



ARCHITECTURAL POLEMICS

EDUCATION

2016 - Loyola
University
Chicago, Illinois
Bachelors of
Science
in Biology

2021 - Pratt
Institute
New York, New York
Masters of
Architecture

EXHIBITION

2019 - Threshold
Mediums Exhibition
Pratt Institute

Critic At Large
PODS & Parasite
Neil Denari
Mack Scogin
Merrill Elam
Pratt Institute

SOFTWARE

Rhino
Lumion
Photoshop
AutoCAD
Revit
Sketchup
Grasshopper
V-Ray
InDesign
Illustrator

INTERESTS

Furniture Design
Japanese Joinery
Product Design
Logo/Graphic Design
Resume Building
Latte Art - Barista
Ceramics
Photography

EXPERIENCE

2018 - Hogsalt
Hospitality
Design Intern

2021 - GDI
Global Design
Initiative
Collaborator

COMPETITION

CAUKIN Studio
School Proposal
Shiyala, Zambia

IDEO Design Firm
COVID-19 Winter
Outdoor Dining
Chicago, IL

PUBLICATION

InProcess 20
Playspace
Pratt Institute

WE_Generate
Urban Context Lab
Taconic Foundation
Pratt Center

REFERENCES

Henry Smith Miller
Professor of
Architecture
hsm@smharch.com

Philip Parker
Professor of
Architecture
ppar1047@pratt.edu



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ARCHITECT IN TRAINING

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PROJECT NAME:

RESUME/CV

DATE:

5/1/21

PAGE:

A1

01 - NEGOTIATE

what is the price for living within urban congestion? architecture makes spatial negotiations within this high-rise proposal

critic: Carlos Arnaiz

02 - PARASITE

this concept abstracts the pandemic as a hidden enemy that has infiltrated the BK Navy Yards. I've traced the source of infection-- a parasitic structure that has latched onto DOCK 72, better known as the WEWORK building

critic: Henry Smith Miller, Neil Denari

03 - PLAYSPLACE

what is the relationship between 'object' and 'ground'? casting techniques were applied onto car headlights to capture moments of flow and containment

critic: Philip Parker

04 - SYMBIOSIS

the program was flexible learning spaces. what is more flexible and adaptable than nature? Biology and the natural environment informed this design proposal

critic: Theoharis David

05 - PODS

you are about to enter the anthropocene. within these caverns, a dystopic world awaits, there you are confronted with your waste

critic: Stephanie Bayard, David Erdman, Mack Scogin, Merrill Elam

06 - MANGROVE

how does one design for a world that is in constant flux? This new pier system proposes a diffused boundary between land and water

critic: Philip Parker, William McDonald, Erich Schoenenberger

NEGOTIATE

nesting habits

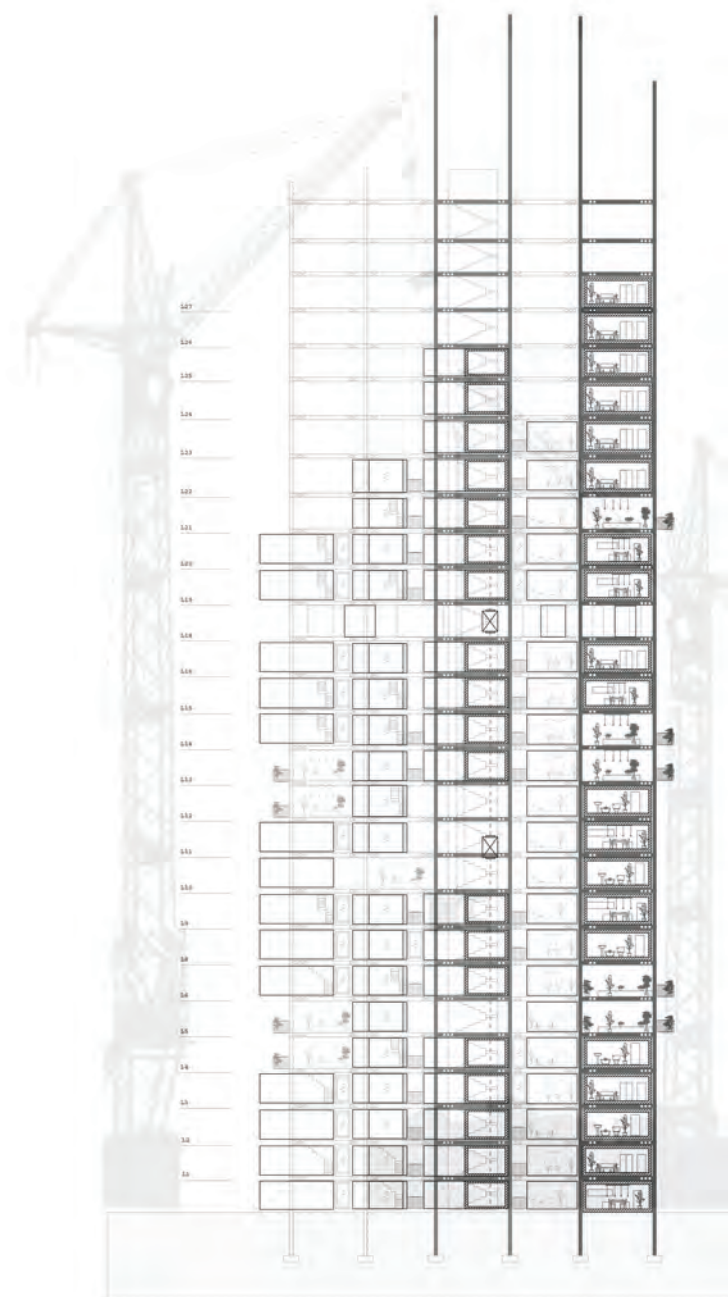
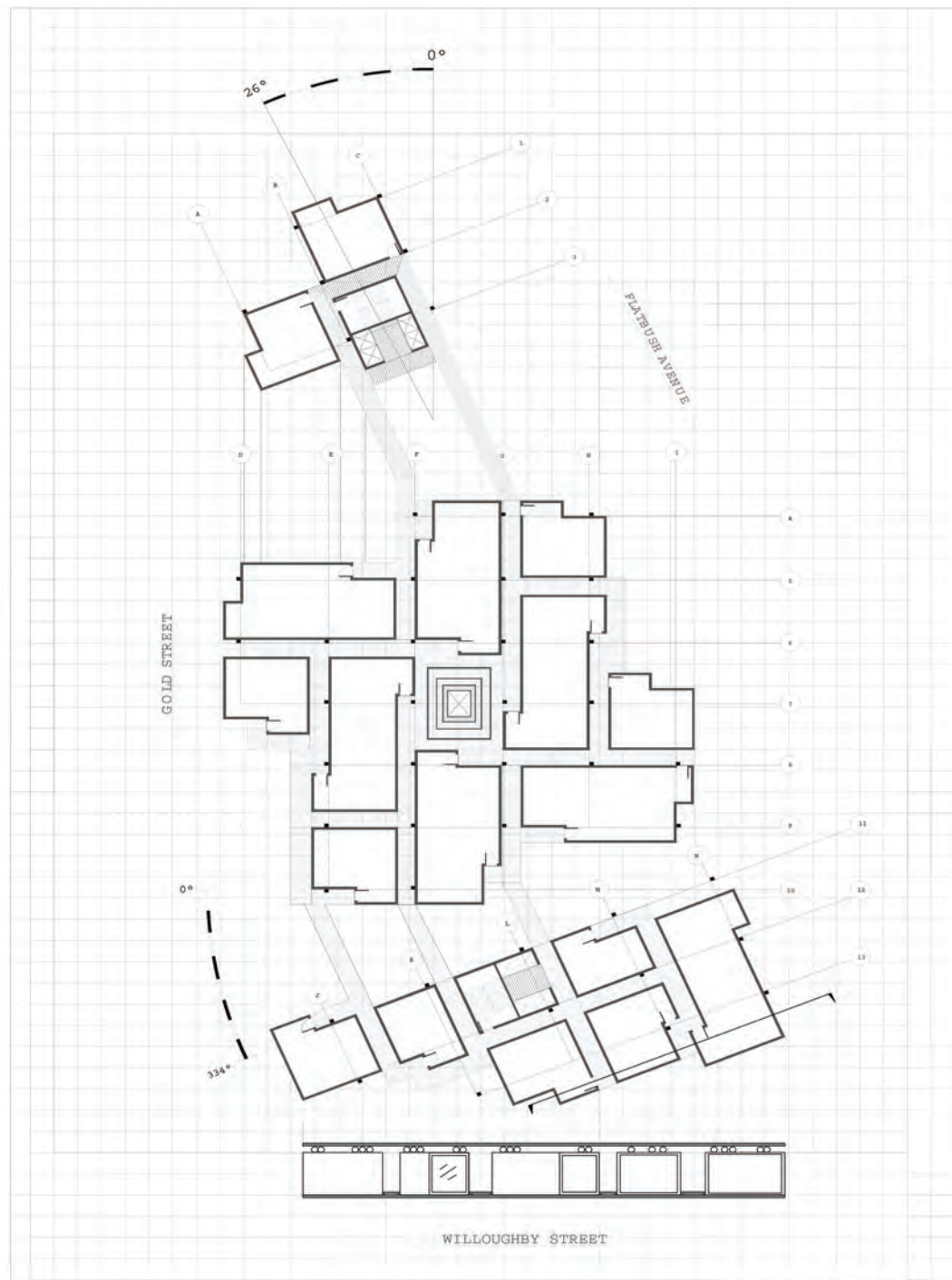
branching pattern

main artery

public space

Cities are exponentially densifying. The future of urban living is vertical. But what are you willing to negotiate in order to live within the congestion? Do you value privacy? access to natural light? private utilities? This social experiment began with a study of macro scale on human circulation.

