

SCALES
OF
RESOLUTION

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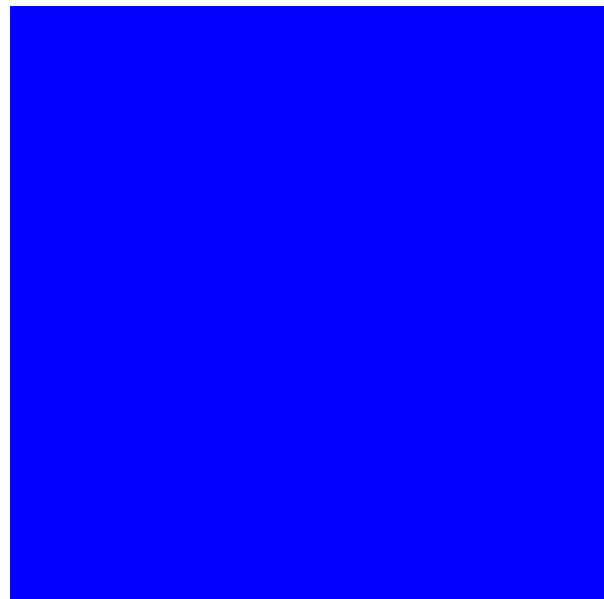
**SCALES
OF
RESOLUTION**



The following is a multi-scalar compilation of ideas distilled from September 2020 through April 2023. The work is a crescendo of resolution, examining detail, investigating the civic. Organized as a gradient of scalar explorations, devoid of chronological specificity. As new projects were deployed, old questions resurfaced, and the work is meant to be read as a run-on sentence, with pauses of punctuation, and no definitive end. Each detail, moment, space, structure, and civic instigation is in dialogue, with degrees of architectural resolution, legibility, and abstraction. The collection of work, while often geographically located, finds site specificity within this publication, and in relation to each scale that precedes and follows.

Multi-scalar.

Composed and curated by Maclane Elizabeth Regan





Scale 01 Cartographic

Scale 02 Civic

Scale 03 Structural

Scale 04 Momentary

Scale 05 Intricate

Index

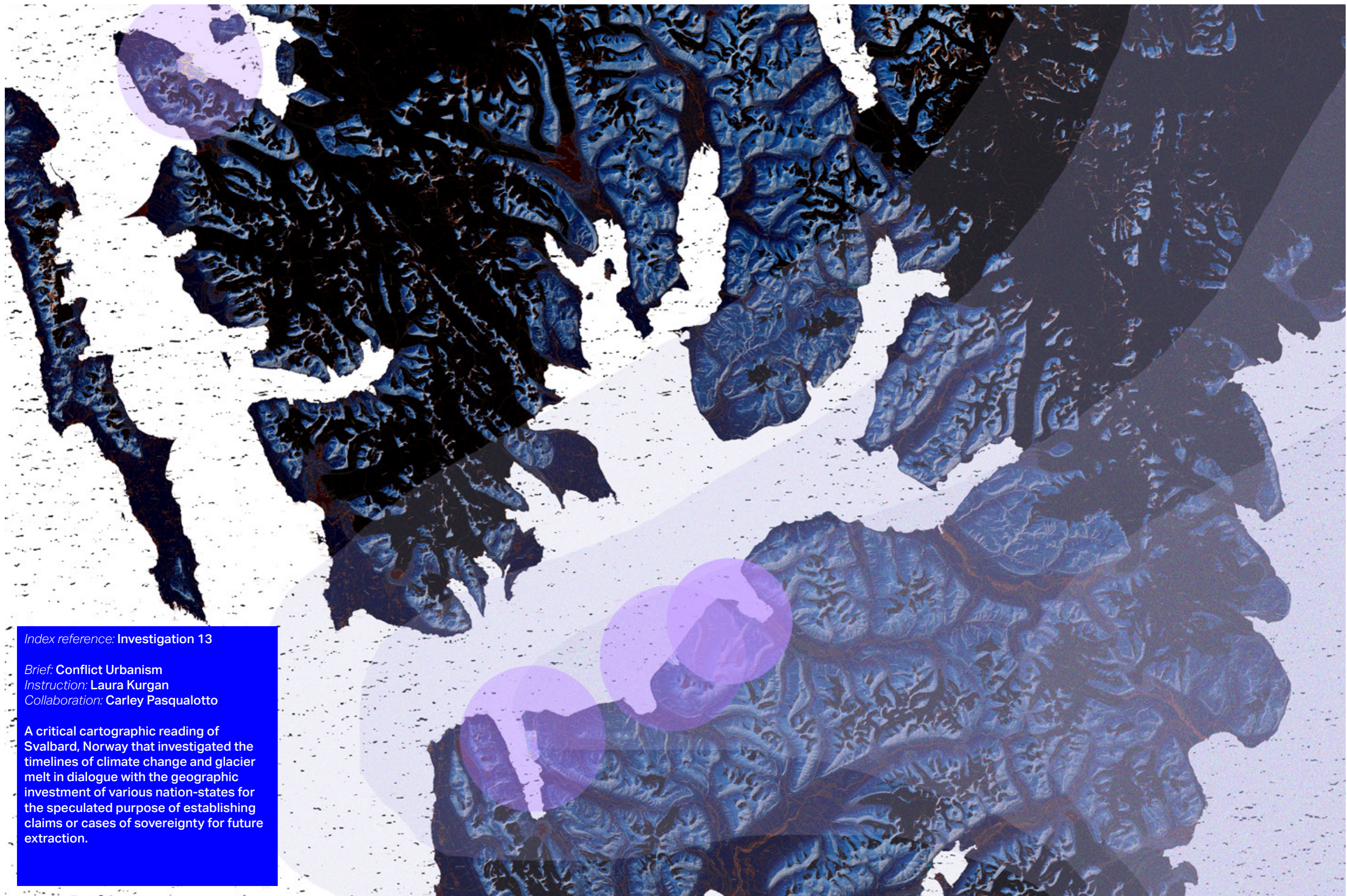
Remarks



Investigations that operate on a cartographic scale, encompassing both geographic adjacency and historical narrative. These responses are categorized by a scope of research and reading that is not limited by the moment, space, structure or civic, but situates the architecture and design within an expanded context and practice. These investigations deploy both geographic and historical consideration where the projects depart from site specificity and probe questions about sovereignty, jurisdiction, power, and history.

SCALE: 01

Cartographic



Index reference: Investigation 13

Brief: Conflict Urbanism

Instruction: Laura Kurgan

Collaboration: Carley Pasqualotto

A critical cartographic reading of Svalbard, Norway that investigated the timelines of climate change and glacier melt in dialogue with the geographic investment of various nation-states for the speculated purpose of establishing claims or cases of sovereignty for future extraction.



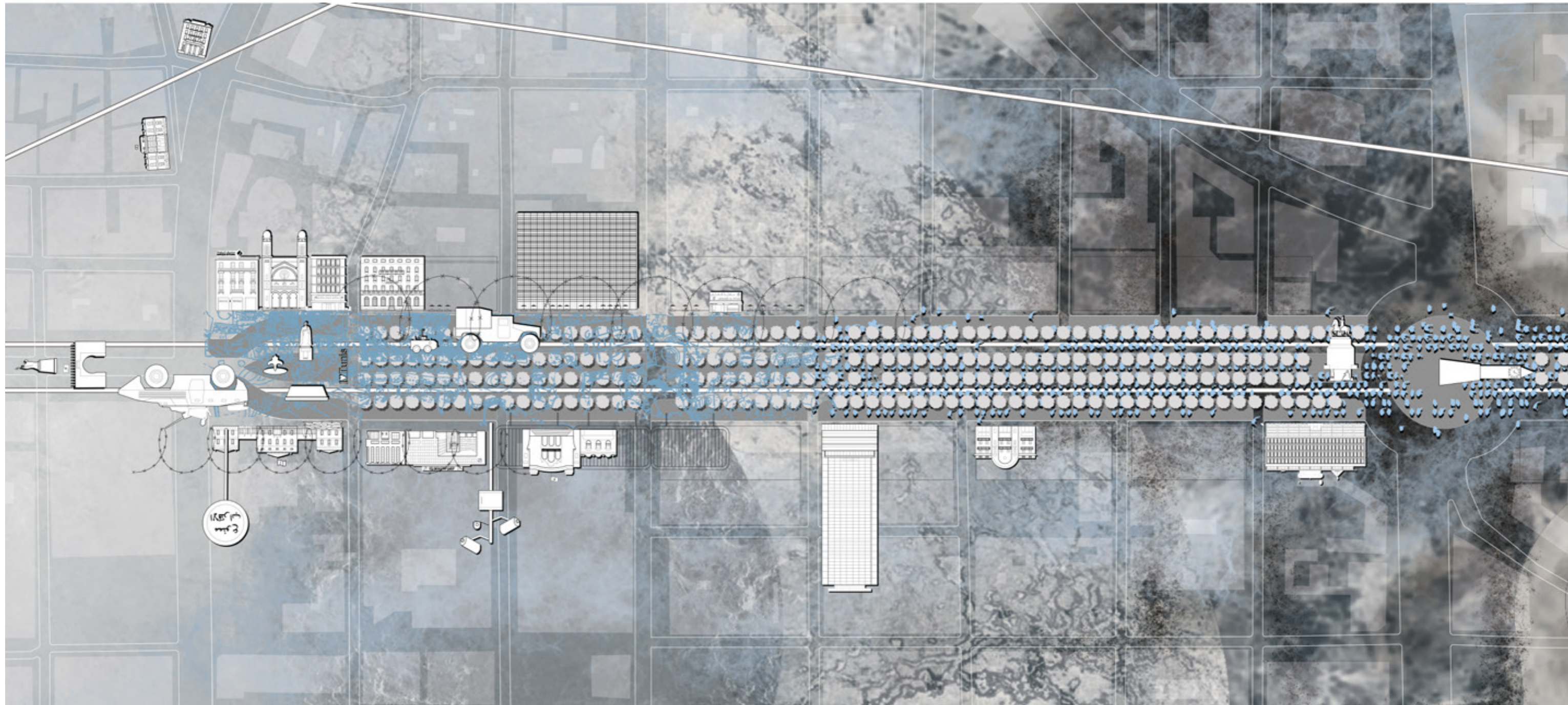
Index reference: Investigation 05

Brief: ADR II

Instruction: Dan Taeyoung and Violet Whitney

Collaboration: Priscilla Liu Auyeung
Sky Tianyun

A trans-national analysis of agricultural movement and the carbon footprint based on distance, energy, and water required for the production and arrival of various take out restaurant ingredients. Cataloging the network of distribution that currently impacts the environmental imprint of the food delivery industry.



