## PORTFOLIO

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BETWEEN THE ANIMATE AND THE INANIMATE

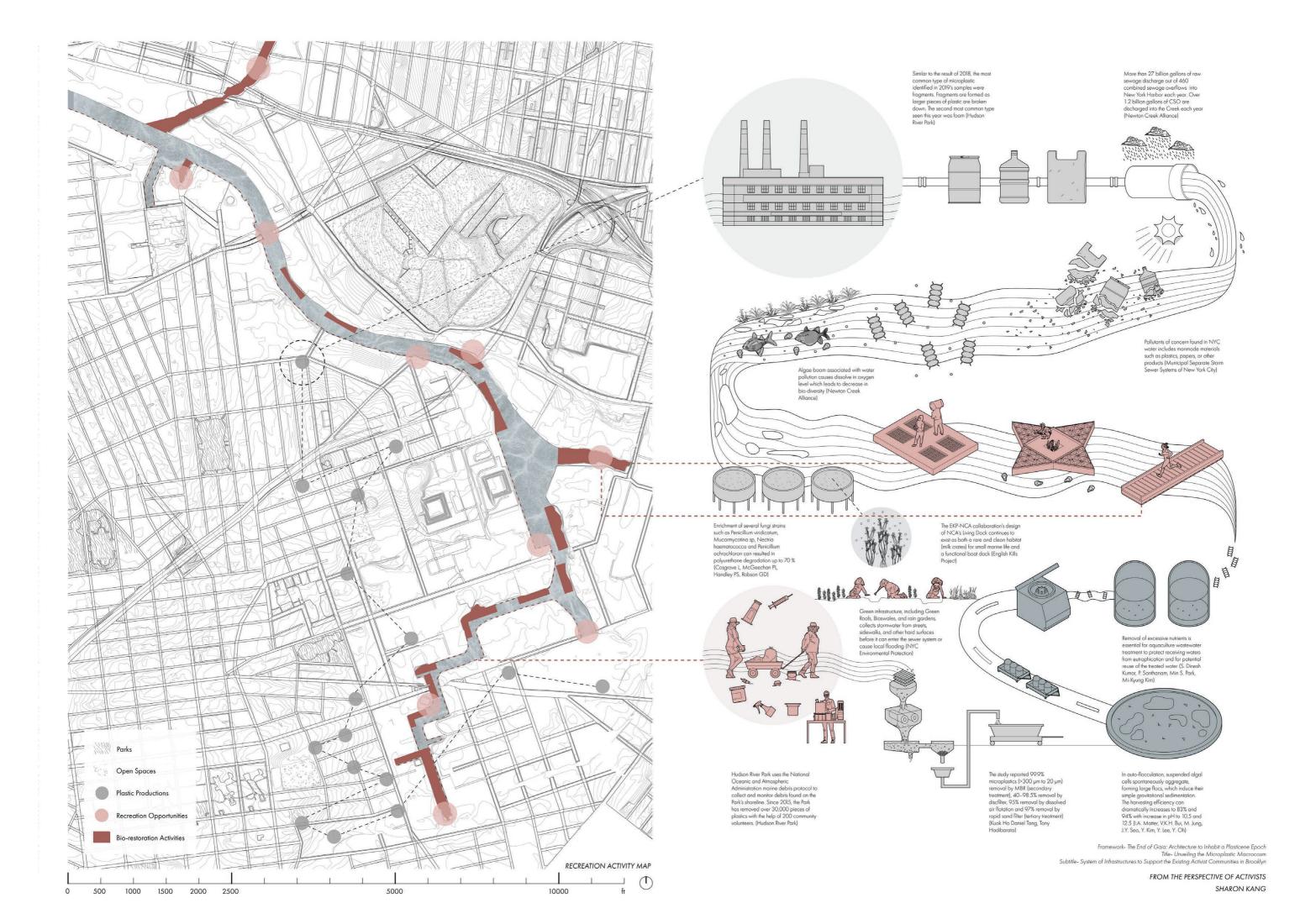


Summer 2023 | East Williamsburg, Brooklyn, NY Instructor: Uriel Fogué Advanced Arch Design Studio

Instead of proposing a new recyclable plastic industry that replaces the original plastic supply chain, the project aims to provide a series of logistical infrastructures to support the collectives that are already operating in New York City, targeting the existing plastic and microplastic pollution problem. The project looks explicitly at East Williamsburg where the plastic production industries are concentrated and the highest level of sewage overflow is happening. As plastic recycling attempts in the US have fallen short, the project aims to redesign our relationships with plastics through a time-based network adaptation. A series of micro-scale interventions, which are adapted from larger-scale microplastic treatment technologies, will be introduced at a community level intervening at every microplastic to water entry point. By maximizing the growth of microorganisms and increasing contact points between microorganisms and microplastic, the microplastic bio-degradation process can be accelerated and a cleaner and safer community can be foreseeable.

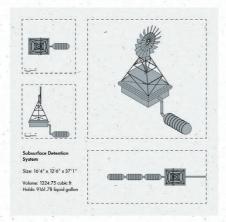
# UNVEILING THE MICROPLASTIC MACROCOSM

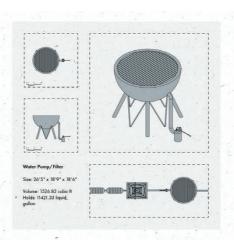
INHABITING A PLASTICENE EPOCH

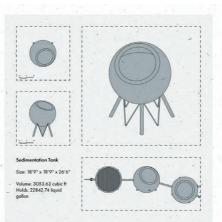


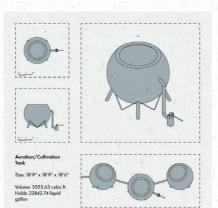


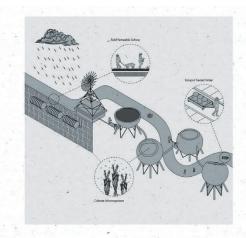
MICRO FUNGI CULTIVATION FOR SEWAGE OVERFLOW



