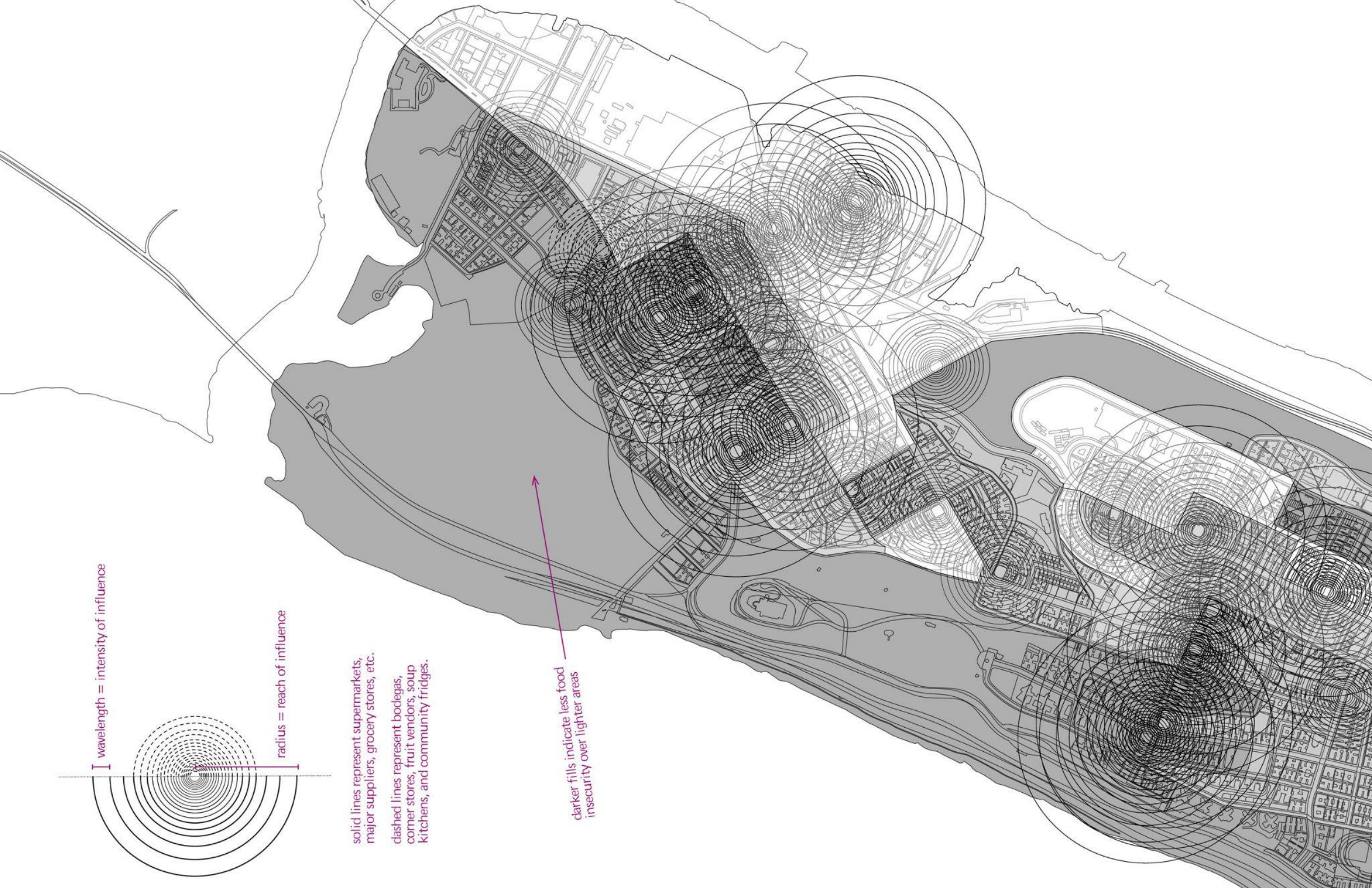




solid lines represent supermarkets,  
major suppliers, grocery stores, etc.