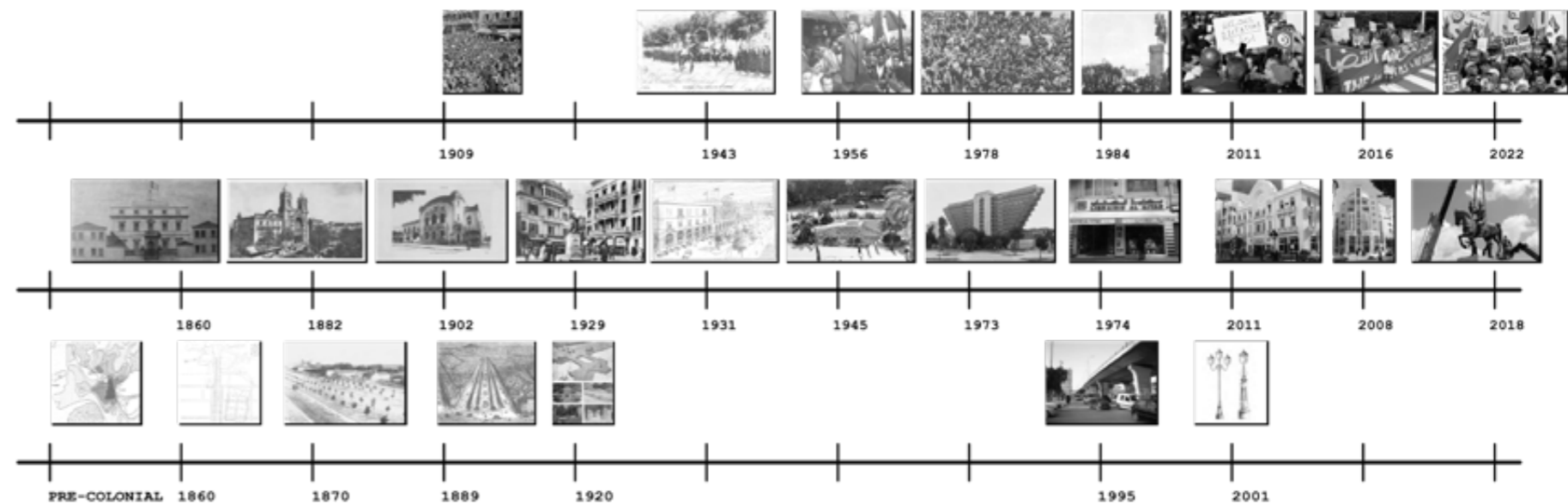
Index reference: Investigation 10

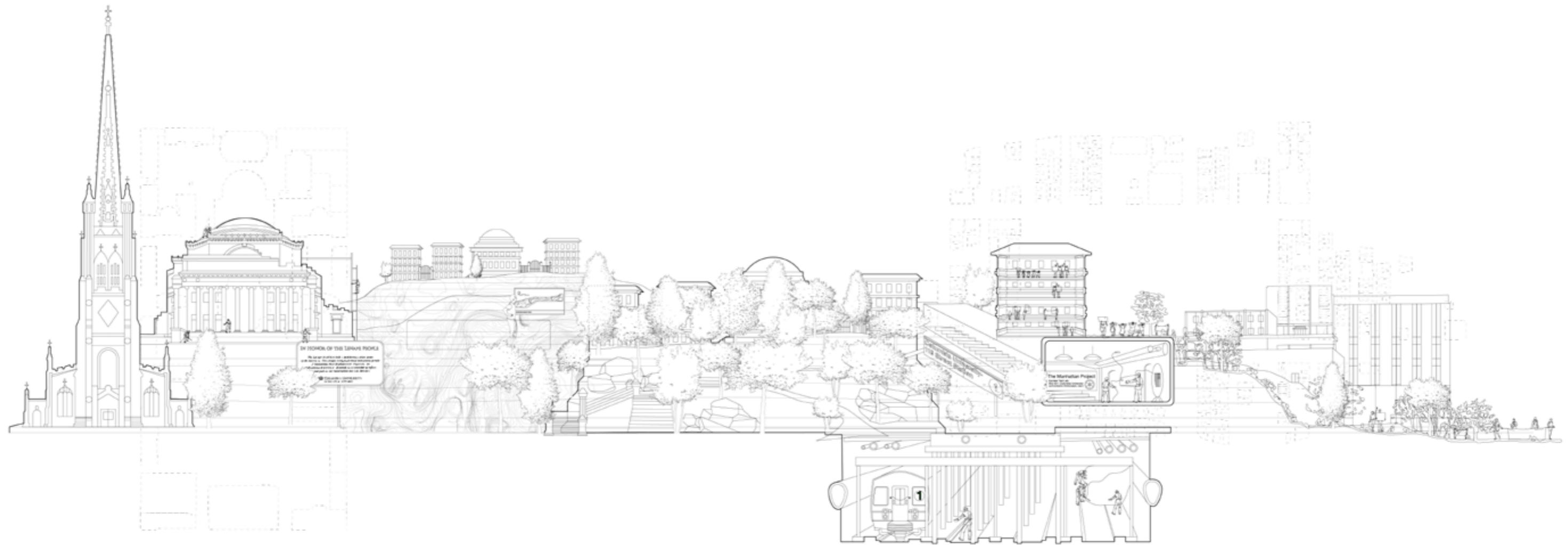
Brief: The Right to the (Dual) City

Instruction: Ziad Jamaledine

Collaboration: Nicolas Nefiodow

Historical and in tension. This representation of Avenue Habib Bourguiba in Tunis, Tunisia sets out the timeline of political, ecological, and architectural development along the urban axis from the pre-colonial era through modern day, tracing how nationalism, policing, and revolution have shaped the fabric of the city, and produced a highly contested landscape for political demonstration.



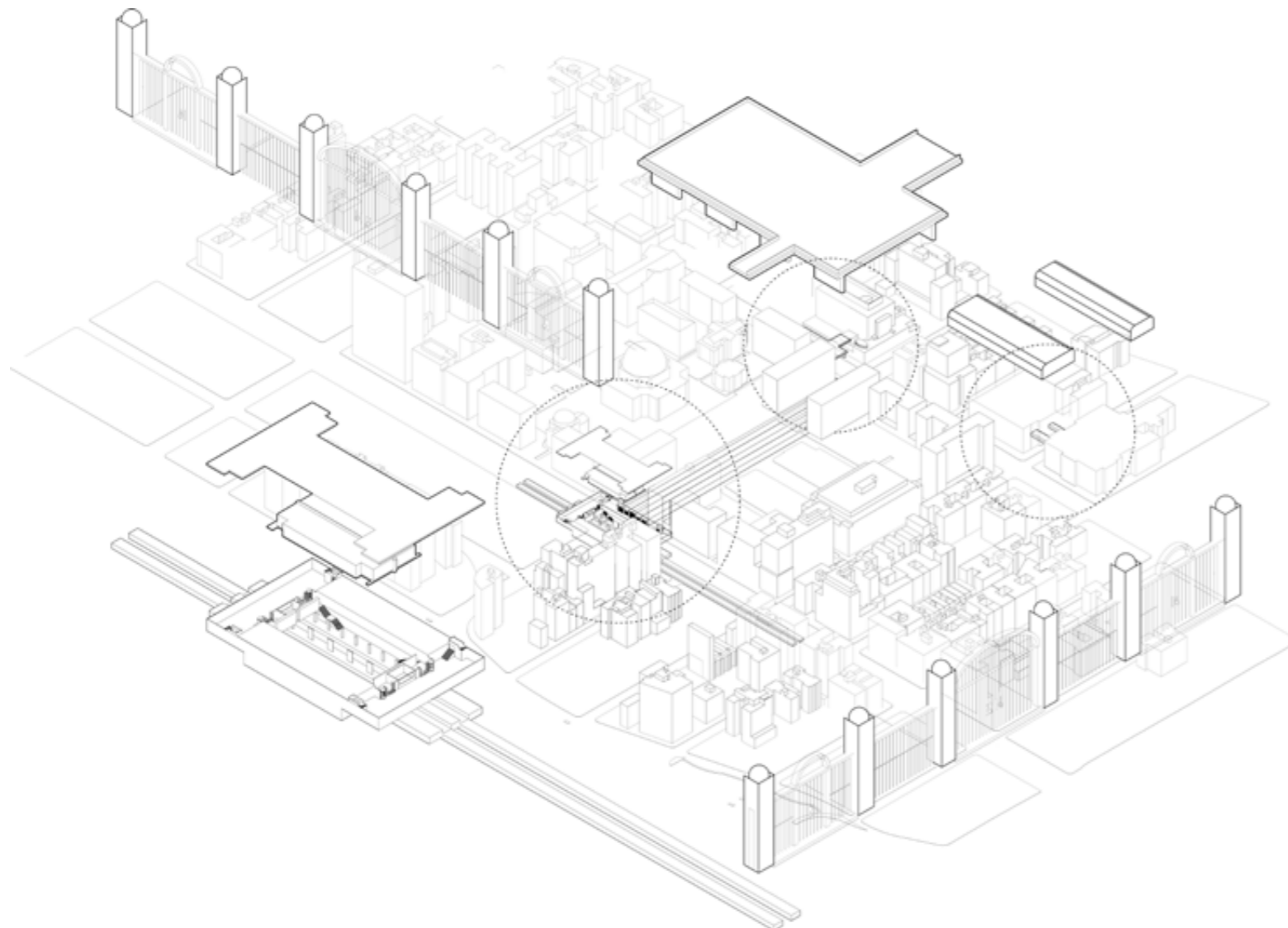


Index reference: Investigation 01

Brief: **Broadway Stories**

Instruction: **Lindy Roy**

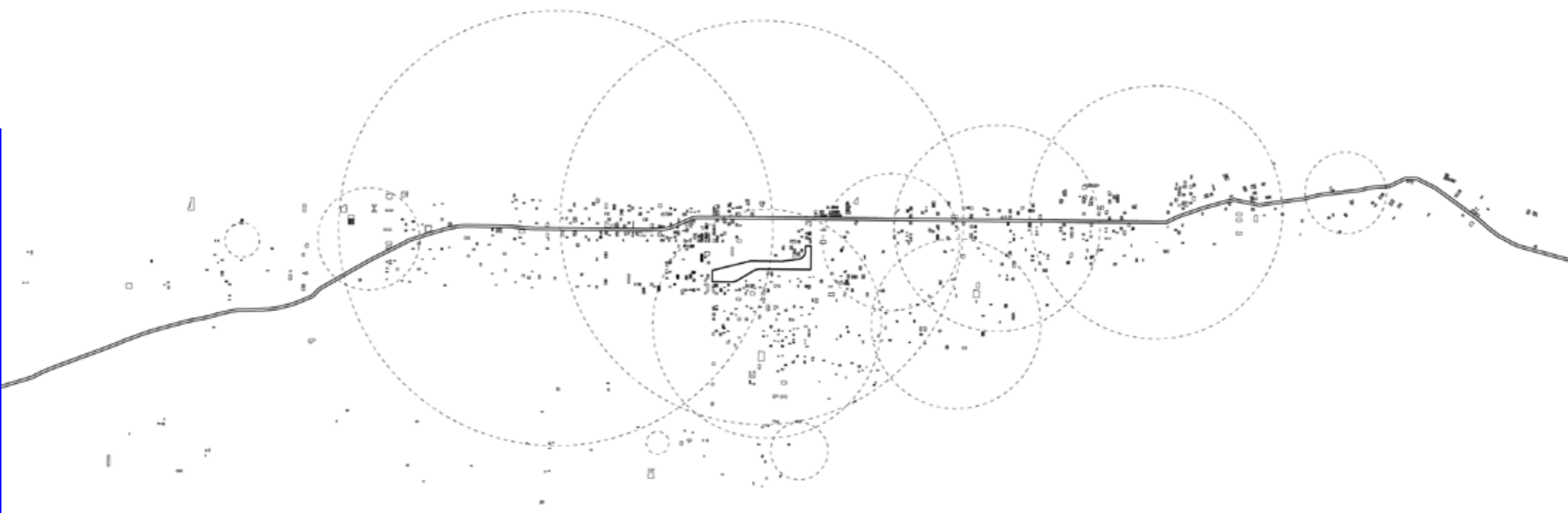
Reading the historical narrative of Columbia University including how the institution has been situated in the larger narrative of New York City with the geographic migration over the land of the Lenape from downtown, to Morningside Heights. This elevation/section traces the story of institution investment in projects like the Manhattan Project, the NYC Subway line, and Morningside Park gym.

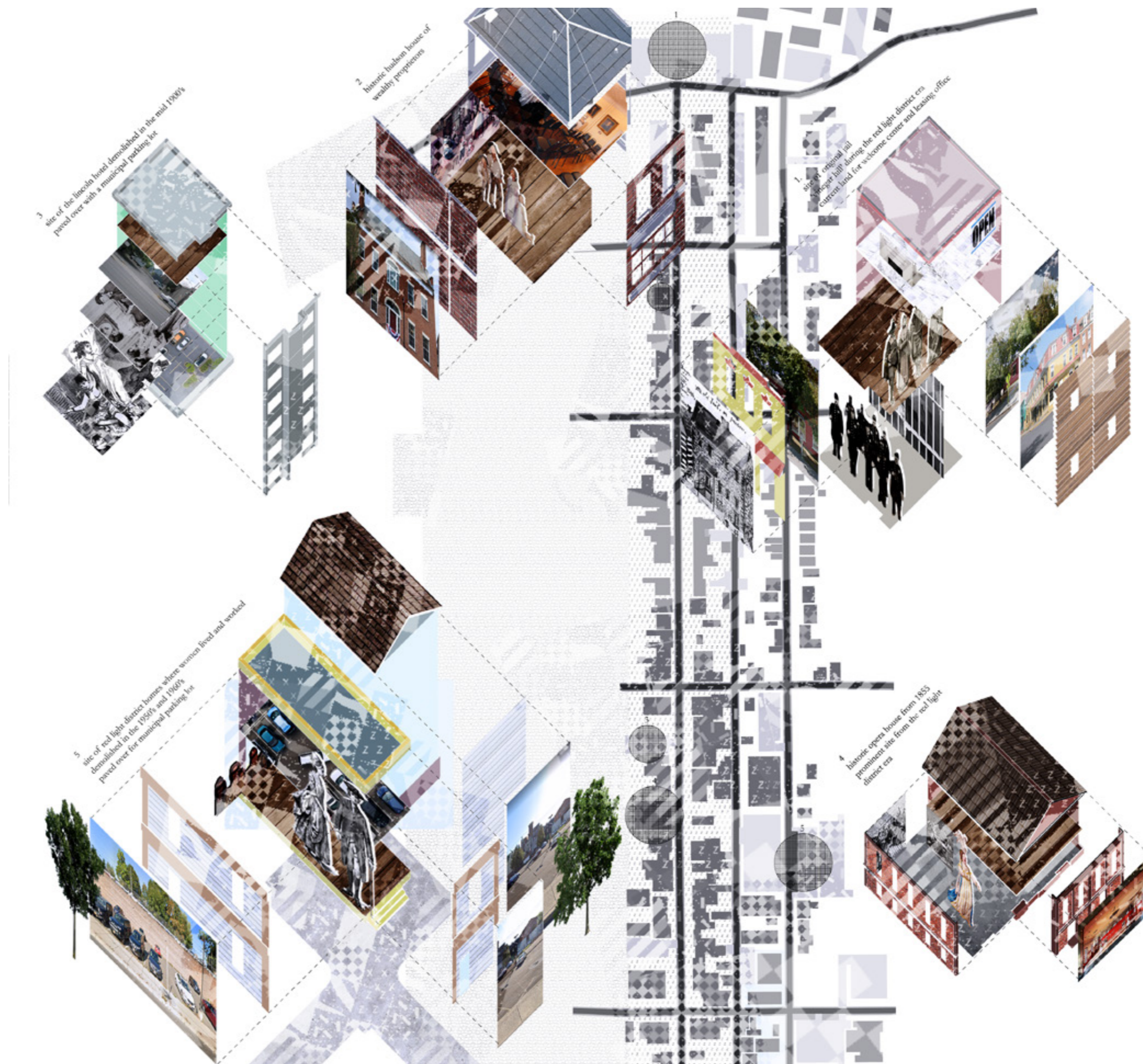


Index reference: Investigation 01

Brief: Broadway Stories
Instruction: Lindy Roy
Collaboration: Nicolas Nefiodow

How does Columbia University establish and reinforce ownership in Morningside Heights and throughout Manhattan? Drawings allude to branding and identity, the appropriation and infiltration of public space, and the broad network of bodies and housing that deploys from Columbia University leaving a mark on the rest of the City.