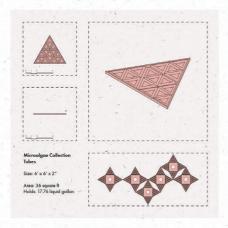


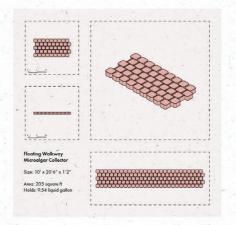


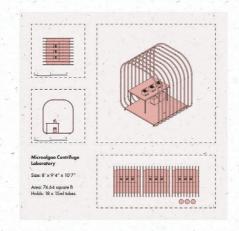


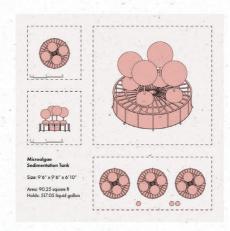


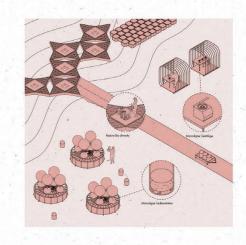
MICROALGAE
COLLECTION FOR
BIO-REMEDIATION
ACTIVISTS SUPPORT



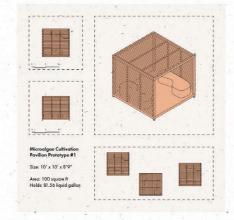




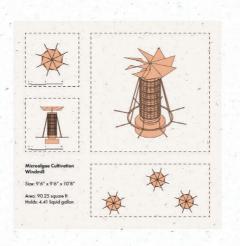


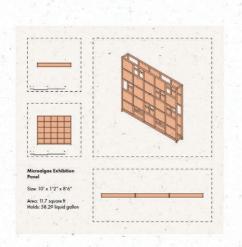


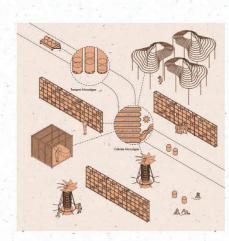
MICROALGAE
CULTIVATION FOR
COMMUNITY
ENGAGEMENT



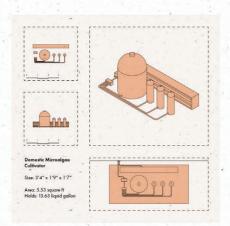


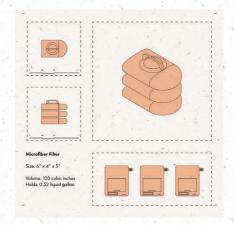


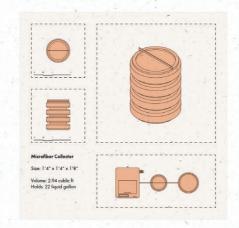


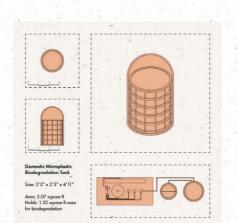


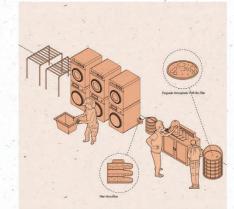
MICROALGAE CULTIVATION FOR DOMESTIC/PUBLIC LAUNDRY