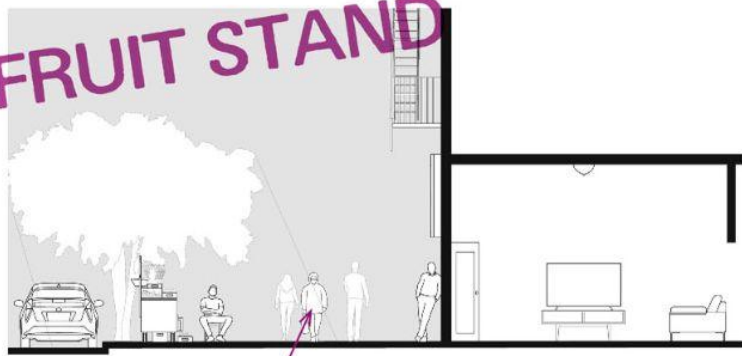
dashed lines represent bodegas,  
corner stores, fruit vendors, soup  
kitchens, and community fridges.

darker fills indicate less food  
insecurity over lighter areas

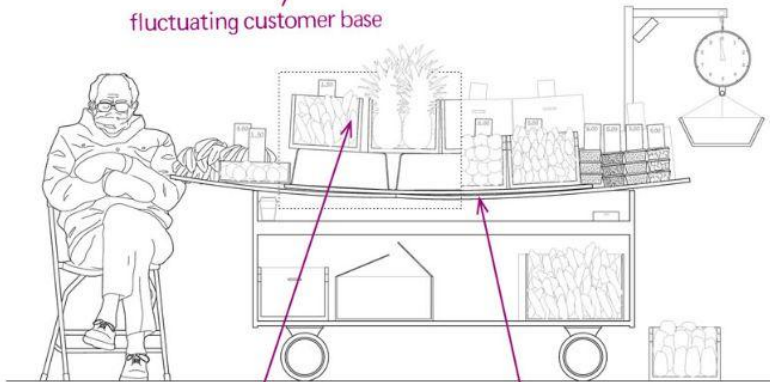




# FRUIT STAND



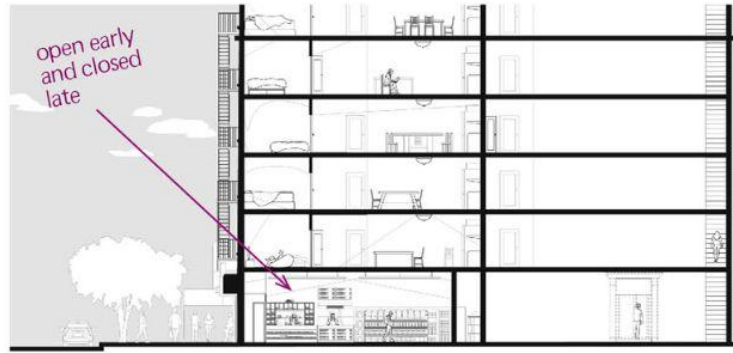
