

Transpositions

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MS AAD

01 The Living Armory

: 15 weeks/Fall 2023

Category : AAD V/ Kingsbridge Armory adaptive reuse project

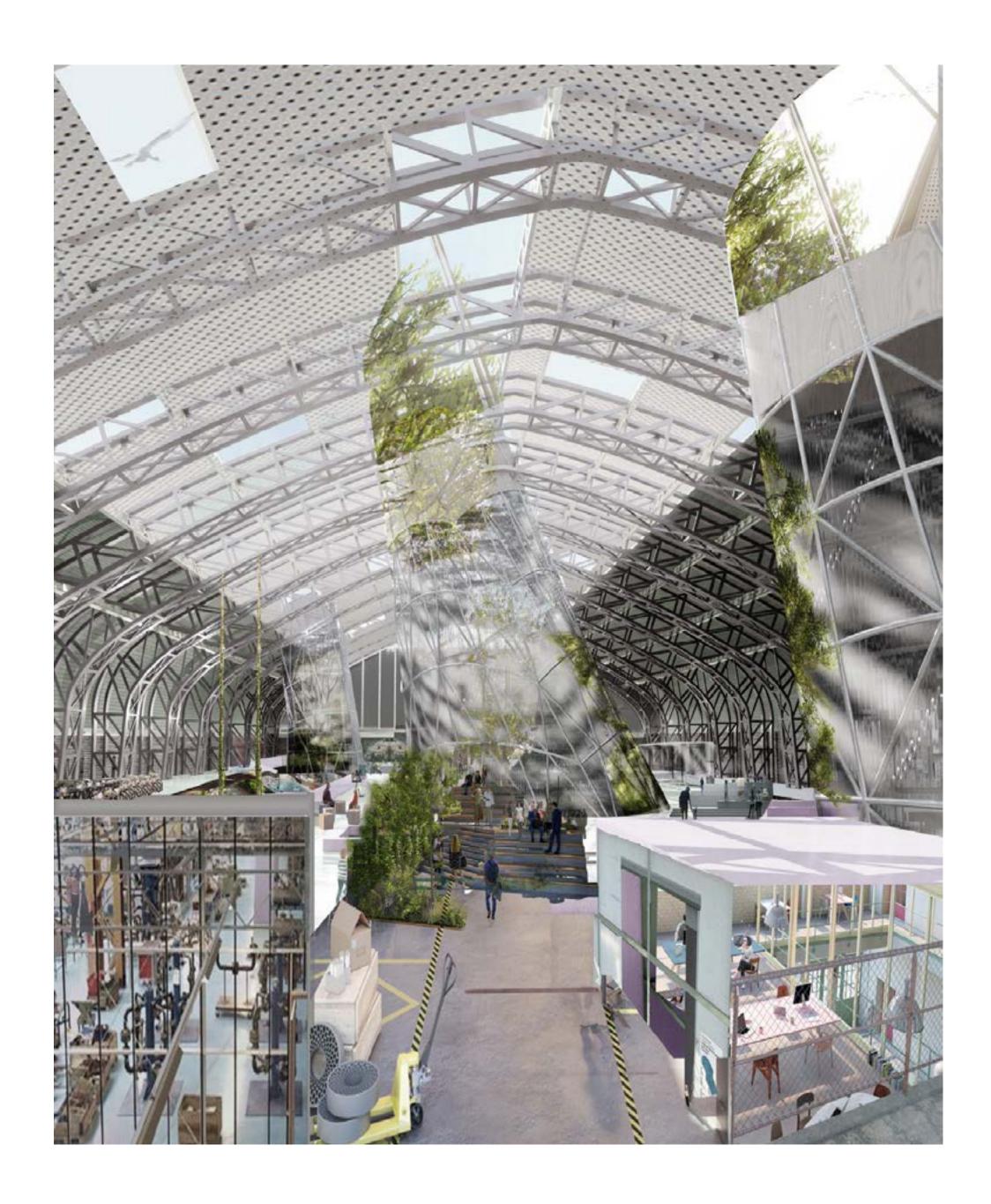
Instructor : Laurie Hawkinson

in collaboration with Xinyi Liu

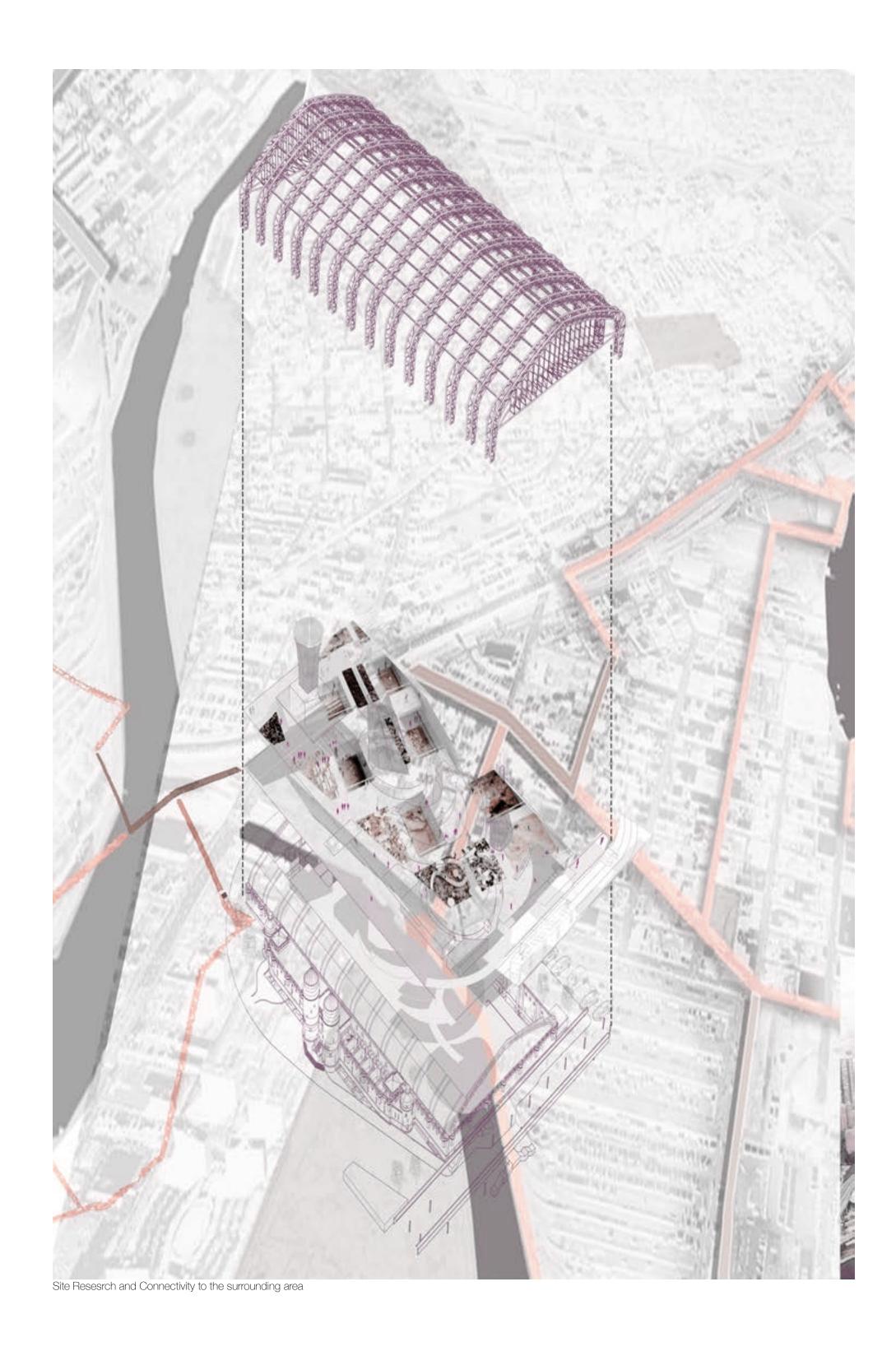
Period

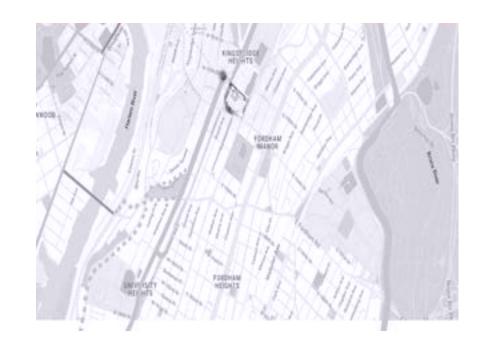
What if the armory could bring the outside in? Imagine a sanctuary where the boundary between exterior and interior dissolves, revealing a harmonious coexistence between nature and architecture. "Nature's Embrace" is an architectural endeavor that transforms the conventional notion of an armory into a dynamic, living space. Three unconditioned vessels, inspired by organic forms, serve as immersive outdoor environments, blurring the boundaries between nature and architecture. These vessels act as extensions of the surrounding conditioned spaces, creating a seamless transition between the built environment and the outdoors.

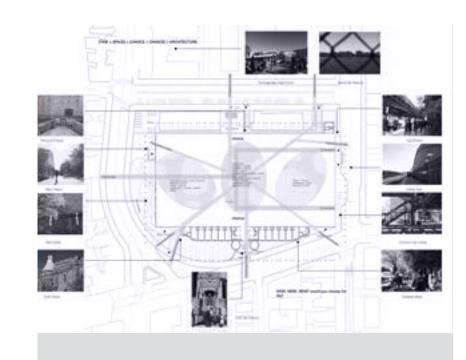
The upper floor becomes a canvas for the unpredictable, allowing the outside city elements to infuse the spaces with life and spontaneity. Picture open, adaptable areas that respond to the pulse of the city, seamlessly integrating the energy of the streets with the tranquility of the surrounding natural vessels.. Meanwhile, underground spaces host formal programs, creating a juxtaposition between the organic above-ground vessels and the structured below-ground spaces. "What if the armory could bring the outside in?" This project seeks to answer that question by redefining the boundaries of traditional architecture, offering a transformative experience where nature becomes an integral part of the architectural narrative.

