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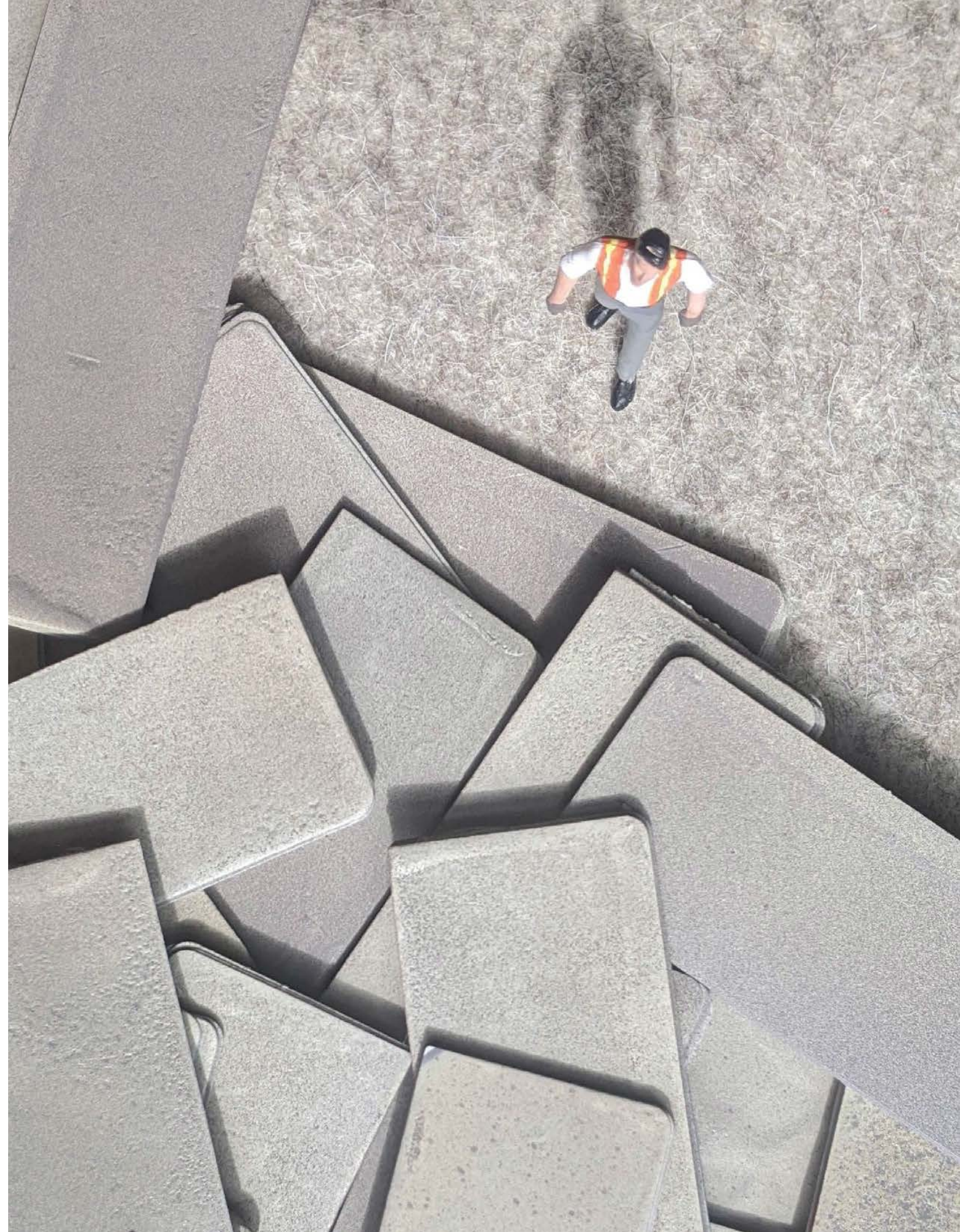
Jennah Jones
M.Arch 2024
Works in Progress

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re:collection

Re:Collection is a temporary, in situ, material-processing laboratory. It is constructed on the site of a demolition, using materials that are salvaged from the original building. Community members turn into masons, architects, and designers as they collect materials from the existing building, and repurpose them into sculptures and material banks. After the building is fully deconstructed, the land will be returned to the descendent community, united by shared ancestry of the African Burial Ground.

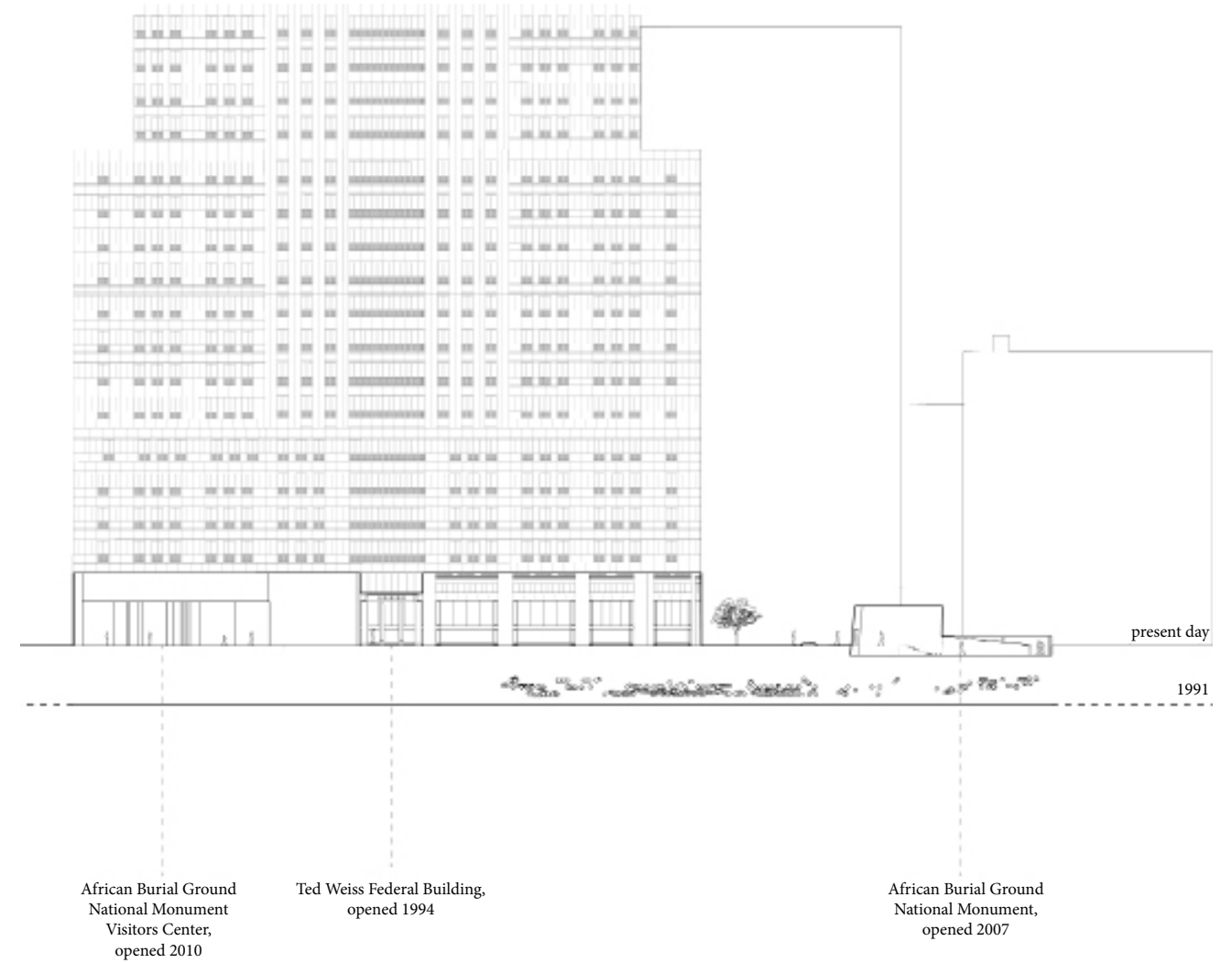
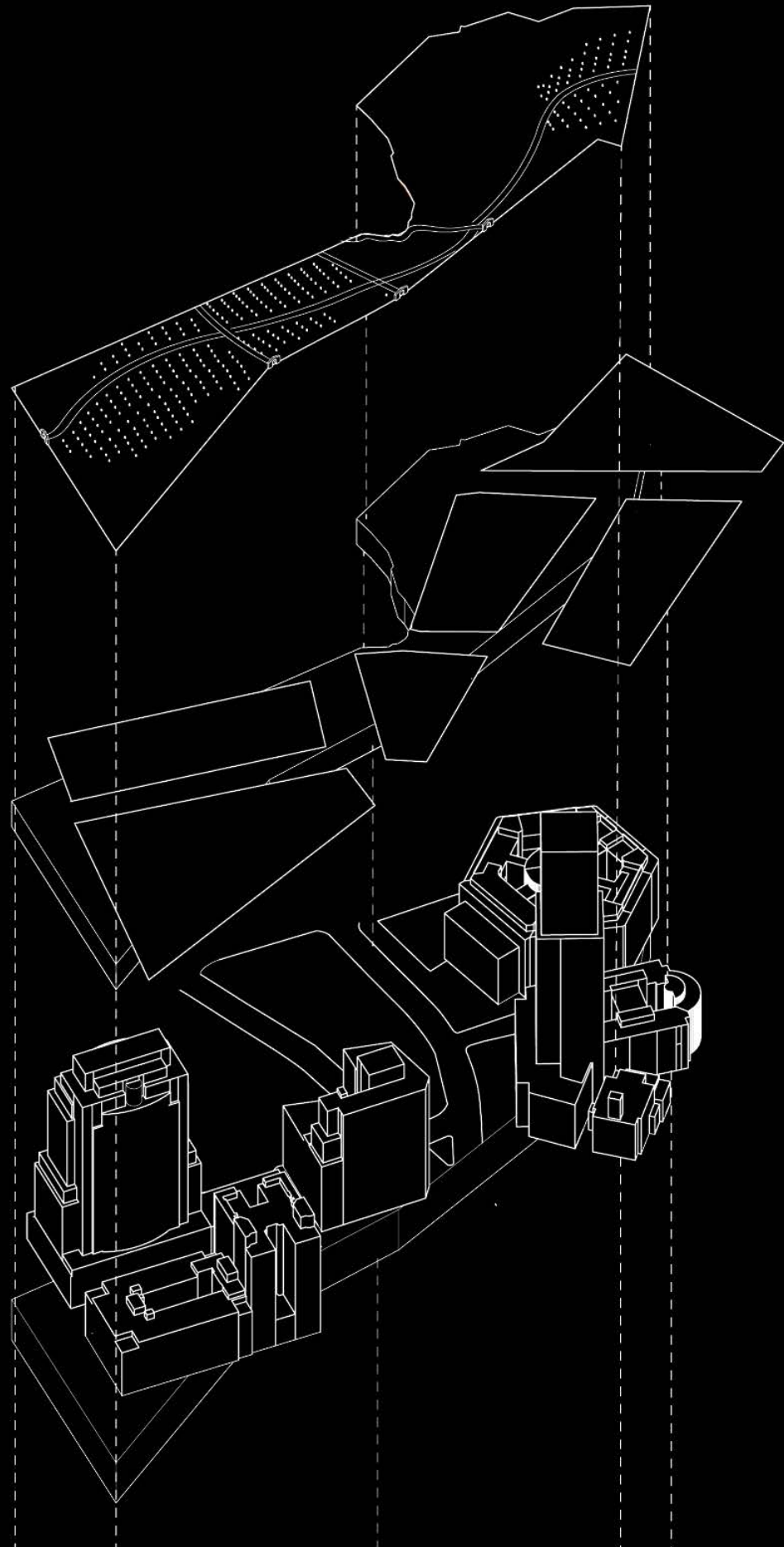
Core I Studio
Lindsey Wikstrom
Fall 2020

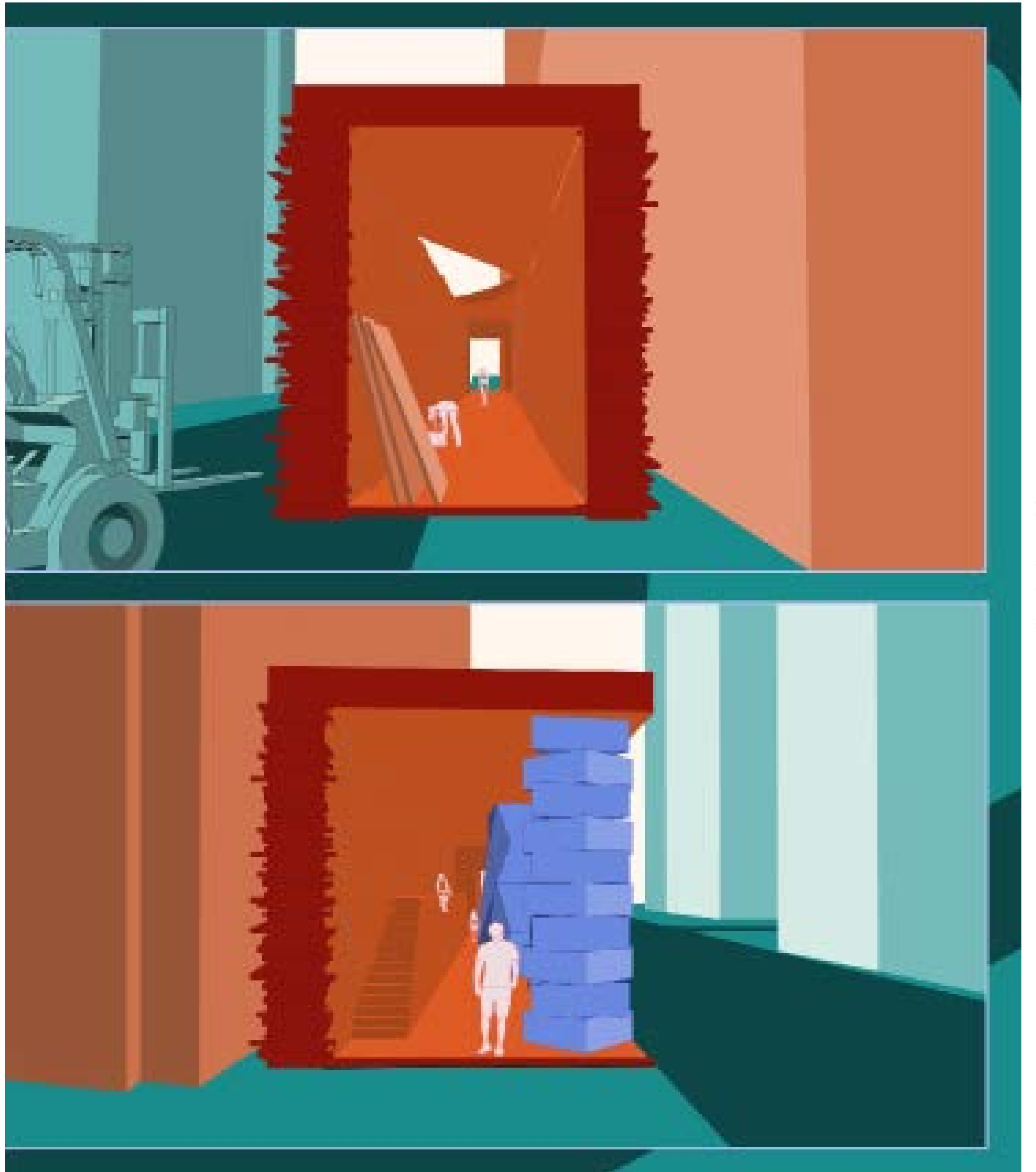


Late 1600s - 1740: The African Burial Ground served as the only space where freed and enslaved Black Americans could be buried. Their bodies were not accepted into white cemeteries

1797: The Taylor-Roberts city plan obscured the formerly recognized burial ground, as the plot was converted into viable real estate

Modern-day New York City: The burial ground now rests 24 ft underneath Foley Square, the city's hub for government and judicial buildings