Index reference: Investigation 07

Brief: Landscape of Post Domestic Suburbia

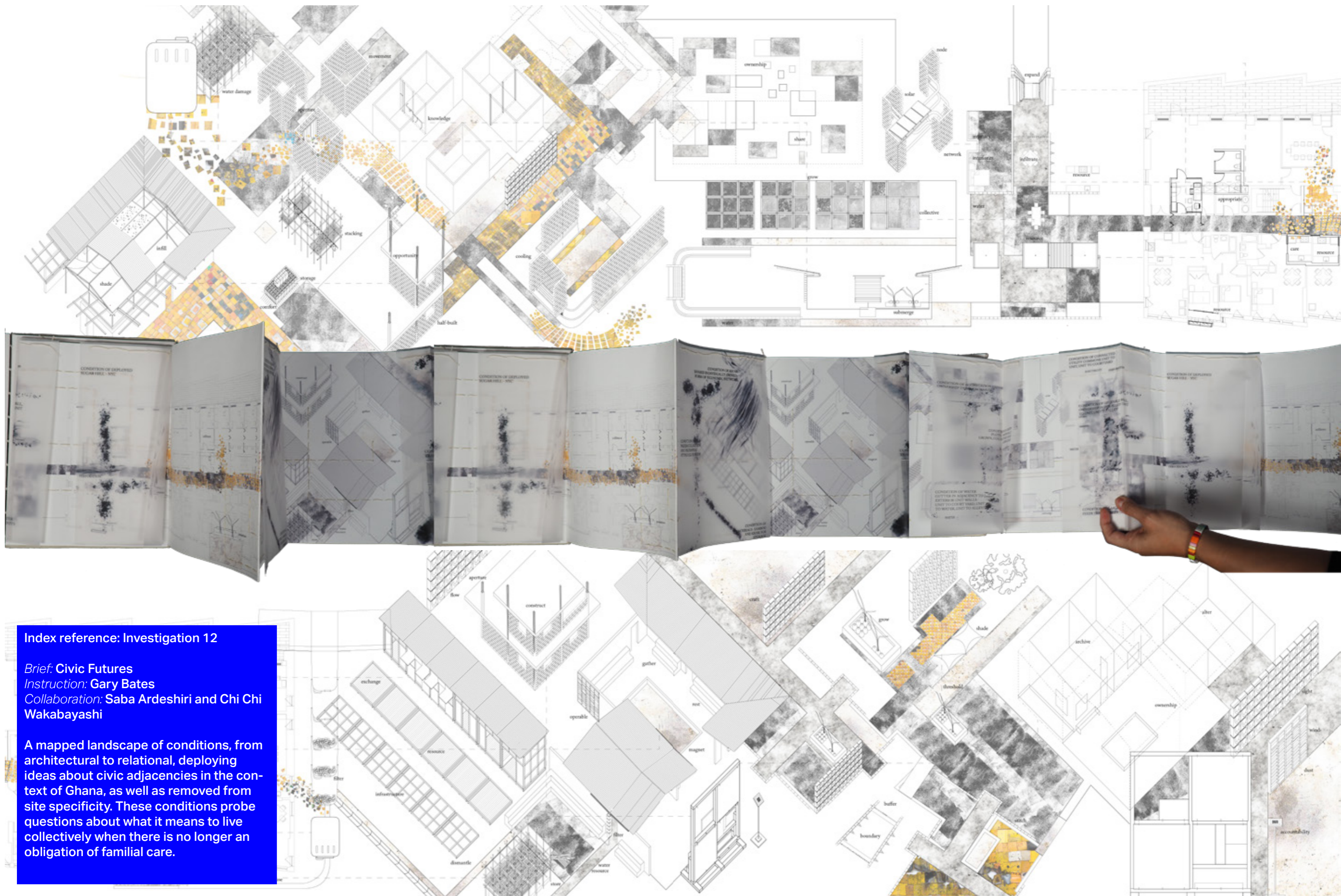
*Instruction: Alessandro Orsini
Collaboration: Cecile Kim*

Expanded layers revealing the historical underlays behind each facade along Hudson Ave. The controversial narratives that instigate questions about what is preserved and why? How does intended urban image shape the civic investment in preservation?

The civic scale is intimately tied to human interaction within an urban framework. Civic is system, intimate but deployable. This is analysis through the lens of urban adjacencies and through the matrix of infrastructure. Political frameworks, the commons, agreements and negotiations. The civic scales is closely linked with community dependency. The follow representations cannot be read devoid of the human, or devoid of the urban realities in which they intervene.

SCALE: 02

Civic



Index reference: Investigation 12

Brief: Civic Futures
Instruction: Gary Bates
Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

A mapped landscape of conditions, from architectural to relational, deploying ideas about civic adjacencies in the context of Ghana, as well as removed from site specificity. These conditions probe questions about what it means to live collectively when there is no longer an obligation of familial care.



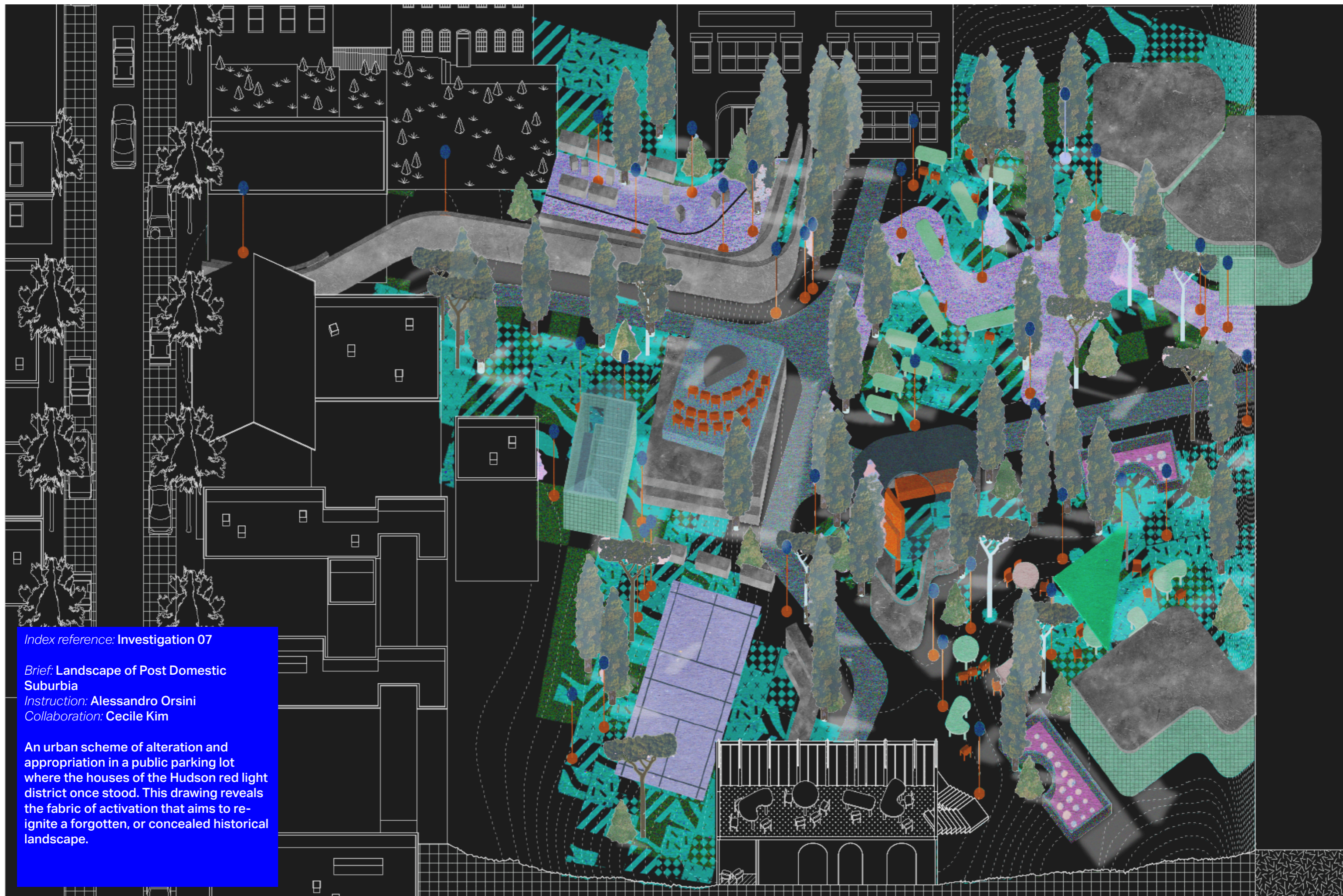
Index reference: Investigation 12

Brief: Civic Futures

Instruction: Gary Bates

Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

Visual Agreements installation is the central hub for students to display their work for publication, while negotiating how they overwrite and interact with work that came before them. Forcefully collaborative, undoubtedly civic. Every action is a negotiation, with history, and with the future of civic display. How did you find it? How did you leave it?



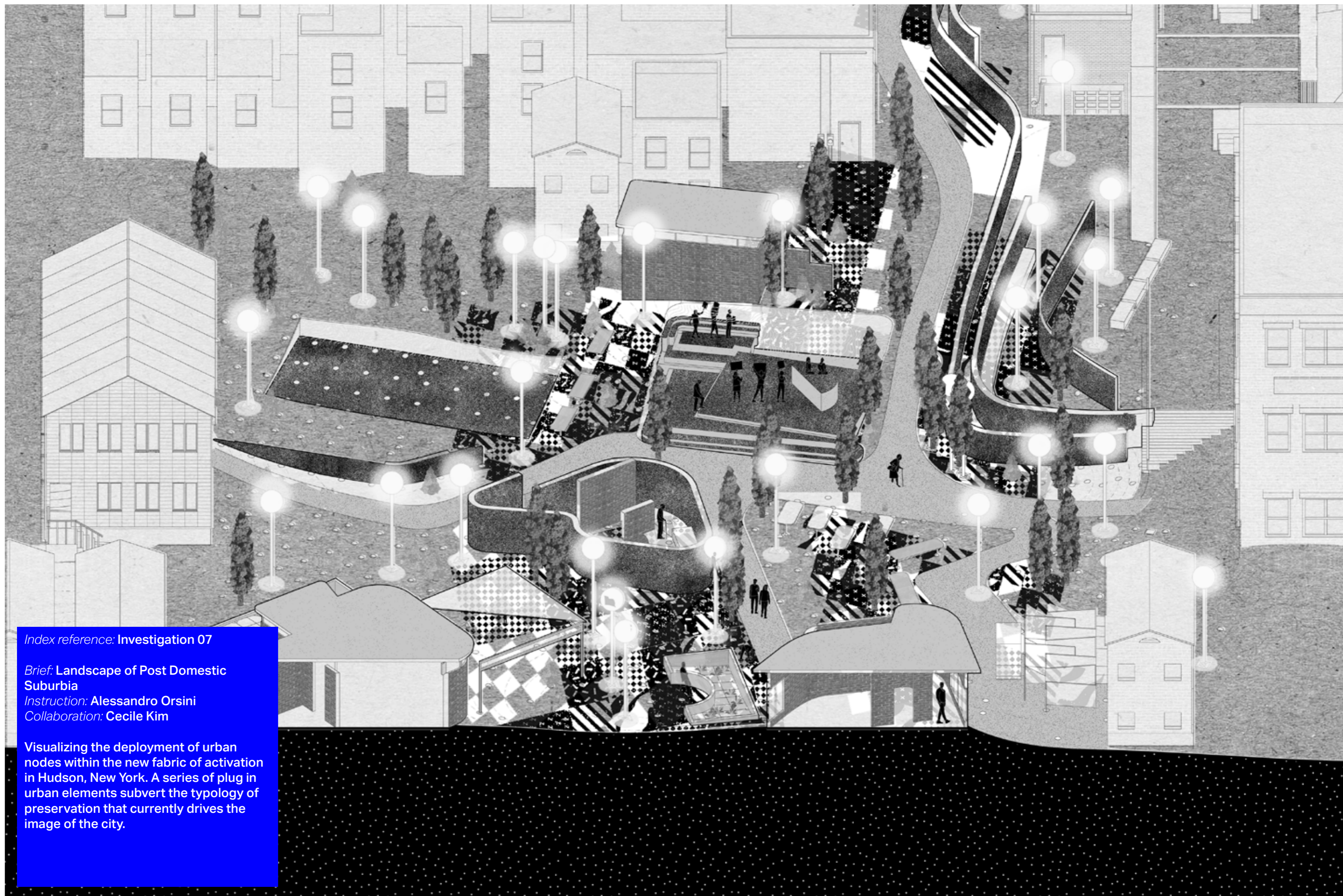
Index reference: Investigation 07

Brief: Landscape of Post Domestic Suburbia

Instruction: Alessandro Orsini

Collaboration: Cecile Kim

An urban scheme of alteration and appropriation in a public parking lot where the houses of the Hudson red light district once stood. This drawing reveals the fabric of activation that aims to reignite a forgotten, or concealed historical landscape.



