

Elle Qirui Fang
Collected Architecture Works
2020 – 25

Yale University
Pratt Institute

EDUCATION

Master of Architecture (M.Arch II)
Yale University, NH, CT, USA | 08.2025 - 05.2027
CCAR (Council for Canadian American Relations) Colman Scholarship 2025–26.

Bachelors of Architecture (NAAB) & Minor. Sustainability Studies
Pratt Institute, BK, NY, USA | 08.2020 - 05.2025
Highest President's Honors & Outstanding Scholarship Awards

CONTACTS

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www.linkedin.com/in/qf-fang/
www.qr3lf.com/portfolio

EXPERIENCES

Ennead Architects
06.2024 - 08.2024, 2025 | NYC, US
Architectural Design Intern

NYC Future: Wind Power & Waterfront
08.2022 - Present | NYC, US
Research Associate

Pratt Institute School of Architecture
03.2024 - 02.2025 | BK, NY, US
Undergraduate Chair's Assistant

Competition, Healthcare, Culture

Fabrication, Design, Exhibitions

NAAB Accreditation Support

- Contributed to four international competitions and a major renovation RFP, with a focus on museum and bio-health lab design.
- Produced models, drawings, and diagrams within two weeks for the winning proposal of a historic Robert Venturi landmark.
- Created physical models and mockups for client presentations and firm exhibitions, supporting design communication.
- Led LEED documentation efforts, generating sustainability diagrams and visualization assets to streamline project workflows.

- Developed models for a 2,500 sq. ft. adaptive deployable waterfront structure, expanding the research archive with four new chapters
- Co-developed Grasshopper scripts for 3D robotic arm 1:1 3D printing, optimizing fabrication workflows for wind channeling facade panels.
- Curated and executed NYC Future Perfect Waterfront, a series of pop-up exhibitions across New York City, including the AIA Center for Architecture's "Making Energy Visible" event, featuring printed work and installation models.

- Standardized 100+ syllabi for 2025 NAAB accreditation, ensuring consistency in formatting and accessibility. Converted Adobe/Word files to Google Docs, optimized PDF exports, and implemented a tracking system using Sheets for seamless collaboration.
- Streamlined administrative processes to improve document management and accreditation compliance across multiple departments.

SKILLS

Digital Tools & Visualization:
Rhino, Revit, AutoCAD, SketchUp, Grasshopper, Adobe Suite (Full), Enscape, V-Ray, D5, Mid-Journey, Twinmotion, Maya, Blender, 3D Scanning.

Fabrication & Prototyping:
Woodworking, FDM 3D printing, robotic 3D printing, robotic arm, laser cutting, ZUND, CNC routing, casting, resin, and silicone molding.

CERTIFICATIONS & RECOGNITIONS

- 2025 Honourable Mention Thesis
- 2024 LEED Green Associate
- 2024 AIA Allwork Scholarship
- 2024 Architectural Travel Scholarship
- 2023 RIBA Bronze Medal Part1 Nominee
- 2023 MHDEA Honour Award

VOLUNTEERS

Photographer
01.2023 - 12.2025 | NYC, US

Teaching Assistant
08.2021 - 05.2025 | NYC, US

Youth Mentor
05.2021 - 08.2022 | VAN, CAN

AIA Center for Architecture, WIA.NYC
AIAS Pratt Chapter, Lookbooks

Pratt Institute School of Architecture

NPC College of Arts and Design

Covered 50+ events, including lectures, exhibitions, gallery shows, and fashion lookbooks, delivering high-quality photography for media and publications. Edited images using Adobe Suite, ensuring professional-grade photos for promotional and archival use.

Instructed 50+ first-year students one-on-one software guidance in Rhino, and Adobe Suite, for drawing, digital modeling, and fabrication techniques, ensuring foundational proficiency.

Taught 20+ architecture-focused lessons, offering early design skills and creative problem-solving. Mentored students applications, contributing to a 100% acceptance at top architecture schools in Canada and the U.S.

OTHERS

2025 Certified META Social Media Marketing Professional + Photographer
Specializes in events, architecture, and portraiture; supports visual storytelling and marketing content creation.

UA Archives Publications
2021-2026 | InProcess 26/27/28/29/30
Pratt Institute School of Architecture

01 Foundations

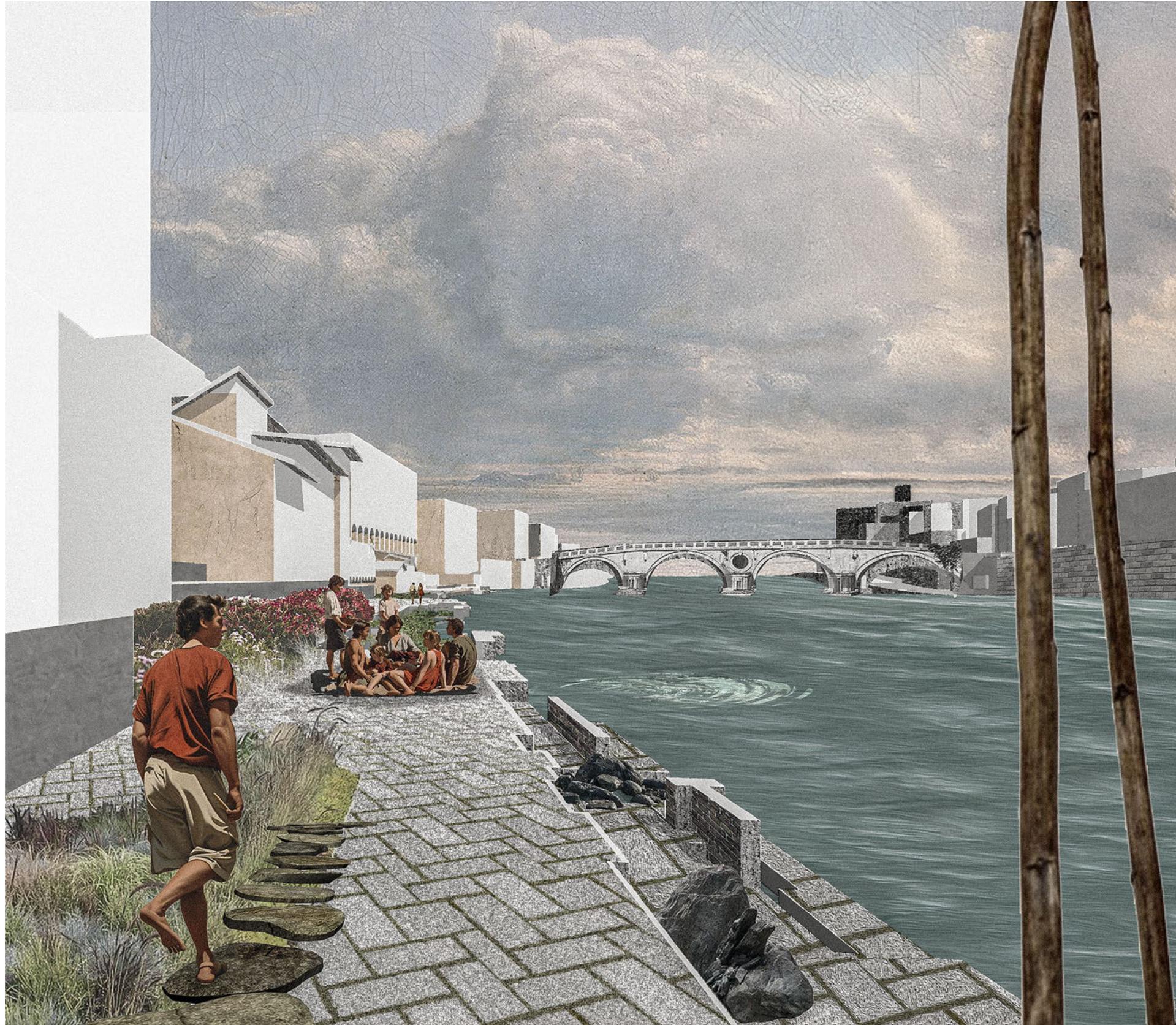
Tiber Edge Continuum_Rome Travel Scholarship
Parkside Play and Exchange_RIBA Bronze Medal Nomination Project
Marcy's Playtime
RETI Center Blue City_Design Build for Non-Profit

02 Speculations

Forge Photo Factory_Distinguished Advanced Studio Project Top Honors

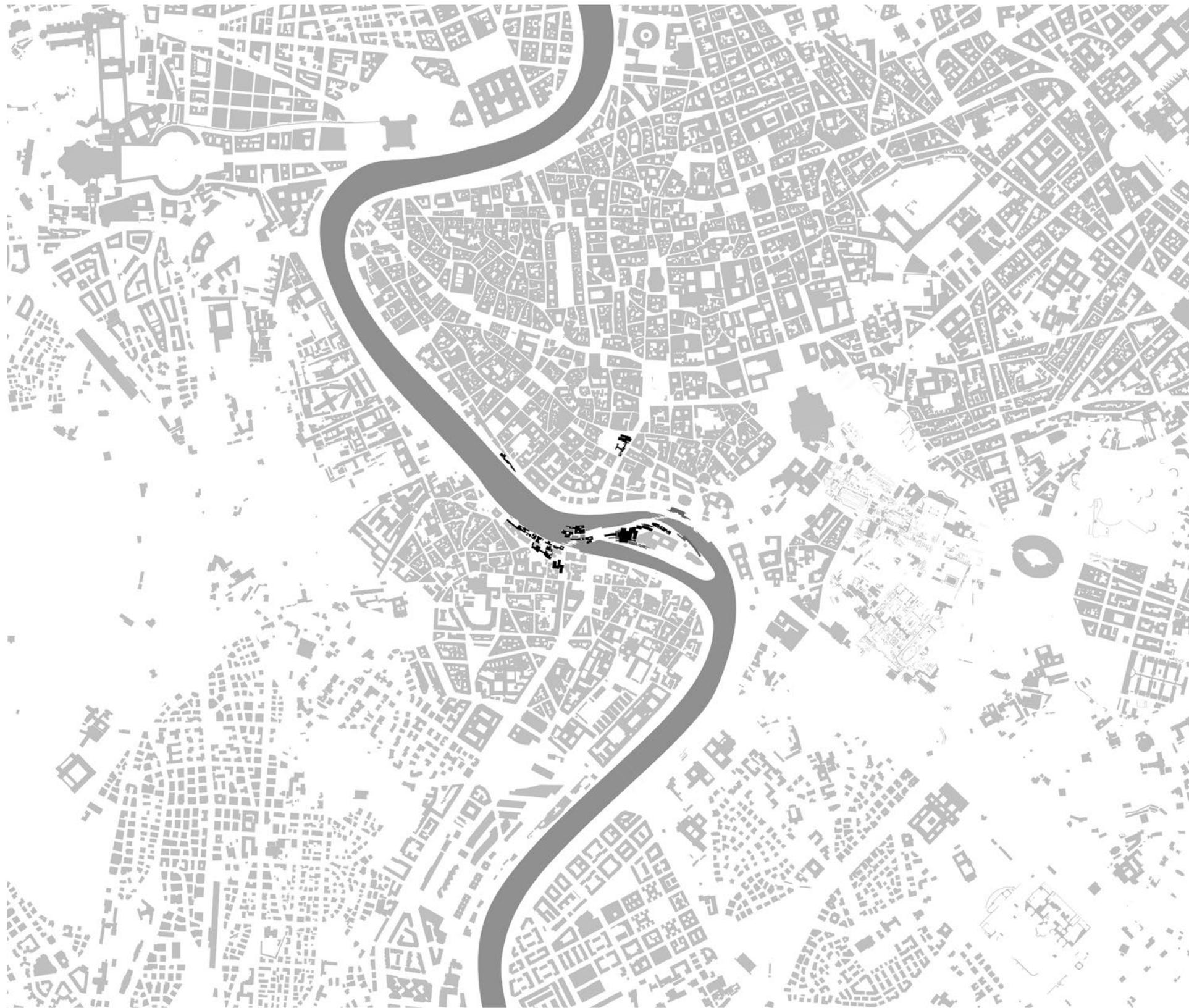
03 Research & Practice

NYC Future Perfect: Wind Power and the Waterfront
Work
Volunteering



Tiber Edge Continuum
Rome, Italy | Urban Planning | 2024

Reconnecting Rome with the Tiber transforms the riverfront from a hardened boundary into a vibrant public realm. Beginning in Trastevere, the proposal integrates schools with sloped pathways and new piazzas, fostering education and community engagement. Drawing on historical flood cycles, a network of stepping-stone crossings strengthens connections across the river, while the Tiber Institute on Tiber Island serves as a cultural and civic anchor. The project reclaims the Tiber as an accessible, dynamic urban space that bridges Rome's past and present. _Special thanks to the Donna and Martin Rich Architectural Travel Fund for supporting travel to Rome.



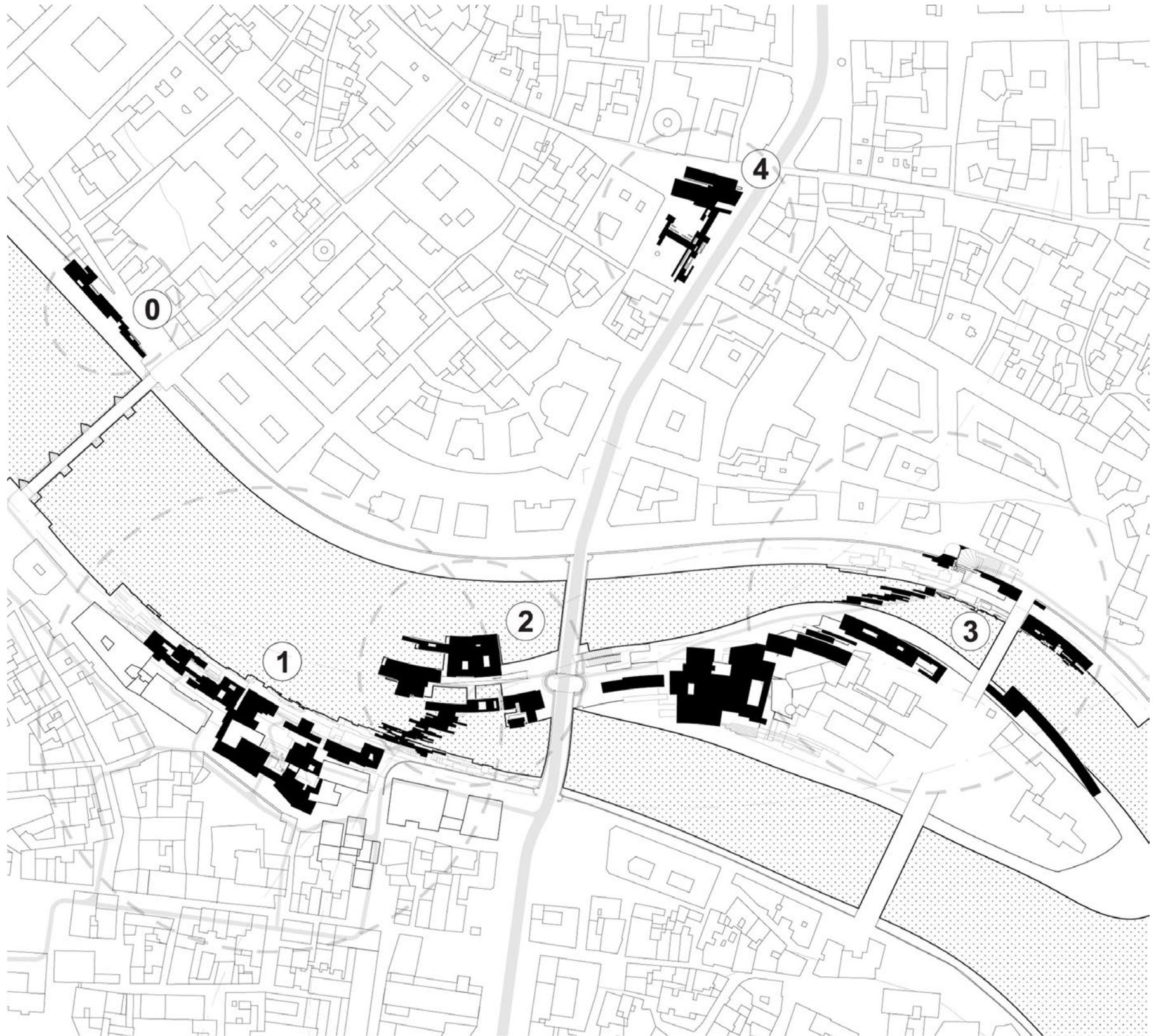
Rome Context Map

The construction of embankment walls along the Tiber River significantly altered the edge conditions of Rome. Built primarily for flood control, these walls introduced a sharp separation between the river and the neighborhoods, replacing the former gradual transition that once enabled direct interaction between residents and the water.

Top
Bottom

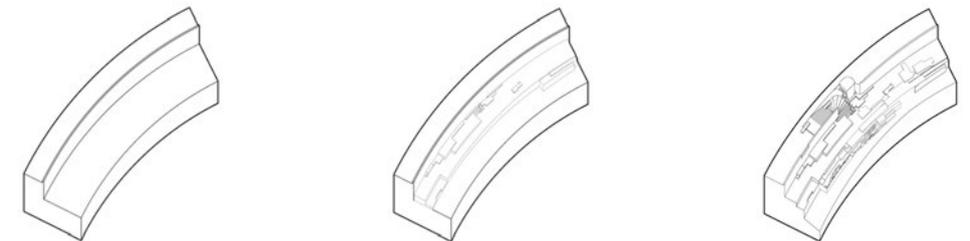
1747 _Giuseppe Vasi, Beach Known as the Regola
2024 _Faded River Connections: The City & the River





Zoom-in Masterplan: 0. Ponte Sisto Tourist Center, 1. School Complex, 2. Tiber Institute, 3. Riverside Public Piazza, 4. Tourist Center

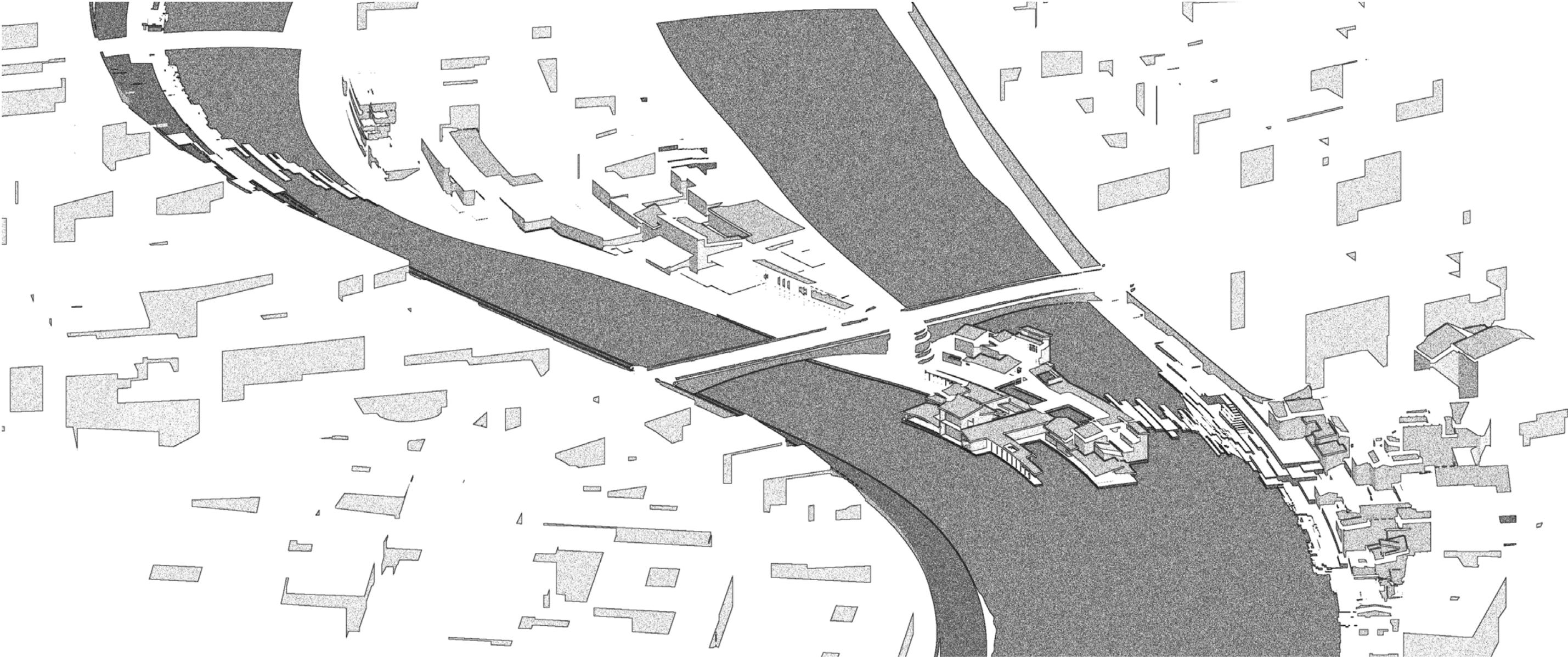
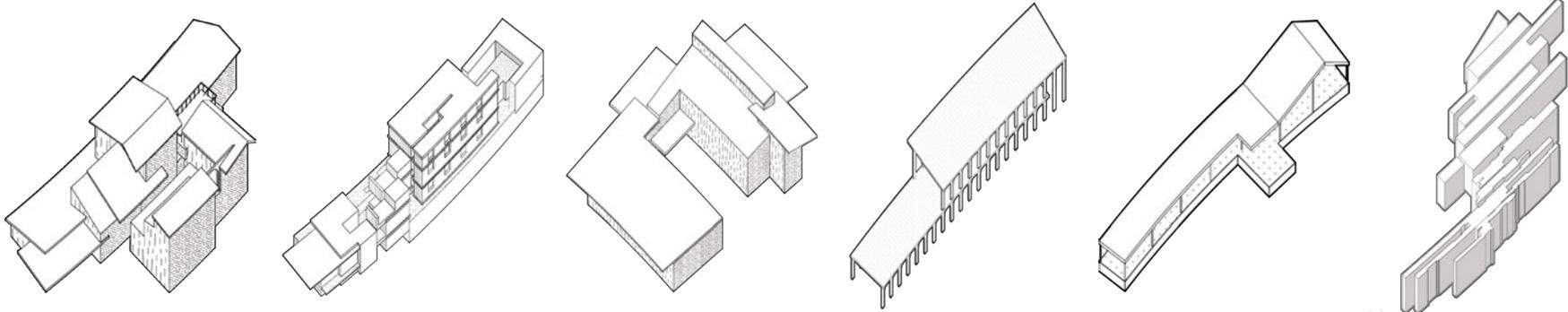
The project focuses on the area around Ponte Sisto and the urban fabric between Trastevere and Rome, a zone reshaped during Mussolini's redevelopment. In response, the proposal restores continuity by reweaving the site into Rome's urban and historical context through a transition from the top of the embankment to the lower ground and river's edge. This sequence extends across Tiber Island and reaches the opposite bank, forming a continuous civic landscape that reconnects the river to the city.



A continuous transition from the embankment wall to the ground and the river's edge.

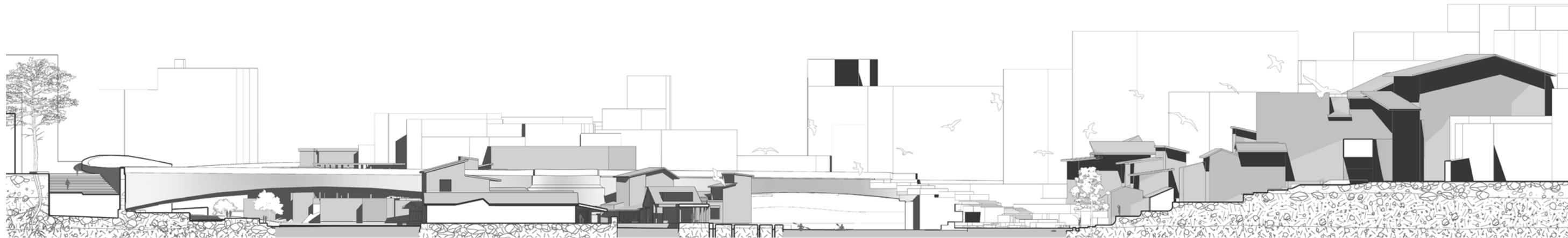
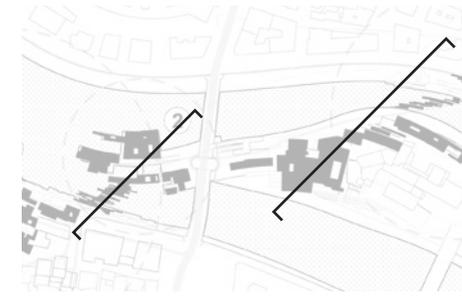
RIVER-DERIVED TOPOLOGY

The project derives its geometry from the curvature of the river, referencing the meander of Rome's Tiber. Tangential lines extracted from these curves are translated into stepped, topological forms, informed by northern Italian precedents, particularly Carlo Scarpa's sectional terracing, to generate layered spatial sequences.



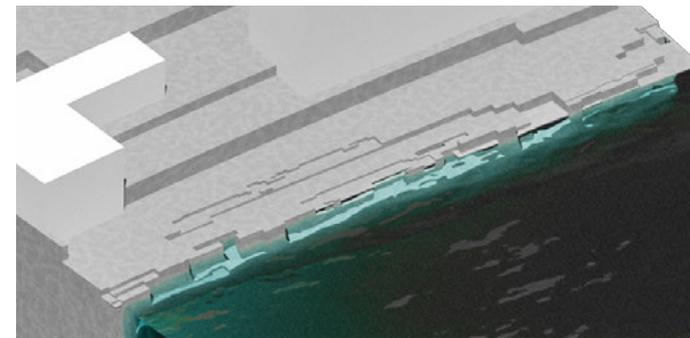
Master Plan Axonometric

Site Section Drawing : From Left to Right: Riverside Public Piazza, Tiber Institute, Riverside Public Piazza, School Complex

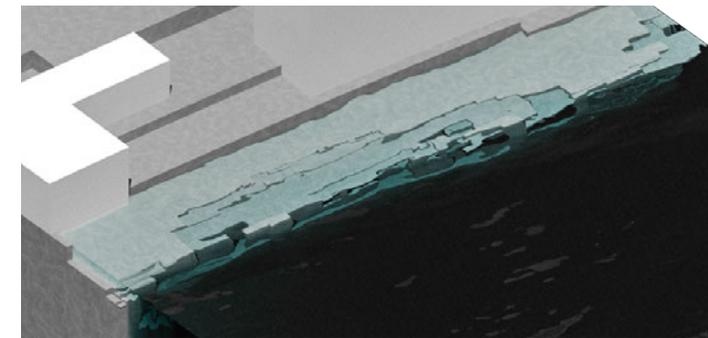


SECTIONAL LINKAGE ACROSS THE TIBER

The section spans Trastevere to Rome's southeast bank, organizing school complexes, public water plazas, and stepping-stone bridges that extend Tiber Island into a new Tiber Institute, transforming the island into an accessible civic ground along the river. The plazas adapt seasonally to fluctuating water levels, shifting between dry terraces and shallow basins. On the opposite bank, the sequence connects to the existing hospital through a water-plaza threshold and returns to the city fabric via elevated terraces, stitching institutional infrastructure into a continuous public landscape.