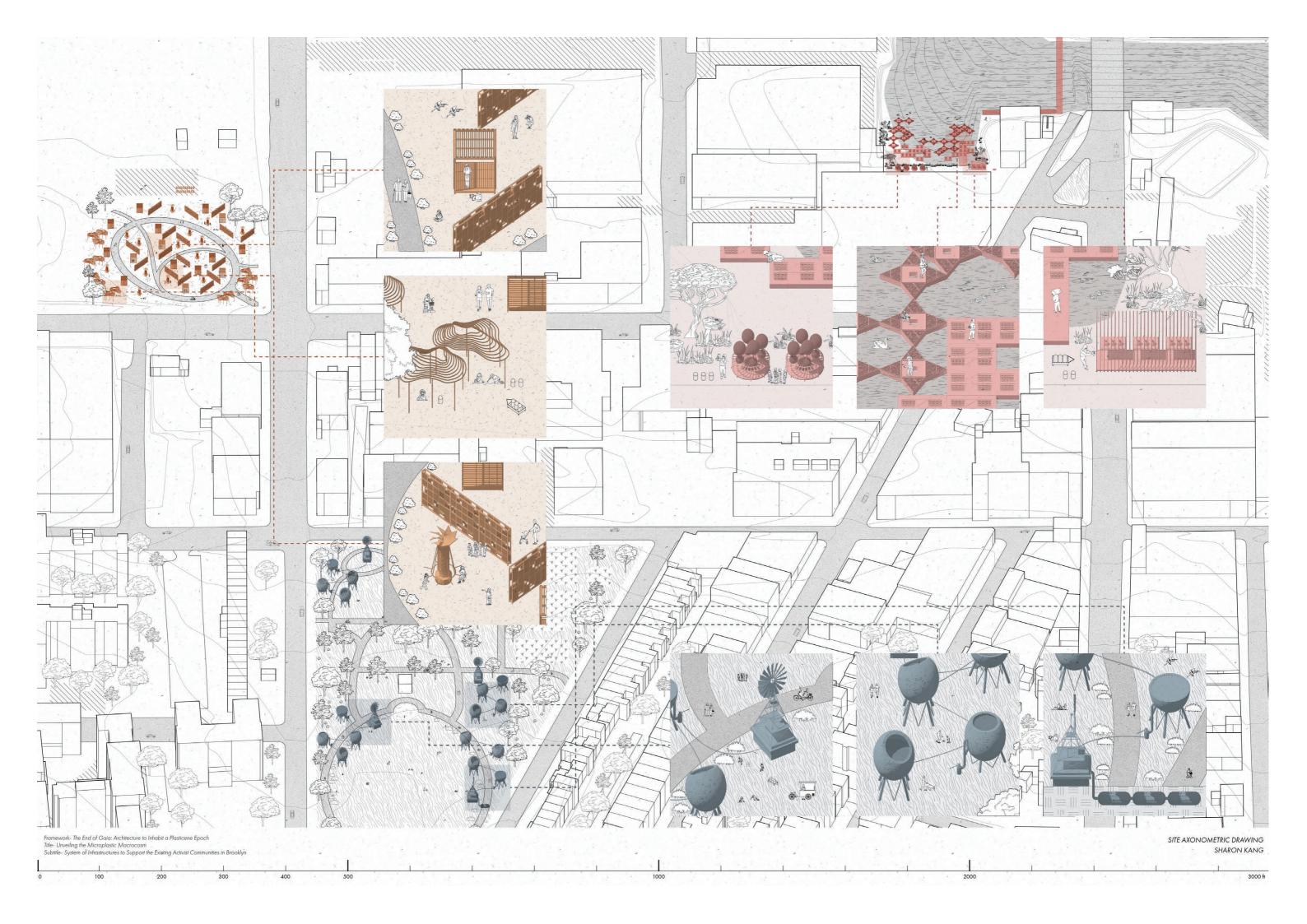


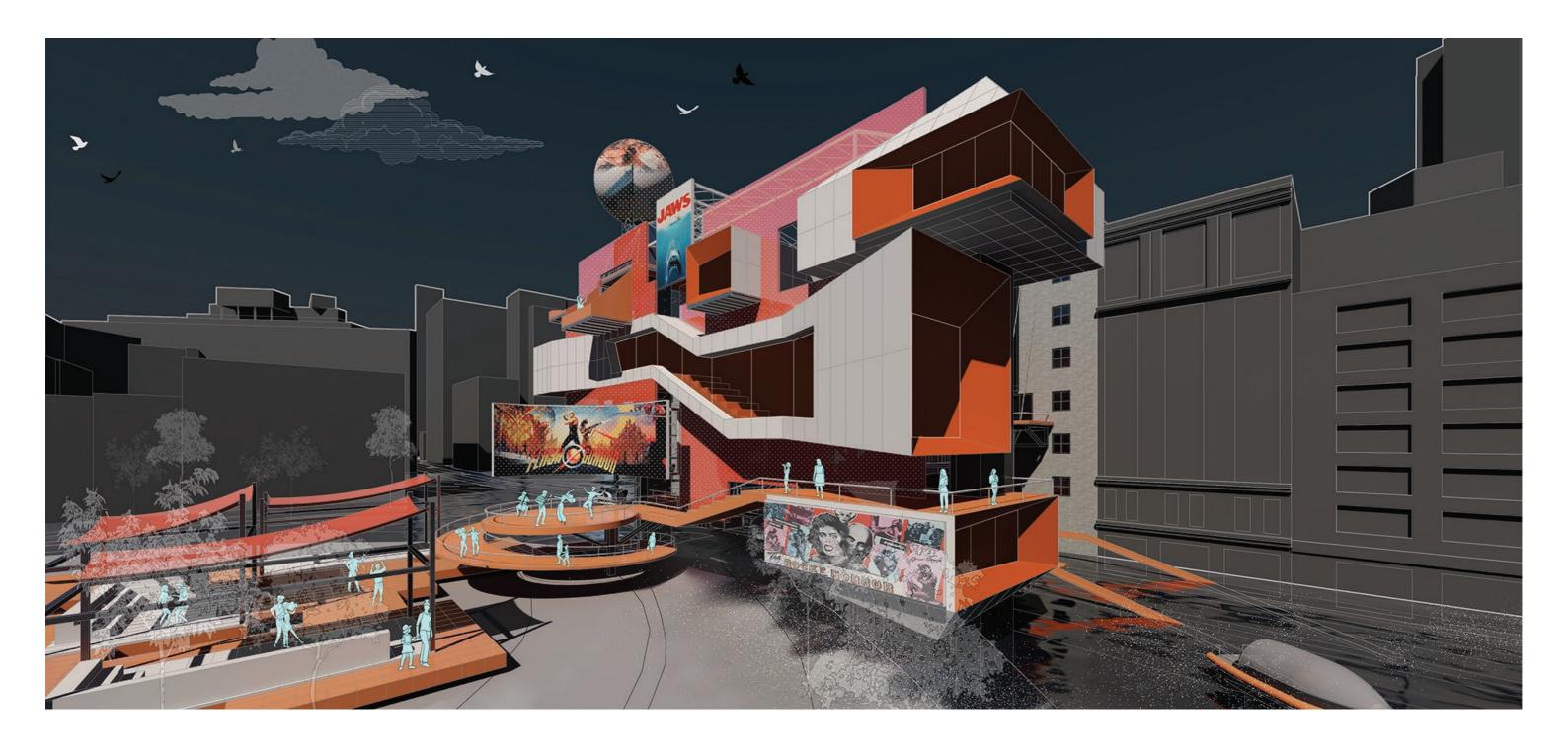






INFRASTRUCTURE CATALOG SHARON KANG



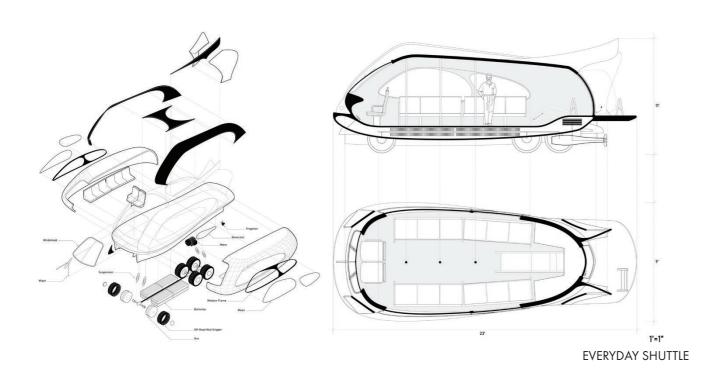


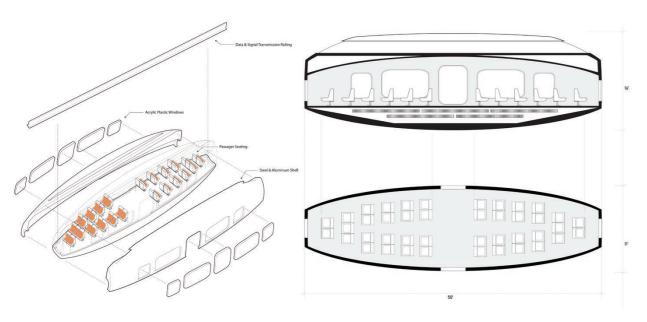
Given our growing susceptibility to extreme weather events, it is critical that we shift our perspective on flooding from a distant concern to an immediate threat. The primary goal of this initiative is to establish an adaptable wet network capable of addressing the evolving needs of diverse communities. Instead of fixating on a single time frame, the network's design will prioritize flexibility in the face of uncertainty. The ultimate objective is to ensure our ability to respond effectively to flooding, not only in the long term but also in the present and near future. The project will utilize the Spring Studio, located at the heart of Tribeca, as its prototype site. With its reputation for hosting innovative and artistic gatherings, Spring Studio serves as a hub for a wide range of communities, making it an ideal location for integrating various wet transportation solutions for a future flood-prone New York City, both in emergencies and everyday transit.

For this project, the idea development process was collaborative. My contribution focused on the development of the emergency response system, as well as the drawing of diagrams, site plan, and plans.