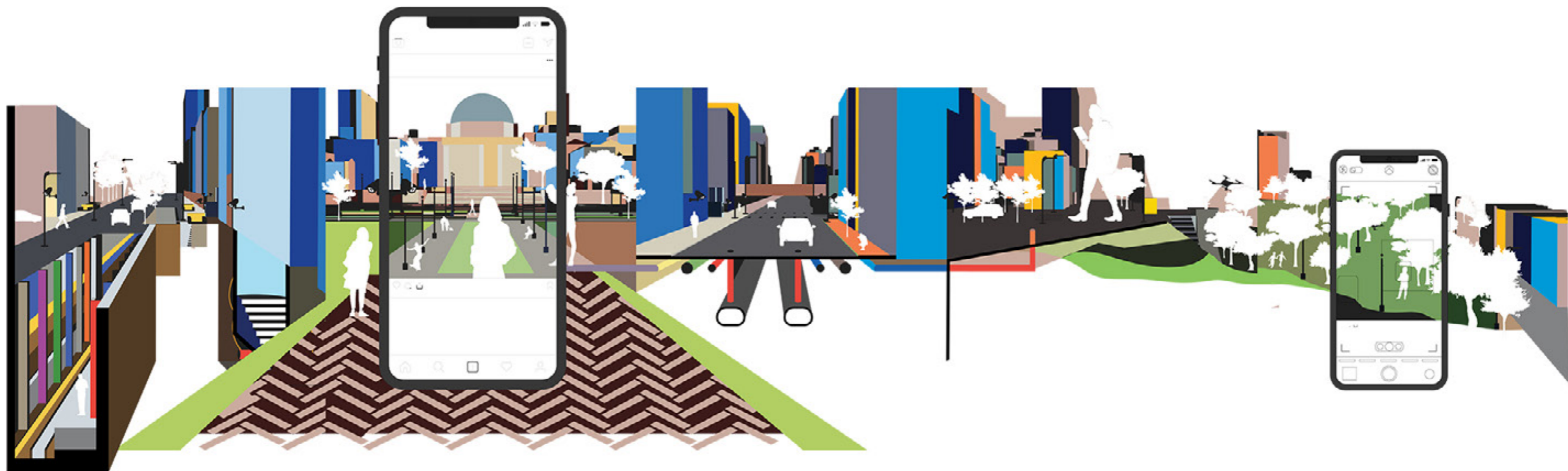
Index reference: Investigation 07

Brief: Landscape of Post Domestic Suburbia

Instruction: Alessandro Orsini

Collaboration: Cecile Kim

Visualizing the deployment of urban nodes within the new fabric of activation in Hudson, New York. A series of plug in urban elements subvert the typology of preservation that currently drives the image of the city.

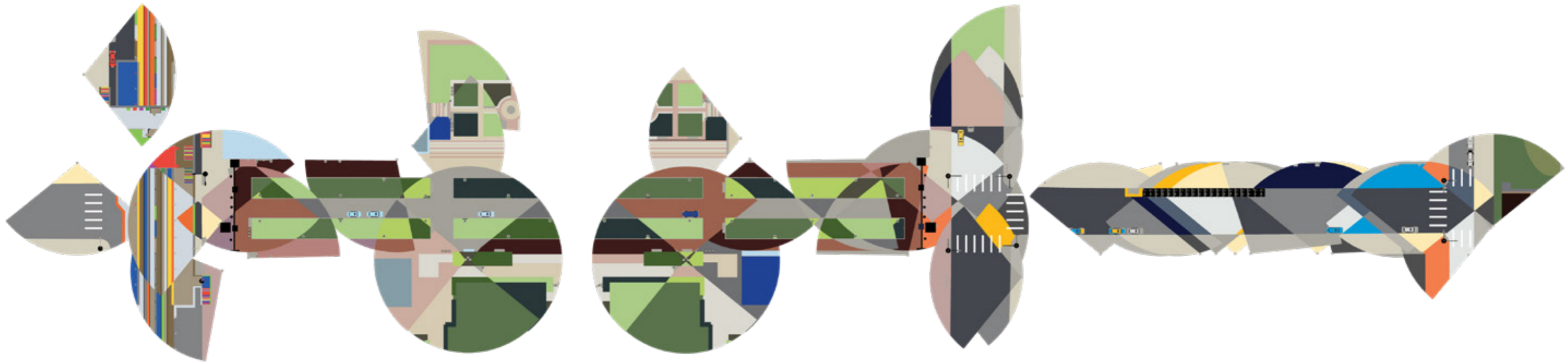


Index reference: Investigation 01

Brief: **Broadway Stories**

Instruction: **Lindy Roy**

An investigation of 116th street and the frameworks that monopolize the space from the lens of the user, and the digital eye.

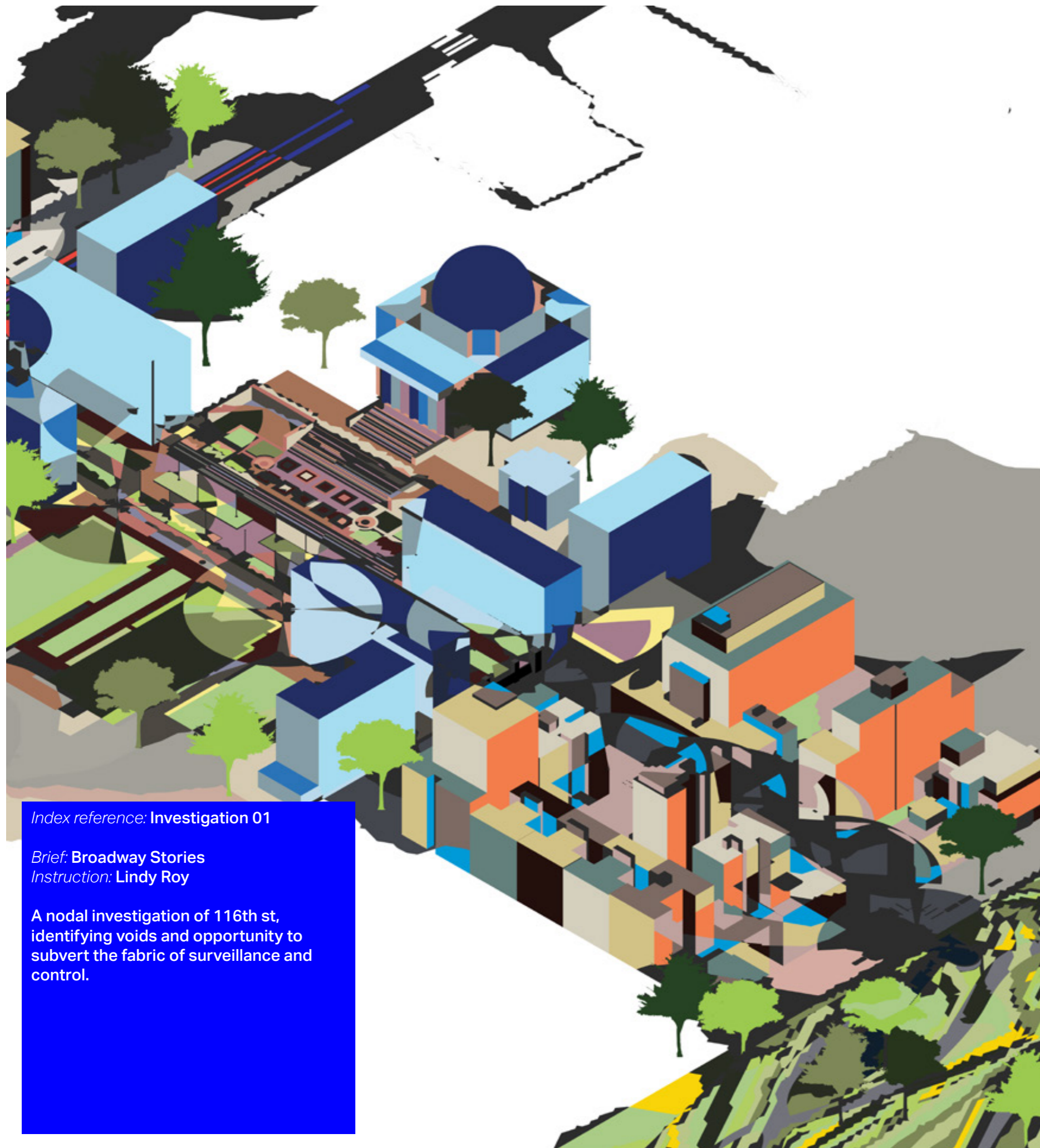


Index reference: Investigation 01

Brief: Broadway Stories

Instruction: Lindy Roy

A visual investigation of 116th st,
mapping lenses and visual exposure to
identify potential areas of intervention.

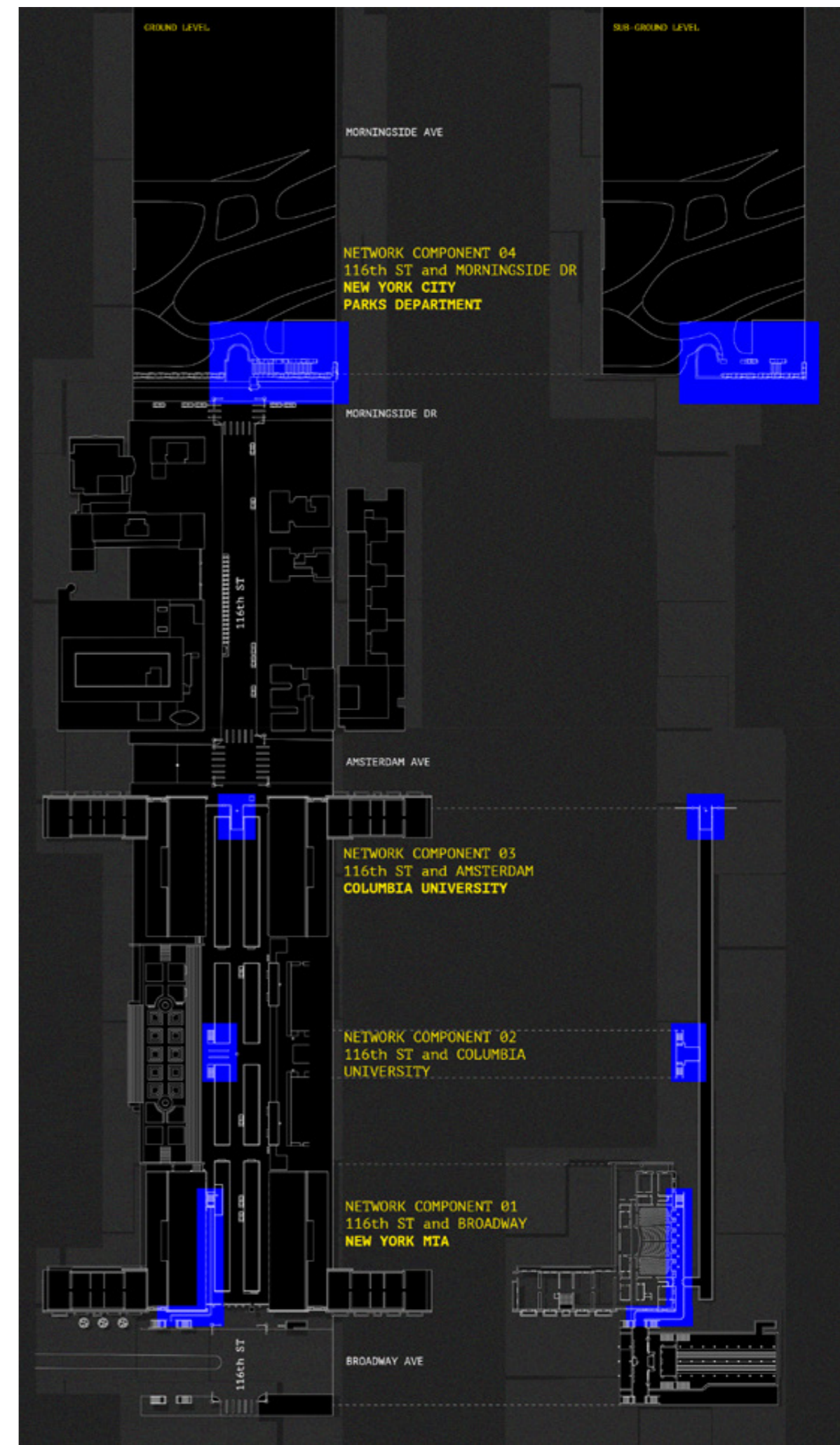


Index reference: Investigation 01

Brief: Broadway Stories

Instruction: Lindy Roy

A nodal investigation of 116th st, identifying voids and opportunity to subvert the fabric of surveillance and control.