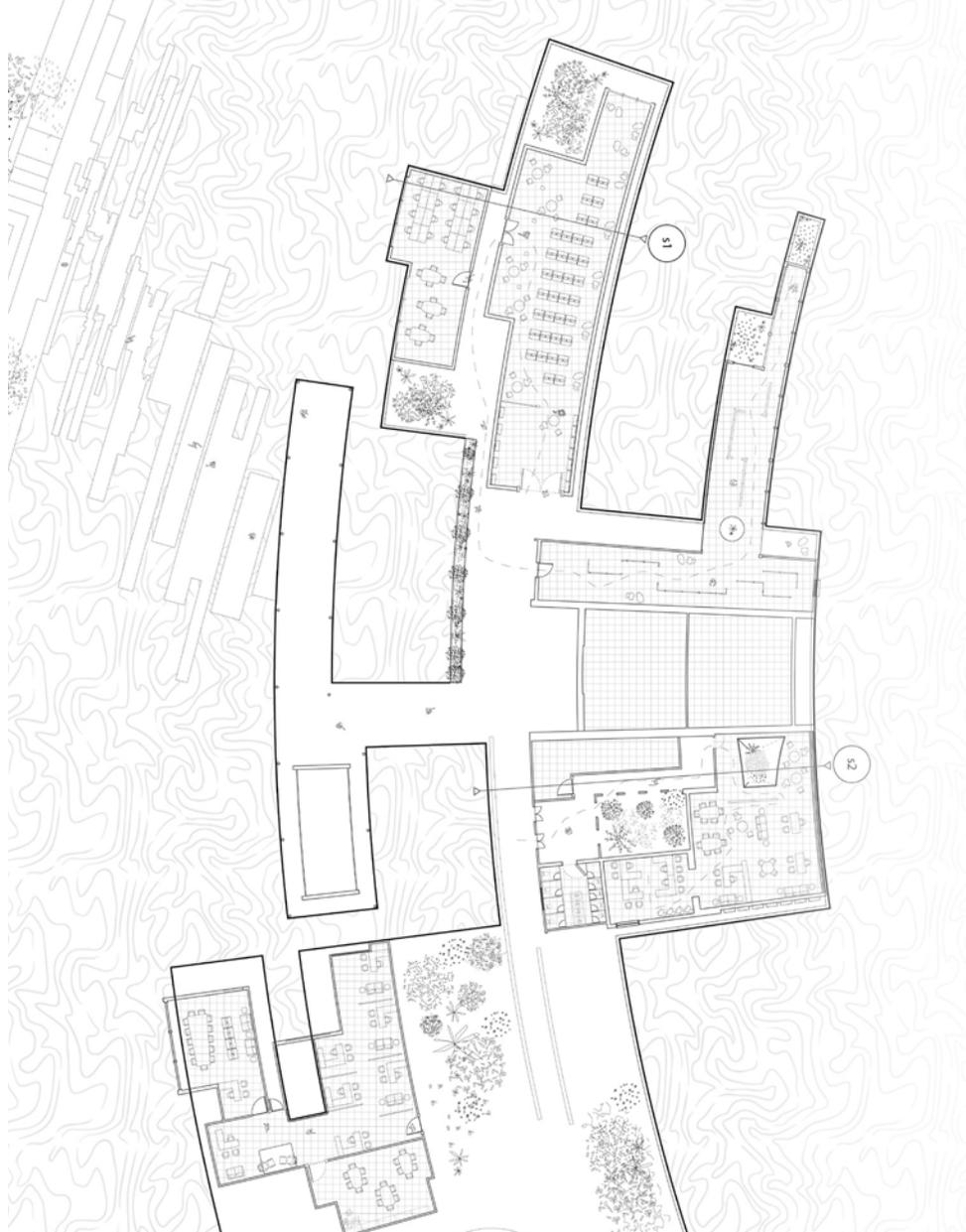
River Edge Piazza Summer Season



River Edge Piazza Rain Season

THE TIBER INSTITUTE

Rooted in Rome's tradition of art and ritual shaped by the Tiber, from Renaissance workshops to contemporary cultural practice.the Tiber Institute functions as a museum, archive, and working studio. Libraries, galleries, and painting spaces support research and production that reinterpret the river's presence in Rome's religious and artistic history.



-  Urban Insert Transitions
-  Interior Expansion
-  Exterior Engagement

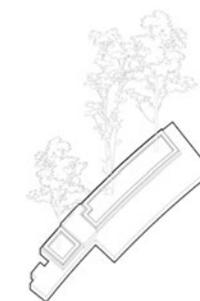


REACTIVATING THE RIVER EDGE

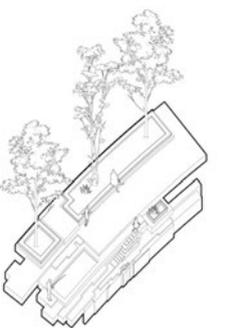
The Public Piazza Stepping Garden reclaims an underused riverfront landscape in Rome, transforming an area currently limited to casual circulation into an active civic space. Gardens, biodiversity habitats, and designated fishing terraces introduce ecological diversity to central Rome while increasing visibility, activity, and safety.



Base Block



Planter

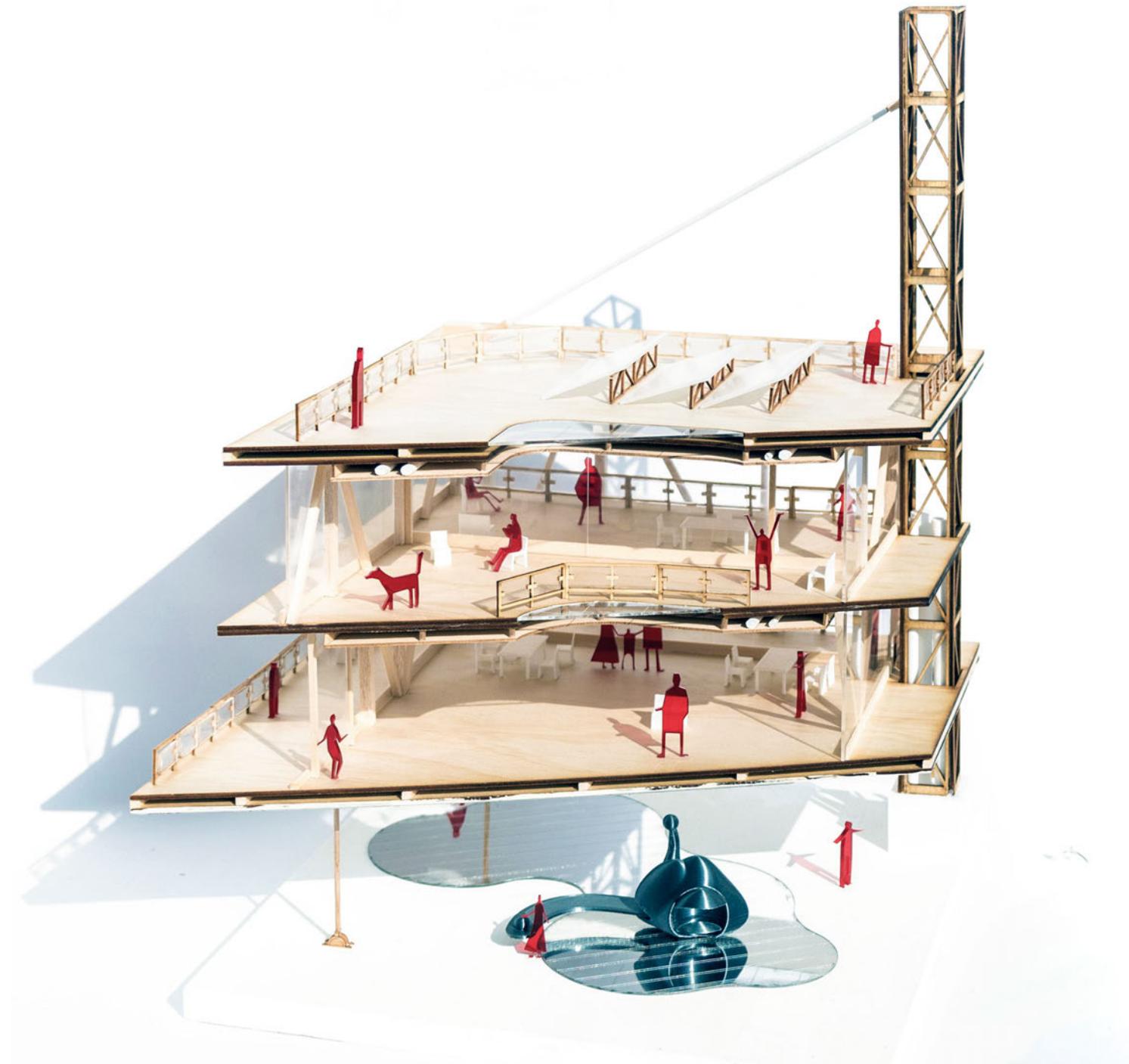


Park



This work was made possible with support from the Donna and Martin Rich Architectural Travel Fund for study travel to Rome.

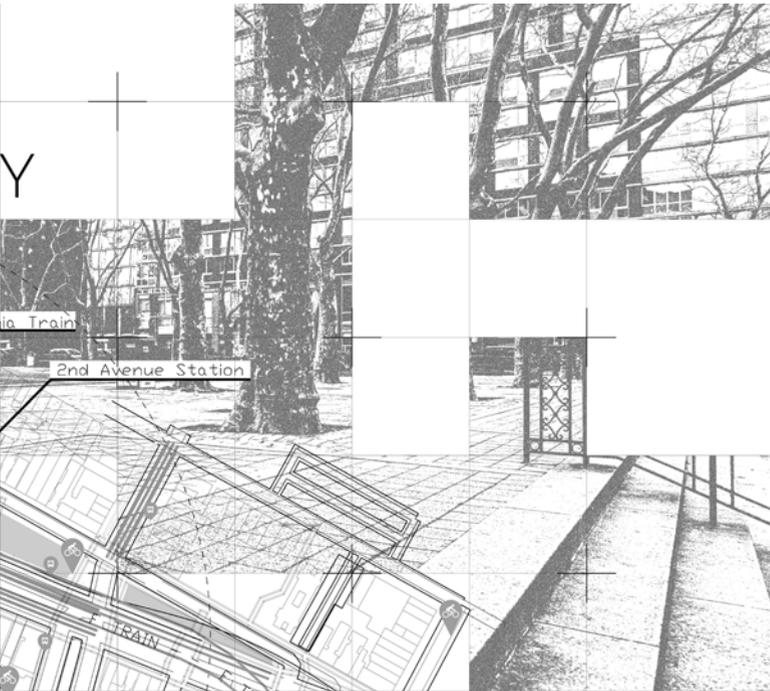
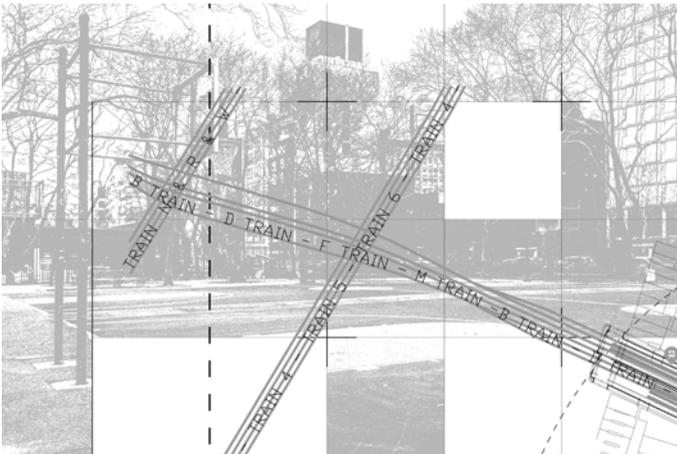
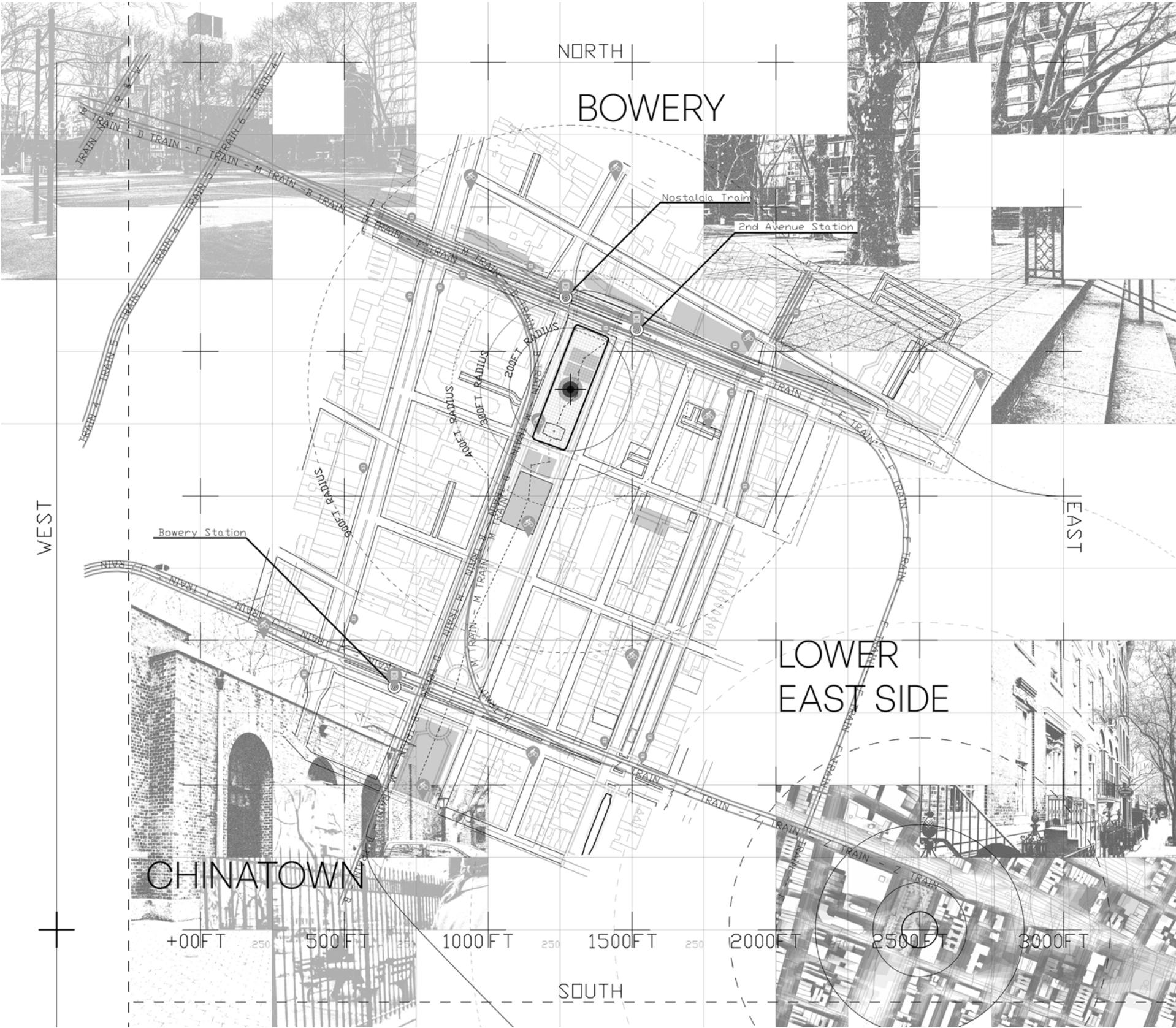
Parkside Play'n Exchange
NYC, USA | New Civic Center & Public Park | 2023



The Parkside Play'n Exchange reimagines Sarah D. Roosevelt Park in Lower Manhattan as a dynamic civic hub. Elevated through a cable-supported structural system, the proposal preserves valuable green space at ground level while introducing a farmer's market, communal classrooms, and flexible social areas above. Constructed from Cross-Laminated Timber and supported by a geothermal climate control strategy, the project advances a low-carbon, environmentally responsive approach. Strategically positioned between Chinatown and the Lower East Side, it operates as a cultural bridge, encouraging exchange, interaction, and strengthened community ties. The project received a 2023 RIBA Bronze Medal (Part 1) Nomination and was awarded an Honourable Mention for the 2023 Michael Hollander Drawing Excellence Award.

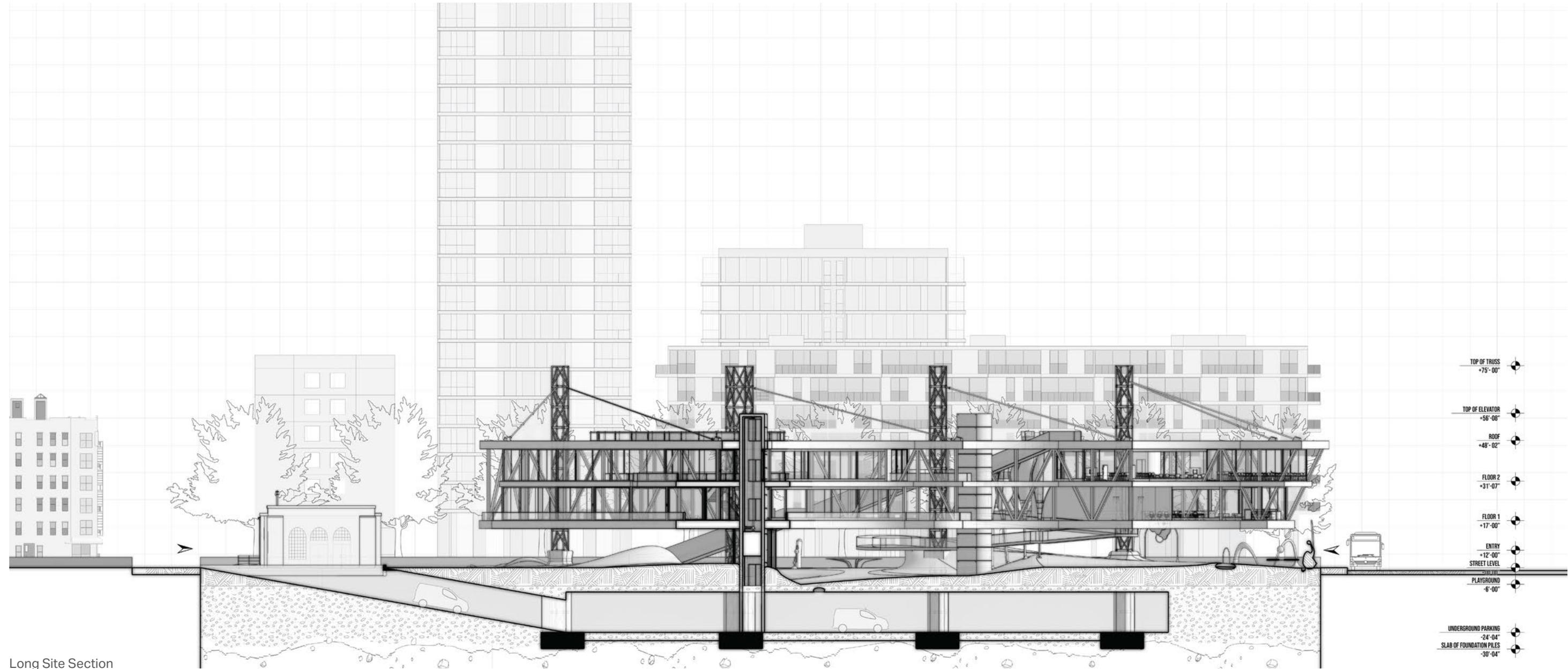
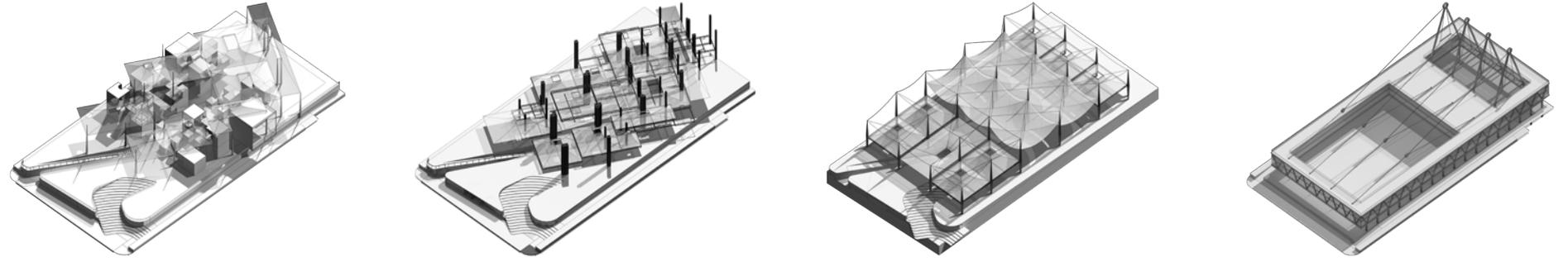
SITE CONTEXT: SARAH D. ROOSEVELT PARK, LOWER MANHATTAN

The site occupies the northern tip of Sarah D. Roosevelt Park's linear corridor, directly linking the Bowery. This position mediates between Chinatown's dense residential fabric to the south, the Bowery-SoHo art district to the west, and the East Village's young, high-density communities to the northeast, making the park a critical urban exchange point.



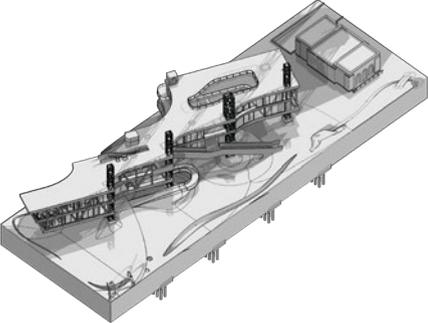
ITERATING TOWARD A PUBLIC GROUND

The initial proposal envisioned a tent-like canopy spanning the site, drawing visitors across the park as part of a sequence of four linked interventions. Through iterative testing, the scheme evolved into a superstructure that lifts the primary program above ground, preserving the park's open condition and returning continuous public space to the community.



STRUCTURAL FOOTPRINT AND ACCESSIBILITY

The building is anchored by four structural piers containing stairs, ramps, and elevator cores, concentrating access while minimizing the footprint. By elevating the main volume, the proposal preserves the park as shared civic ground and avoids occupying the site with a continuous building mass.



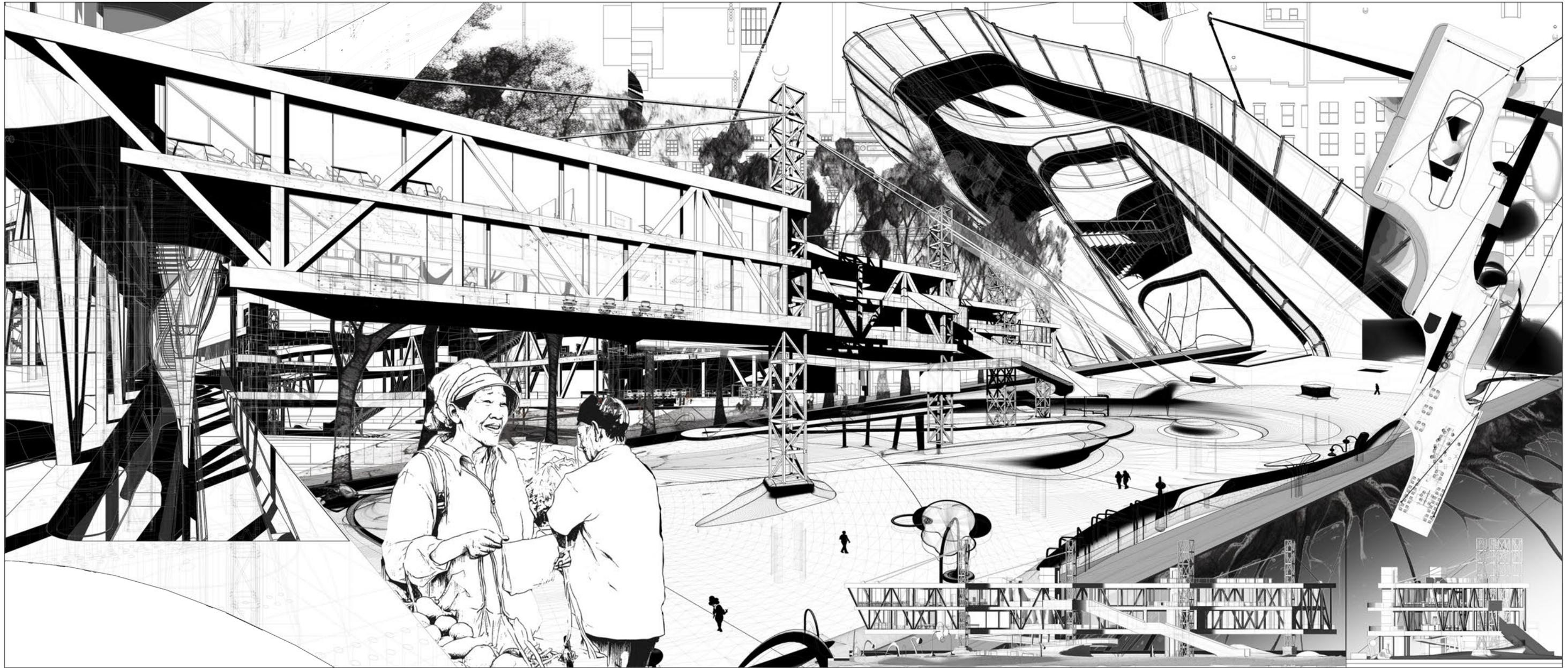
Physical Model, 1/8" = 1'-0" Scale



SEASONAL PROGRAMMING AND ALL HOURS ACTIVATION

On summer nights, the site transforms into a public night market, using the vitality of the surrounding neighborhood to bring sustained occupation to the park. The event-based programming activates adjacent entertainment and cultural institutions, extending their presence into a shared civic ground and improving nighttime safety through active public use.





