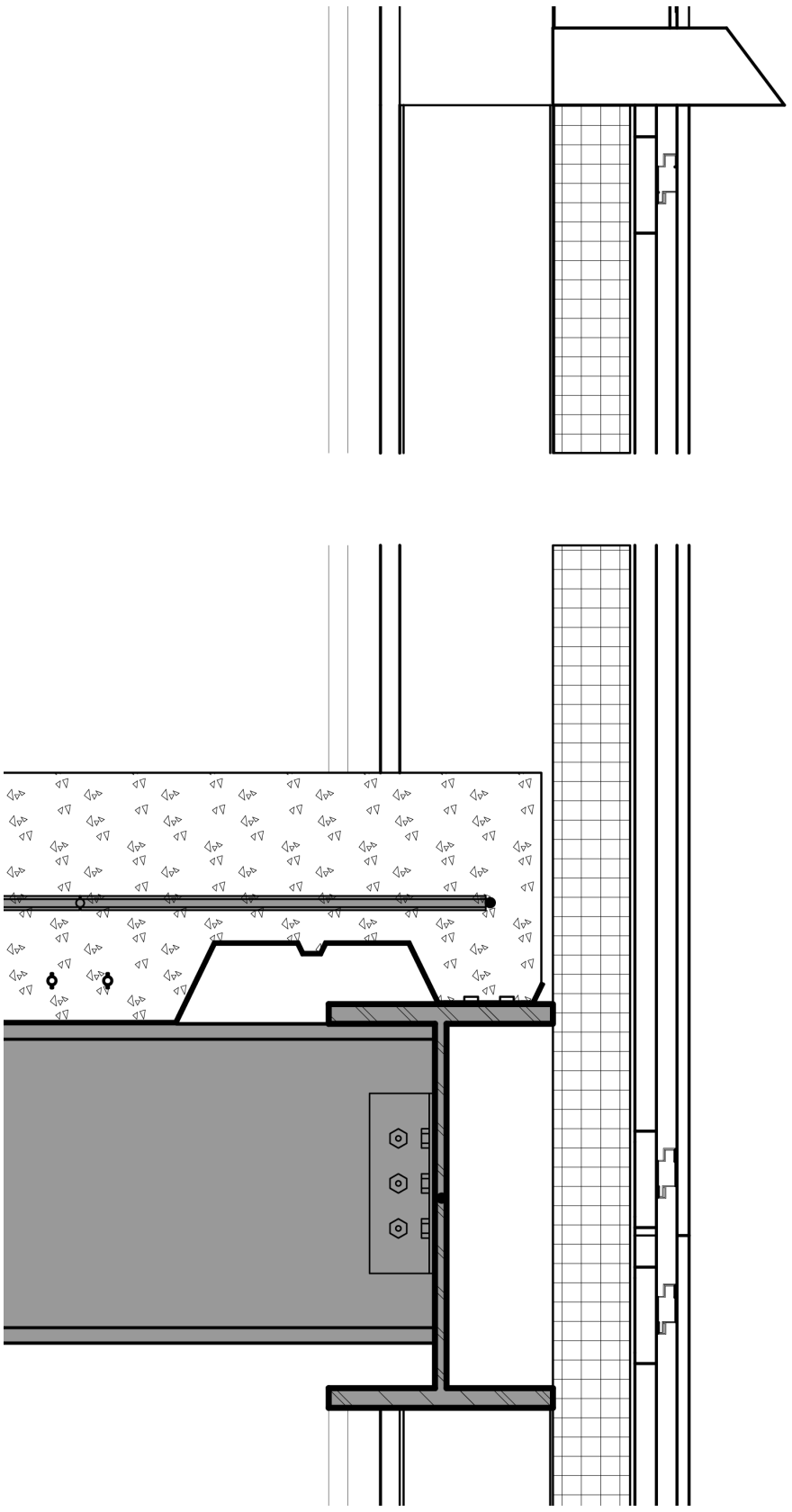
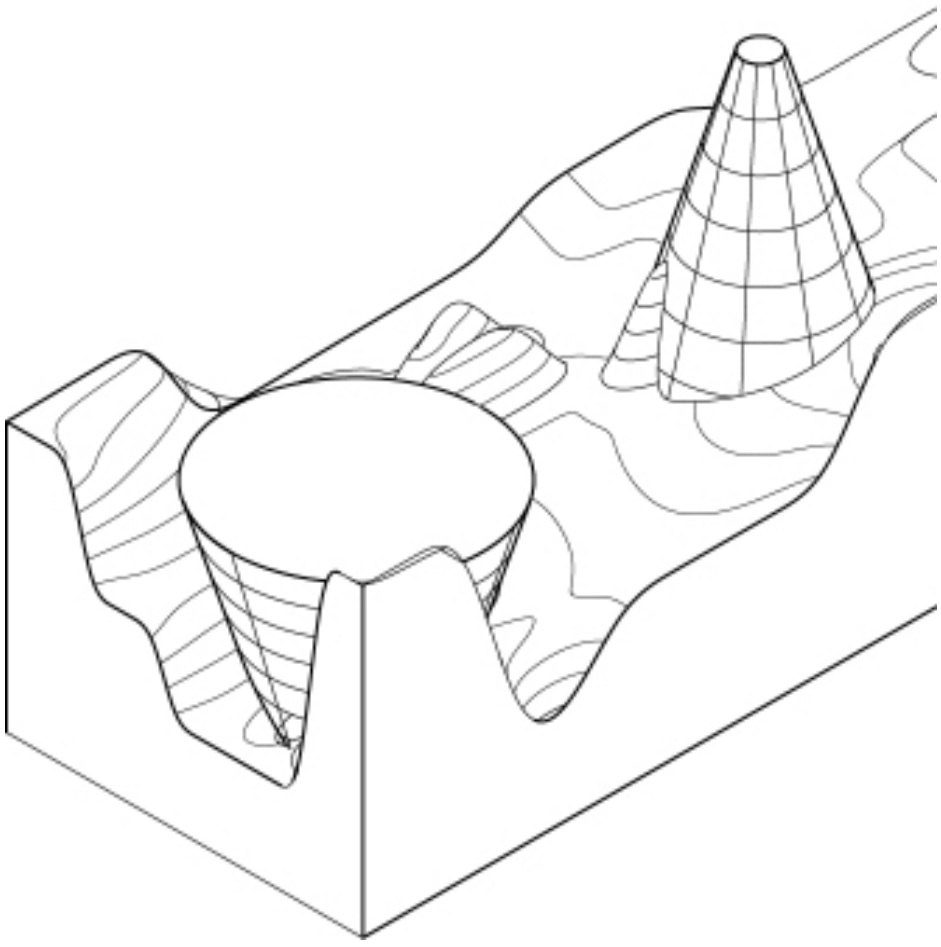




JUSTIN RIVERA

JUSTIN RIVERA

29-31 Gerson Ct., Far Rockaway, NY 11691
1(347)-579-5969 • justinrivera88@gmail.com

Education:

Spitzer School of Architecture at City College of New York, New York, NY — Aug. 2020 - May 2025
- **Bachelor's Degree** in Architecture

Borough of Manhattan Community College, New York, NY — Sept. 2015 - Dec. 2018
- **Associates Degree** in Liberal Arts

Baruch College Now Program, New York, NY — Sept. - Dec. 2013
- (early college credit) Psychology 101

School of the Future, New York, NY — Sept. 2011- Jun. 2015
Graduation Date: June 2015
Exhibitions are required at School of the Future to graduate. They are to compensate for the regents exams. One completes an extensive paper in each of the core subjects followed by an oral presentation with visual aids using PowerPoint.

Experience:

School Construction Authority, Long Island CIty, NY — Dec. 2023 - Nov. 2024
Intern
- Developed clear visual diagrams and illustrations to communicate project management workflows.
- Facilitated LifeCycle Cost Management meetings, directed by registered architect Mi Zhang.
- Participated in preliminary and 60% design meetings.

Costco, Lawrence, NY — Jun. 2023 - *currently*
Front End
- Engage in regular store operations like sales and stocking.
- Operated

Gentlemen's Resale, New York, NY — Sept. 2021 - Jan. 2022
Sales Associate
- Facilitated sales of pre-used clothing, accessories, and shoes.
- Reviewed clothing for consignment, considering brand, the condition of the garment, and its age.
- Provided aid in measuring for suit fittings
- Used deep knowledge of fashion and tailoring to provide unique customer service

Bloomingdale's, New York, NY — Apr. 2018 - Aug. 2020
Sales Associate
- Facilitated retail transactions (sales, returns, exchanges, etc.)
- Followed a floor sales plan and managed a client book
- Attended regular meetings on current fashion, trends in Menswear and Womenswear

Chess NYC, New York NY — Apr. - Aug. 2017, 2018
Summer Camp Counselor
- Watched over and engaged with children
- Followed and facilitated a rigorous chess curriculum created to develop and sharpen chess skills.
- Worked with and aided highly ranked grandmasters in chess instruction for children of all ages.

Garrison Architects, Brooklyn, NY Feb. 2014 - Aug. 2014

Intern

- Architectural Cataloging, handled and transported project blueprints.
- Learned the basics of 3D design programs such as Rhinoceros 4.0,
- Shadowed architectural designers and participated in client meetings.

Interests/Skills:

- Eager to learn new information/skills, and a fast learner
- Fascinated in fashion history, design theory, culture, and the arts.
- Experience in working as a team

Academic

Substation II
Nandini Bagchee, 2025

The Stone Skeleton
Damon Bolhassani, 2024

Mach SpaB
Jeremy Edmiston, 2024

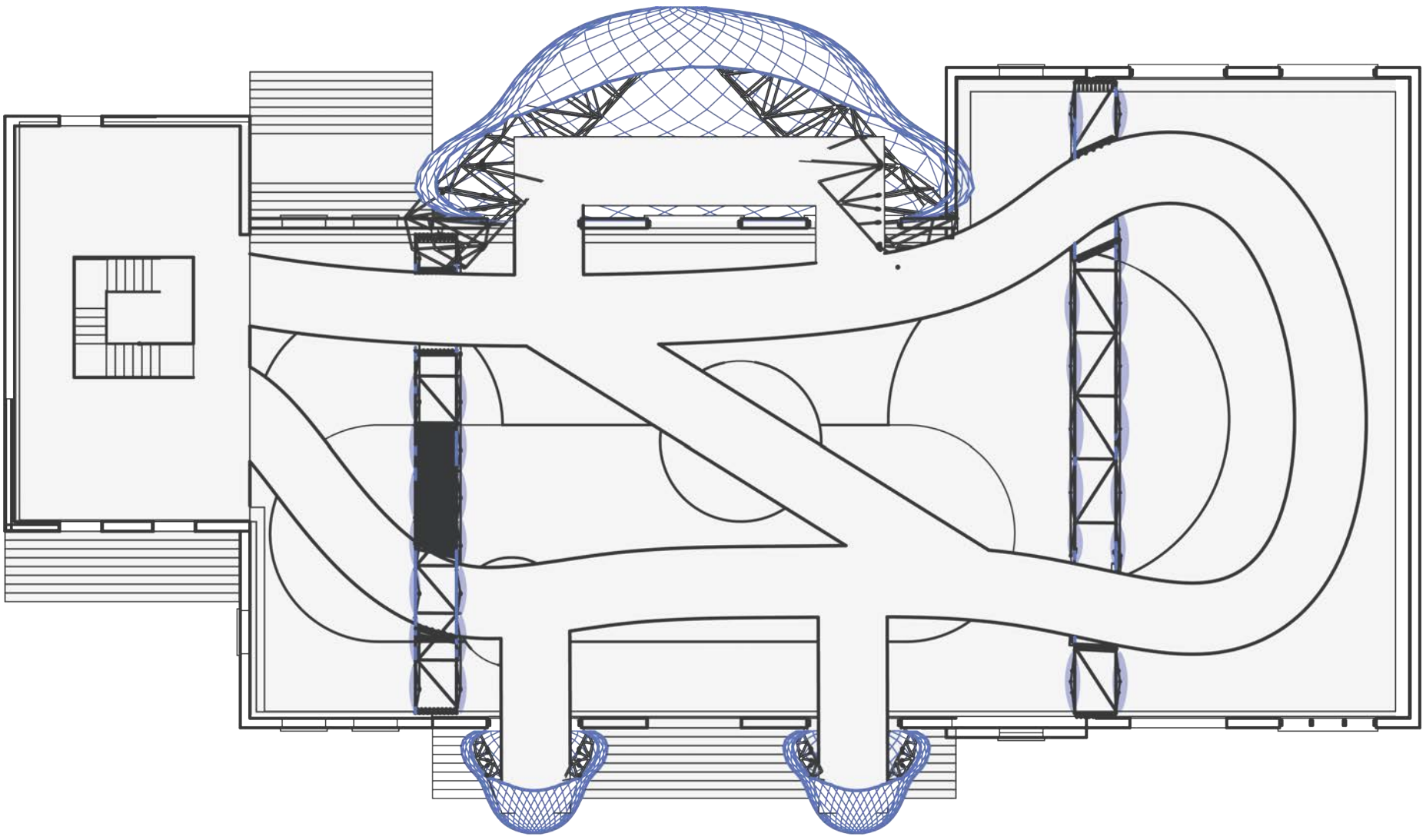
African Burial Ground
Jerome Haferd, 2023

Townhouse
Christian Volkmann, 2022

Extracarricular

Corporate Accommodations
Chair Design, 2024

Graphic Respresentation
LifeCycle Cost Management
School Construction Authority, 2024