NEGOTIATE / PARASITE / PLAYSPACE / SYMBIOSIS / PODS / MANGROVE



Section of Tower 1

JASON DE GUZMAN
AND ASSOCIATES

CONSULTANTS:

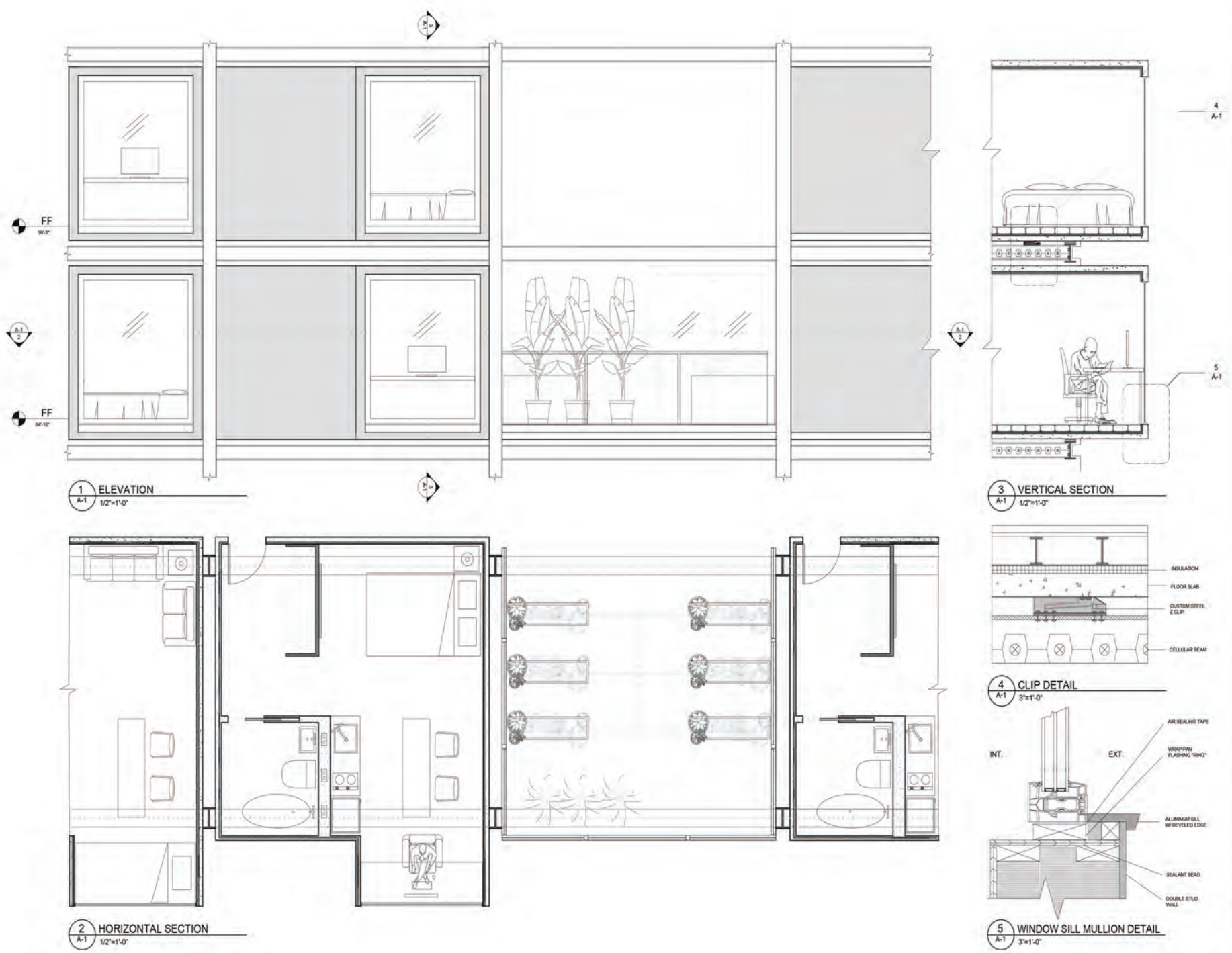
STEINBERG RESIDENCE
303 NEWLIGHT LANE
BRIDGEHAMPTON, NY 11976

NOT FOR CONSTRUCTION

ROADMAP

A-1

SCALE	AS NOTED	REVIEWED BY	CD
DRAWN BY	JASON DE GUZMAN	PAGE	1 OF 1





This pre-fabricated modular building was designed with an inside-out approach; any change of occupancy is expressed at street level. The modularity of the unit allows for single, duplex, and triplex configurations. This plug-in archetype keeps pace with the constant flux of urban living.



It moved across borders swiftly
and covertly in the night;
arriving by land, air, and sea.
Undetected, it began to multiply
itself into global occupation.
Only then did it uncloak, making
its insidious presence known.



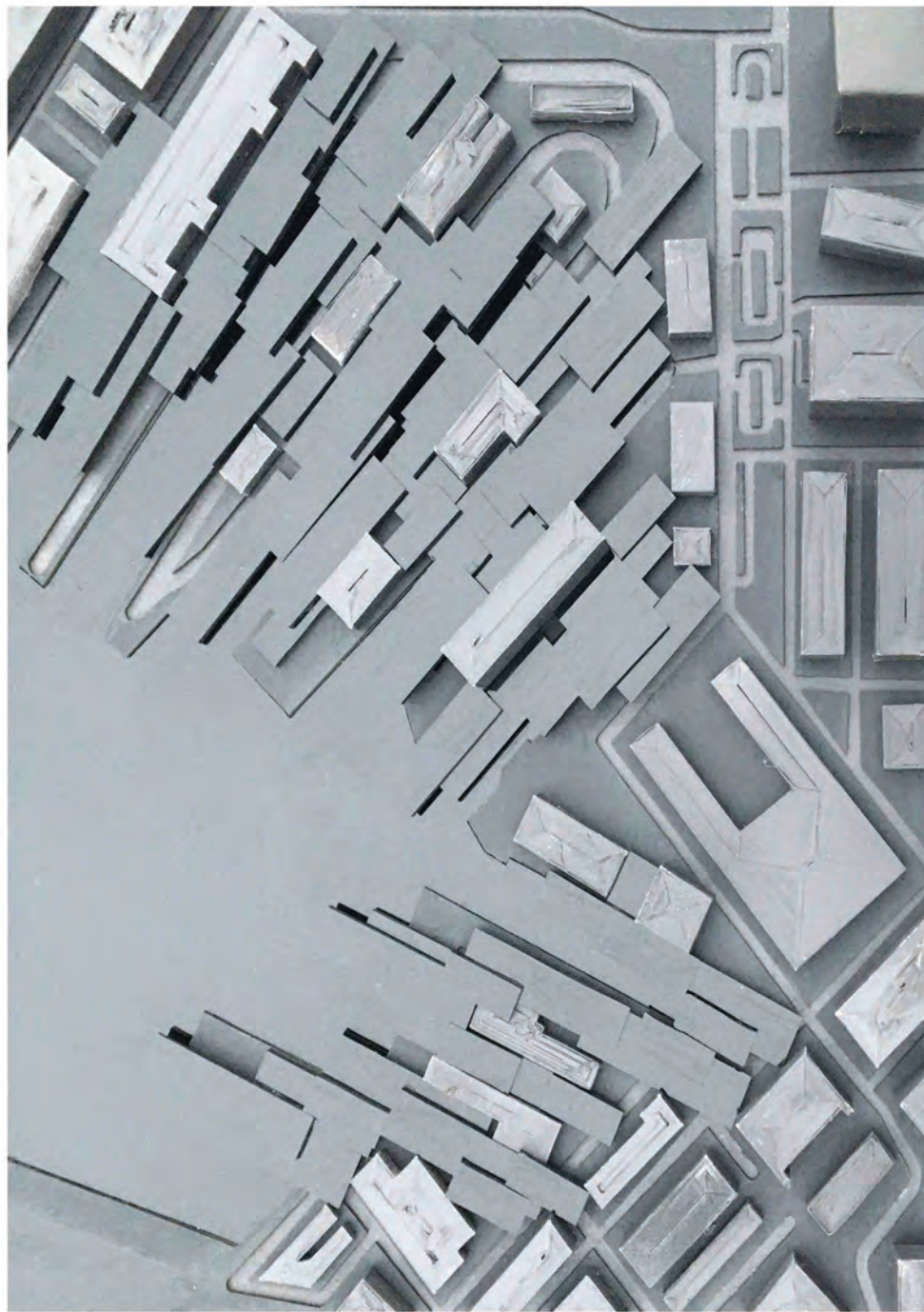
Aerial shot of Makoko, Nigeria

What we are dealing with today is accelerated and unsustainable urban densification, unprecedented sea levels, and of grave importance a pandemic that not only threatens public health but seems to exacerbate pre-existing social inequalities

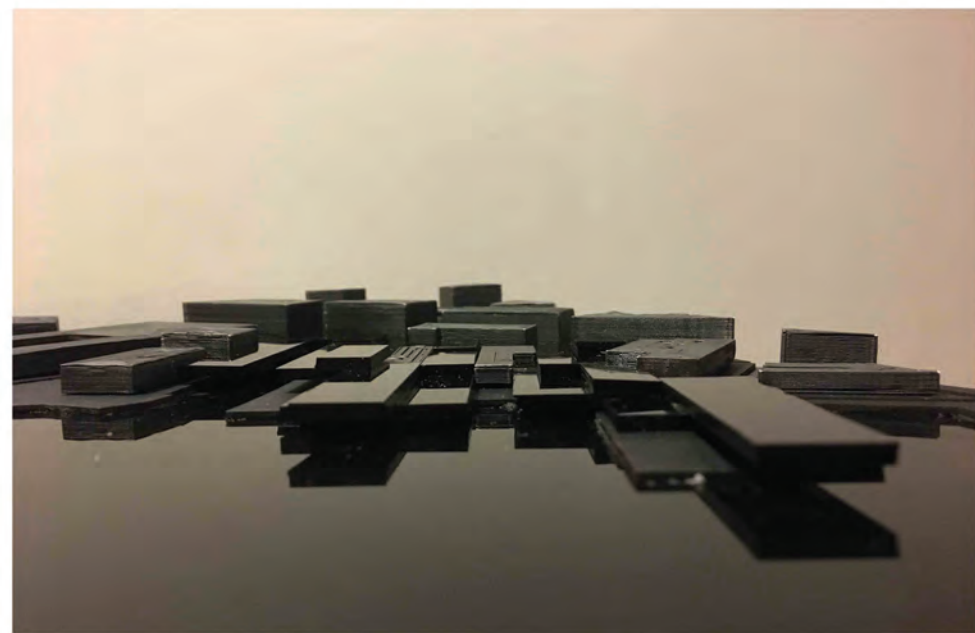
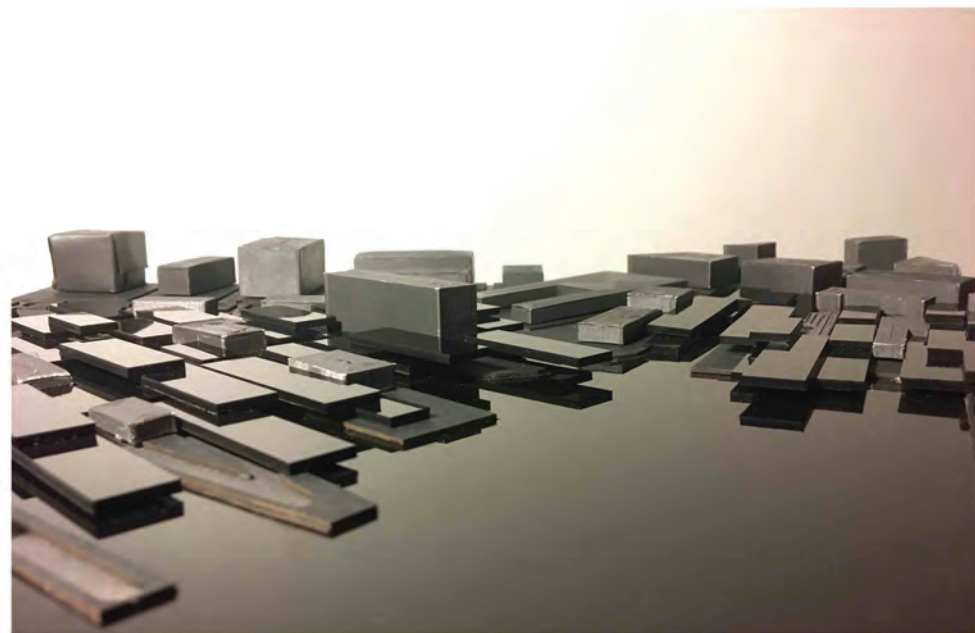
As a conceptual point of departure, I chose to research a fishing village in Lagos, Nigeria called Makoko. It is considered to be one of the most dense slums in the world with a unique urban plan that utilizes its waterways as both transportation and sewage infrastructure