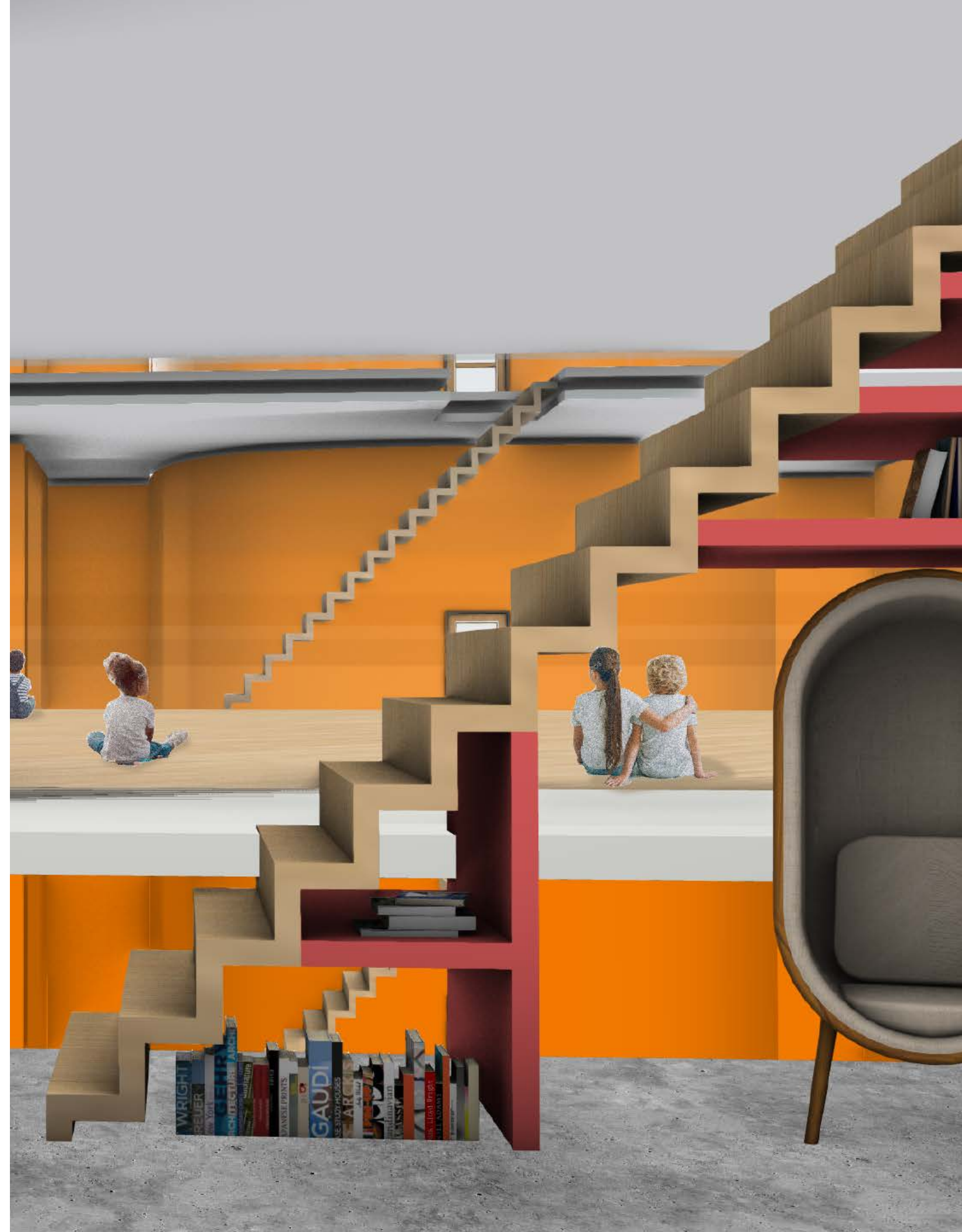


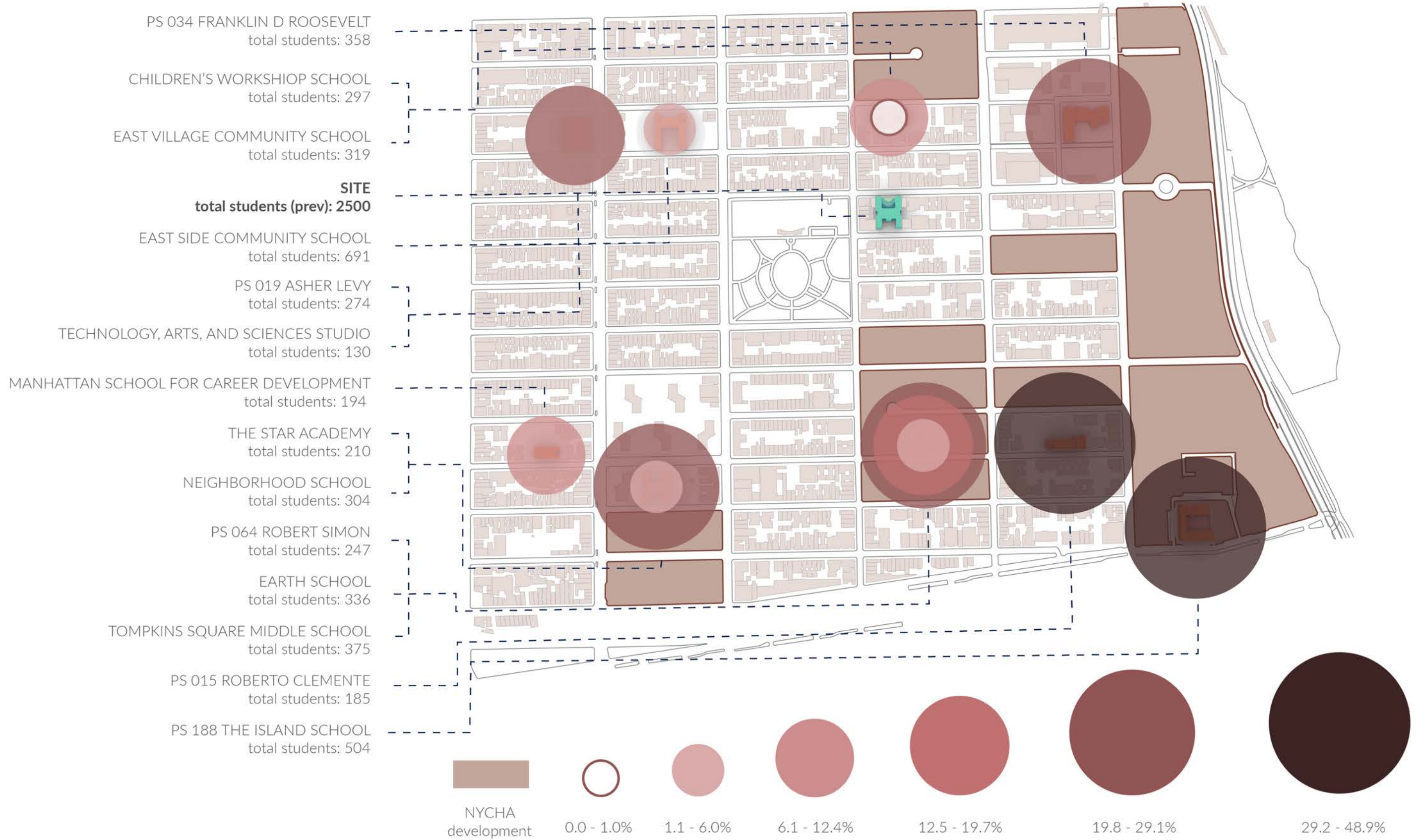


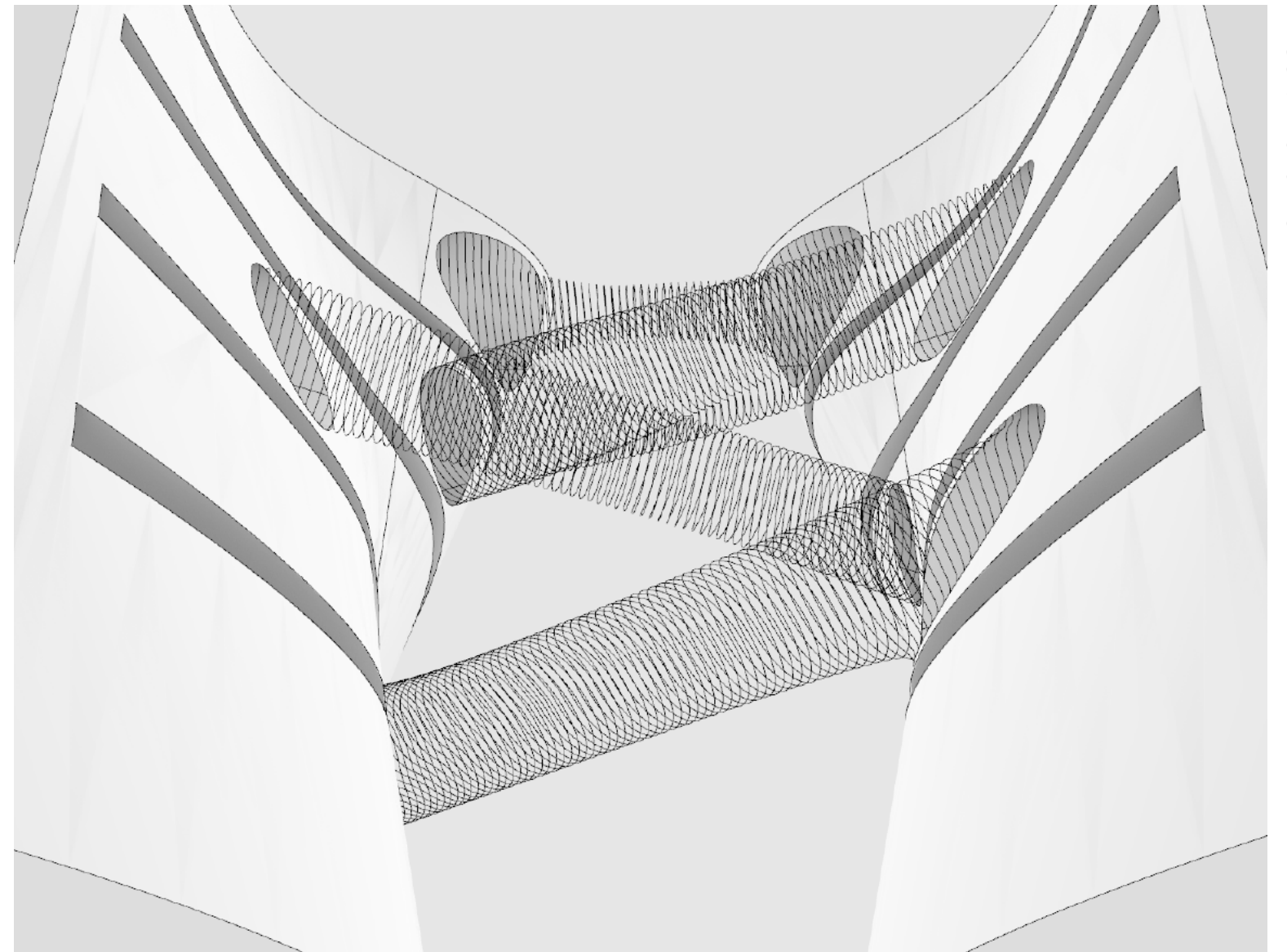
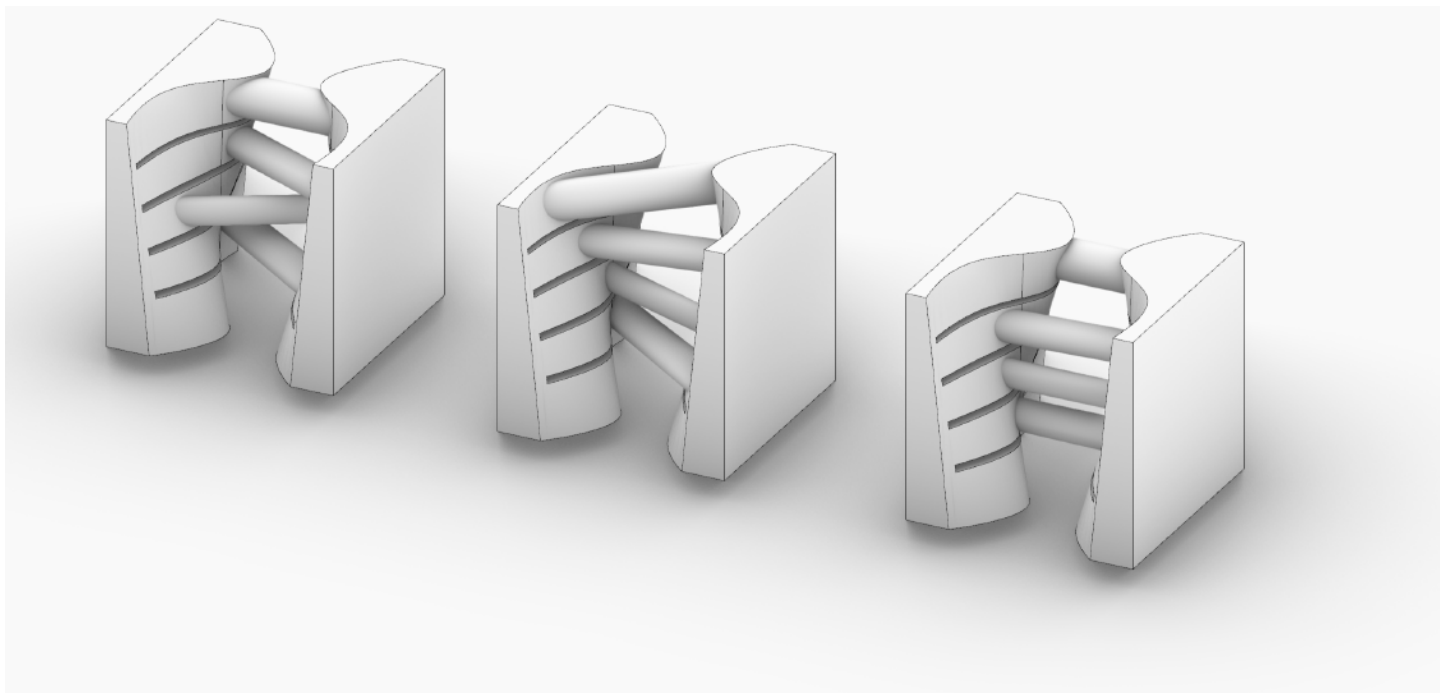
the bridge

The Bridge School provides a unique learning environment for the homeless youth of the East Village, where students are housed in one wing of the building, and attend classes in the other. The school is built from the remains of PS 64, a former public school constructed in 1928 by CBJ Snyder that is famous for its H-shaped plan. The middle bar of PS 64 is removed and replaced with a series of floors that alternate between suite-style housing for students and gathering spaces for the larger school community. Nested in the middle, sits a movable platform that accommodates residential needs or educational needs depending on what floor it sits.

Core II Studio
Lindy Roy
Spring 2021





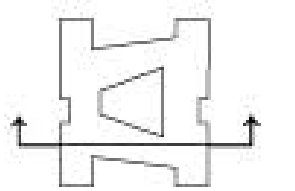
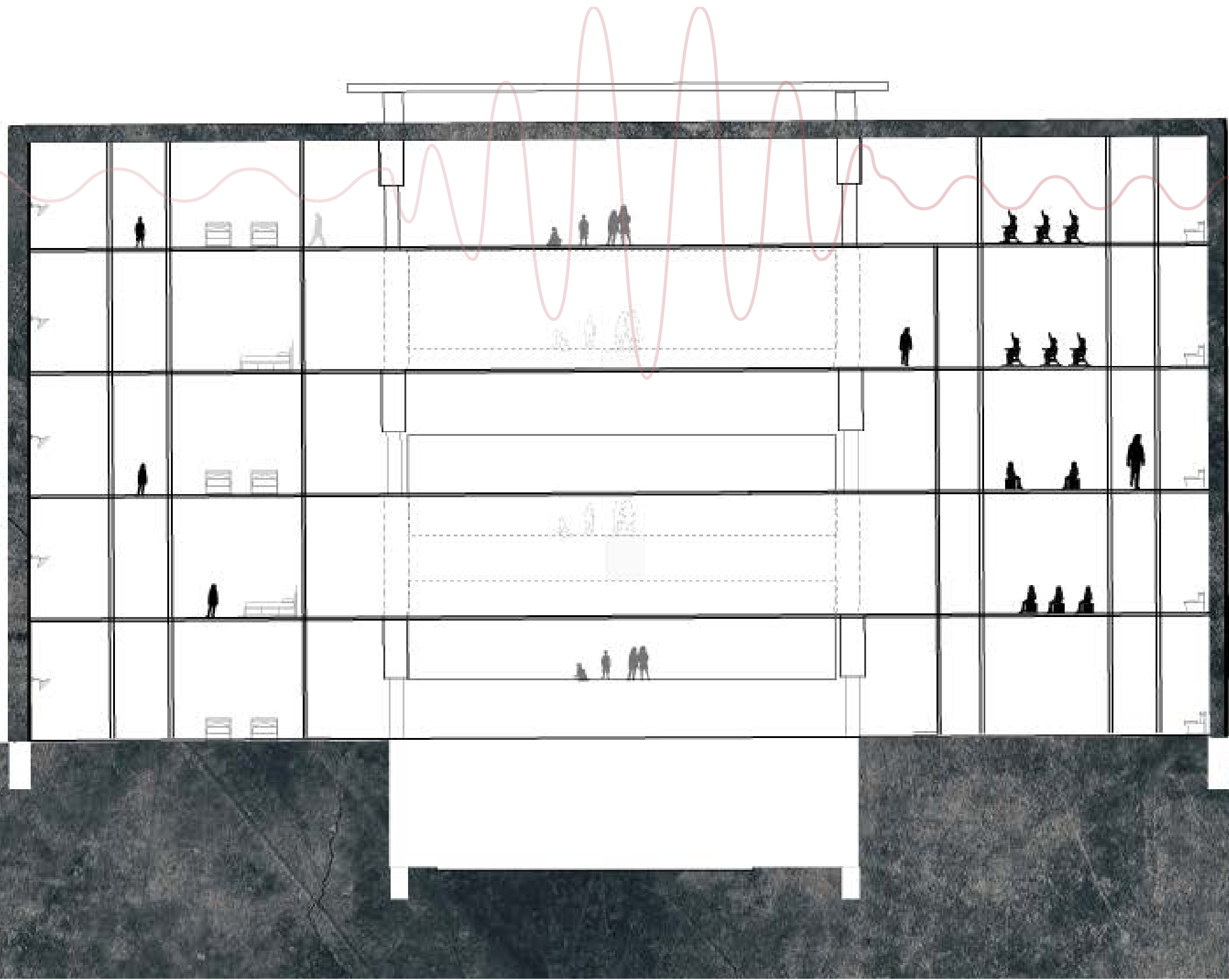