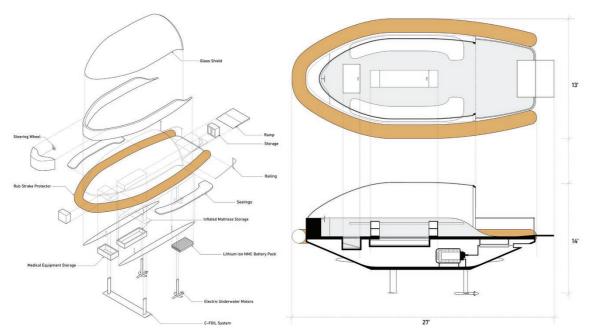
Fall 2023 | Tribeca, New York, NY Instructor: Amina Blacksher Collaborator: Xinting Ma, Jinjian Chen Advanced Studio V

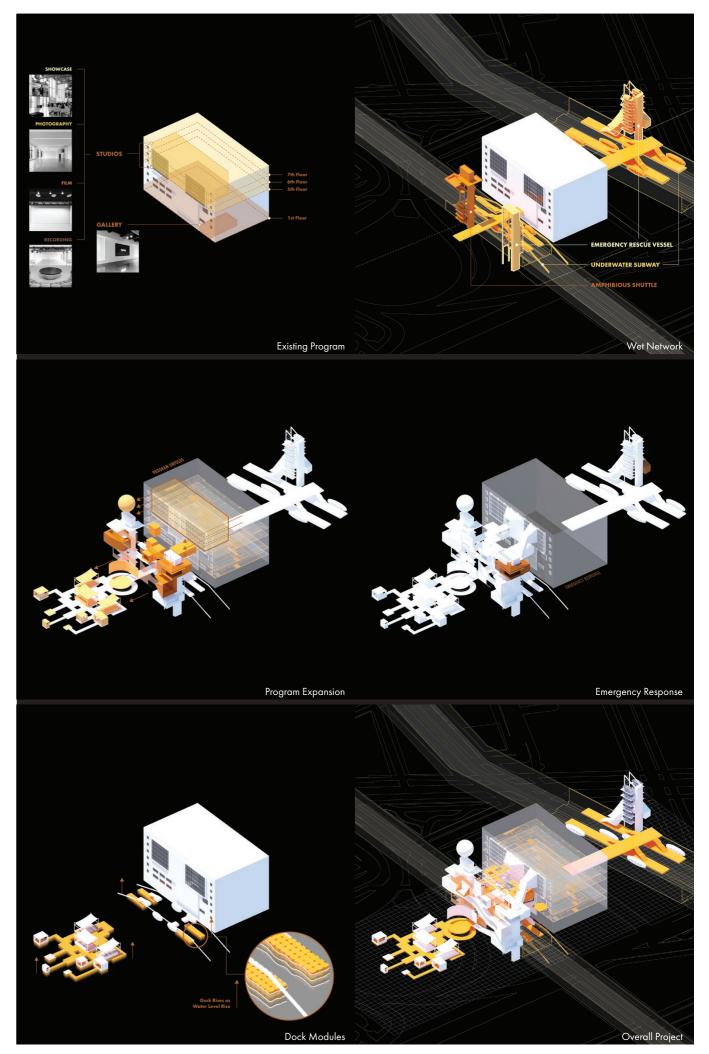
## FLOATSCAPE INSTITUTING A HYDRO-RESPONSIVE NETWORK



