A growing number of children in Ghana are victims of trafficking, and the situation is rapidly aggravating from widening income inequality and the HIV/AIDS crisis. Affected minors from affected families are left vulnerable to kidnapping and recruiting from criminal organizations preying on more than 200,000 minors living in the streets of Accra alone.

Building Hope aims to house and empower children by providing them with the necessary tools to thrive. The project includes the construction of a network of buildings that can house, feed, provide medical and psychological attention and skill training to 140 minors in the neighborhood of La. Facilities such as large kitchens, maker spaces, art studios, and an improved soccer field will be also accessible to the community seeking integration and a strong sense of belonging to the orphaned children with the locals. Giving minors the opportunity of being mentored and supported by locals willing to participate.
A MEMORIAL TO THE 2011 TUNISIAN REVOLUTION

Avenue Habib Bourguiba can be read as a scripted infrastructure for a display of power both historically and in the present political framework. Paved over layers of ecological history, civilian agents interrupt and re-script the image of the avenue through political demonstration, challenging the curated notion of the streetscape. Anchoring the thoroughfare, the ministry of the interior operates as a controlling force that currently demands protection from, and jurisdiction over the avenue below. The urban planter is deployed through a gradient of architectural scales, not ignoring the political reality of the streetscape, but shifting the benefit of an urban security gesture to serve the local population and protect the avenue for the civilian. The presence of police power is challenged, rejected, and gradually overtaken by the forgotten layers of ecological history.
A Memorial to the 2011 Tunisian Revolution

Fall 2022

Donor and administrator (operator)

Assets (financial support)

Object or property

Beneficiaries

Benefits

The urban planter - an object of security in the hyper-policed 21st century Tunis

For consideration: The sidewalks adjacent to the median of Rue Jamel Abdenasser and Avenue Habib Bourguiba to the Avenue Habib Bourguiba clocktower on Pl. du 14 janvier 2011.

For specification: The sectional area of the median. Does the unbuilt property extents and adjacent sidewalk and street utility lines below?

in front of the ministry of the interior that is currently

T

A:

The city budget for economic development - investing the the local fabrication and distribution of a new catalog of urban planters

The maintenance budget for landscaping along the avenue, the current supply of labor for maintenance to the avenue can be coupled into the partnership on maintenance shifts.

Can we shift away from scripting the enclosed image of the city and into an avenue maintenance plan that opposes the ecology of the site, and emulates the surface and subterranean layers for flourishing bees and the bees experience?

B:

Cultural activities along the avenue that are currently

- The bookstore
- The municipal theater
- The cathedral

The ecology

The human in the form of the demonstrator, the political participant, the body subject to political violence.

Physical breaking of the ground to re-scape. Programmatic remediation ecologically. Pollution, habitats, vegetation, water retention.

A rescripted landscape within the median

Remevaluation ecologically. Pollution, habitats, vegetation, water retention.

Re-scape to host vegetation. Uprooted, exposed, re-claimed by the ecological diversity of the region.

For consideration: The sidewalks adjacent to the median

For specification: The sectional area of the median. Does the unbuilt property extents and adjacent sidewalk and street utility lines below?

A deployment of urban planters, crafted to alrady weather and decay, giving way to new fertile ground to host an expanding fabric of vegetation.

A deployment of occupiable infrastructure, bunkers, tunnels, excavations to host a variety of public programs and resources. As expansion of the bookstore into a historical archive, an amphitheater for public demonstration, nodes for legal assistance, public forum, and political demonstration.

6:

J: URBAN PLANTERS: The immediate creation of a new industry of planter recycling, retro-fitting, and re fabrication using recycled material and excavated clay, silt, and soil to form a new inventory of earth planters intended to be stacked and distributed along the avenue.

Breaking the avenue hardscape with structures and embedded in a preserved archive of how the police power has impacted space since 2011, a memorial to the efforts of the revolution.

Breaking - objects of oppression are sunken beneath the avenue surface, decontextualized from intended power structures and extended in a permanent location of the ministry of the interior, each instance referencing layers of political history and activity in the area.

J: Reprogram - within the modern canvas along the avenue, subterranean infrastructure is exposed. The underground nodes allow the user to peer into the hidden subterranean world. Including utility lines, tree roots, Tunnels between the cathedral and the french embassy. Can the hidden public programs of the avenue be taken out from the ministerial barricade around the street, reprogramming the public program along the avenue that challenge the oppressive political landscape to expand beyond the facade of the avenue into the median.

Burying - The reconfiguration of planters fabricated from the recycled aggregate of mauing planters provides new public program along the avenue

Cat habitats

Archives

URBAN PLANTERS: The immediate creation of a new industry of planter recycling, retro-fitting, and re fabrication using recycled material and excavated clay, silt, and soil to form a new inventory of earth planters intended to be stacked and distributed along the avenue.