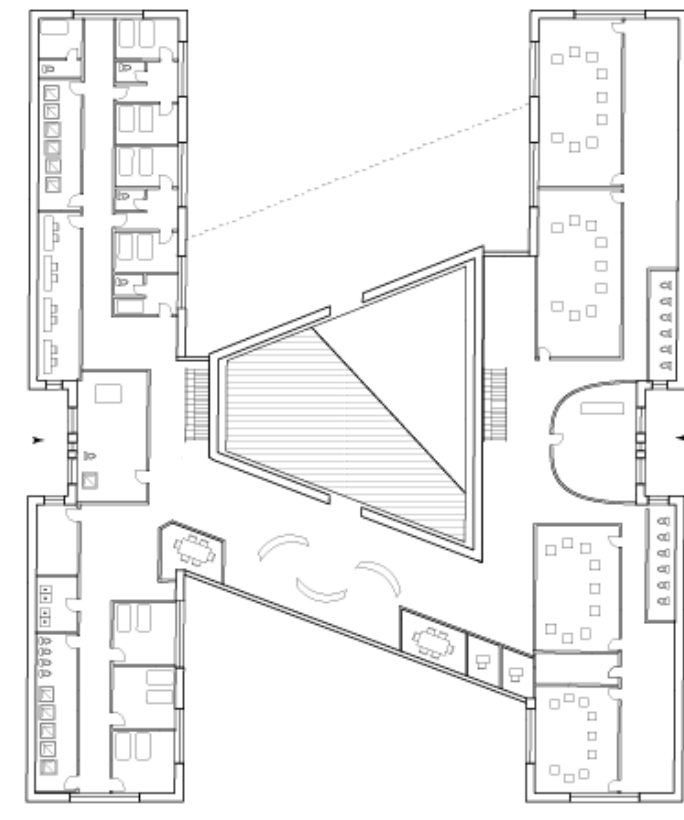
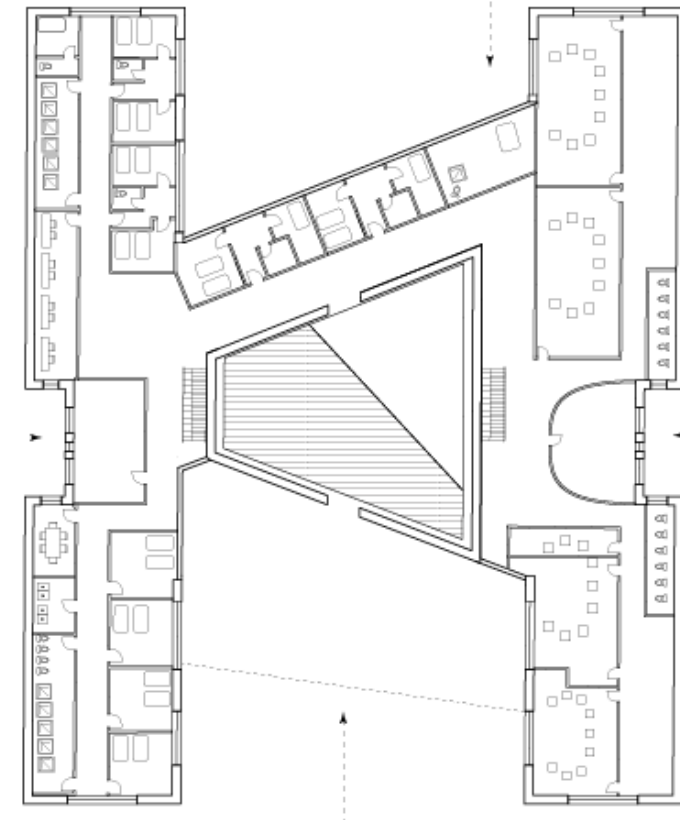
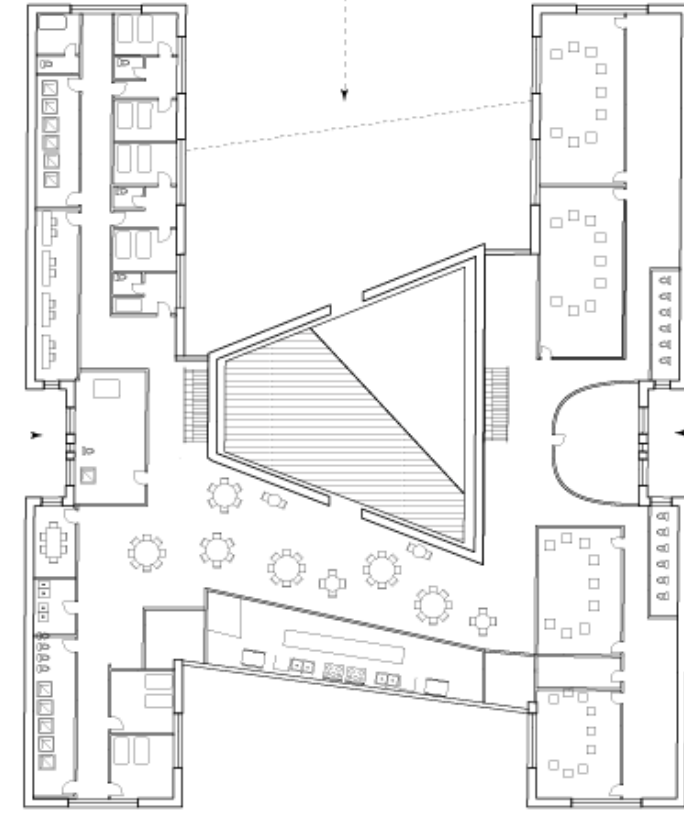
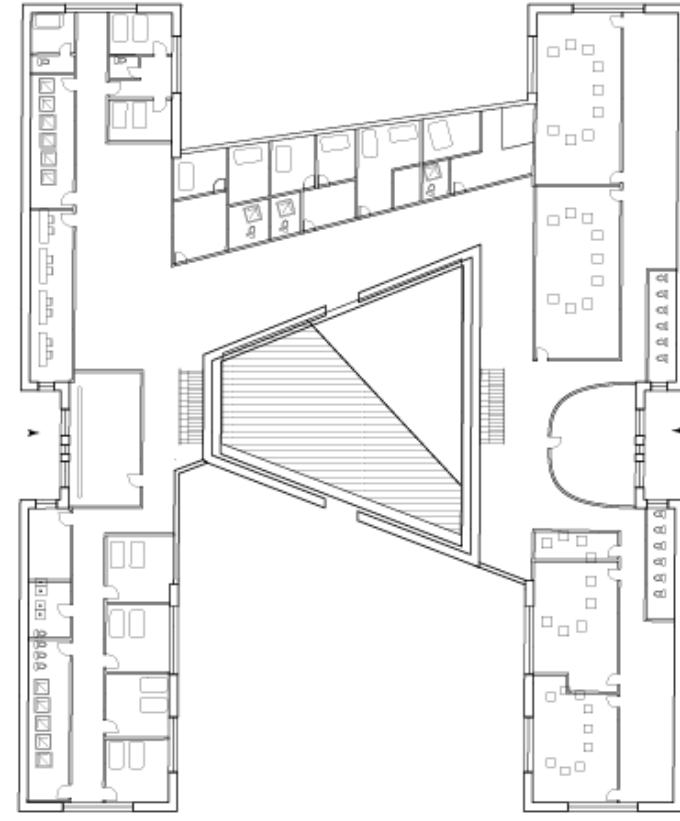
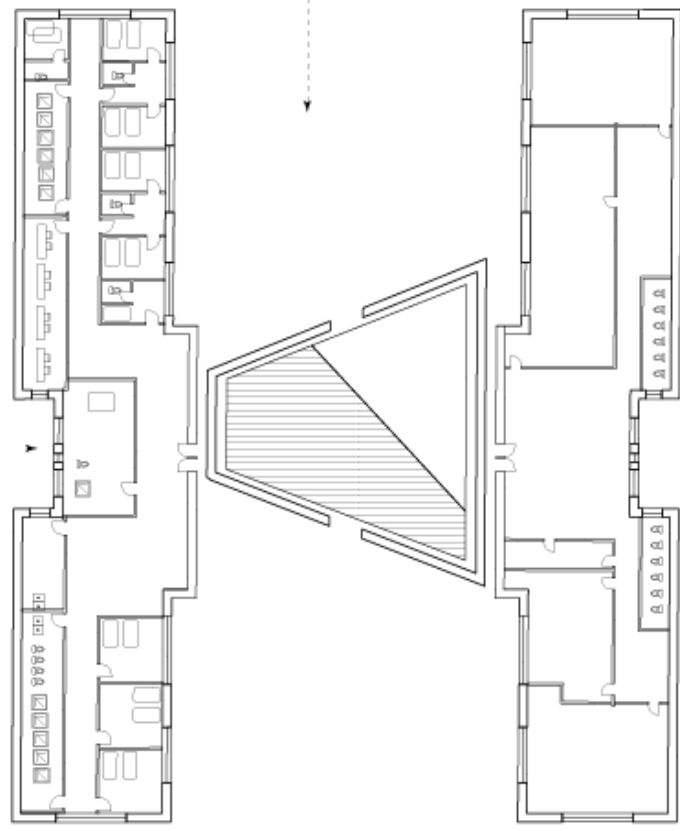
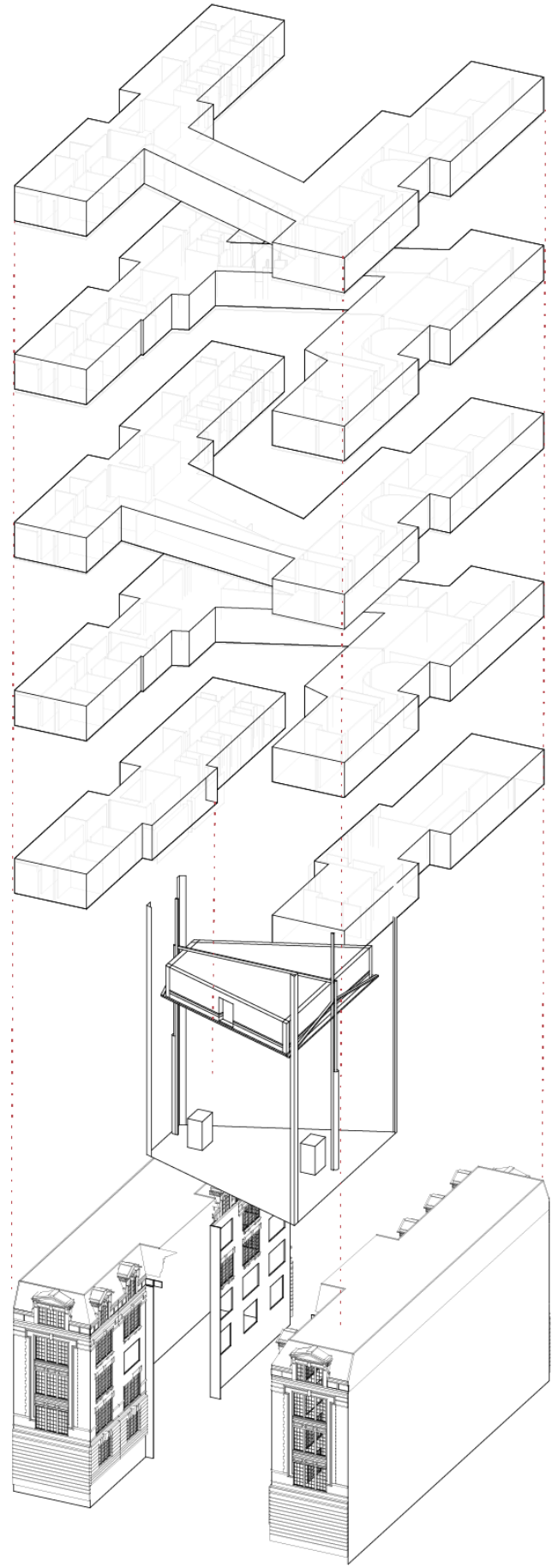
Residential

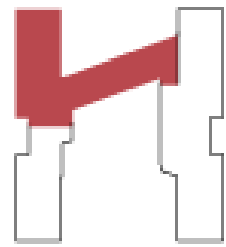
Educational

02_THE BRIDGE

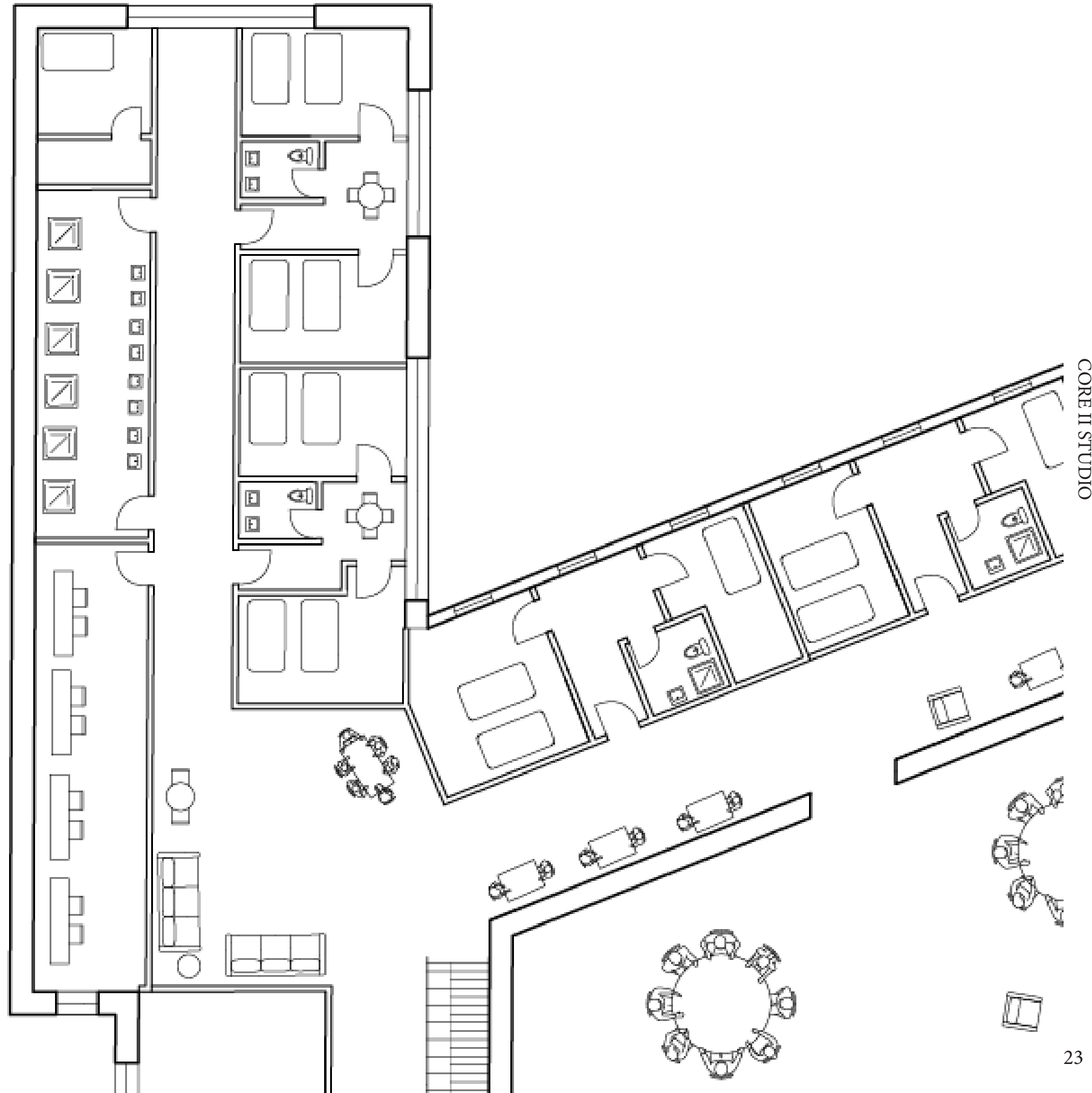
CORE II STUDIO



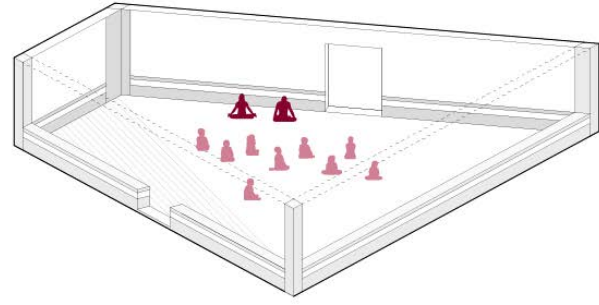




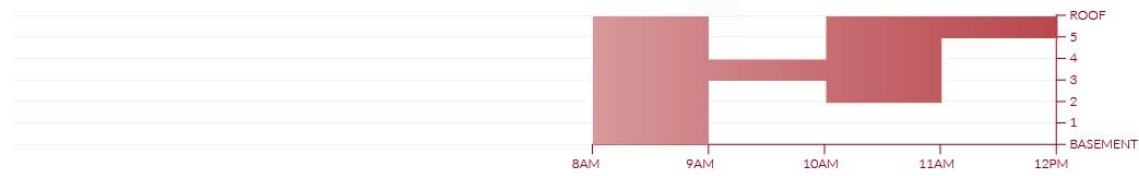
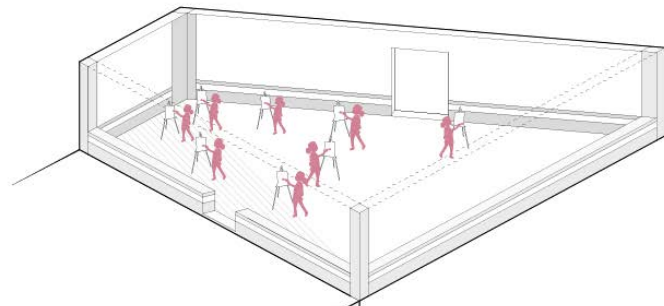
FLOOR 4 (upper left)