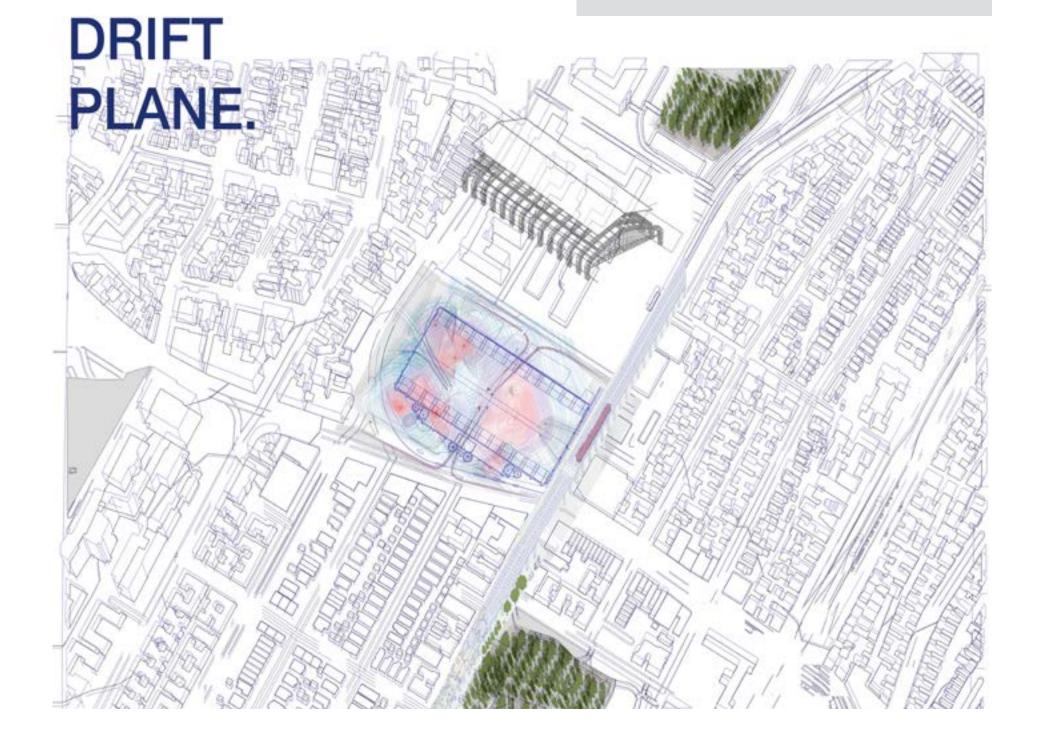


MS AAD Fall Adv Studio

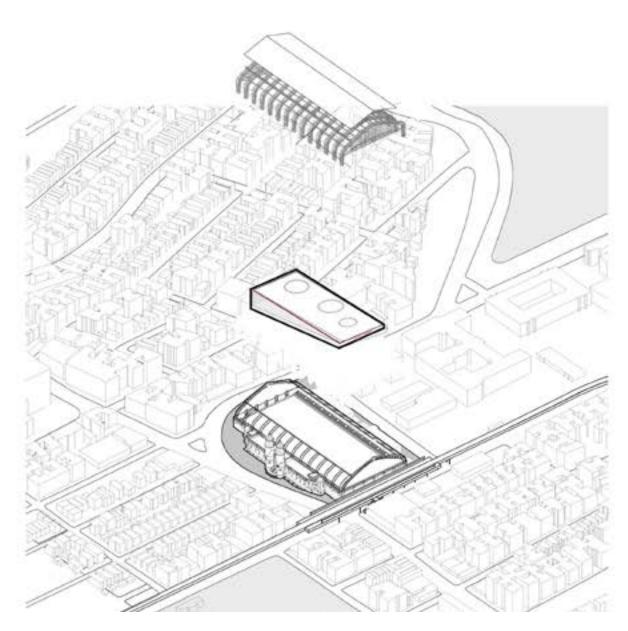


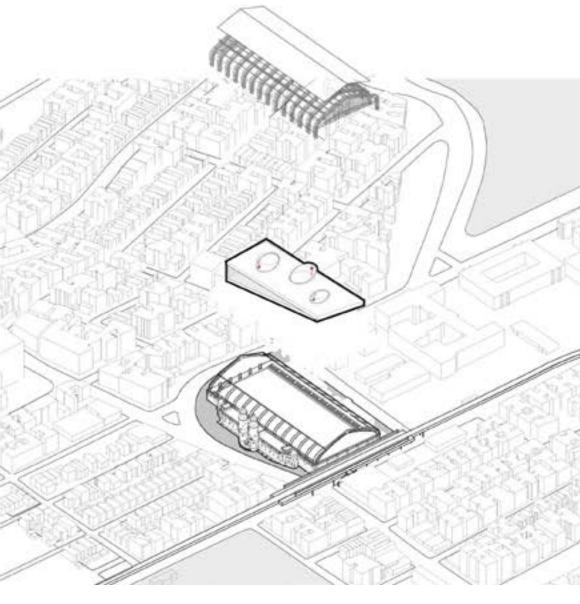


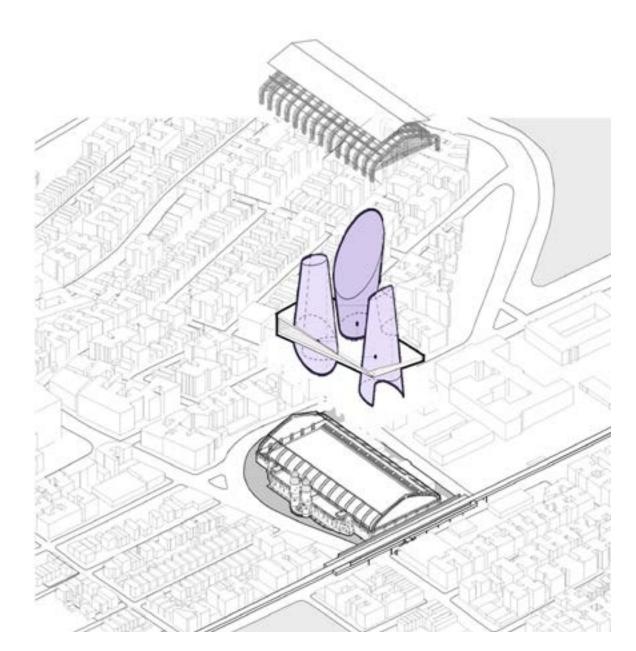




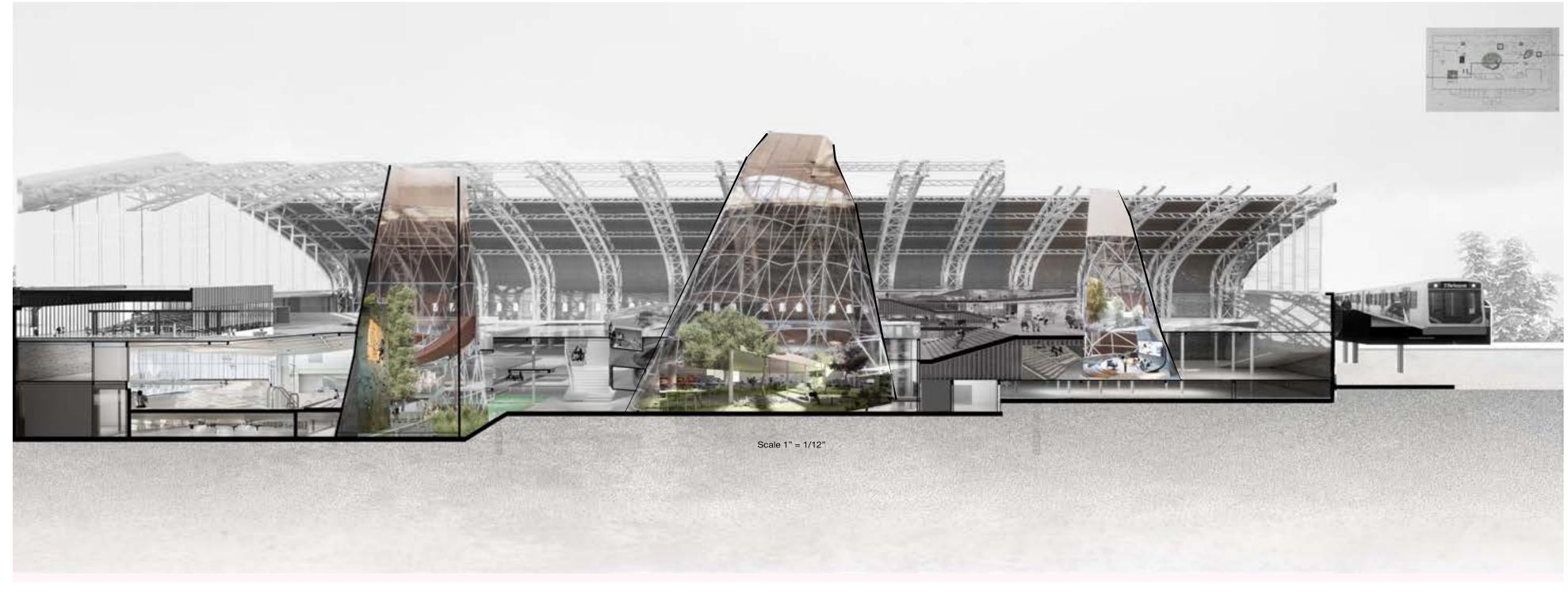
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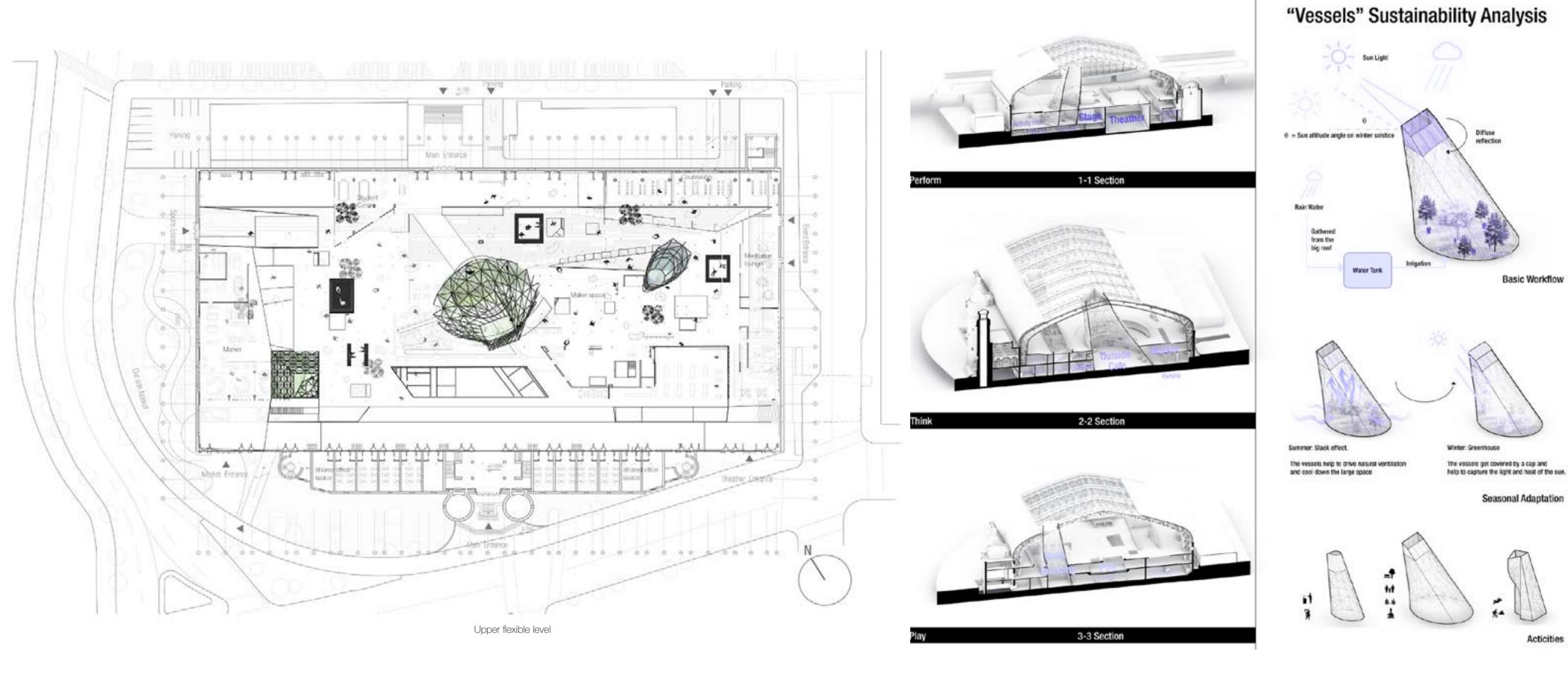