MORNINGSIDE AVE

NETWORK COMPONENT 04
116th ST and MORNINGSIDE DR
NEW YORK CITY
PARKS DEPARTMENT

MORNINGSIDE DR

AMSTERDAM AVE

NETWORK COMPONENT 03
116th ST and AMSTERDAM
COLUMBIA UNIVERSITY

NETWORK COMPONENT 02
116th ST and COLUMBIA
UNIVERSITY

NETWORK COMPONENT 01
116th ST and BROADWAY
NEW YORK MIA

BROADWAY AVE

116th ST



Avenue Habib Bourguiba WAQF
Proposed and Approved in the month of November
of the year 2022

- 01 - Object or property
- 02A - Assets (financial support)
- 02B - Donor and administrator (operator)
- 03 - Beneficiaries
- 04 - Benefits
- 05 - Imagined future

01:

The urban planter - an object of security in the hyper policed 21st century Tunis
 The median of the avenue, stretching from the cross streets of Rue Jamel Abdenasser and Avenue Habib Bourguiba to the Avenue Habib Bourguiba clocktower on Pl. du 14 janvier 2011. The unbuilt property extents and adjacent sidewalk and street in front of the ministry of the interior that is currently blocked off to pedestrian and vehicular thoroughfare
 For consideration: The sidewalks adjacent to the median
 For specification: The sectional area of the median. Does the space of the median include all of the geological layers and utility lines below?

02:

A: The ministry of the interior budget
 The city budget for economic development - investing the the local fabrication and distribution of a new catalog of urban planters
 The maintenance budget for landscaping along the avenue, the current supply of labor for

maintenance to the avenue can be coupled into the partnership as maintenance shifts. Can we shift away from scripting the manicured image of the city and into an avenue maintenance plan that expands the ecology of the site, and reclaims the surface and subterranean layers for flourishing human and non human experience?

B: Cultural activities along the avenue that are currently encased by the scripted facade line

The bookstore
 The municipal theater
 The cathedral

03:

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

04:

A rescripted landscape within the median
 Remediation ecologically. Pollution, habitats, vegetation, water retention.
 Re-scaped to host vegetation. Uprooted, exposed, re-claimed by the ecological diversity of the region.
 Physical breaking of the ground to re-scape. Programmatic breaking of the endless facade of political power. Can the hidden public programs of the avenue be taken out from the historical shells and expand into the median. Transitioning from a thoroughfare to a settling place... of sediment, locals, tourists, bodies.

An archive of the ecological, colonial, and political history of the region, seen through the lens of scripted public space. A deployment of urban planters, crafted to slowly weather and disintegrate, giving way to new fertile ground to host an expanding fabric of vegetation.

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

05:

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

1A. The distribution and collection of planters forms a subverted barricade closing in the activities and ensuring the spatial protection of the ministry of the interior, with the material composition intended to deteriorate, be dismantled by the water and plants that occupy, back into hills and piles of fertile soil to host a new landscape of flourishing local vegetation. Over time the militaristic barricade dividing the ministry from the public transforms from the typological reference to the political present to a un-scripted monument to the underground and local ecology

1B. The reconfiguration of planters fabricated from the recycled aggregate of existing planters provides new public program along the avenue

Urban furniture
 Cat habitats
 Stages
 Archives

EXCAVATIONS: Breaking the avenue hardscape with strategic excavations to archive the objects and structures of political power, exposing, re-routing, counter-scripting.

2A. Burying - objects of oppression are sunken beneath the avenue surface, deactivated from intended power structures and embedded in a preserved archive of how police power has impacted space since 2011, a memorial to the efforts of the revolution

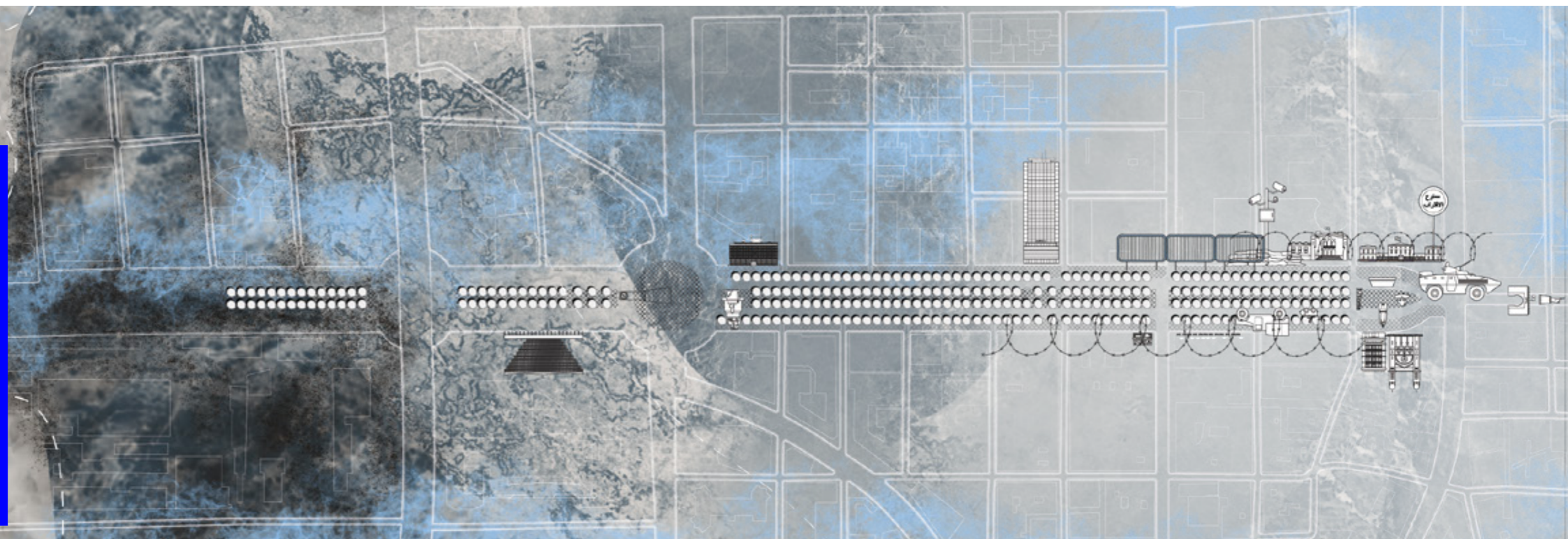
2B. Exposing - within the sunken caverns along the avenue, subterranean infrastructure is exposed. The underground nodes allow the user to peer into the hidden subterranean world. Including utility lines, tree roots, tunnels between the cathedral and the french embassy, bunkers beneath the median in front of the ministry of the interior. Each instance referencing layers of political history and activity in the area.

2C. Reprogramming - Excavations allow for public programs along the avenue that challenge the oppressive political landscape to expand beyond the facade of the avenue into the median.

Index reference: Investigation 10

Brief: The Right to the (Dual) City
 Instruction: Ziad Jamaeddine
 Collaboration: Nicolas Nefiodow

The political framework of the WAQF, protecting and projecting the future of Avenue Habib Bourguiba for the benefit of the residents and the authoritative administration of local vendors and citizens.



Hispanic workers make up a growing share of the nonunion construction sector, where their relative youth, lower levels of education, and more-recent-immigrant status means they are paid far less than in the union sector

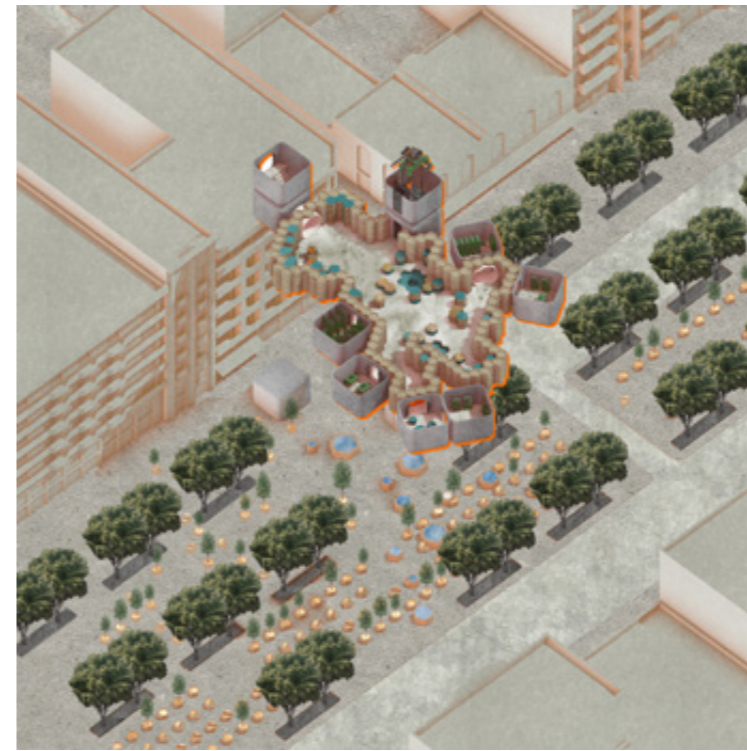
(except construction). There has been much discussion of diversity in the union sector but very little attention to the hiring decisions of nonunion contractors. Diversity of all

MANDATORY UNION
SAFETY TRAINING



Litigation
How Navillus' Owner Disentangled From a Non-Union Firm
The sale of ACS's assets, now Trident General Contracting, changed the picture

Index reference: Investigation 03
Brief: Footprint: Carbon and Design
Instruction: David Benjamin
A layered analysis of the systematic failures of unethical labor practices being deployed in the appropriation and construction of Manhattanville.