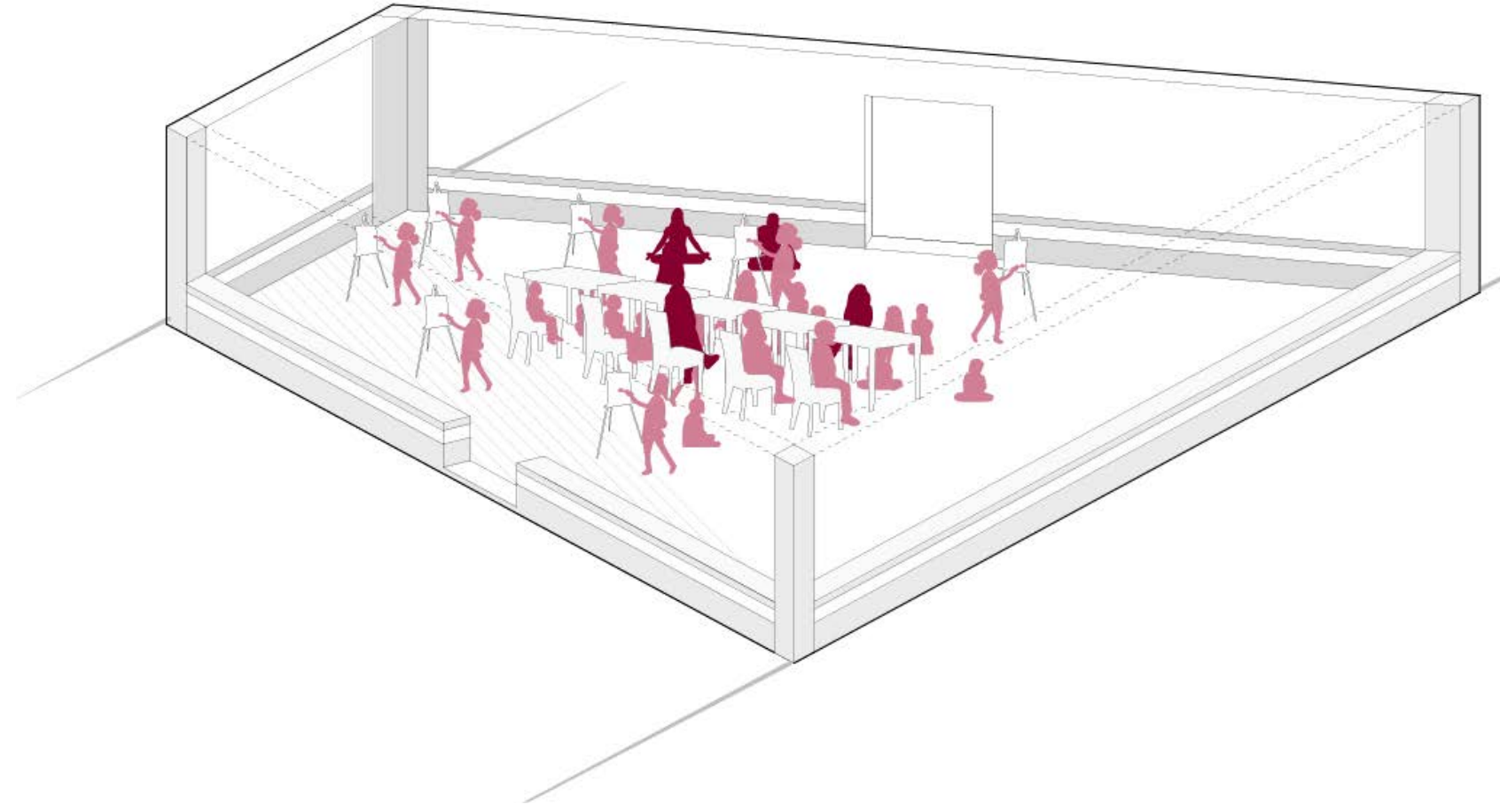
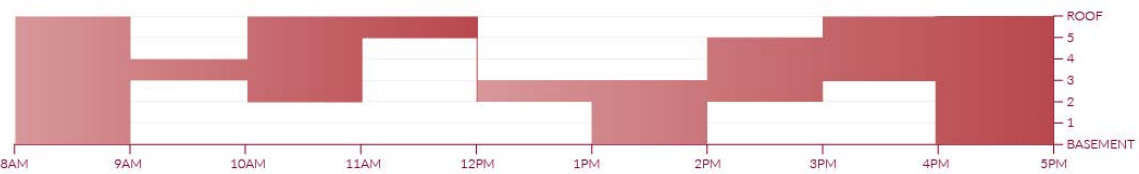
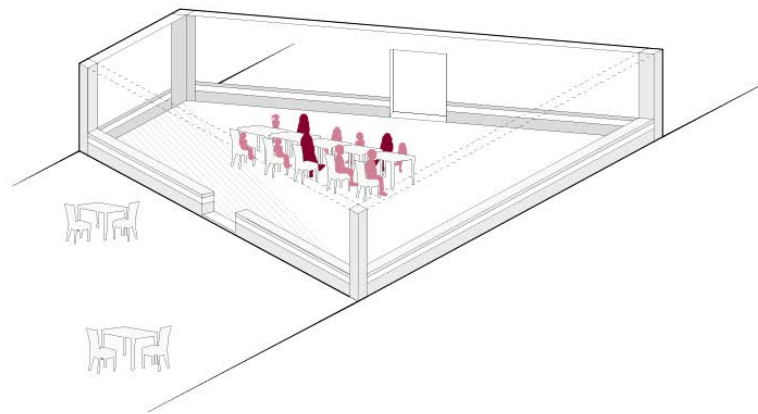
8AM: meditation
 9AM: gardening
 10AM: talk therapy
 11AM: art therapy
 12PM: lunch
 1PM: public service
 2PM: creative writing
 3PM: tutoring
 4PM: community dinner



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CORE II STUDIO

02_THE BRIDGE

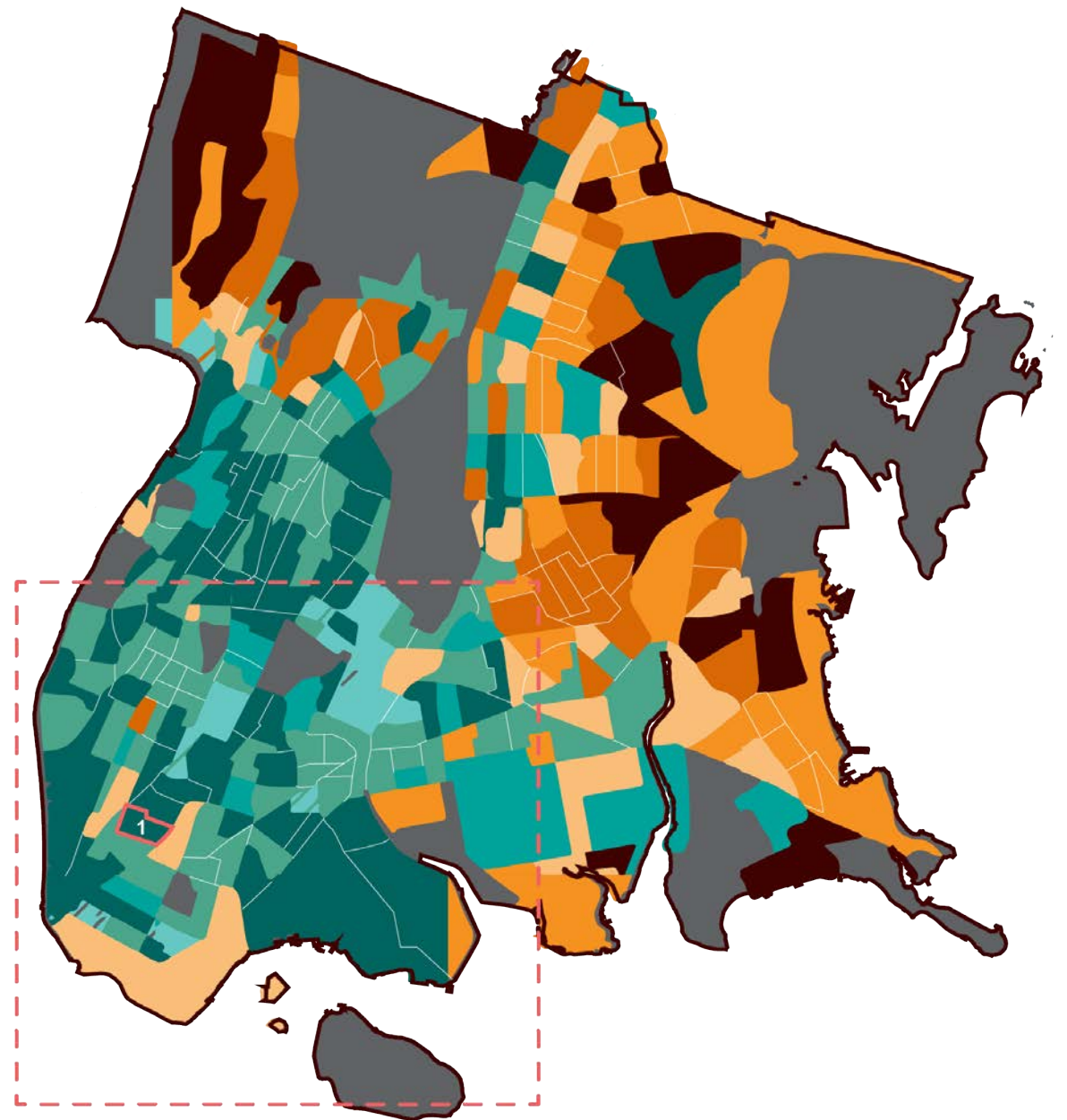
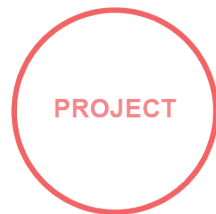
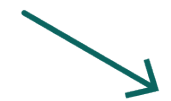
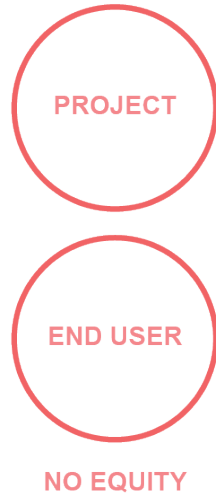


03 re:vest

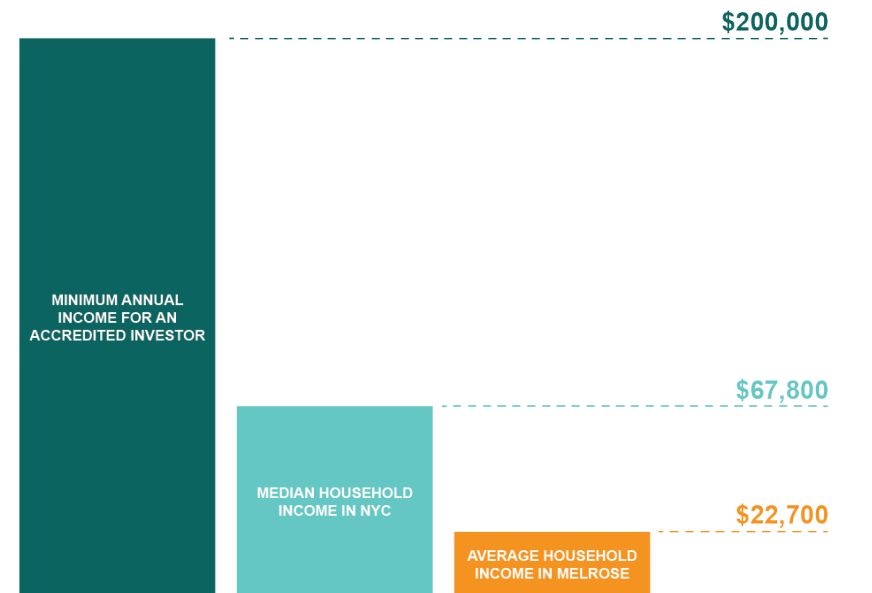
As it currently stands, developers fund their projects through grants, bonds, bank loans, and accredited investors. This prevents community members from owning equity on their property unless it comes in the restrictive form of homeownership. In the Bronx, neighborhoods are quickly gentrifying, and lower-income communities are forced to displace and rebuild with little to no assets. To solve the dual issue of renters failing to obtain generational wealth, and developers falling short of community investors, we propose an equity share model where residents in the Melrose community can invest in new developments, and achieve financial dividends.

Core III Studio
Michael Caton
Fall 2021
Partner: Jacob Kackley

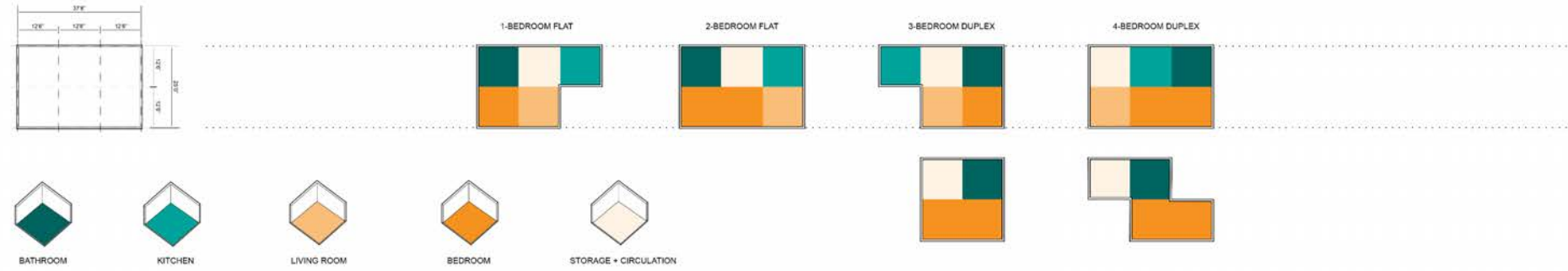




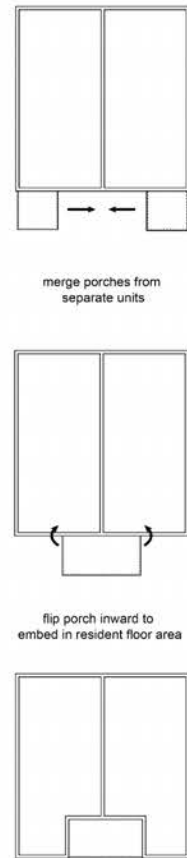
- VERY LOW INCOME
- UNCHANGING LOW INCOME
- AT RISK OF GENTRIFICATION
- ONGOING GENTRIFICATION
- ADVANCED GENTRIFICATION
- UNCHANGING MIDDLE INCOME
- AT RISK OF EXCLUSION
- EXCLUSION
- NO DATA