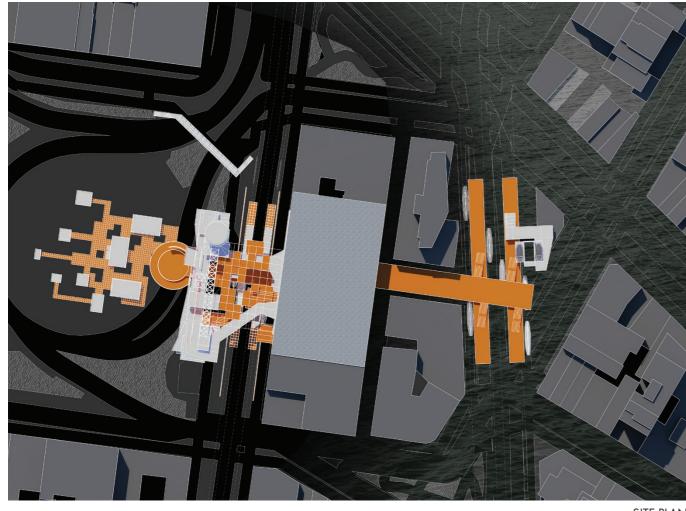


UNDERWATER SUBWAY

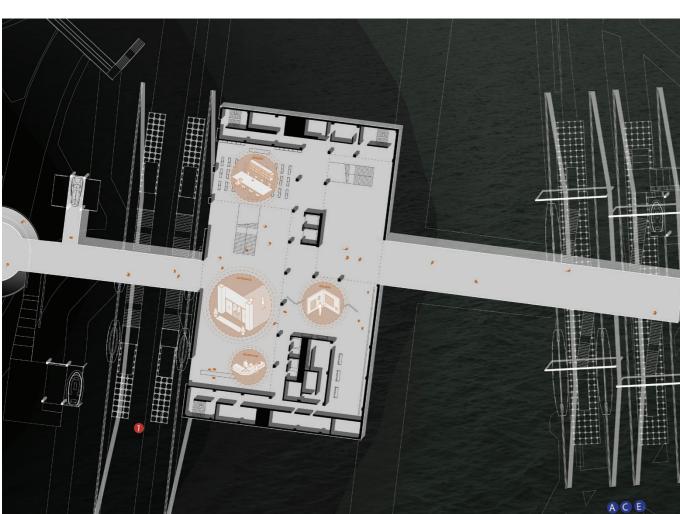


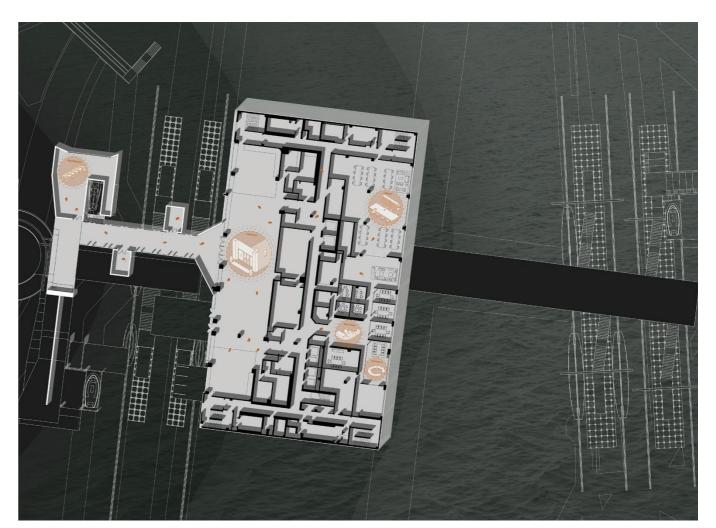


**EMERGENCY RESPONSE VESSEL** 

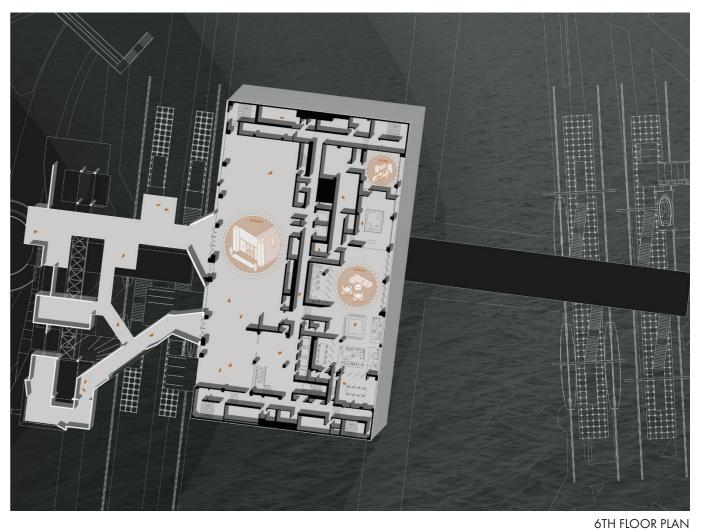




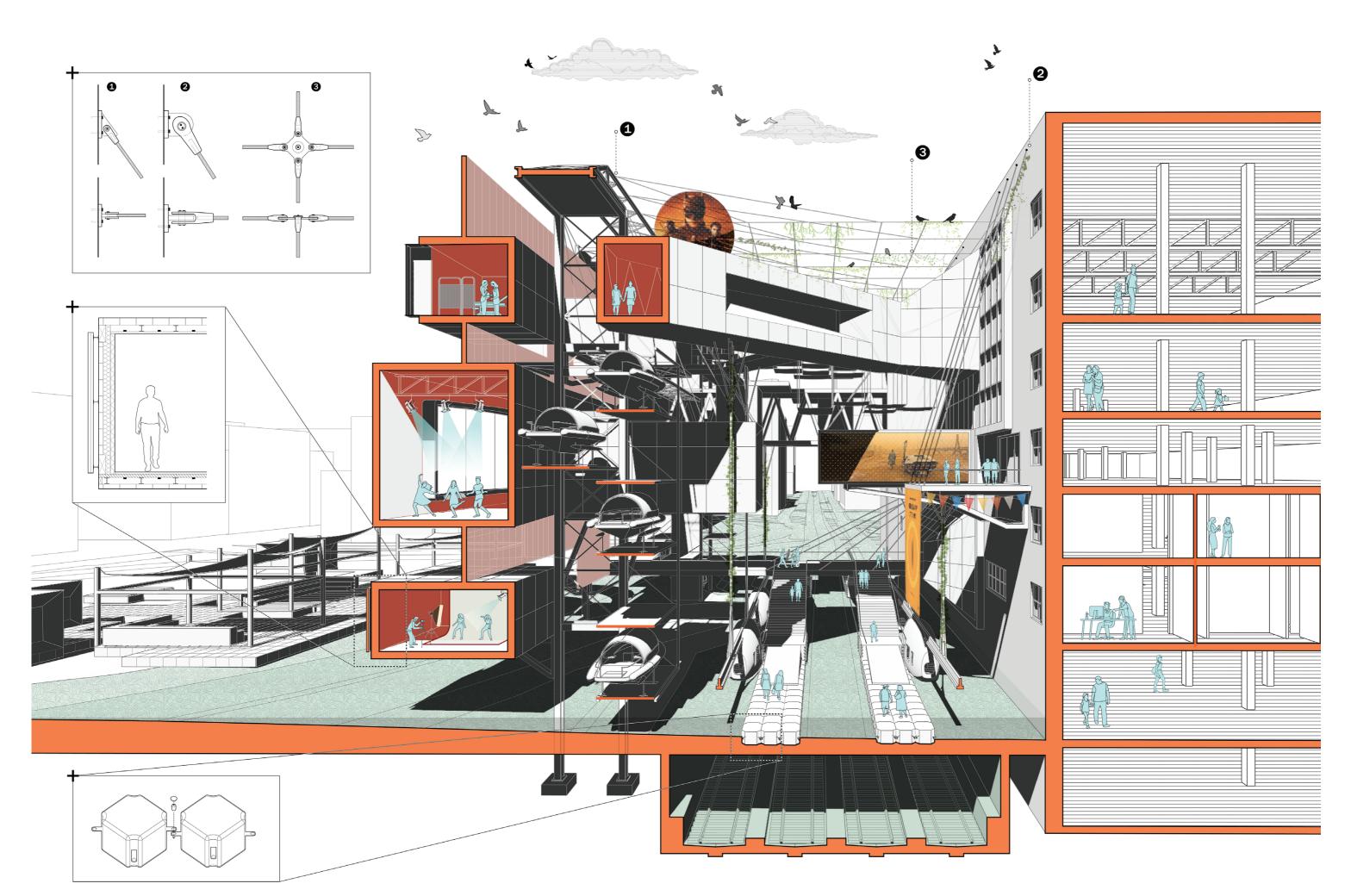


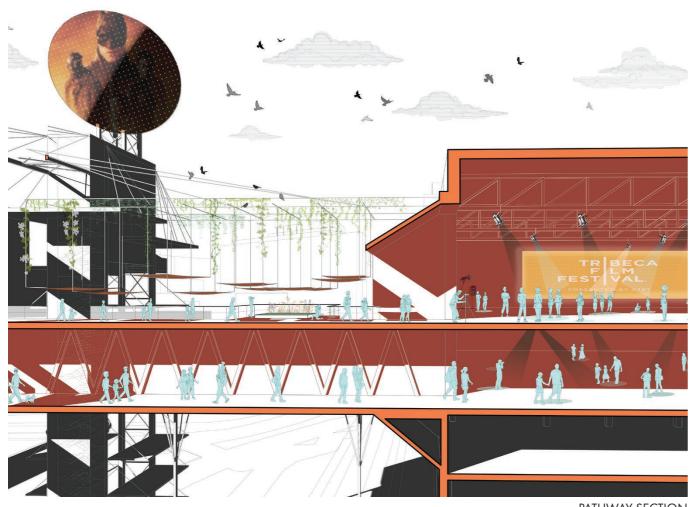


5TH FLOOR PLAN



2ND FLOOR PLAN





PATHWAY SECTION





PHYSICAL MODEL RENDER



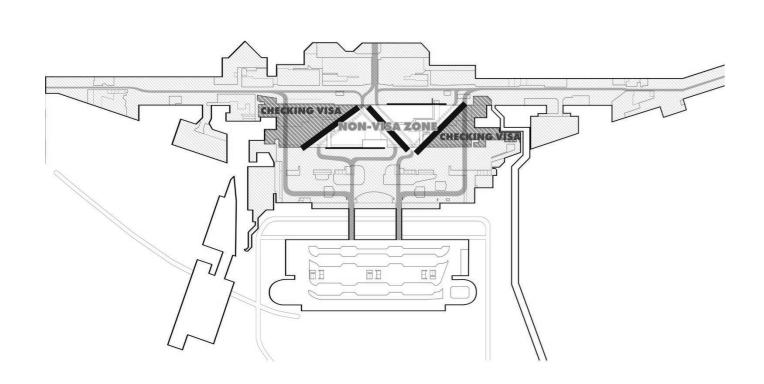
Spring 2024 | Heathrow Airport, UK Instructor: Emanuel Admassu Collaborator: Yiyang Liao Advanced Studio VI