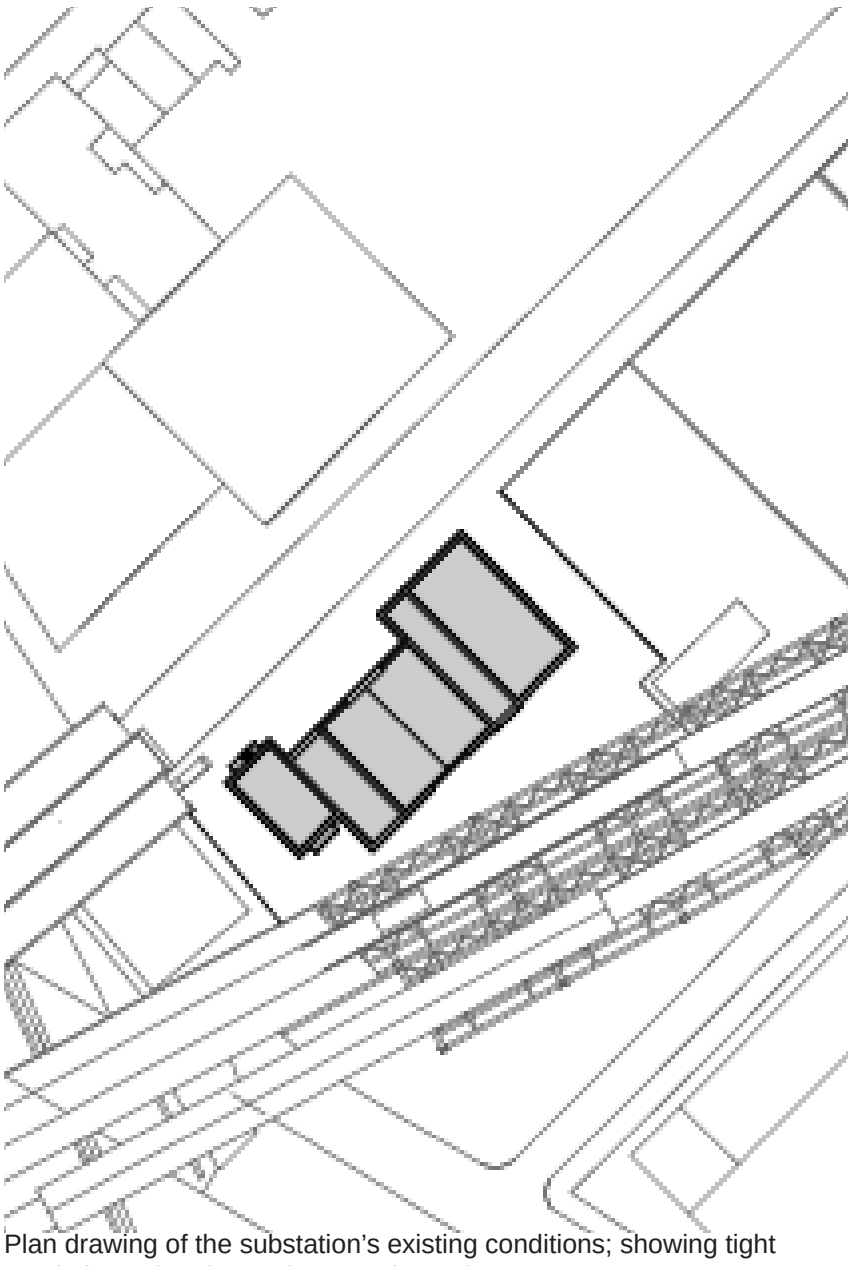


Substation II

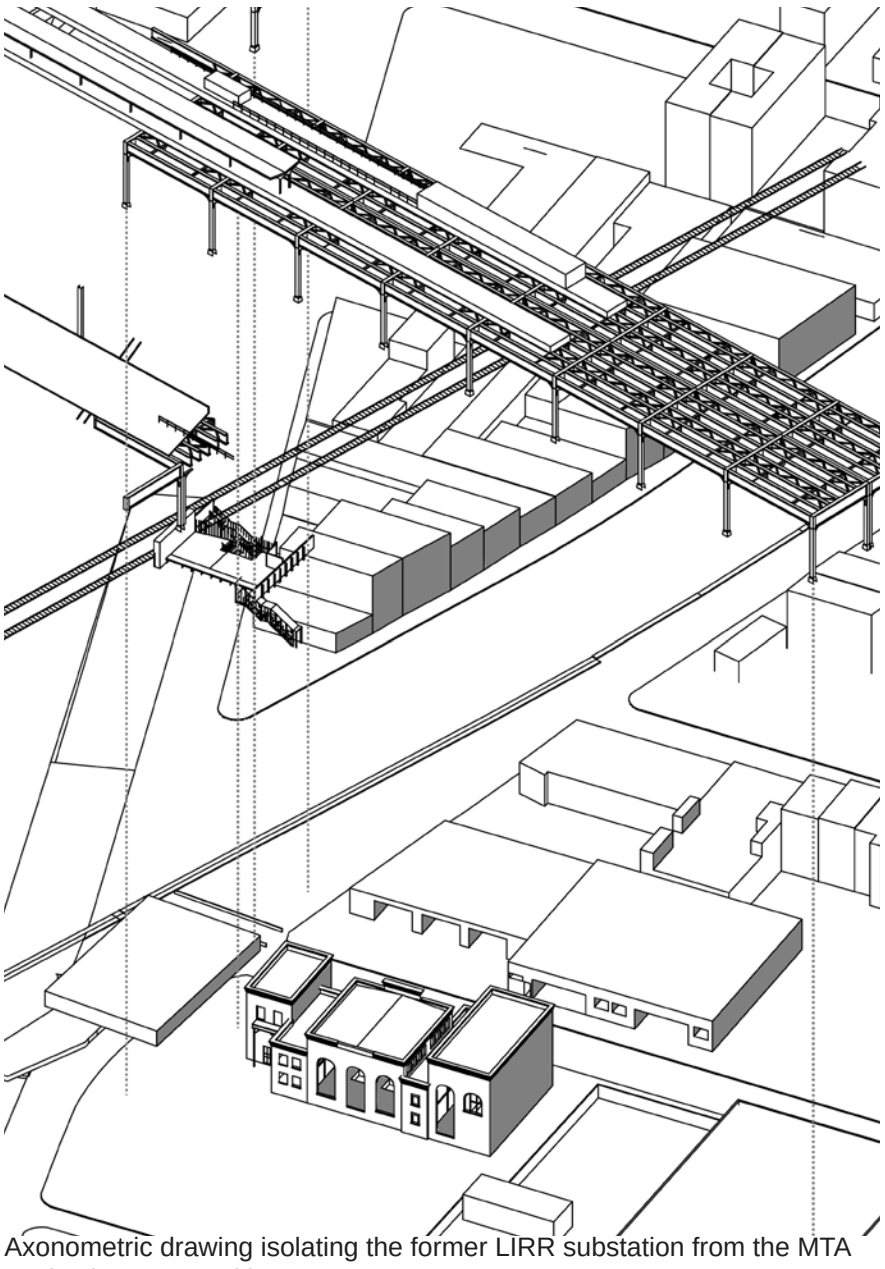
Nandini Bagchee

This project transforms a historic train power station in East New York into a dynamic concert hall and performative space. Situated at the intersection of the LIRR’s Atlantic Ave tracks and the elevated MTA L line, the site is geographically and socially disconnected from its surrounding neighborhoods.

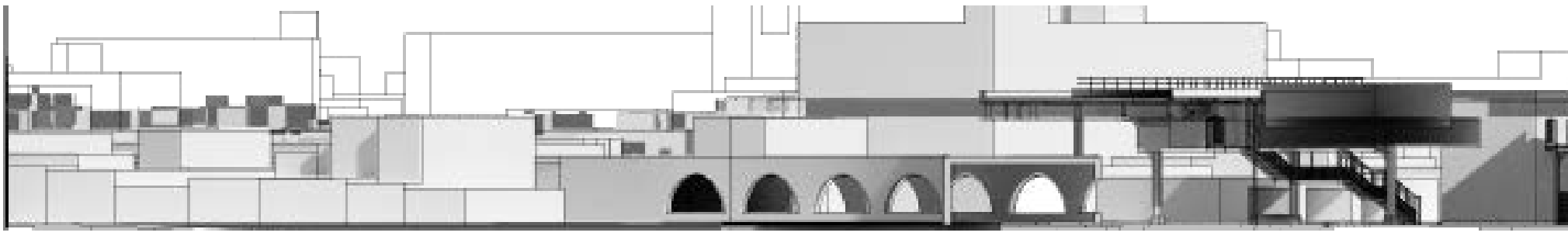
The core concept of the design is to create a space that unites people through the shared experience of music. By repurposing an industrial relic, I aim to bridge the gap between East New York and the broader cityscape, fostering community engagement and cultural exchange. The concert hall serves not only as a venue for performance but as a cultural anchor that celebrates music, connectivity, and the vibrancy of the local community.



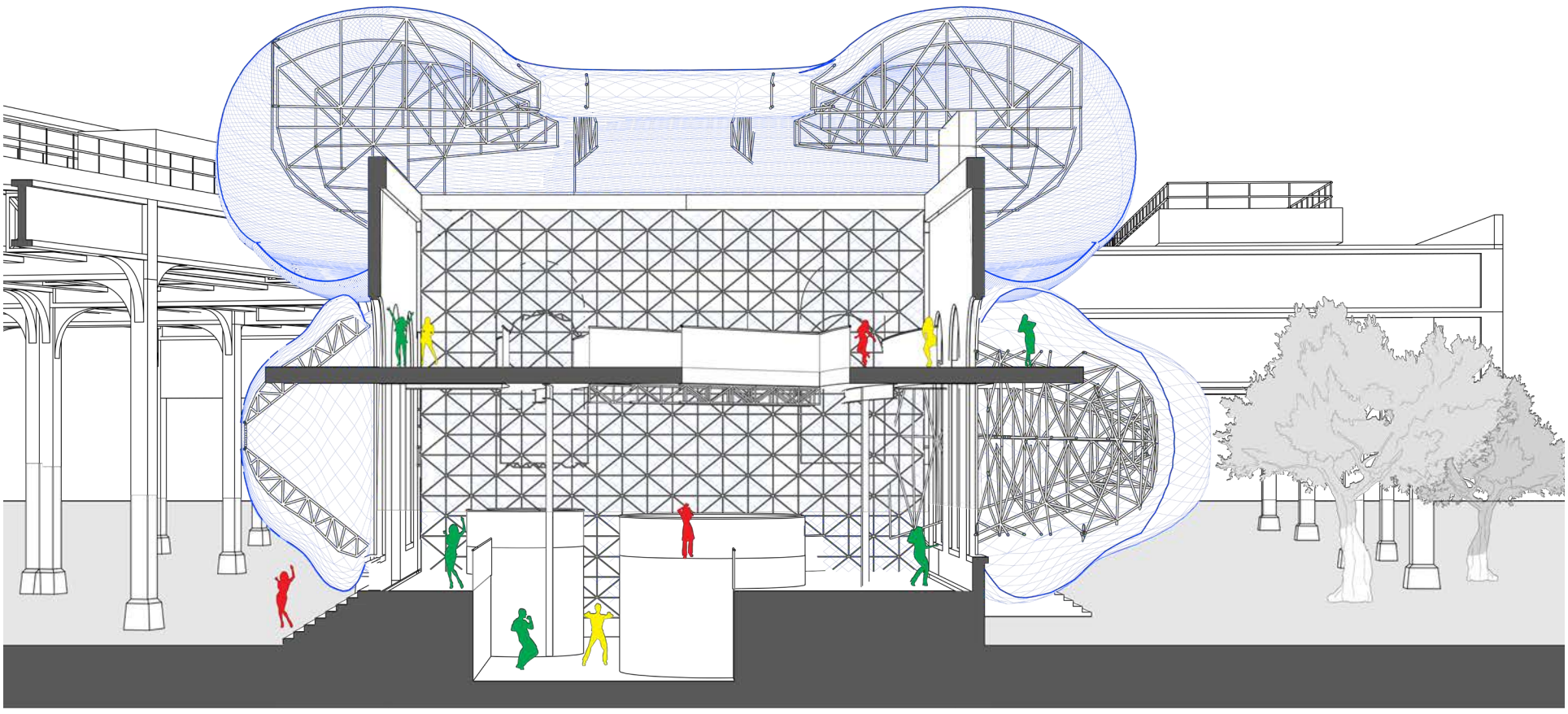
Plan drawing of the substation's existing conditions; showing tight proximity to the elevated MTA train tracks.



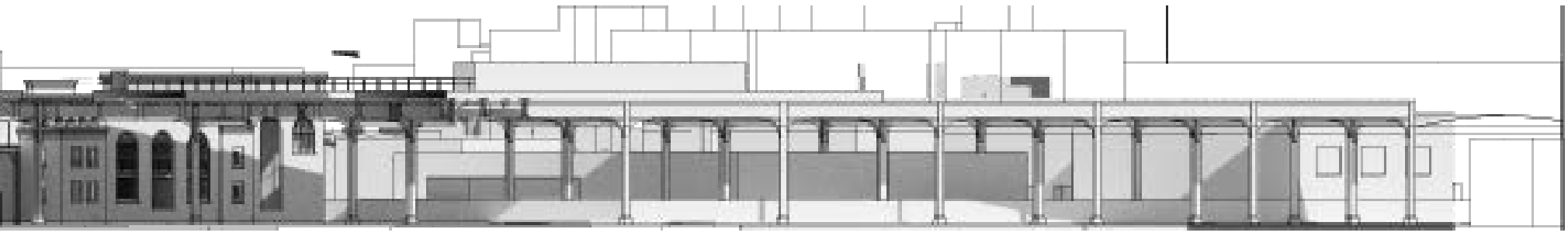
Axonometric drawing isolating the former LIRR substation from the MTA tracks that surround it.

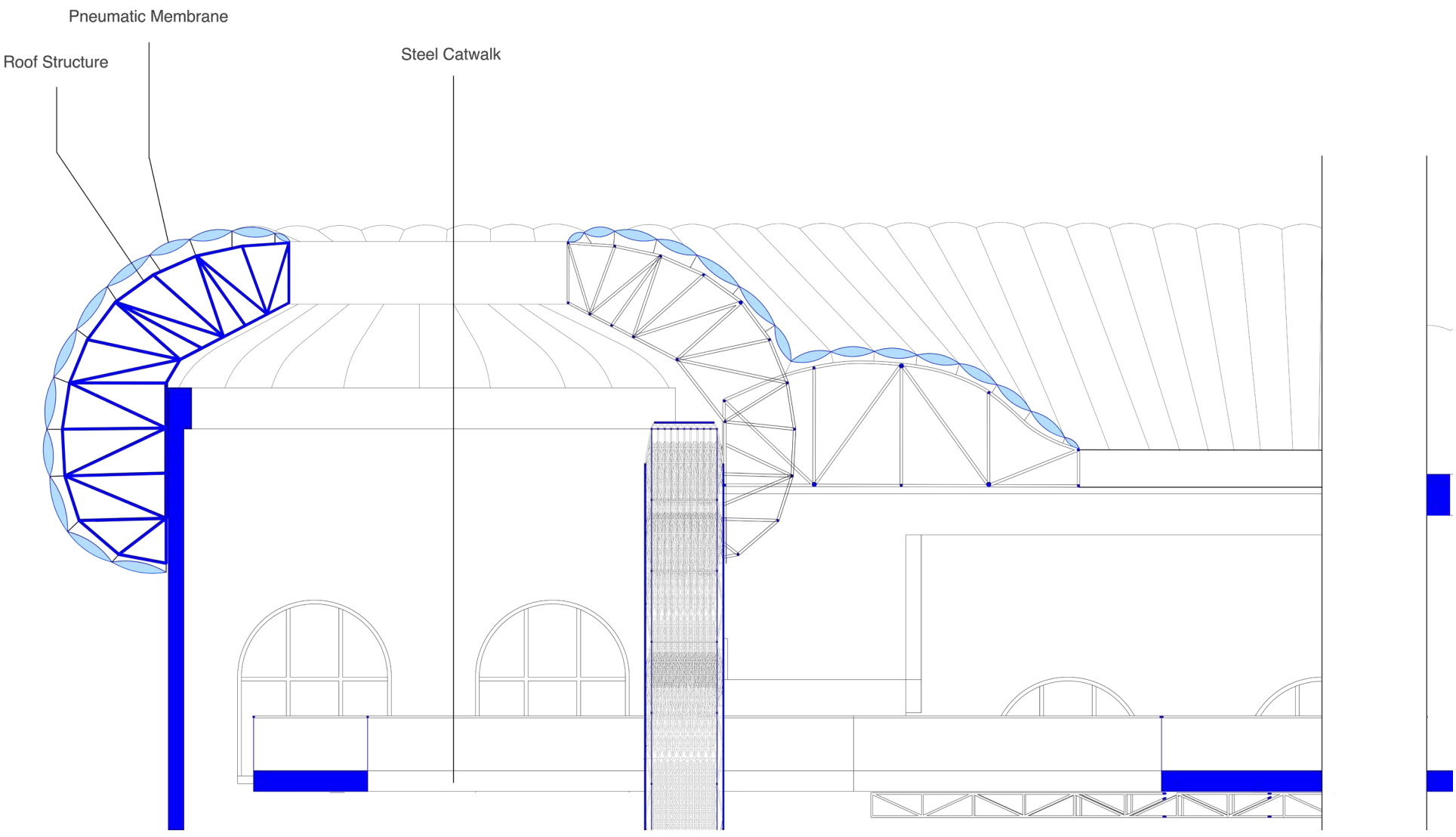


Render showing the steel catwalk with iridecent glass rails and the pneumatic roof, provinding the old brick building with contrast.



Lateral section of the performance space within the industrial context in which it resides. The building's blob-like pneumatic features directly contrast the cold rigid steel of the elevated MTA [L] train tracks that service the East New York neighborhood.





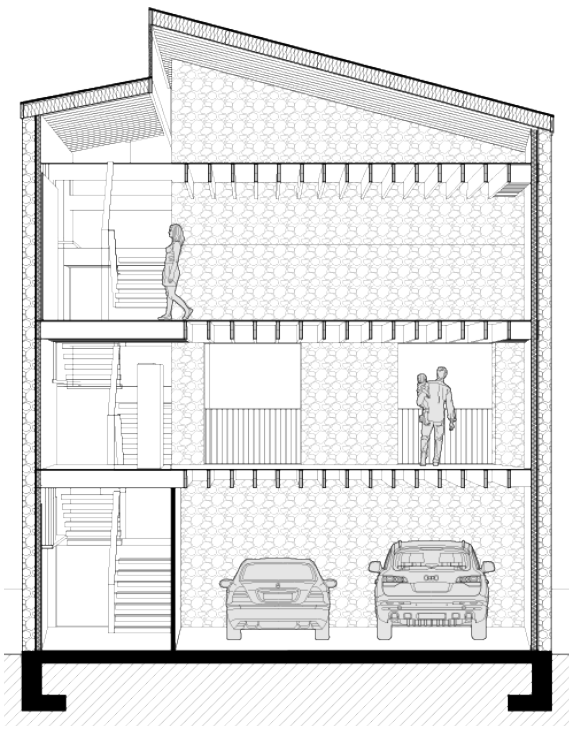
Technical section illustrating how the steel trusses support the pneumatic cells of which the roof is comprised.