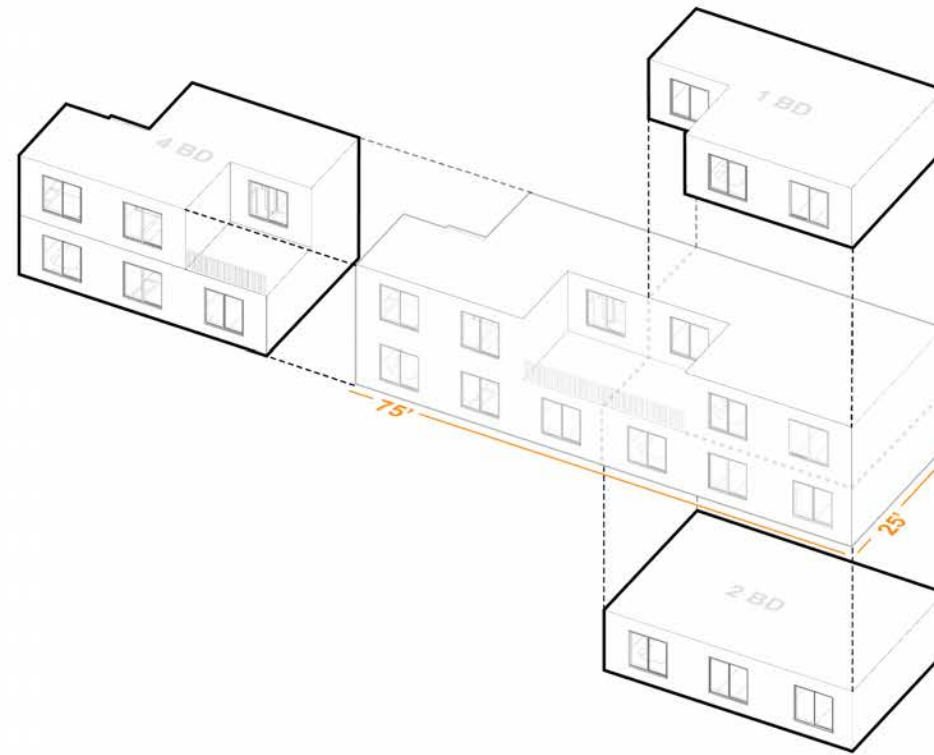
1. DEFINE THE MICROGRID



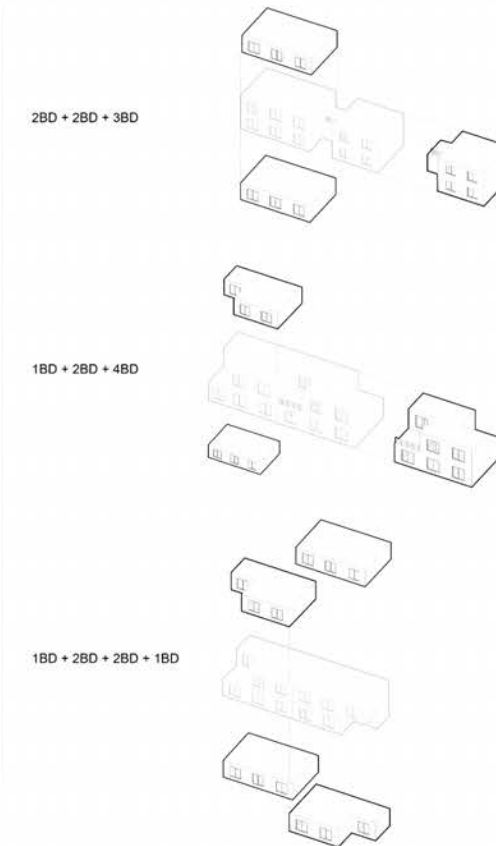
2. FORM THE MACROUNIT



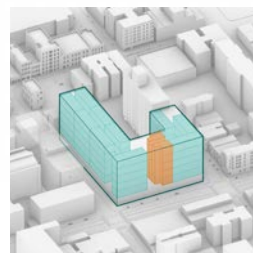
3. AGGREGATE COMPONENTS



4. DEVELOP PERMUTATIONS OF MACROUNITS



DEPLOY MACRO-UNITS

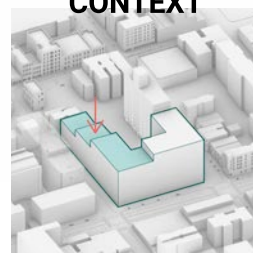


SCHEME A

218 UNITS

8% COMMUNITY PROGRAM

CARVE MASSING TO MEET CONTEXT

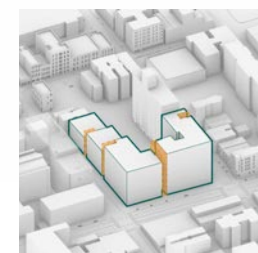


SCHEME B

190 UNITS

17% COMMUNITY PROGRAM

ADD COMMUNITY SPACE



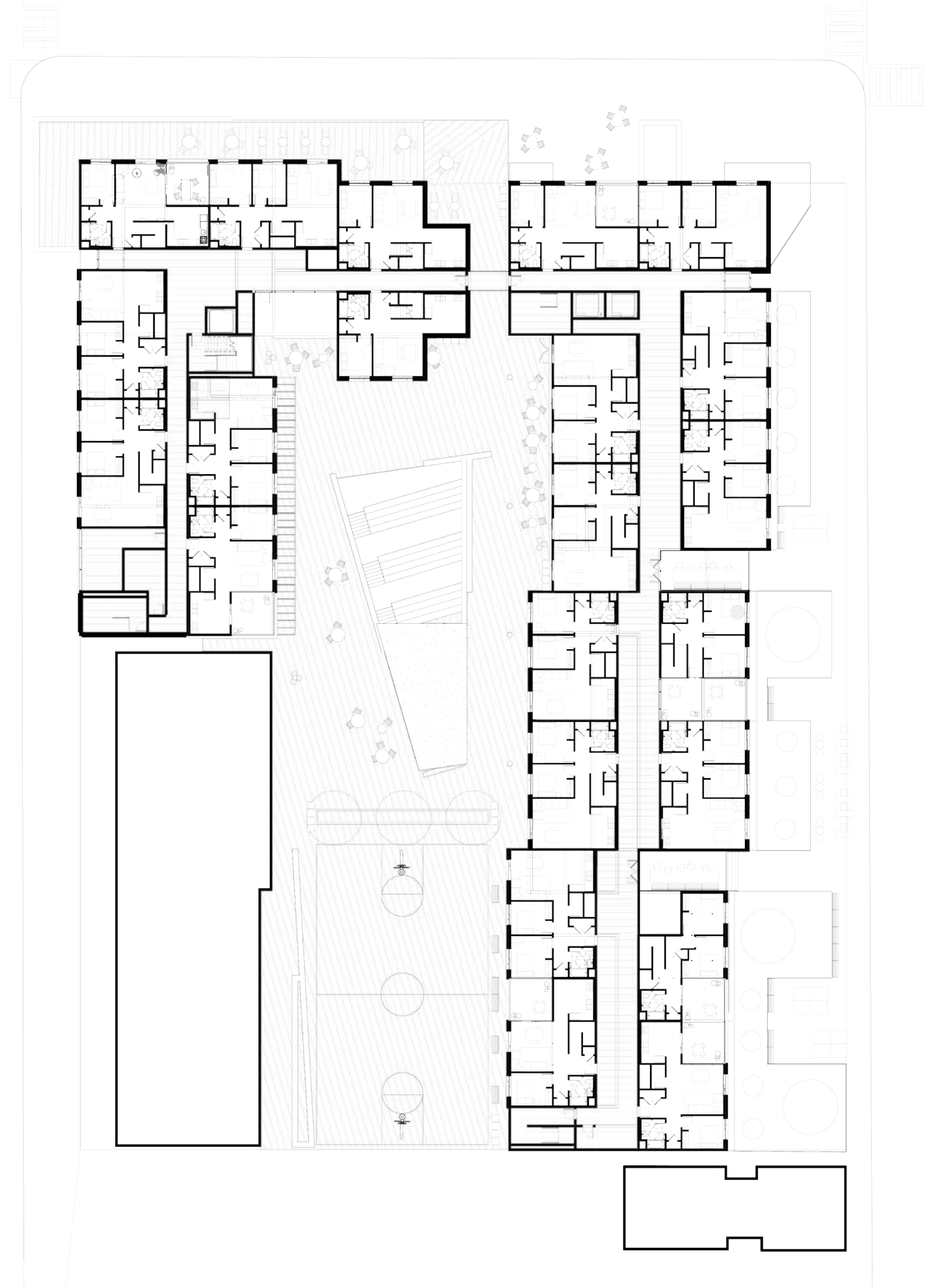
REDEFINE URBAN BLOCK



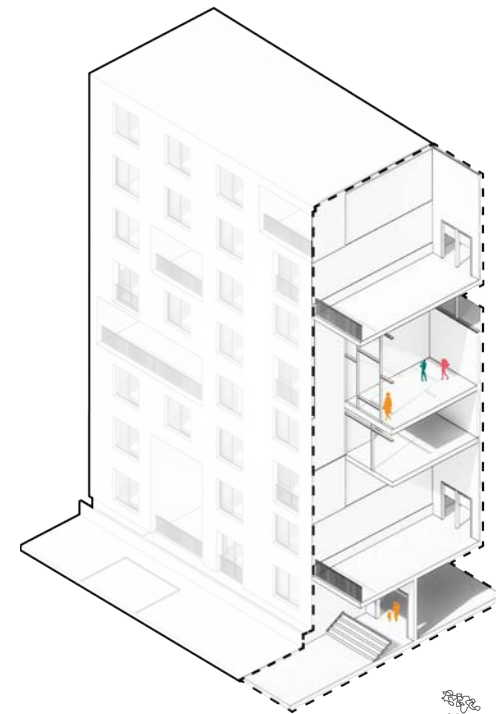
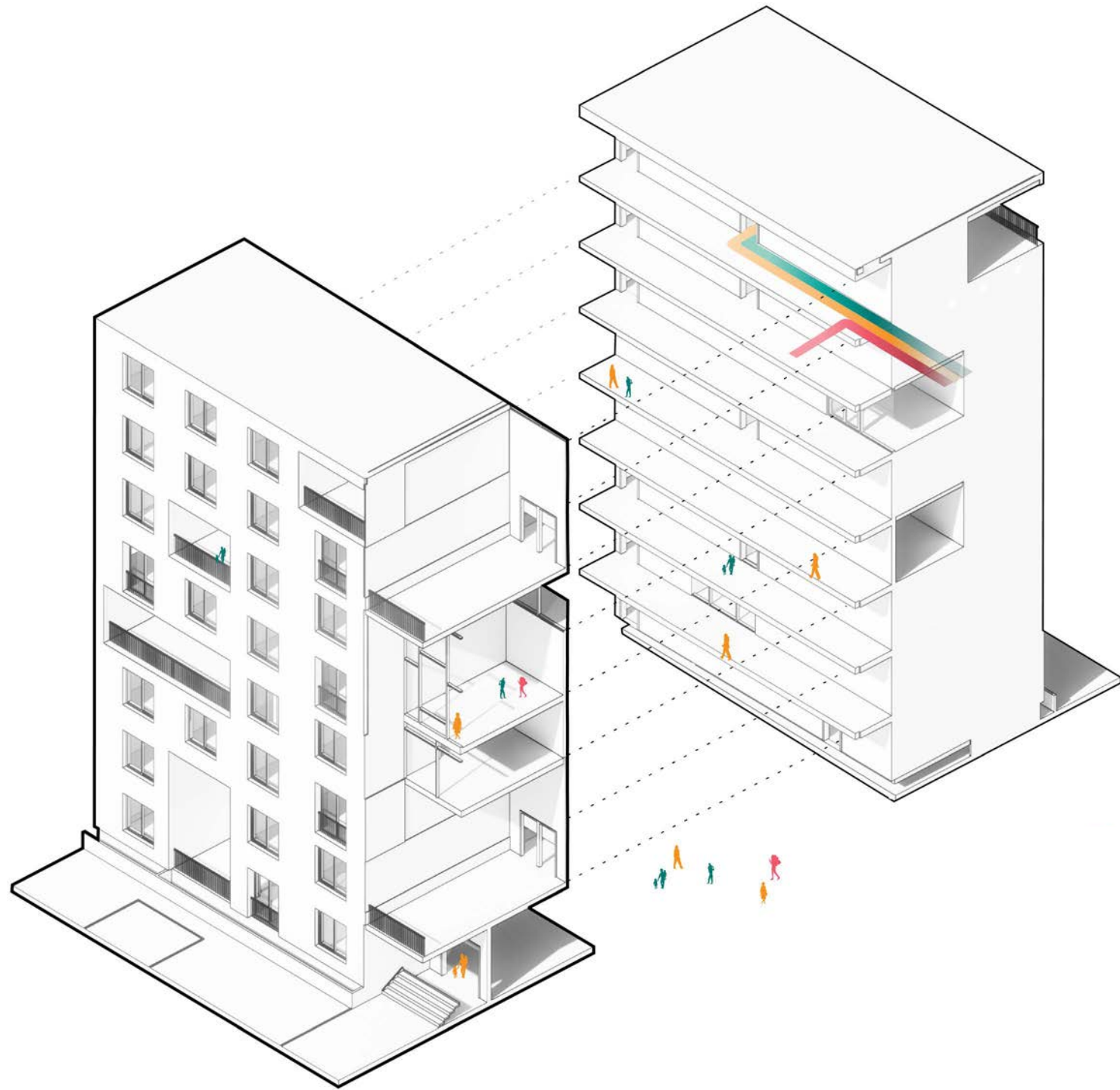
CURRENT SCHEME

172 UNITS

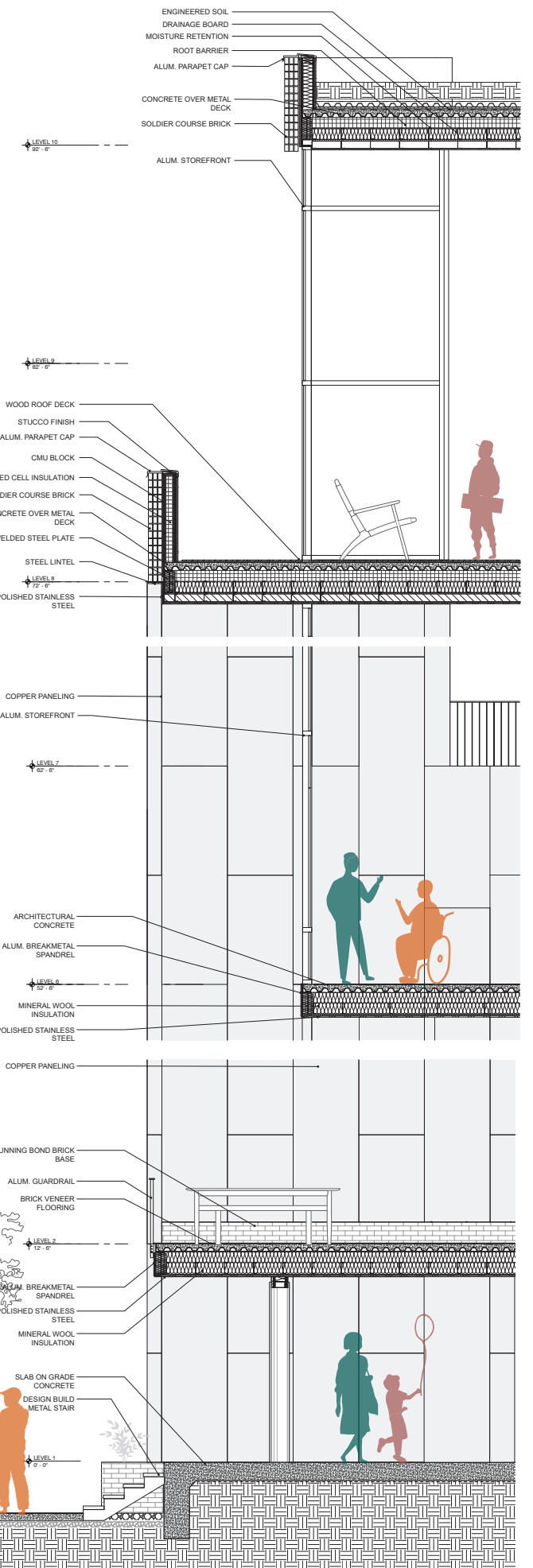
32% COMMUNITY PROGRAM







INSERT COMMUNITY PROGRAM WALL SECTION - 1/2" = 1' - 0"



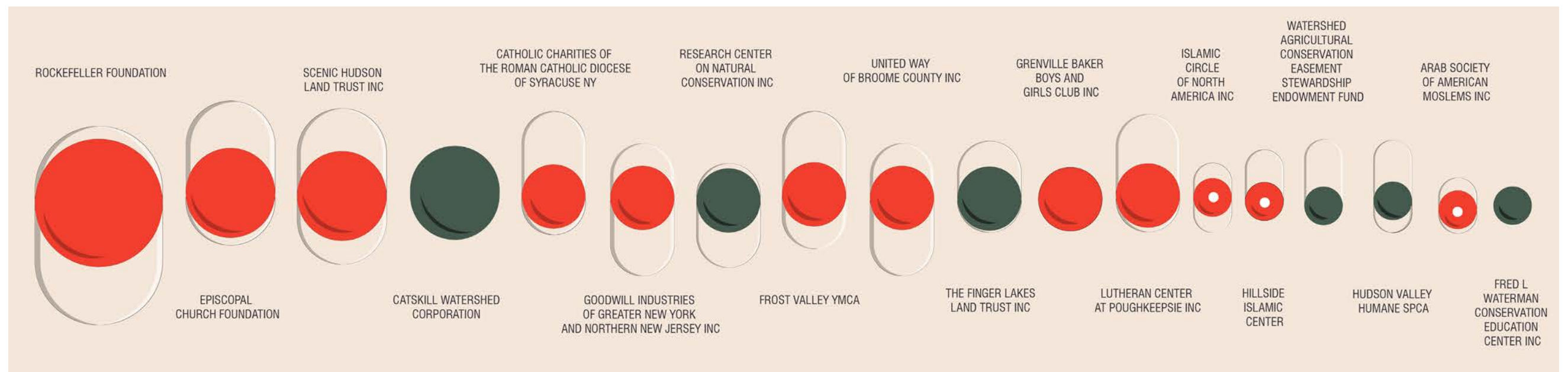
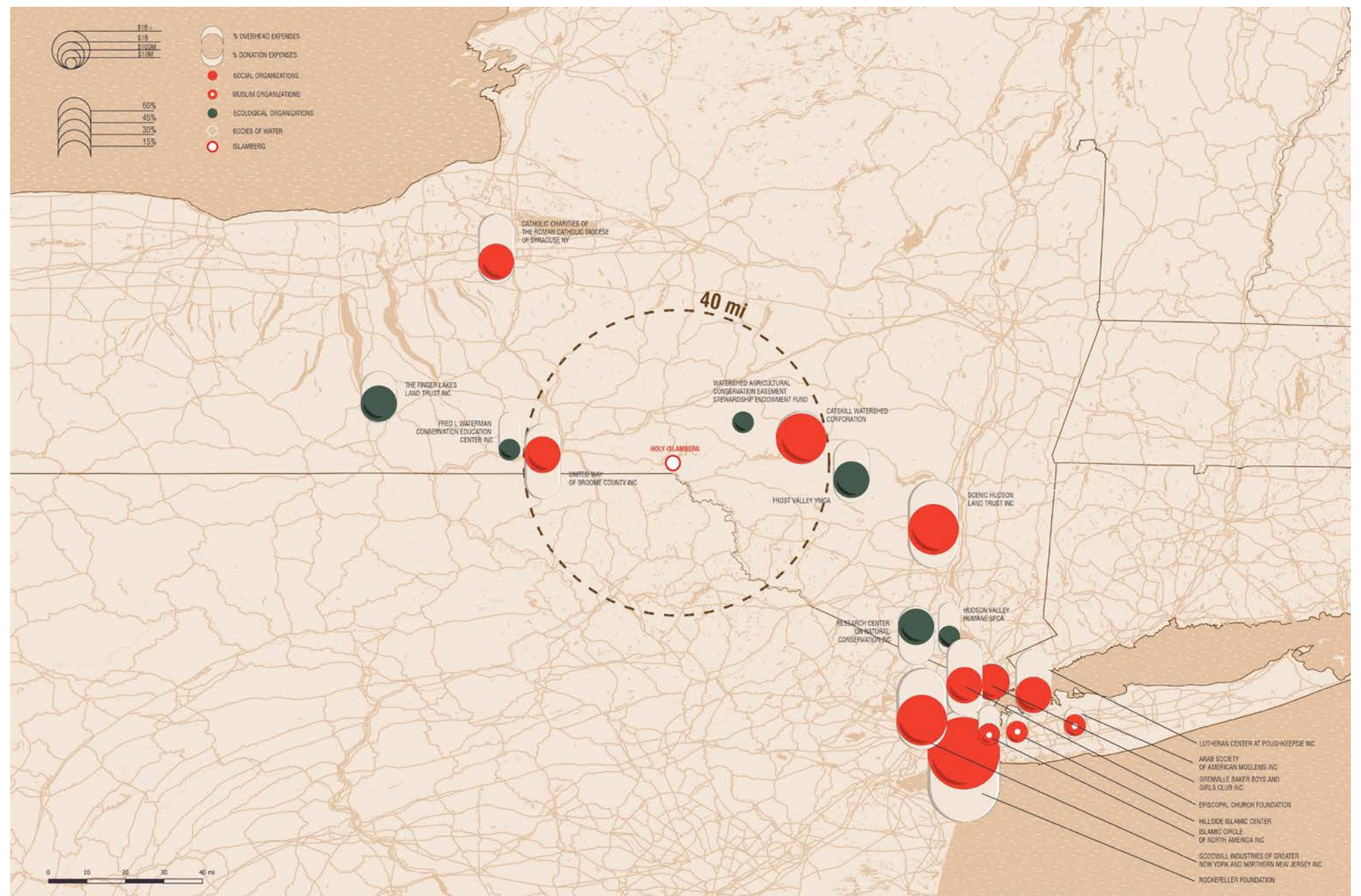


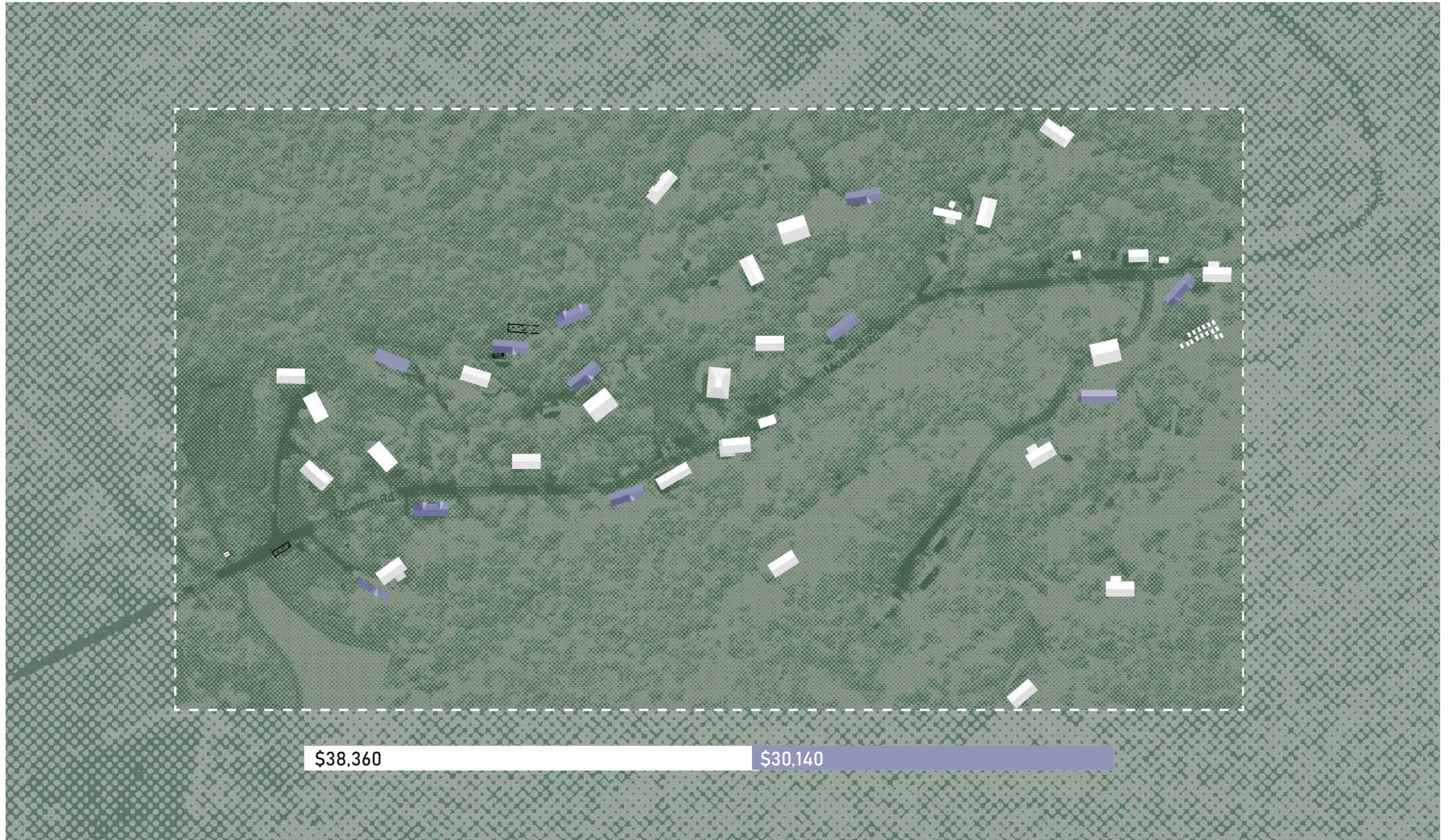
04 suffize

Holy Islamberg is a rural hamlet in Upstate New York. In 1982, a handful of Black American families who practiced Islam left the dangerous streets of Brooklyn to live in harmony with the land. The community has grown to over 250 residents, and is spread across 65 acres. On top of facing internal issues of densification, they also face many isolated domestic terrorism attempts from radicalized conservatist mobs. My project, Suffize, provides a new paradigm for increasing housing availability for new families that is predicated on material reuse, privacy, religious signifiers, and intergenerational living.