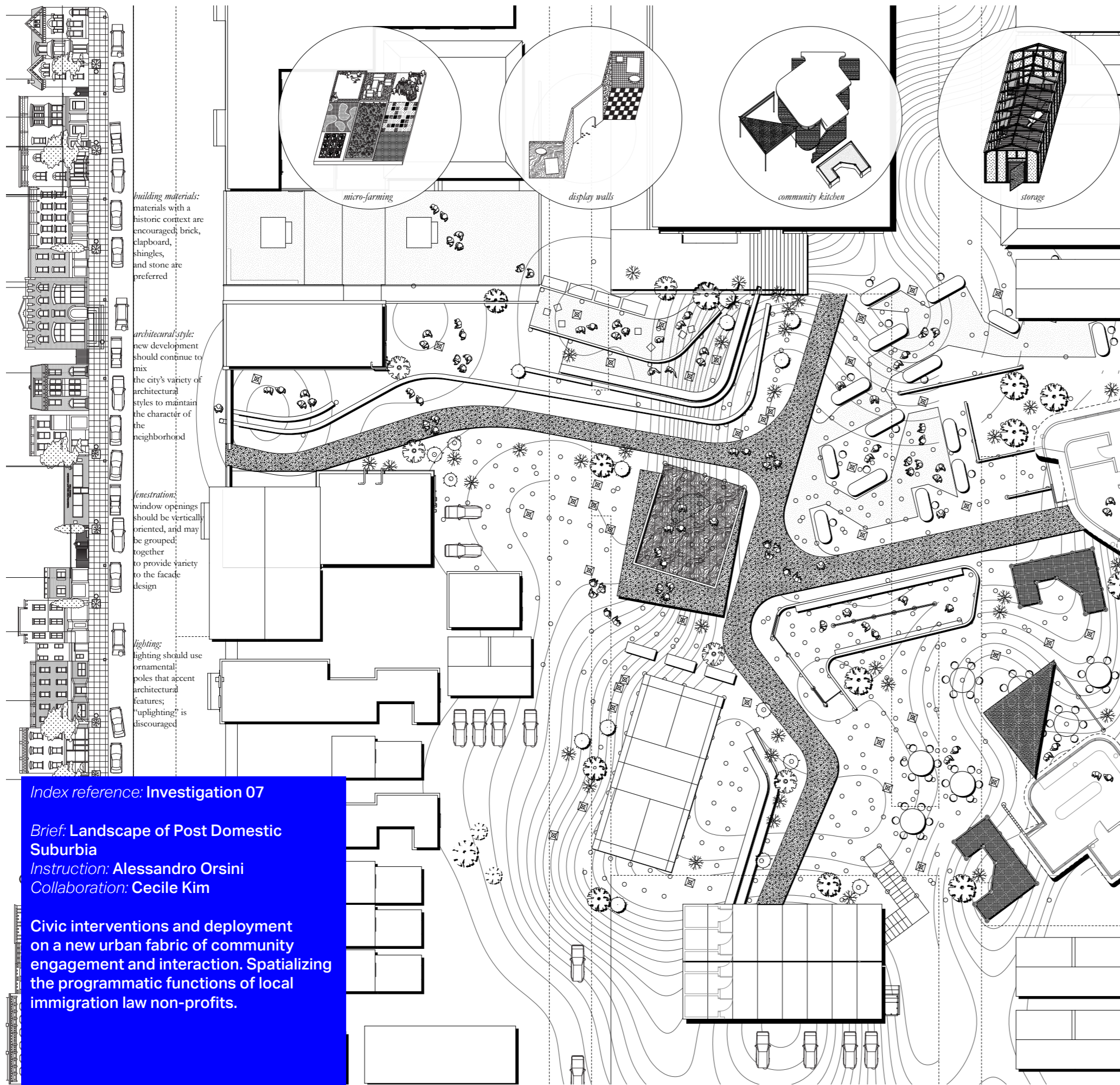
Index reference: Investigation 10

Brief: The Right to the (Dual) City

Instruction: Ziad Jamaledine

Collaboration: Nicolas Nefiodow

A full scope display of project deployment along Avenue Habib Bourguiba in Tunis, Tunisia where the hyper-policed landscape is subverted and gradually overtaken for a civic and ecological reclamation.



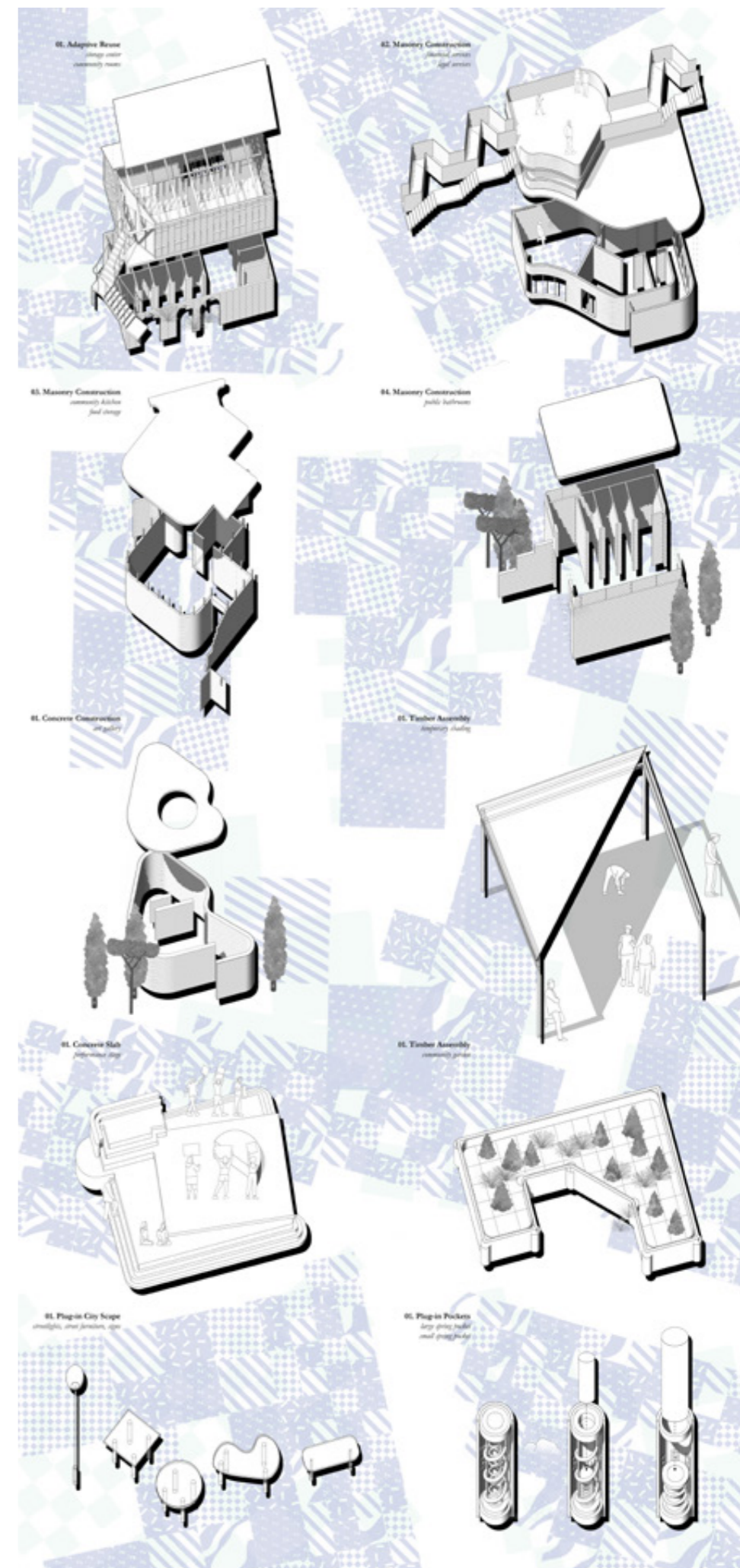
Index reference: Investigation 07

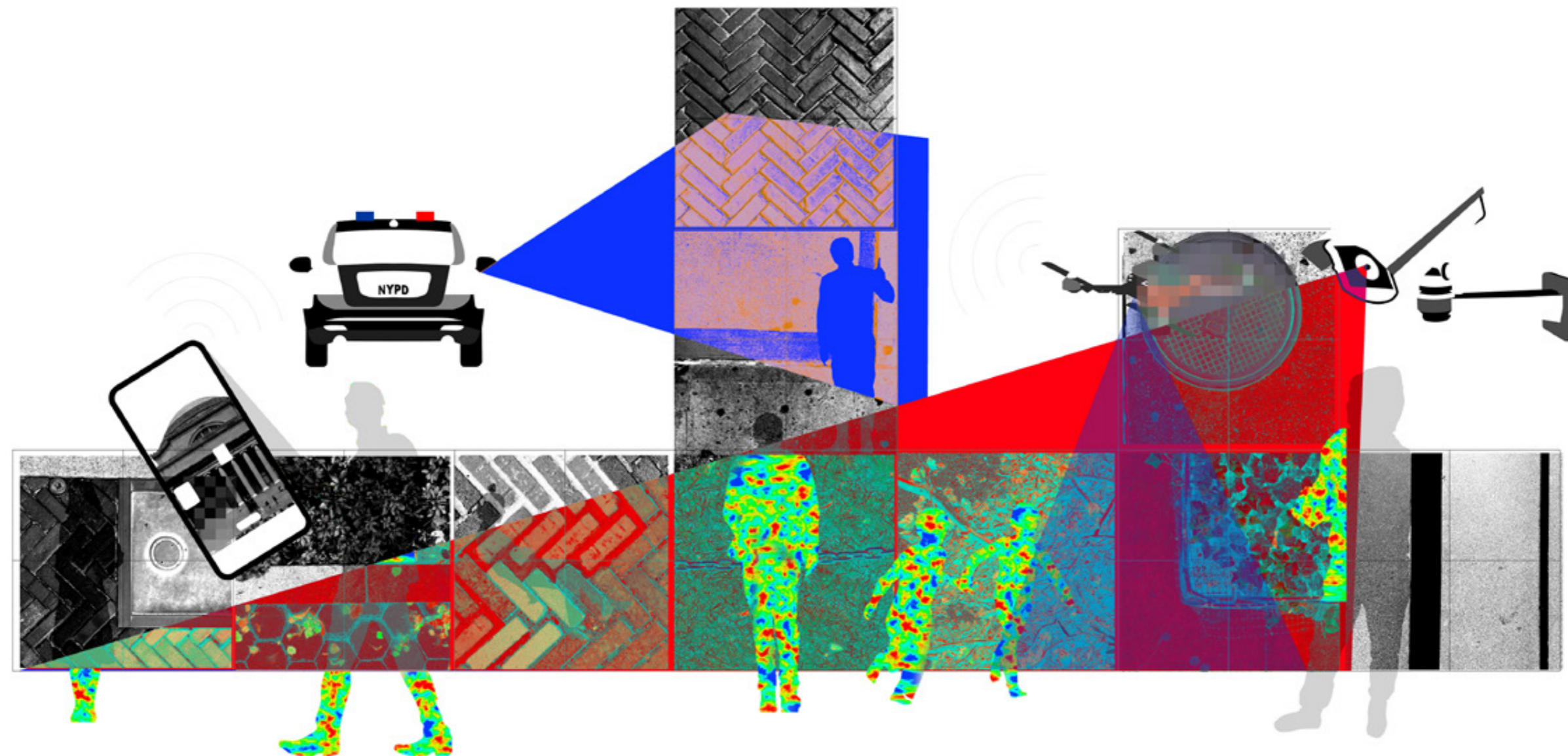
Brief: Landscape of Post Domestic Suburbia

Instruction: Alessandro Orsini

Collaboration: Cecile Kim

Civic interventions and deployment on a new urban fabric of community engagement and interaction. Spatializing the programmatic functions of local immigration law non-profits.