The Stone Skeleton

Damon Bolhassani

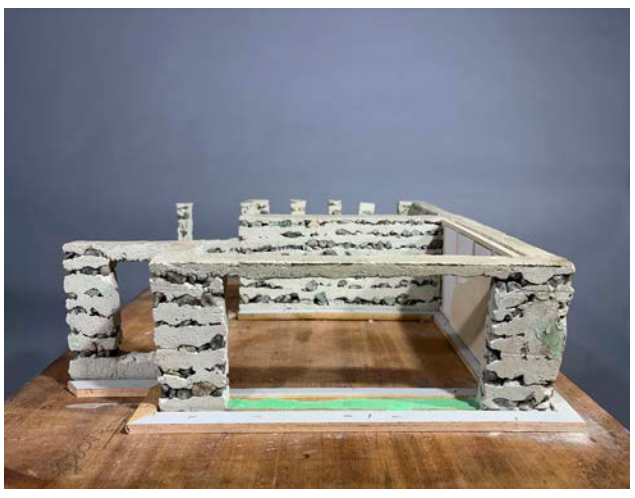
Part of a larger scale medium-density housing project in Bedford Ponds in upstate New York in collaboration with the design firm Park Shadow Architects. This project aims to utilize modern construction techniques to reintroduce the lost art of stone masonry construction, while making it cheaper and more efficient. The construction method would involve prefabricated wall casts made of timber. Alternating layers of large granite aggregates and strong mortar would then be poured into the cast. The (outer) part of the cast is then removed, leaving behind a self-supporting structural wall made of stone, and wall studs for interior walls. By keeping the system simple, it can be configured to specific design conditions, standardized, and repeated with minimal labor effort.

Interior render by the staircase. The design is meant to communicate the harmony between the two materials (wood and stone) being achieved in the form of construction.



Lateral section of the townhouse design.

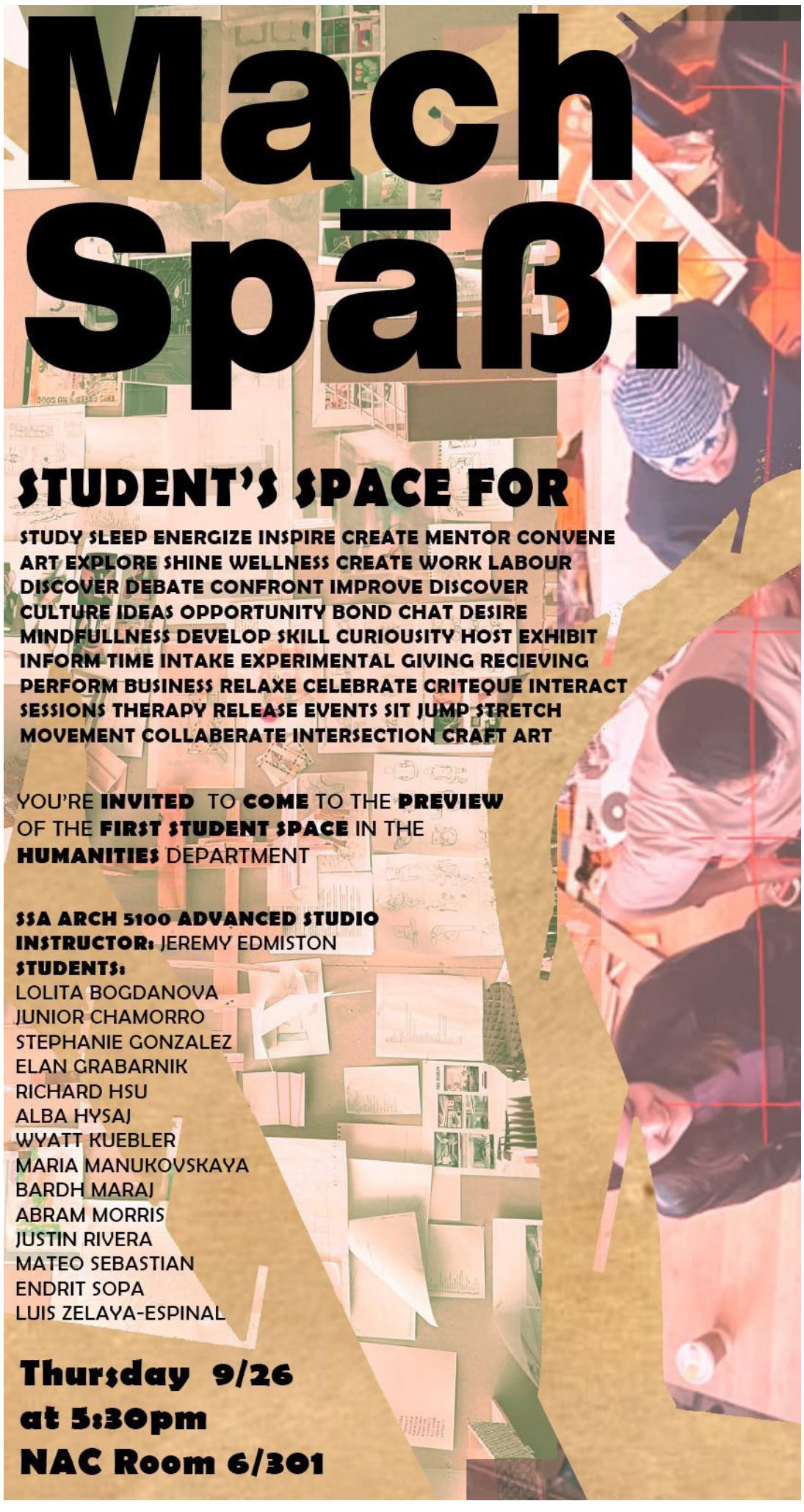
Model of structural concept: Pre-fabricated rock wall casts, with integrated wall joists for interior walls. Large aggregates are poured into the cast, along with stratified layers of strong mortar, creating the structural outer walls. The outside-facing mold is then removed, leaving behind a thick, self-insulating stone wall, and interior wall joists, ready for drywall. The system aims to cut down on the need for insulation means and labor.



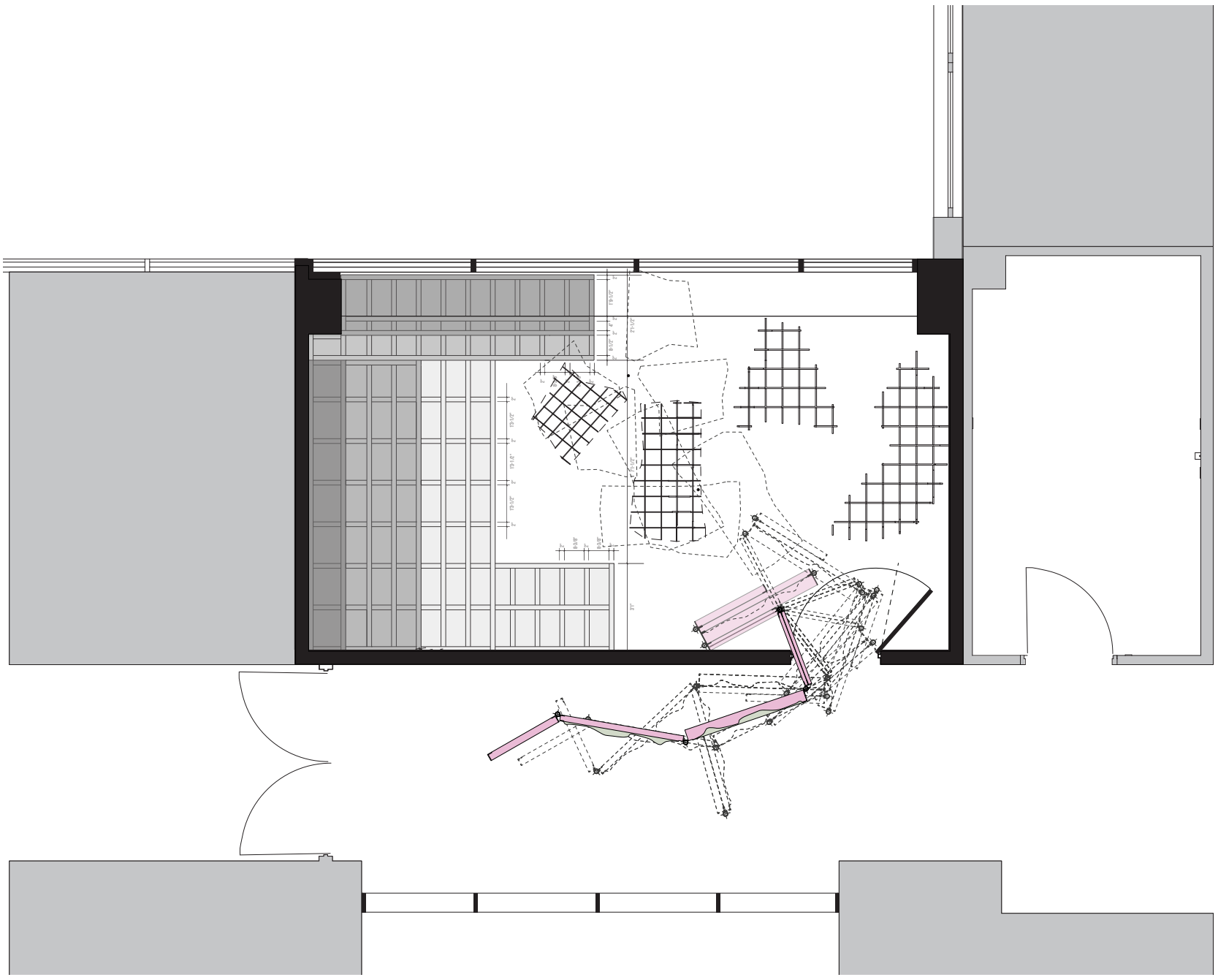
Townhouse sectional model: Pre-fabricated rock wall casts, with integrated wall joists for interior walls. Large aggregates are poured into the cast, along with stratified layers of strong mortar, creating the structural outer walls. The outside-facing mold is then removed, leaving behind a thick, self-insulating stone wall, and interior wall joists, ready for drywall. The system aims to cut down on the need for insulation means and labor.

Mach*Spāß*

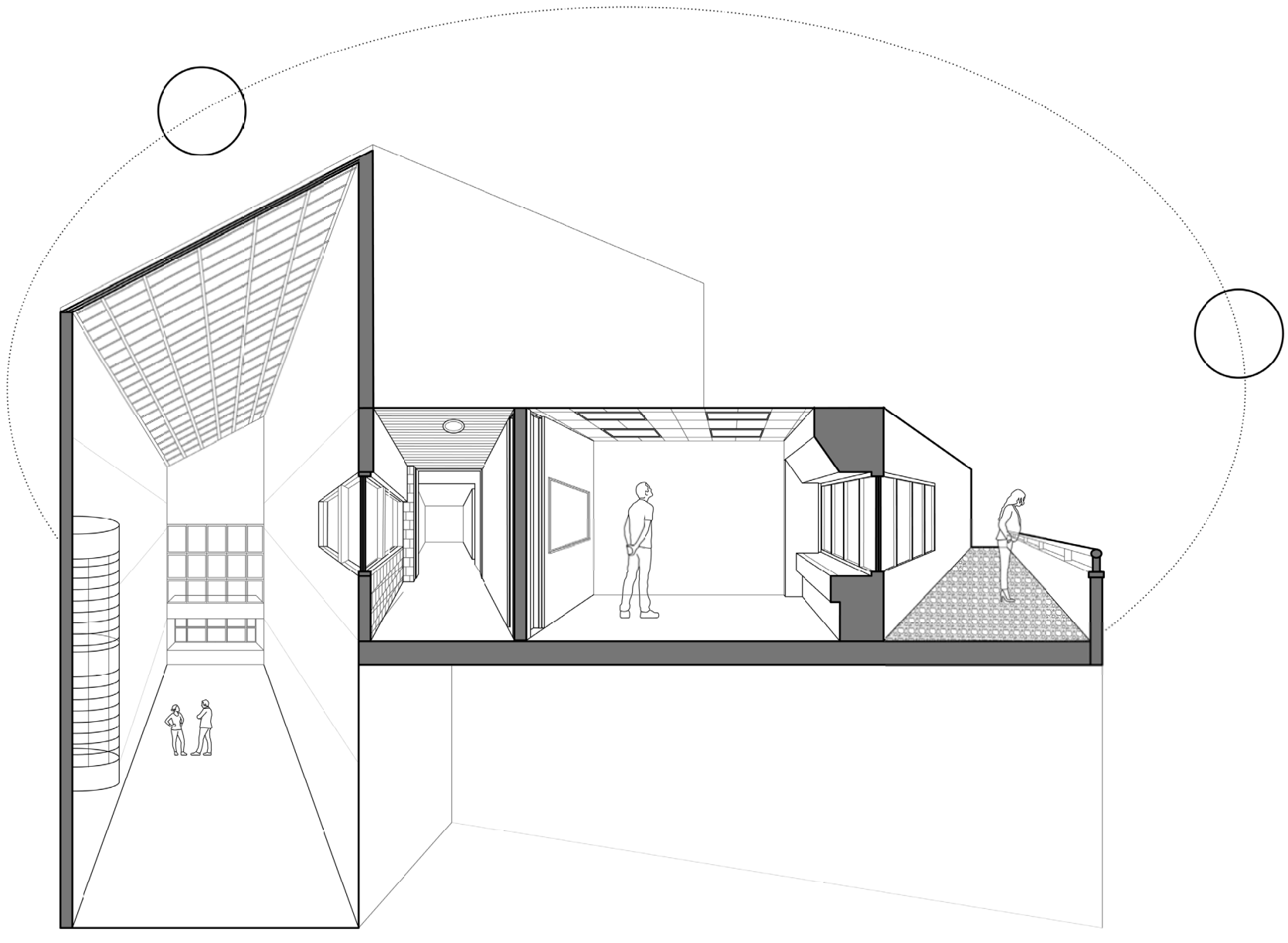
Jeremy Edmiston



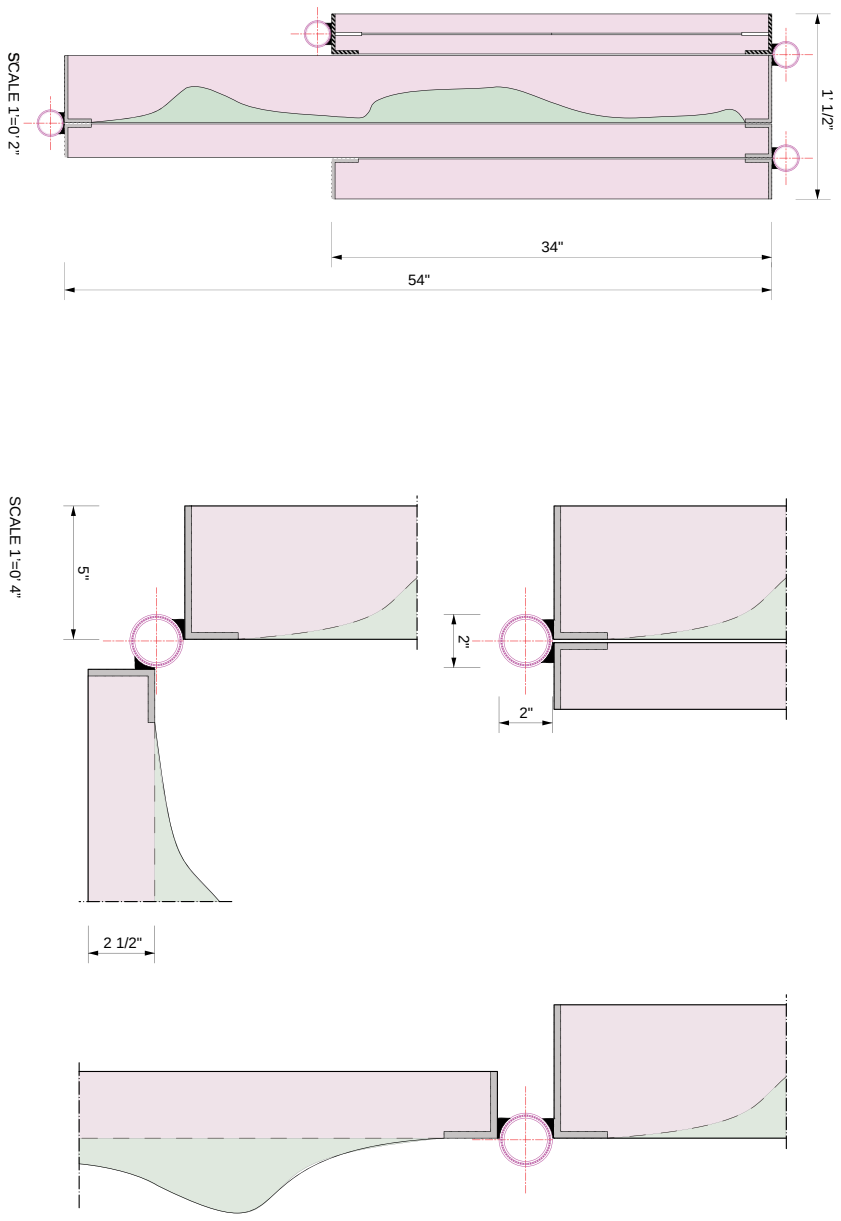
Comissioned by the Department of Experiential Learning under the Humanities Department at the City College of New York, this design-build studio project aimed to animate an unused room within the university's North Academic Center. The project disrupts the mundane with a series of interventions, insipred by the dadaist language of Kurt Schwitters' *Merzbau.*