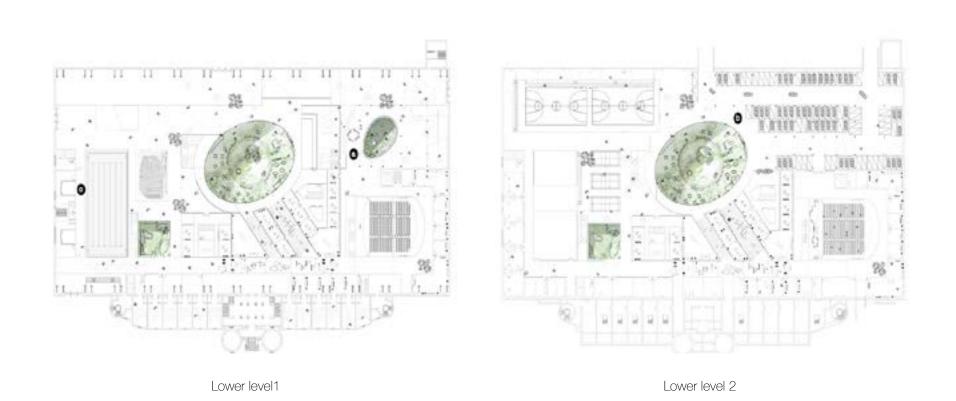


Drift floor plane Voids on the floor plane Vessels through the voids



MS AAD Fall Adv Studio





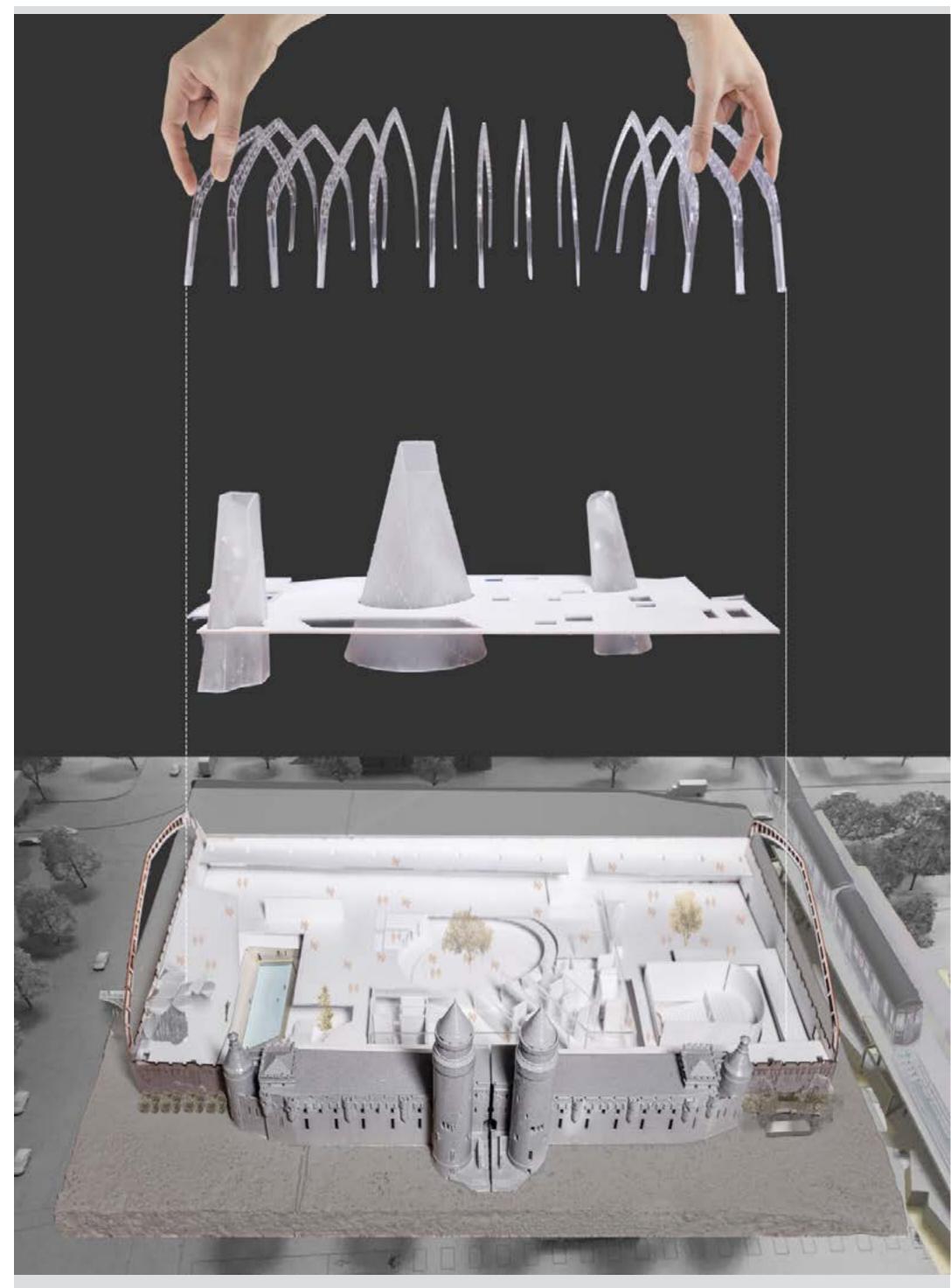


Basic Workflow

Seasonal Adaptation

Acticities

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Exploded model axonometry showing the main three vessels and the different functions inside



View of the open theatre



View of the central vessel from the parking lot



View of the pool

MS AAD Fall Design Seminar Architecture Elective

02 Zaha Hadid -An Analysis

Category: Design Seminar Elective/ Architecture Apropos Art

: Steven Holl & Dimitra Tsachrelia : 12 weeks/ Fall 2023

Zaha Hadid, a groundbreaking architect, commenced her remarkable career in collaboration with architects Koolhaas and Zenghelis, laying the foundation for her iconic status in architecture. Early on, her career was marked by theoretical explorations influenced by artist Kazimir Malevich. The turning point came with her fourth-year thesis project, "Malevich Tectonic," a painting bridging art and architecture inspired by Malevich's 1915 0.10 exhibition.

This project became the genesis of Hadid's distinctive architectural style, departing from tradition. Frustrated by conventional representation, she embraced Malevich's suprematism, infusing abstract simplicity. Her exploration of layering and fragmentation rebelled against the constraints of a male-dominated profession.

Hafenstrasse painting, I replicated her layering and fragmenting techniques, translating her rebellious spirit into my design.

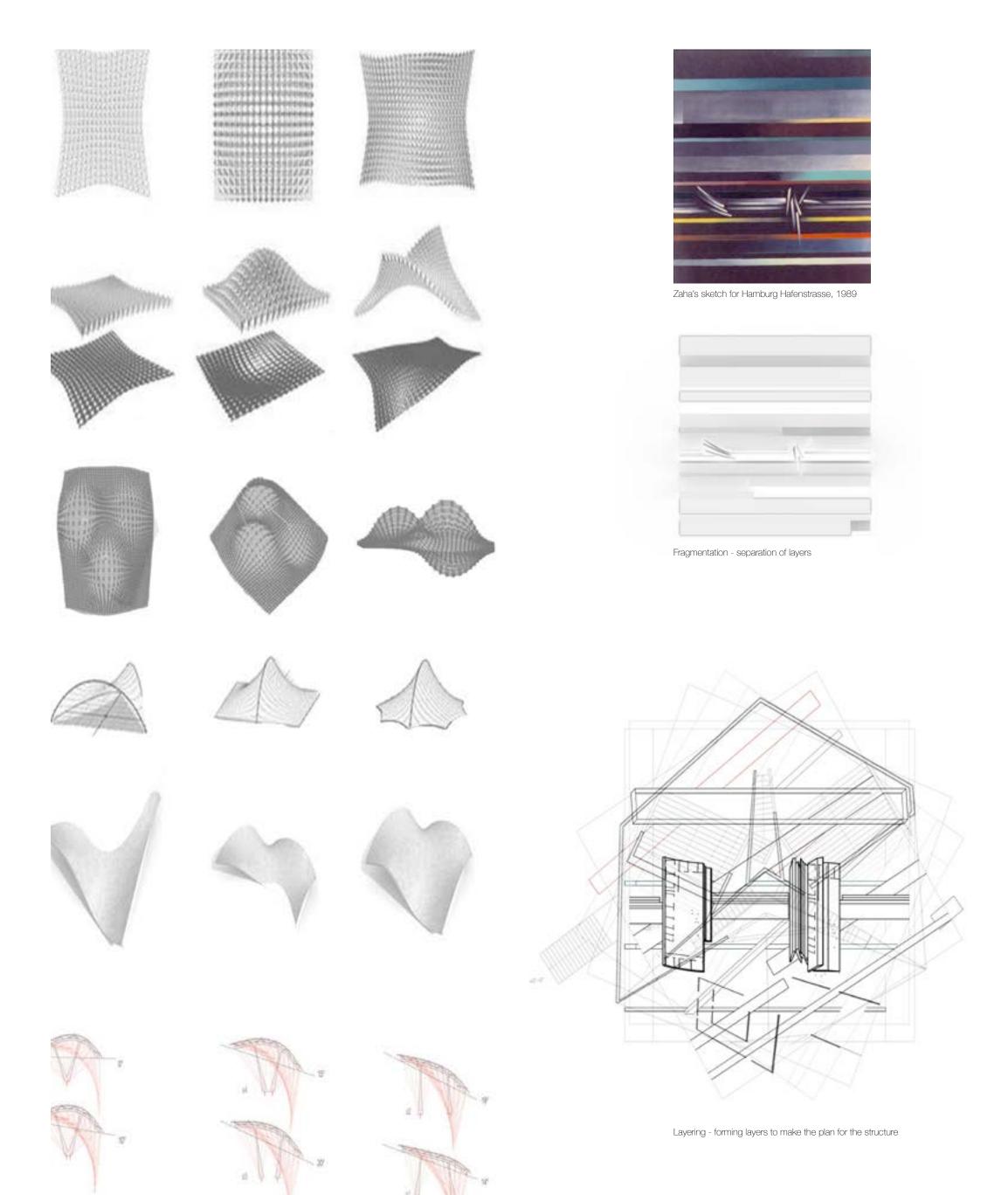
Studying Hadid's work freed me from architectural representation constraints. Embracing suprematism and abstract simplicity, I found liberation echoing Hadid's quest in a male-dominated field. Layering and fragmentation, Hadid's response to tradition's limits, catalyzed my creative breakthrough.

Through this intervention, I paid homage to Hadid's influence, charting my unique design trajectory. Her principles merged with my interpretation, resulting in a distinct architectural language. My design's layers symbolize departure from norms, fragments break conventional boundaries.

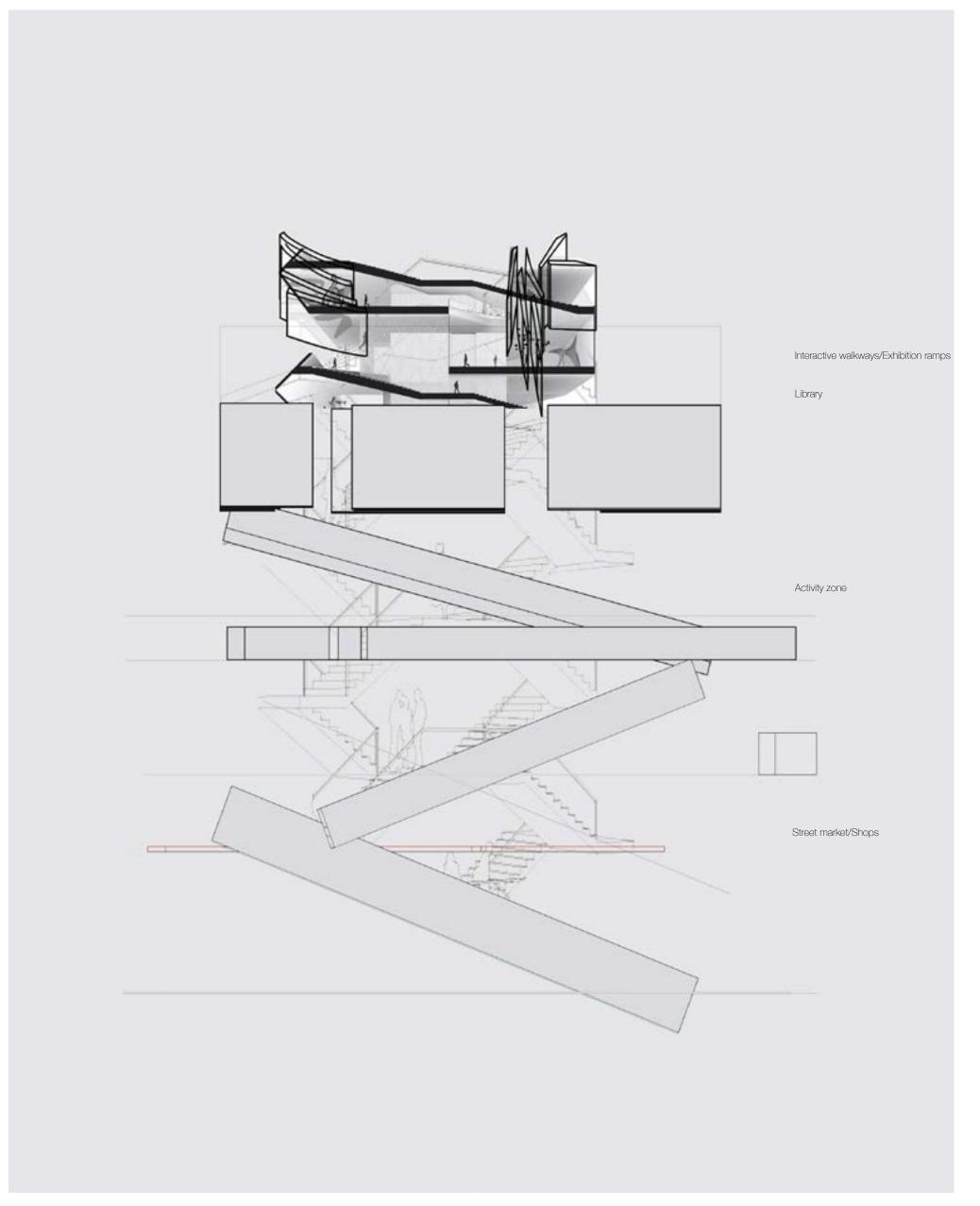
This transformative journey, inspired by Zaha Hadid's pioneering spirit, stands as a testament to the lasting impact of her ideas on the architectural landscape. As I navigate the intersections of layering and fragmentation, I find myself contributing to the ongoing narrative of architectural innovation. Hadid's legacy lives on not only in her iconic structures but also in the ripple effect she has had on the next generation of architects, myself included, who continue to push the boundaries of design and create spaces that resonate with a sense of both rebellion and artistic freedom.