The goal of this project is to reimagine the Heathrow Airport as a site for restitution, and the statue of Ramses II in the British Museum is used as the starting point of our research. We aim to create intervention structures that foster the restitution process of museum objects, diverging from traditional museums in materiality, form, and purpose. Our design aims to revolutionize the traditional hierarchy of the airport, boldly asserting the imperative of restoration while revolutionizing the visa-checking process at Heathrow Airport. These initiatives serve as manifestos challenging the conventional architectural regulations governing both Heathrow Airport and the British Museum.

NON-VISA
REDEFINING RESTITUTION FREE FROM NATIONALISM









FRAGMENTATION DIAGRAM



NEW HIERARCHY DIAGRAM



ways. Some objects are subject to questions about, or requests for, return to other countries. Statements on the most frequent requests and



#### SOUVENIR

Browse our range of fascinating and highly-detailed replicas, many of which are exclusive to the British Museum. From ornaments inspired by the ancient Egyptian god Anubis to hand-made recreations of the armour of Saxon Britain, from the Rosetta Stone to the Lewis Chessmen, discover extraordinary replicas, ornaments, busts and bronzes of all sizes to add a touch of history



### TOURIST

The British Museum was the UK's most-visited attraction for the first time since before the Covid pandemic. The Association of Leading Visitor Attractions (ALVA) showed there were 5,820,860 visits to the central London museum in 2023, a 42% increase on 2022.



## **ARCHIVE STORAGE**

The British Museum collection totals at least 8 million objects. Roughly 80,000 objects are on public display at the British Museum in Bloomsbury at any one time.

## **BRITISH MUSEUM**

NEPOLEAN

remove it to France during his 1798 expedition there. It was during this attempt that the hole on the right of the torso (just above Ramesses's right

nipple) is said to have been made



## VISA

In 1975, Maurice Bucaille said that the mummy was threatened by fungus and needed urgent treatment to prevent total decay. French laws dictated that entry and transportation through the country required a valid passport. To comply with local laws, the Egyptian nment issued a passport to the Pharaoh.



#### LOCAL PERCEPTION

Ramses II, commonly known as "Ramses the Great," is one of the most famous pharachs of Egypt. He was known to the ancient Egyptians as Userma'atre'setepenre, which means "Keeper of Harmony and Balance, Strong in Right, Elect of Ra." Ramses II is viewed as a great warrior, fighting many battles.



#### **RAMESSEUM**

The Ramesseum is the memorial temple (or mortuary temple) of Pharaoh Ramesses II ("Ramesses the Great", also spelled "Ramses" and "Rameses")



### LUXOR

## RAMESSES II



During Napoleon's expedition to Egypt, Baron

Dominique Vivant Denon, produced numerous

etchings depicting Egypt, which contributed to a

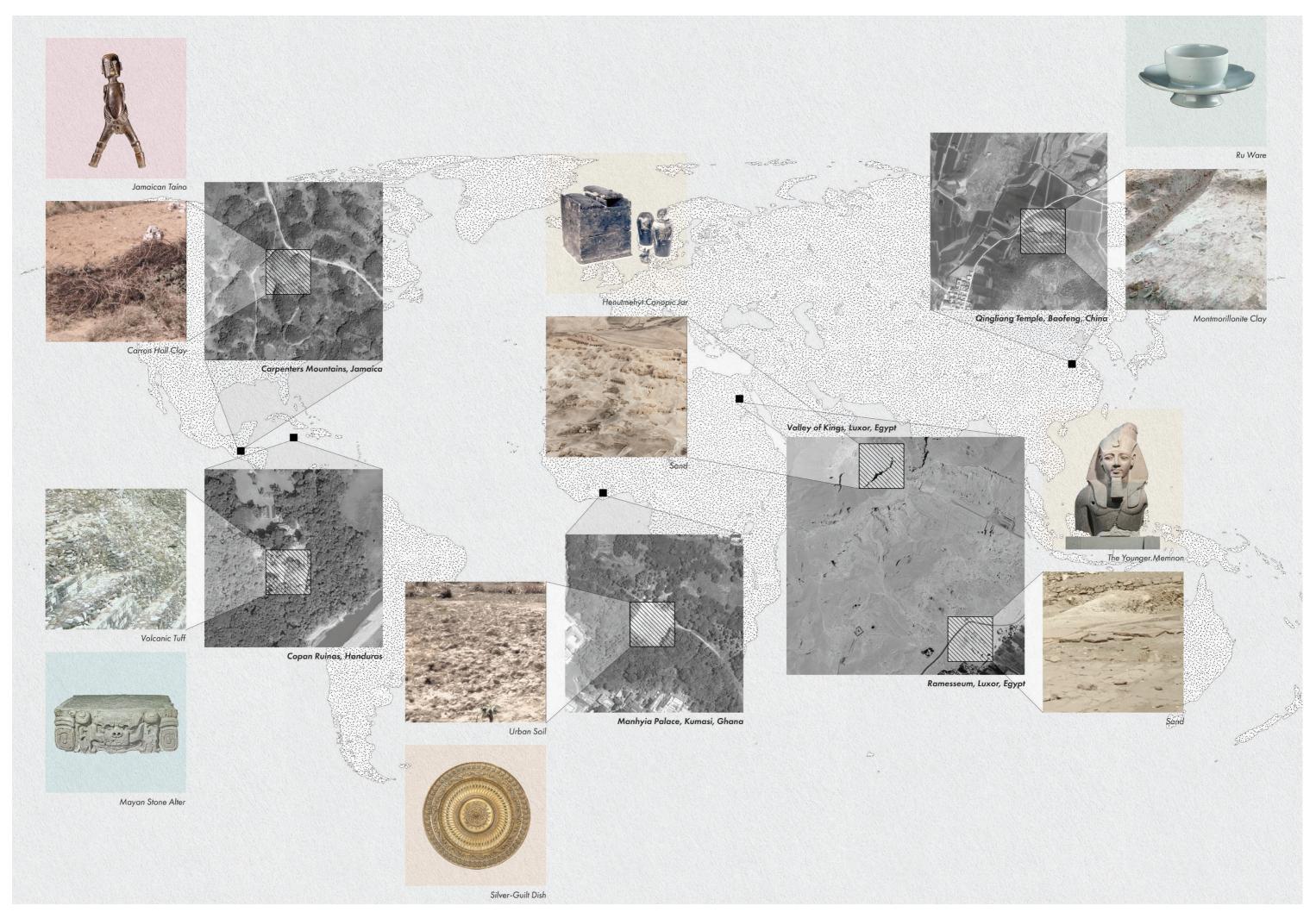
distorted narrative and perception of Egypt that