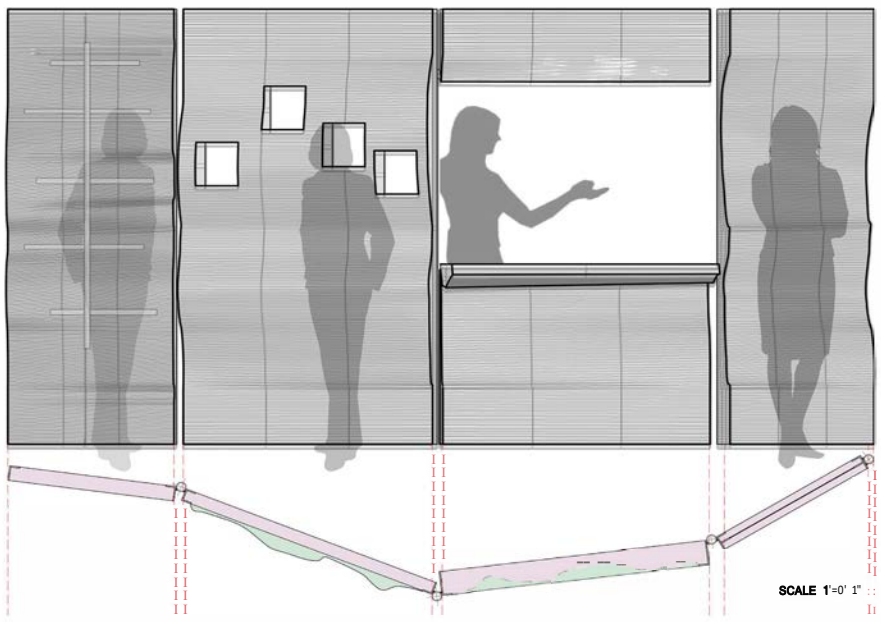
Plan depicting varying configurations of architectural interventions within the room: bleacher-style seating, a ribbed acorn-like conversation area, and multi-pivoting steel frames that could unfold in the room or out into the hallway, transforming the space itself.



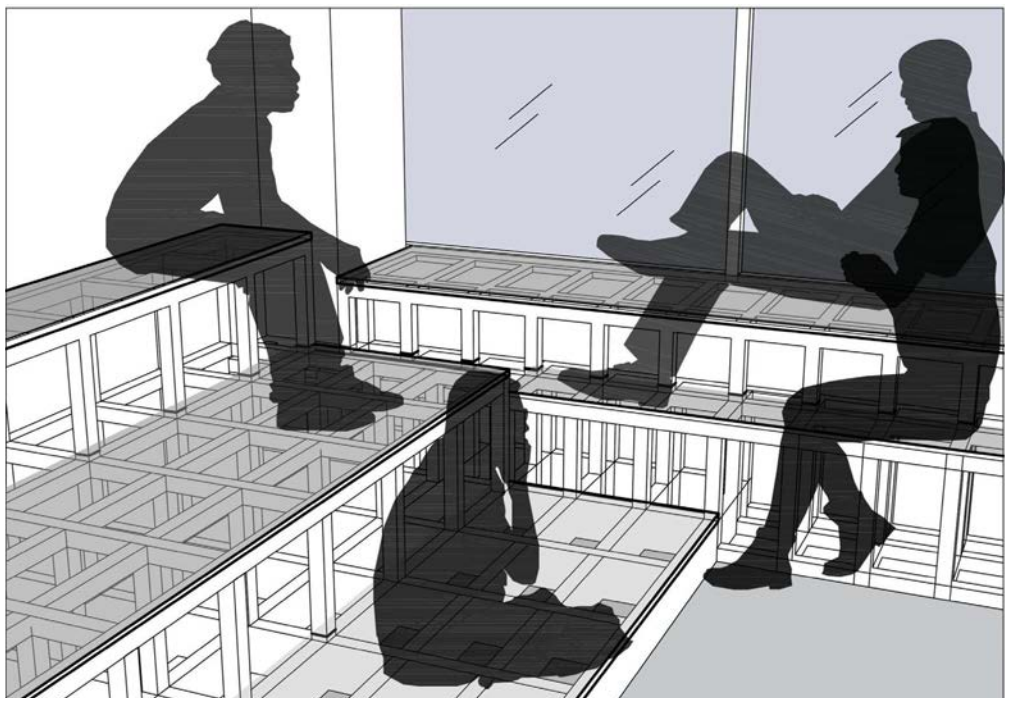
Section showing solar movement thoughout the day in relation to the linear procession of the 6th floor of the NAC.
From left to right, the double height library, the narrow hallway that overlooks it, the project site, and an outdoor patio area, currently inaccessible to students and faculty.



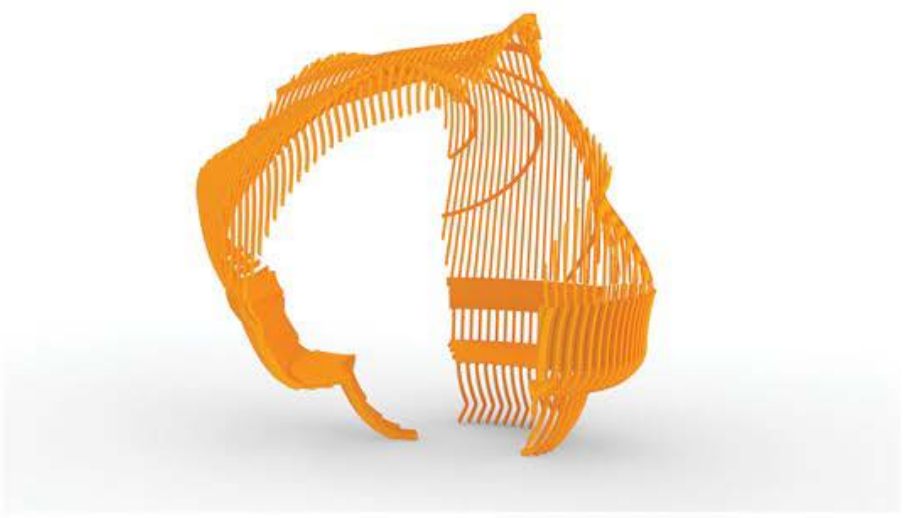
Detail of pivoting frames steel frames connected by central pivots that could be configured in a myriad of ways; a dynamic intervention referencing the dynamism of experiential learning.

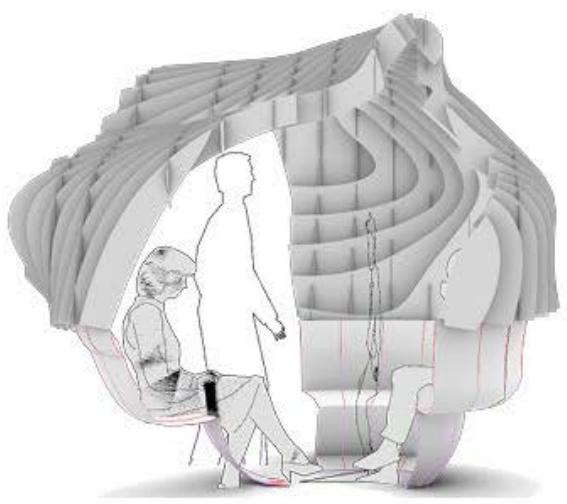


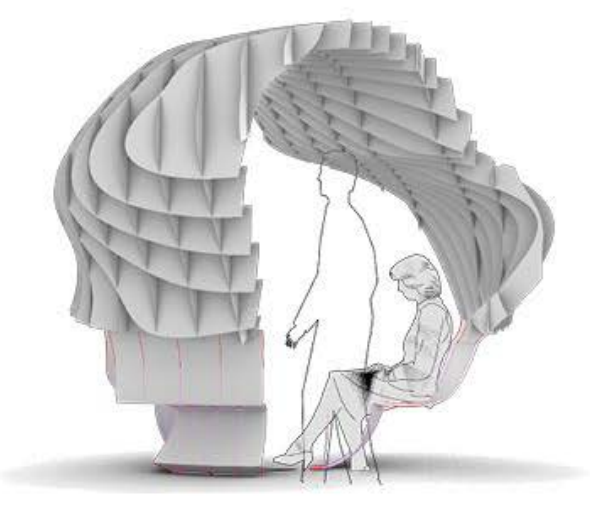
Elevation and plan of unfolded frames.
Left to right: book nook, peeking windows, conversation area, and barrier panel.



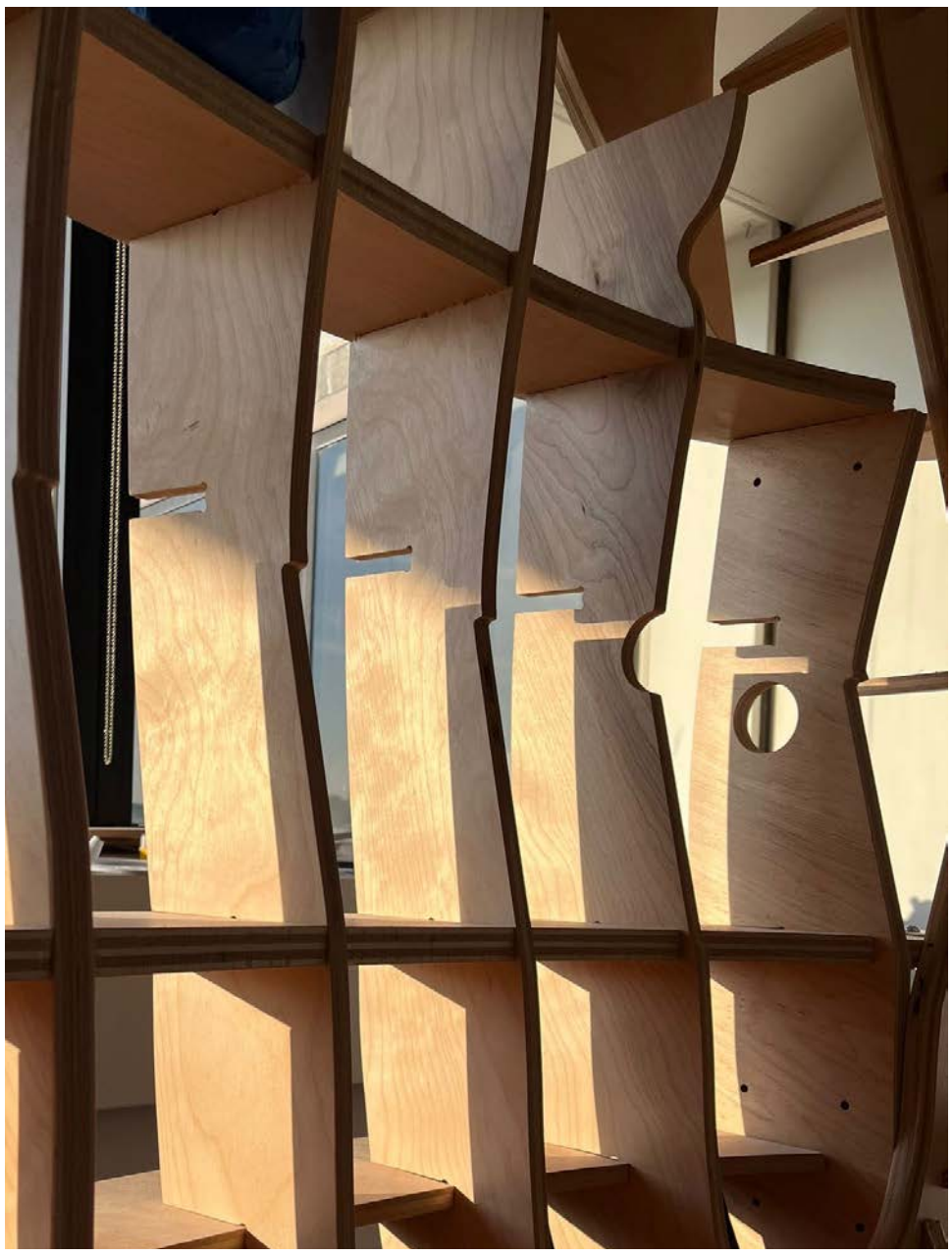
3D model of the bleacher seating.







3D model of the *acorn* and its ribbed structure.



Photos of the finished conversation seating and perforated wall.
Upper left: The perforated wall is shared with a small neighboring windowless room. The perforations are lined with iridecent film, that fills the small dark room with colorful light.