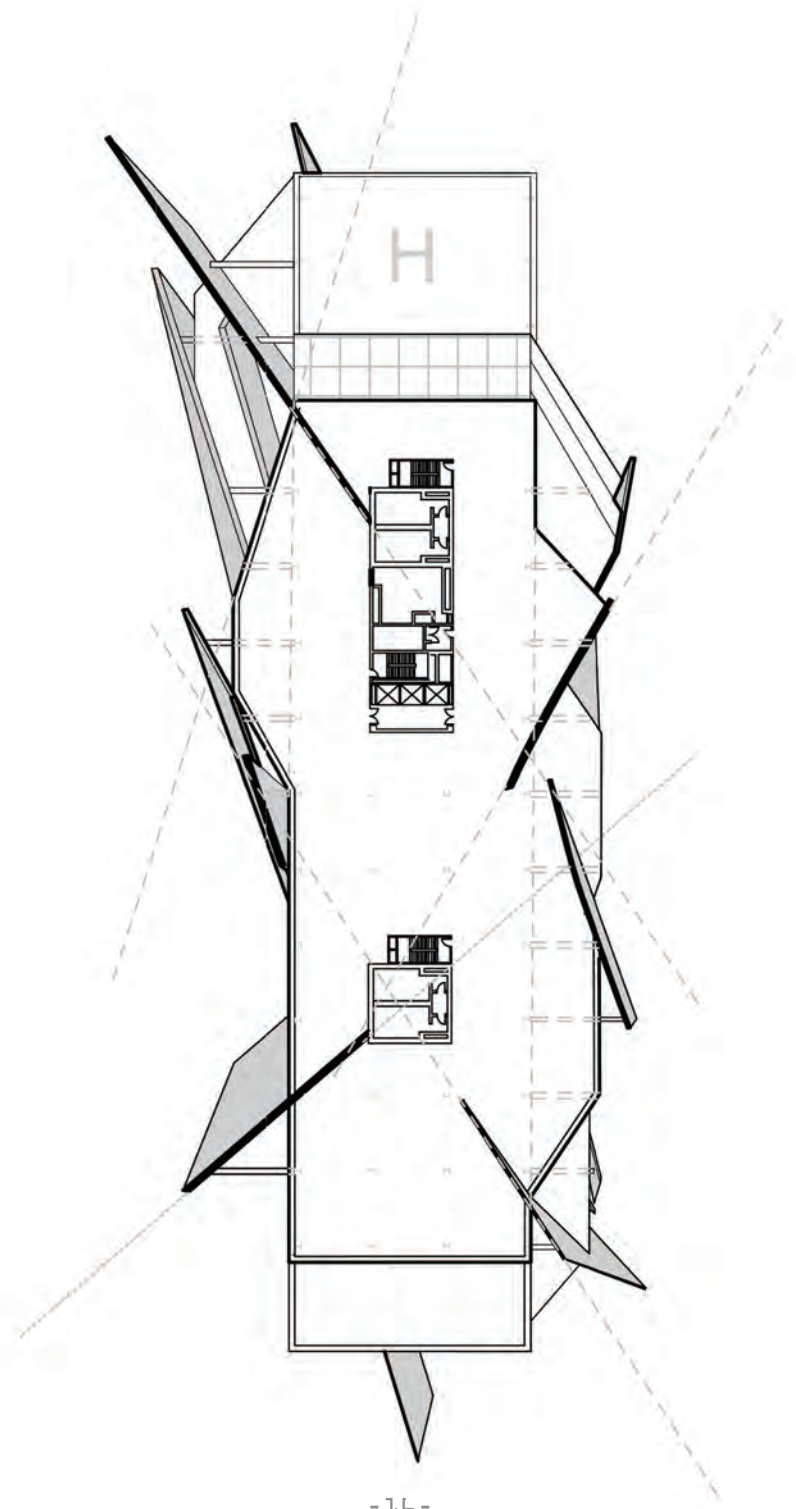
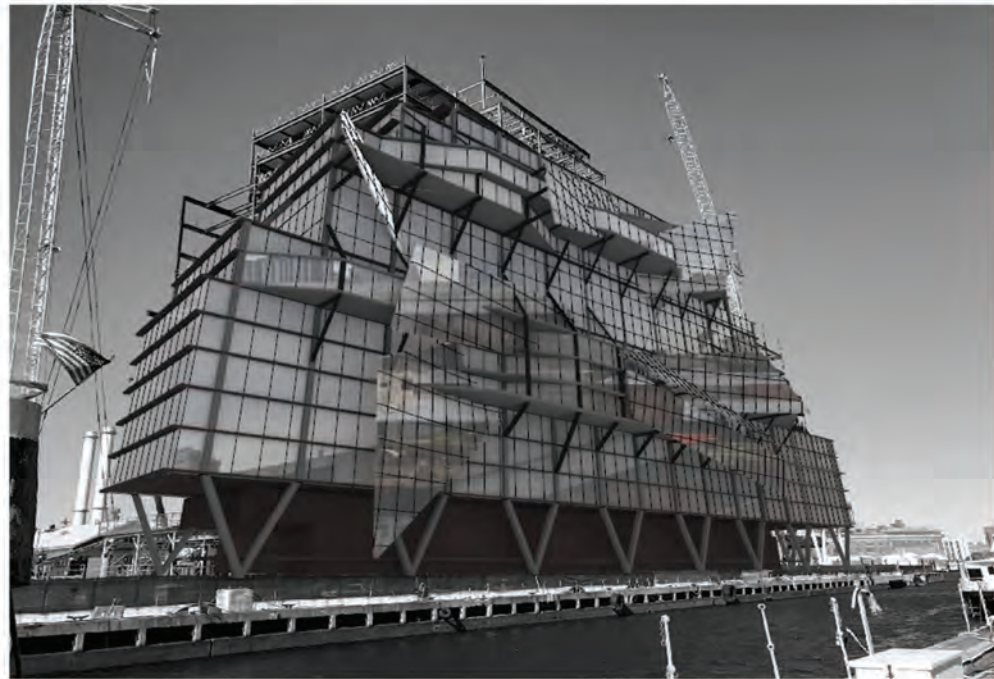
And to make matters worse, Makokoans are under constant threat of eviction by major real estate development

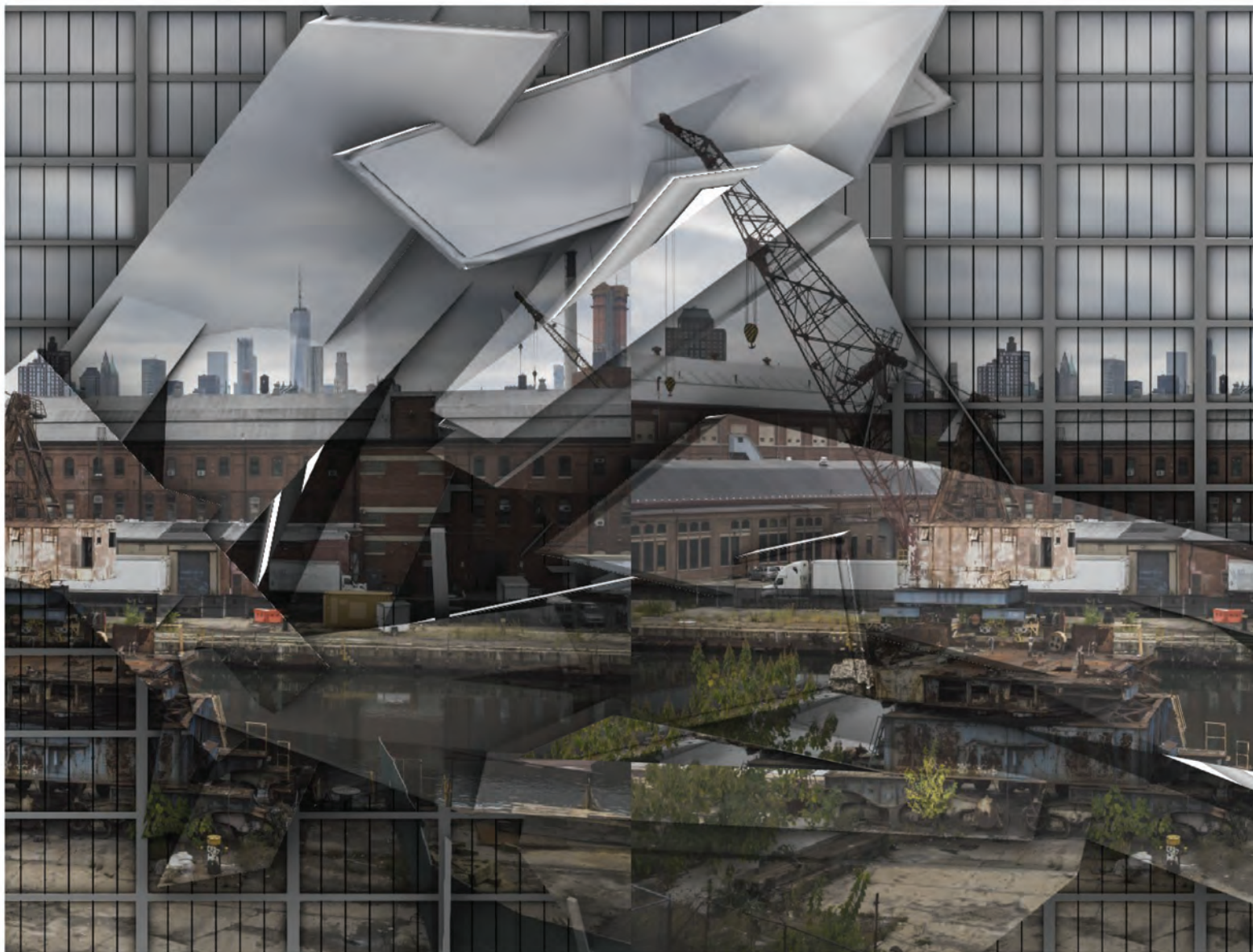
Makoko is infected by a parasite of its very own; one of poverty, corporate greed, and now of COVID-19 and climate change