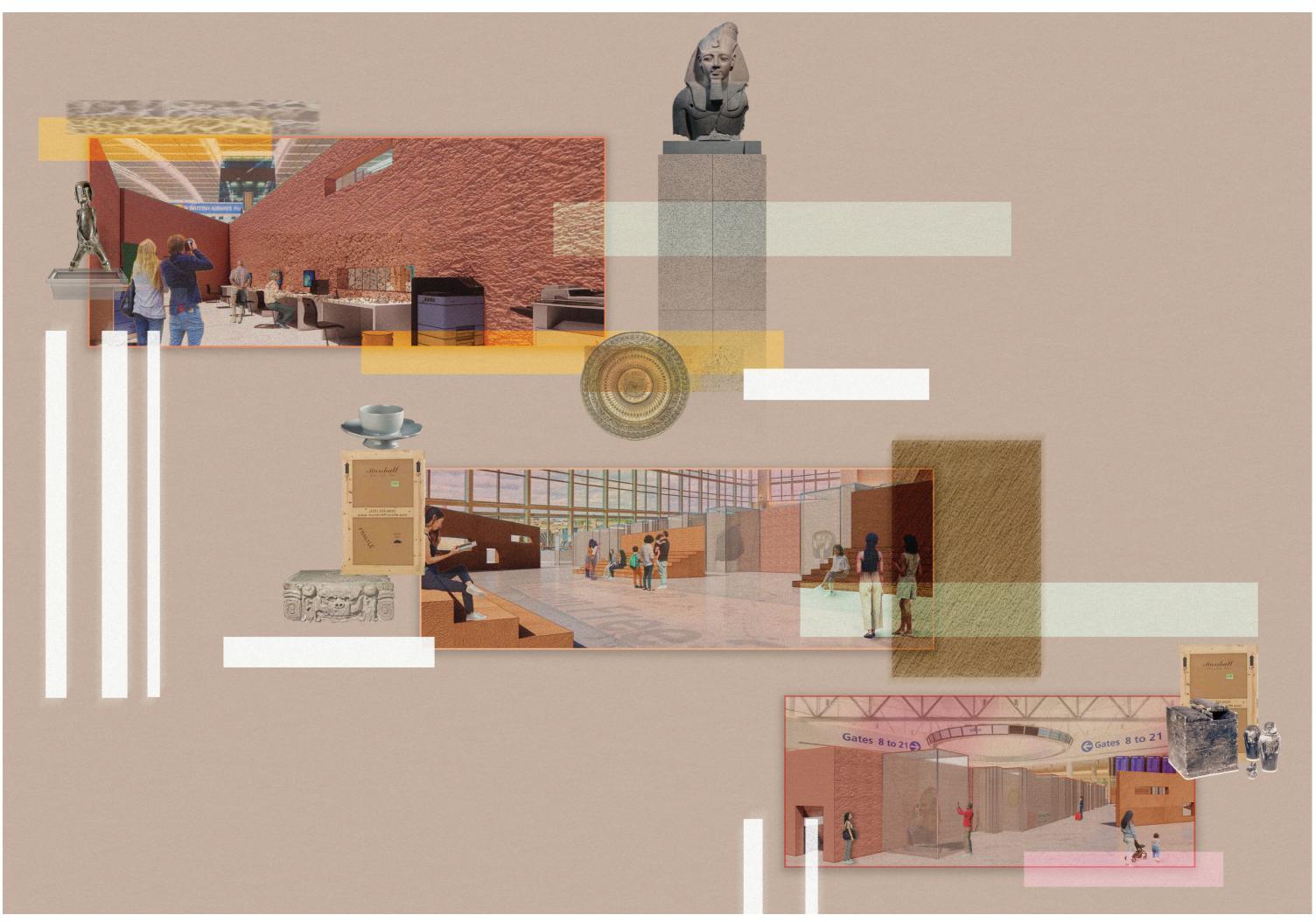
persists to this day on a global scale.