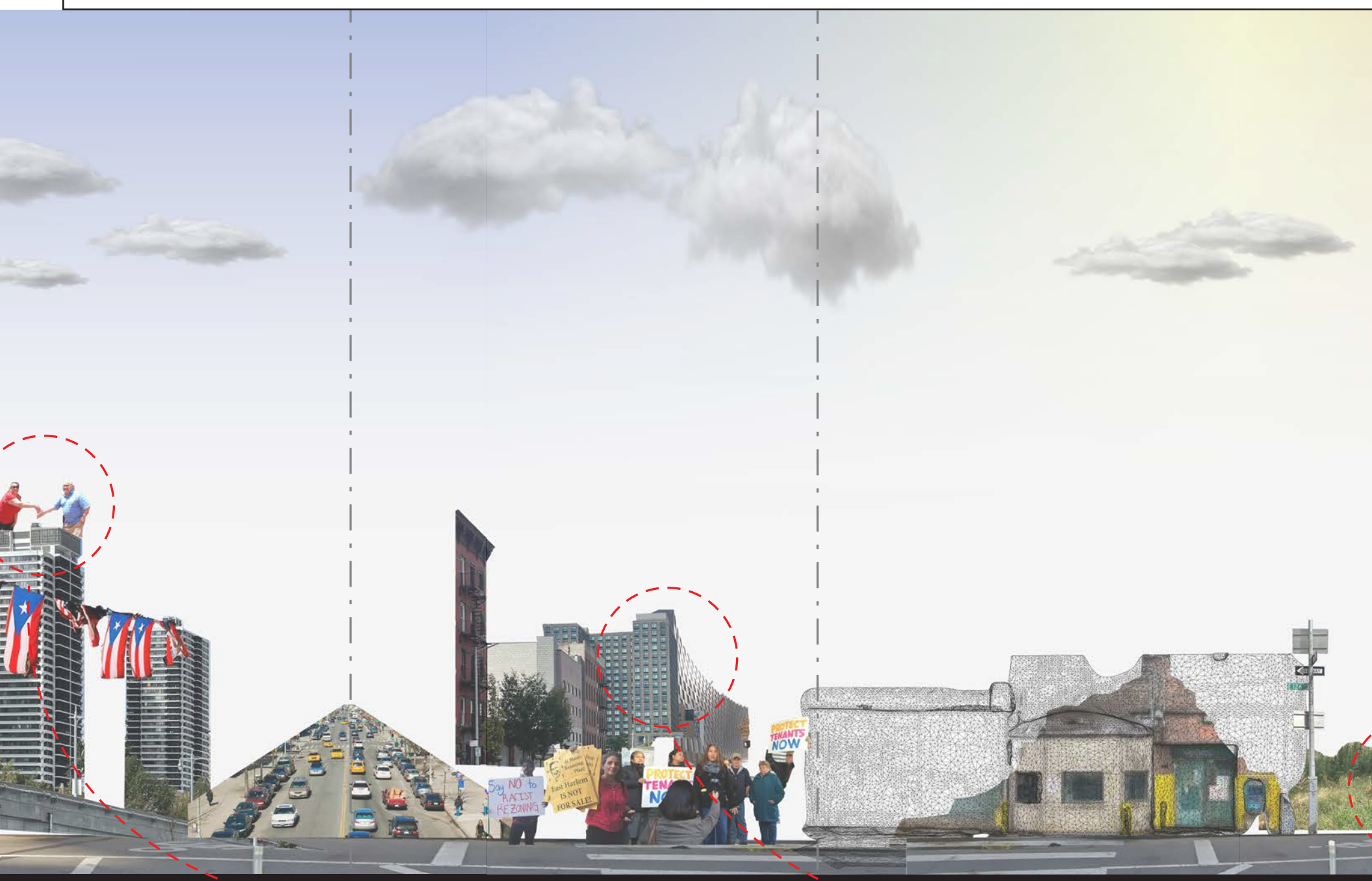
Upper right: Tongue-in-groove connections reinforced by steel brackets showing logic of structural assembly.

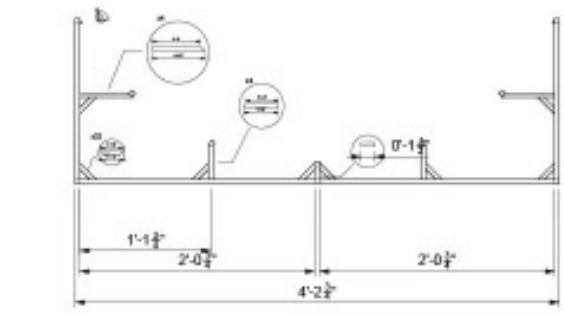
African Burial Ground

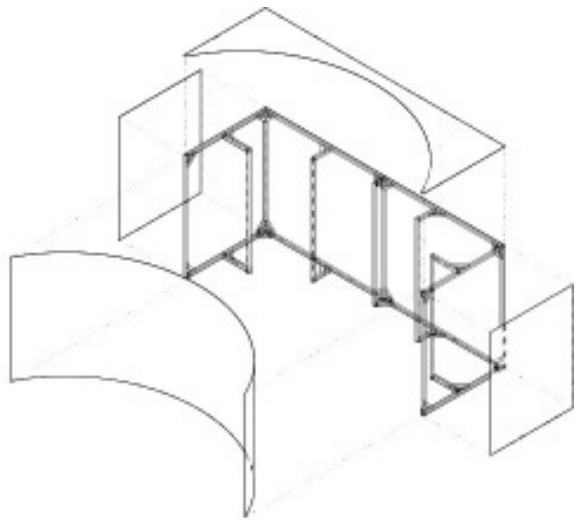
Jerome Haferd

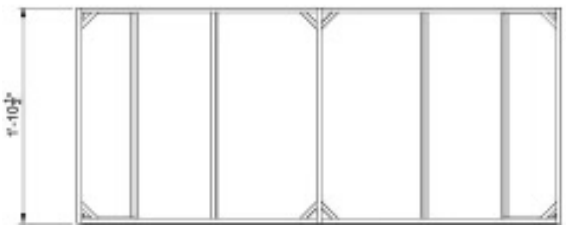
On East 125th Street, in Spanish Harlem, lies an old MTA bus terminal no longer in service. Many feet below the structure was once an African burial ground for the once enslaved, from when the Dutch colonized New York. Decades of life and lineage were forever lost during the centuries of changes in the built environment that followed. The reclaiming of that space has become a prevalent discussion amongst Harlem residents, and the whole black community. This project is one of possibilities, and what could be of the land. Building off of conversations around housing, the project puts community at the forefront of the design. The courtyard space was extruded vertically by this experiential ramp that connects the two pre-proposed apartment buildings physically, and connecting the booming black and brown commuinties simultaneously. The ramp would become a dynamic social space, with community gardens and potential space for informal street vendors.

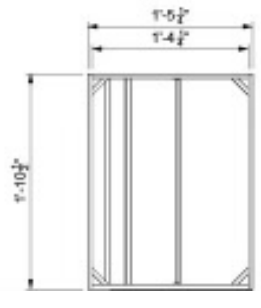
The Megascope was a concept for a tool that can magnify omnipresent socio political elements that are right in front of us, but difficult to see with the naked eye, derived fr
from redlining to the “Robert Moses Effect”. The illustration was displayed as a semi-circular panorama, immersing the viewer in the introspective experience.





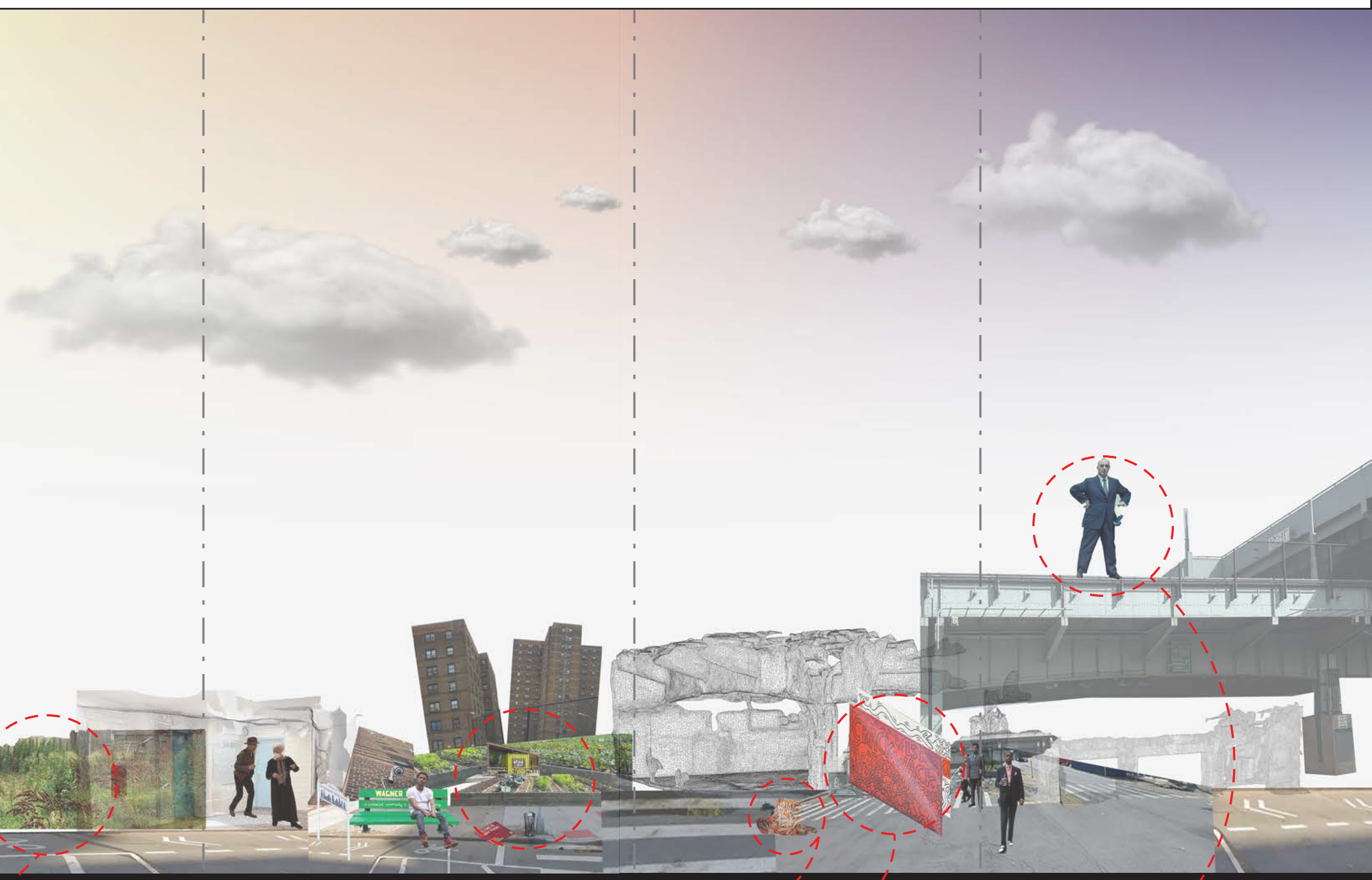






Detail drawing of the panoramic frame for the display of *The Megascope.*

om W.E.B Dubois' The Princess Steel. My interpretation of the fictional technology manifests as an 8 foot long collage of the Spanish Harlem neighborhood, shaped by everything



E 126th St.

The War on Drugs, perpetuated by the Reagan admin, and the simultaneous turning of the blind eye to the entrance of cocaine into the country devastated all poor communities nationwide. The criminalization of marijuana only fed into the wrongful mass incarceration of an entire 'race'.

Residents of the Wagner Projects and local community centers have collaborated on a comminity garden. This is becoming a trend in social housing projects all over NYC. Agricultural practices are deeply rooted in black and Latino cultures.

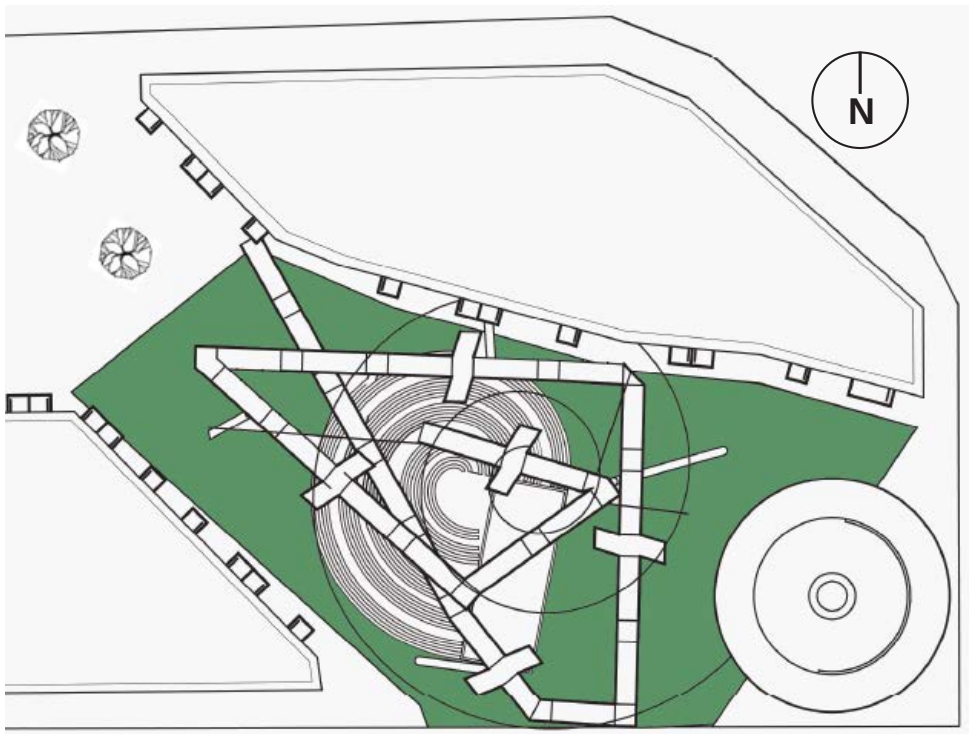
Wagner Houses

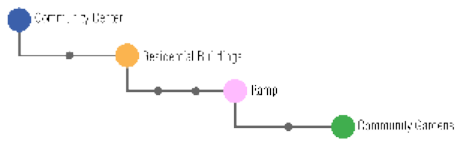
E 127th St.

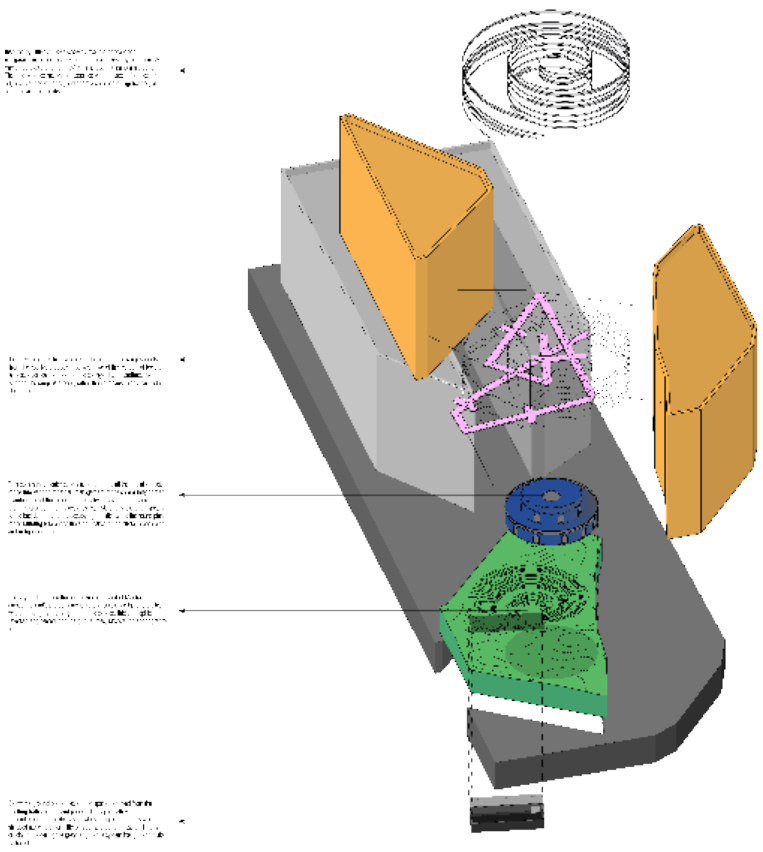
Robert Moses has forever left this footprint on the infrastructural element of the urban fabric. Bronx Expressway, the Harlem river Dr., the Crossbay Bridge, etc... He's succeeded in the mass displacement of tens of thousands of New Yorkers, the dismantling of once thriving black and brown neighborhoods.

Harlem River Dr.