Advanced IV Studio
Ziad Jammaledine
Spring 2022









The Imposition of Main Street, USA on
the Holy Islamberg Community

04_SUFFIXE



ADVANCED IV STUDIO



OFFICER & NON-OFFICER SALARIES



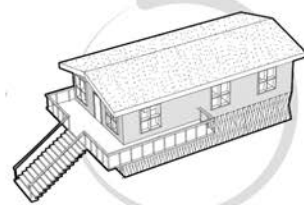
OCCUPANCY & FACILITIES



% OF ASSETS THAT COVER LAND, BUILDINGS, & EQUIPMENT



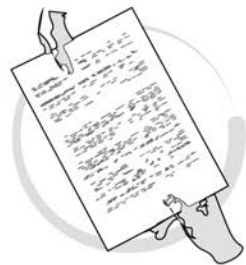
PERSONAL EXPENSES



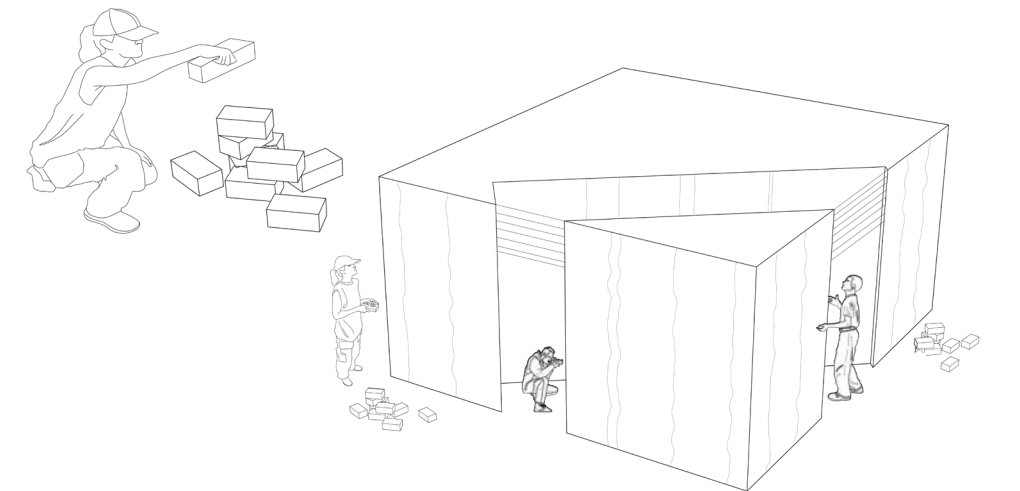
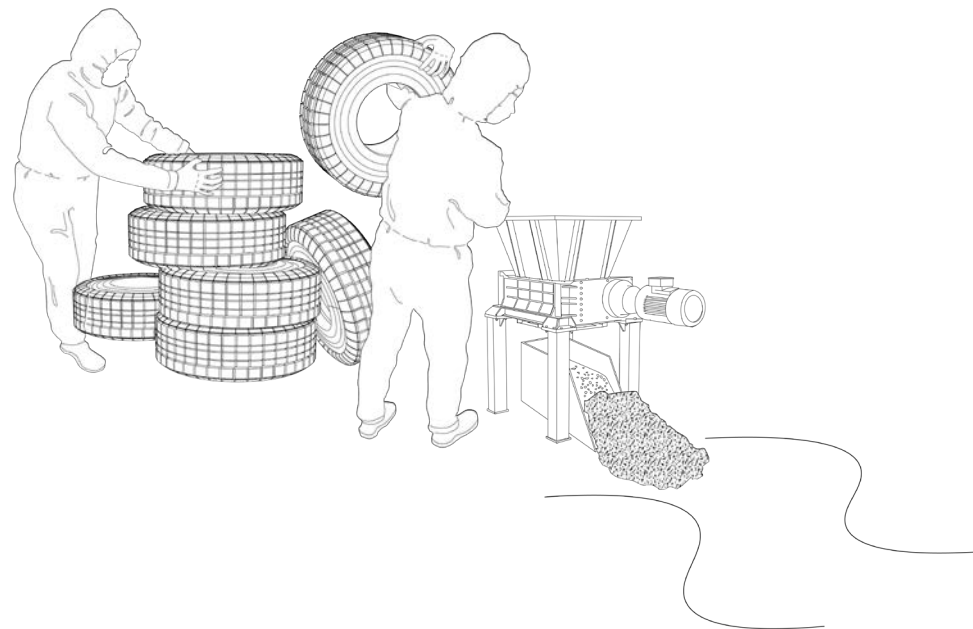
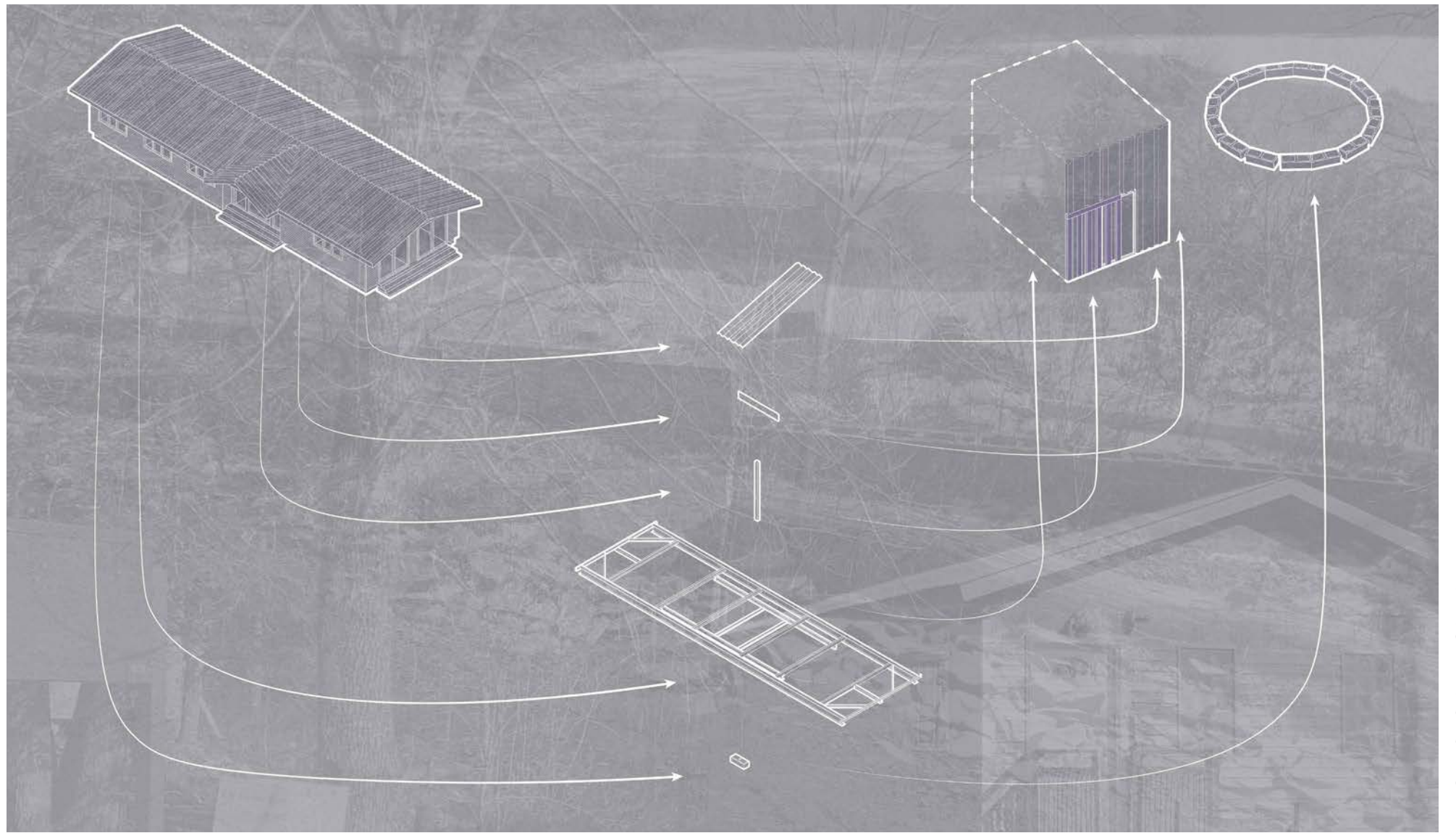
OCCUPIED PROPERTIES

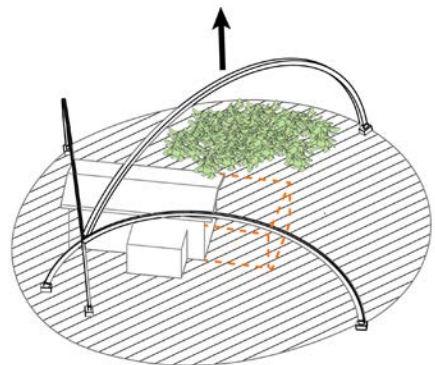
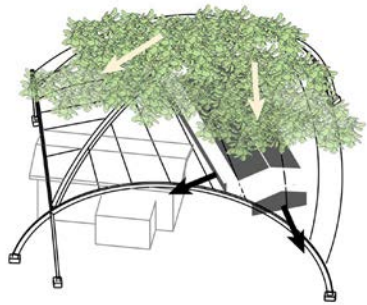
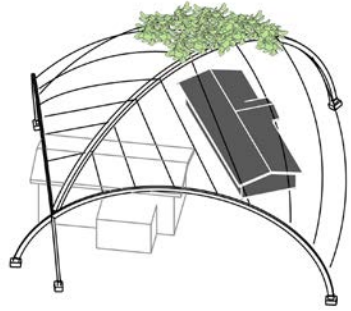
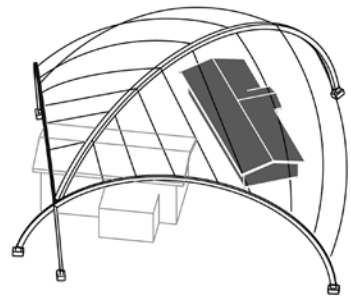


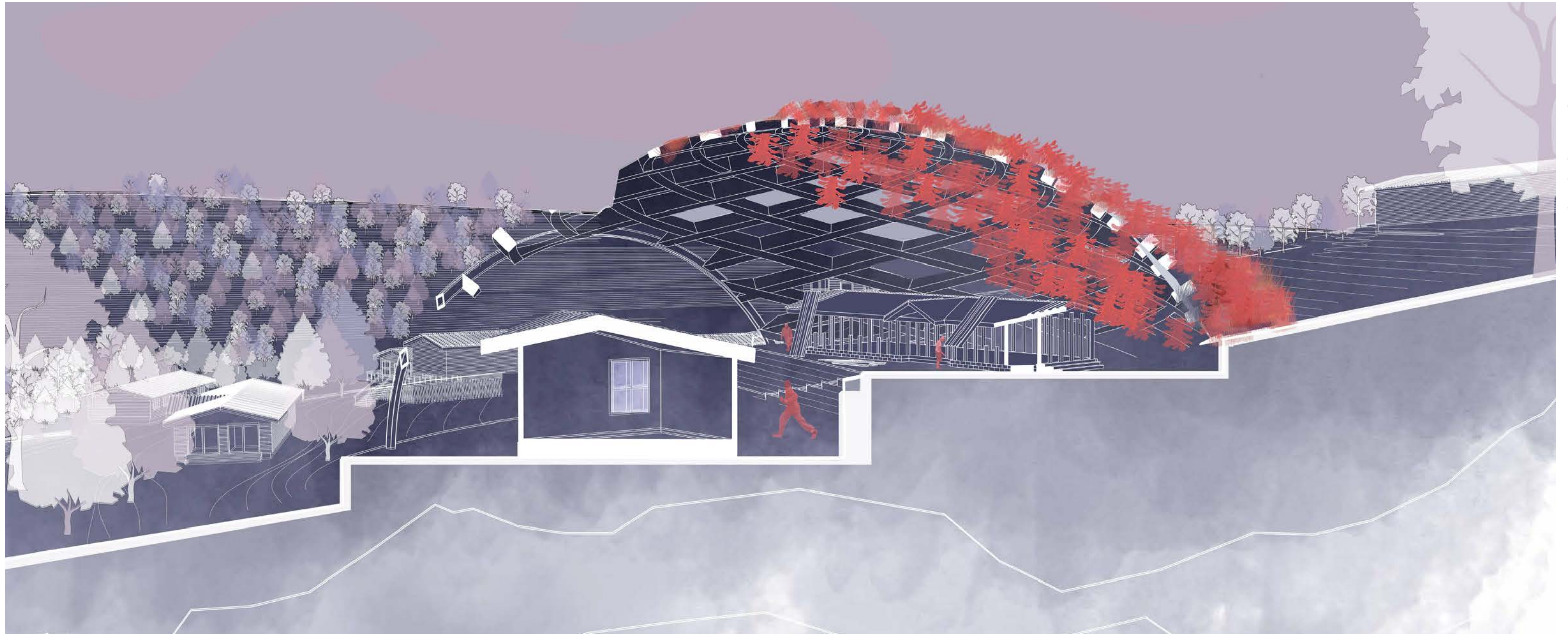
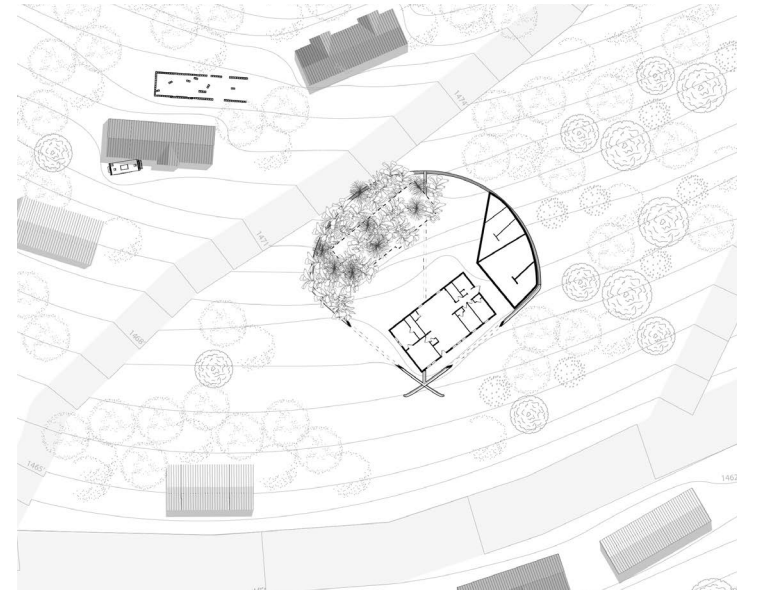
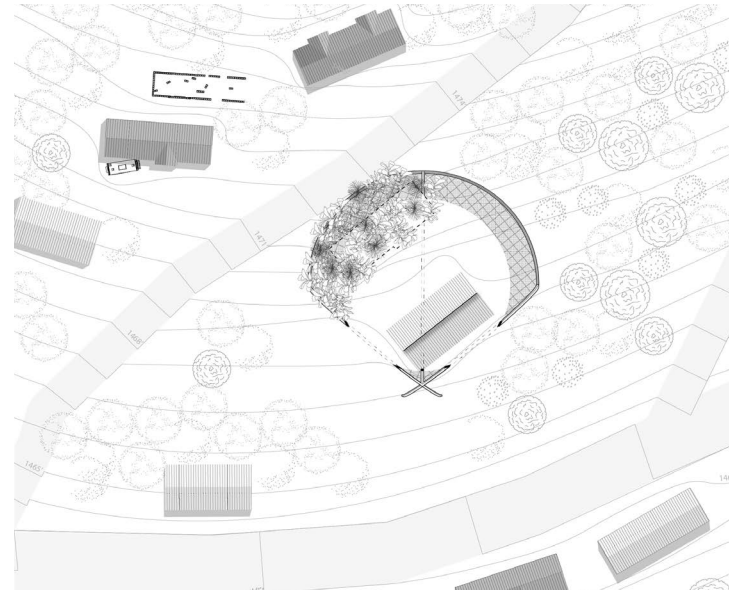
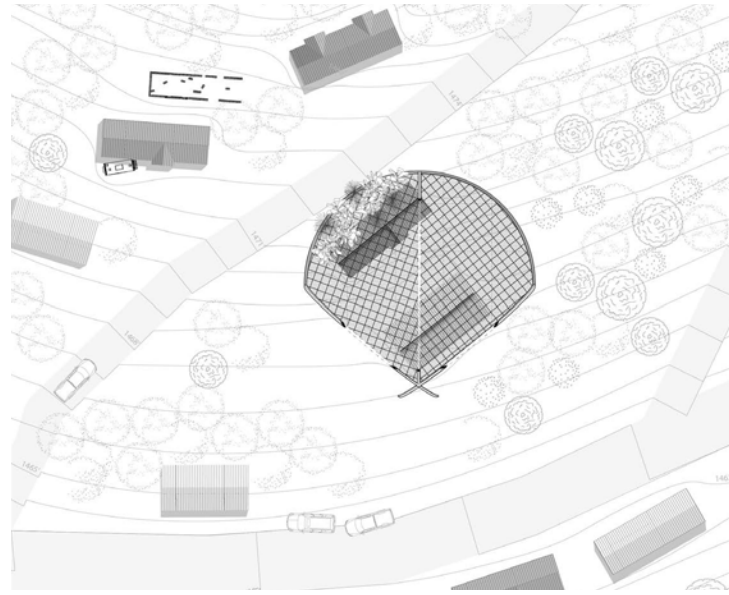
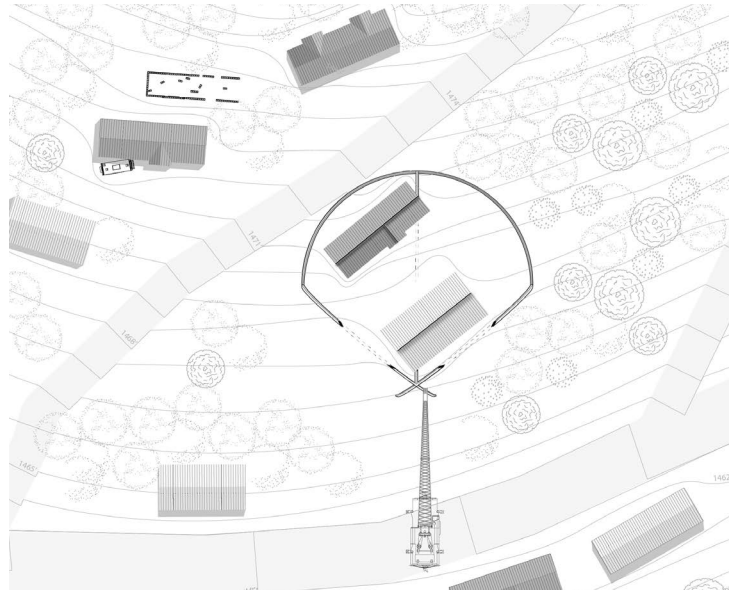
VACANT PROPERTIES (MOBILE HOMES)