Plan view of Site Model







Elevational Composite Collage

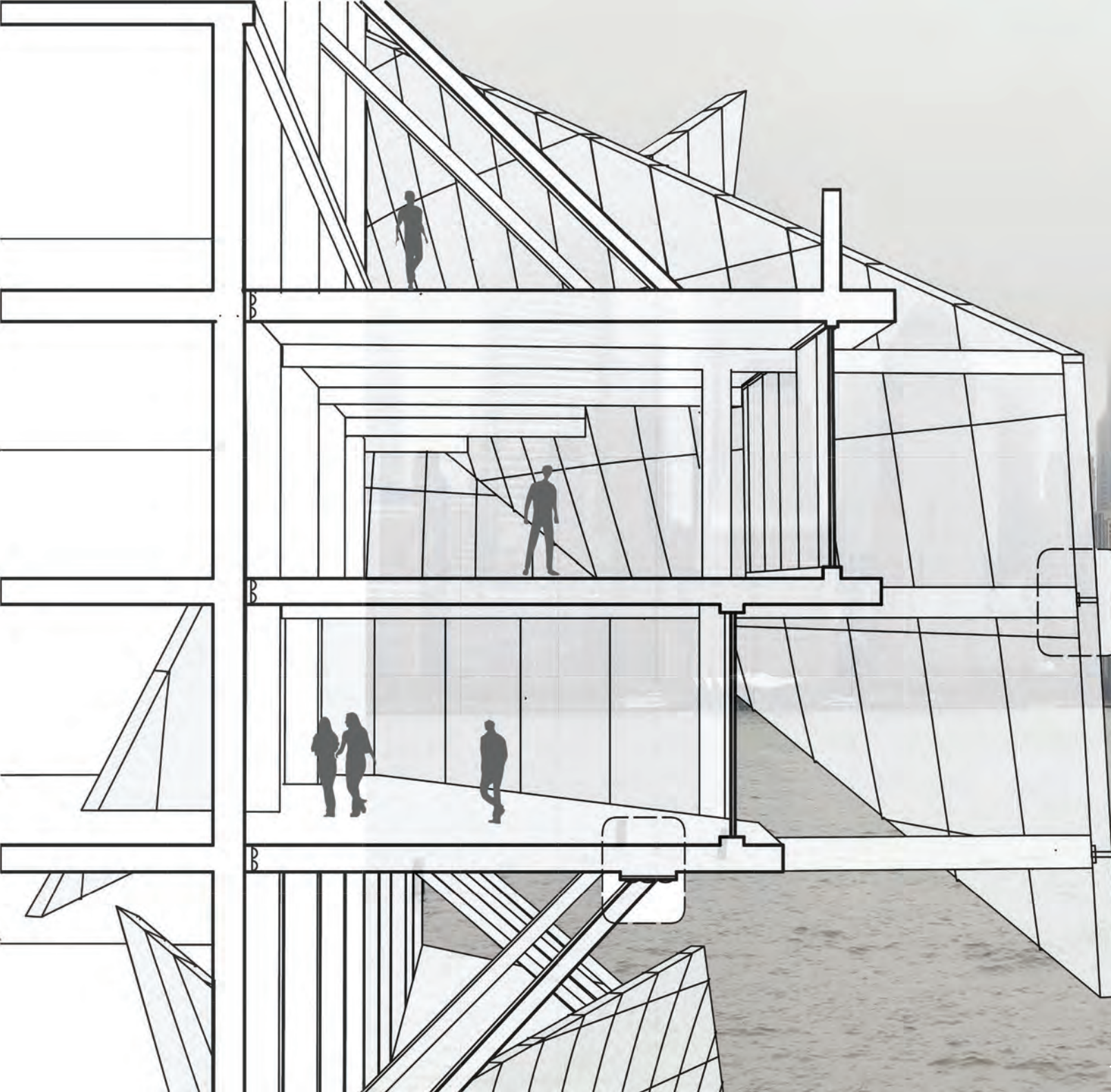
I was able to trace the source of infection within the Brooklyn Navy Yard - a parasitic structure that has latched onto Dock 72, better known as the failed corporate giant the WEWORK building

Like most parasites, this structure mimicked its surroundings allowing for attachment to the host cell and undetectable replication

CURTAIN WALL
ANCHOR DETAIL



BOLTED STEEL
CONNECTION





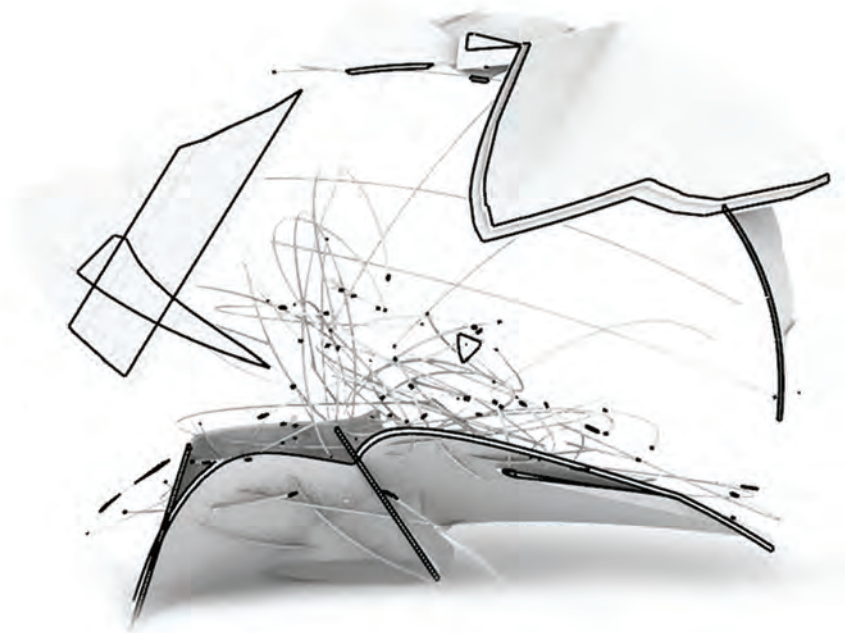
Composite Drawing

Architecture responds to human movement - by creating spaces of flow and containment. Car headlights are aerodynamically designed to carry these same formal qualities.

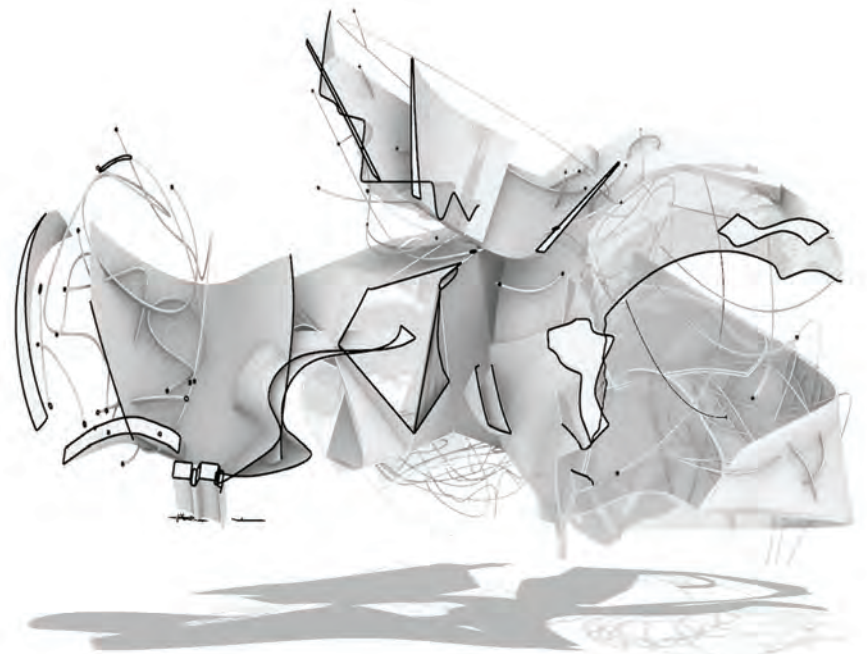
In phase 1, various casting methods were applied onto the headlight to extract moments of flow and containment. Phase 2 speculated on object - ground theory.

What is the orientation of an object on its ground? Can they begin to affect one another?