Index reference: Investigation 01

Brief: **Broadway Stories**

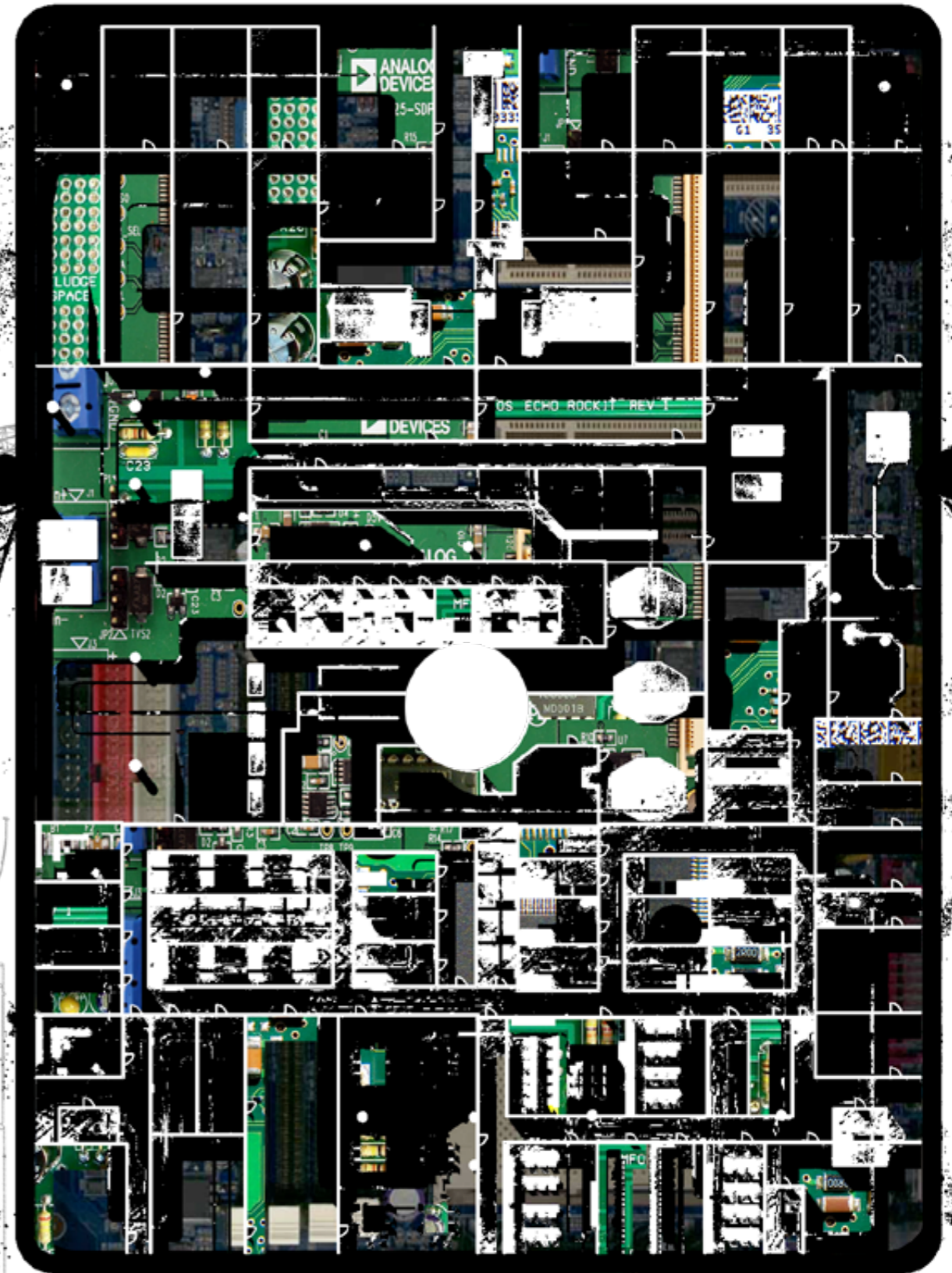
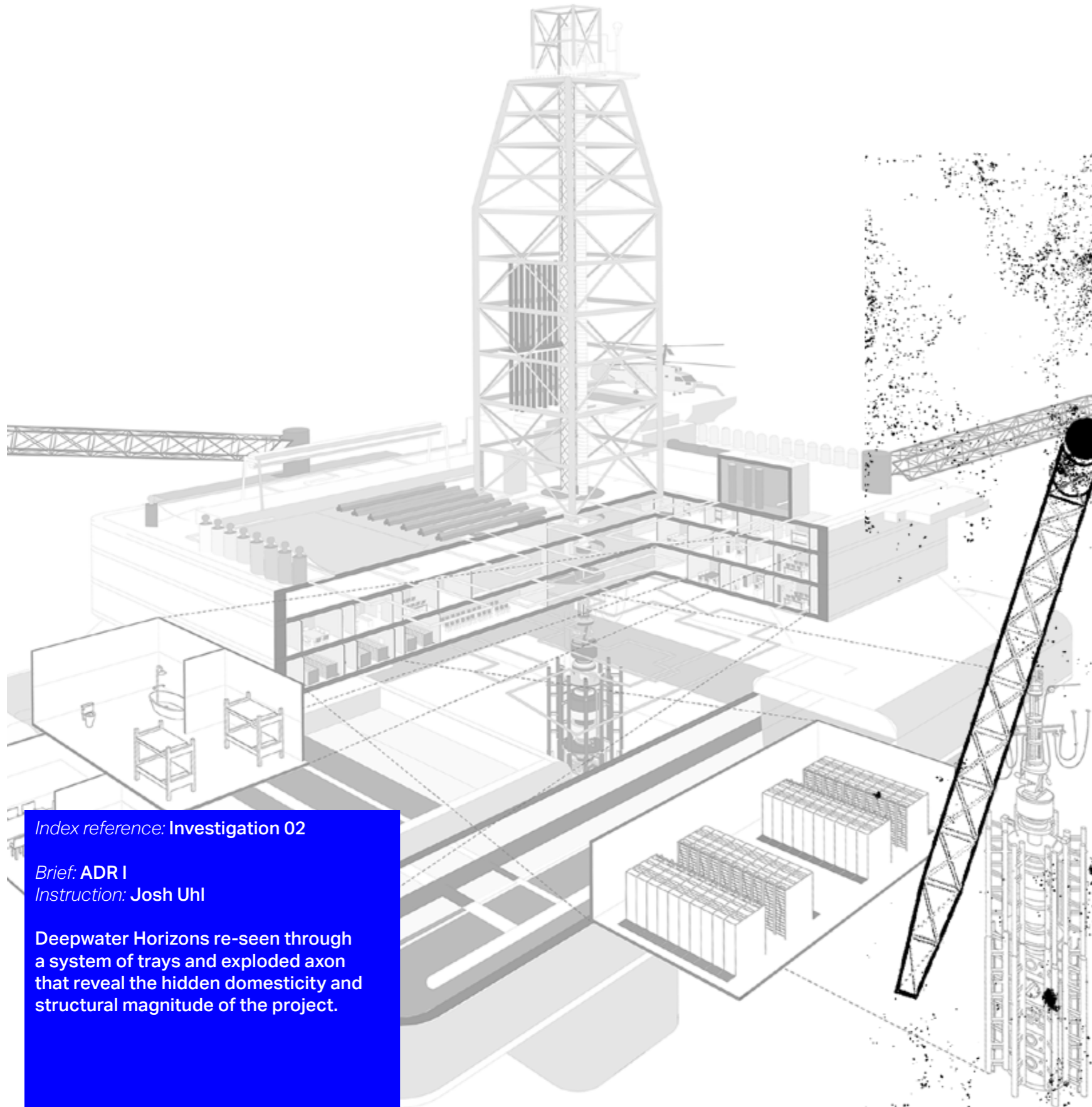
Instruction: Lindy Roy

A diagrammatic projection of the hidden frameworks that consume civic space along 116th st on the campus of Columbia University. Surveillance, digital technologies, policing and control. A interlude to subverting the institutional landscape.

Foundation, enclosure, walls, floor, ceiling, roof, systems, occupancy. The structural scale is a collection of investigations that are gravitationally bounded and maintain an architectural resolution in colloquially understood mechanisms. The following are understood as tectonic, built, speculative, but grounded in a careful consideration of space and materiality coming together to form networks of architectural intricacies.

SCALE: 03

Structural

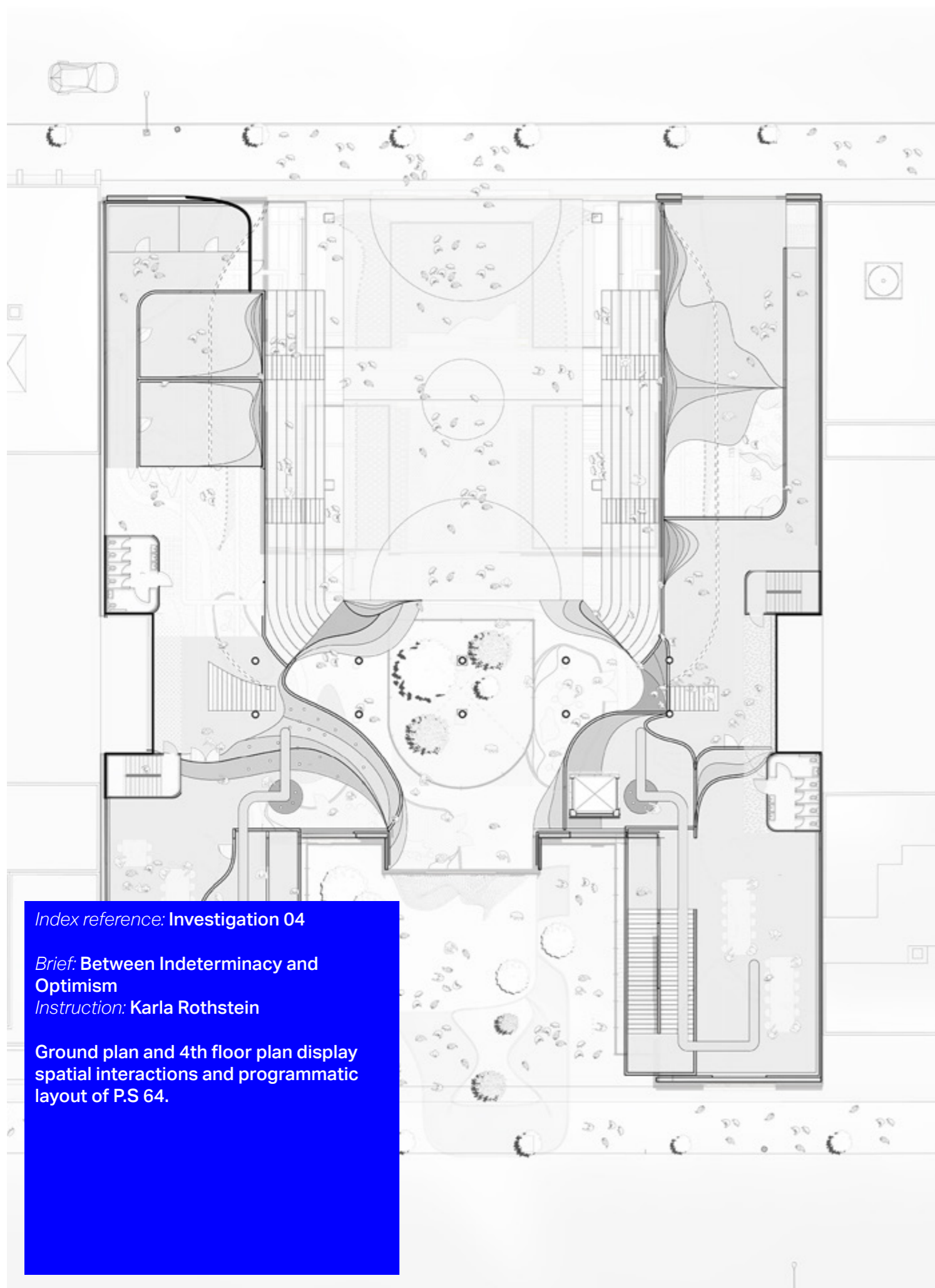


Index reference: Investigation 02

Brief: ADR I

Instruction: Josh Uhl

Deepwater Horizons re-seen through a system of trays and exploded axon that reveal the hidden domesticity and structural magnitude of the project.