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A Memorial to the 2011 Tunisian Revolution

Fall 2022
A Memorial to the 2011 Tunisian Revolution
The design operates by removing the center bar of the H plan and reconfiguring the circulation of the school as a procession, with critical transparency between spaces that facilitate illumination and interaction. The central circulation becomes an anchor point for a new arrangement of classrooms that are heavily informed by sun exposure and dynamic moments of adjacency within the classroom scheme. In order to reduce embodied energy from the interventions on the building, most floor plates are to be preserved, and those that need to be relocated reuse existing materials.
Aiming to provide a response to the housing crisis in New York City, we created a housing proposal for a site rich in culture, aiming to preserve cultural values and improve living conditions. Our proposal is rooted in vignettes of community observed in the South Bronx. Both the historical manifestation of gathering in the area, and a current understanding of community life in the South Bronx. We are proposing a scheme that aims to facilitate moments for these vignettes to occur, horizontally as you traverse the city block, and extending vertically into the private spaces of the unit, blurring a gradient of public space throughout the city block.
Poughkeepsie, New York, has been severely affected by the opioid crisis and political decisions that have only aggravated segregation and worsened the quality of life for residents.

Poughkeepsie is home to large medical institutions and a large county jail facility which is currently being expanded at a cost of over $200 just blocks away from our site.

Seeking to provide alternative healing options to addiction recovery that do not involve prescription drug dependency and/or incarceration, we looked into different meditation techniques and the importance of nature in a person’s well-being.

Our response was to design a healing center with both in-patient and out-patient services based on the CCHB guidelines, which include medical care but also spaces flooded with natural light and a direct connection to nature. The topography allowed us to divide the building into different portions, allowing for different monuments of interactions between the building and the preserved nature existing on the site.

Our healing center is meant to provide inpatients with means of interaction with the community in the form of arts, food, and events hosted on-site that could provide additional help with recovery.
DO WE NEED MORE LAND?

Despite being already the number one owner of property in New York City, Columbia University has had an accidented relationship with neighboring Harlem and Manhattanville as the university seeks to continue expanding property ownership in the area. The city applying eminent domain at times in support of the expansion have further exacerbated the tensions with the community.

Do we need more land? Maps out property owned by the university in Manhattan, using Broadway as a reference. Then it zooms in to focus on the area covered by the Morningside Heights Campus and maps all unused Air rights and discovers more than 350,000 SF of unused area that could be used by the university to expand their built area if needed vertically, without taking over more neighboring land.

After considering expanding vertically, the project also looks into expanding underground, seeking to take advantage of empty storefronts along Broadway. The already struggling commercial rentals along Broadway have only worsened during the pandemic as 320,000 New Yorkers left the city in 2020 alone. Empty storefronts have caused a deactivation of the sidewalk along many segments of the avenue and this project seeks to provide a solution to turn those unused spaces into services to the community. It intends to activate the sidewalk by providing community spaces and participatory engagement at different levels to ensure inclusivity.
TESSELLATION

Fall 2022
Instructed by Joshua Jordan
Collaboration with Zina Berrada
COMMERCIAL FACADE ASSEMBLY

Spring 2022
Instructed by Nicole Dosso
Collaboration with Nara Radinal, Ruisheng Yang and Zina Berrada
FIN INSTALLATION

Window washing track
Male vertical mullion
Female vertical mullion
Stainless steel panel
Water seal

SMOKE SEAL AND FIRE PROTECTION

Fire stop
Steel fireproofing
Concrete finish

Rebar
Unistud
Pourstop

SLAB
Concrete deck
Anchor plate

CW DEAD LOAD ATTACHMENT
Insulation
Frit
CW anchor
Backpan
Crane attachment point

CW WIND LOAD ATTACHMENT
Silicone boot
Silicone sponge block
Structural silicone
Backed rod and sealant
Gasket

CURTAIN WALL EXPLODED
Desiccant
Structural silicone
Backed rod and sealant
Gasket
IGU

Commercial Facade Assembly
Spring 2022
Commercial Facade Assembly
Spring 2022

[Images of detailed facade assembly models]
POWER TOOLS

Spring 2022
Brooklyn, NY
Instructed by Lexi Tsien and Jelisa Blumberg
Collaboration with Maclane Regan and Angela Keele
COLLABORATORS

Lindy Roy
Karla Rothstein
Galia Solomonoff
Bryony Roberts
Zia Jamaleddine
Gary Bates
Josh Jordan

Maclane Regan
Michael Lau
Zina Berrada
Nara Radinal
Rusheng Yang
Angela Keele
Rebecca Faris
Daniel Chang
Jonghoon Park
Yifei Yuan
Alex He