fluctuating customer base



produce is low-cost but not as fresh

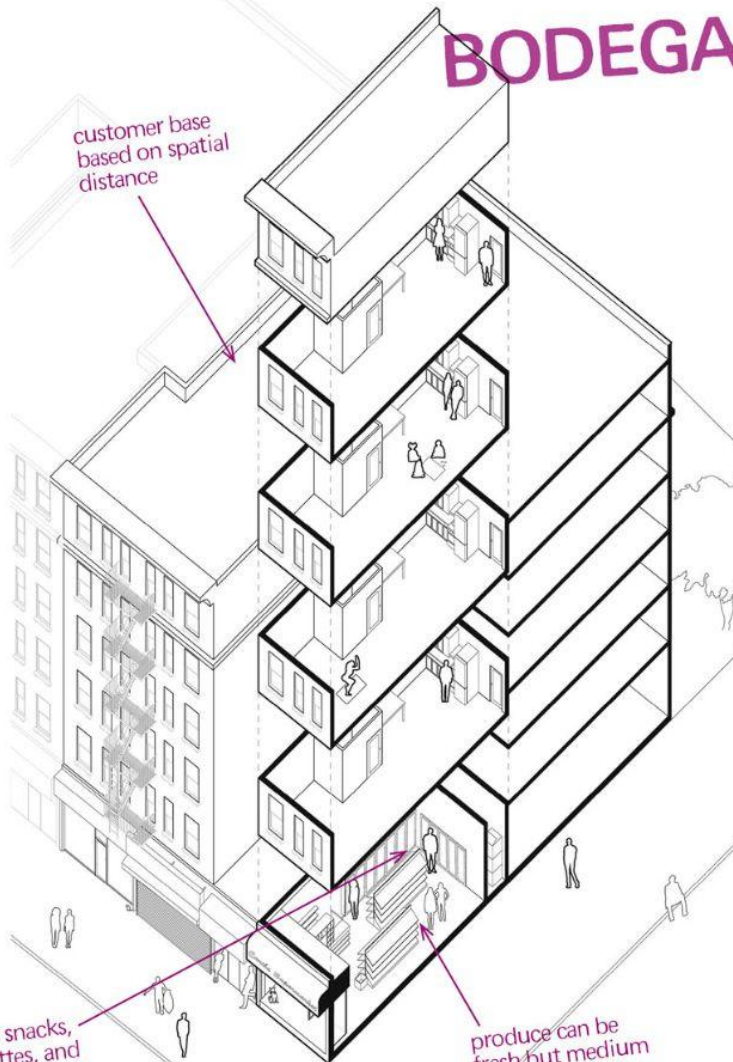
OSB boards

# PRODUCE SUPPLIERS OF INWOOD



open early and closed late

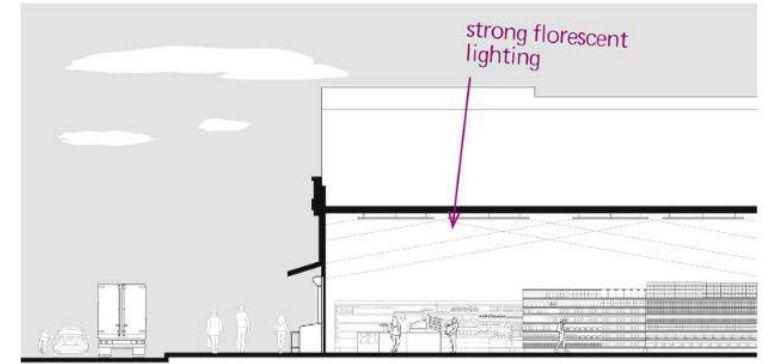
# BODEGA



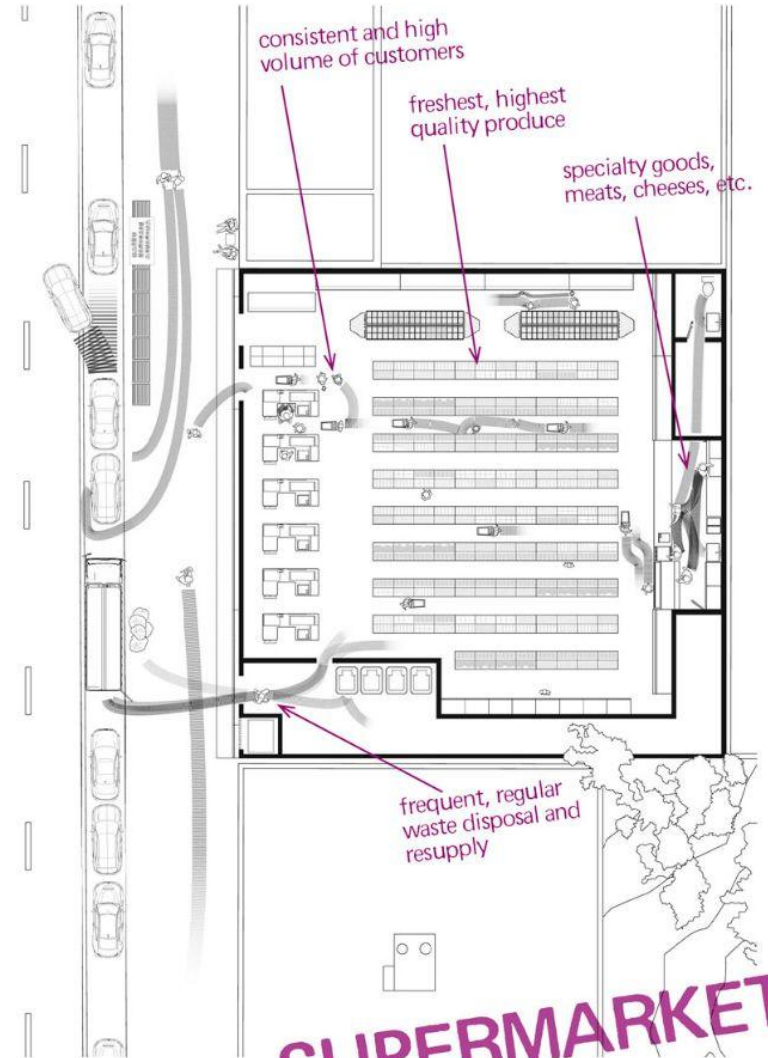