Site plan within its urban context: E 125th St & 2nd Ave



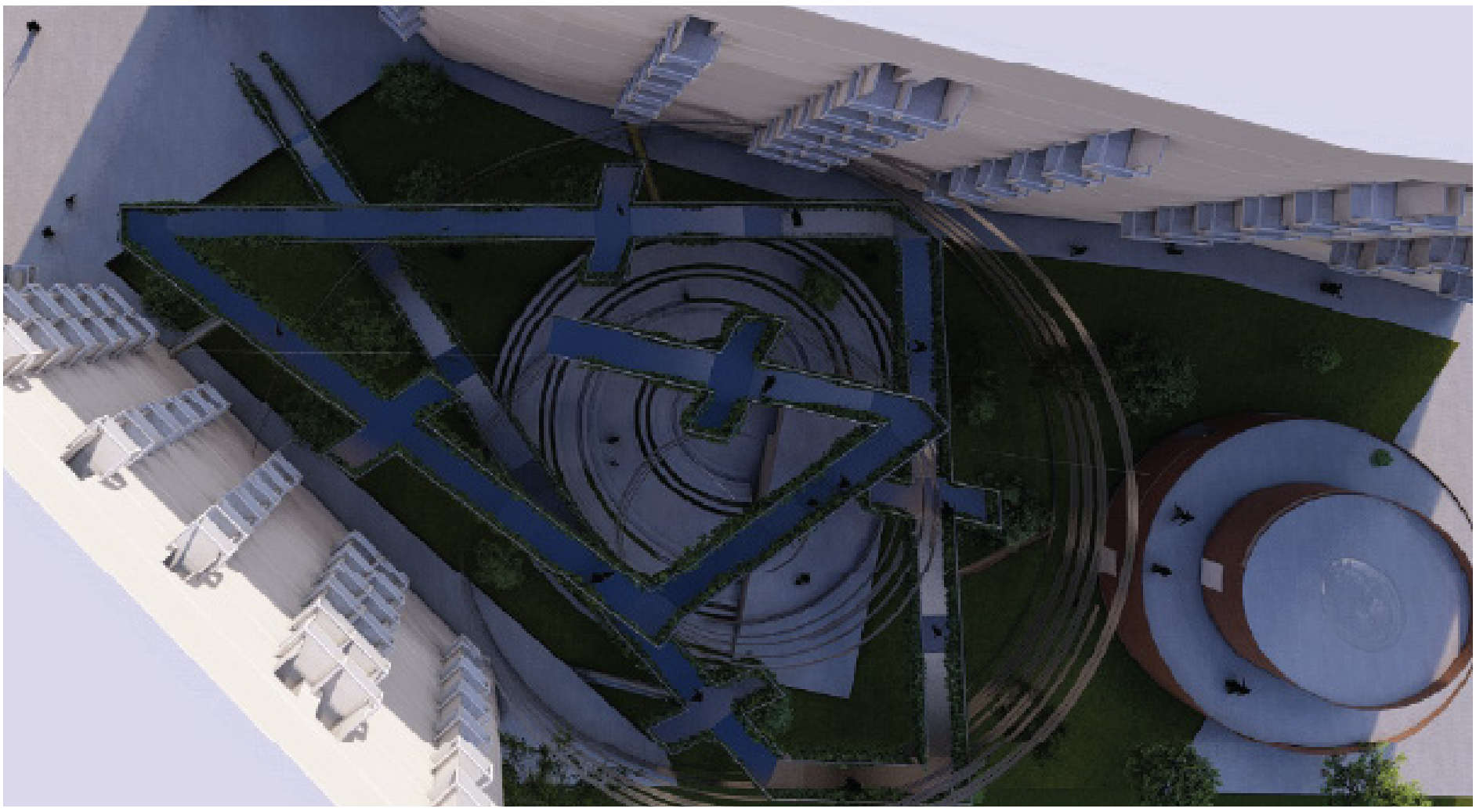




Top: Zoomed in plan.

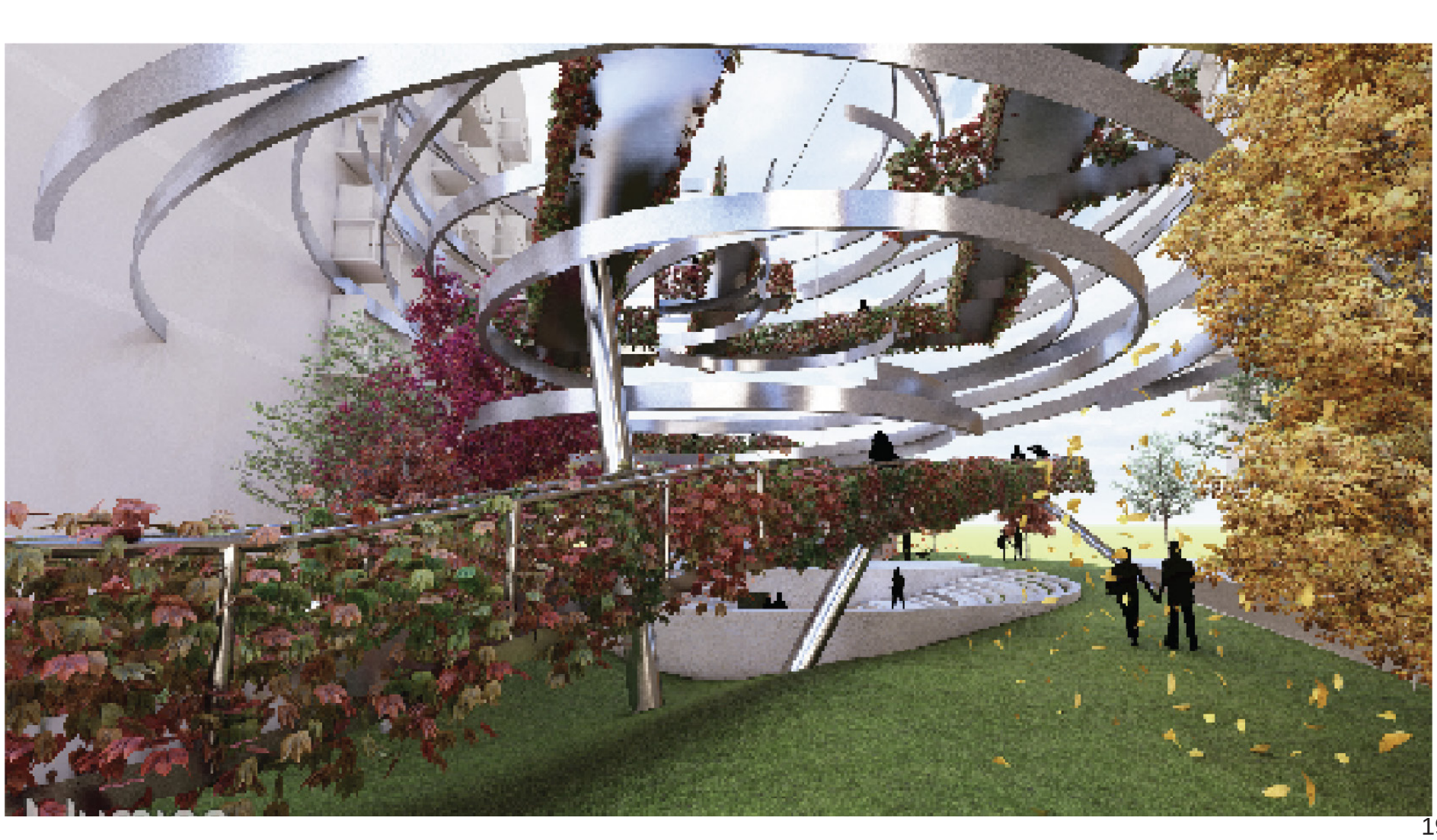
Left: Programatic axonometric diagram
Bottom

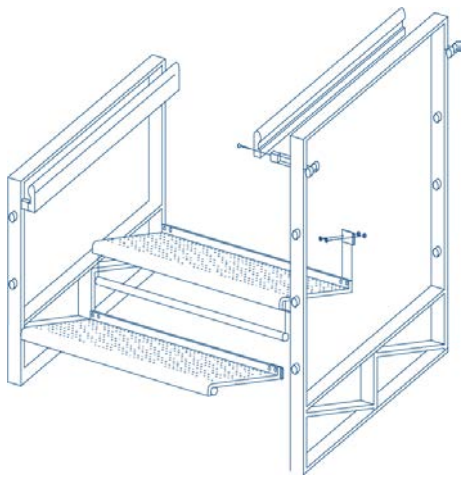
Bottom: Perspectival section of the project, showing how the ramp engages with the courtyard, cultural center, and residential towers.

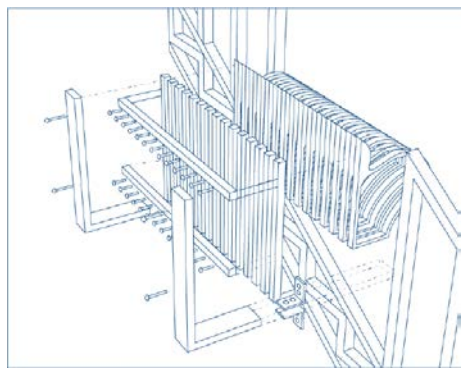


Top & Bottom: Renders of The Spiral, an interactive art installation that both displays people and elements of black history while the reflection of the observer is superimposed on it.