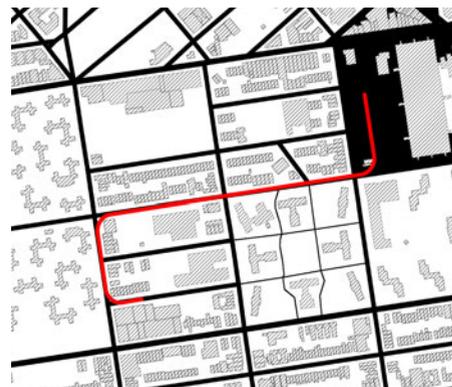
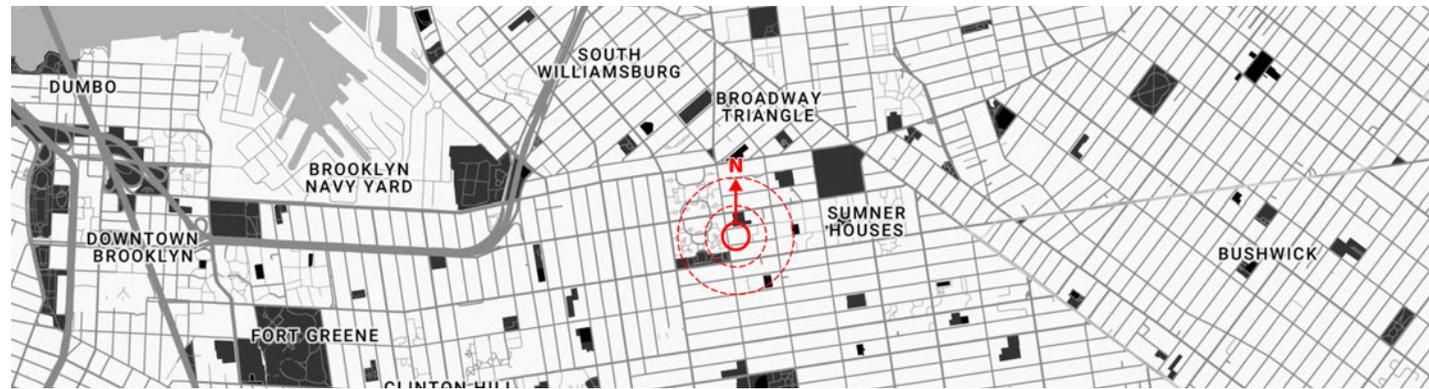


Marcy's Playtime
BK,NY, USA | Single Parent Social Housing | 2022

Marcy's Playtime introduces a living typology catering to the needs of single parents and economically disadvantaged families, emphasizing adaptable living spaces through "dynamic walls." These walls allow for the easy reconfiguration of spaces from rooms to entire buildings, supporting evolving family dynamics. The project also incorporates green spaces and sustainable practices, such as rooftop gardens and water recycling systems, highlighting its commitment to environmental stewardship. Marcy's Playtime is not just an apartment but a community space that prioritizes, affordability, flexibility, inclusivity, and well-being, aiming to create a more sustainable and family-friendly urban environment.

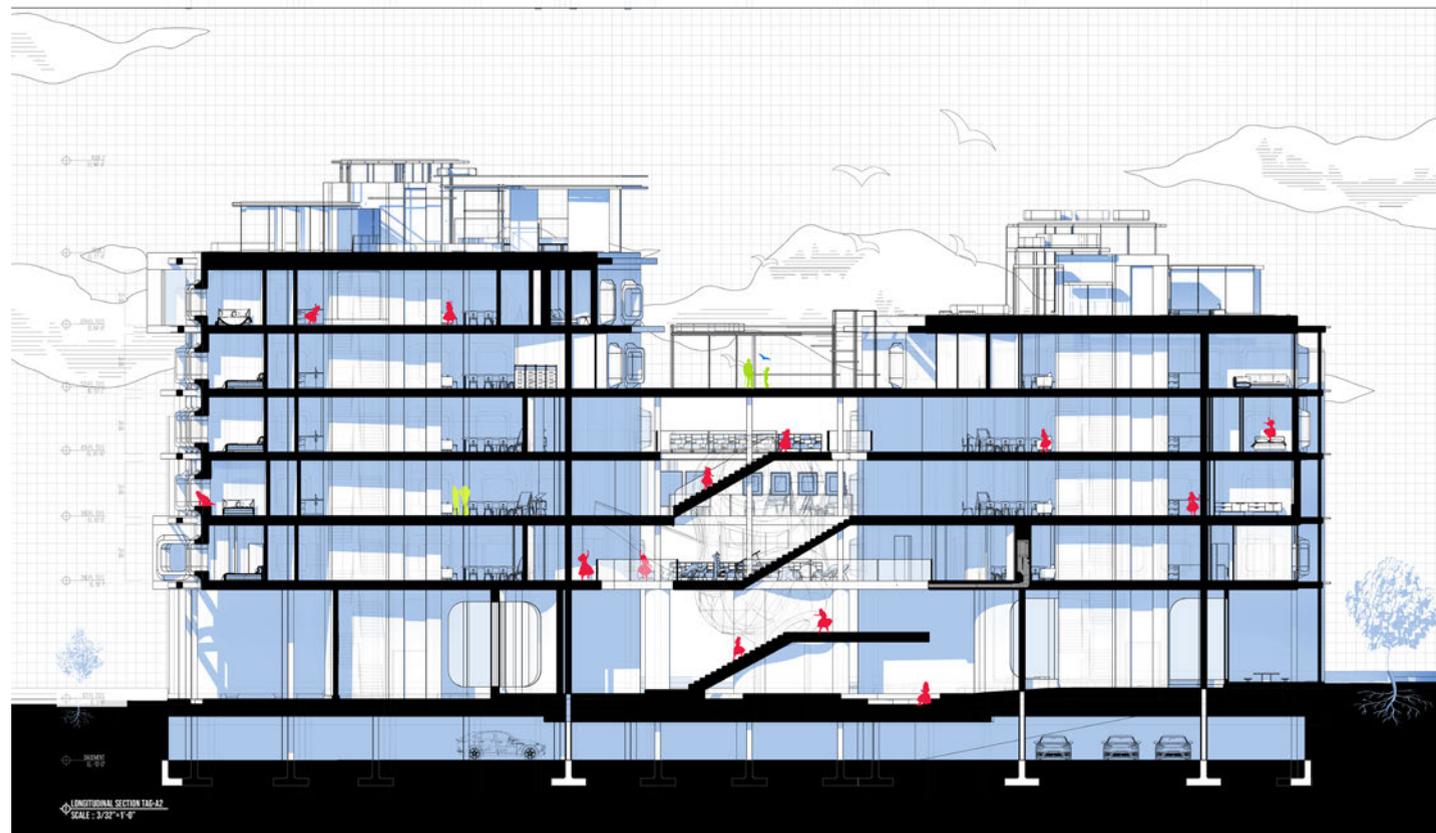
MARCY'S HOUSING: SOCIAL CONDITIONS OF BEDFORD-STUYVESANT

The site is located near the Marcy Houses in Bedford-Stuyvesant, Brooklyn, the site sits within an underserved, low-income neighborhood with limited spatial resources but a dense network of schools and community services. Demographic data indicate a high proportion of single-parent households, particularly single mothers, alongside long daily commute times that complicate childcare, education, and work routines. These conditions informed the proposal for a single-parent-focused social housing model that integrates accessible circulation, shared childcare infrastructure, and community support spaces.

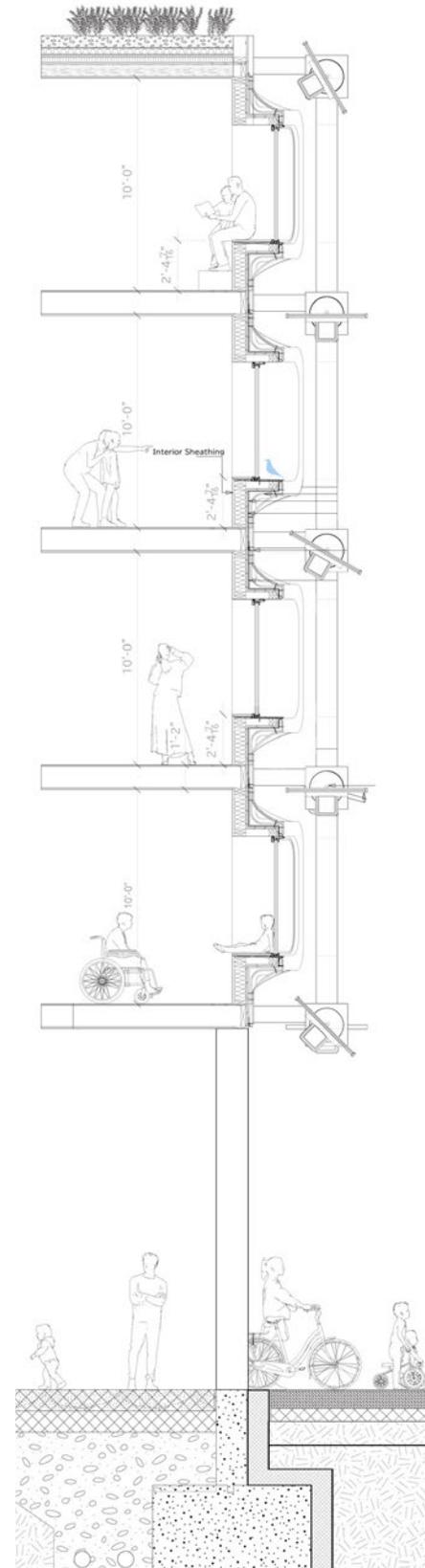




LONGITUDINAL ELEVATION 186-A1
SCALE: 3/32" = 1'-0"
-- WEST MARCY AVE EAST --



LONGITUDINAL SECTION 186-A2
SCALE: 3/32" = 1'-0"



FROM PLAYGROUND AS CIVIC LANDSCAPE TO SPATIAL SEQUENCES

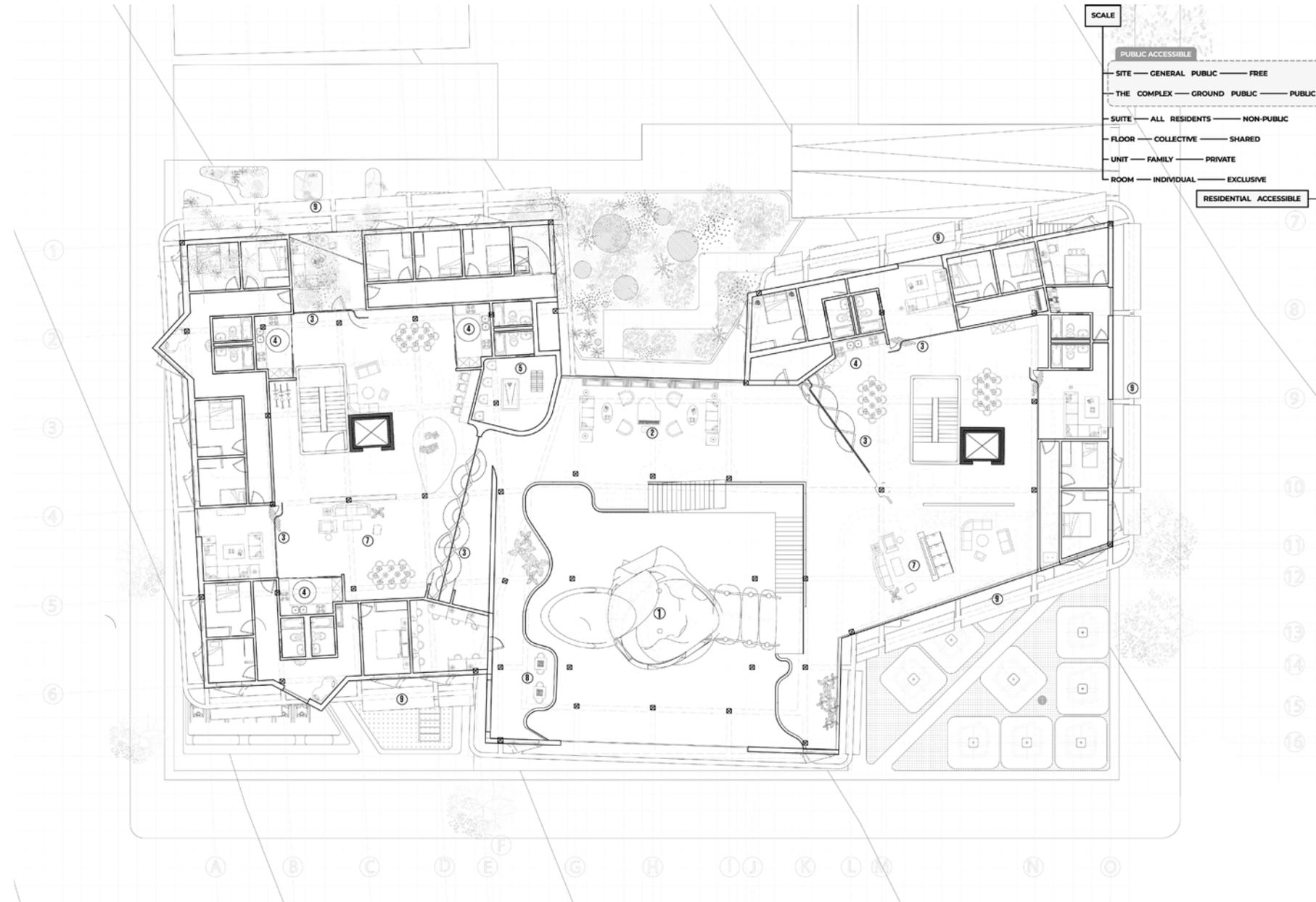
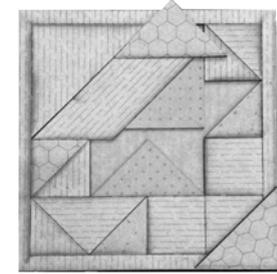
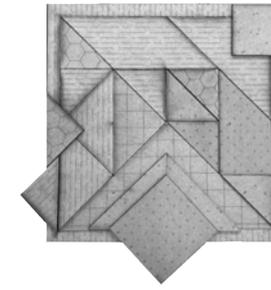
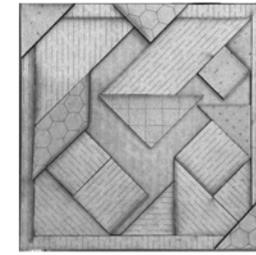
The groundscape is conceived as a continuous playscape, composed of functional sculptural elements that support public exchange. Inspired by Isamu Noguchi's playgrounds, subtle level changes create a land-scale landscape of movement and interaction. The plan is organized as a shifting spatial lineage, where slight displacements interrupt circulation and subdivide open programs into semi-enclosed rooms, while alternating volumes across each floor plate generate sequences of interior and exterior space.

West Elevation and Section
Detail Wall Section

SHARED SERVICE CORE STRATEGY FOR SINGLE-PARENT HOUSING

Research into social housing precedents shows that cost efficiencies are often achieved by consolidating mechanical and plumbing systems around kitchens and bathrooms. For single-parent households, however, child safety and proximity are essential; rather than locating facilities at a distance, bathrooms are paired or interlocked between adjacent units, while small shared kitchens serve two households within a larger communal living hub that supports childcare and mutual care. Within each unit, adaptable partitions allow rooms to subdivide as children grow, accommodating changing family structures over time.



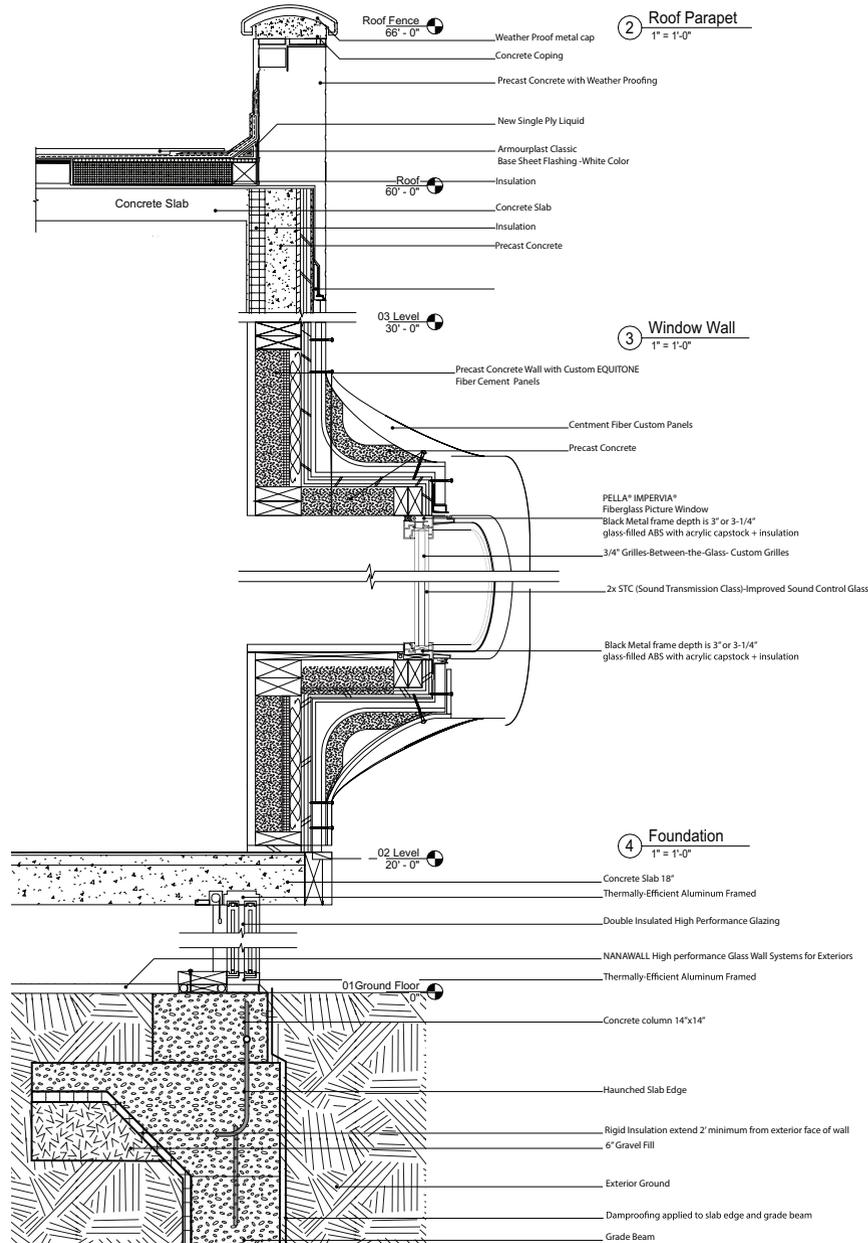
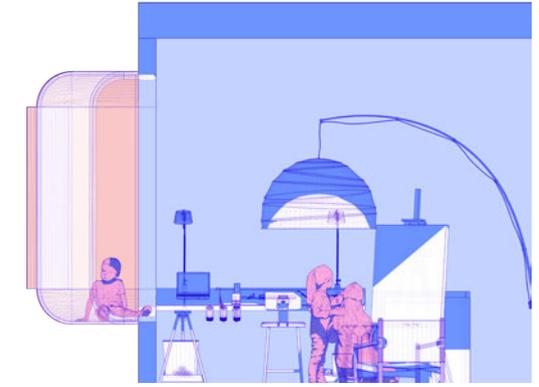


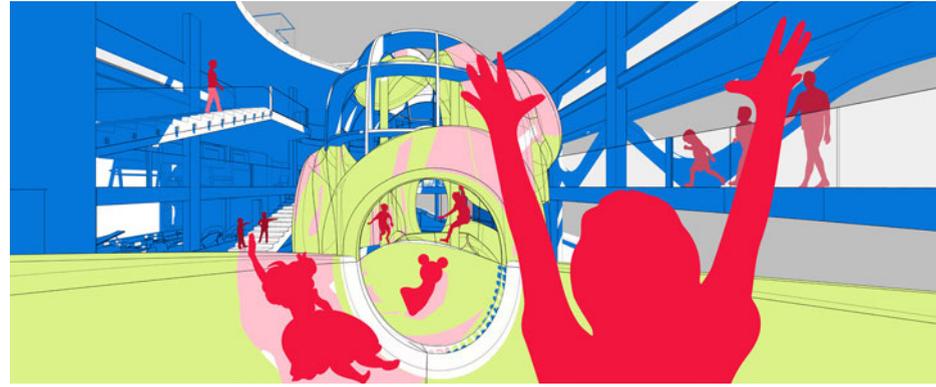
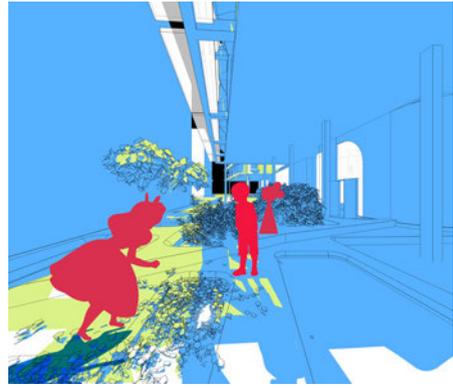
UNIT AGGREGATION AND SHARED CORES

As shared spaces were developed, the units began to operate as interlocking modules, first explored through jigsaw-puzzle plan studies to test adjacency and community formation. While meeting required square footage, the final scheme consolidates units around an open central core, freeing a shared space for childcare, gathering, and collective use. At the intersection of the three primary building blocks, a central hub forms a vertical indoor playground, allowing year-round use while enabling parents to supervise children from adjacent units, reinforcing the project's emphasis on collective care and play within the housing environment.

INHABITABLE WINDOW THRESHOLDS

Within each unit, the interior–exterior relationship is shaped through projecting window bays inspired by the stoops and balconies common in Bedford-Stuyvesant’s residential fabric. These protruding elements create inhabitable thresholds where children can sit, observe the street, and maintain a visual connection to the neighborhood. The details establish an interactive edge between private living space and the surrounding community.





A DAY IN A LIFE OF A CHILD LIVING AT MARCY'S PLAYTIME

The vertical space is ingeniously designed to engage children in physical activity while enabling parents to interact or work in close proximity, the surrounding floors that create a unique work-play dynamic. Below this bustling area, a publicly accessible lobby becomes the stage for wildlife education and hands-on workshops in dye gardening, providing invaluable learning opportunities for the community. The initiative not only stimulates the local economy but also fosters a strong sense of community and belonging among residents.



**RETI Center Blue City
BK,NY, USA | Upcycle Sustainable Design-Build | 2023**

Partnering with RETI in Red Hook, our summer studio tackled climate challenges through speculative and practical design strategies. As an architect, graphic designer, and photographer, I shaped the project's visual identity, developed branding stencils, designed wooden pallet stools, and contributed to green infrastructure concepts. My role blended design, research, and documentation, ensuring both impact and clarity in our sustainable solutions.

RETI CENTER BLUE CITY

The RETI Center is a nonprofit based in Red Hook, Brooklyn, focused on climate resilience and social equity through community-led design, education, and waterfront research. Our team assisted in developing portions of the Blue City master plan by repurposing salvaged materials collected across New York City, from industrial waste streams to construction surplus, into environmental and civic prototypes. We fabricated using reclaimed materials, and designed interventions for volunteers and summer workshop participants as well as surround communities. The team constructed a shaded bus stop for the local community, integrating salvaged solar panels to create a small charging station. With the exception of basic hardware, nearly all materials were reclaimed through the RETI Center's reuse network and architectural school waste streams.

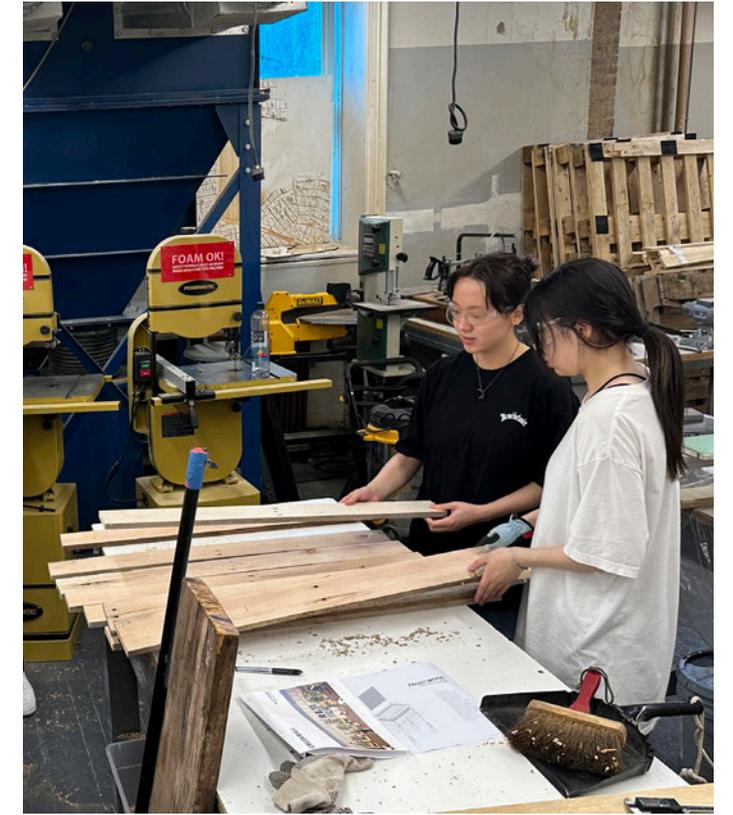
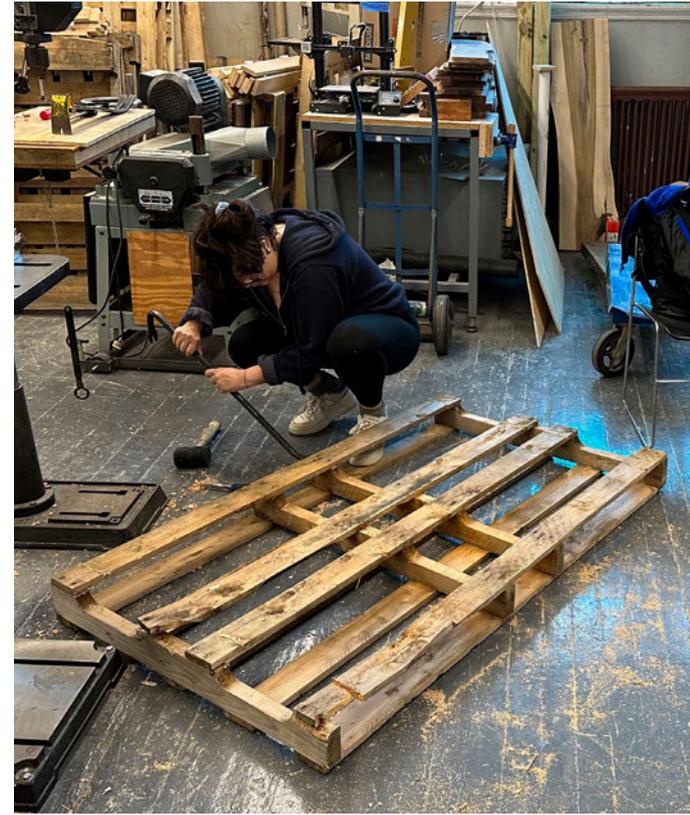


Full documentation available upon request and on my website.