customer base based on spatial distance

stocks snacks, cigarettes, and prepared foods

produce can be fresh but medium turnover



strong florescent lighting



consistent and high volume of customers

freshest, highest quality produce

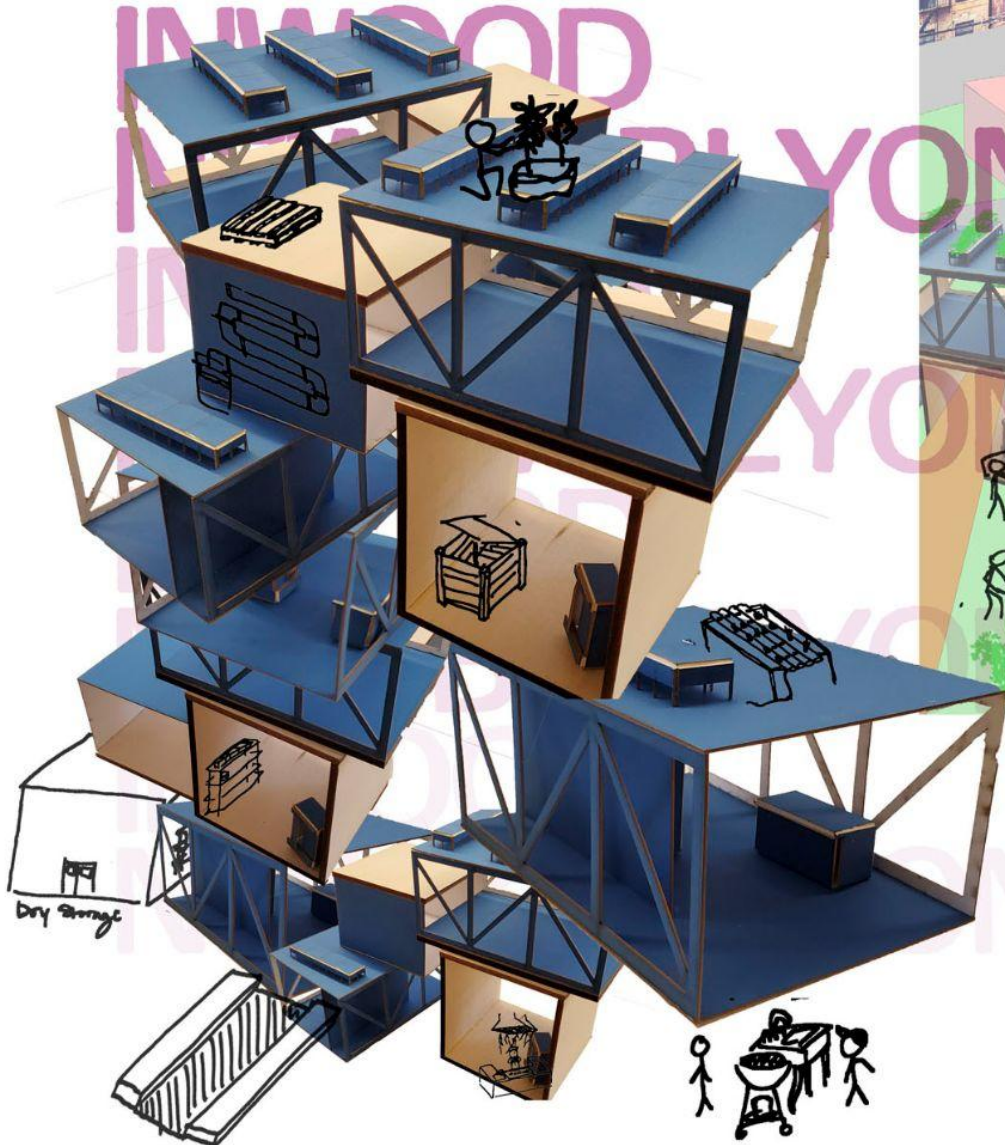
specialty goods, meats, cheeses, etc.