Right: Axonometric diagram of project, showing its program



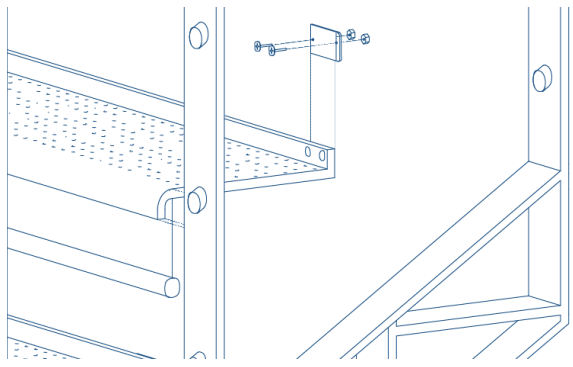


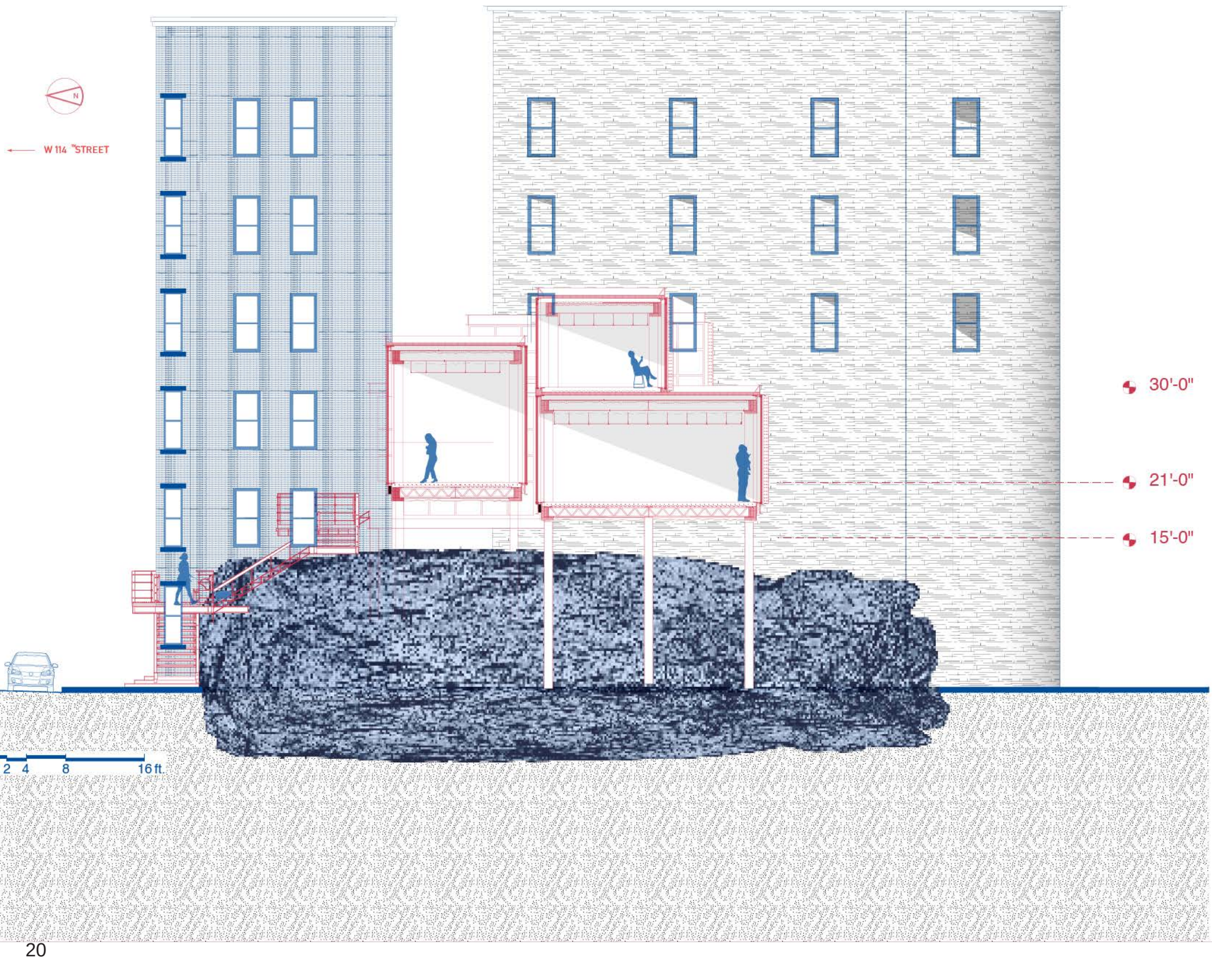


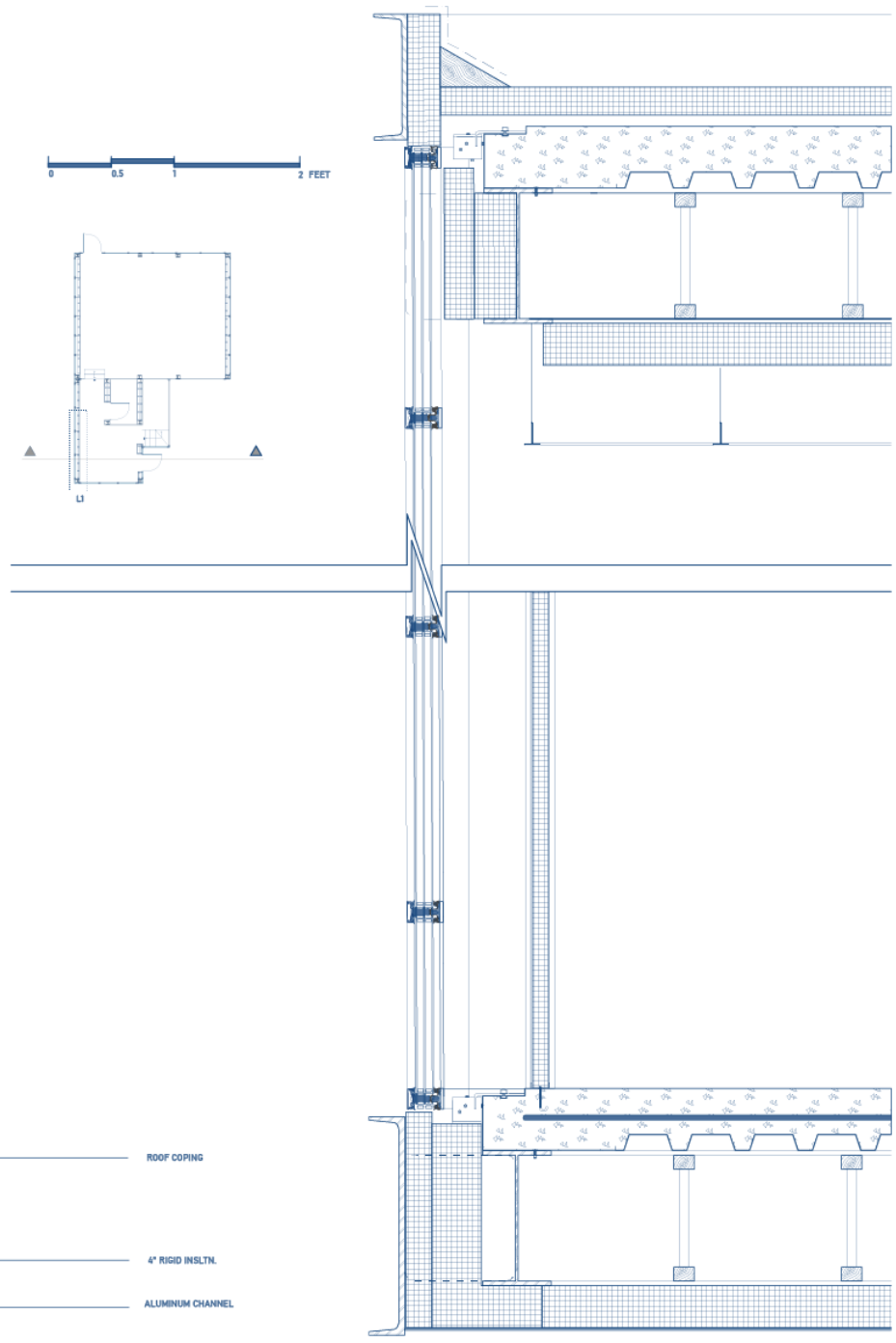
Townhouse

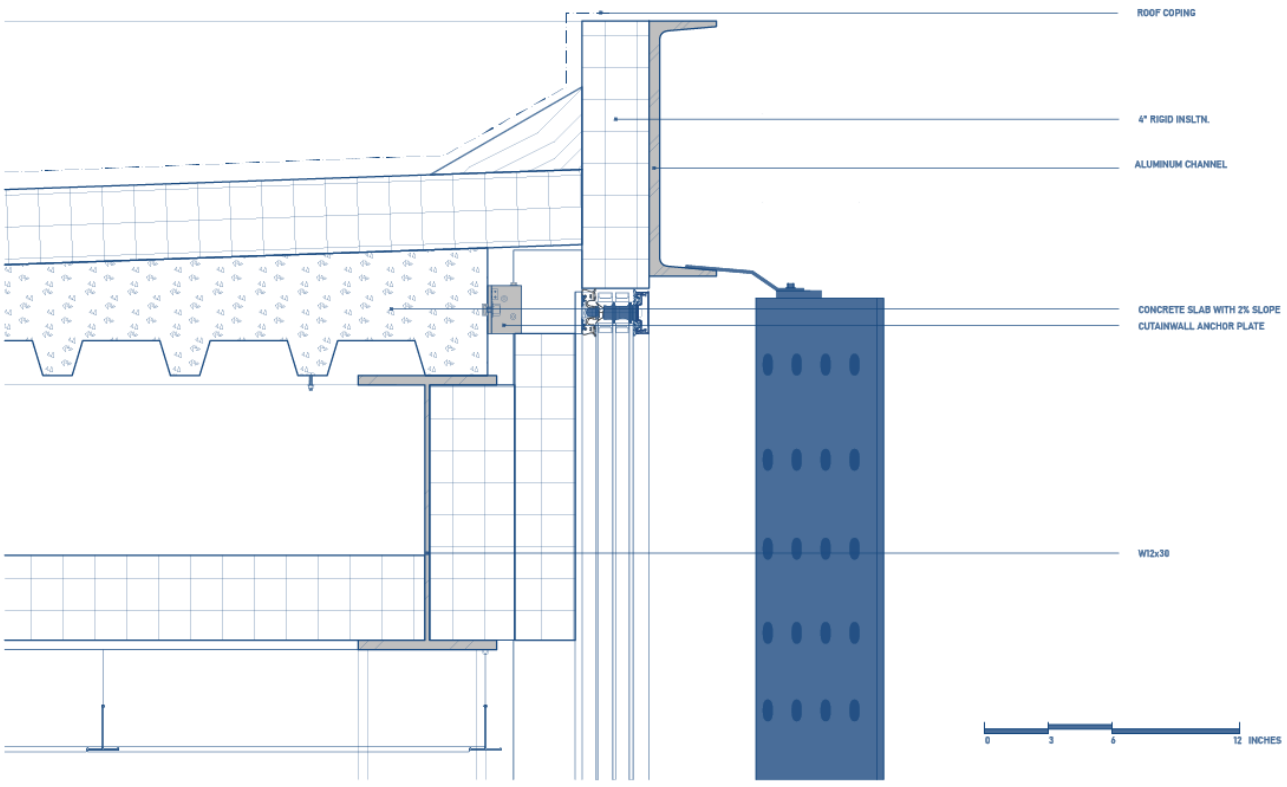
Christian Volkmann

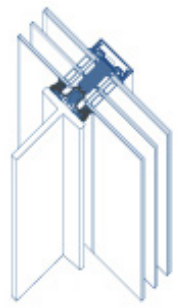
On West 114th Street in Harlem, there is one undeveloped 25 x 100 ft lot of land with a large boulder det deet in it. The project began with the design of the stairs that transport one from street level to the top of the rock. The townhouse was then born from the logic of “steps and landings”, exploding typical programmatic elements of a home- bedroom, living room, kitchen- into a series of offset landings enclosed in glass. Using design logic that coincides with high-rise office building architecture, the townhouse serves to subvert traditional ideas of what a NYC townhouse can be.











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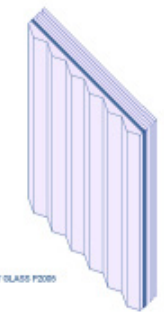
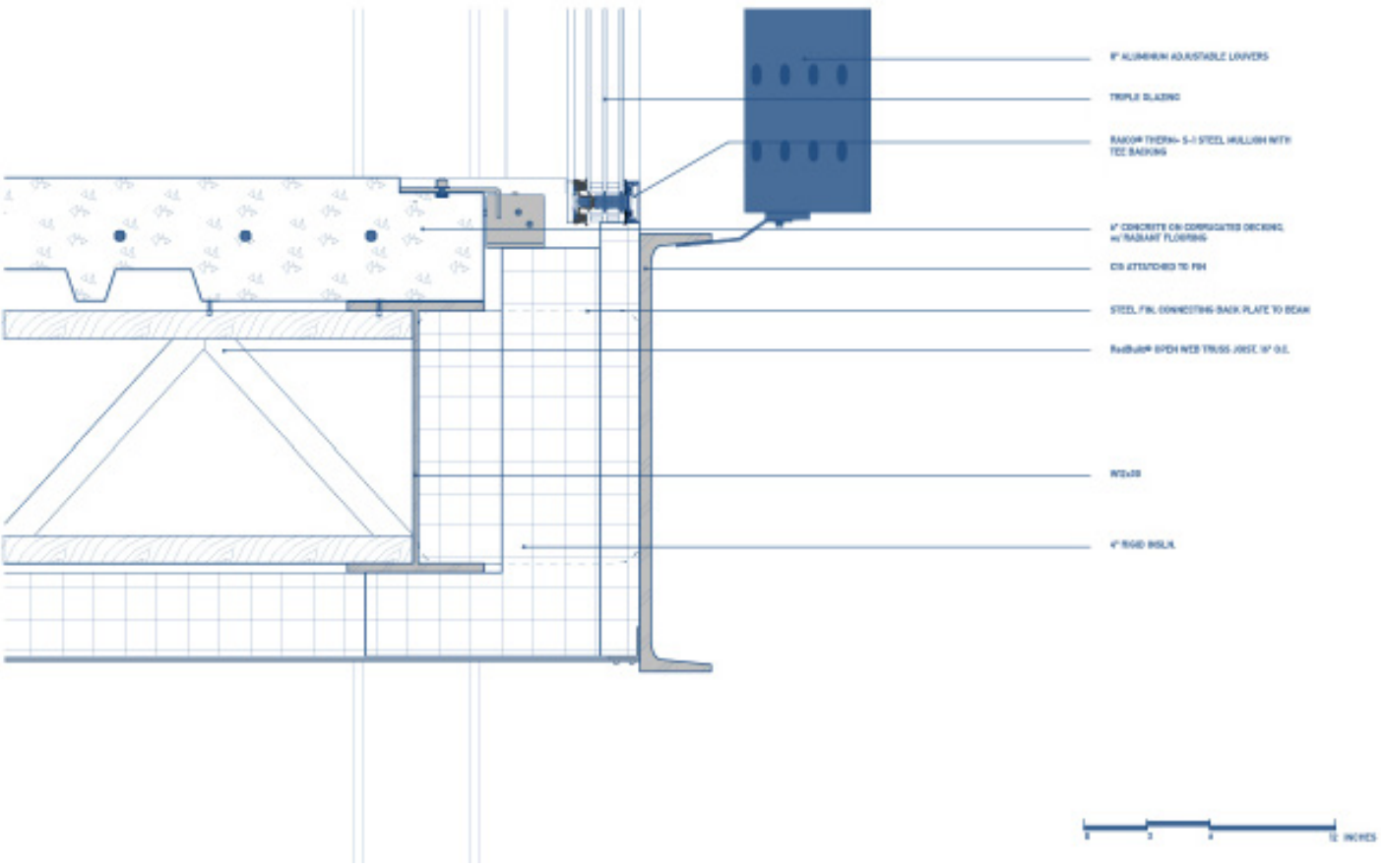
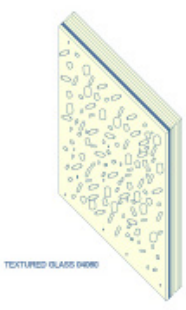


TRANSLUCENT GLASS P2080



TEXTURED GLASS 06013



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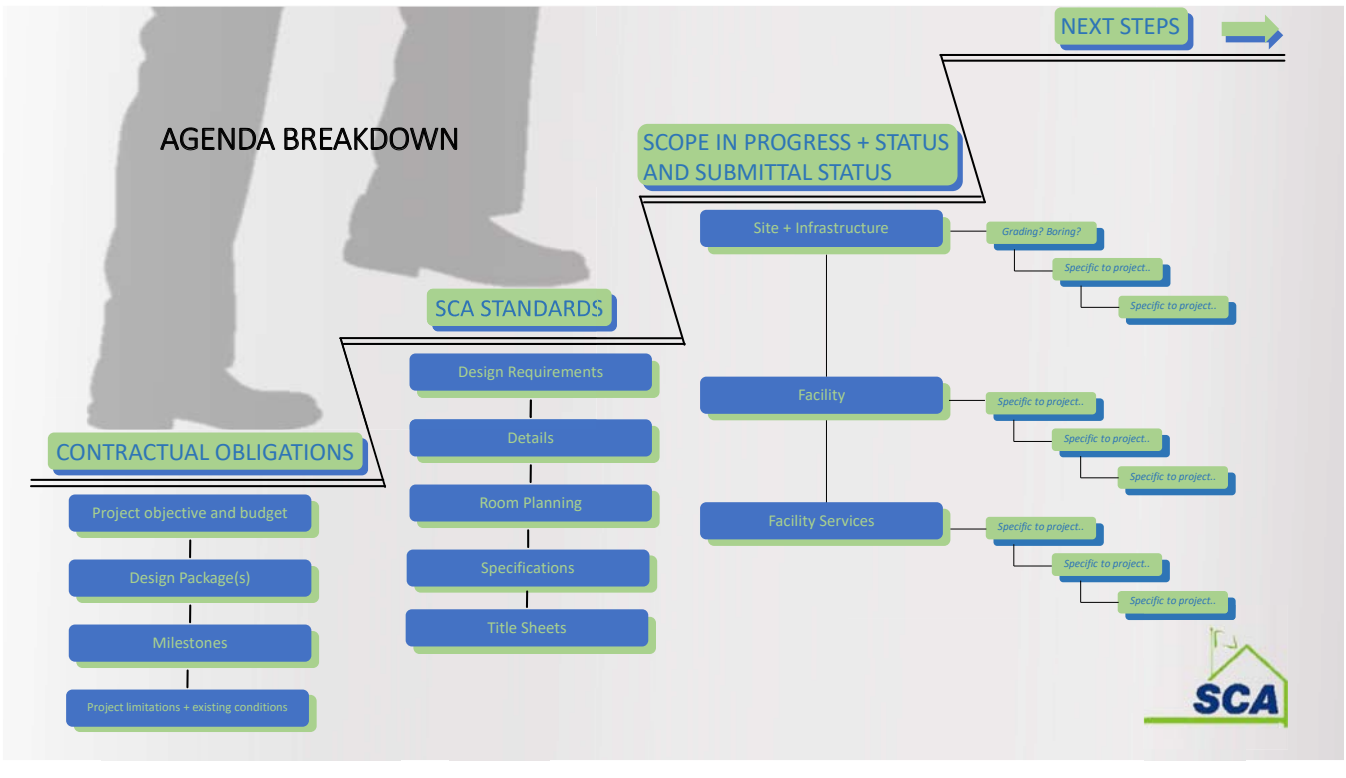
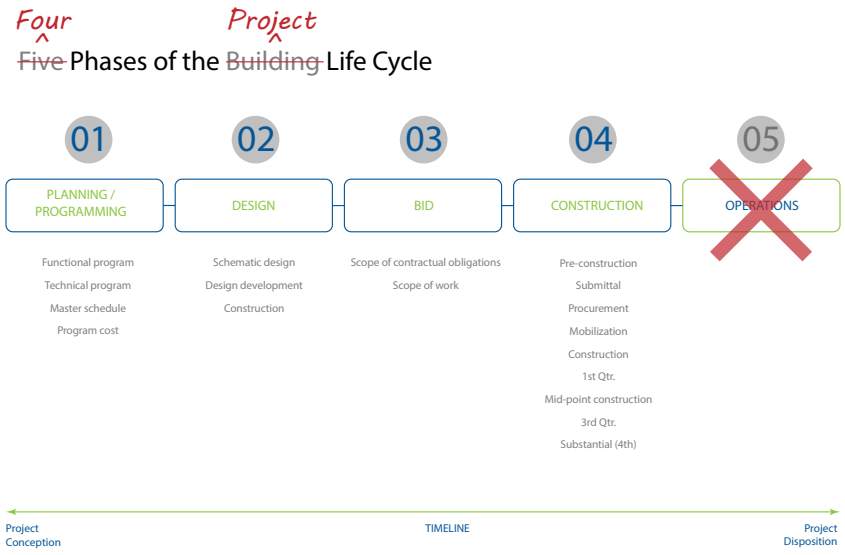


LifeCycle Cost Management

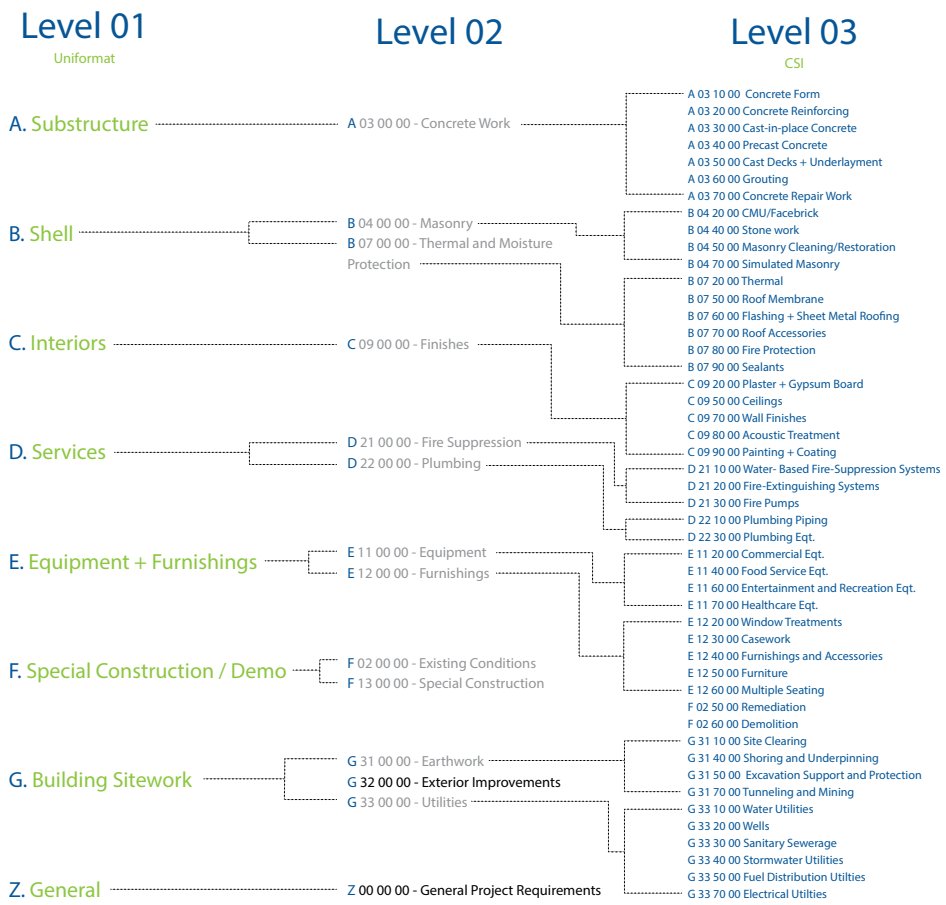
School Construction Authority

As an intern at the SCA, I was in the Operations division. I supported the design and project management process through the development of clear visual diagrams and illustrations to communicate complex workflows. I actively participated in preliminary and 60% design meetings, contributing to project discussions and coordination efforts. Additionally, I facilitated LifeCycle Cost Management meetings under the direction of registered architect Mi Zhang, gaining insight into long-term project planning and sustainability considerations.