ON THE COLLABORATION

Given the scale of the full design-build effort, this portfolio highlights the components where I took primary responsibility while working within a highly collaborative studio environment. My focus was a medium-scale portable folding stool designed for workshop use and community events, allowing easy transport, storage, and flexible seating on site. Fabricated from reclaimed pallet wood with minimal hardware, the stool emphasizes portability, durability, and ease of replication within the RETI Center's reuse framework.



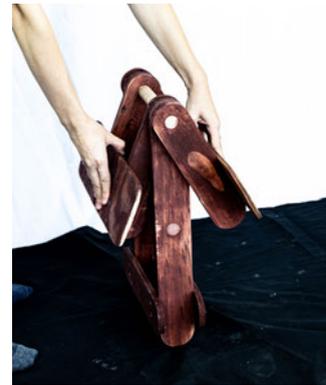
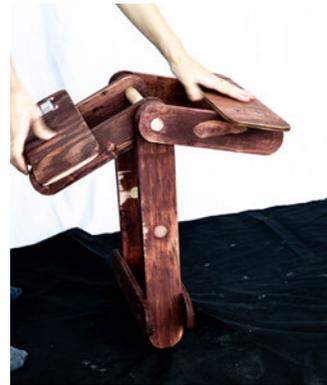
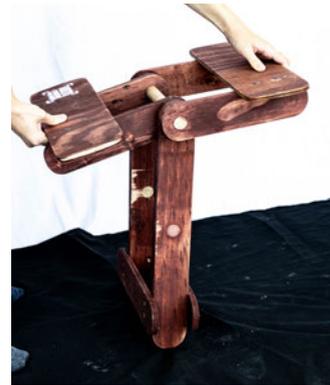
MATERIAL SURVEY AND PROTOTYPING PROCESS

The image above documents the existing pallet-wood seating used, robust but difficult to move, assembled with nail guns and without consideration for portability. During an initial site tour of the RETI Center's storage yard, we catalogued available materials, including pallet lumber and OSHA boards in varying conditions. Usable boards were brought back to the workshop, disassembled, planed, and tested through a series of fabrication prototypes. This process informed not only my medium-scale designs but also the parallel projects developed across the studio, establishing a shared workflow of material recovery, evaluation, and iterative fabrication.



MEDIUM-SCALE FABRICATION LEADERSHIP

Within the studio's multi-scalar design-build process, each student developed proposals across scales before being assigned a focus area; I led the medium-scale work alongside branding and project documentation. My responsibilities included designing portable furniture, coordinating community-facing elements such as murals and planters, and photographing fabrication and installation. The interlocking chair I developed uses reclaimed materials and minimal hardware, relying on joinery logic to ensure portability, ease of assembly, and replication within the RETI Center's reuse framework.



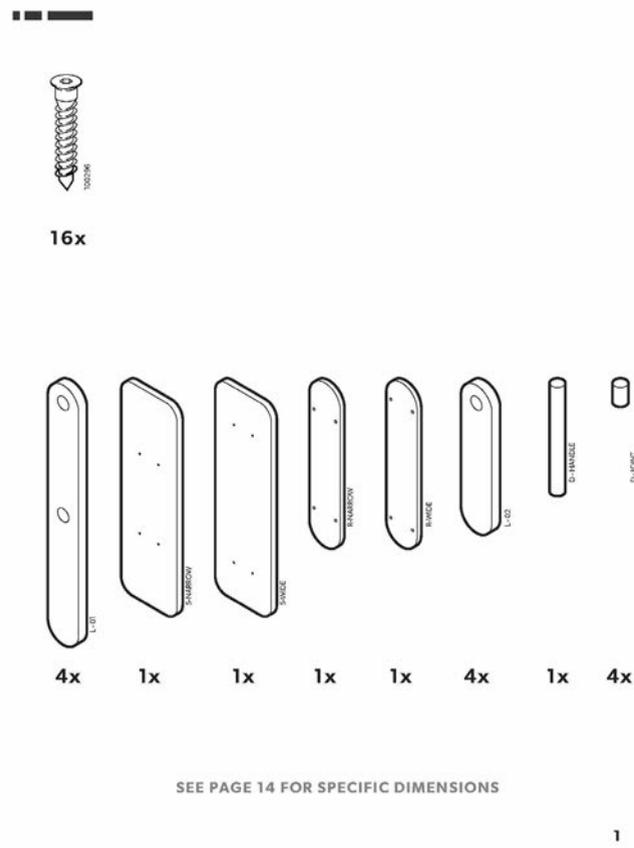
OPEN-SOURCE FABRICATION MANUALS

At the conclusion of the collaboration, we produced illustrated assembly manuals, similar to IKEA instructions, to allow the RETI Center to reconstruct the prototypes independently as needed. These guides documented dimensions, materials, and fabrication steps, ensuring the long-term usability and replication of the project components. While I led the design and fabrication of medium-scale build objects and contributed to branding elements with the graphics team including murals, planters, and small outreach items, the work was highly collaborative, with the class collectively supporting each intervention.

FOURONE

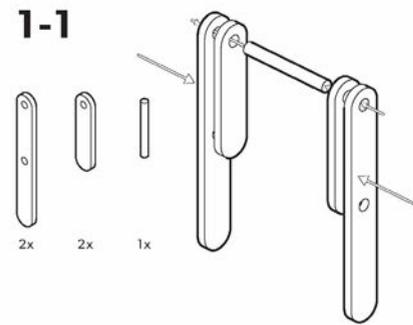


RETI
Center for
Resilient
Economic
Transformation
Design 02

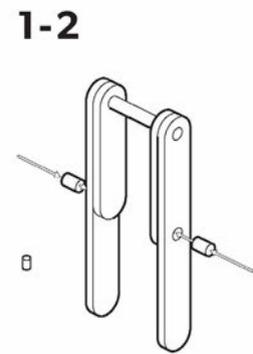


SEE PAGE 14 FOR SPECIFIC DIMENSIONS

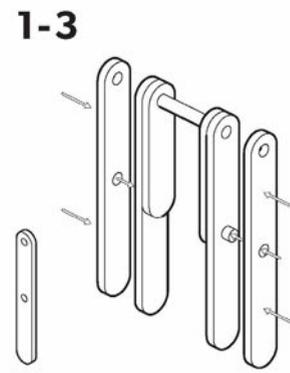
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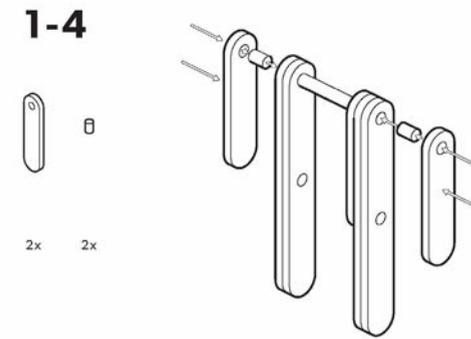


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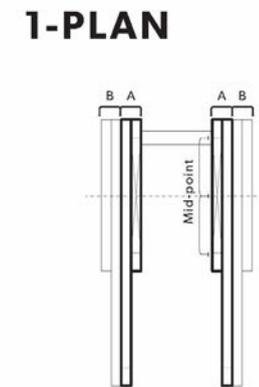
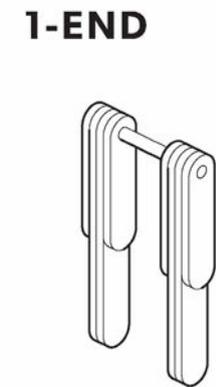


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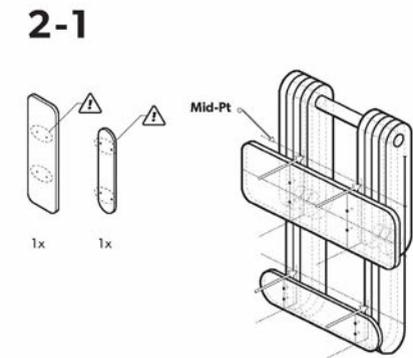


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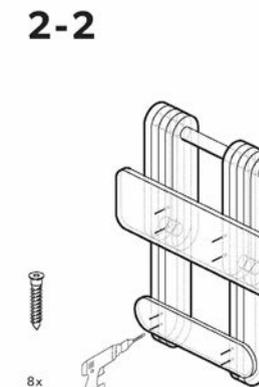


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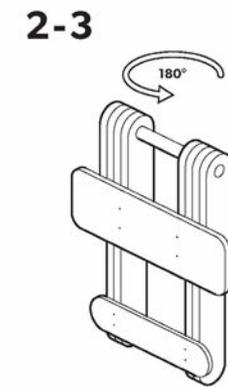
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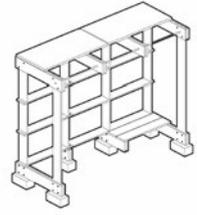
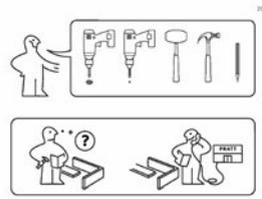


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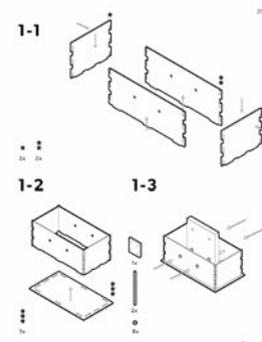
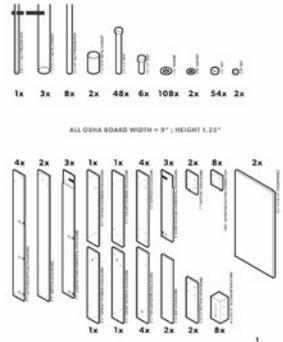
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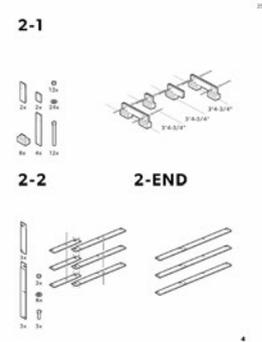
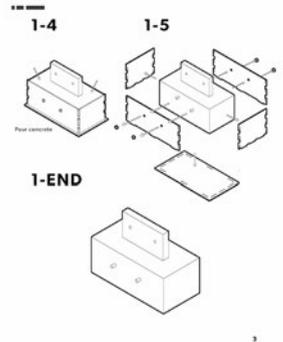


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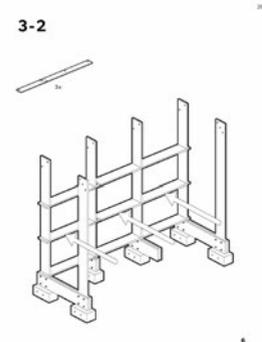
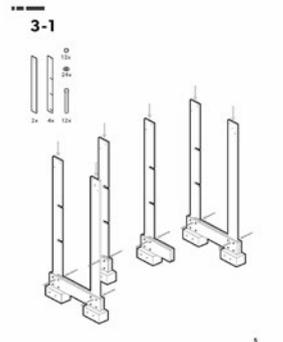
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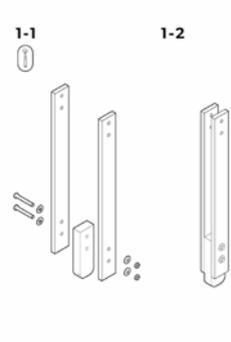
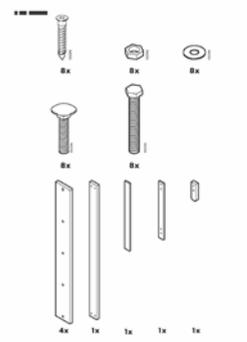
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Mah-Sah Conversation Table

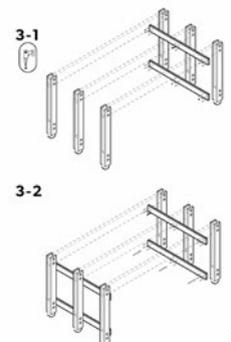
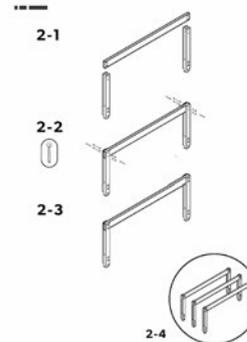


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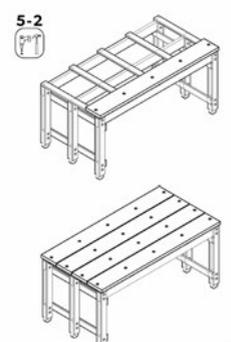
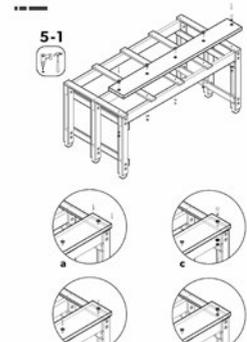
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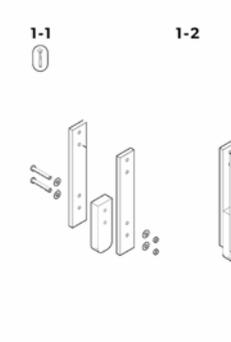
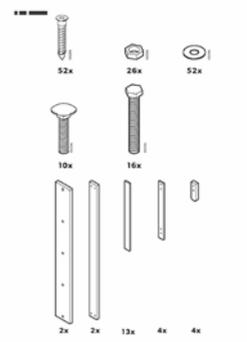
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Mah-Sah Conversation Bench

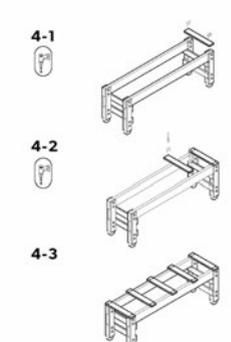
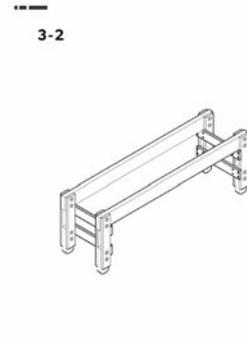


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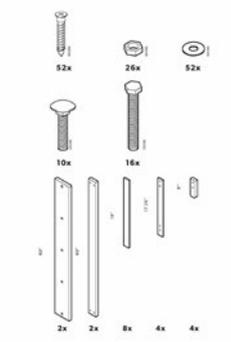
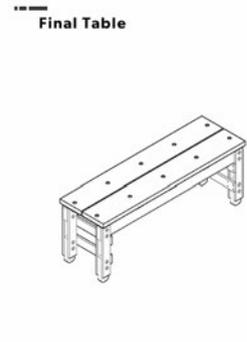
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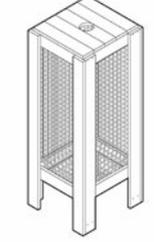
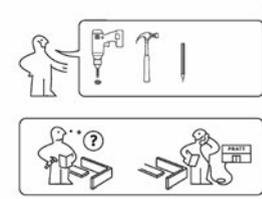


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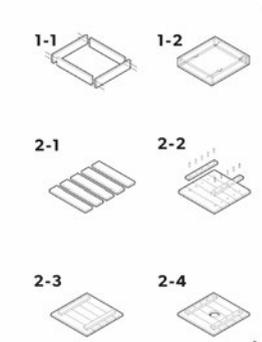
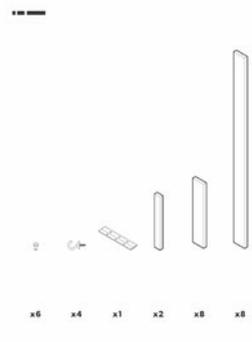
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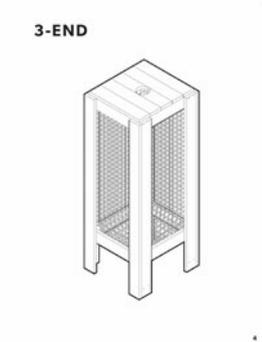
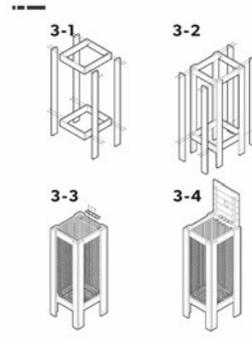


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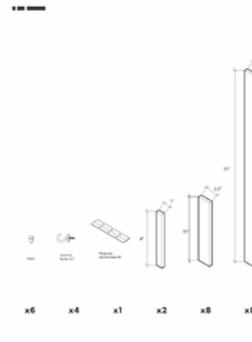
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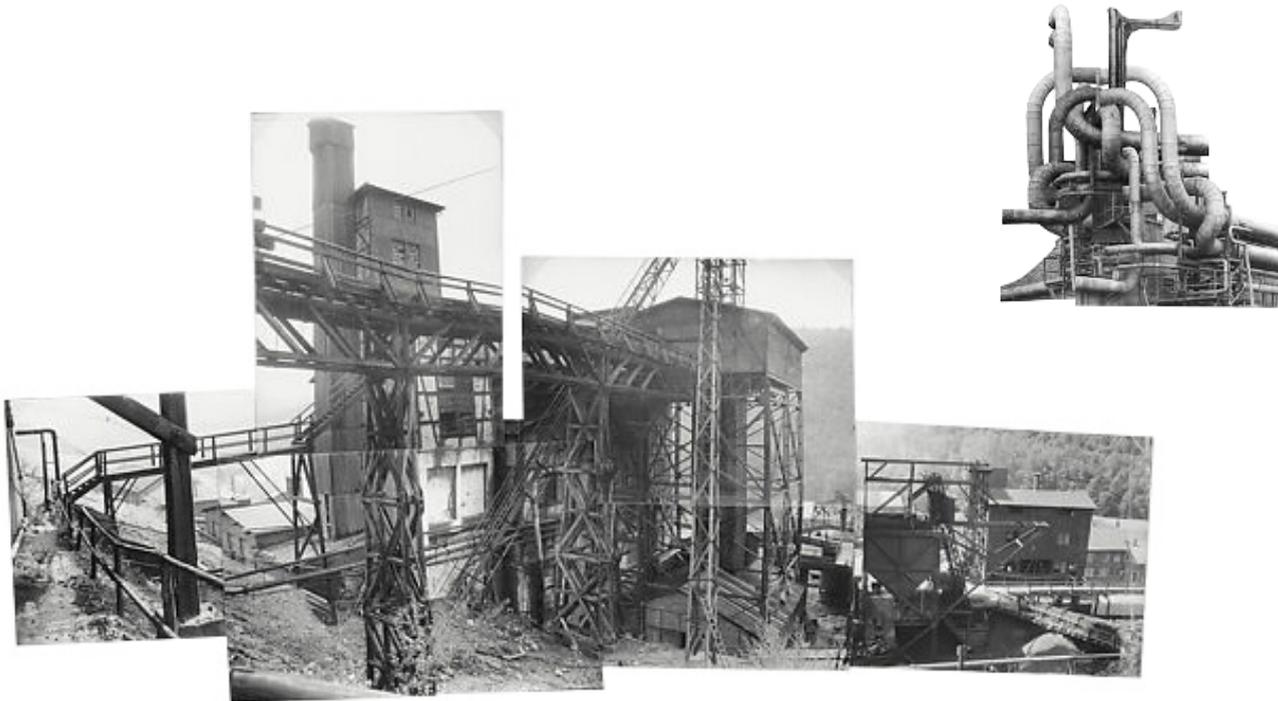


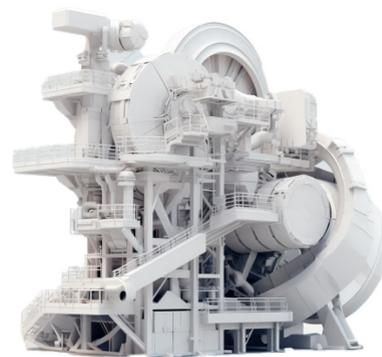
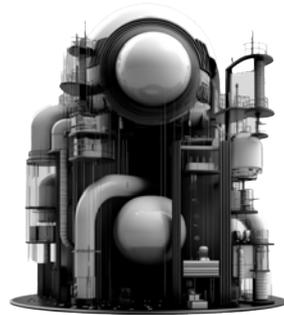
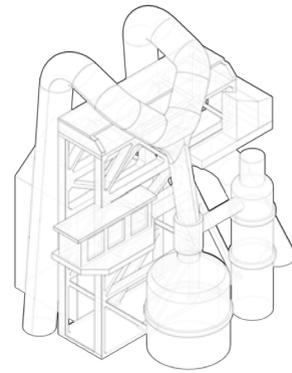
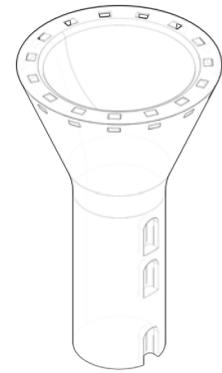
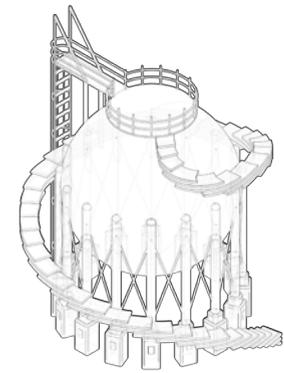
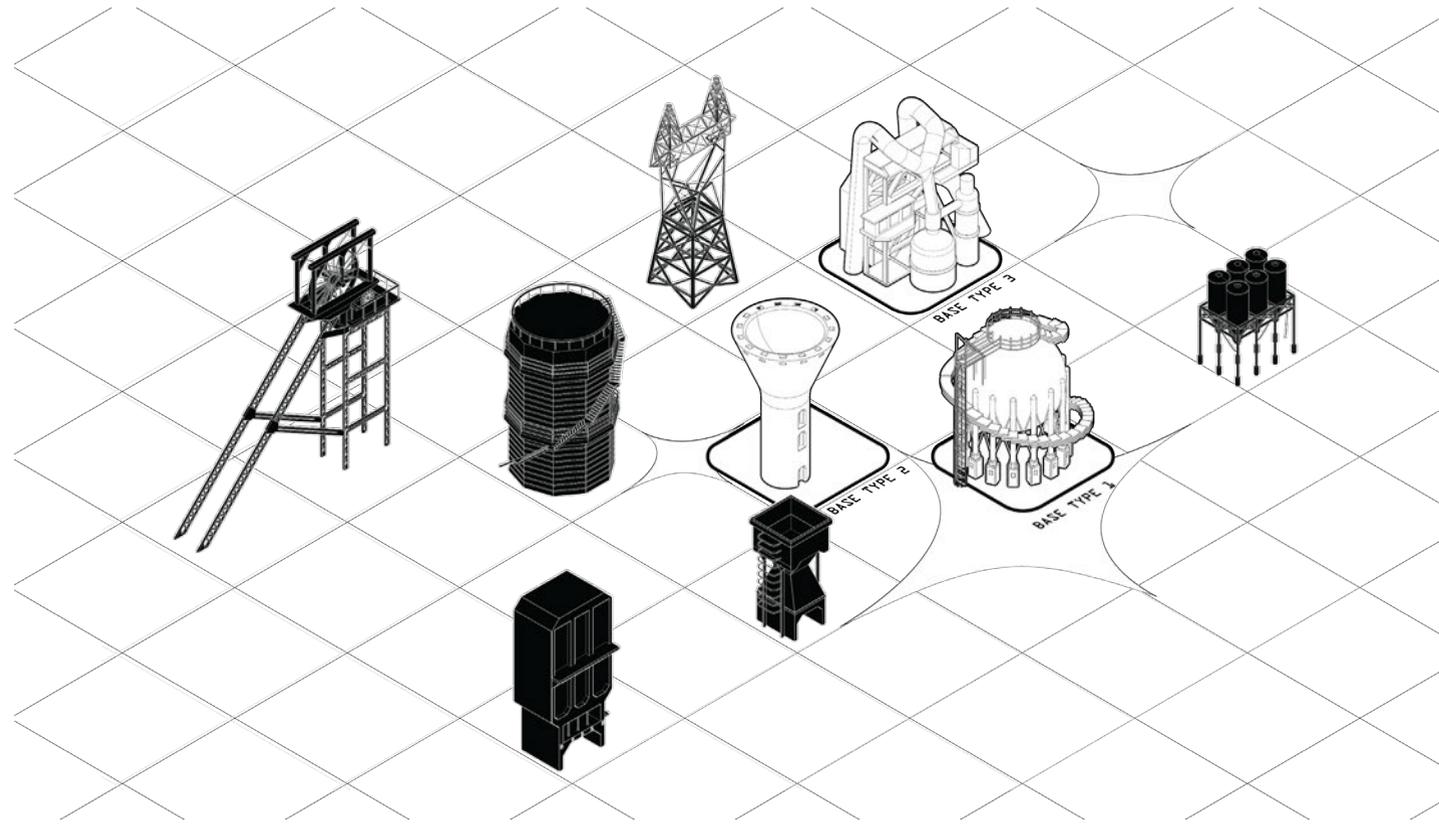
Forge Photo Factory Museum
BK,NY, USA | Museum for Photography and Viewing | 2023

Museum of Photography reinterprets industrial typologies as spaces for creative production, drawing from inspirations like the Beckers and Le Corbusier. Set in Brooklyn's industrial fabric, the project explores AI's evolving role in design, questioning its potential to replace traditional photography. Merging raw industrial aesthetics with advanced AI-driven methodologies, the museum serves as both an exhibition space and a platform for discourse on the intersection of technology, art, and architecture.