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Fall Design Seminar Architecture Elective

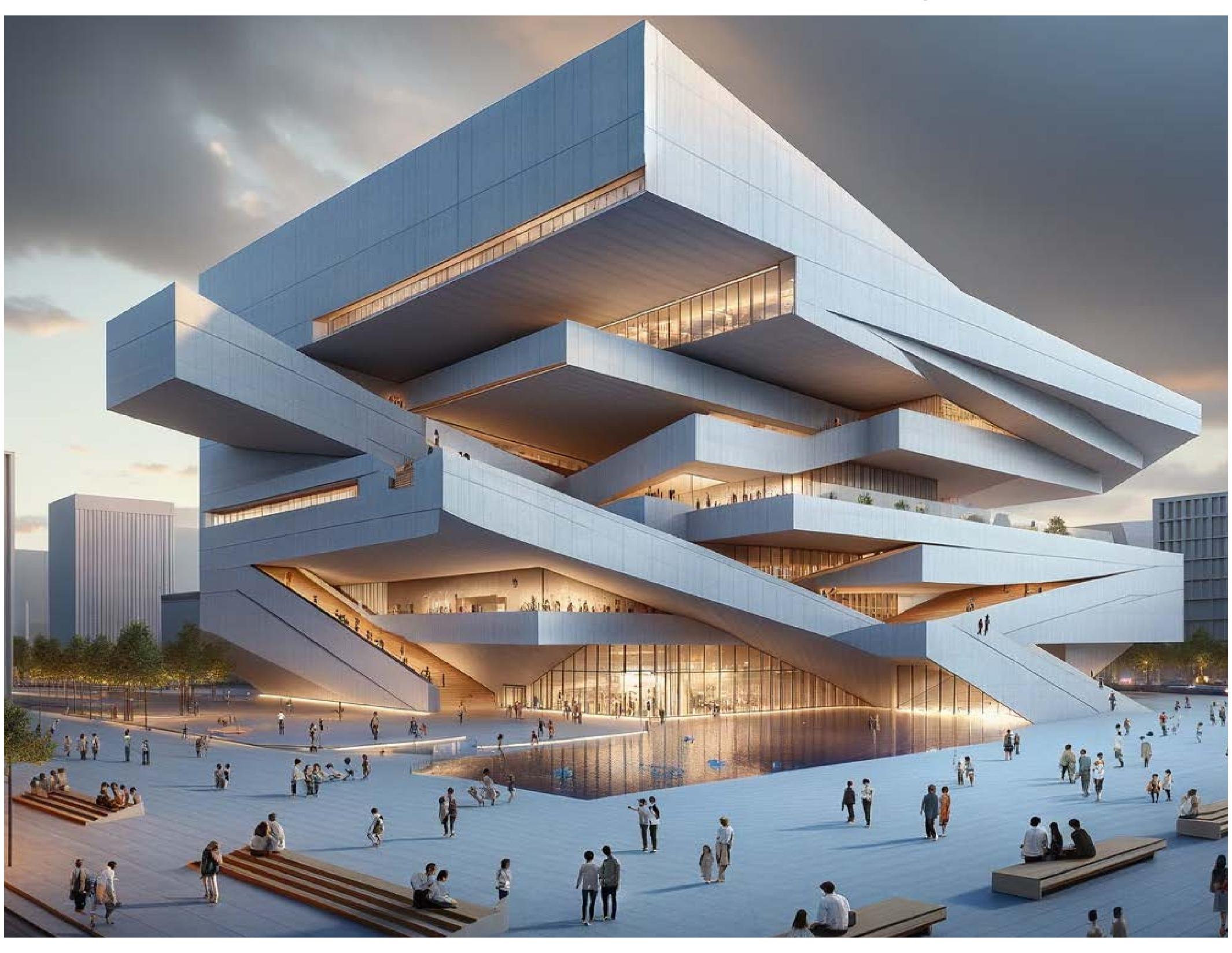


Experimenting with different angles to make an optimum use of the sunlight at a particular location



Interconnecting ramps that act as interactive spaces. Corridors at the back leading to different functional spaces

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Fall Design Seminar Architecture Elective



MS AAD Fall History and Theory

philosophy.

03 Goldberger's Architectural Discourse



Interior view, Pantheon, Rome



Thomas Jefferson, the Lawn, University of Virginia, Charlottesville



Philip Johnson, interior view, Glass House, New Canaan, Connecticut

History of Theory of Architecture

Instructor: Mark Wigley
Reference
"Why Architecture Matters" yale university press new haven and london X paul goldberger why architecture matter

Paul Goldberger's "Why Architecture Matters?" is a fascinating talk that goes beyond common conceptions of the built environment in the broad field of architectural theory. In order to enhance the conversation, Goldberger skillfully crafts a story that explores the complex nature of architecture by thoughtfully situating it in both historical and intellectual settings. We examine Goldberger's language, visuals, and overall goal in detail as we set out on a thorough investigation, scrutinizing the decisions he took to persuade the reader of his persuasive idea.

In the context of architectural history, Goldberger's work develops, weaving a tale that deftly bridges the past and present. Historical allusions, ranging from Mies van der Rohe and Thomas Jefferson to Vitruvius, assist to ground the main point within the enduring architectural heritage. This supports Goldberger's arguments and creates a dynamic historical lineage, illustrating architecture as a living art form with deep historical origins. Often regarded as the father of architectural theory, Vitruvius serves as a link between the modern reader and the historical roots of architectural

The historical contextualization is a dynamic force that advances the discourse rather than serving as background information. By referencing individuals like Mies van der Rohe and Thomas Jefferson, Goldberger establishes a continuity that highlights how architectural concepts evolve throughout time. This deliberate The historical contextualization is a dynamic force that advances the discourse rather than serving as background information. By referencing individuals like Mies van der Rohe and Thomas Jefferson, Goldberger establishes a continuity that highlights how architectural concepts evolve throughout time. This deliberate contextualization paves the way for a deeper comprehension of architecture as a discipline that changes and grows with the times. Deciphering the target audience is essential to understanding Goldberger's discourse's layers. His use of language, which combines technical architectural jargon with formal diction, reveals a nuanced style intended for a wide range of readers. The audience consists of designers, architects, academics, students, and others with a general interest in how architecture and society interact. The text is more credible and persuasive due to the purposeful use of scholarly terminology, which caters to a wide range of readers with different degrees of architectural literacy. The goal of persuading the public that architecture is an art form that molds emotions, cultural identity, and everyday experiences is at the core of Goldberger's theory. The theory's framing techniques highlight its strategic function. The main point is supported by well-placed historical allusions and architectural exemplars. Goldberger wants to convince the reader of the enduring and transformational power of architecture by presenting real-world examples such as the Johnson Wax Administration Building and the University of Virginia, as well as by constructing a narrative that spans architectural history. The central claim refutes the widely held belief that architecture serves only utilitarian purposes. According to Goldberger, architecture is a dynamic force that is actively reshaping the world.

MS AAD
Fall History and Theory

This argument is not made in a vacuum; rather, it is entwined with background information and illustrative instances. The theory also highlights how architecture has the power to enhance human interactions and evoke strong emotional reactions, especially when it comes to its examination of inner areas. By referring to interior rooms as "sublime compositions" and "total abstractions," for example, the author raises the reader's awareness of architecture on a deep and cerebral level.

A readership well-versed in architectural styles and history is assumed by Goldberger's theory, which necessitates a sophisticated grasp of concepts like the Doric and Corinthian orders as well as acquaintance with personalities like Frank Lloyd Wright and Thomas Jefferson. These presumptions on Page 2 are crucial foundational pieces for a meaningful discussion of the topic. They do, however, also impose a high barrier to entrance into the discourse, assuming that the intended audience shares a certain degree of architectural literacy. Goldberger takes this basic understanding of architecture for granted. The author's awareness of architectural styles, historical relevance, and the complex dance between pragmatic and aesthetics within the discipline are assumed to be shared by the readership. Although this premise opens the door to an interesting and thought-provoking investigation of the theory, readers who are not familiar with architectural history or jargon may find it difficult to follow. According to the theory, the traditional understanding of architecture is something that cannot be taken for granted. It addresses this perspective as problematic, pushing the reader to reevaluate their assumptions and gain a deeper understanding of the profound and complex significance of architecture. By defying convention, Goldberger forces a reexamination of the standards by which architecture is measured and appraised, especially in regard to its influence on experiences and the surrounding environment. When it comes to language, Goldberger's work is a skillfully put together tapestry of words, with each selection supporting the main idea. Architecture is described, but metaphorical language goes beyond that. Examples of such language are "sublime composition" and "total abstraction," which are used to describe architecture. These metaphors are effective tools that help readers go above language barriers and think more deeply and philosophically about architecture. The author uses language in a way that not only expresses meaning but also arouses feelings and images, making for a rich and engaging reading experience. Comprehending Goldberger's use of imagery in his writing becomes essential to comprehending his persuasive techniques. The framing techniques on Page 3 are both literary and visual, and they include historical allusions and architectural models. Images of famous buildings are interspersed throughout the book to support the author's claims and offer concrete proof of the transforming power of design. By appealing to the reader's visual sense, these pictures function as visual aids, strengthening the text's persuasiveness. A smooth transition between words and images is produced by the thoughtful incorporation of images into the text, which enhances the reading experience as a whole. The text's font and graphic design also influence how impactful it is. The arrangement reflects the formal, academic tone of the writing, adding to the text's overall gravity. A cadence that leads the reader through the story is created by the thoughtful use of visually appealing historical allusions and architectural images.

The writing is a skillfully planned composition that reflects the magnificent quality the author ascribes to architecture rather than a disorganized mess of words. Deconstructing particular word selections is crucial to comprehending Goldberger's persuasive strategies. Terms employed as metaphors, such "sublime composition" and "total abstraction," add to the text's feel and texture. These decisions raise the conversation and inspire readers to see architecture as a meaningful and artistic force rather than just a practical tool. The text has a deep texture, and each word was chosen with care to evoke awe and reverence for the subject. The author's careful attention to rhythm and tempo further shapes the piece's texture. The story develops at a slow pace so that readers can take in the details and consider the importance of each point. The book is leisurely and encourages readers to ponder the concepts it presents, reflecting the thoughtful process of appreciating architecture.It becomes clear as the examination goes on that Goldberger's claims go beyond the practical concerns of design. According to the notion, there should be a paradigm shift in the way that architecture is viewed, with an emphasis on seeing interior spaces as legitimate art forms that enhance their surrounds. The author urges readers to reevaluate how they interact with the built environment, highlighting the need for designs that may inspire and thrill in addition to meeting functional needs.Goldberger's idea stands out as a relevant reminder of the intrinsic creative and cultural worth incorporated in the work of architects and designers in an era where these professionals are increasingly adopting ecological and innovative design approaches. The essay emphasizes the significance of finding a balance between artistic expression and practicality and argues in favor of designs that enhance society's aesthetic and cultural fabric.