The SCA manages two main types of projects: Capacity and Capital Improvement Projects (CIP). Capacity projects are those involving the design and construction of new s
life cycle, up until maintenence and upkeep, which is allocated to school facilities. The top half of the banner is showing inputs of the project, while the bottom displays outp

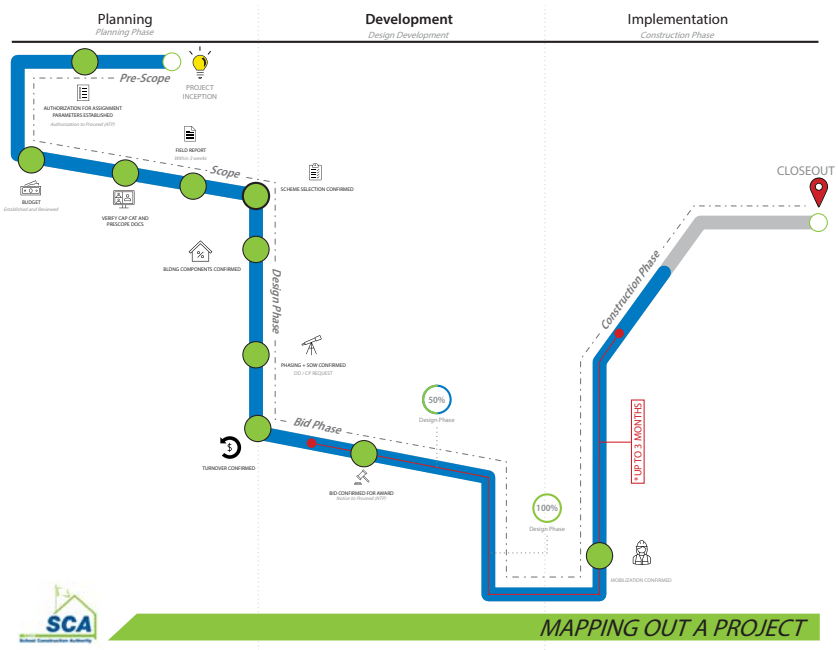


In a typical SCA project life cycle, the various collaborating parties are all involved until the building's official opening for operation. This diagram shows the responsibilites under each respective project phase.



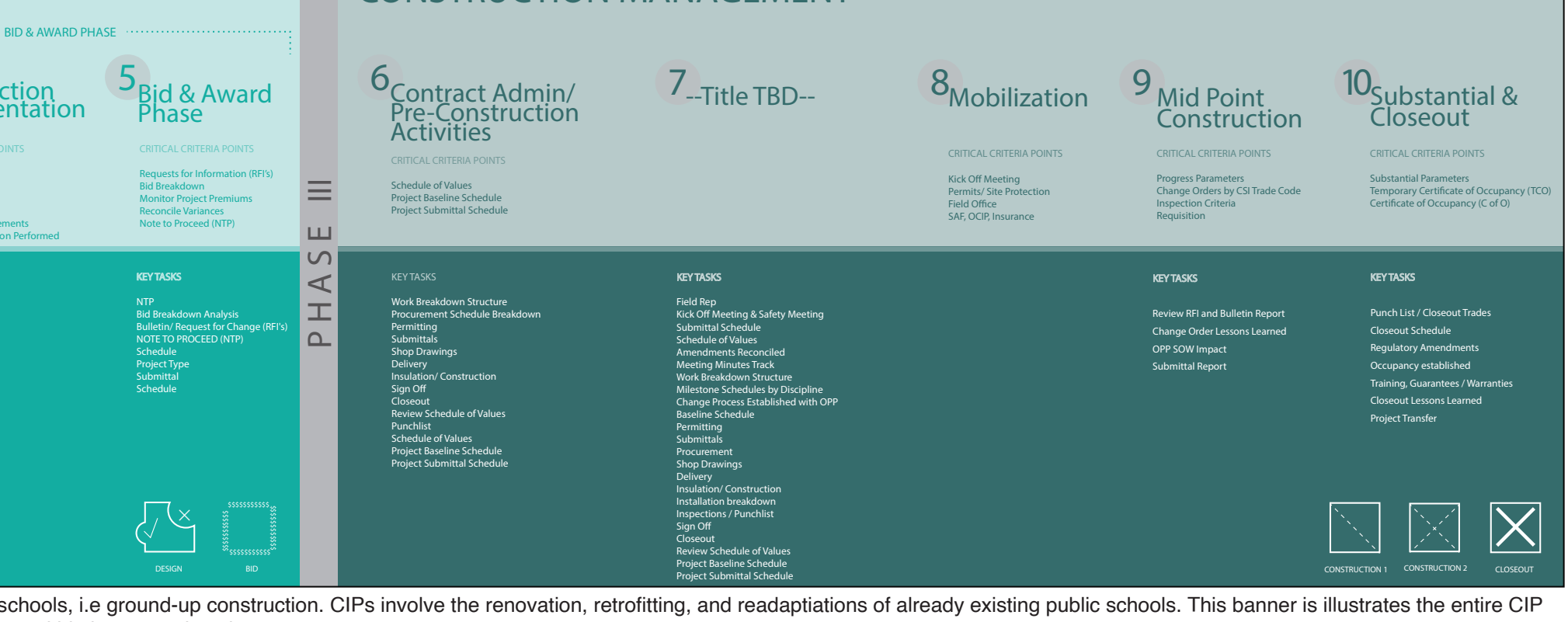
UniFormat-CSI Code Integration

CSI MasterFormat is the current industry standard for trade code organization. As SCA transitioned into CSI 50, I diagrammed the connnections in organization structure between CSI and the formerly used Uniformat, as a proposal to integrate the two code structures.

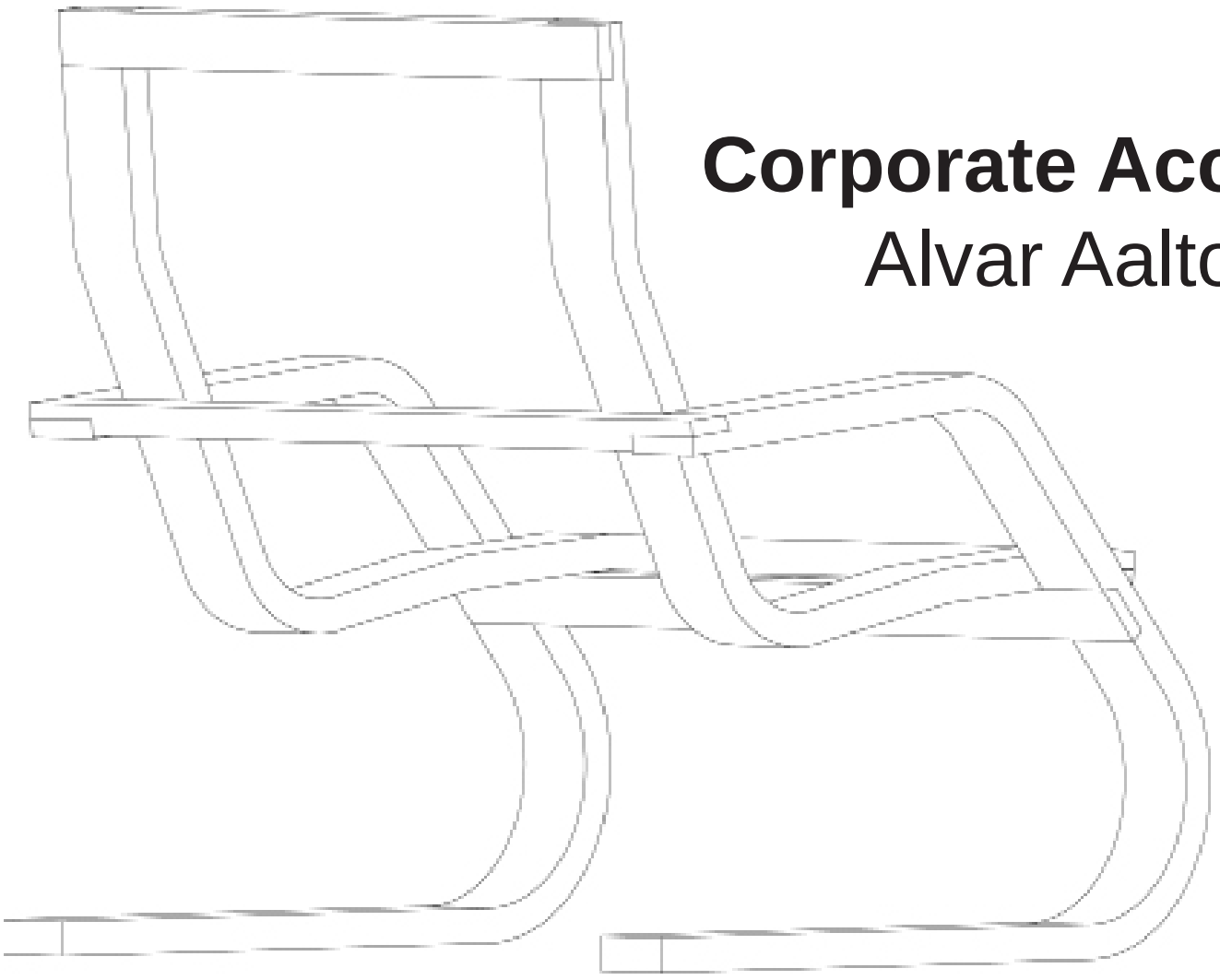


MAPPING OUT A PROJECT

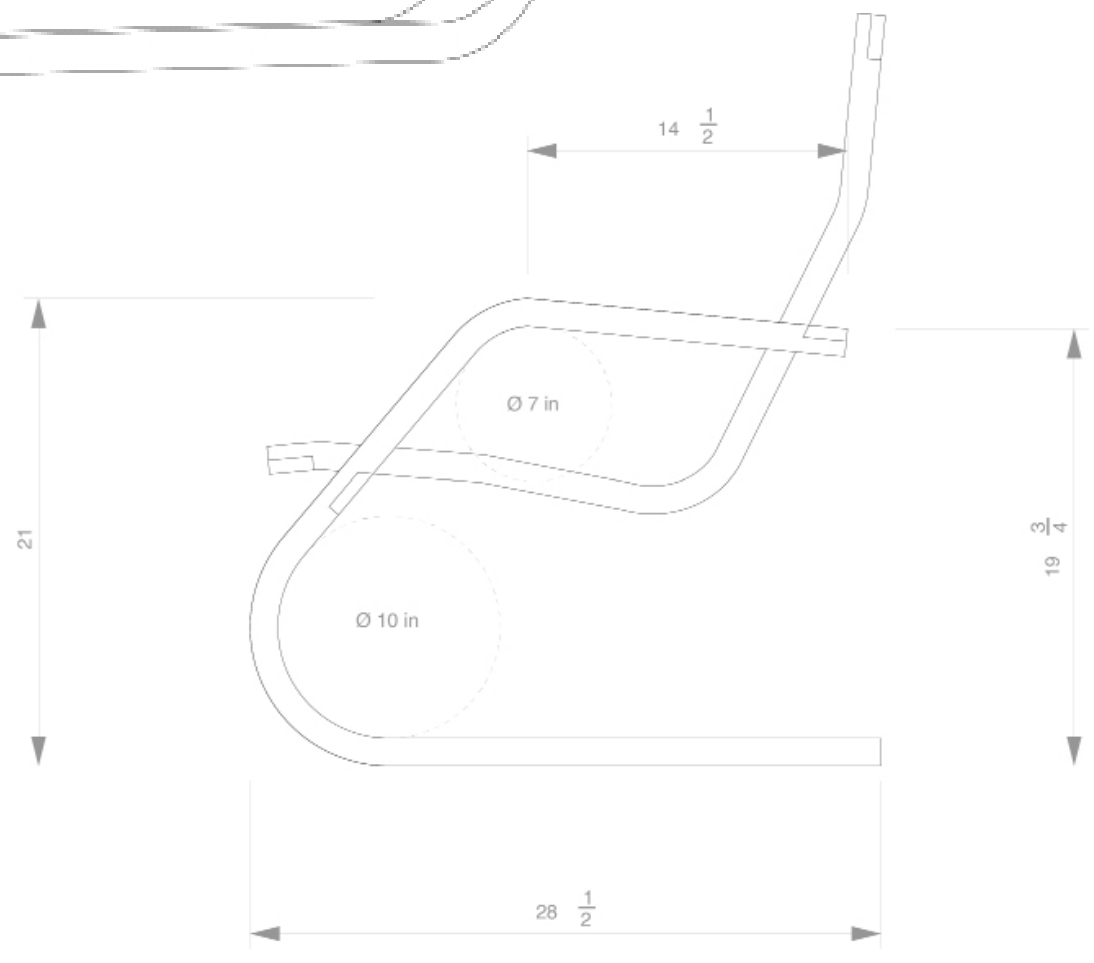
This visual is illustrating the life of a project from inception to closeout, moving thorugh different project phases

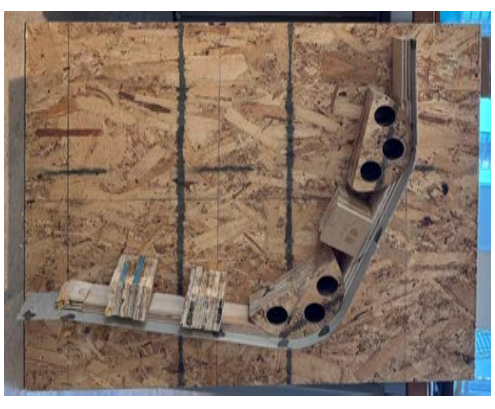


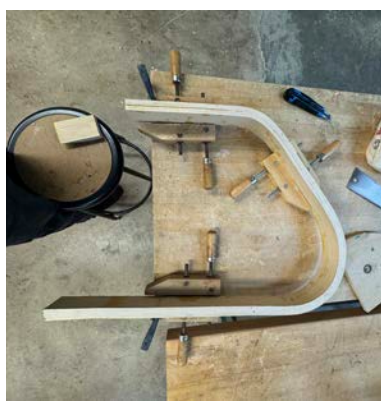
schools, i.e ground-up construction. CIPs involve the renovation, retrofitting, and readaptiations of already existing public schools. This banner is illustrates the entire CIP uts within its respective phases.



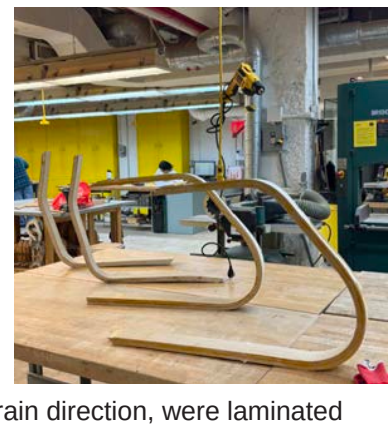
Corporate Accommodations
Alvar Aalto-Inspired Chair











Construction photos showing the formwork designs for the seat frame and arms. Nine layers of 1/16 inch plywood, alternating in grain direction, were laminated together and then clamped tightly against the formworks simultaneously, using a “spine” to support the pieces as they bend and dry.

This chair design draws inspiration from the iconic modernist forms of Alvar Aalto and the democratic design principles of IKEA. Conceived as an exploration in side-profile minimalism, the chair's silhouette was the starting point: a continuous gesture rendered in wood. The result is a cantilevered structure constructed entirely through bent lamination techniques, emphasizing both strength and fluidity.

All connections are expressed through clean half-lap joints, reinforcing the visual continuity of the design. The wooden elements interlock in a way that blurs the line between structure and surface, allowing the chair to read as a single, flowing contour. The absence of mechanical fasteners highlights the integrity of the material and the craft of its construction.

This piece functions not only as a seating object but as a sculptural study in line, balance, and the expressive potential of engineered wood.