frequent, regular waste disposal and resupply

# SUPERMARKET



# INWOOD NEW BABYLON



vertical  
structures

2021 NOW

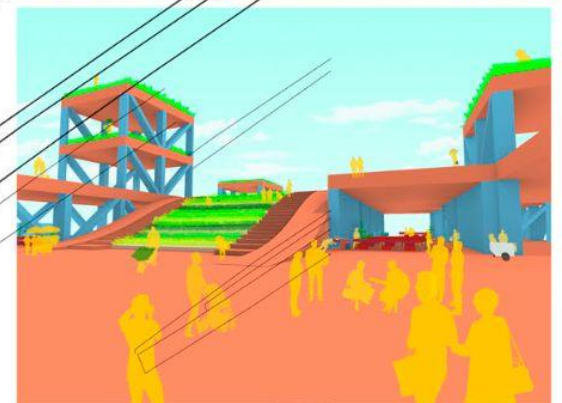
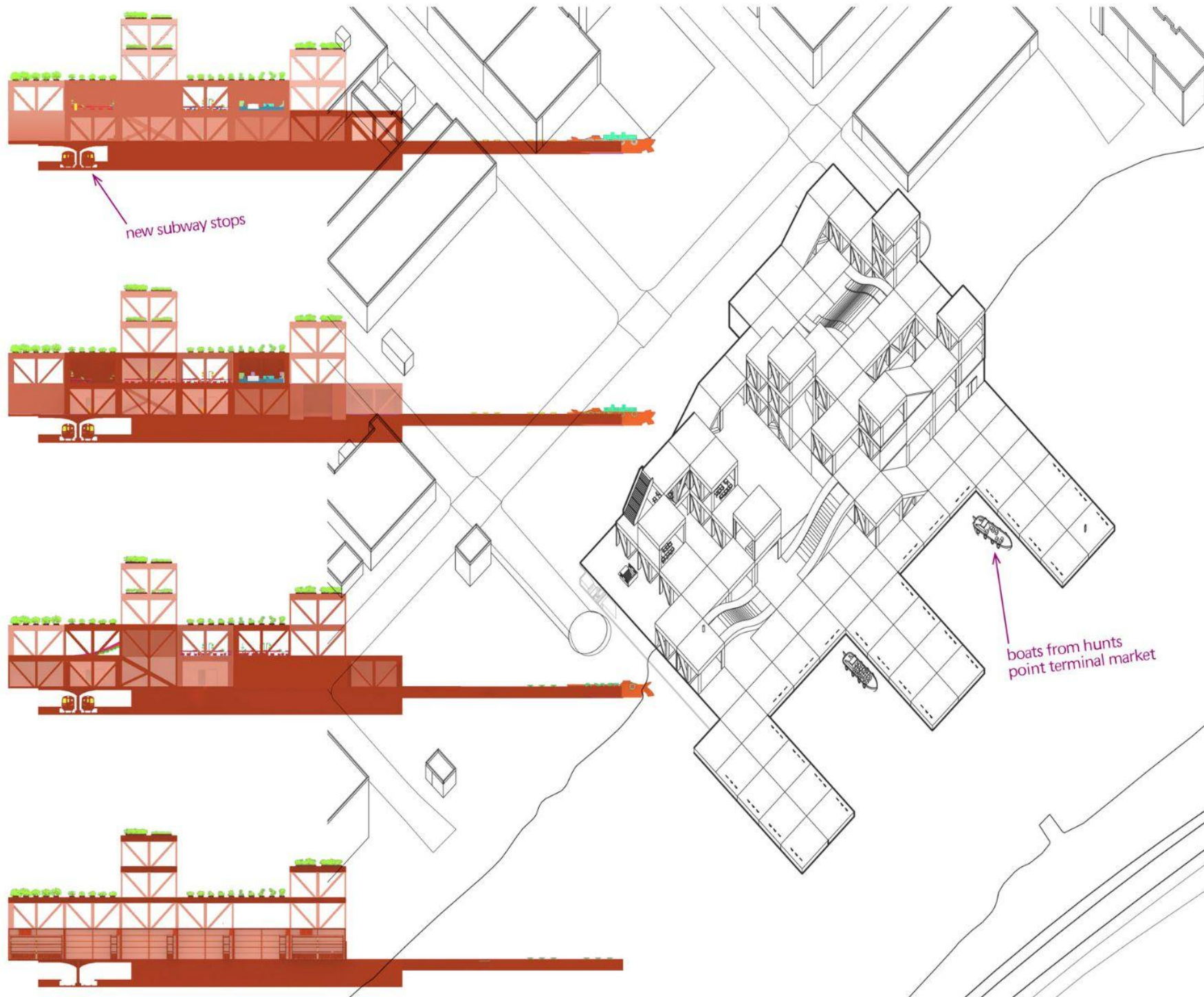