The final chapter considers the lasting value of architectural theory in transforming understandings of the built environment. The concept that architecture is an active force that shapes our feelings, experiences, and cultural identity rather than a passive background is effectively communicated by Goldberger's theory.It promotes a reassessment of architecture, stressing the importance of realizing its creative potential, finding a careful balance between form and function, and recognizing the significant influence of interior spaces. Goldberger's thesis serves as a light of guidance as the architectural landscape changes, encouraging investigation of the complex craftsmanship hidden in plain sight. It challenges readers to explore the depths of architectural meaning and appreciate the enormous impact this kind of art has on modern society. The thesis emphasizes the idea that architecture, despite being mostly spoken, has a strong influence that molds the core of our existence. The book 'Why Architecture Matters?' by Goldberger provides a thorough explanation of the architecture's continuing importance as a dynamic force deserving of our consideration and attention. This hypothesis is a sad reminder to look below the surface in a society when it is easy to take the built environment for granted. It invites readers to recognize the artistry that surrounds us both inside and outside of the structures that determine who we are. The idea as a whole creates an immersive experience for the reader, going beyond simply making arguments about the significance of architecture.

04 Reimagining Community Care

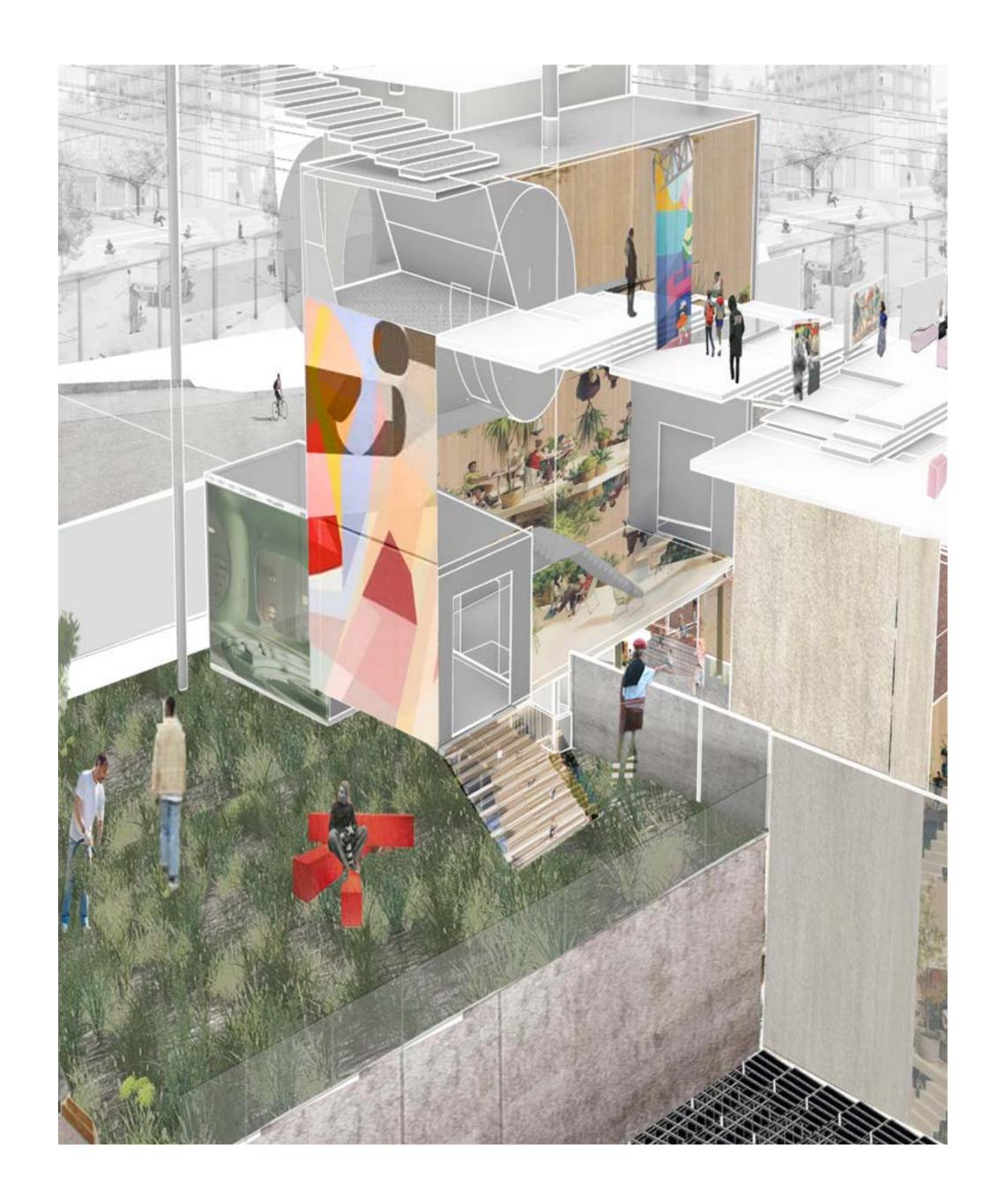
Category : AAD Studio IV/ Speculative City Studio

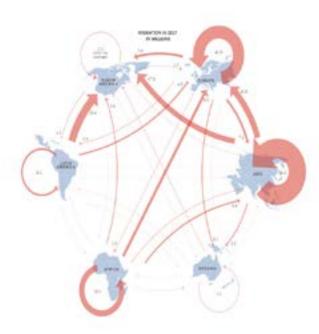
Instructor : David Eugene Moon : 12 weeks/Summer 2023

Period

in collaboration with Harshini Ashok

The Reimagining Community Care project is a visionary endeavor that challenges traditional notions of architecture and expands its role to encompass comprehensive care, social justice, and community empowerment. By revitalizing the Coney Island Historic project's spaces and history, this transformative initiative will bring together celebrated communities, fostering a deeper understanding of their significance and nuances. The project goes beyond conventional maintenance, emphasizing comprehensive care that encompasses social interactions, cultural practices, and intersectional perspectives, integrating ecology, economics, social justice, feminism, and politics. Through a collaborative and participatory process, we aim to create a prototype that fosters egalitarian relations among stakeholders, leading to lasting impacts and potential replication elsewhere..





Bridging the Gap

Migrants are on the rise around the world, and myths about them are shaping attitudes. Migration is a feature of social and economic life across many countries, but the profile of migrant populations varies considerably. In part this is because of the variety of sources of migration. In much of Europe, for example, citizens enjoy extensive rights to free movement. In Australia, Canada and New Zealand, managed labour migration plays an important role. Other sources include family and humanitarian migration. Whatever its source, migration has important impacts on our societies, and these can be controversal.

world migration graph New York Times, 2018



The infamous Demolition

It is arguably the world's most well-known photograph of a demolision. Pruitt-ligor was a huge multi-unit housing development designed to create a vibrant new home for thousands in a deprived area of St. Louis, Missouri. However, after its completion in 1956, the 33 apartment blocks quickly began to deteriorate, with poor maintenance and rising clime making them unhealthy and dangerous for residents. When the entire development was demolished in the 1970s, this image became — rightly or wrongly — an enduring symbol of architectural failure. Some of the complexities and misconceptions about Pruitt-Igoe are addressed in Chad Freidrichs' documentary "The Pruitt-Igoe Myth".

Architect Minory Yamasski State Historical Society of Minor



Verticality

Brighton Beach has been the home for immigrants since the 1900s when the first fluropean Jews settled in this beachfront community. The community humaned with the sounds of Yiddish for a number of decades, but one day the children of these first settles grew up and moved out. Today Brighton Beach Avenue, the main commercial strip, is bustling. They have numerous Russian Nightclubs and restaurants, which could rival Manhattan dubs of the 1930s when long-legged statussique dancers framed in huge colorful feathers ascend onto the stage to enchant. Walking through Brighton Beach is much like viewing a kaleidoscope, which is ever changing, yet ever exciting.

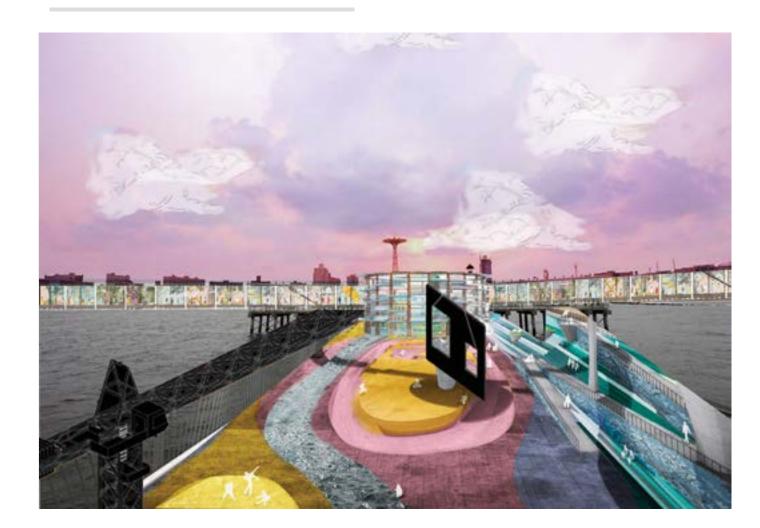
Motors Highlights https://www.pts.org/wgsh/lamencanesperience/festures/historic-highlights/



Informal communities

Tone David is an unfinished skyscraper in Caracas, Venezuela, which was occupied by thousands of squatters after construction was halted due to financial problems. This infamous 'vertical slum' came to symbolize the systemic failures of the Venezuelan government, but also illuminated the resilience of transient communities that created a life for themselves inside this looming edifice, Baan's photo of the building's exterior perfectly captures this, its patchwork of makeshift windows and balastrades hinting at activity within.

Photographer lean Baan Architect Enrique Glanez https://architect.com/plog/ampration/reflections/photographs that changed-architecture/