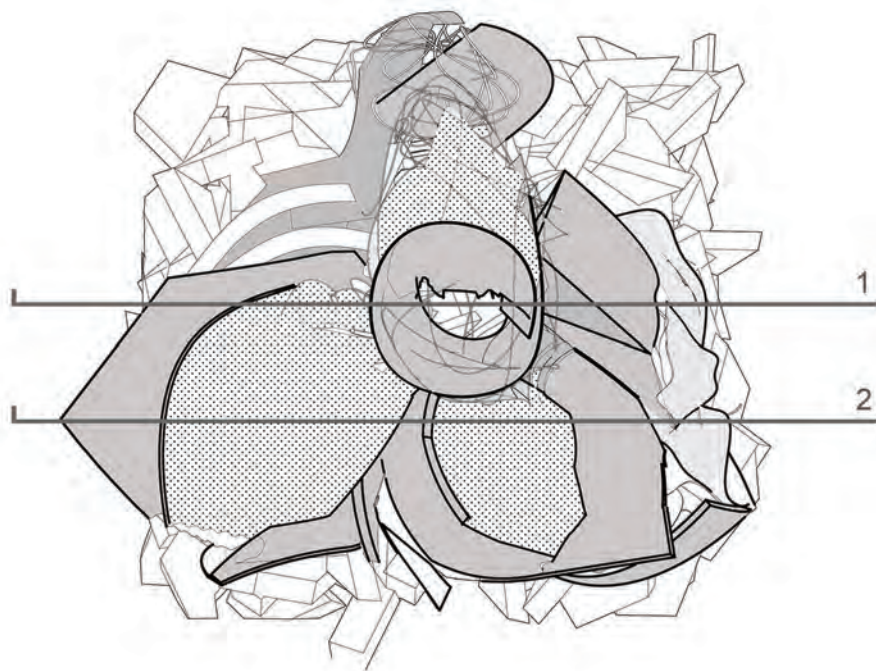




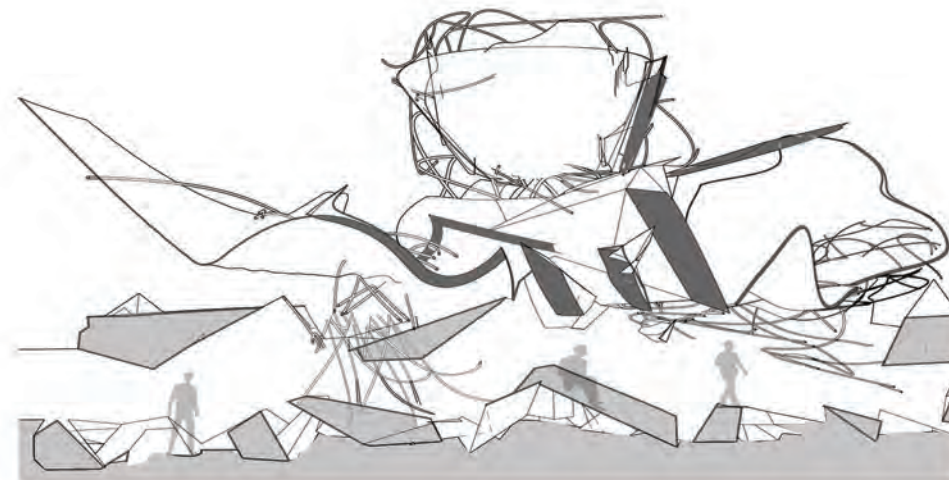
Section of Object 1



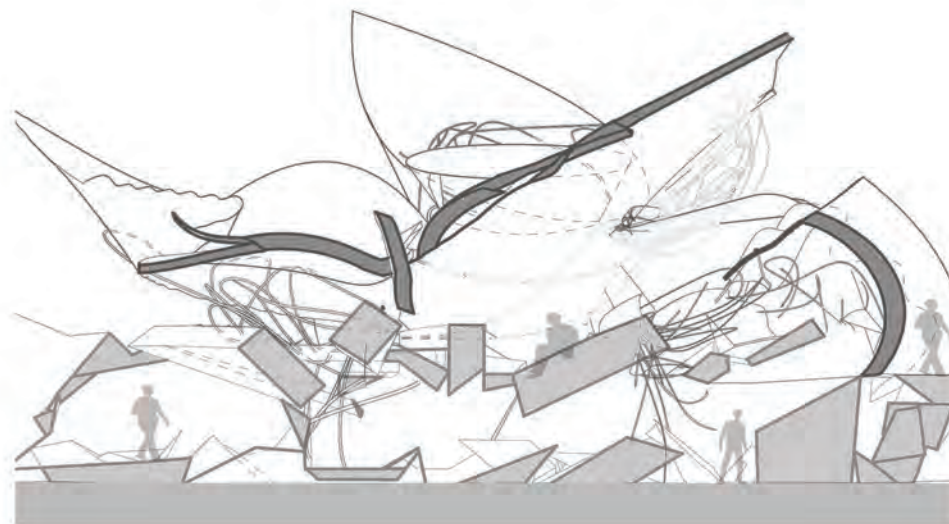
Section of Playspace



Site Plan of Playspace



Section 1

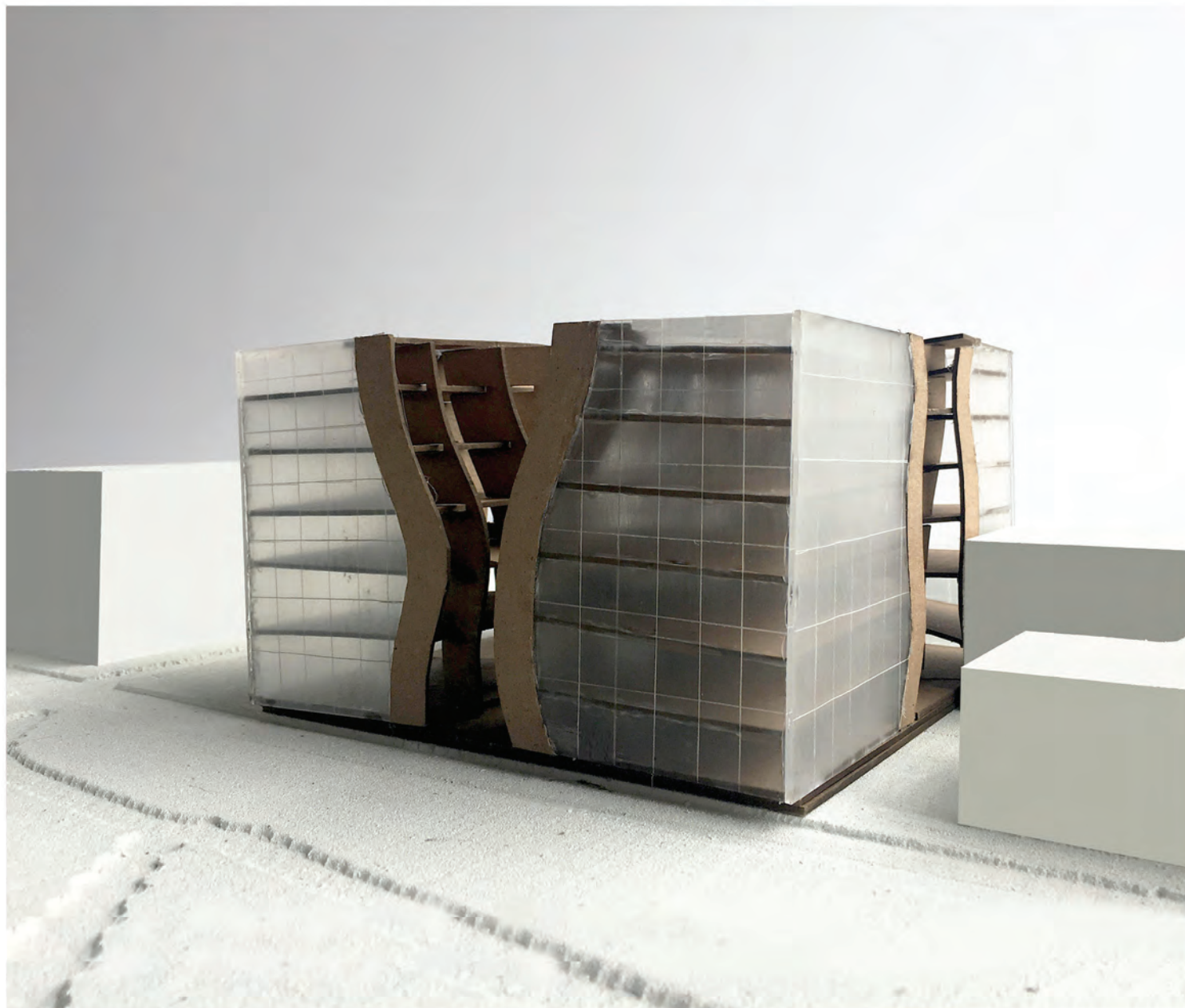


Section 2

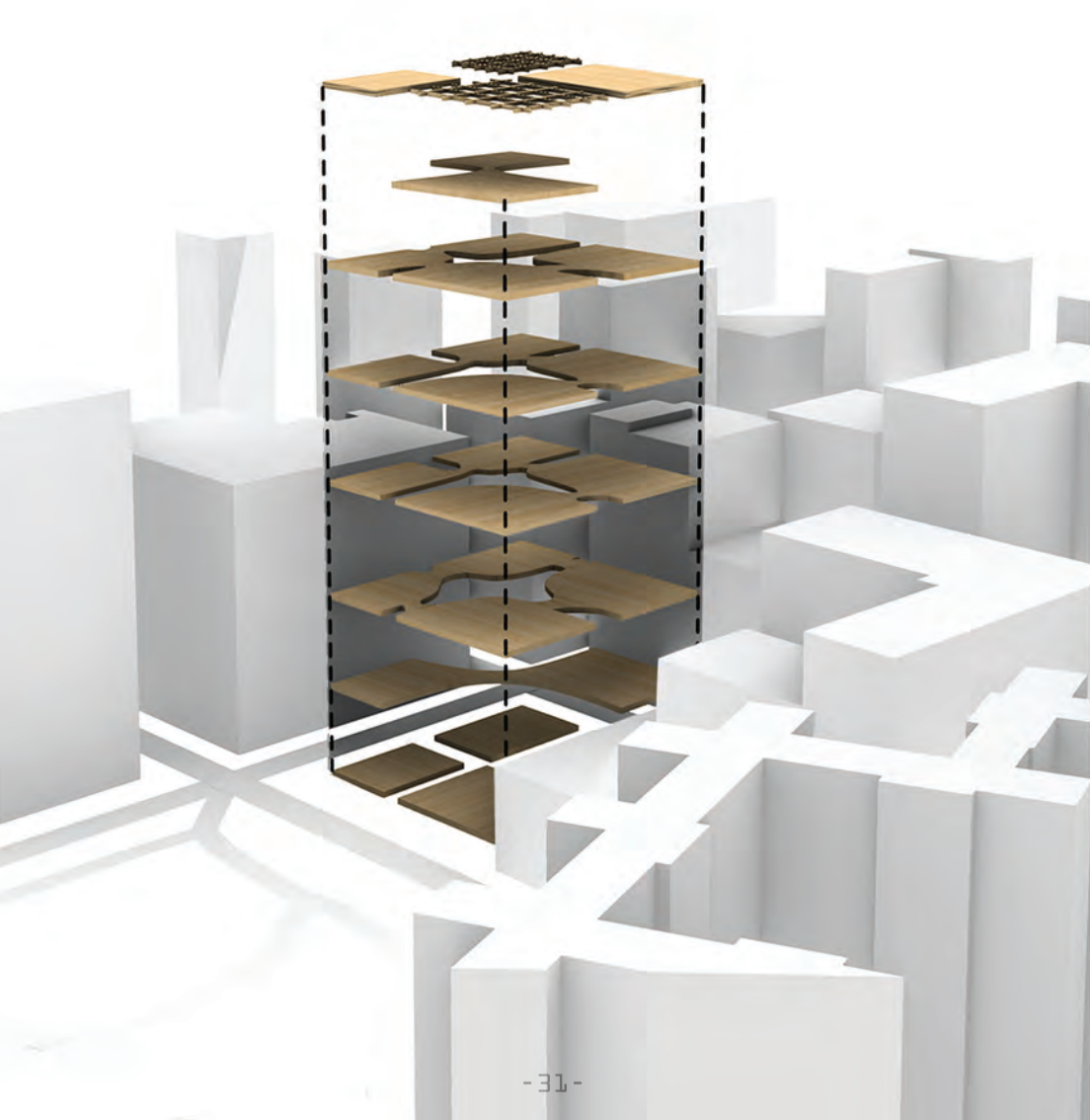
The task was to design flexible learning spaces for a proposed middle school. I chose to begin Symbiosis, as most of my work, with a look to the mechanics of nature for its ability to evolve and adapt.