INDUSTRIAL TYPOLOGIES & PHOTOGRAPHIC RESEARCH

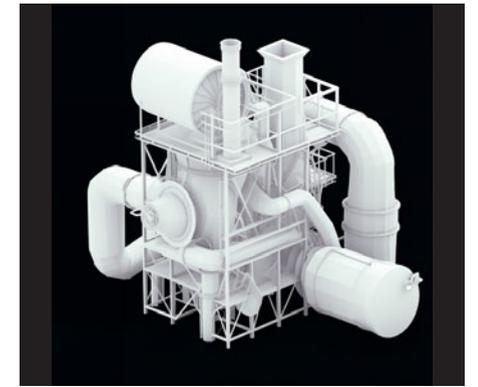
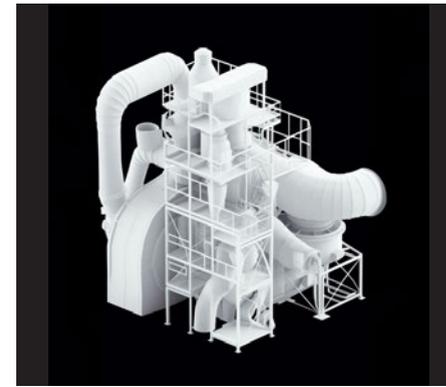
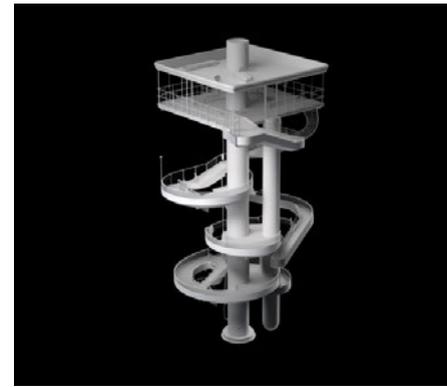
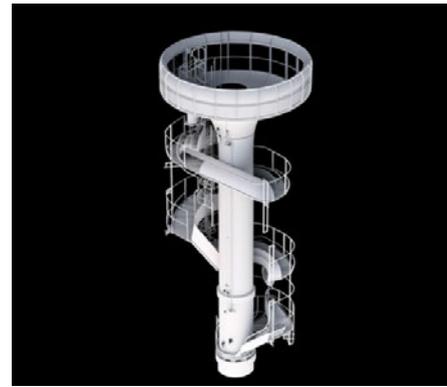
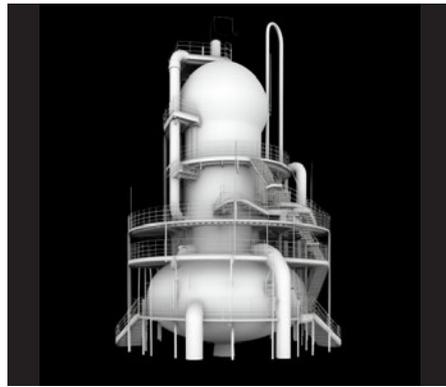
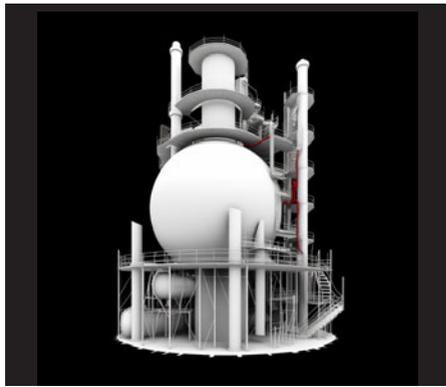
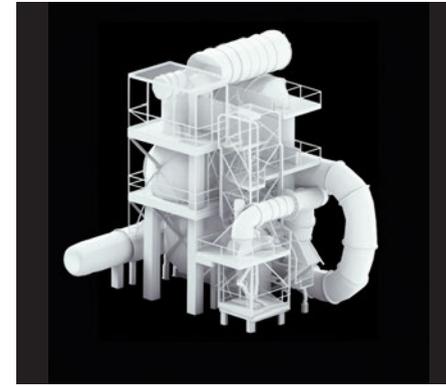
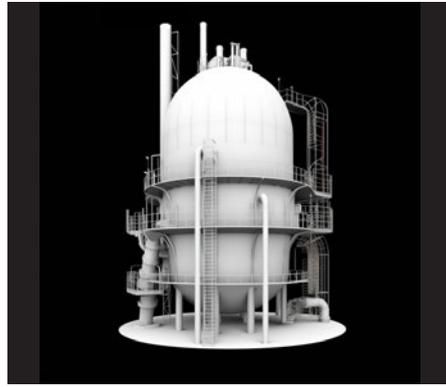
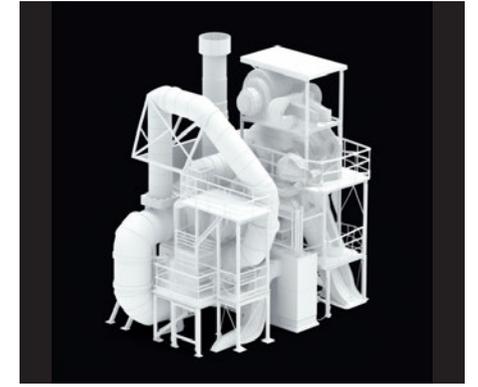
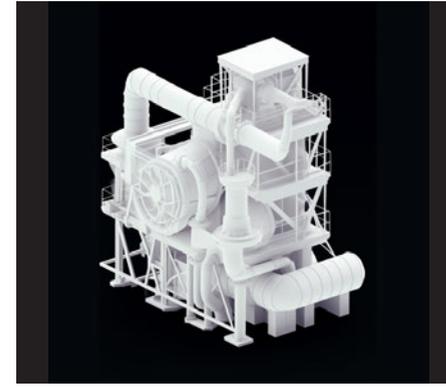
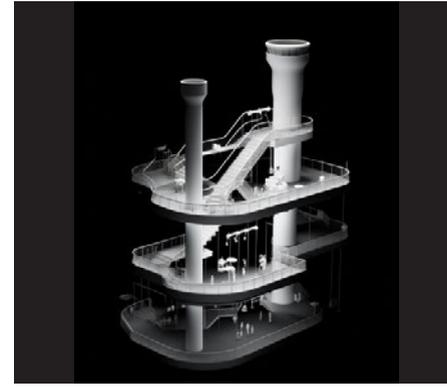
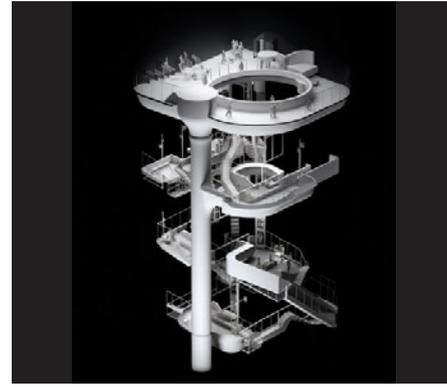
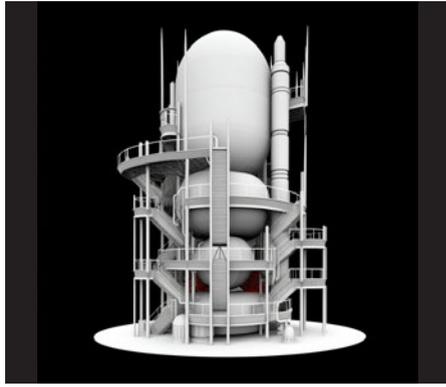
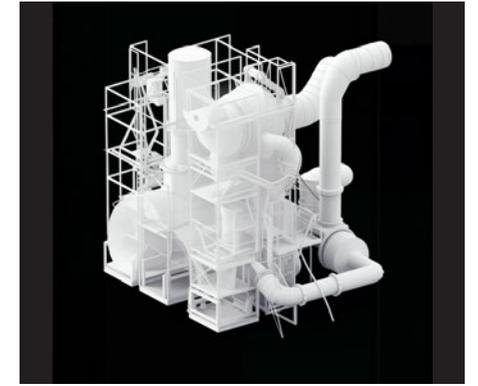
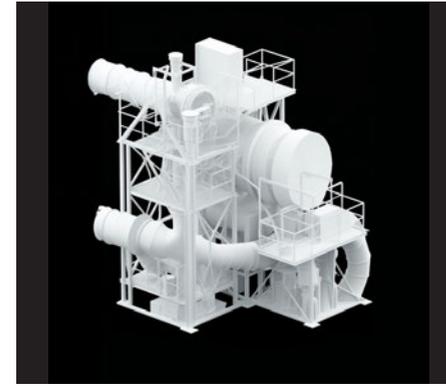
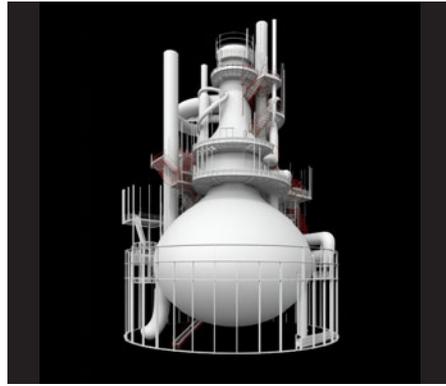
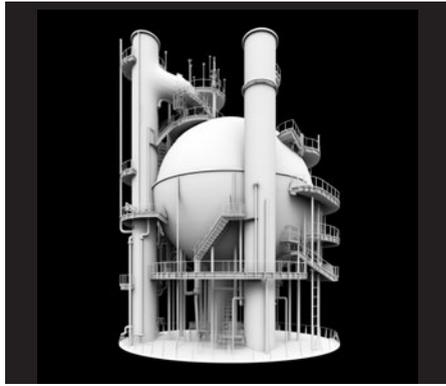
The project investigates the relationship between architecture and photography through industrial typologies. Influenced by Le Corbusier's reading of grain silos as precedents for machine-age architecture, I documented industrial landscapes across New York City, focusing on Red Hook, Brooklyn, as a site of former manufacturing infrastructure. The study also draws on the work of Bernd and Hilla Becher, whose systematic photography of industrial structures informed the project's approach to typology, repetition, and architectural form.





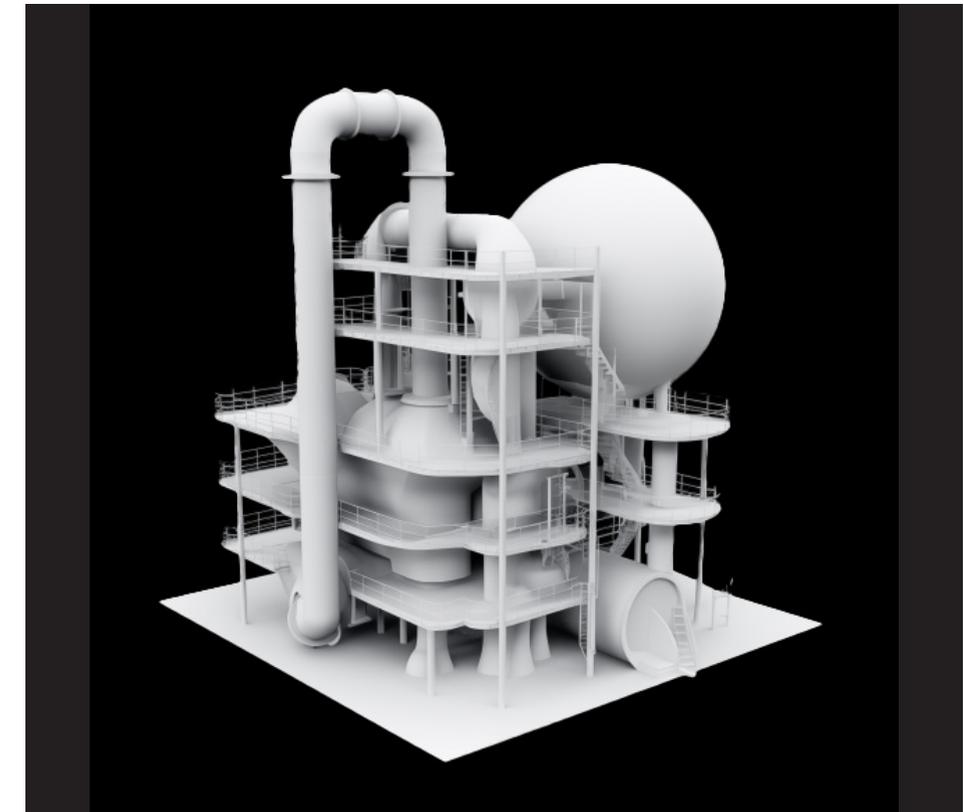
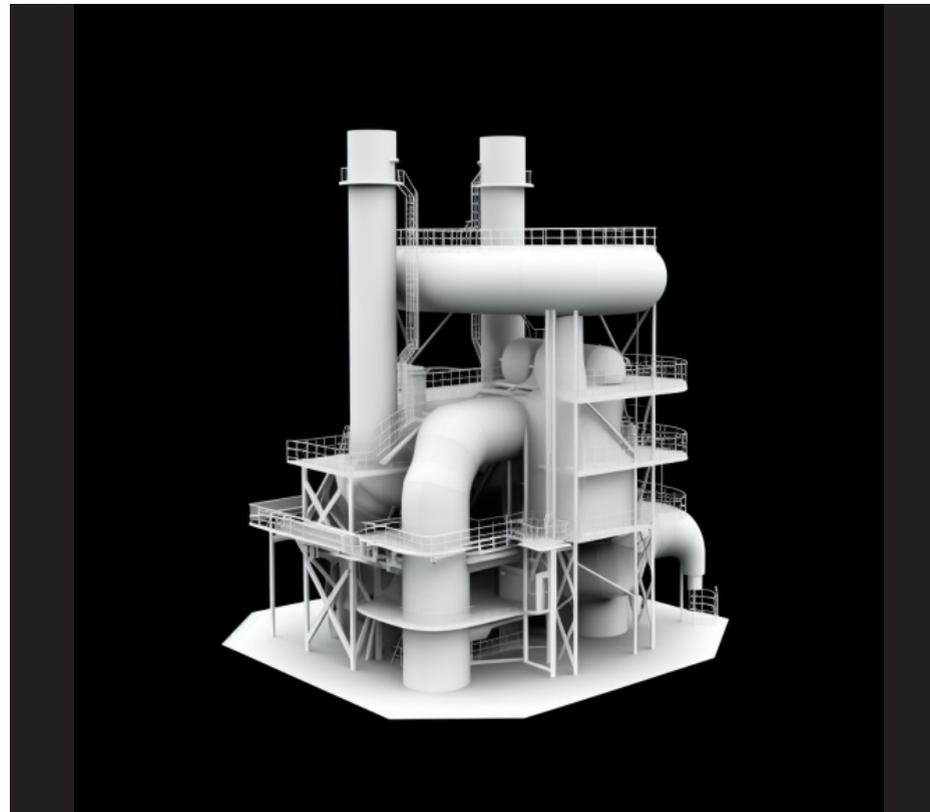
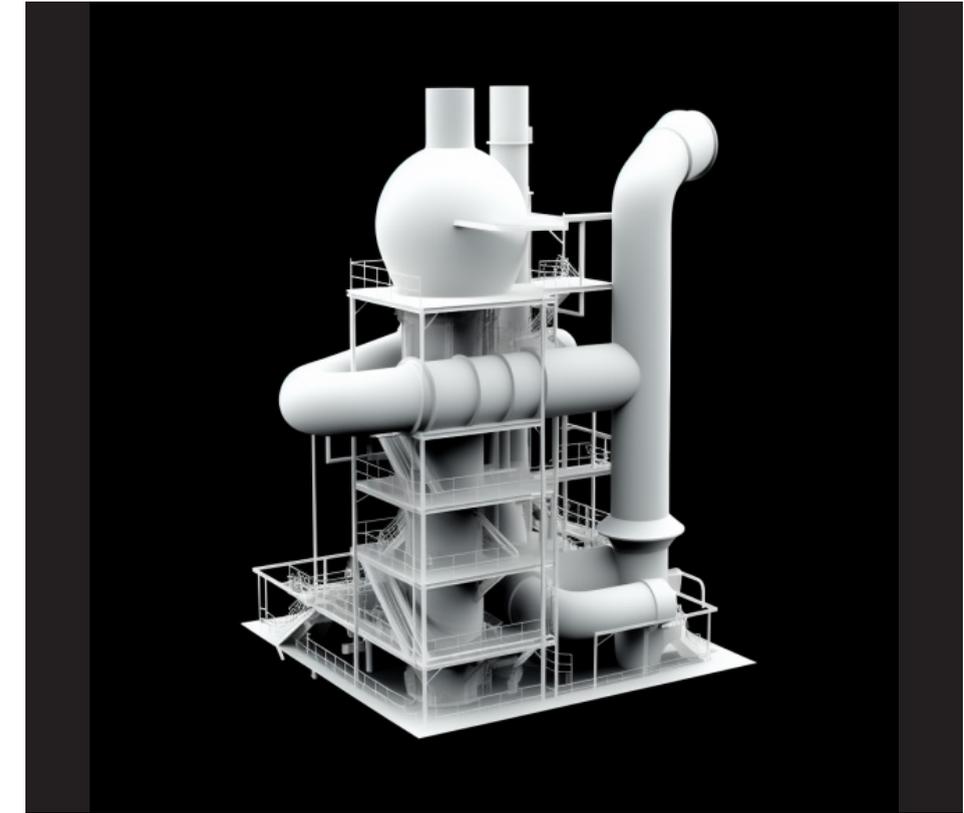
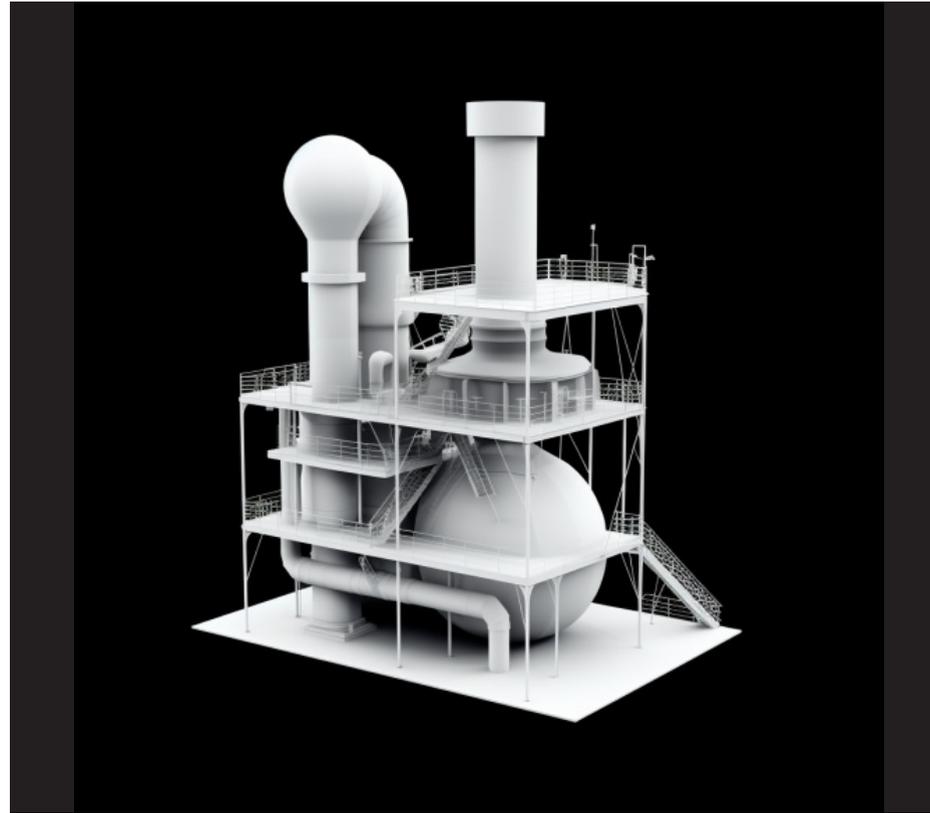
AI AS DESIGN METHODOLOGY

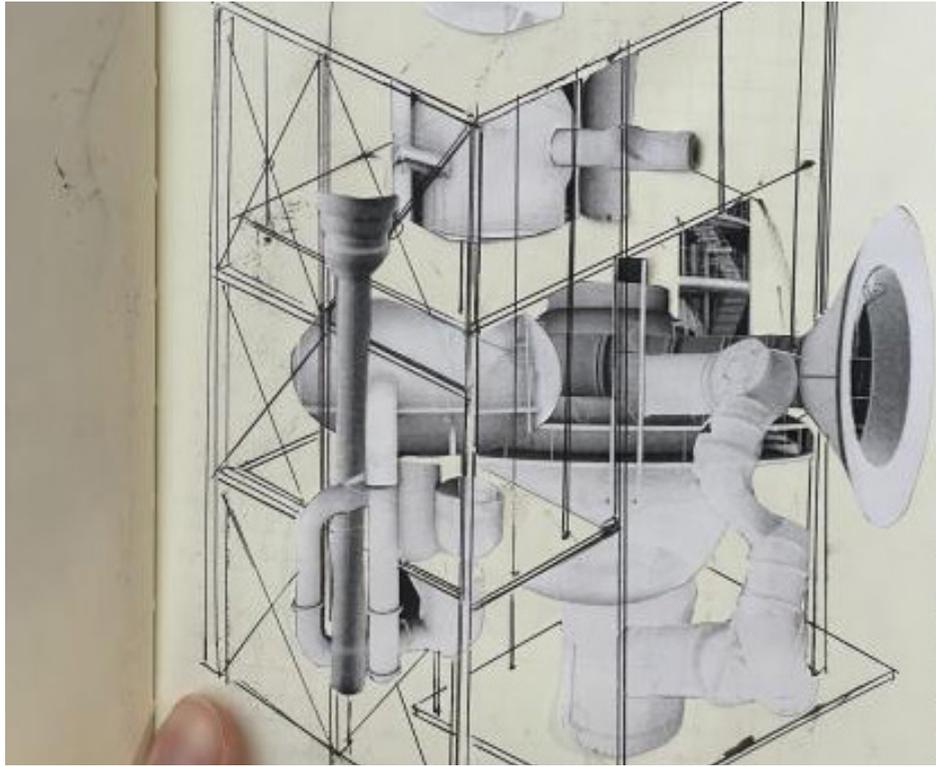
This project emerged during the early adoption of AI image-generation tools, when questions about AI's role in architecture were widely debated. Rather than treating AI as a replacement for designers, I used it as an iterative tool within the early schematic phase, testing spatial ideas, generating variations, and expanding formal possibilities as part of the design process.



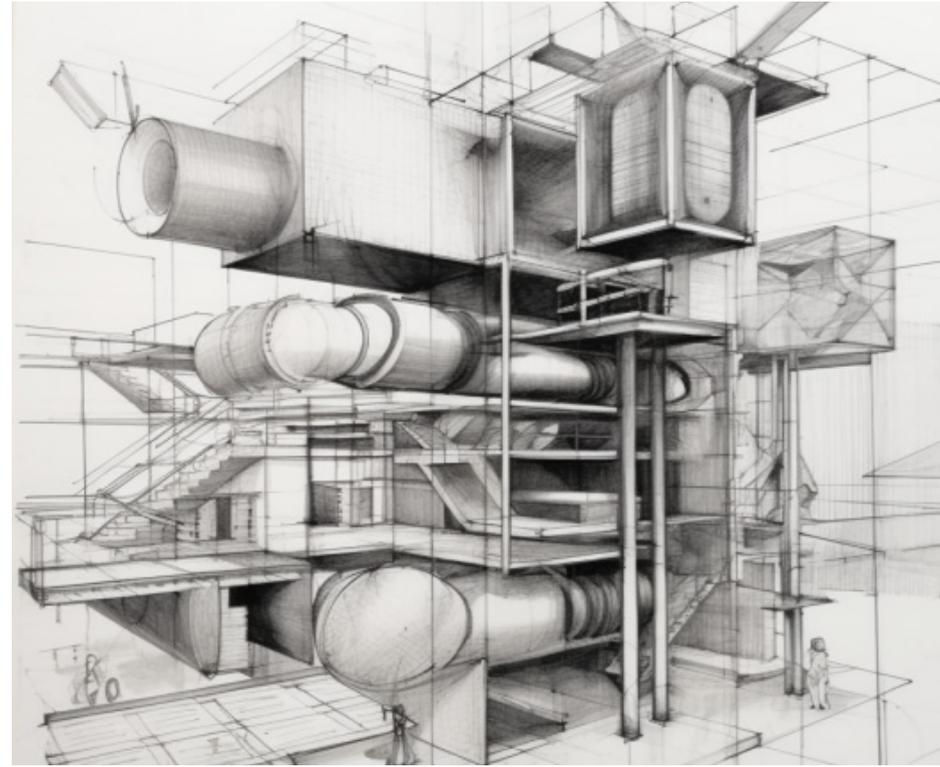
AI TYPOLOGY LIBRARY DEVELOPMENT

Industrial structures documented through archival photography and fieldwork in Red Hook were modeled and reintroduced into AI workflows to build a curated typological image library. Training the system on this consistent visual language allowed it to generate composite forms that retained shared industrial characteristics while producing new spatial configurations. The resulting collaged geometries informed later design studies by translating photographic typology into architectural form.