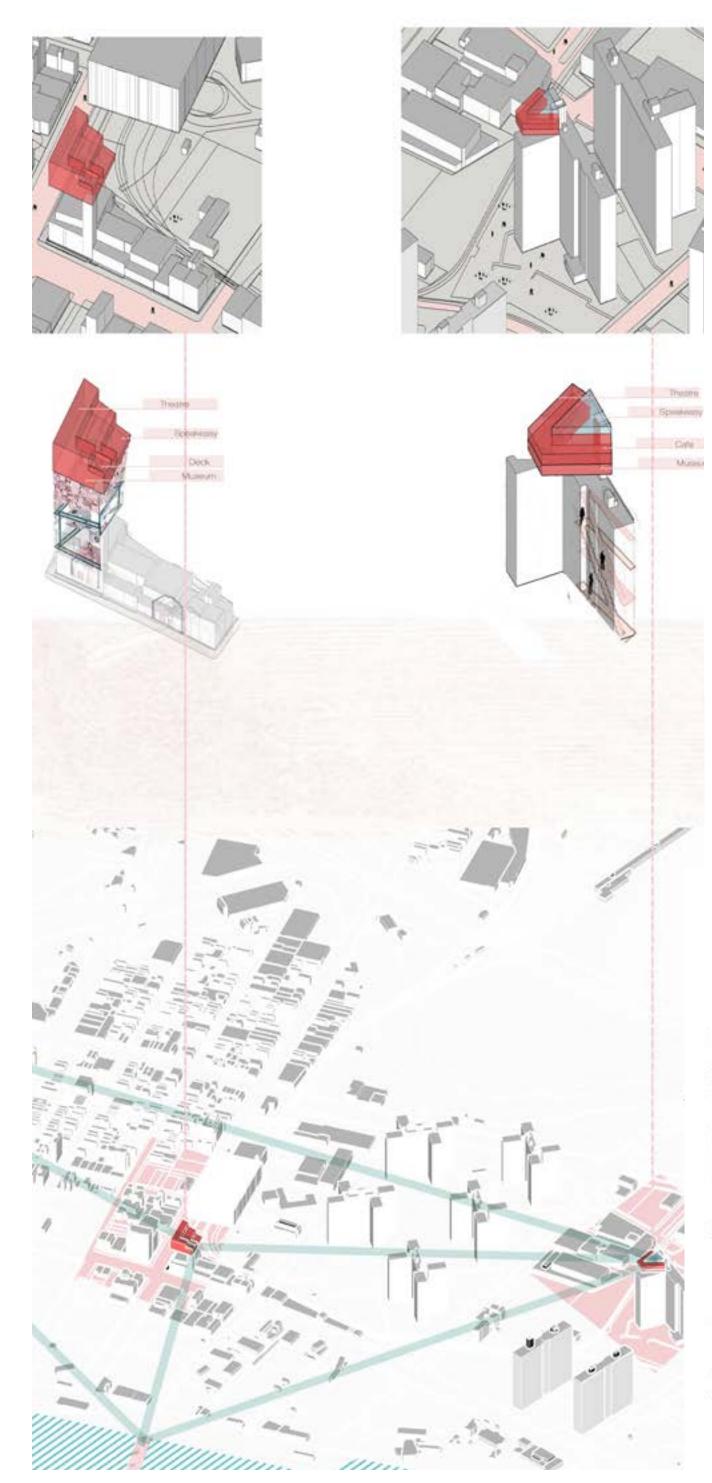


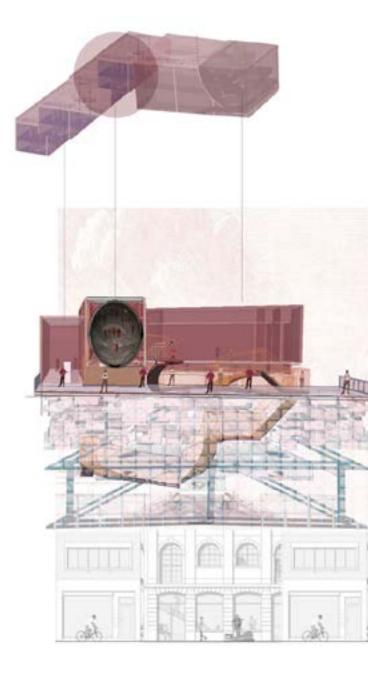
Summer 2023

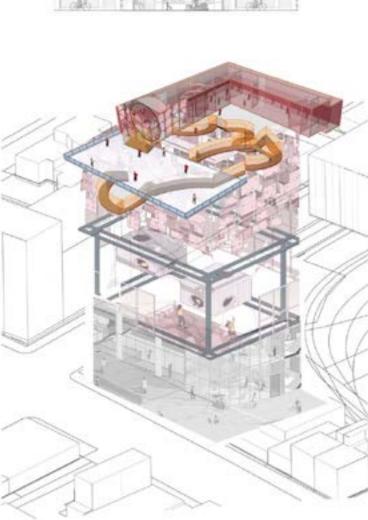


Analysis: Juxtaposition of the entire coney island over the selected area higlighting the stretch where major community intersection





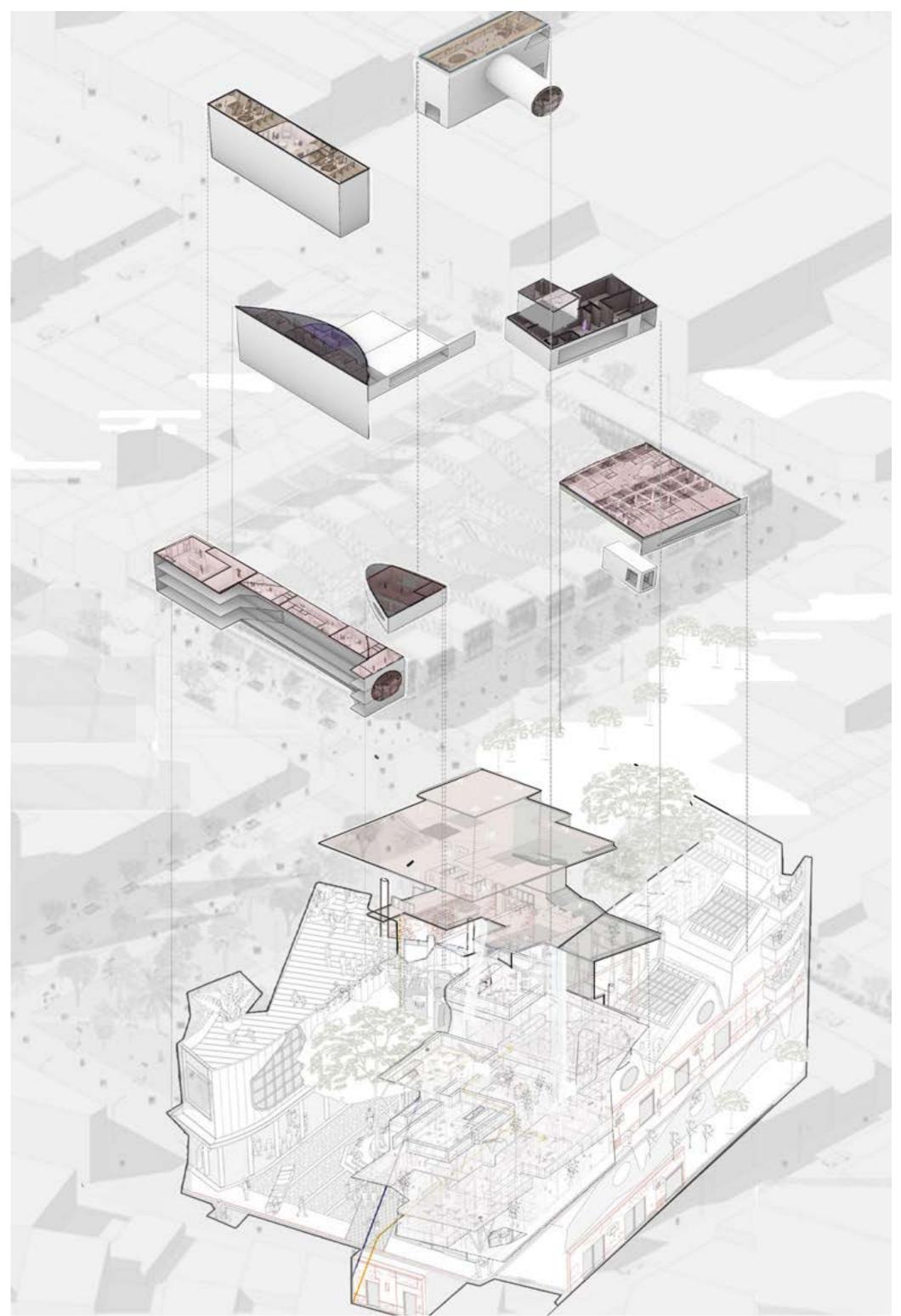


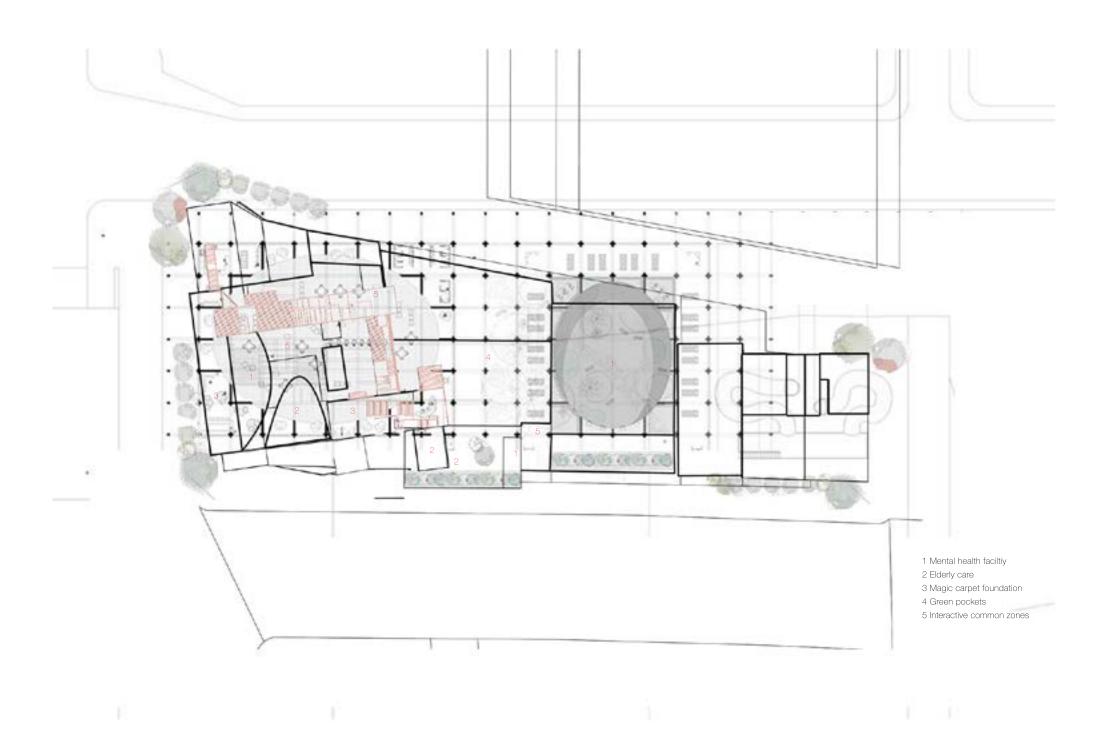


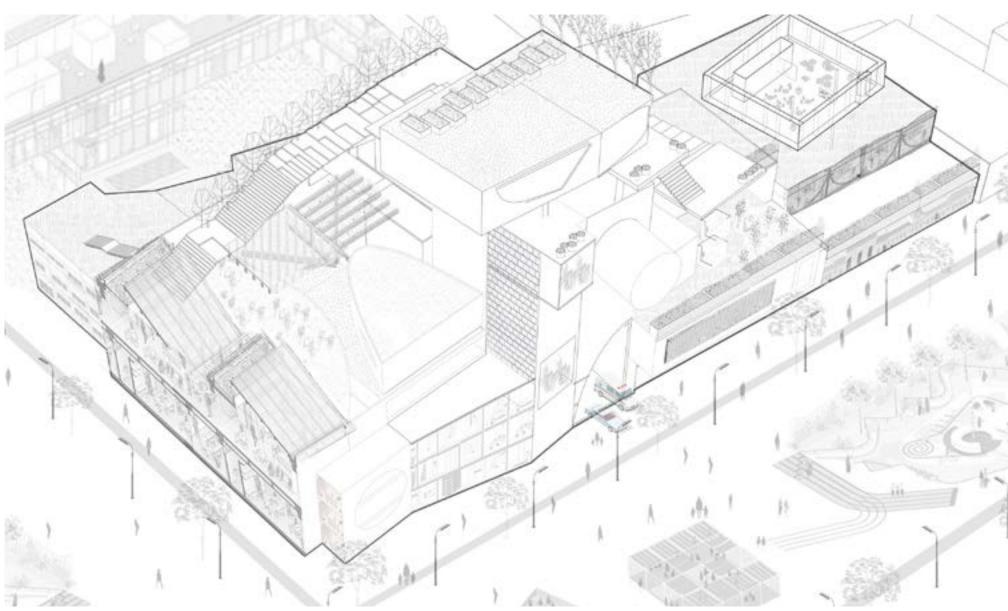
Summer Adv Studio

MS AAD









Axo showing the existing structure with the proposed functions

Axo showing the proposed project and street intervention









Exterior view from the street

Physical Model

MS AAD

Summer Transscalariti

05 A blend of permanence and transience

ANT FARM's Convention City ingeniously tiptoes on the tightrope of satire, playfully mocking the conformity of urban architecture while waltzing hand in hand with the scripted nature of politics and entertainment. Like a mischievous city planner on a copy-paste frenzy, the installation perpetuates an unending cycle of banality. The miniature buildings, meticulously placed and indistinguishable from one another, evoke a soul-crushing sense of stepping into yet another generic metropolis. This clever commentary on the monotony of our built environment leaves us both amused and introspectively unnerved.

But within this seemingly mundane world of tiny structures, a more profound parallel emerges—a parallel that connects the bustling urban landscape of Convention City with the harmonious collaboration of cells within our own bodies. Just as cells work together to form tissues and organs, the buildings within Convention City unite to create a vibrant and dynamic cityscape. ANT FARM's architects, in a whimsical fusion of disciplines, draw inspiration from the very essence of life itself, channeling their inner biologists with a touch of artistic panache. With an astute understanding of life's underlying principles and structures, they infuse their creations with more than just a representational or metaphorical nod to biology. Instead, they harness the inherent complexities and interdependencies found in the natural world, seamlessly integrating them into their architectural vision. It's a delightful and intellectually stimulating convergence of biology and urban design, igniting our imagination and challenging our perceptions of the world around us.