The traditional post and lintel system was explored through a parametric design approach using cross-laminated timber which allowed for the carving out of programmatic and occupiable learning spaces or cells.

An undulating and blossoming effect of the towers were created through the cascading of the floor slabs, allowing light to filter throughout each learning space.



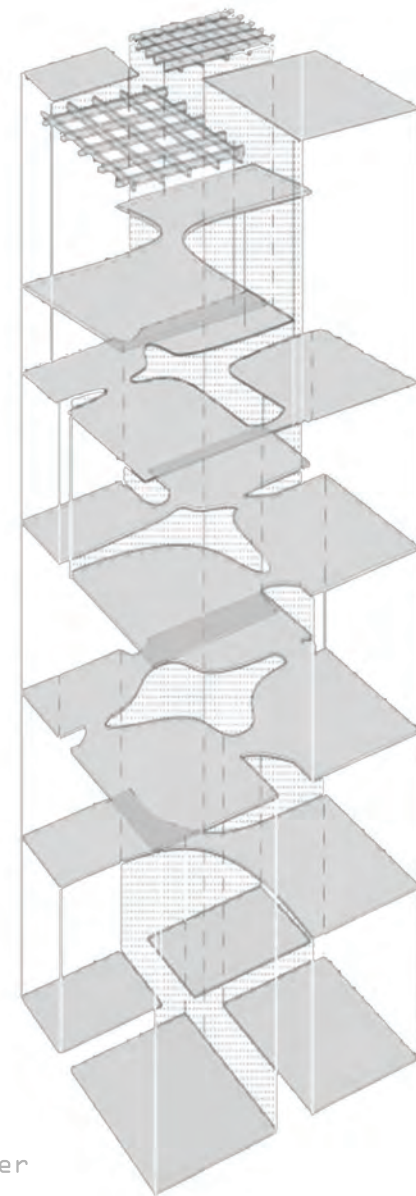
Final Model



art room
science lab

cafeteria
gymnasium
student lounge
library

auditorium
indoor pool
community center

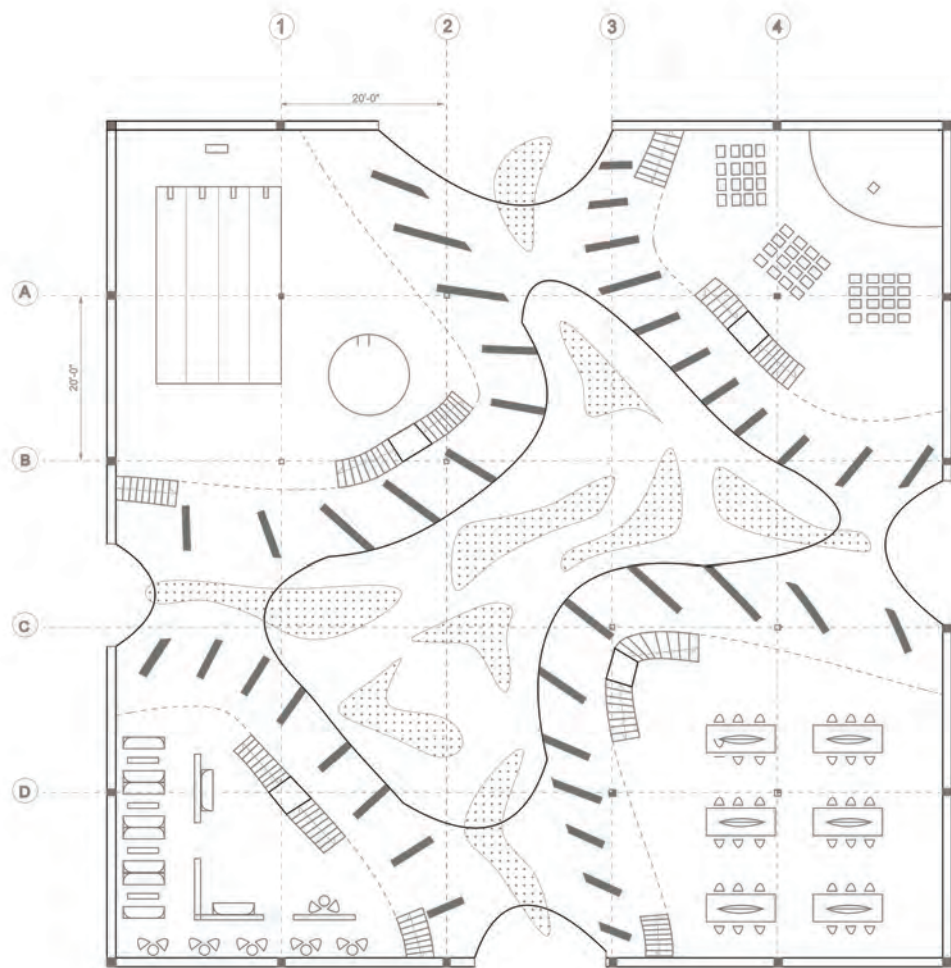


garden
recreation

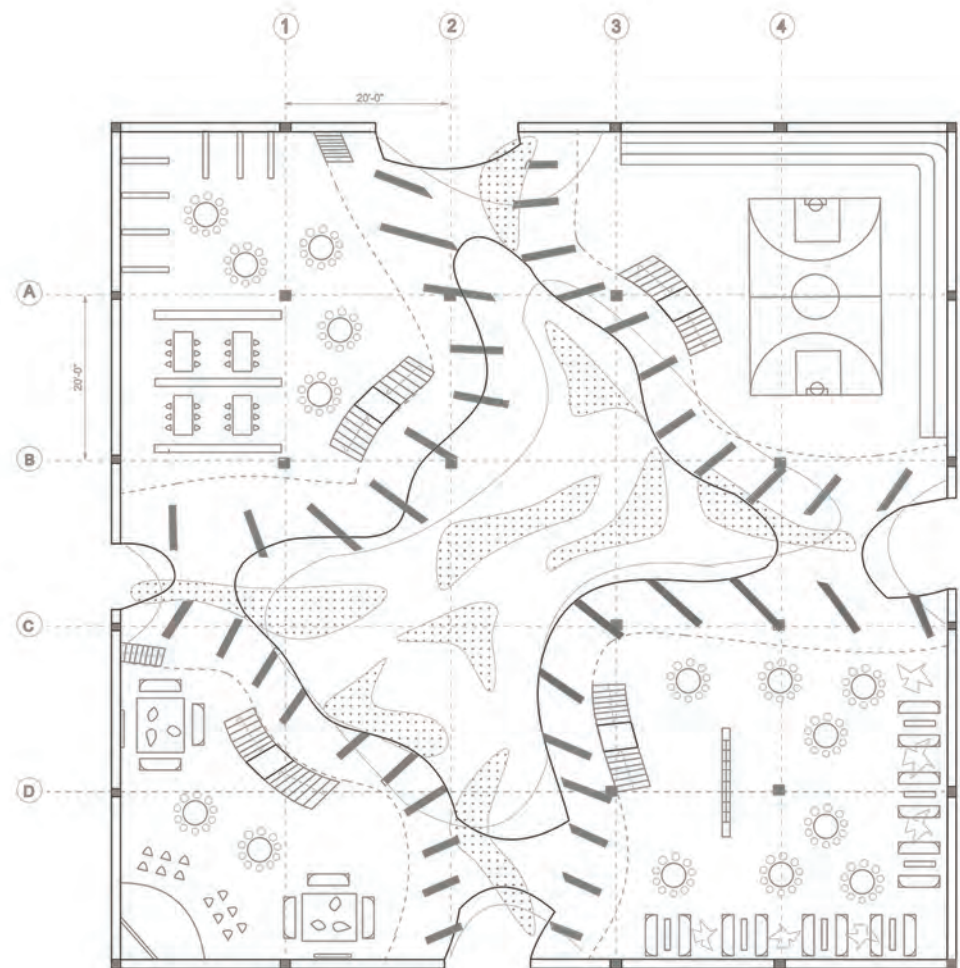
nurse office
storage

classroom
conference
room

Circulation & Program Diagram



Floor Plan 1



Floor Plan 3



Interior Render

Within these four towers exists a microcosm of life and diversity that fosters academia. The semi-transparent curtain wall that make up the exterior membrane of the building keeps this world private and protected for the students. But once inside, a theater of these inter-connected and programmatic cells line the interior courtyard.