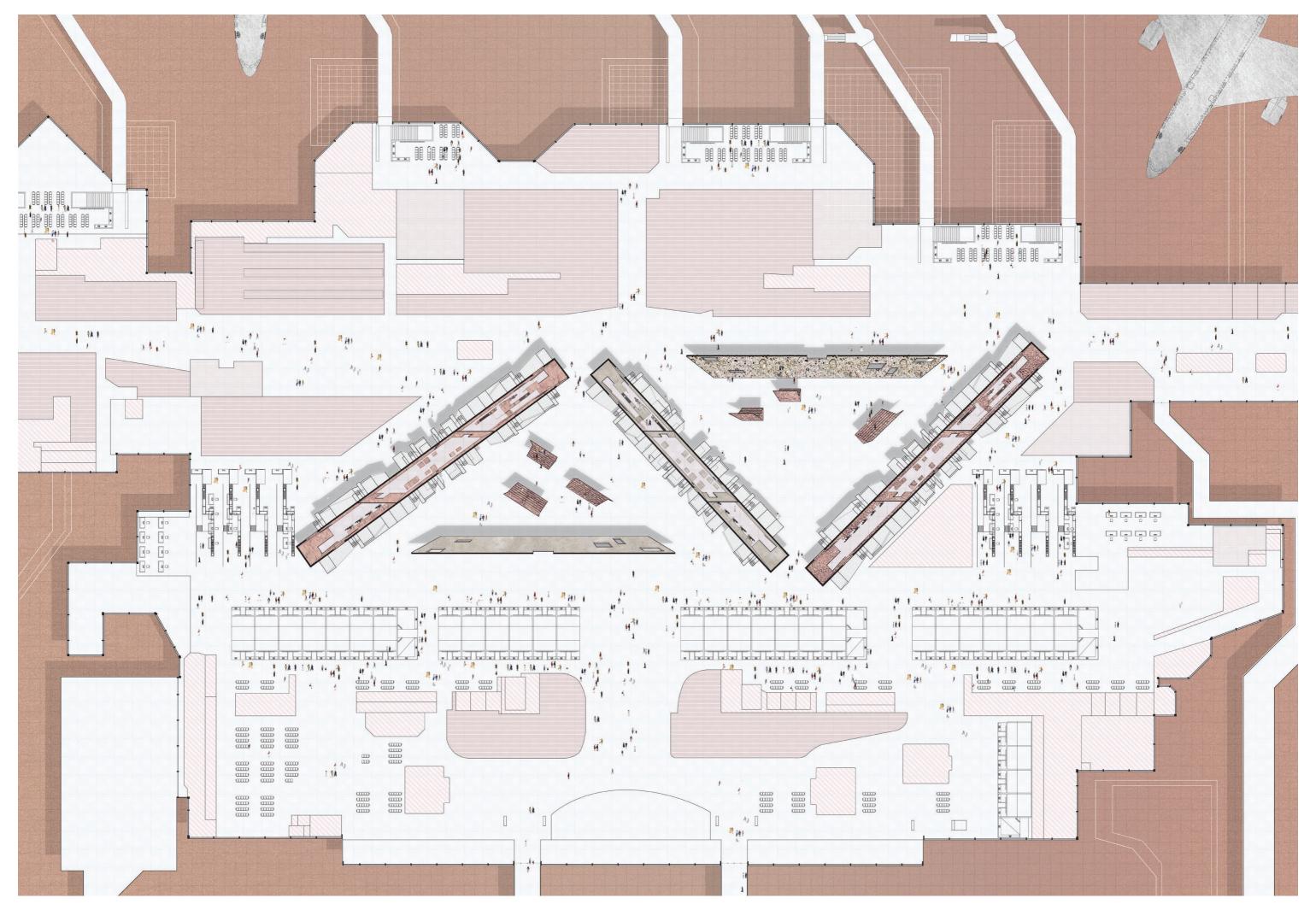
## STATUE OF RAMESSES II

ETCHING

The British Consul General Henry Salt hired the adventurer Giovanni Belzoni in Cairo in 1815 for this purpose. Using his hydraulics and engineering skills, it was pulled on wooden rollers by ropes to the bank of the Nile opposite Luxor by hundreds of workmen.







In the floor plan, our objective is to integrate our intervention structure into Heathrow Airport's original, highly modernist architecture. Our aim is to enhance spatial organization, cleanliness, and clarity of movement within restitution structure incorporates materials sourced from the surrounding landscape, lending authenticity to the restituted projects. Designed as semi-enclosed, it offers a glimpse of the restitution process through a discreet window, allowing observers to engage with the project while maintaining a controlled

HENUTMEHYT CANOPIC JAR

The restitution functions: artifact security, t e m p o r a r y storage, and debate/discussio objective is to configurations, whether combining all into a unified structure or creating separate structures at

**JAMAICAN TAINO** 

Statistics of 2021 19.4 millions

passengers daily attributed to 14%

passengers 87.6% of our passengers were international (17.0

million) 12.4% of passengers who

leisure 62% (12.0

Travelling for business 28% (7.4

**YOUNGER MEMNON** 

**SILVER-GILT DISH** 

**MAYAN STONE ALTER** 

**RU WARE** 

different scales.

passengers annually

Average of 1 2 8 , 1 7 8

Travelling for

INSTALLATION

through airports, we identified key programs that will be emphasized in the restitution process: security checks for objects, storage facilities for objects, courtrooms for object ownership debates, and offices handling

Using these four

materials, we constructed our

restitution

intervention

typical journey of

spaces.

object restitution paperwork. These forms materials aforementioned rammed earth, casted sand, adopting a visual identity that

and

contrasts with the transparent glass rac ion project essentially aims to transform the airport into a

restitution.

The ge vs
wii 3 of
mc ints aken
from those programs and al shows ' in ecting h visualization style takes precedent in artist Dudu Lamola who uses collages to explore the relationship between reconstruction in order to challenge a hegemonic, Western

perception reality.

We are trying to show travelers the difficulties objects shared amount of semi-translucent as the travelers were able to objects; they were not shown the actual object given that our narrative for the structure

The drawing not only emphasizes the geographical segregation of the top and bottom of the Ramses II statue but also focuses restitution showcasing

depicting Egypt which contributed to a distorted narrative perception Egypt that persists to this day on a alobal scale. If you look into the information page for the ancient city Thebes on the British Museum

NON-

**VISA** 

our research revealed patter

a cquisition

process of this object, and how it

influenced the

perception of exotic cultures,

mirrors that of

numerous artifacts in the British

Museum. In 1798,

during

Napoleon's

expedition to Egypt, one of his troop members, Baron Dominique

Vivant Denon

produced

website, what can

be found is that

the page is very much structured around tourism

rather than culture and artifacts.

The site we are working with is Heathrow Airport

in London, and we

are using the statue of Ramses II in the British

Museum as the starting point of our research. Our

goal is to create

intervention

structures that

objects, diverging from traditional

museums in materiality, form,

and purpose.

the

are facing a waiting restitution by showing them the objects behind a s u b m e r g e themself in the mass amount of goal is not to craft a new "official" objects. The function of the fostering

illustrates the different ways in which the narrative of the statue and the culture were perceived in the two different locations. The right side of the image shows the current location of the bottom half of Ramses with all its original context, while the left side displays the layout of the British Museum along with the museum's official narrative. It is crucial to point out that the British M u s e u m disregarded the context while exhibiting and only provided s e l e c t i v e information in their narrative of

the statue and the

MATERIAL MODEL

CONTEXTURAL MODEL



Object: Object: The Younger Memnon

SITE MODEL





Spring 2024
Instructor: Michael Wang
Metabolic Materialities

Our Anthropocene era has often been dubbed the Plasticene, as microfiber—a type of microplastic—has become an integral part of our ecosystem, permeating our water systems primarily through laundry wastewater. Microfiber is produced through the breakdown of polyester and nylon fabric, which are made of synthetic fibers. Despite the color appearance of the polyester clothing that we are used to, the production of such material can be traced back to the excavation of petroleum.

This project's essence lies in comprehending the unavoidable presence of microfiber in our daily surroundings. It seeks to utilize waste fibers collected from this room and laundry residue to craft everyday clothing, thus closing the material cycle. Additionally, it also explores the tension between our vibrant attire and the waste it generates, evoking a feeling of unease.