Real Hand Collage with AI Material Library



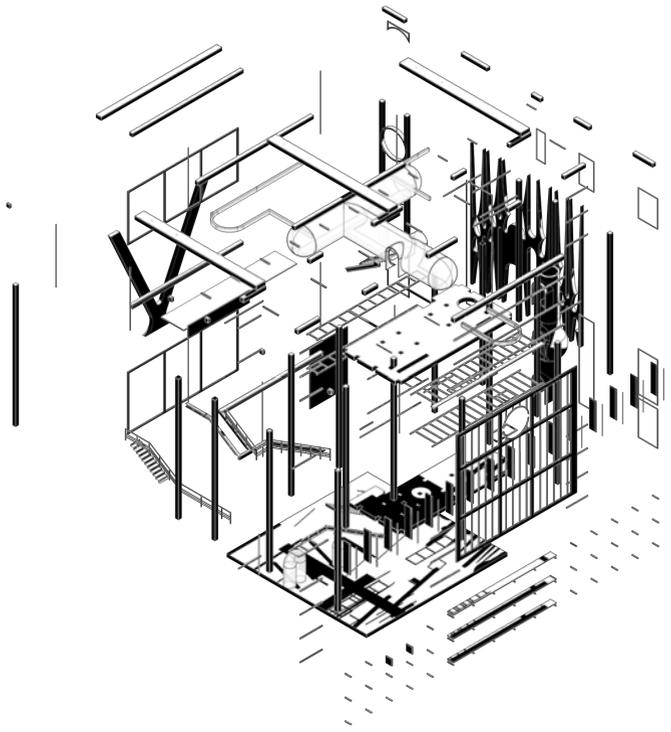
Initial AI Collage Conceptual Interpretation



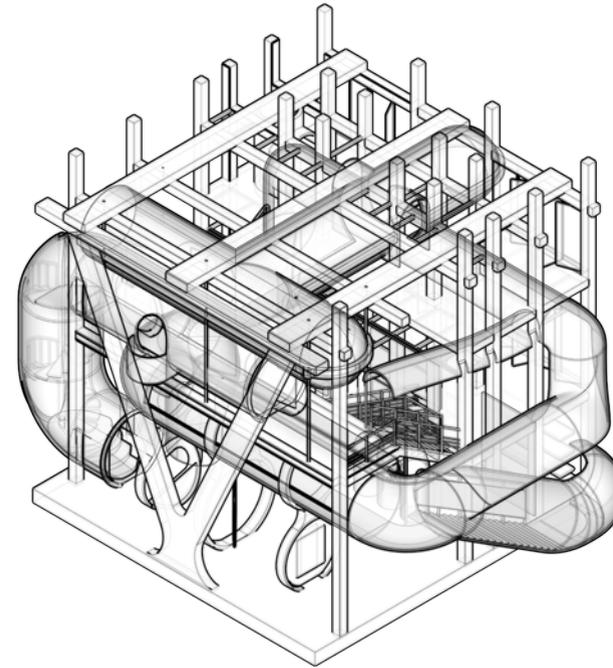
AI-Generated Architectural Redevelopment in Rendering

ANALOG COLLAGE AND AI FEEDBACK LOOP

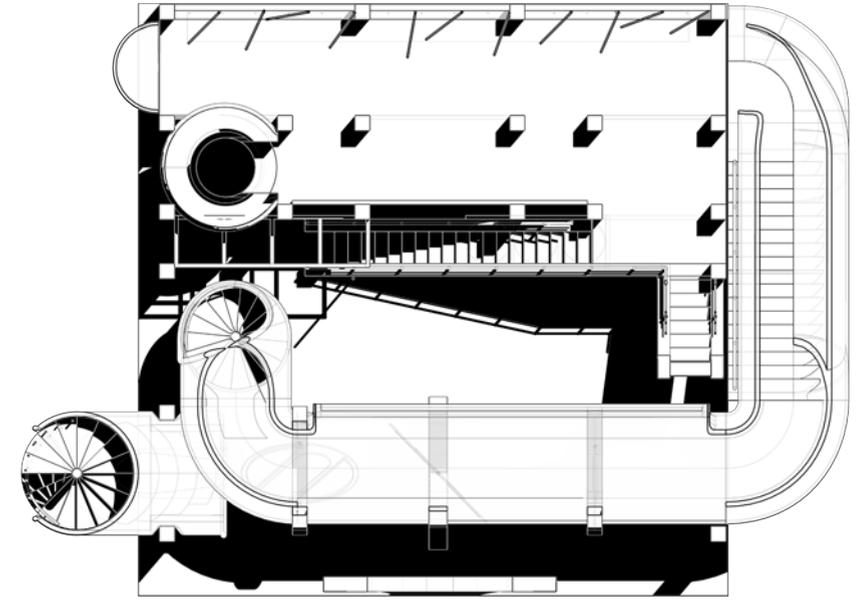
While AI-generated composites established a shared formal language, they lacked the spatial judgment and material nuance of manual design. I therefore printed selected typologies and developed physical collages, reassembling forms by hand to test proportion, adjacency, and spatial logic. These analog studies were then reintroduced into AI workflows to generate refined sketches and atmospheric renderings, creating a feedback loop between manual composition and computational iteration.



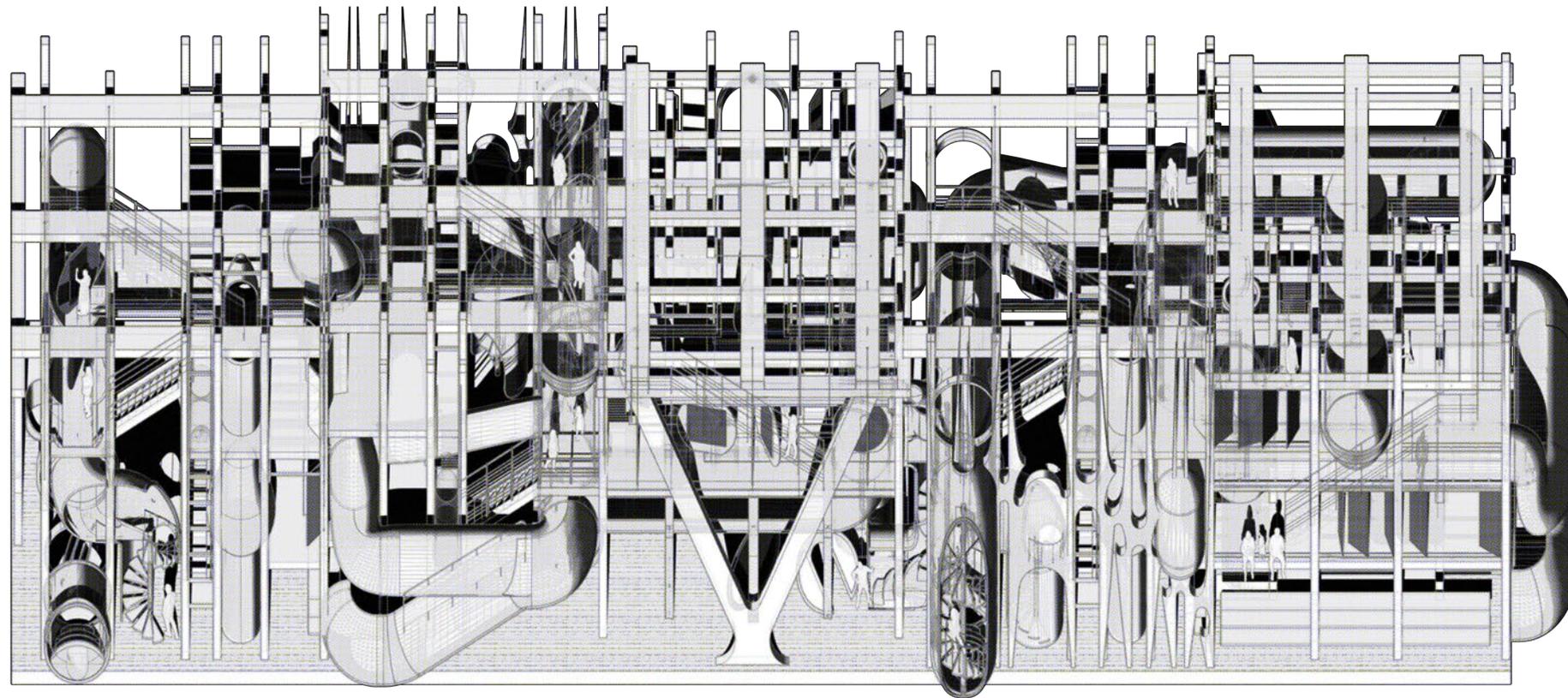
Real Hand Collage with AI Material Library



Initial AI Collage Conceptual Interpretation

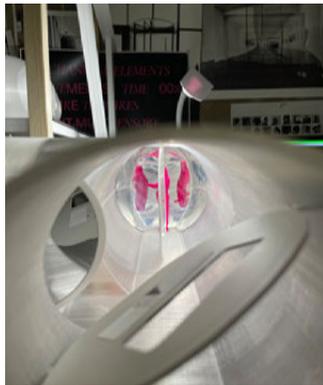
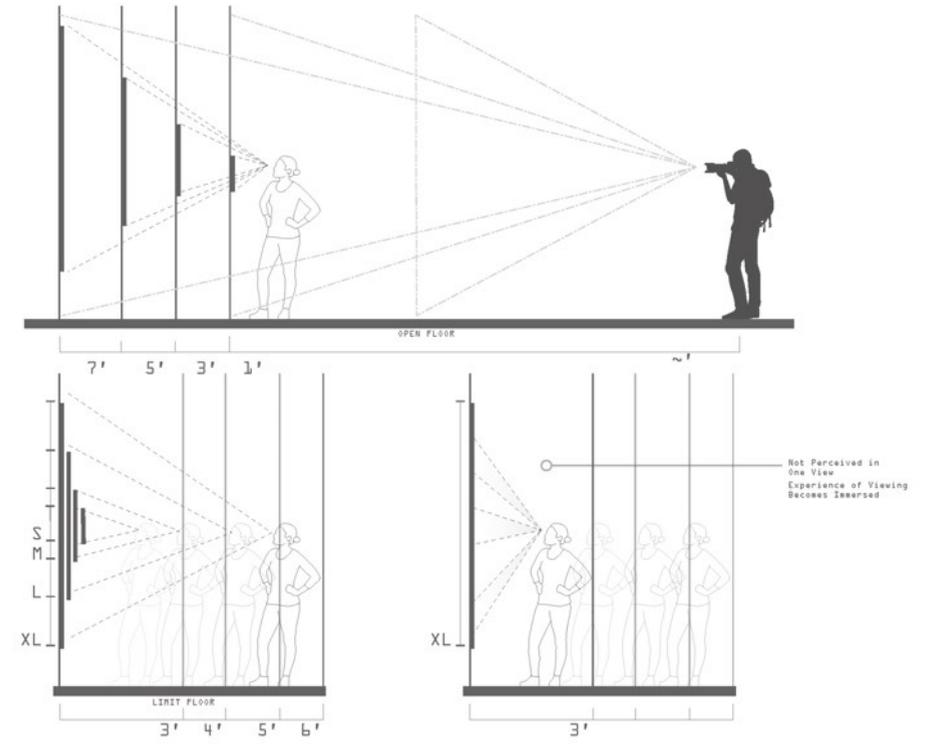


AI-Generated Architectural Redevelopment in Rendering



DIGITAL RECONSTRUCTION AND SPATIAL TESTING

From the developed typological language, key formal characteristics were extracted and reconstructed as three-dimensional models in Rhino to test spatial logic and material presence. This translation from image to geometry allowed the project to evaluate how AI-derived forms perform structurally and spatially within architectural constraints. Building on later studio work exploring digital mediation and stereotomic form, the study framed these models as an initial investigation into how computational imagery can be grounded in physical and tectonic reality.

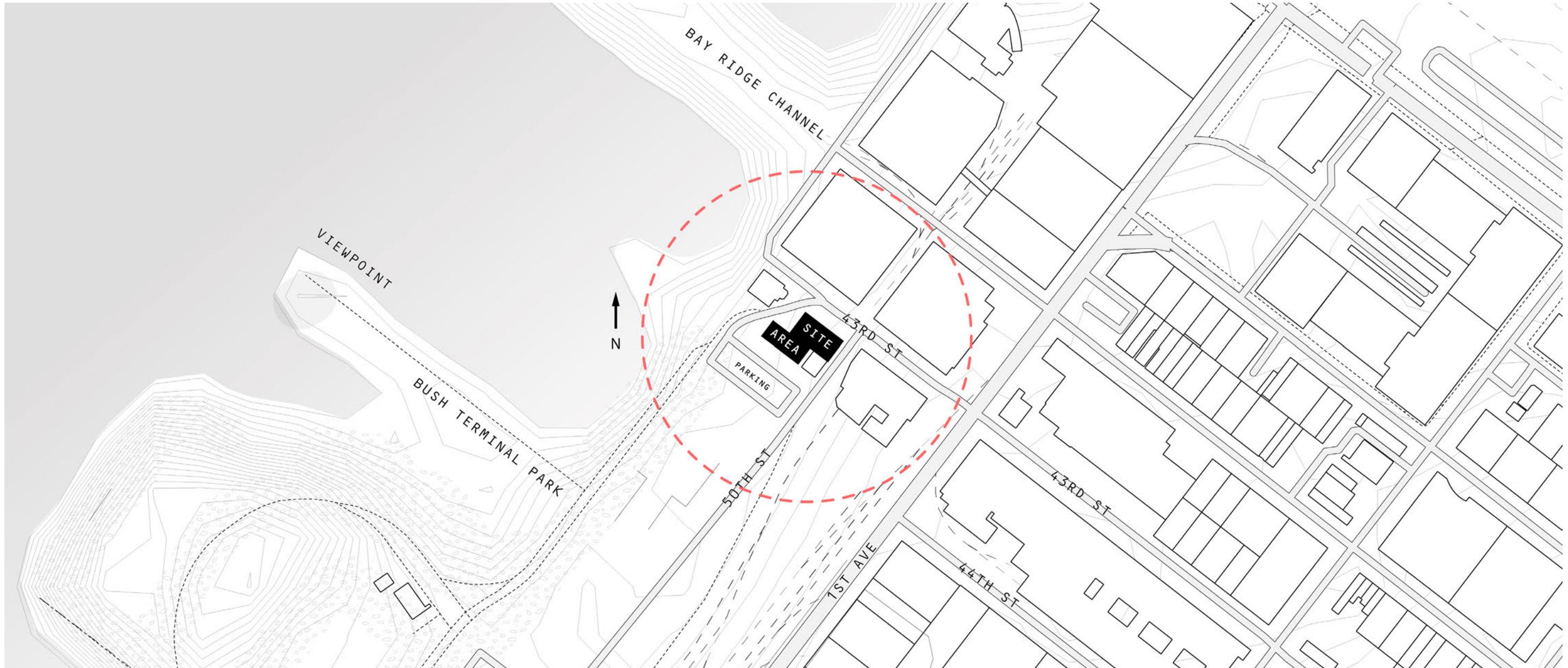
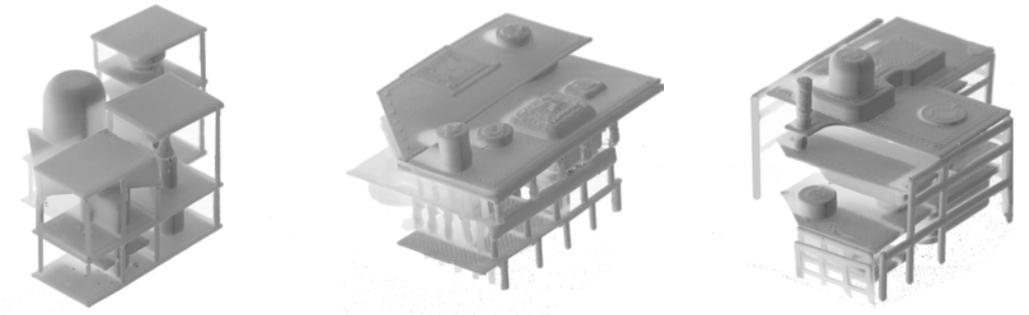


LIGHT AND FORM VIEWING SEQUENCES STUDIES

As a museum dedicated to viewing photography, the project explores spatial sequences shaped by silos and tubular volumes to frame light and perspective. Translucent materials and semi-enclosed tubes create layered viewing conditions, producing controlled illumination and varied atmospheres for exhibition.

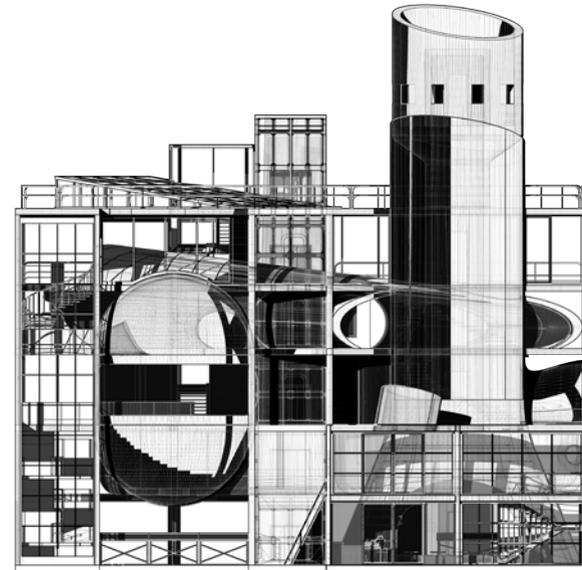
ATERFRONT INDUSTRIAL CONTEXT

The project is sited at the industrial waterfront of Red Hook, Brooklyn, positioned on an existing pier extending into New York Harbor. Its placement mediates between working dock infrastructure and adjacent parkland, linking industrial memory with the surrounding residential fabric.

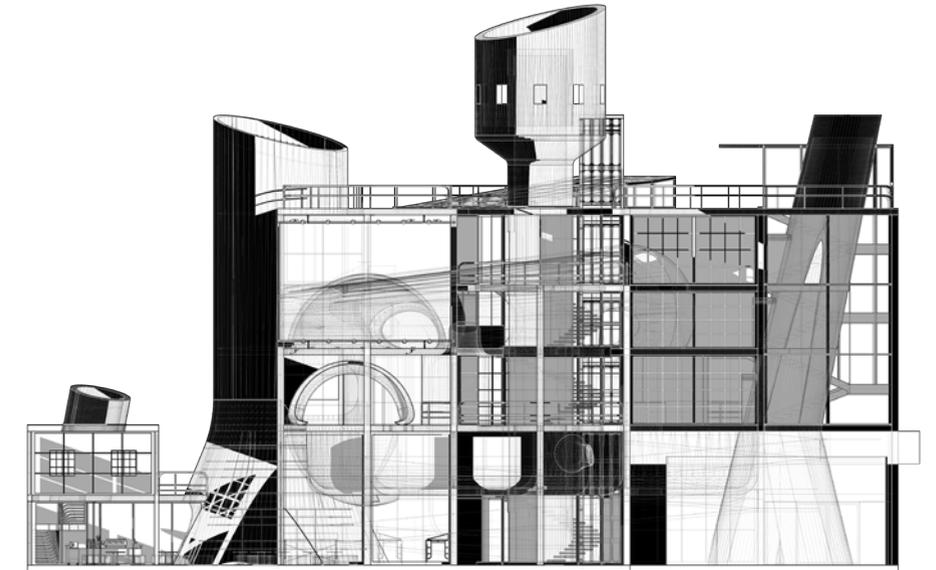


A COMPOSITE PLAN

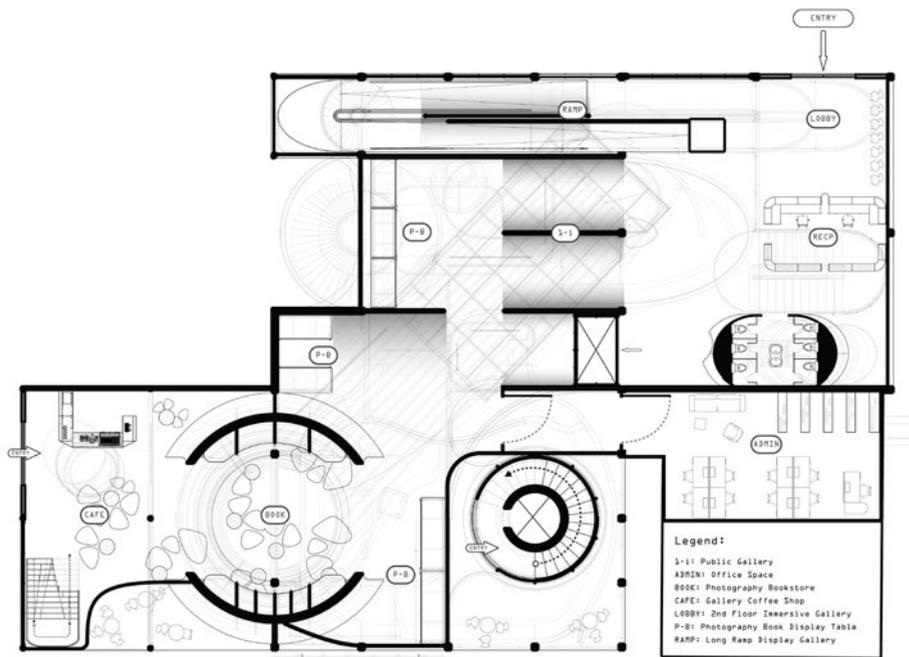
The plan aggregates silo and industrial typologies into a composite arrangement of tubular volumes. Controlled spacing between these forms produces curated interior circulation routes, while the exterior gaps allow more open, continuous movement around the volumes.