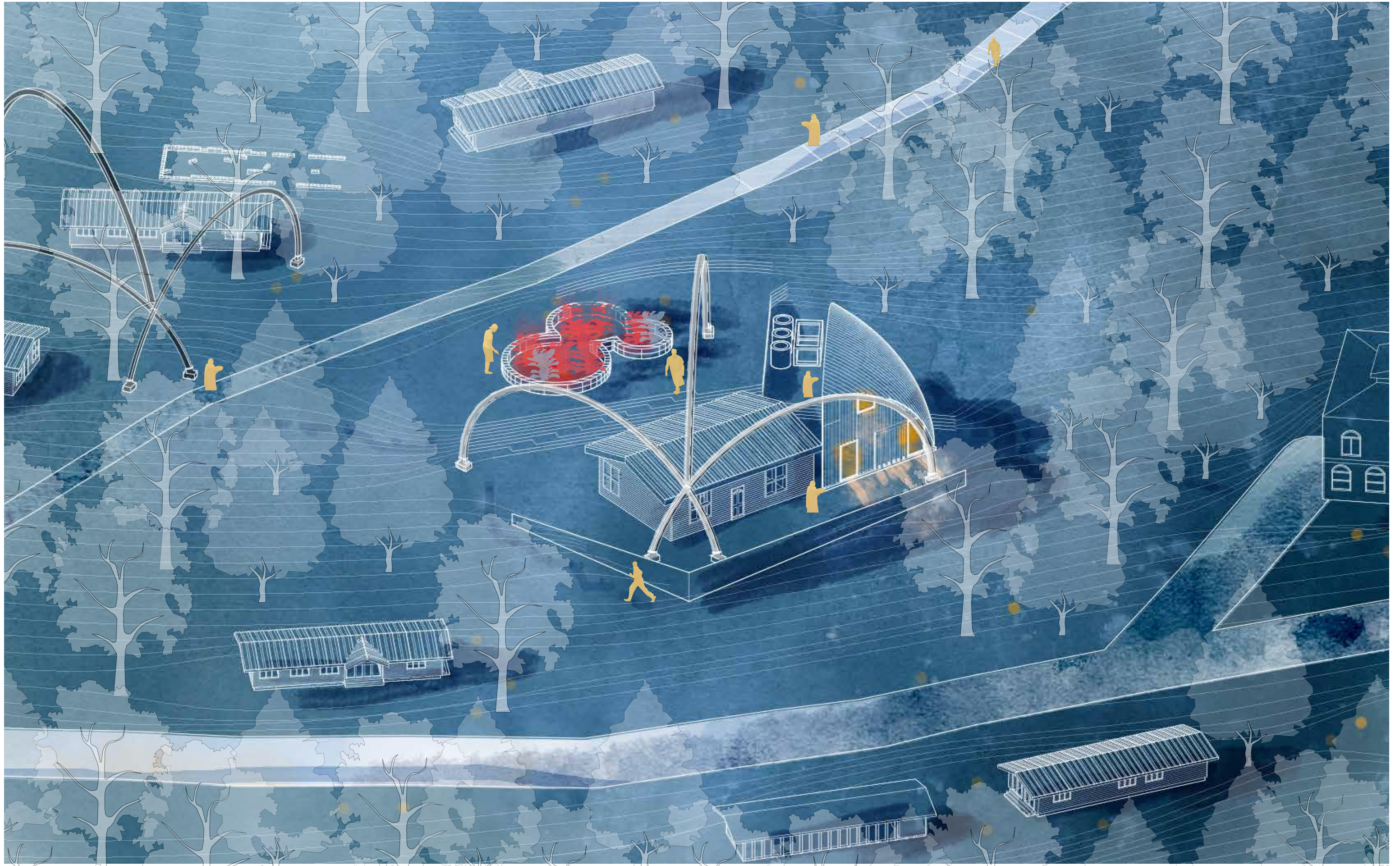


DEMOLITION PERMIT FEES





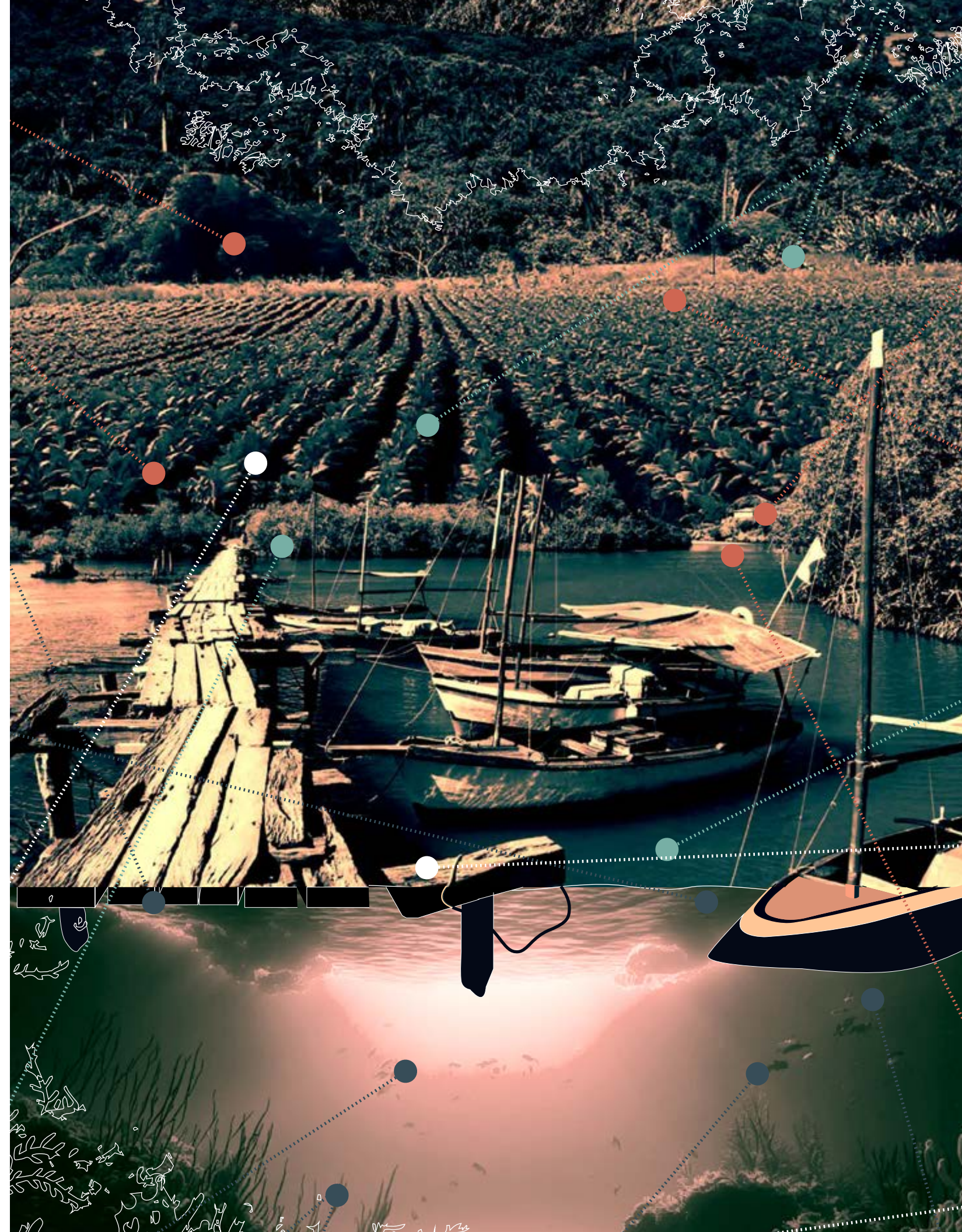




halophilic futures

The Florida Straits — named after only one of the 3 territories to touch this channel — is the interstitial boundary between the US, Cuba, and the Bahamas. At its narrowest point, Florida and Cuba reach towards each other, but are left with 93 miles of water in between. With sea level rising, that number is expected to grow, but is land-to-land distance enough of a consideration to measure the extent of this boundary? This project is an attempt to understand, interrogate, expose, and critically look at how the activities held within this water boundary establish a mirror between two vastly different political ideologies.

Advanced V Studio
Mireia Luzarraga & Alonso Ortega
Fall 2023



US-CUBA TIMELINE

1959 Fidel Castro Becomes President
Fidel Castro establishes a revolutionary socialist state in Cuba after he and a group of guerrilla fighters successfully revolt against President Fulgencio Batista.

1961 Bay of Pigs Invasion
President John F. Kennedy deploys a brigade of 1,400 CIA-sponsored Cuban exiles to overthrow Fidel Castro. The Cuban military defeats the force within three days.

1962 Trade Embargo and the Cuban Missile Crisis
Kennedy imposes a trade embargo in February. The "Umbrella" spy satellites discover Soviet-owned nuclear missile bases on the island.

1966 U.S. Opens Asylum Door
Castro indicates that Cubans can leave for the United States of their own free will. Lyndon B. Johnson opens doors. 270,000 Cubans left for the US since Castro's presidency.

1976 Cuba's Constitution Establishes Environment as a Human Right
Article 27 states "to assure the wellbeing of its citizens, the state and the society will protect nature."

1980 Mariel Boatlift
Mariel Harbor, over the next six months, becomes a migration port. As many as 125,000 Cubans take part in the boatlift.

1980 **REAGAN** **1982** **GEORGE H.W. BUSH** **1991** **BILL CLINTON** **1994** **1996** **2000** **2003** **2008** **2009** **2011**

US PRESIDENCY **DWIGHT D. EISENHOWER** **JOHN F. KENNEDY** **LBJ** **NIXON** **FORD** **CARTER** **RONALD REAGAN** **GEORGE W. BUSH** **BARACK OBAMA** **FIDEL CASTRO** **RAUL CASTRO** **DONALD TRUMP** **MIGUEL DIAZ-CANEL** **JOE BIDEN**

2014 Cuba Removed from Terrorism List
The U.S. State Department removes Cuba from its list of state sponsors of terrorism. The designation, first imposed in 1982, had prevented Cuba from accessing international finance and was a sticking point in U.S.-Cuba talks on normalizing relations.

2016 Fidel Castro Dies
Fidel Castro dies at the age of ninety. Hundreds of thousands of Cubans gather at Havana's Revolution Square to mark the first day of an official week of mourning.

2017 Trump Reinstates Restrictions
Donald Trump announces that he will reinstate restrictions on Americans traveling to Cuba and U.S. business dealings with a military-run conglomerate but will not break diplomatic relations.

2018 Raul Castro Steps Down
After 40 years of Castro regime, the National Assembly unanimously elects Miguel Diaz-Canel as president and Castro's hand-picked successor, as president of Cuba.

2019 Diaz-Canel Signs in New Constitution
A Cuban Communist Party task force drafted a new constitutional text that recognizes climate change as a threat and establishes a term limit on future elected Presidents.

2021 Bay Zero and Protests
Officials abolished the Cuban convertible peso as well as the 1 CUP/US\$ rate for state enterprises. Activists, led by Afro-Cubans take to the streets to protest, carrying food and medicine shortages.

2023 Bojoe de Cuba
Bojoe de Cuba, a collaborative nautical expedition led by Cuban and US educational institutions, completes 3,500 nautical miles of exploration of Cuban coasts.

USA
Grouper, snapper, and tuna is spawned in Cuban waters and caught in US waters

Wet Foot, Dry Foot
Remittances sent to Cubans total \$2.3B when unrestricted, which is over 100 times more than what the US spends in Foreign Development Aid, and comprising nearly 25% of Cuba's GDP

Exports
Cuba's cobalt mining accounts for 15% of global cobalt supply. Additionally, the largest sum total of exports going to US shores is art produced in Cuba, totaling close to a \$1.5B enterprise solely accounting for art sold to American bank account holder.

Imports
Top importers are Venezuela, China, Spain, Canada, Mexico, Brazil, the Netherlands, and surprisingly, the United States. Cuba has a bartering relationship with China, Brazil, and Venezuela, where they trade pharmaceuticals and healthcare workers for imports that fuel their oil and mineral economy.

San Isidro Movement
Motto needs to be changed from 'Somos Continuidad' to 'Estamos Conectado'

Nickel (and Cobalt) Plant, Moa, Holguin
50% owned by Sherritt of Canada
50% owned by General Nickel Company of Cuba

Coastal Resilience to Climate Change in Cuba through Ecosystem Based Adaptation (Mi COSTA)

USA Territorial Boundary
US Contiguous Boundary
US Exclusive Economic Zone
Bahamas Exclusive Economic Zone

Marine highway activity
Cuban Exclusive Economic Zone (EEZ)

Hurricane Irma (2017)
Hurricane Juan (2012)
Hurricane Ike (2008)
Hurricane Wilma (2005)

Distance between the edges of the Florida Keys and Cuba: 94 miles

explosion dumping grounds (discarded) contains countless unexploded munitions (1980)

Republic of Cuba
Pinar del Rio, Artemisa, Mayabeque, Matanzas, Villa Clara, Sancti Spiritus, Ciego de Ávila, Camagüey, Las Tunas, Holguin, Granma, Santiago de Cuba, Guantánamo, Bojoe de Cuba, Isla de la Juventud

Eduardo Boné
Dr. Patricia Gonzalez
Cupet
NOAA

1. 15 Priority Zones

2. Legal Norms

3. Beaches

4. Water

5. Forests

TAREA VIDA
"The State Plan to Confront Climate Change"
Established in 2017, Tarea Vida is Cuba's 100-year commitment to climate change adaption

6. Corals

7. Land-Use Planning Based on Science

8. Adaption and Mitigation

9. S and EW Monitoring

10. Perception and Culture

11. International Financing

THEATER OF OPERATIONS

Use the trade embargo as a blueprint for how draconian spaces we need to take against fuel and carbon emissions. Take an entirely sticks approach to climate adaptation.

Building a factory near Havana's landfill that can make new products out of municipal waste-- to be used to build new islands that are adaptable to storm surges.

Establish Cuba as a premier healthcare hub where members of Small Island Developing Nations (SIDS) come for the doctors, as opposed to doctors being emigrated from the island.

Design spaces along the Cuban EEZ that allow for Cuban and their Cuban-American families to meet and trade stories for money, without risking their citizenship.

Build a pathway through Florida Straits to Miami by using obsolete technology that no longer serves its purpose.

Create a marginalized index to provide opportunities for economic development in climate change adaptation to populations who don't typically receive remittance payments from relatives.

Create amphibious architecture in sustainable zones for fishermen communities that can tolerate hurricanes and supply fishermen with better yields.

Test fish as carrier organisms of the east and add microchip data to fish eggs about to hatch, to share about sea health, economic health, to regions across the Florida Straits.

Detonating one unexploded ordnance (UXO) in the middle of the ocean for every year that the embargo is still in place.

Performing soft detonation of the UXOs, with seed bombs that propagate necessary nutrients and minerals depending on deficiencies recorded that year.

Create monitoring technology that communicates with fish, in order to grant them direct personhood and for us to understand migratory patterns.

Establish a currency for oil potential -- money granted for keeping oil from being extracted and understanding the other benefits it adds to the ecosystem.

Add sensors to coral reefs to track which are doing well, and how nutrients can be administered.



Using hurricanes as city building opportunities. Residents scrambling can be placed strategically so that sediment from water surges are collected and continuously built upon.

Move to a salt pan agriculture system where shallow beds that act as fishponds -- are put in place to control erosion, promote passive desalination, and create a new sil economy for Cuban farmers in the off season.

Implement controlled, mini sediment deposition events that strengthen island communities so they're better able to withstand the onslaught of dangerous hurricanes.

Design plans for citizens to deposit anything they would want a hurricane to take away from their lives, growing reverence for the hurricane instead of fear.