horizontal structures

2050 FUTURE









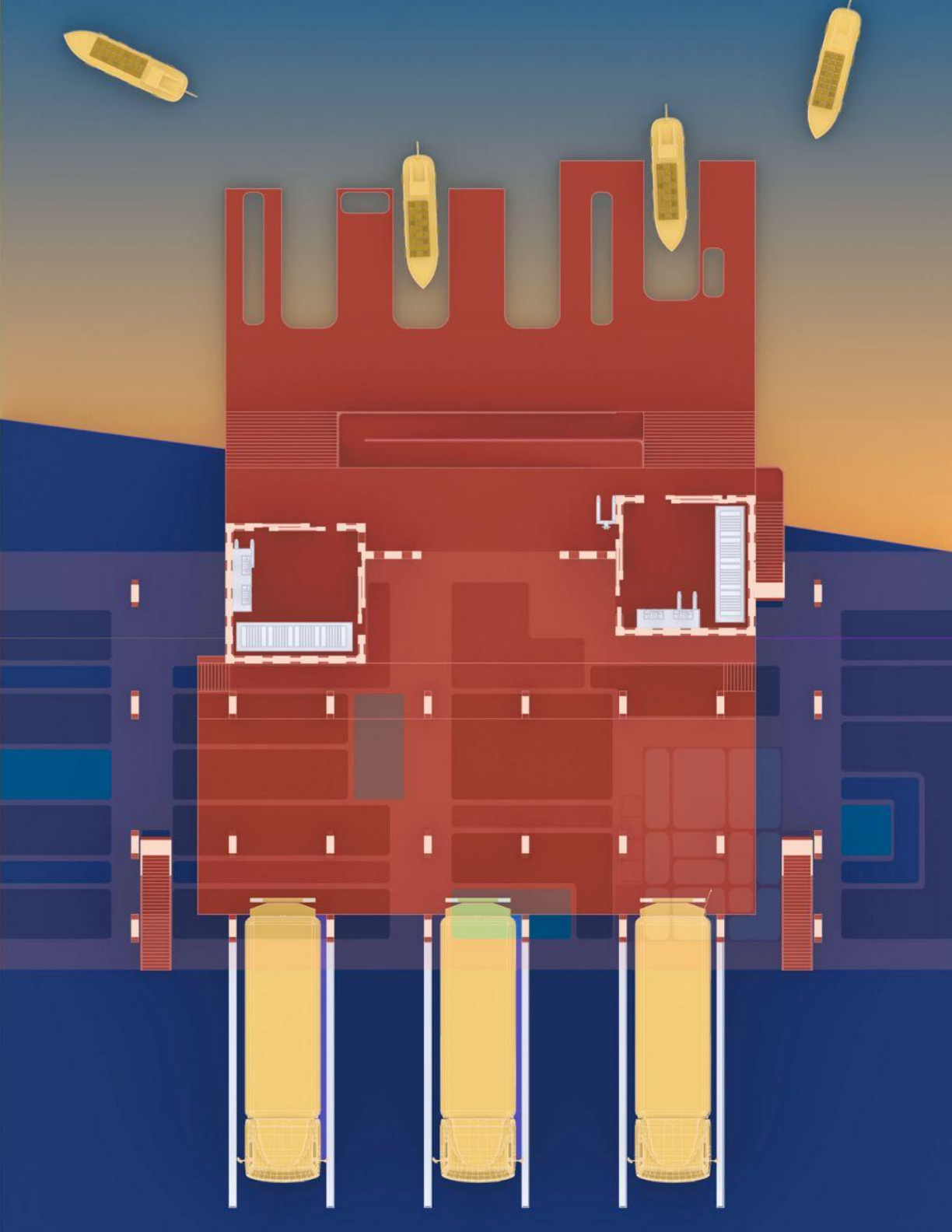
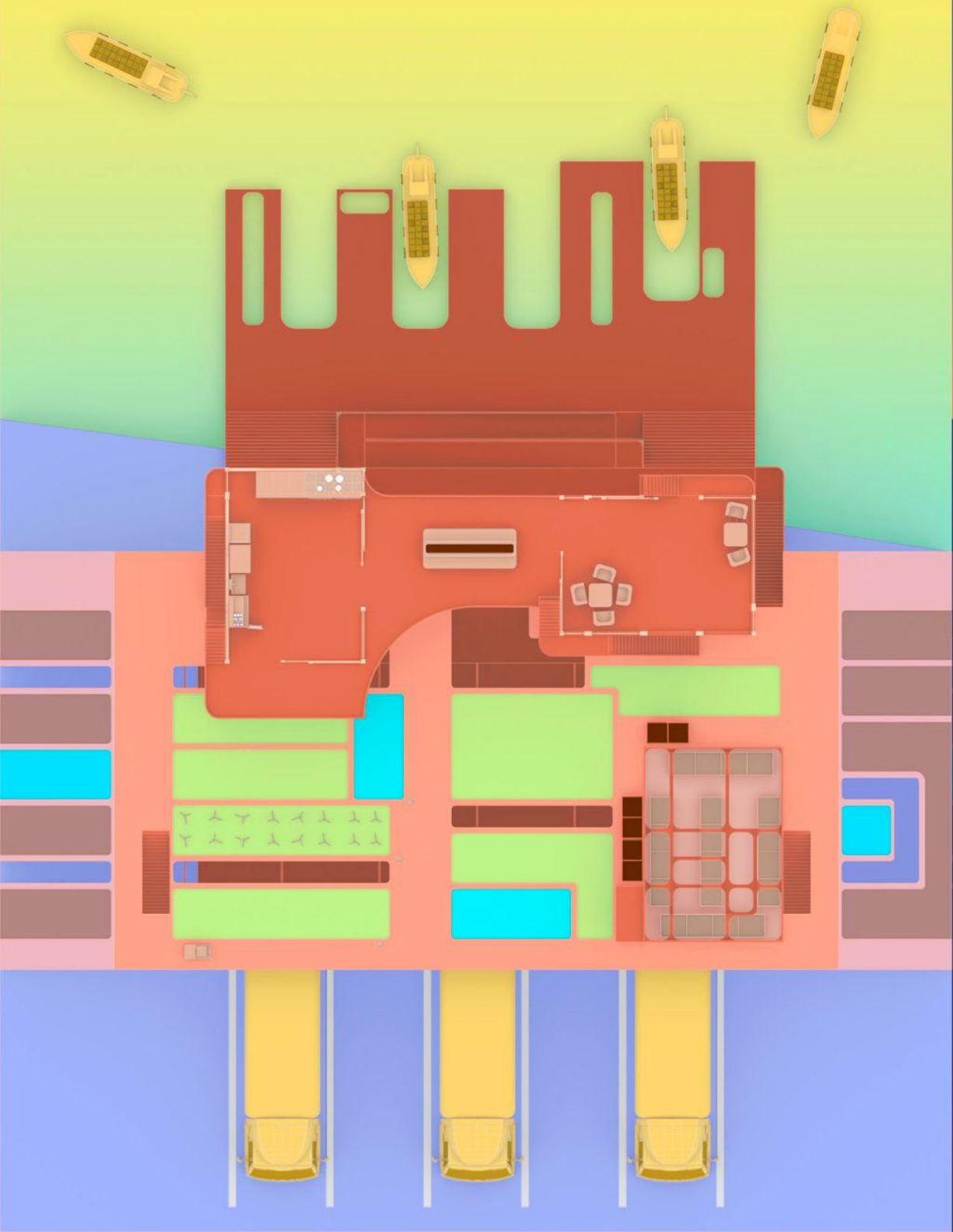
# 1' = 1/16" SCALE MODEL





1:4 CONSTRUCTION ASSEMBLY MODEL









trucks distribute  
food into nyc

industrial-scale  
urban farming  
platform

greenhouse

public and  
consumer level

cultivation and  
wholesale level

cold storage and  
distribution level

boat distribution