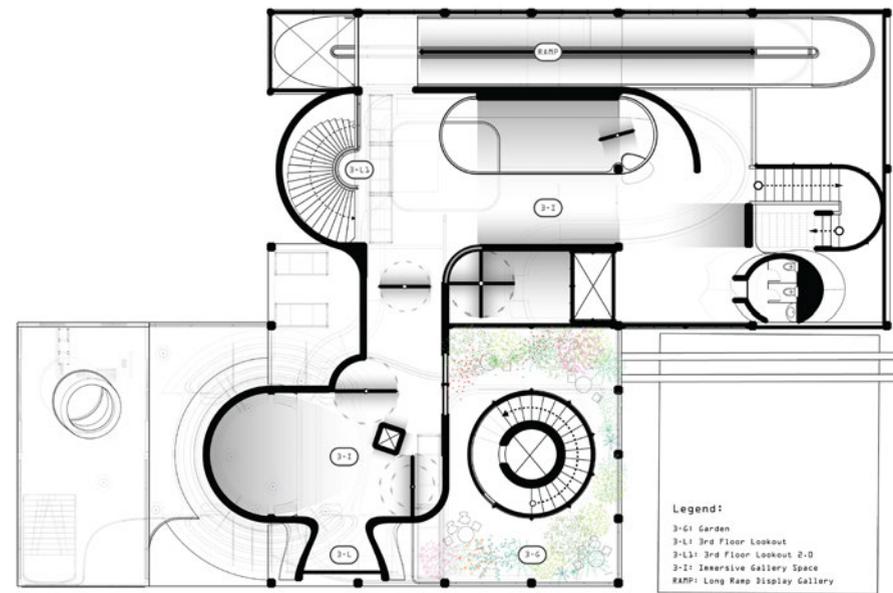
West Elevation



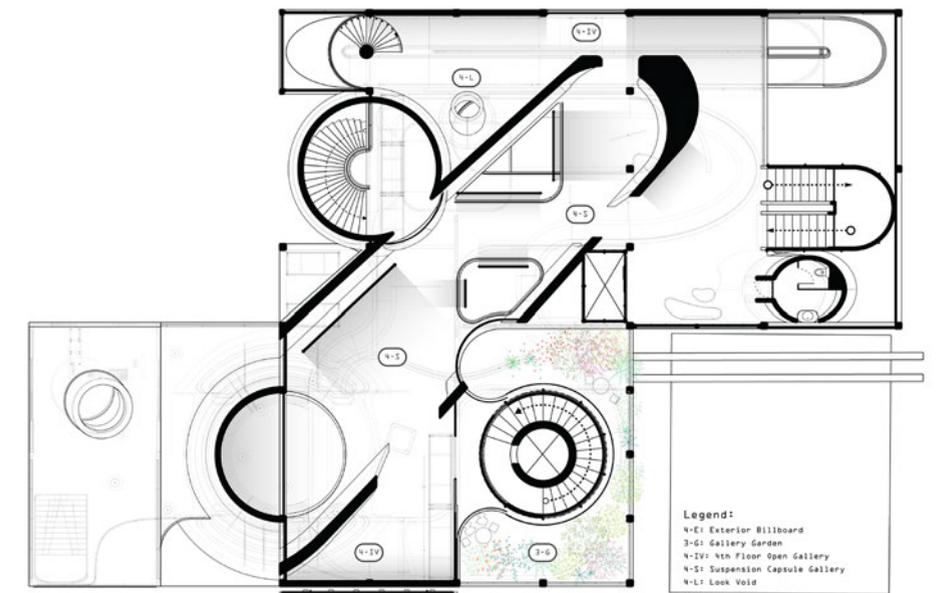
South Elevation



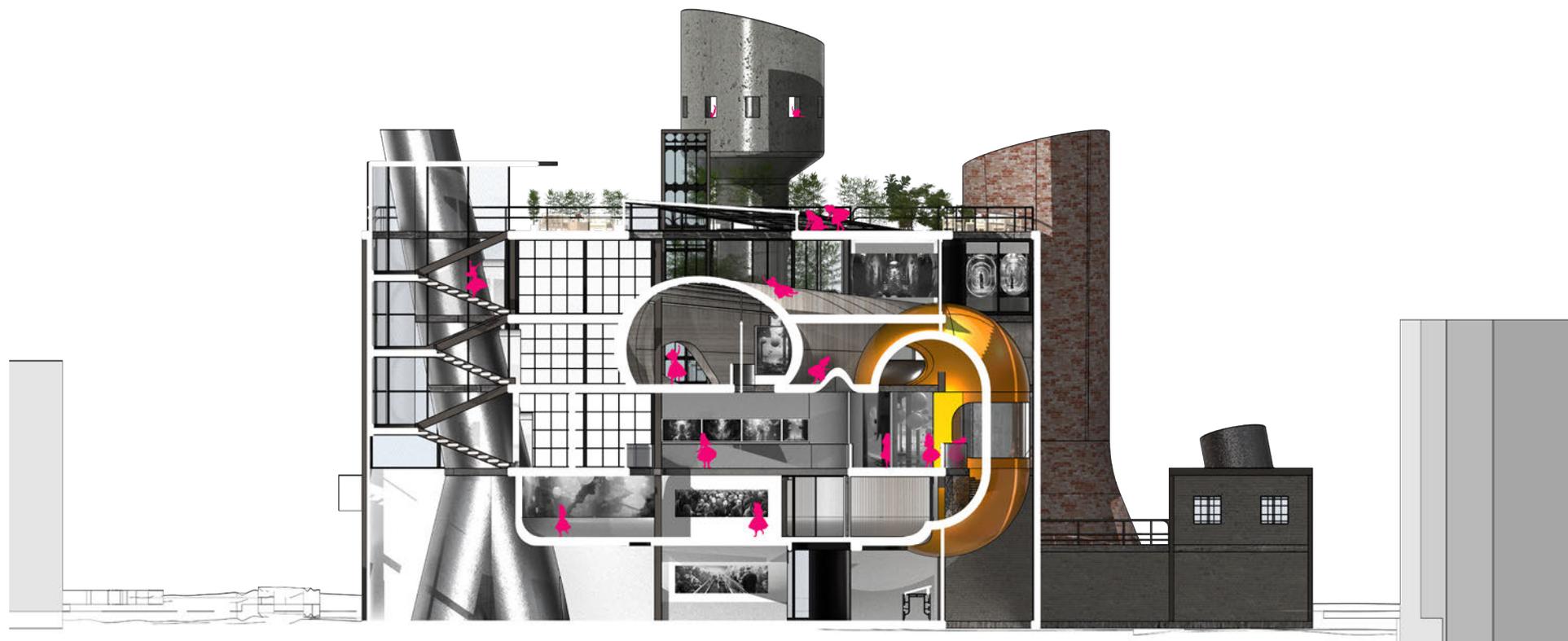
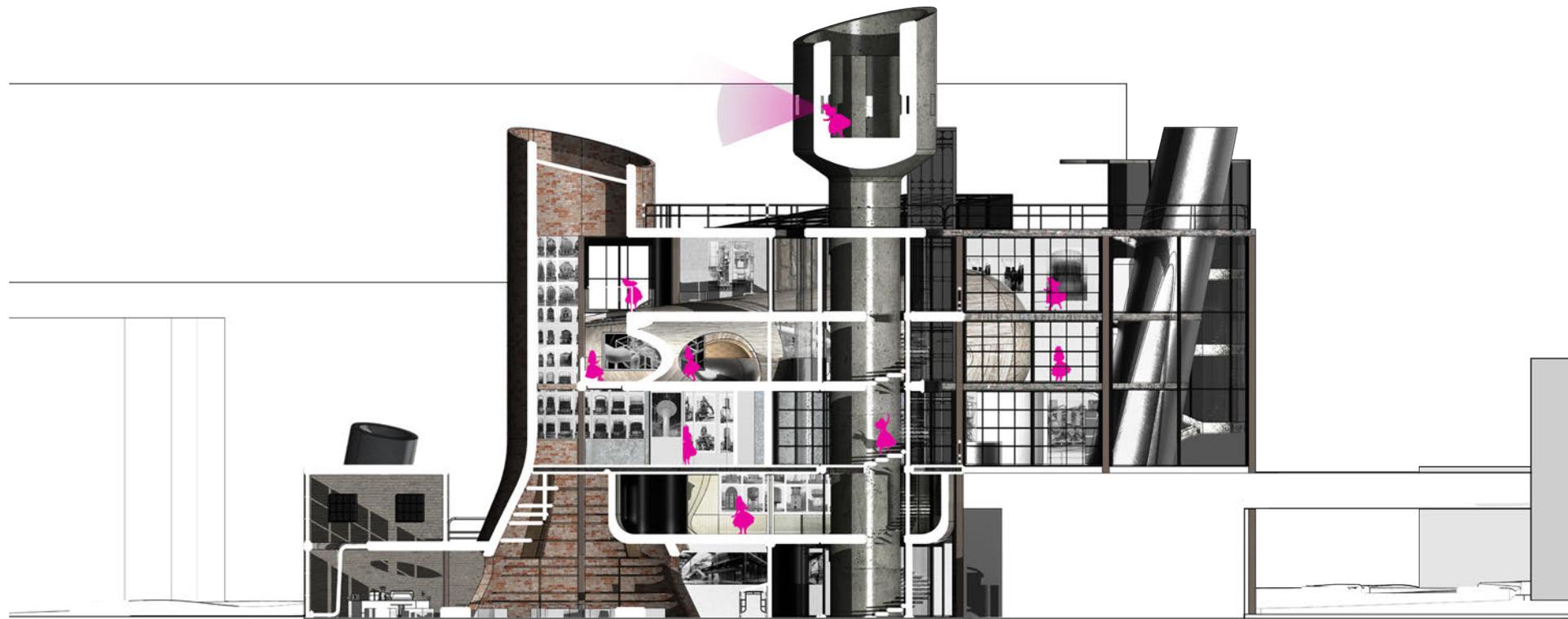
Ground Floor



2nd Floor

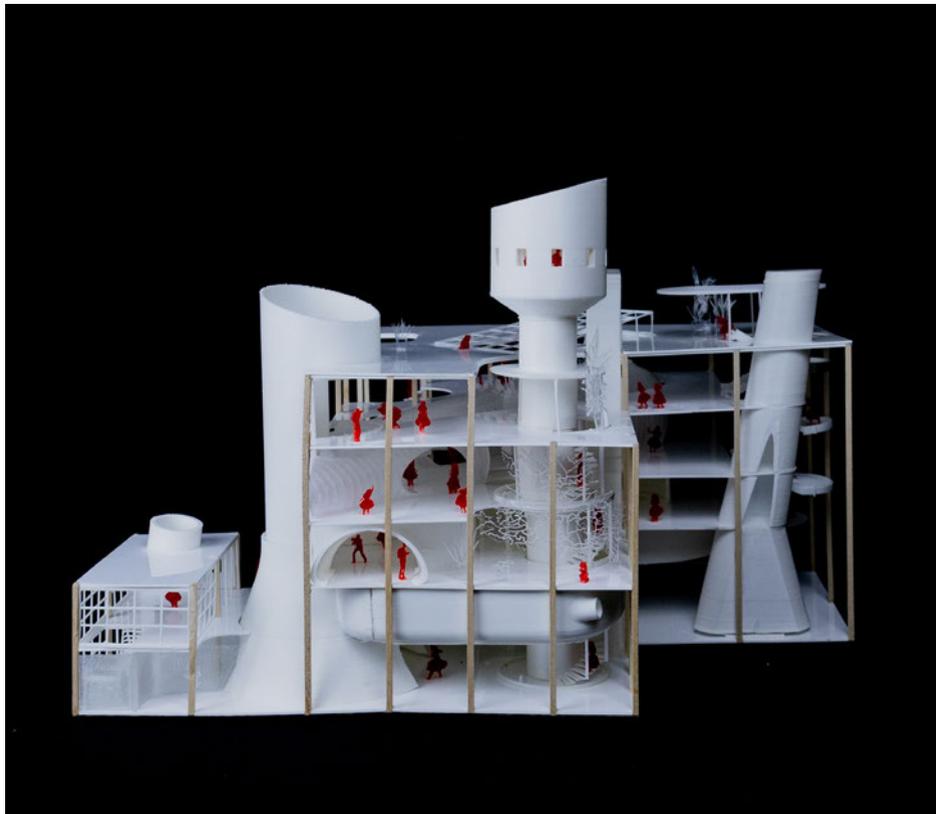
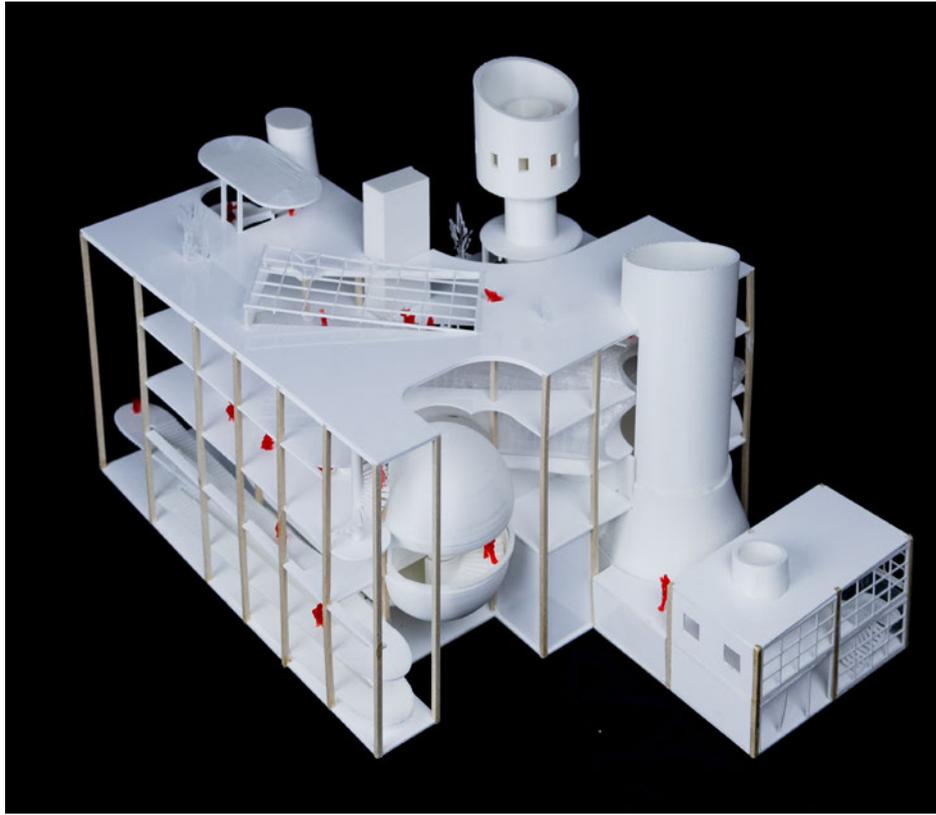


3rd Floor



VOLUMES & INTERIOR-EXTERIOR SECTION STRATEGY

The section organizes controlled exhibition spaces within the silo volumes, while circulation occurs both inside and around them in semi-enclosed zones that blur interior and exterior conditions. Some silos function as vertical circulation cores, while others house galleries, producing layered spatial transitions. Toward the rear of the site, a smaller volume operates as a free public extension—a bookstore and community space serving the Red Hook neighborhood.

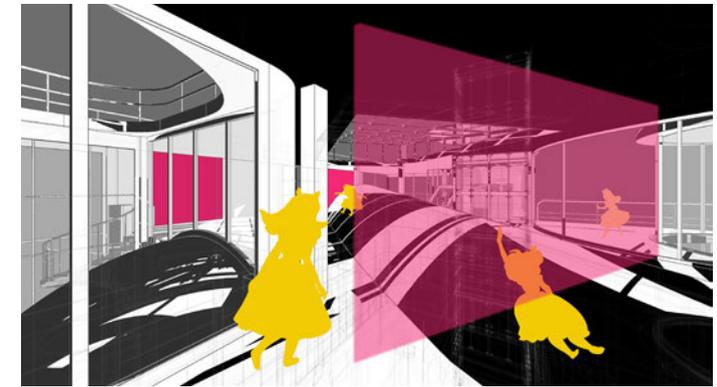
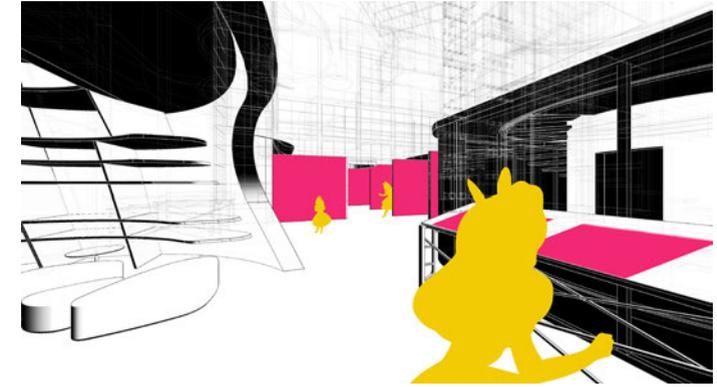
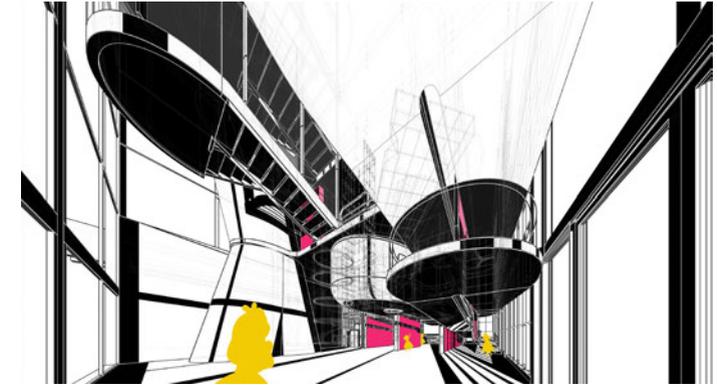
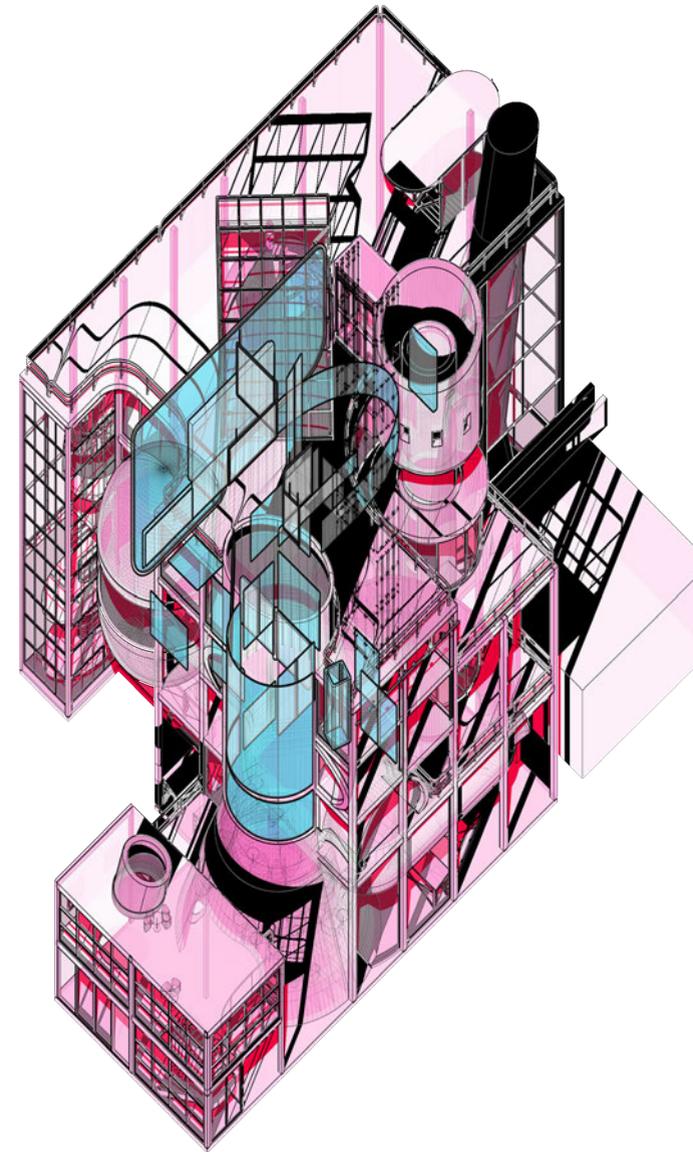
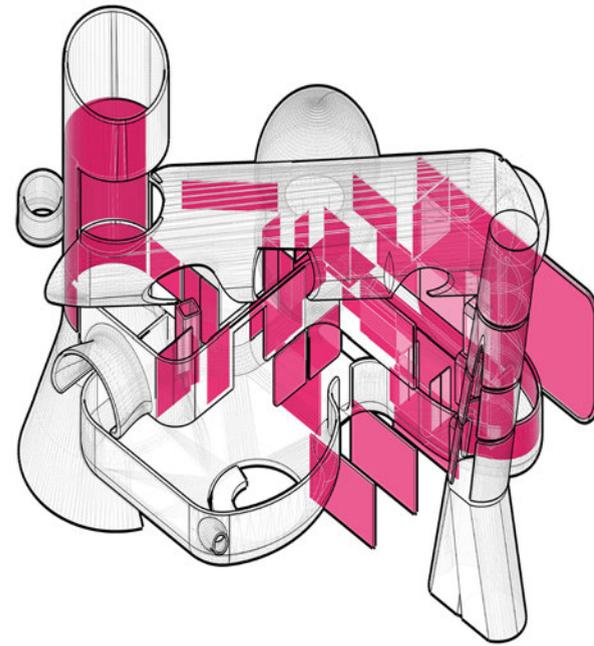


FROM IMAGE TO OBJECT

While AI provides powerful visualization tools, its outputs do not fully translate into material and spatial reality. Physical modeling remains essential for testing proportion, structure, and atmosphere, grounding speculative images in architectural form. Images can suggest ideas, but models communicate space with greater clarity and precision.

INTERIOR EXPERIENCE

The interior experience is intentionally fragmented through varying viewing distances, wall scales, and curved surfaces that distort perception. These shifting conditions create multiple modes of seeing, from close, intimate encounters to distant, panoramic readings of the work.

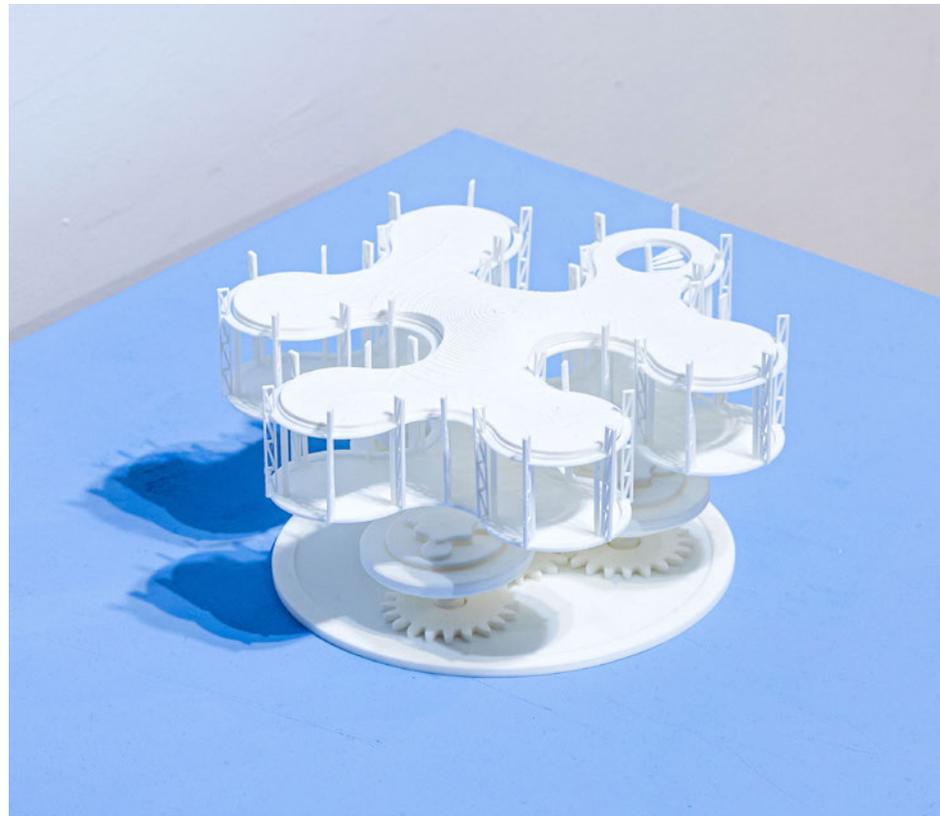
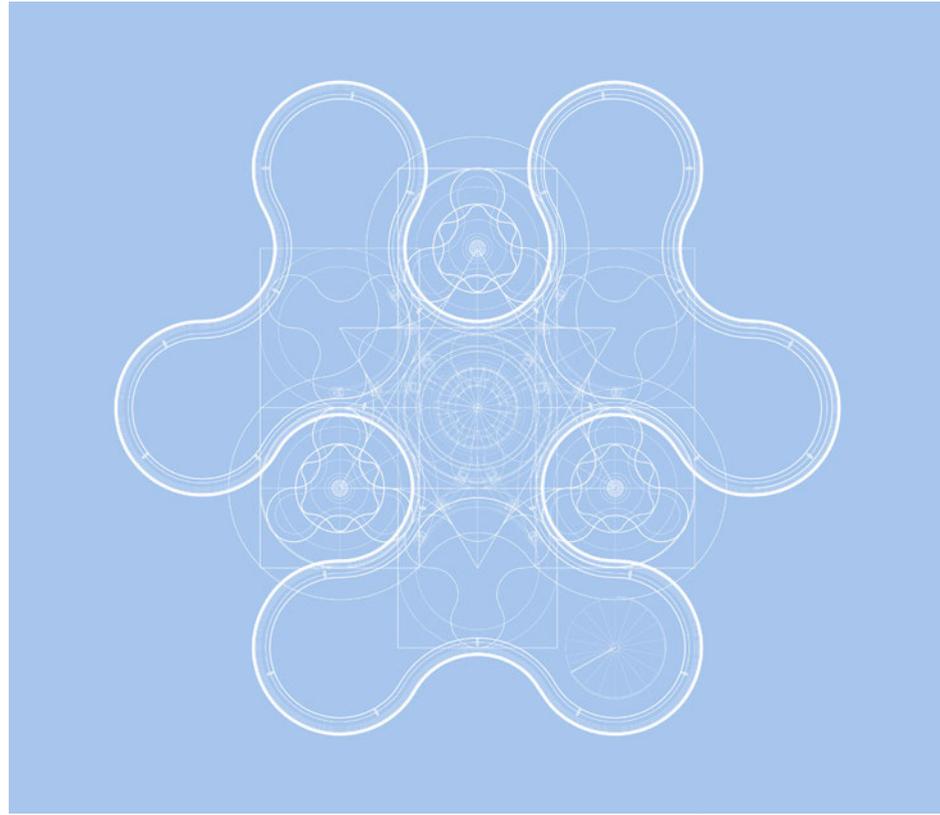