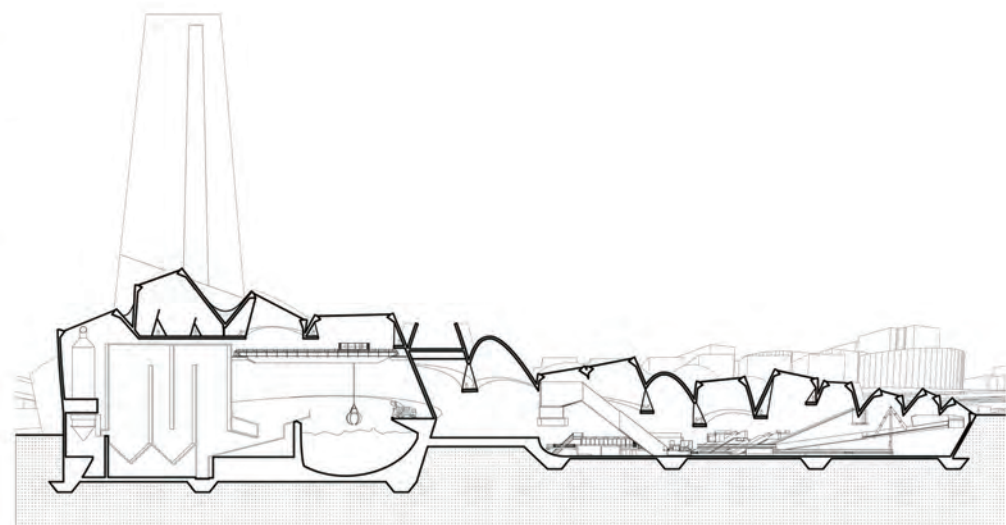
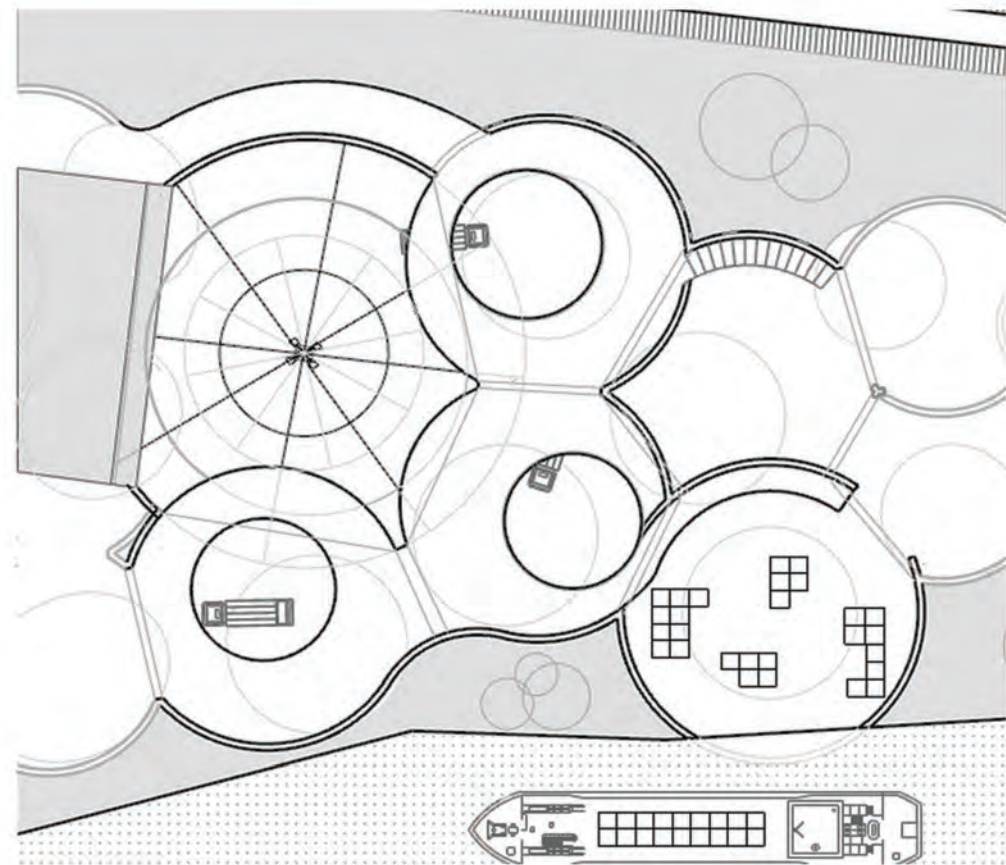
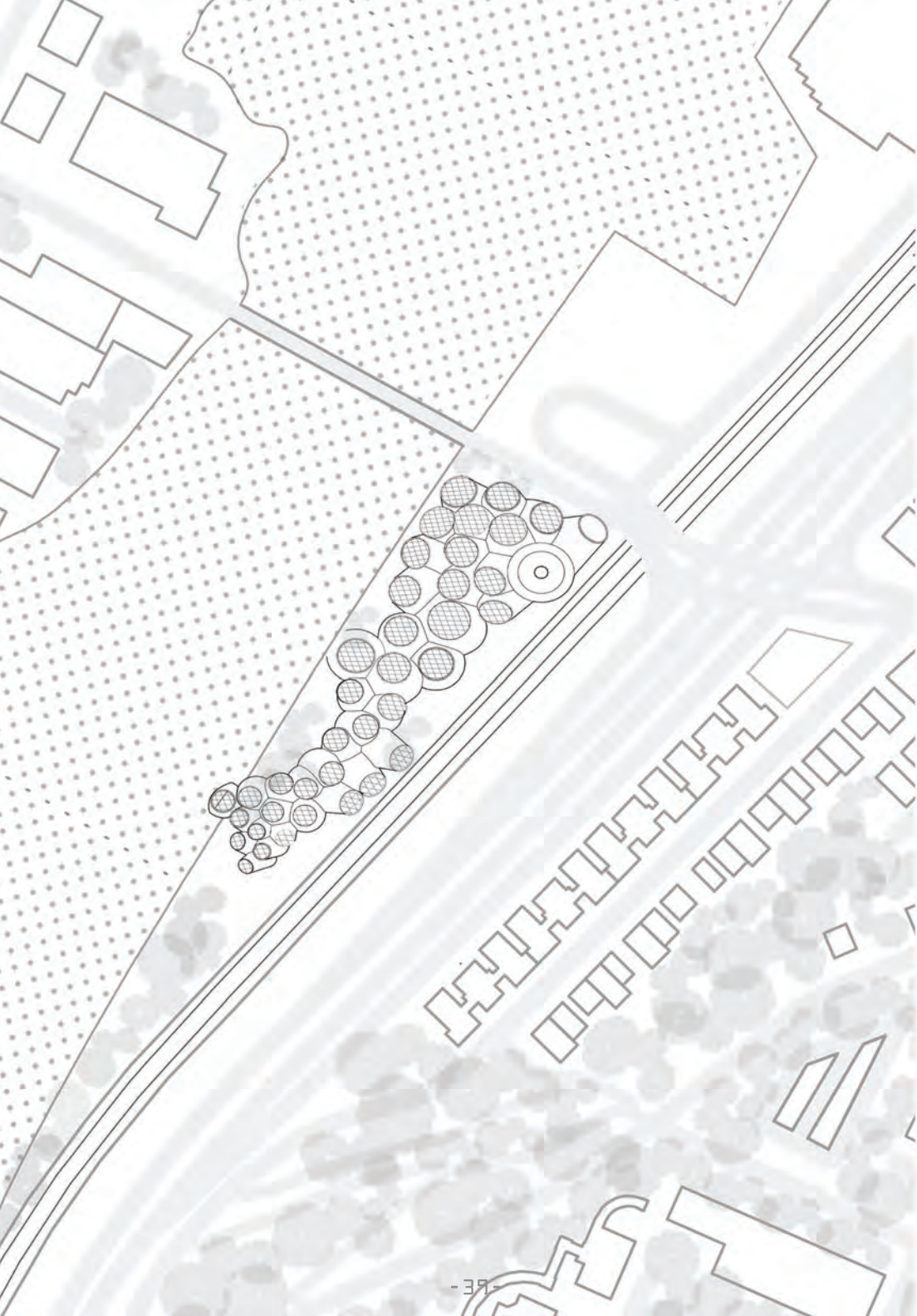
The environmental impact of human activity has reached critical thresholds, ushering in a new geological era called the Anthropocene Epoch

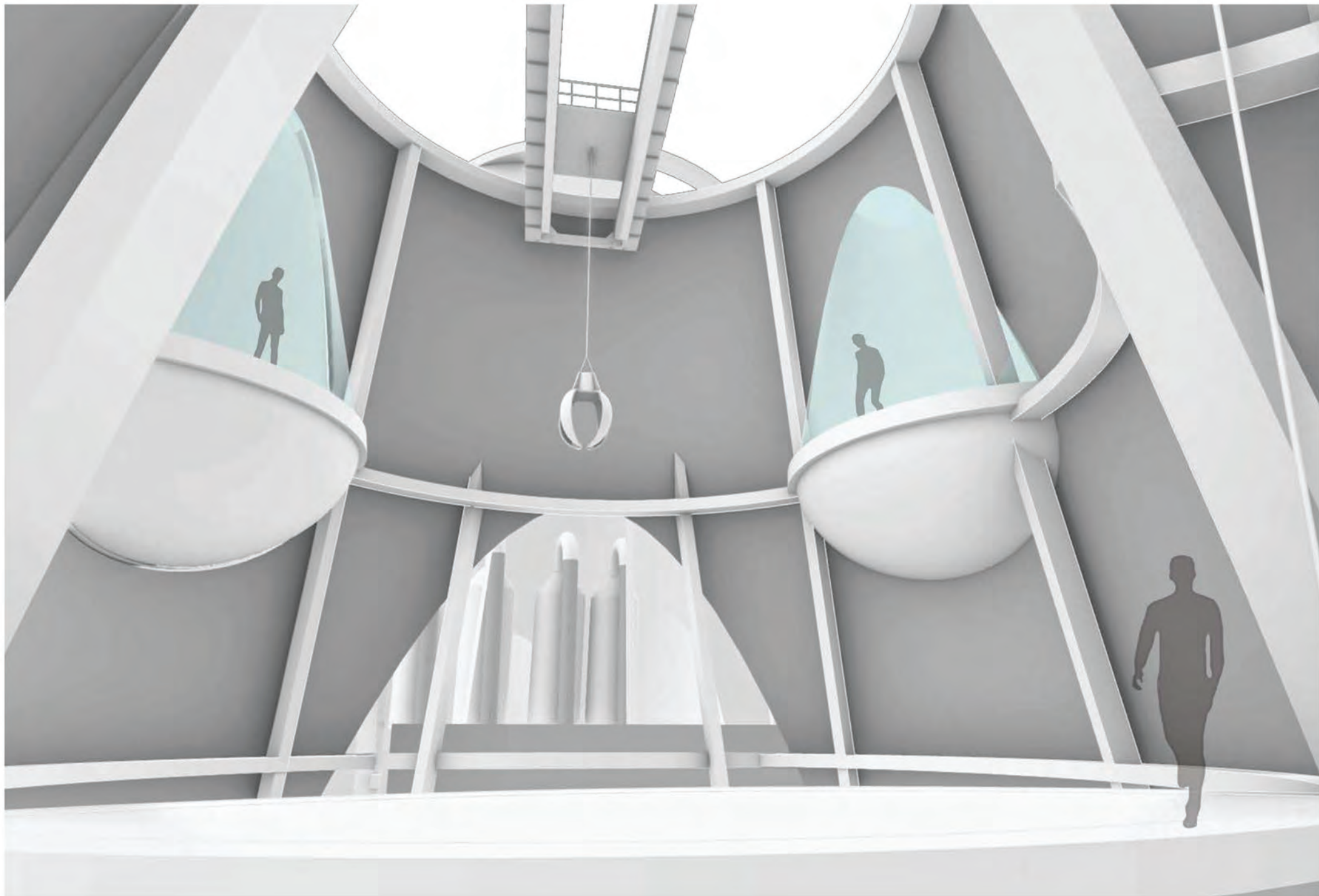
PODS proposes a cyclical process to waste management, where non-recyclable waste is converted into usable forms of renewable energy. The heat from the combustion of waste generates superheated steam in boilers to produce electricity.