MS AAD
Summer Transscalarities

As we enter the domed realm of political spectacle, Convention City transforms into a stage where politicians, delegates, and spectators engage in a captivating dance of political performance art. Boundaries between reality and theatricality blur as politicians meticulously rehearse their speeches, carefully scripted and primed for the cameras. ANT FARM's vision of exposing the scripted nature of political coverage becomes a theatrical microscope, revealing the inner workings of the theatrical cell that is politics. It serves as a gentle reminder that politics and entertainment often intertwine, as politicians choreograph their performances and the media amplifies the spectacle. But it doesn't end there; ANT FARM invites us, the viewers at home, to participate in this democratic spectacle. Through their vision of an interactive experience, we are encouraged to talk back to our televisions, adding a layer of comedic anticipation to the proceedings. The joy of yelling at politicians through the screen, as if they can hear our frustrations and witty comebacks, is both humorous and cathartic. It is in this comical reflection on the complexities of human communication that we find ourselves caught between the absurdity of the situation and the realization that our voices, even if only metaphorically, hold the power to influence the political discourse.

Convention City, in its entirety, presents us with a whimsical and thought-provoking comparison. It connects the structural uniformity and sameness within the installation to the repetitive nature of human cells. It explores the adaptability and responsiveness of both Convention City and cells to their respective environments. And it invites us to engage in a comical dialogue with politicians, reminiscent of our bodies' intricate communication pathways.

In a whirlwind of wit and architectural rebellion, ANT FARM's Convention City emerges as a satirical marvel, poking fun at the replication and scalability madness of urban architecture. With a scale reminiscent of "Gulliver's Travels," ANT FARM's Convention City joyfully exposes the absurdity of copying structures, effortlessly navigating between the towering giants of power and the Lilliputian automatons. In a captivating interplay, ANT FARM astutely illustrates how grandiose ambitions clash with mindless conformity, unmasking the structures we admire as mere marionettes on strings. The parallel between the bustling cityscape and the harmonious dance of cellular collaboration delves deeper than meets the eye, inviting us to ponder the role of cell components and their implications for scalable models. Could this metaphor extend to the enigma of the in-between—our own bodies? In this theater of politics, where socio-political structures are squeezed into confined spaces, the microscope takes center stage, becoming a revolutionary lens for architects to reinvent their relationship with the stage. And as we unleash our cathartic shouts at politicians through the screen, we challenge the very conventions that govern our engagement with these spectacles. ANT FARM's Convention City demolishes conformity, sparks architectural metamorphosis, and sets ablaze a transformative spectacle at the nexus of architecture, politics, and theater.

MS AAD Spring Building Science and Technology Elective

06 Exhale

engage with its innovative features.

Category : Building Science and Technology Elective/ The Outside in Project

Instructor : Galia Solomonoff/ Laurie Hawkinson

Period: 15 weeks/Spring 2024

At the heart of this architectural vision lies a balanced integration of various design elements to create a cohesive whole.

A new addition, with sleek curvature, enhances connectivity with its surroundings. Positioned closer to its counterpart, it fosters a stronger relationship with the environment.

An innovative inflatable design takes a playful approach, engaging with the surroundings through carefully positioned windows. Inside, it transforms into a versatile space, reflecting the immersive qualities of its environment.

Internally, the pavilion features practical elements such as sustainable lighting panels for energy efficiency. Projection adds visual interest, enhancing the overall experience. This design aims for a harmonious blend of functionality and interaction, inviting everyone to

Spring Building Science and Technology Elective MS AAD



A continuous spiral

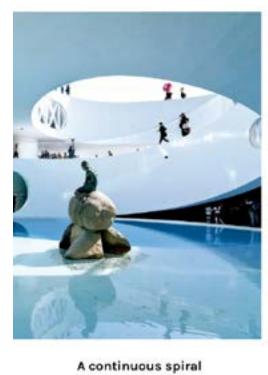








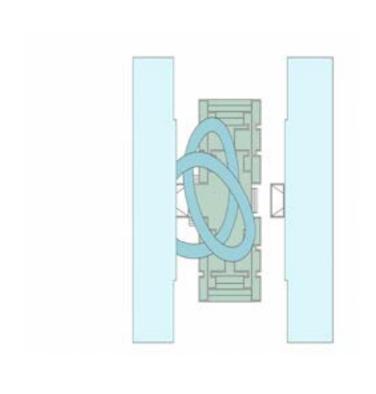












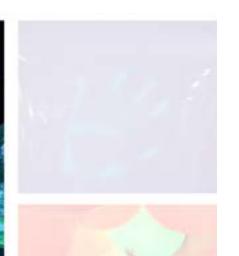






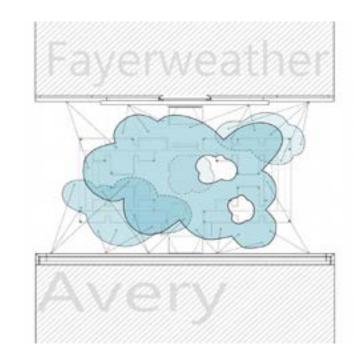




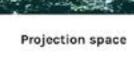














A sense of touch









A continuous spiral



Participates in interior















MS AAD
Spring Adv Studio

07 Good Delivery

: AAD Studio V/Afterimages: Volume 3

Instructor : Emanuel Admassu

Period : 15 weeks/Spring 2024

in collaboration with Erisa Nakamura

Restitution and reparation intertwine in the narrative of historical injustice perpetuated by the British Empire, particularly evident in the looting of objects and extraction of wealth from their colonies. This imbalance, deeply rooted in the exploitation of resources and labor, persists today. Meanwhile, institutions like the British Museum thrive on the stolen artifacts, emblematic of a legacy built upon cultural appropriation.

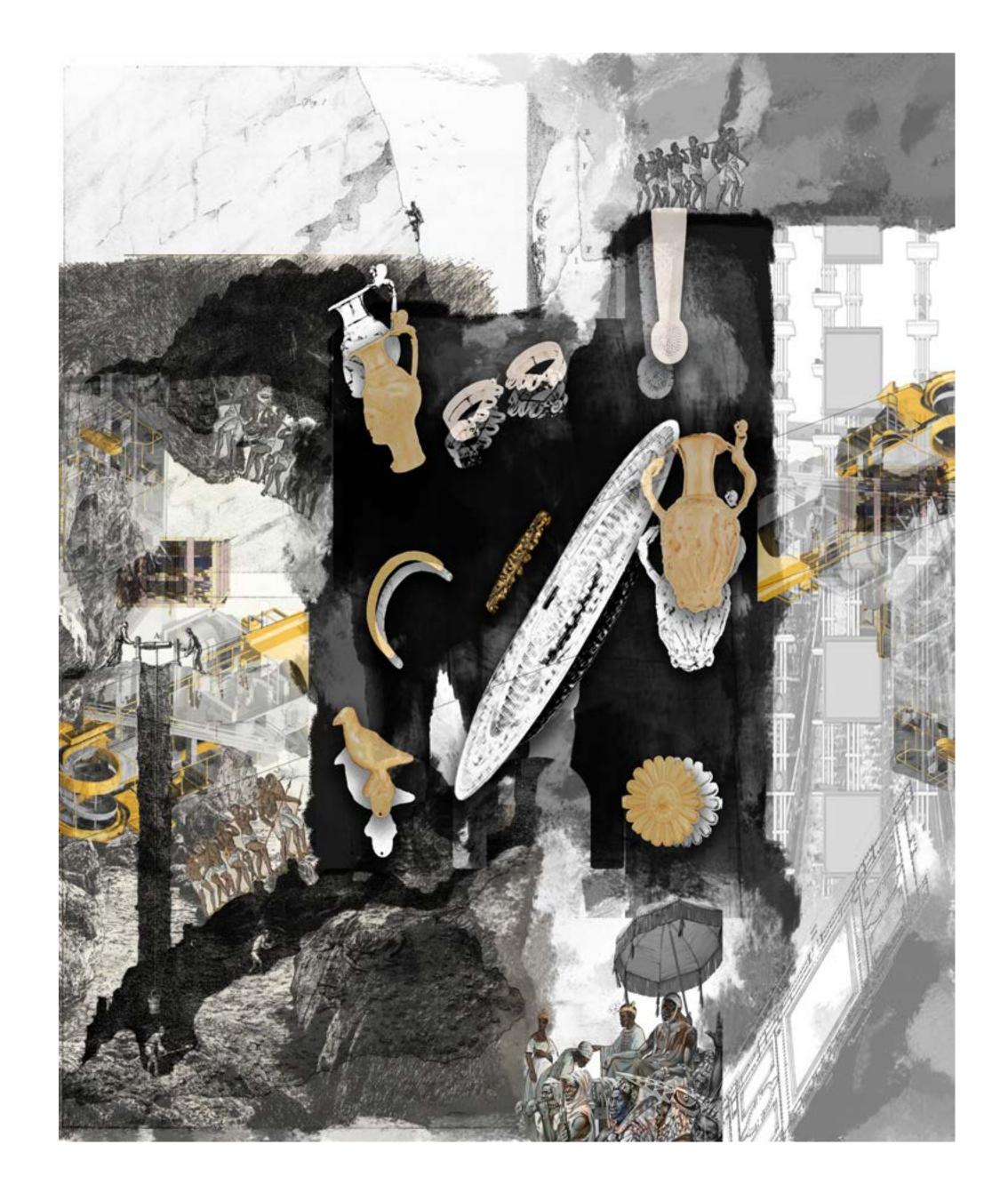
London, symbolizing the pinnacle of imperial wealth, has a history entwined with gold. From the earliest gold rush in Brazil to the establishment of gold standards, the city has been the hub of global trade, facilitated by institutions like the Bank of England. Vaults beneath its surface hold billions in gold, much of which has origins in exploited territories like the Gold Coast, where the Asante Kingdom's regalia was plundered by the British.

As the British Empire expanded, so did its infrastructure, notably railways. Elephant and Castle station stands as a testament to this development, its arches once providing a lifeline for immigrant communities. However, gentrification now threatens these cultural networks, highlighting the systemic inequalities ingrained in British infrastructure.

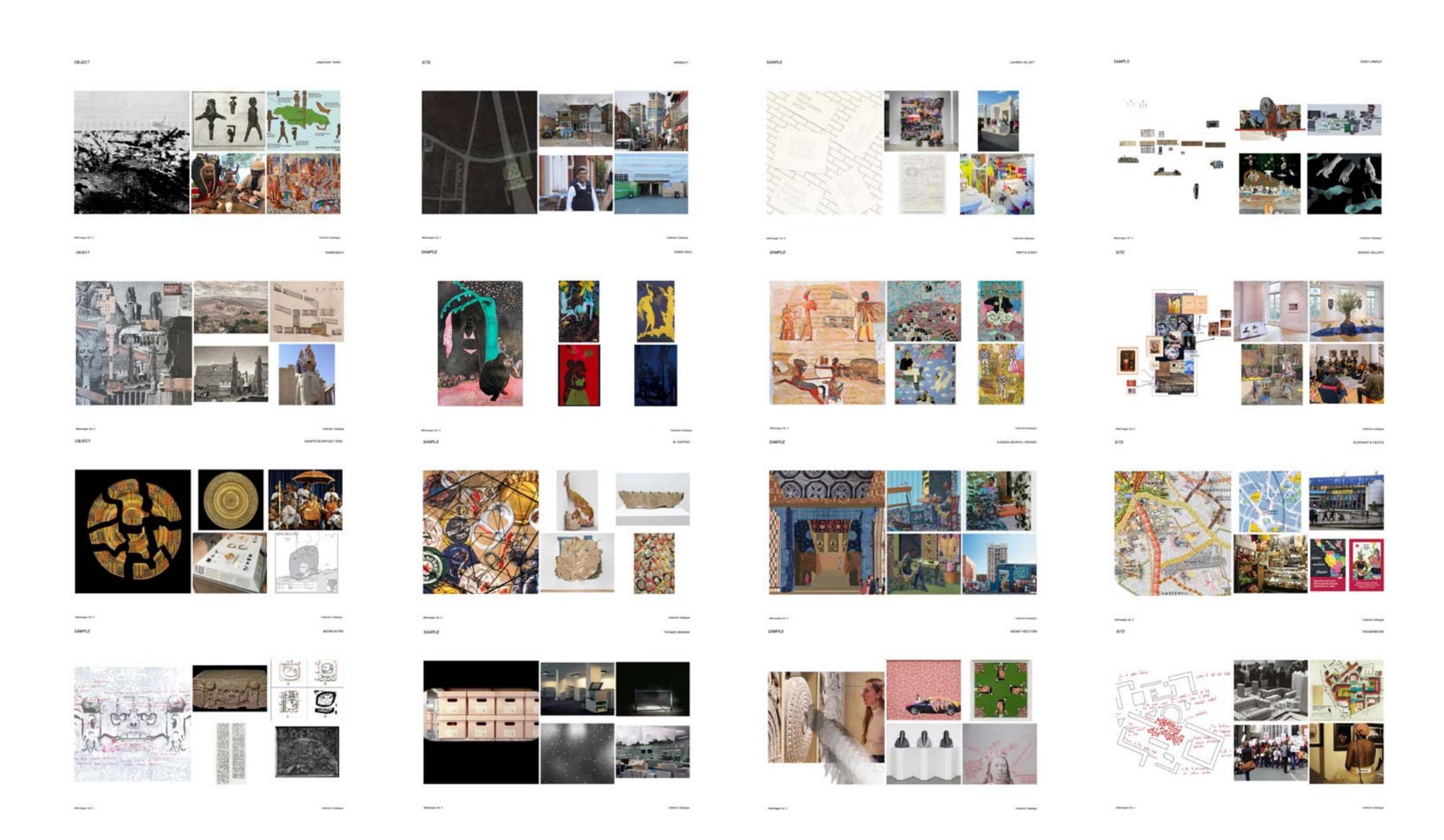
Our project envisions a radical shift towards restitution and reparation. Viaducts, symbols of empire, are repurposed into centers for restitution and reparation. These spaces investigate the origins of looted objects and refine gold extracted from colonial exploitation. Display case trains publicly return stolen artifacts to their rightful owners, challenging the authority of institutions like the British Museum.