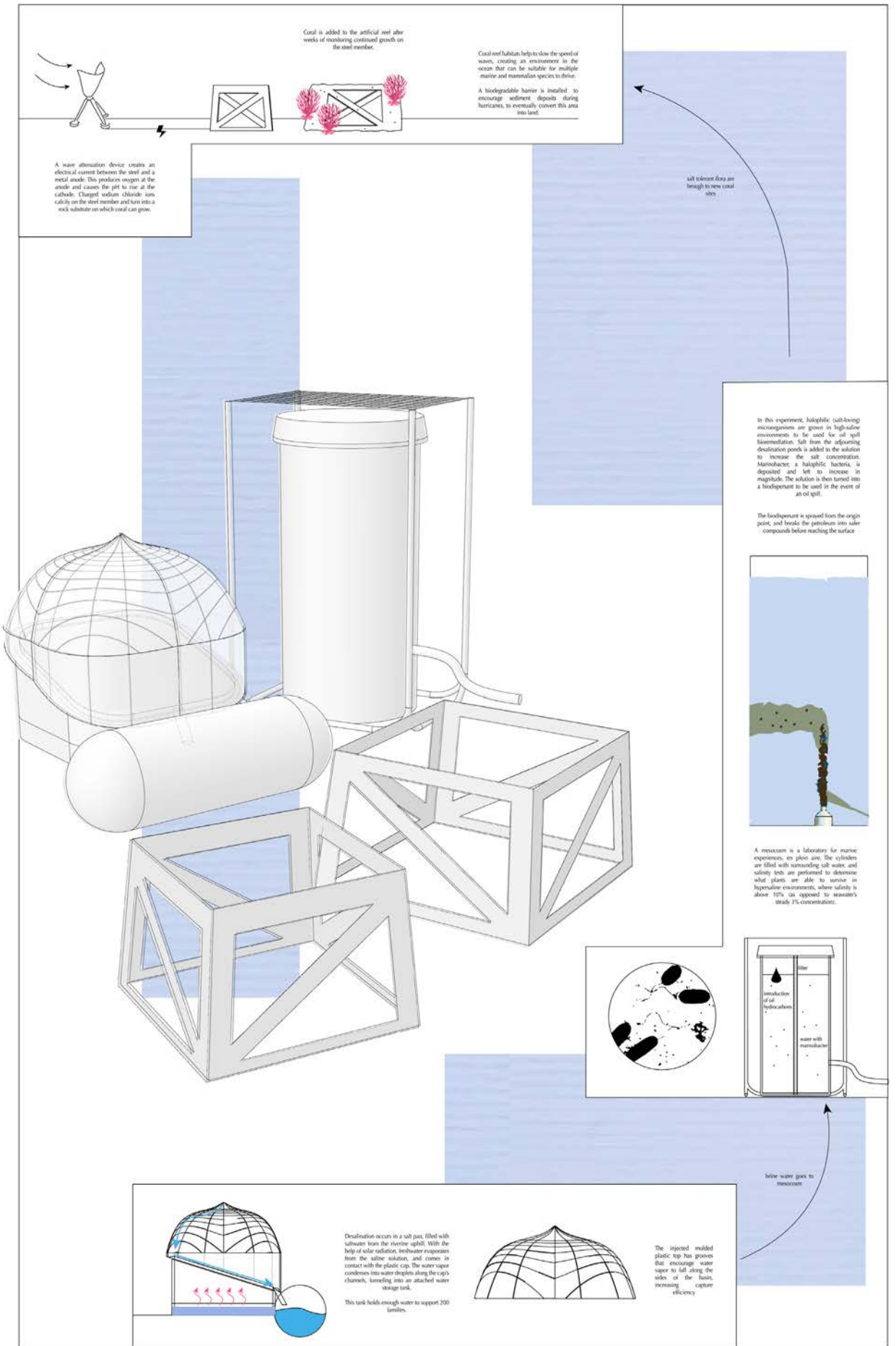
Reduce the amount of time Cuban fishermen spend on their livelihood by developing passive solutions for fishing that utilizing tides.

Just outside of Santa Fe, design small islands that can withstand hurricane seasons and that are the sizes of people's homes.

Rebirth the first and second stories of residential buildings to be able to operate well during flooding events, so that families don't have to temporarily evacuate.

Explore how to harness usable energy from bomb detonations -- often low quality and quickly approaching entropy. What use cases does the term of energy -- fuel -- will benefit the most?

Design the pathways of boats according to the site of migratory patterns and coral reef health; how can ships be and their journey's aid coral reef rebuilding?

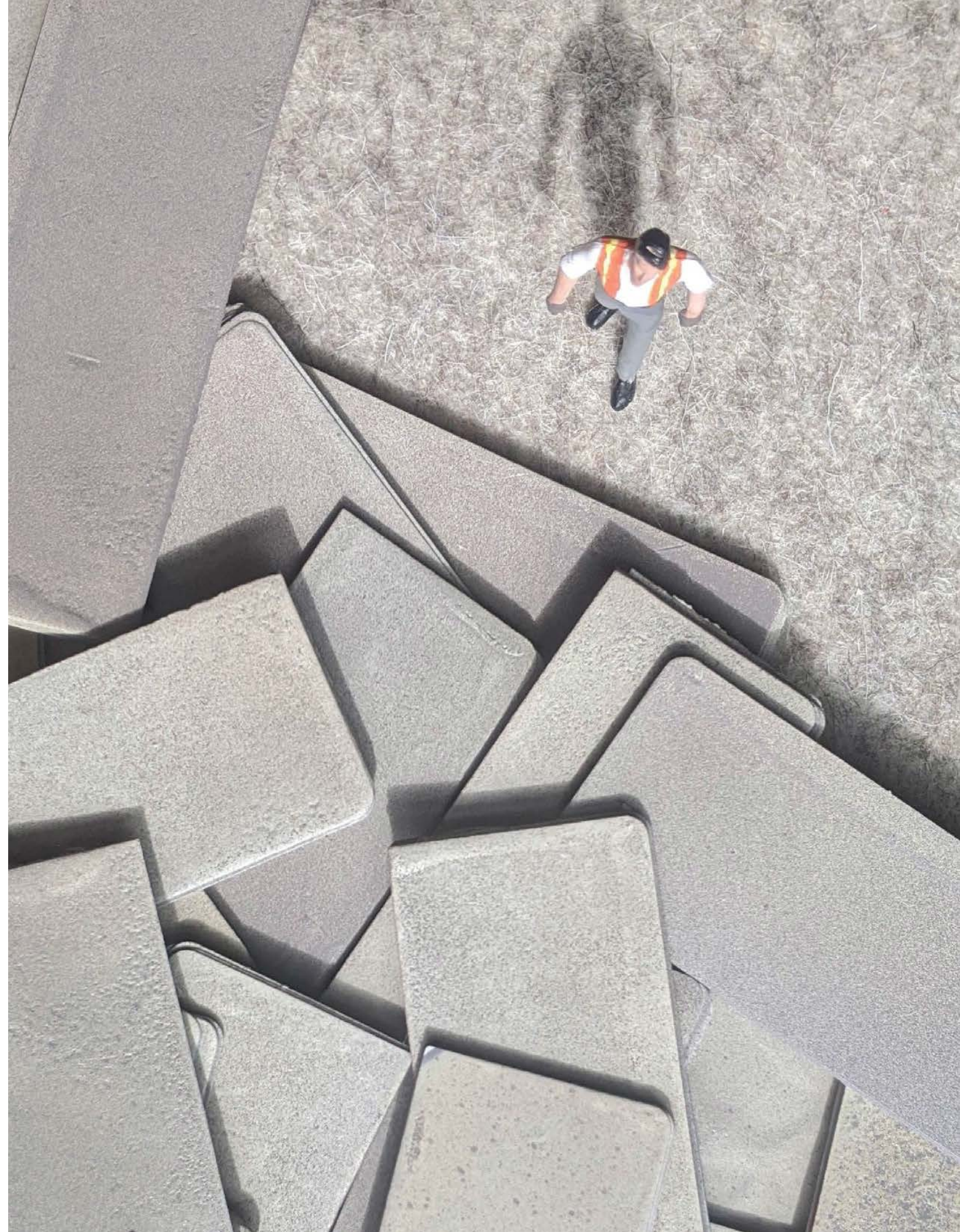


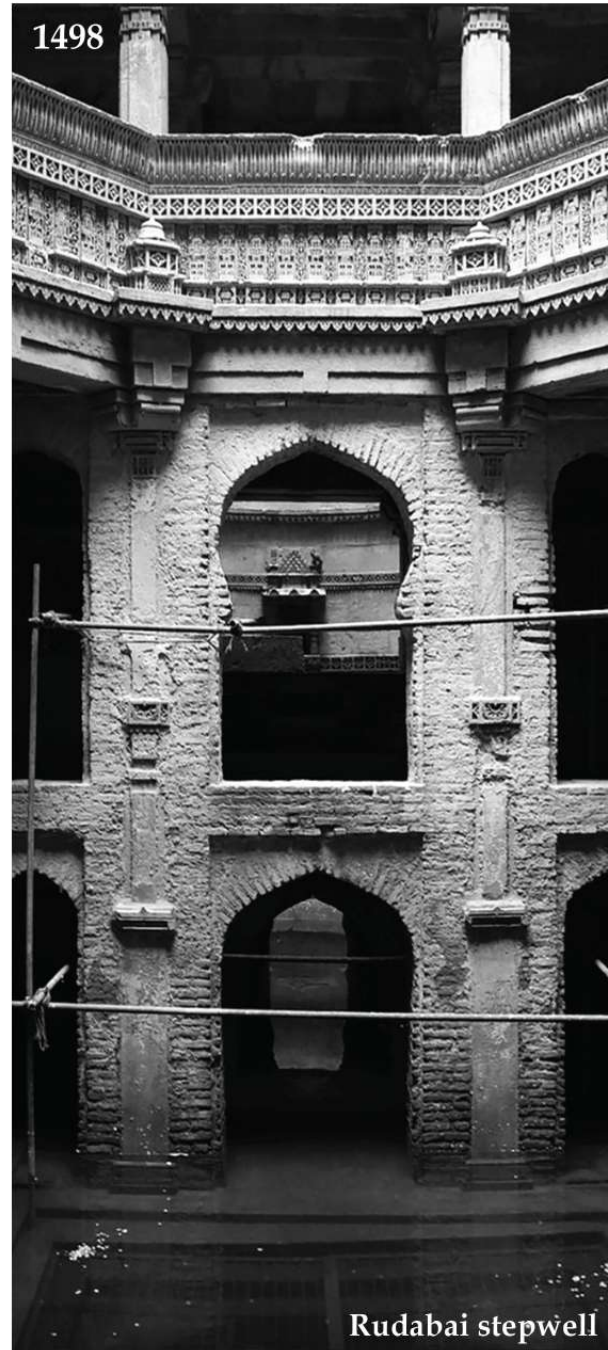


primordial tactility

The Ahmedabad Urban Development Authority (AUDA) has developed a TP scheme for the areas that surround Godhavi. In preparation for an expected population bloom, a 15-hectare site at the border of the village is zoned as a new approach to wastewater management. The site will facilitate the diverging of water and waste, to converge anew in the supply of living water. This occurs across three interwoven programs : stormwater treatment, a material warehouse and citizen lab, and publicly-accessible stepwells and kunds. Through domesticating waste and liberating water, this site holds a mirror to our contemporary practices and revives water from the dead.

Advanced VI Studio
Sonal Beri & Sandro Marpillero
Spring 2024
Midterm Partner: Abrar Saleem





WATER AS SACRED



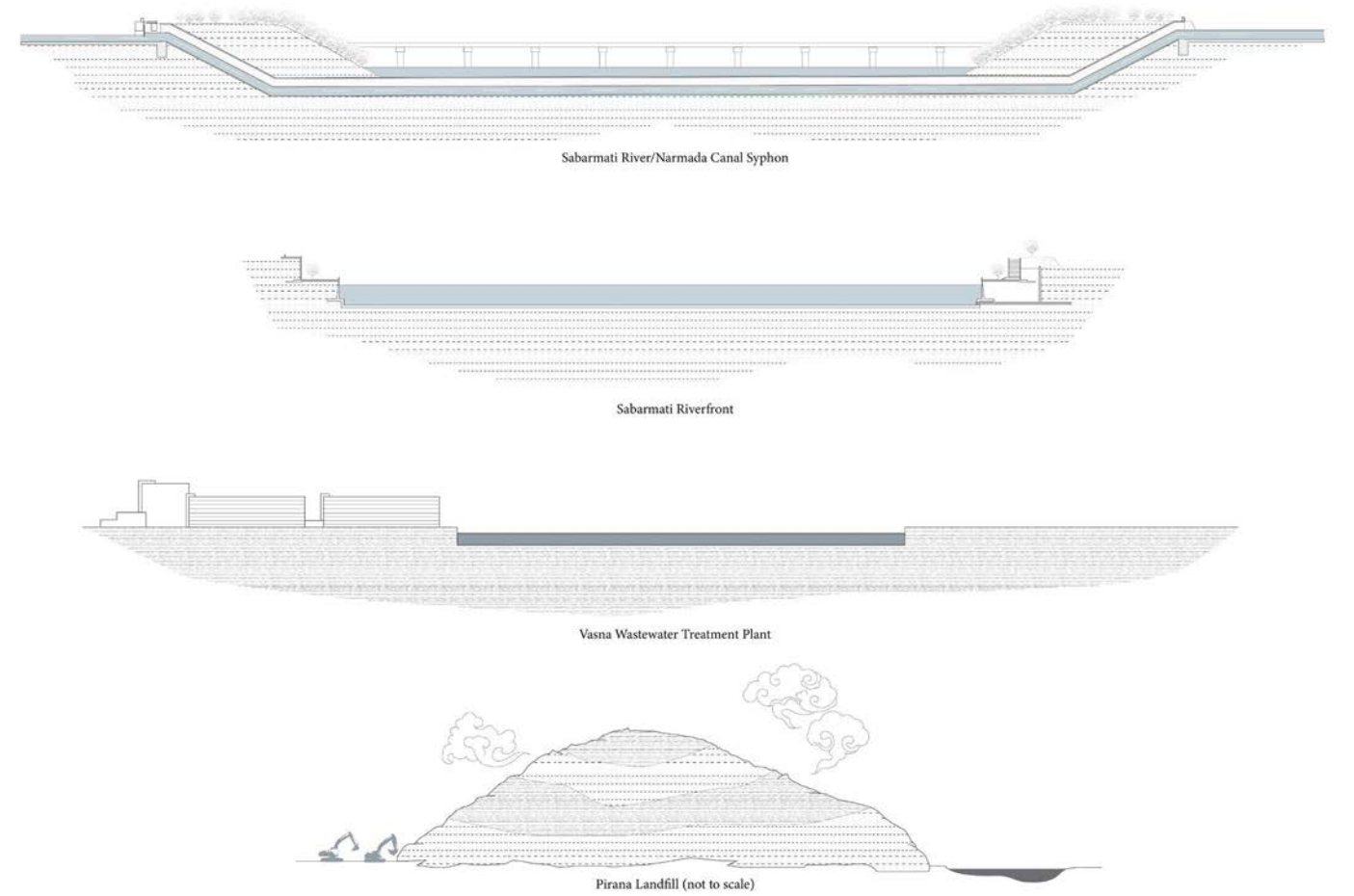
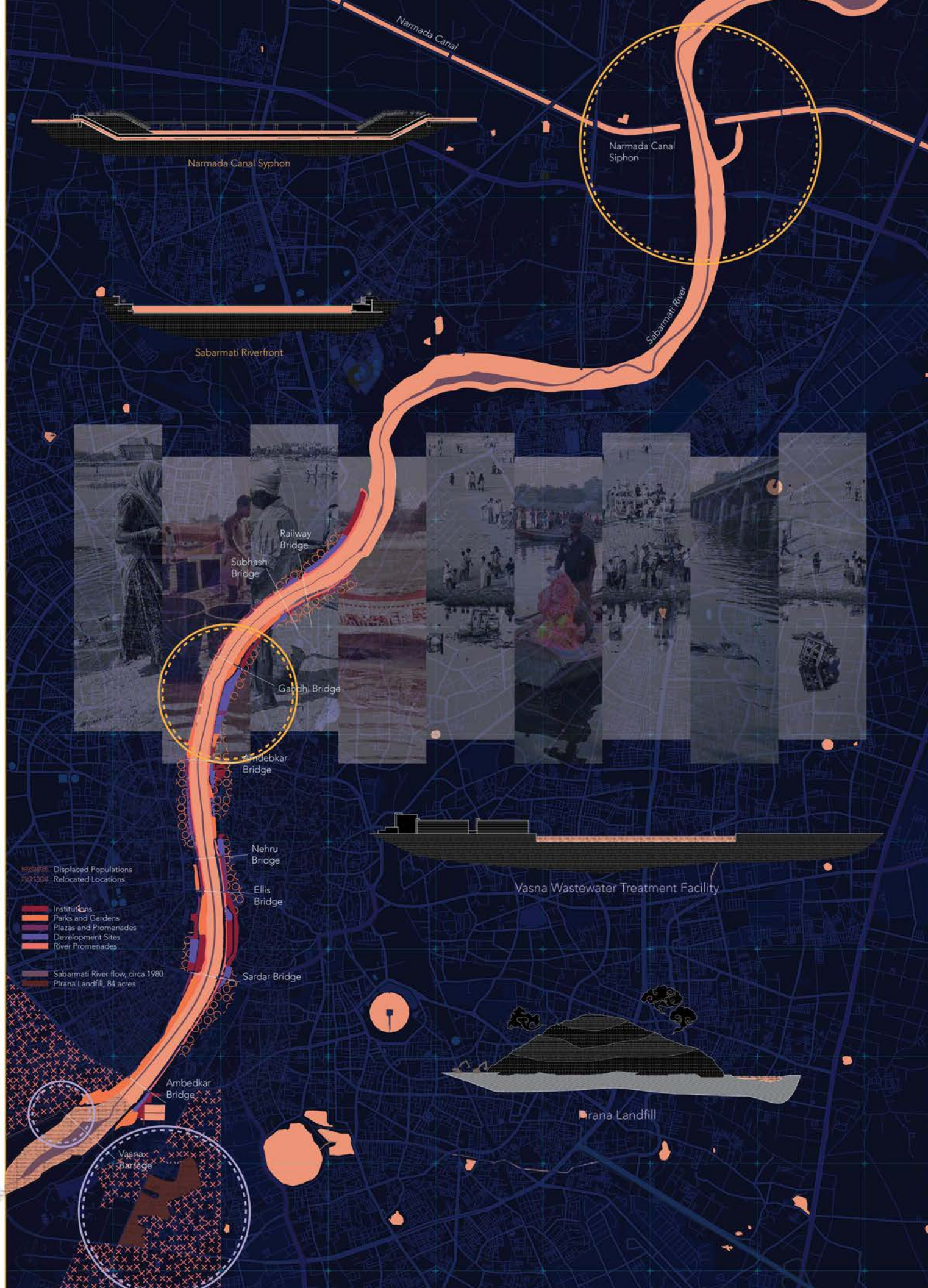
WATER AS LIFE



WATER AS COMMODITY



WATER AS WASTE





FROM DUST TO DUST

Water, the elixir of life, an infinite and mysterious resource in its ethereal form up in the sky. Its contact with earth is the place of both opportunity and conflict. This can be seen as the beginning of the end and the end of the beginning. The Sabarmati Riverfront Project patronaged by political actors has exemplified and polarized the binaries of secular nature vs religious tensions, purity vs pollution, development vs displacement and raises a crucial question: who owns water?