Leo J. Kuhn Entrance Lobby

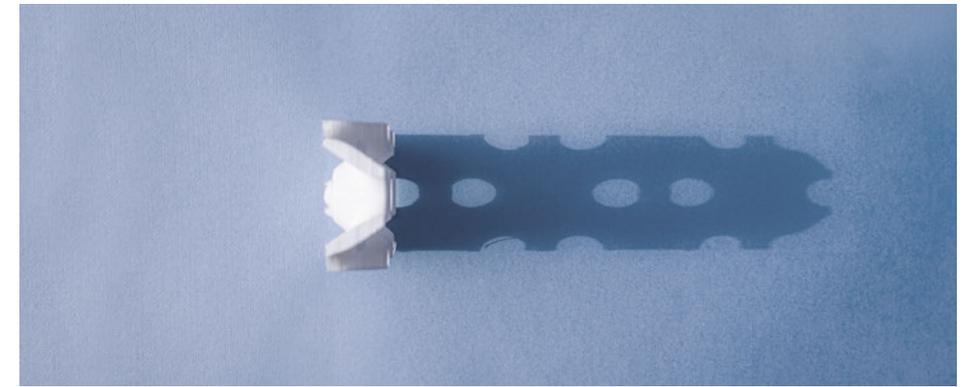
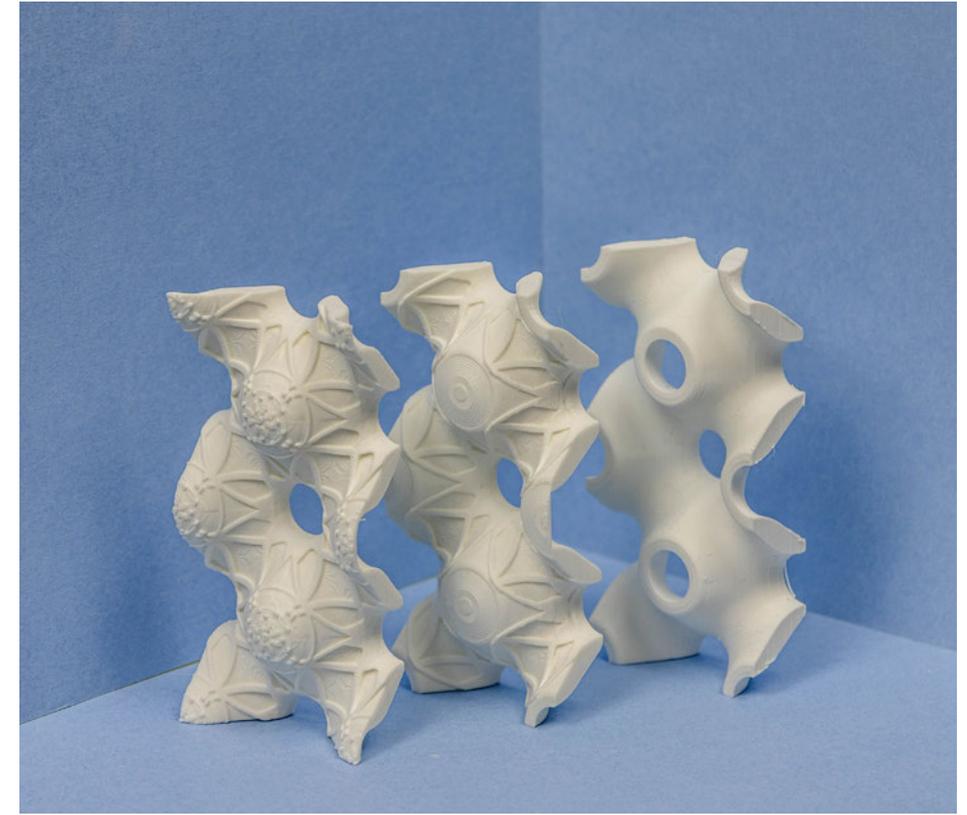
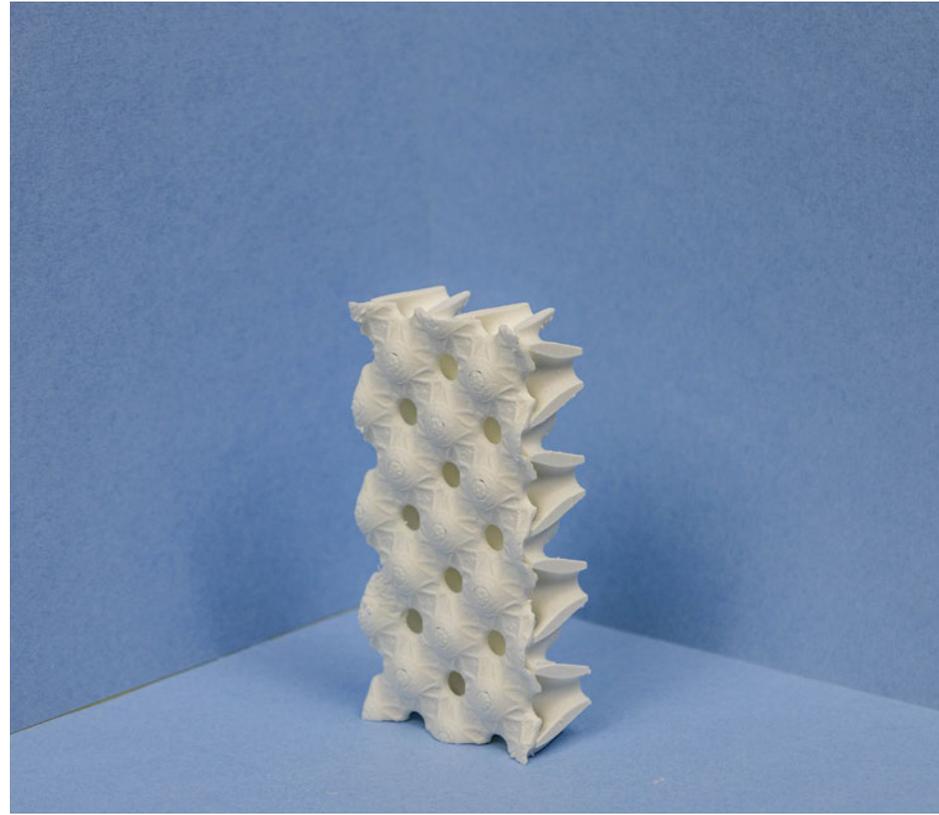
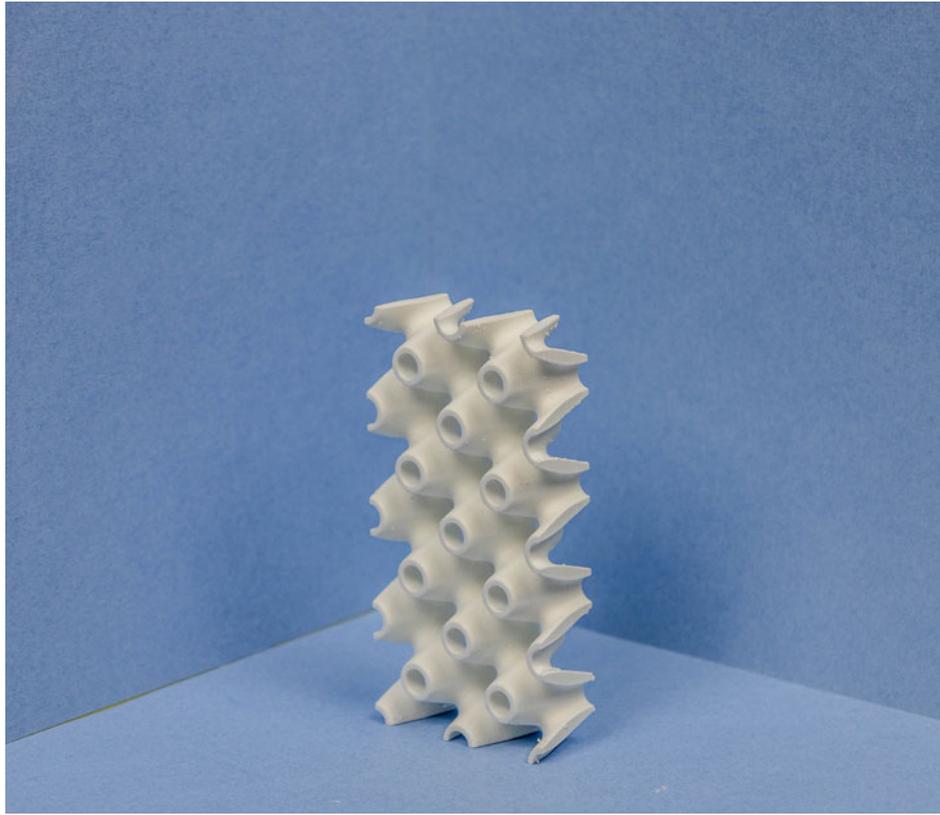


Research Professor: Karen Bausman

Deployable Structures Research (2024-25) explored large-scale waterfront architecture with dynamic, adaptable designs. Focusing on vertical and rotational movement to respond to tides, the study integrated structural stability, sloped roofs for drainage, and wind turbine facades for energy. Balancing technical complexity with spatial quality, the research utilized shear models and diagrams to refine concepts, demonstrating architecture's potential to merge engineering, sustainability, and user-centric adaptability.

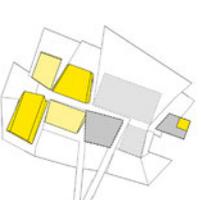
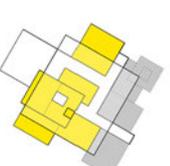
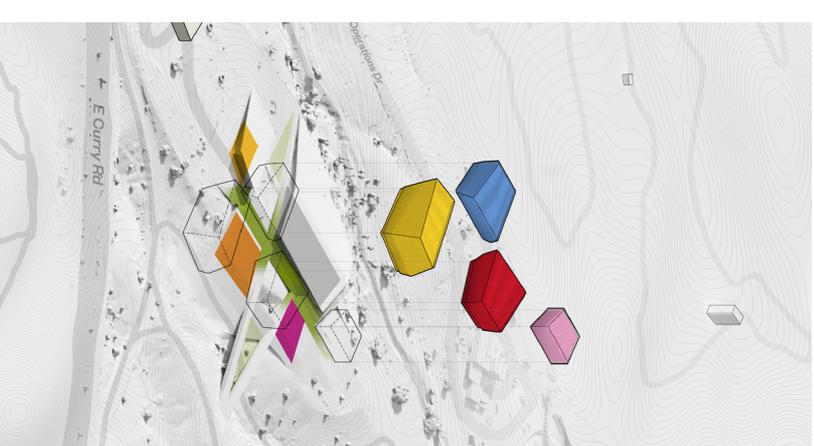
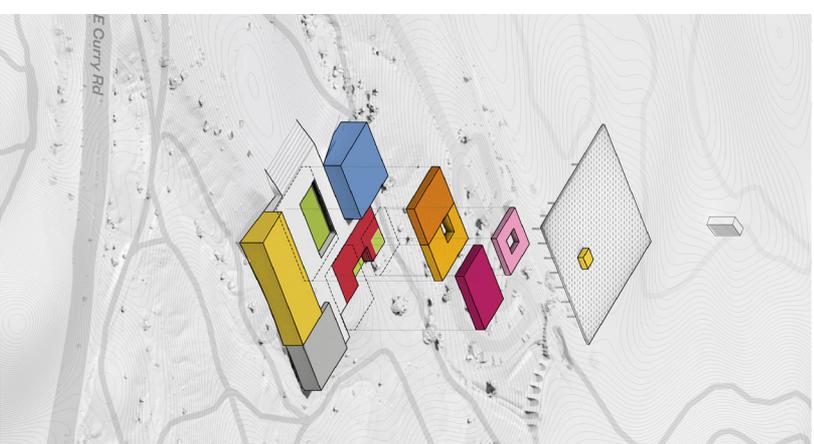


During 2024, we examined deployable structures, focusing on their dynamic functionality for large-scale waterfront architecture. The aim was to design structures capable of vertical and rotational movements to adapt to changing tides while incorporating essential architectural features. These included large-scale spaces for activities, structural systems for stability, roof designs with slopes for rainwater drainage and natural light, and facades integrated with wind turbines for energy generation.



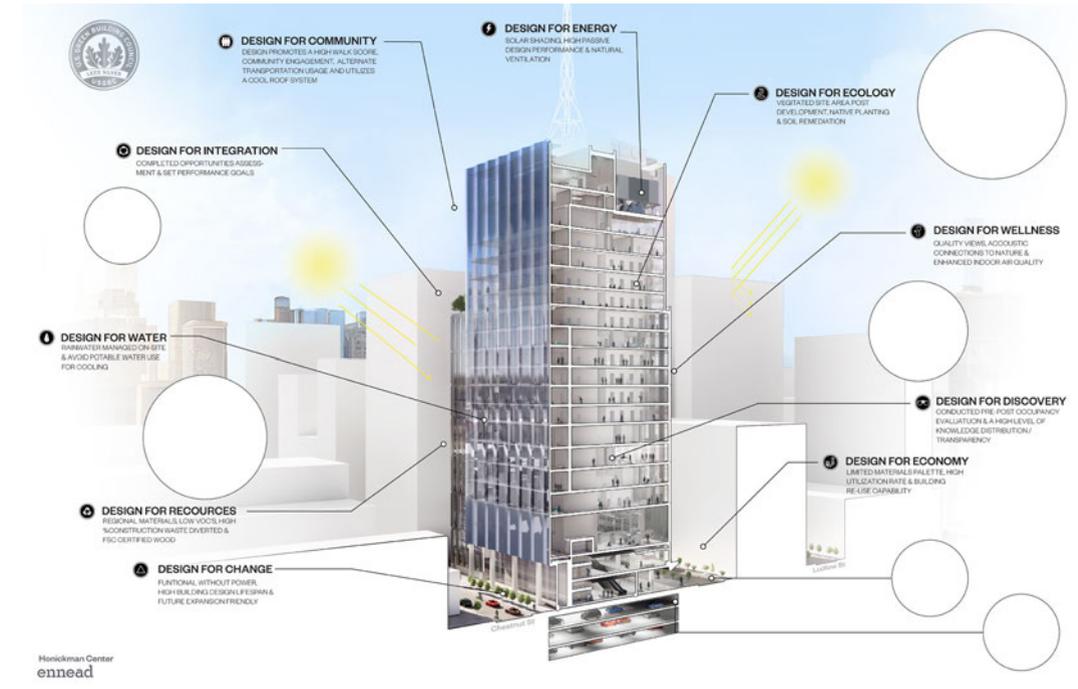
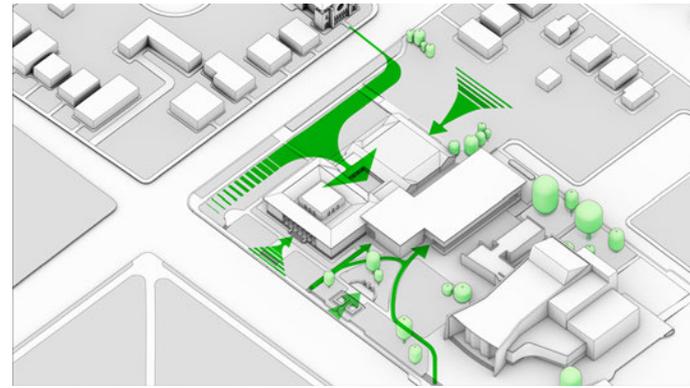
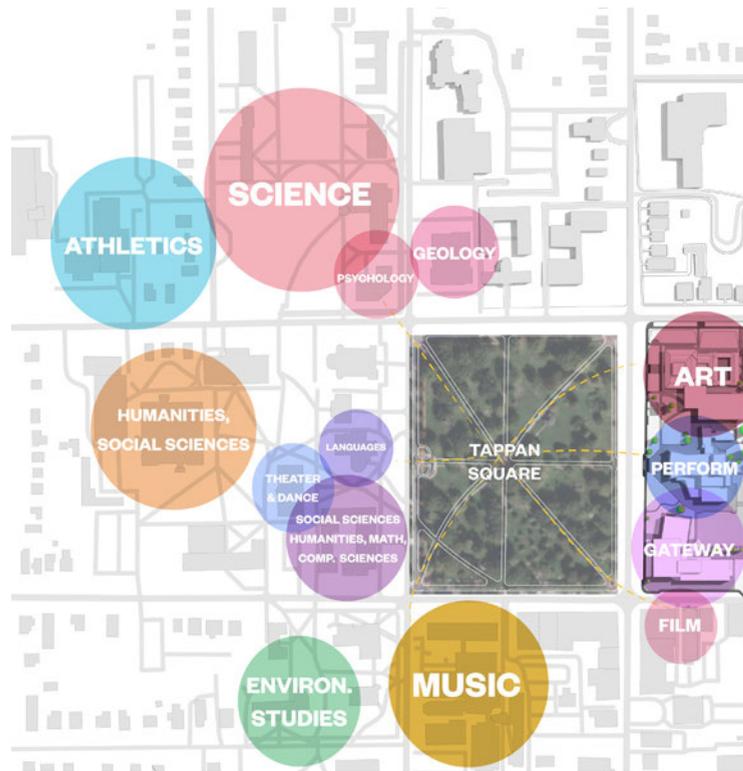
Directional Ventilation Modules/Panels

In parallel, we developed modular components to study directional wind control. Wind-filtering panels and porous brick modules were designed to guide airflow through specific openings, improving comfort and microclimate performance. The model above documents these airflow experiments.

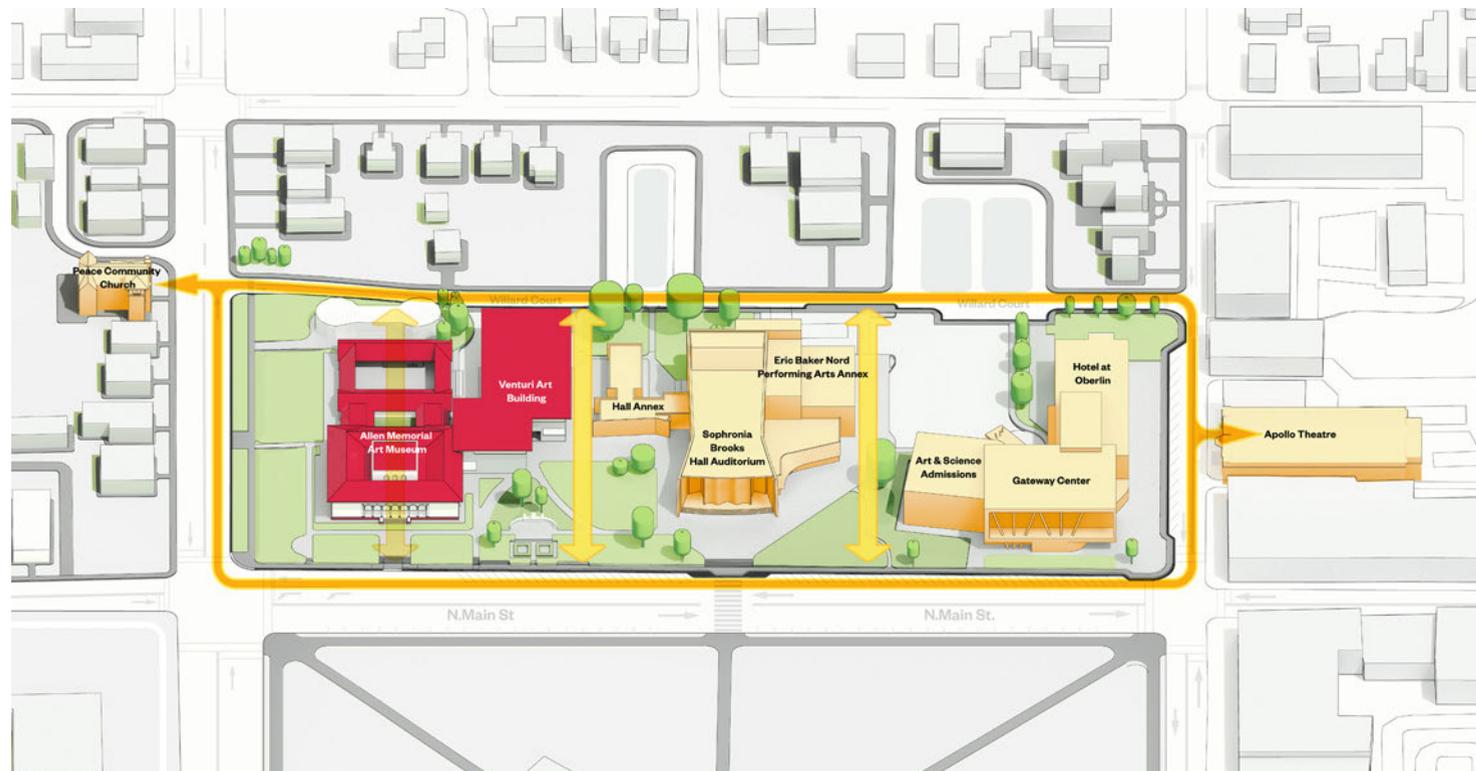


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RFP: Adaptive Reuse: Shopping Mall to Biomedical Research Facility



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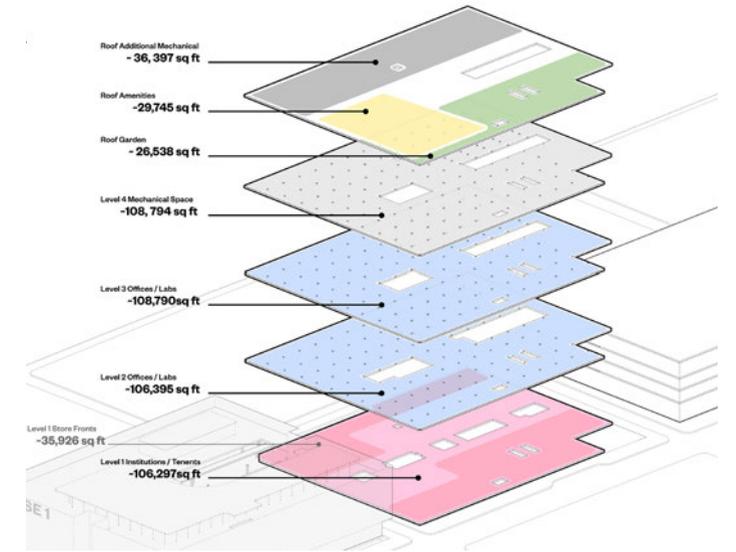
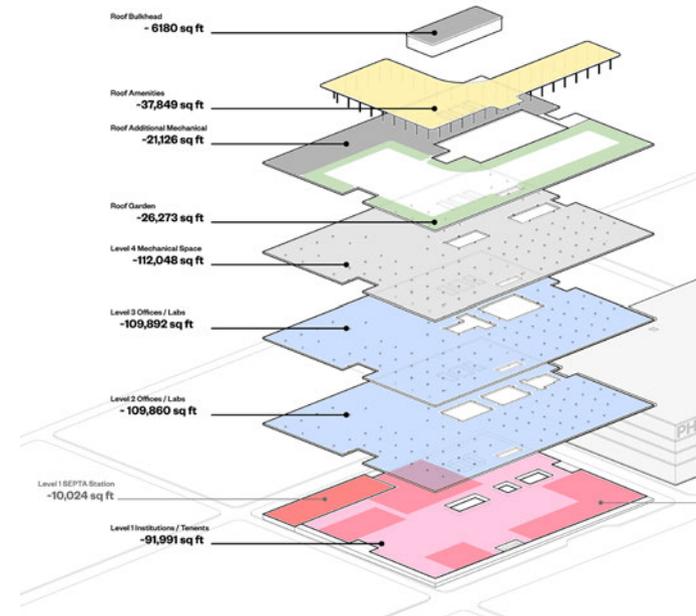
Strengths in Design, Visualization, and Collaborative Communication

At Ennead, I obtained my LEED GA certification and contributed to sustainability-focused projects through environmental analysis and diagram production. Building on my undergraduate minor in sustainability and background in graphic design, I am highly proficient in visualization software and able to produce clear, effective graphics efficiently. I work well in collaborative environments and adapt quickly to project needs and workflows.

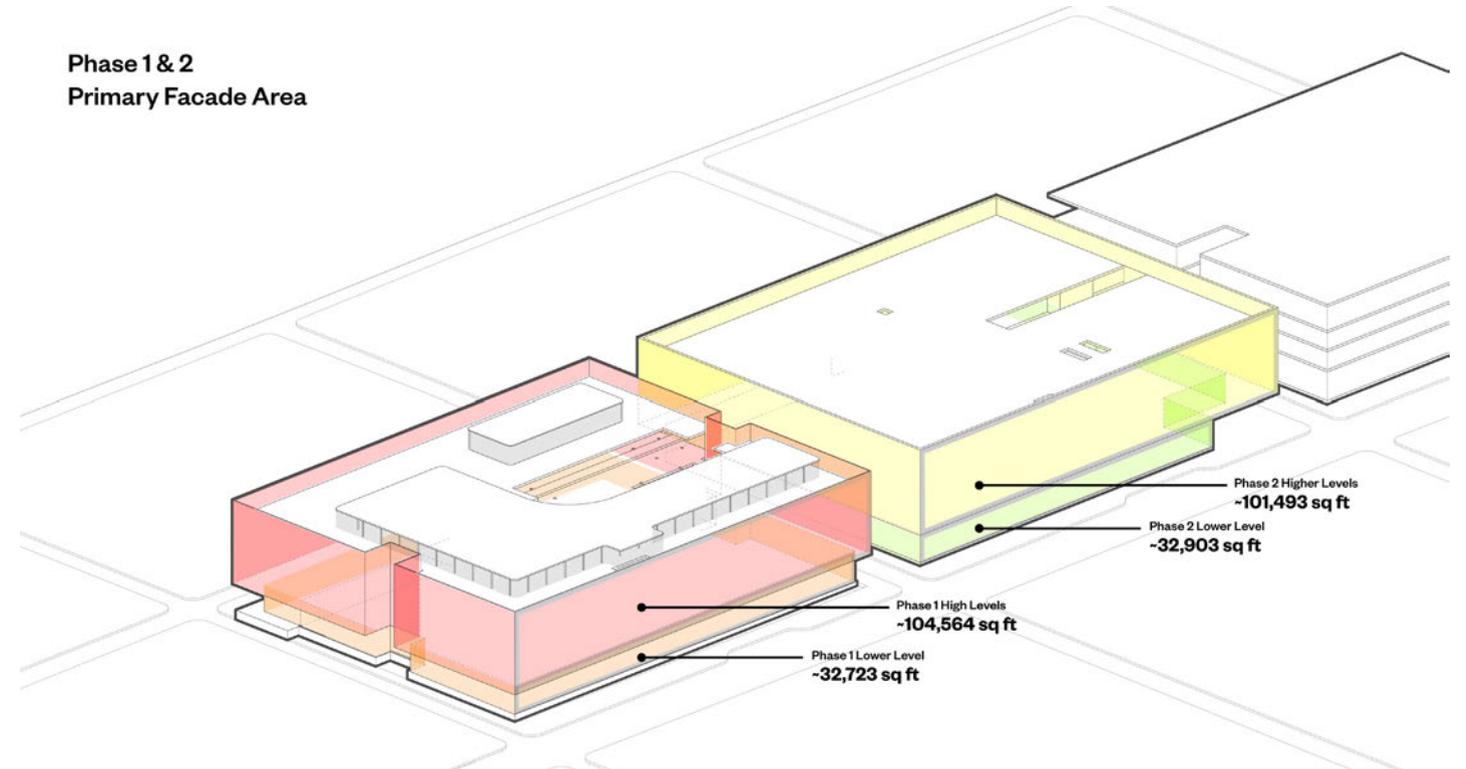


Ennead Experience

At Ennead, I worked on healthcare and cultural projects, with the materials shown here reflecting some of my individual contributions. While my role centered on competitions, schematic design and visualization, I am seeking greater exposure to design development, construction administration, and project delivery as part of my AXP progression.



Phase 1 & 2 Primary Facade Area



RFP: Adaptive Reuse: Shopping Mall to Biomedical Research Facility

Phasing Diagrams

Volunteering
NYC, USA & VAN, CAN | AIA Center for Architects, WIA, etc



WIA.NYC Event



WIA Committee Meeting

Visual Communication and Professional Outreach

My background in graphic design and photography led to opportunities to document events at the NYC Center for Architecture and AIA programs. This role expanded my professional network through firm visits and conversations with architects across disciplines, including many women leaders in the field. Photography and branding became tools for both visual communication and meaningful professional connection.



Femmes of the Future at Gensler



AIA Center for Architect Events Night

Elle Qirui Fang
Internship 2026

EDUCATION

Master of Architecture (M.Arch II)
Yale University, NH, CT, USA | 08.2025 - 05.2027

Bachelors of Architecture & Minor. Sustainability Studies
Pratt Institute, BK, NY, USA | 08.2020 - 05.2025

EXPERIENCES

Architectural Design Intern
Ennead Architects
06.2024 - 08.2024, 2025 | NYC, US
Competition, Healthcare, Culture

Research Associate
NYC Future: Wind Power & Waterfront
08.2022 - Present | NYC, US
Fabrication, Design, Exhibitions

Undergraduate Chair's Assistant
Pratt Institute School of Architecture
03.2024 - 02.2025 | BK, NY, US
NAAB Accreditation Support

SKILLS

Digital Tools & Visualization:
Rhino, Revit, AutoCAD, SketchUp,
Grasshopper, Adobe Suite (Full), En-
scape, V-Ray, D5, Mid-Journey, Twin-
motion, Maya, Blender, 3D Scanning.

Fabrication & Prototyping:
Woodworking, FDM 3D printing, robotic
3D printing, robotic arm, laser cutting,
ZUND, CNC routing, casting, resin, and
silicone molding.

RECOGNITIONS

2024 LEED Green Associate
2024 AIA Allwork Scholarship
2024 Donna & Martin Rich Travel Fund
2023 RIBA Bronze Medal Part1 Nominee

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www.qr3lf.com/portfolio