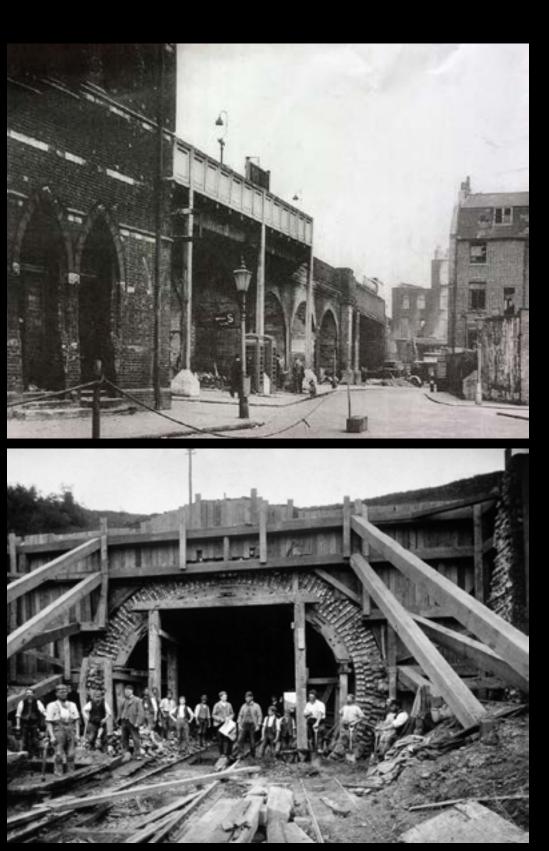
Community spaces above the viaducts offer diasporic communities a place to reclaim their heritage and envision a collective future. This project transcends physical transformation, embodying the reclaiming of identity and restoration of dignity. As reparation is reinvested into localities, the form of infrastructure remains open-ended, allowing communities to shape their own future.

By addressing historical injustices through tangible actions, this project confronts the legacy of colonialism and paves the way for a more equitable future.

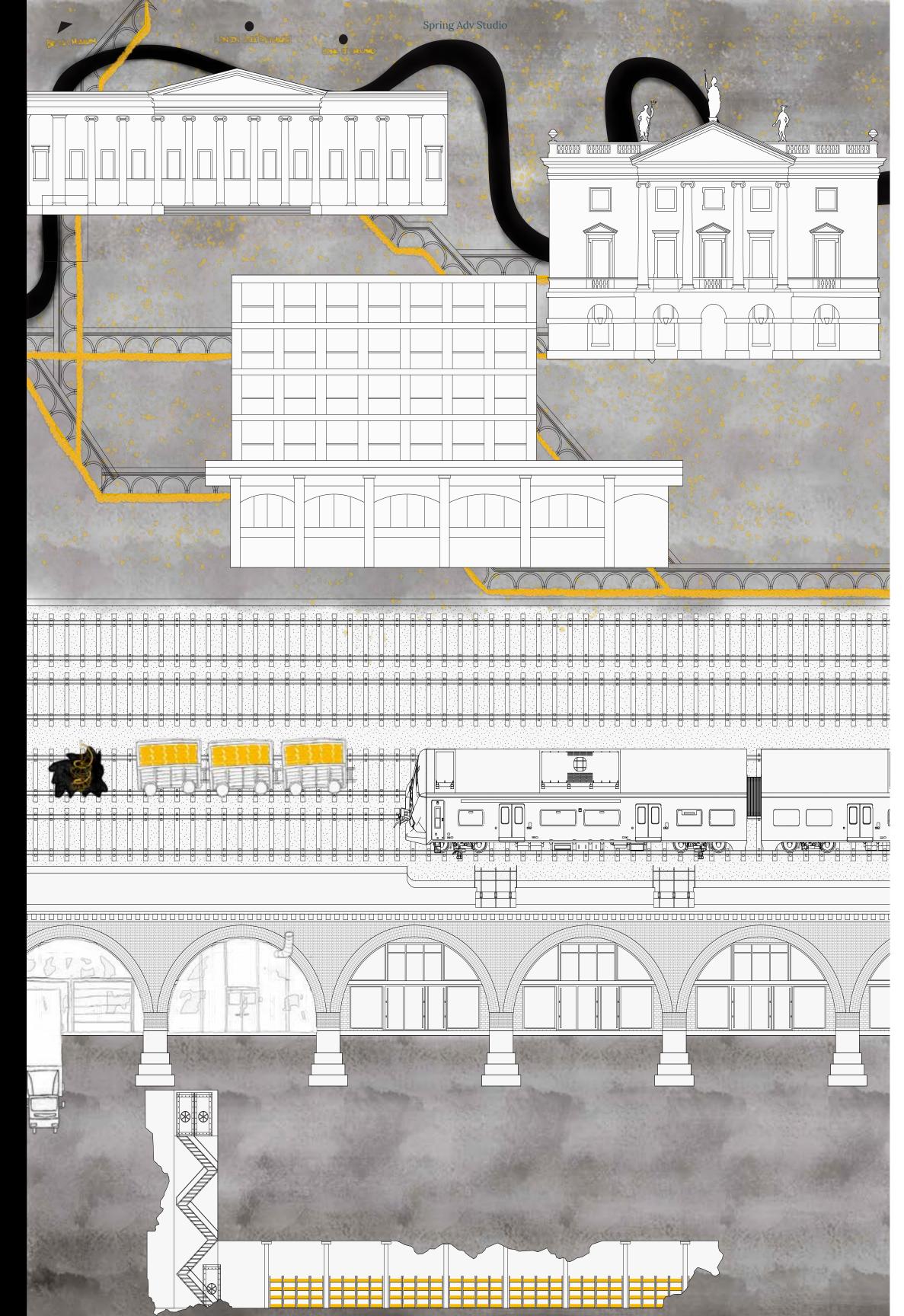


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Initial intervention on site: pawn shops and material factory strategically placed between existing restaurants and shops

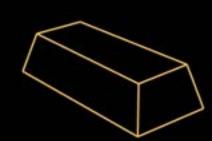


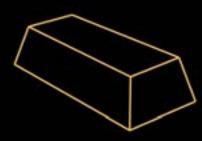


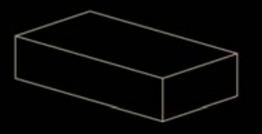


ı gold bar

1 gold bar = 940,000 victorian brick

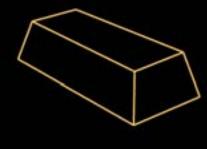






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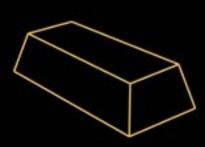
Reparations to Jamaica



= \$10.6 billion

x 11,300 bars

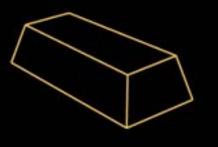
Reparations to diaspora of enslaved Africans



= \$100 trillion

x 106.4 million bars

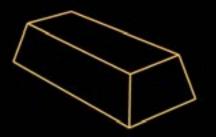
Reparations to Caribbean



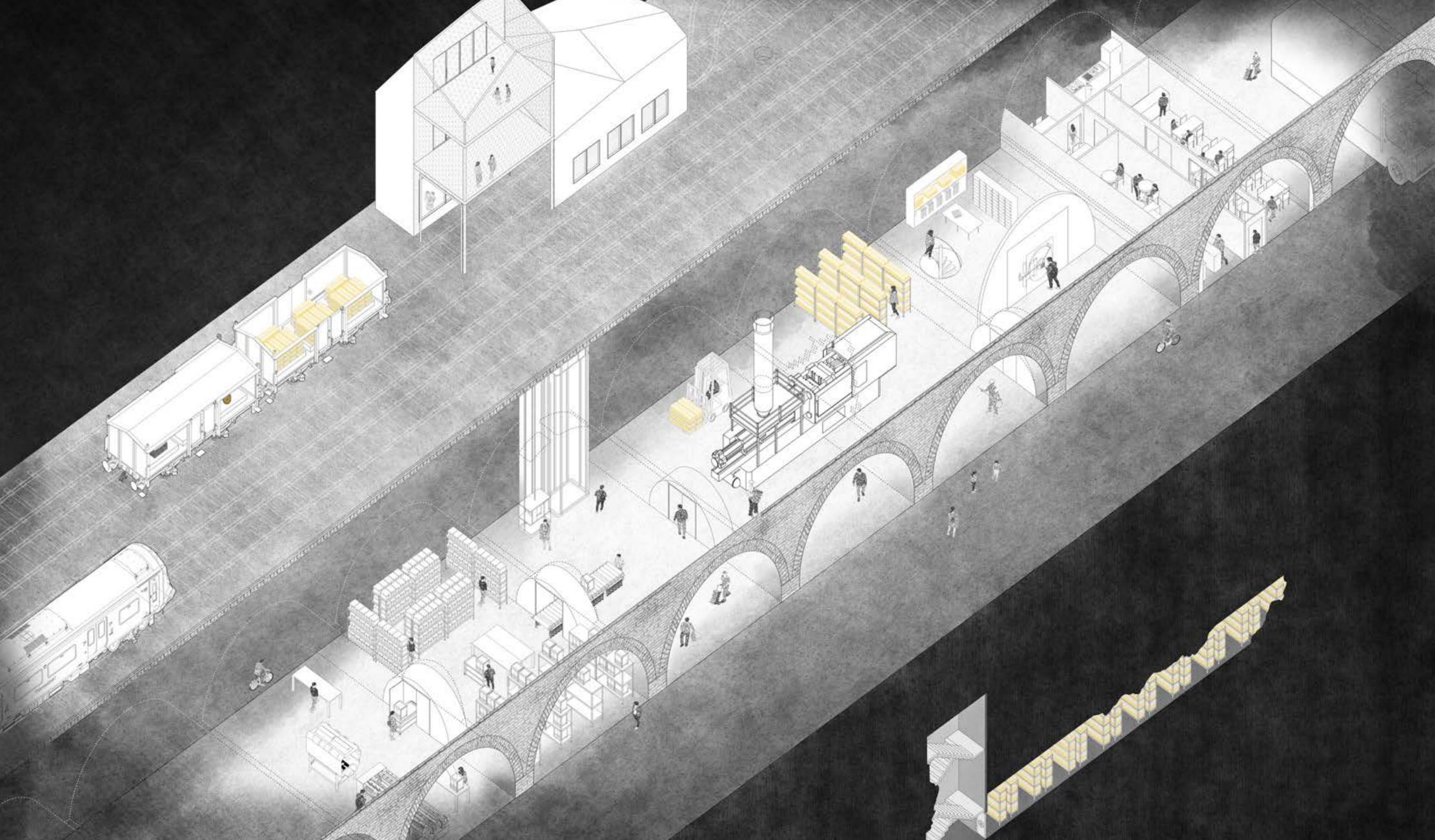
= \$50 billion

x 53,200 bars

Immeasurable Loss







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