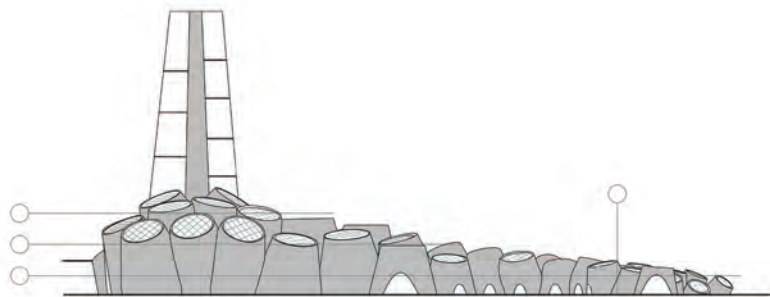
The designs of this facility invoke the human psyche, by creating moments of direct confrontation with ones waste with the goal that he may emerge transformed after his experience

The question is 'are you prepared to come to terms with your wasteful ways?'

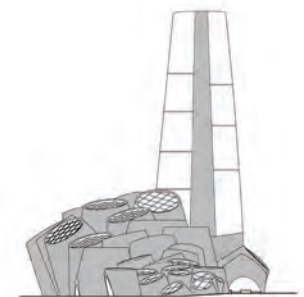




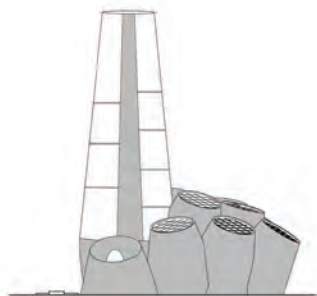




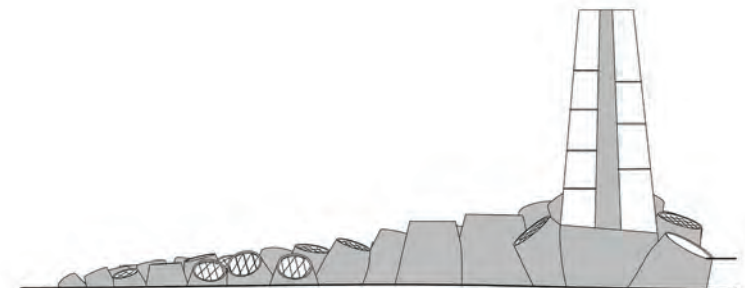
EAST ELEVATION



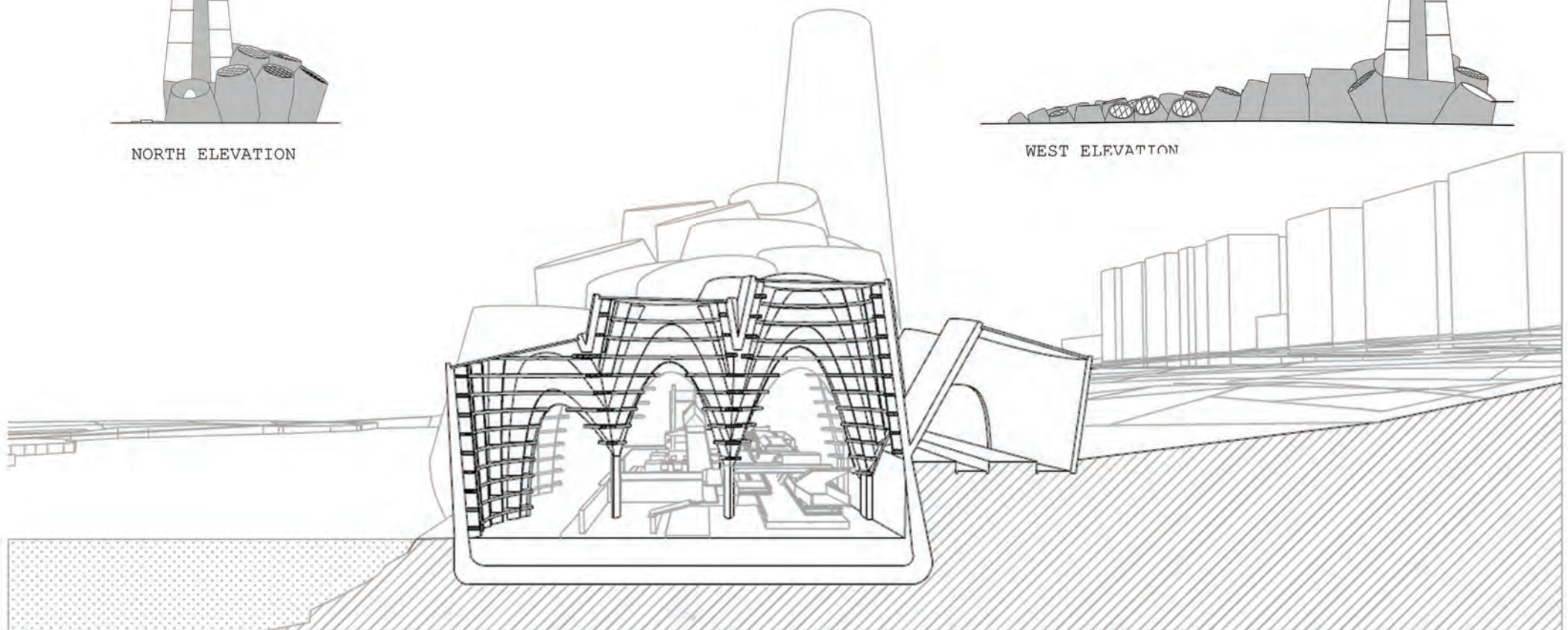
SOUTH ELEVATION

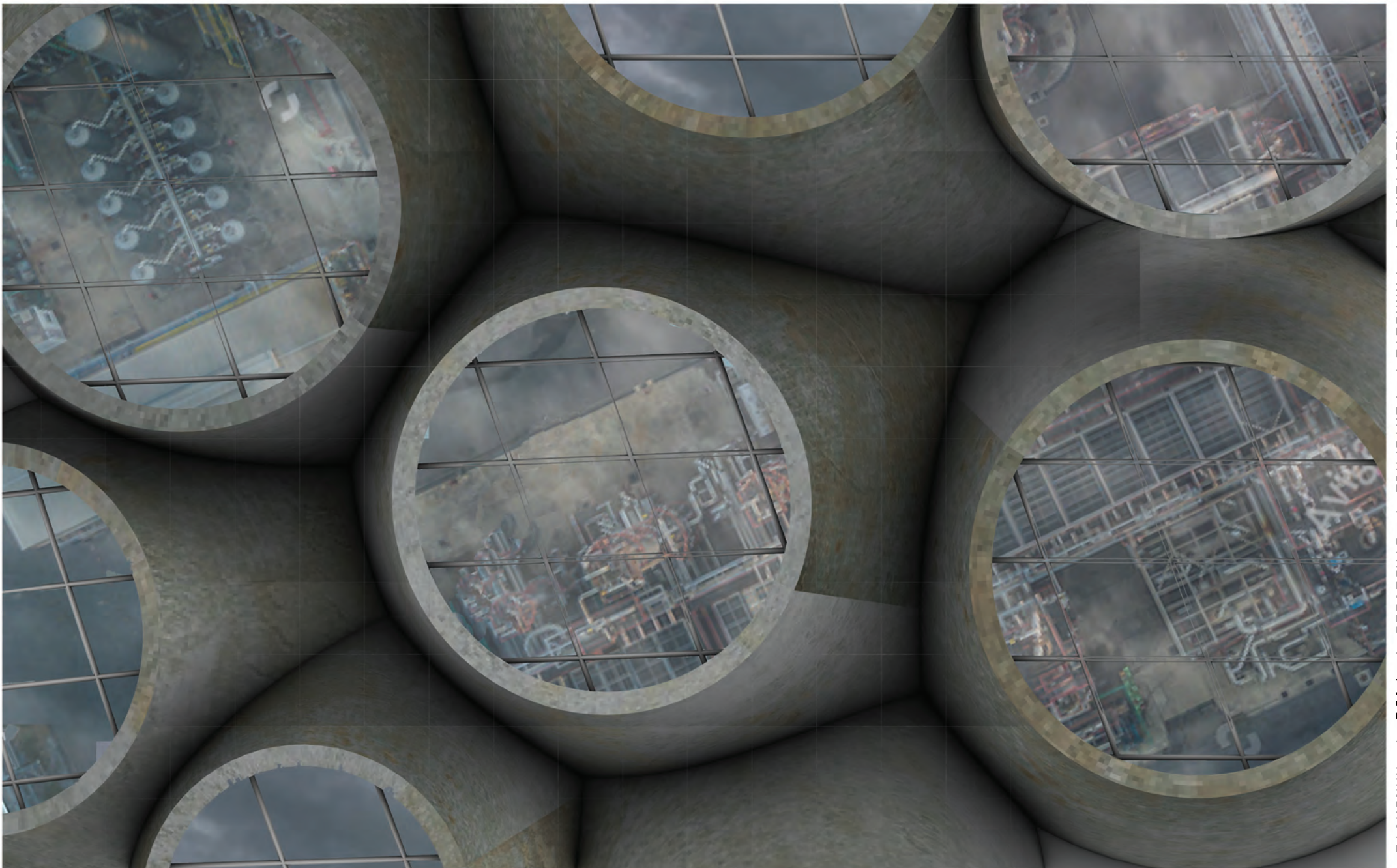


NORTH ELEVATION



WEST ELEVATION





Aerial shot of PODS facility

MANGROVE

How do you design for a world that is in constant flux?

'Flux' is the dynamics of a give-and-take system, a synchronous breathing that flows among, between, and around all things.

If I claim that 'flux' is how this world operates, then can you understand just how delicately dependent all ecological systems become? And how that understanding becomes crucial to the way we inhabit?

Historically, humans have territorialized the water's edge with a rigid boundary condition, this visual project offers a reimagined pier - one that produces more flux between nature and culture