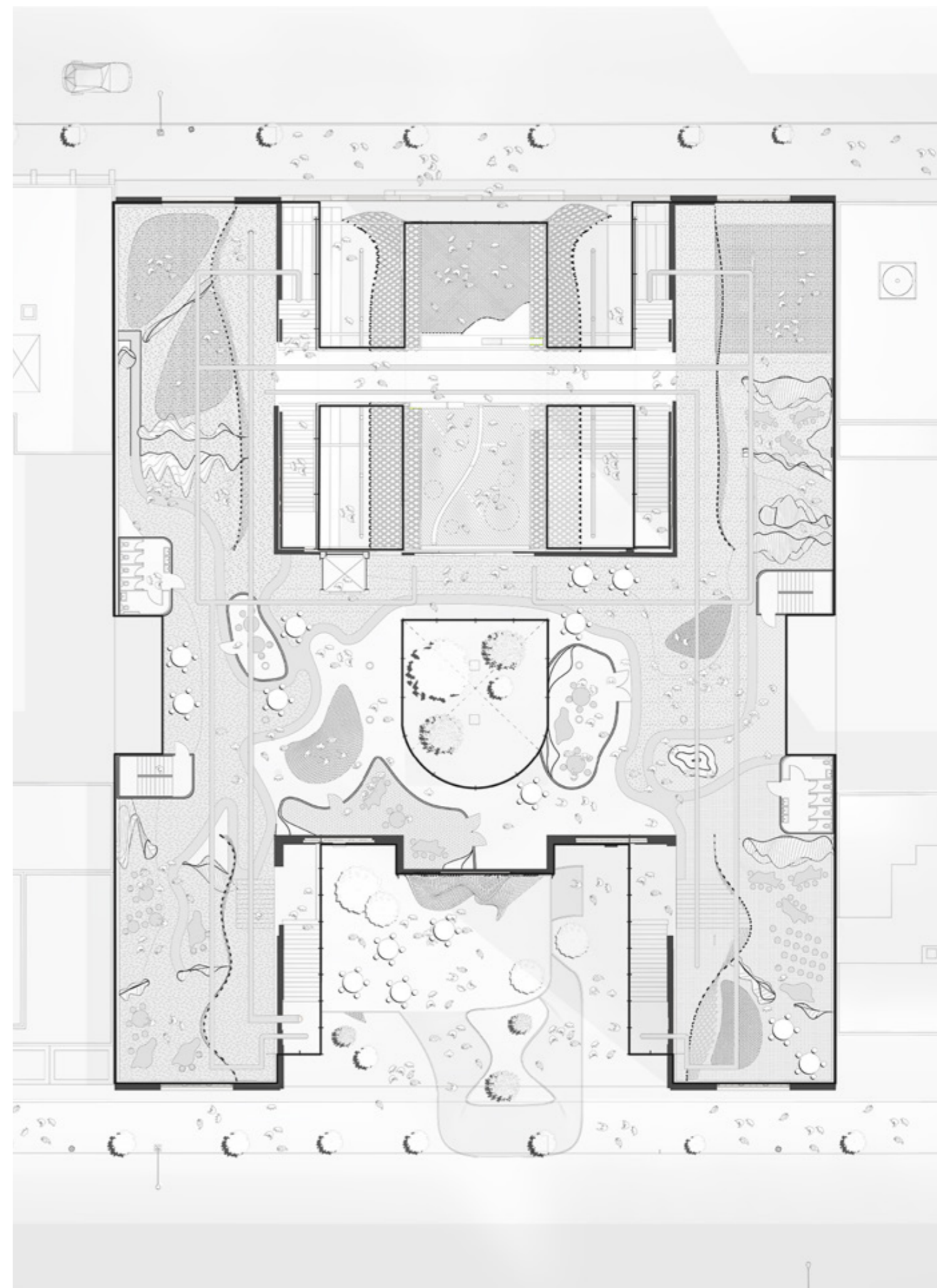


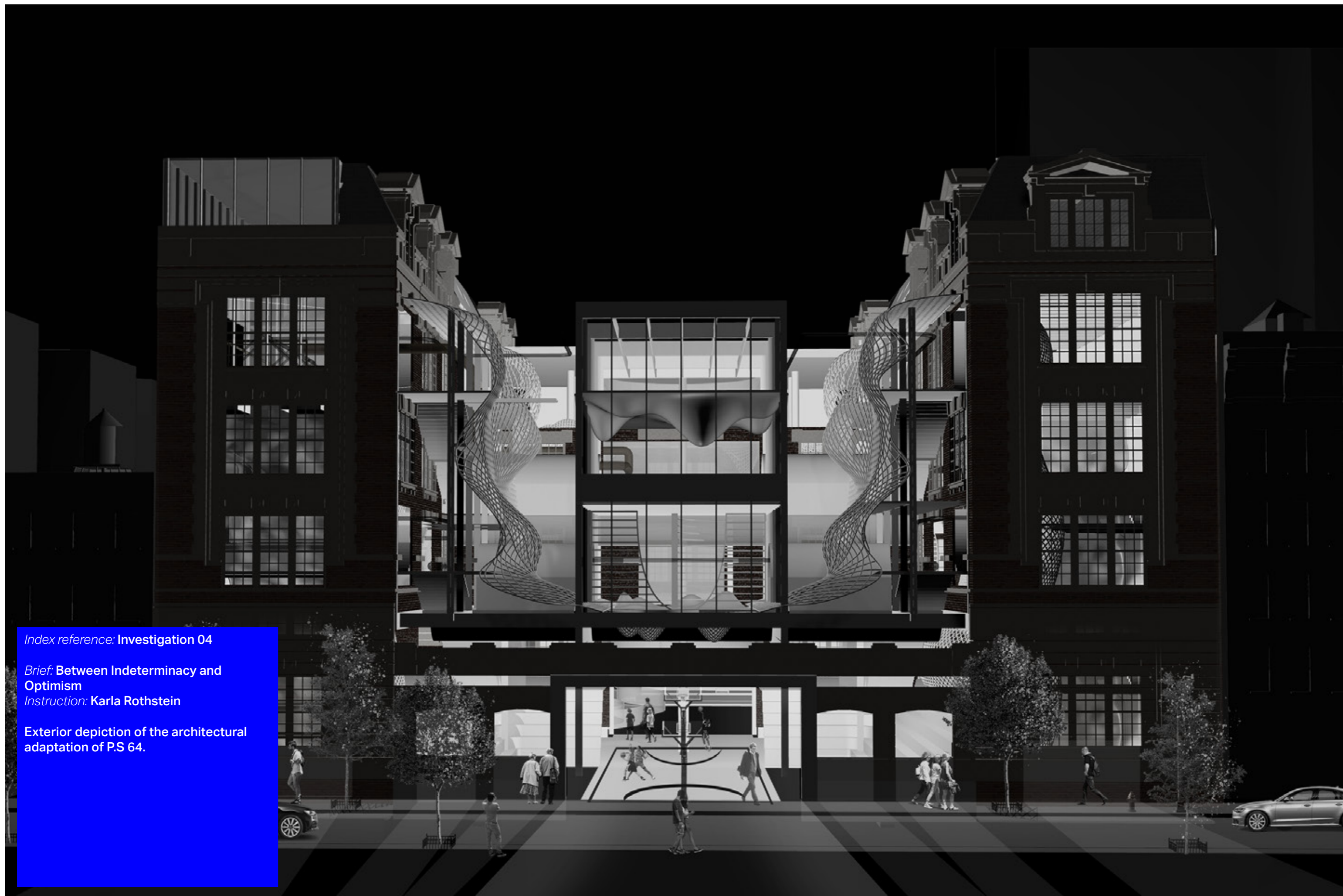
Index reference: Investigation 04

Brief: Between Indeterminacy and Optimism

Instruction: Karla Rothstein

Ground plan and 4th floor plan display spatial interactions and programmatic layout of P.S. 64.



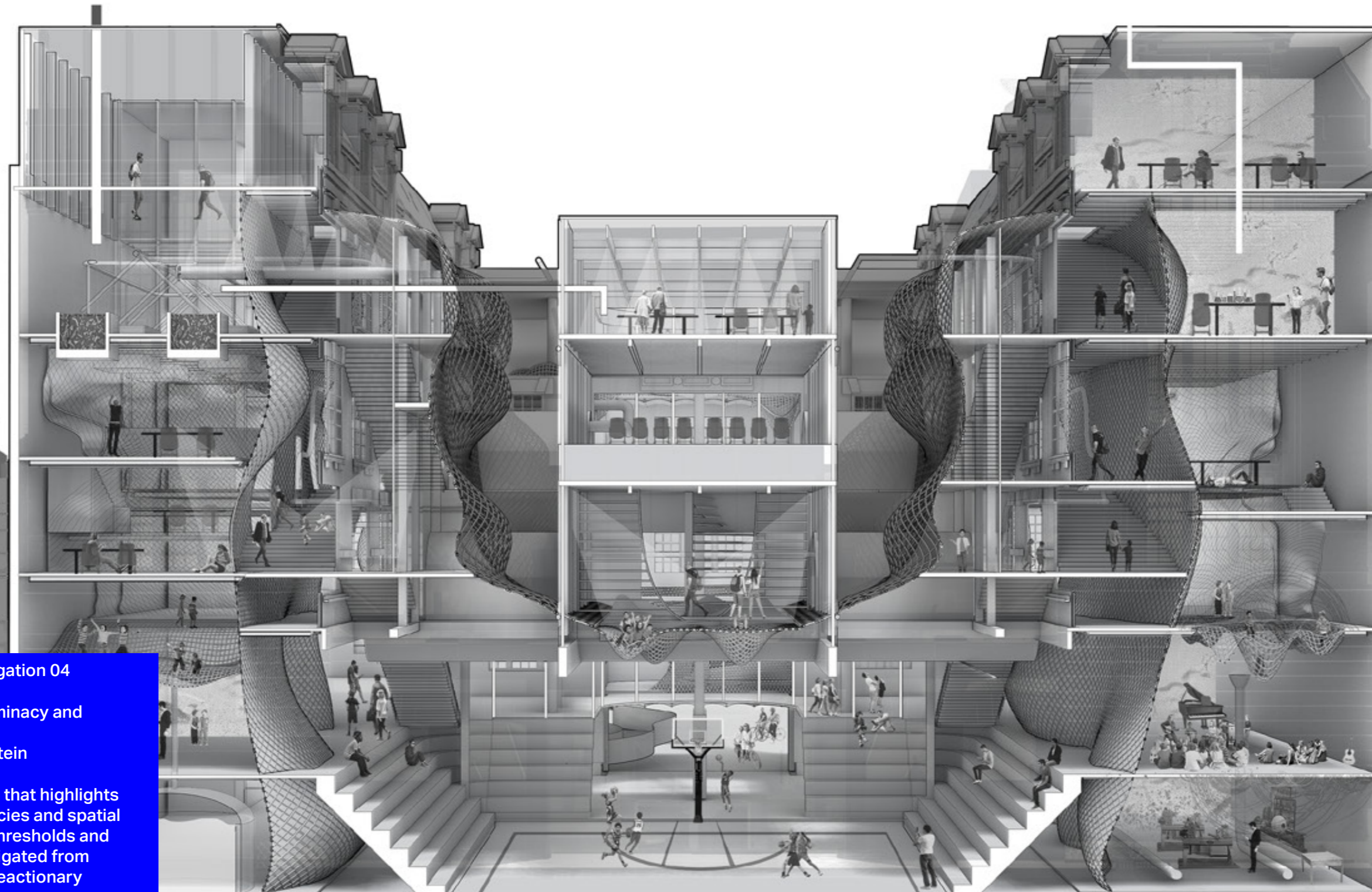


Index reference: Investigation 04

Brief: Between Indeterminacy and Optimism

Instruction: Karla Rothstein

Exterior depiction of the architectural adaptation of P.S 64.

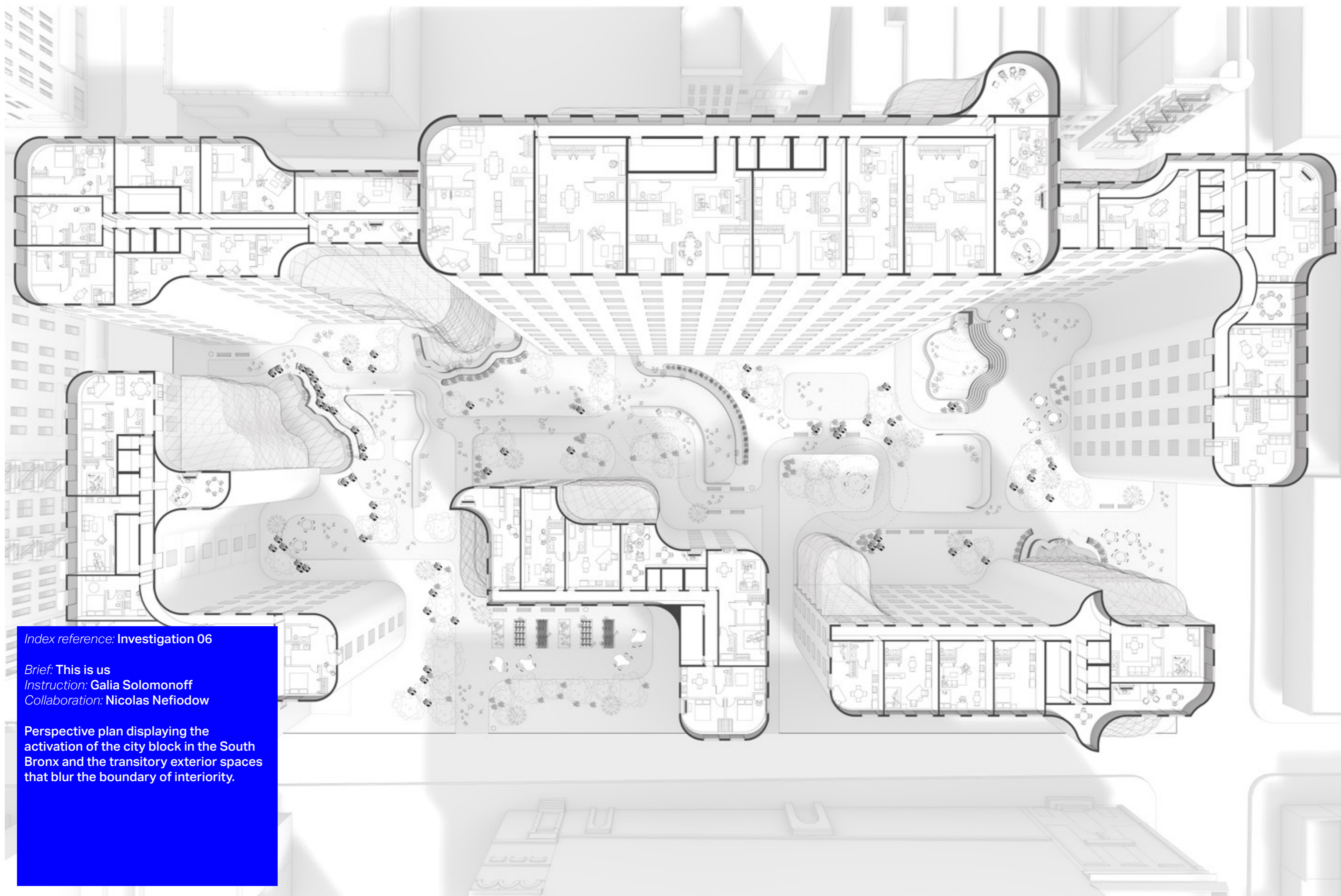


Index reference: Investigation 04

Brief: Between Indeterminacy and Optimism

Instruction: Karla Rothstein

Section of intervention that highlights programmatic adjacencies and spatial connectivity. Warped thresholds and interactive spaces instigated from physical and material reactionary potentials.



Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

Perspective plan displaying the activation of the city block in the South Bronx and the transitory exterior spaces that blur the boundary of interiority.



Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

Site section of the housing proposal in the South Bronx through subterranean infrastructure and the full scope of architectural gesture that frame housing units in adjacencies to public facing amenity hubs, all oriented around an activated city block interior.



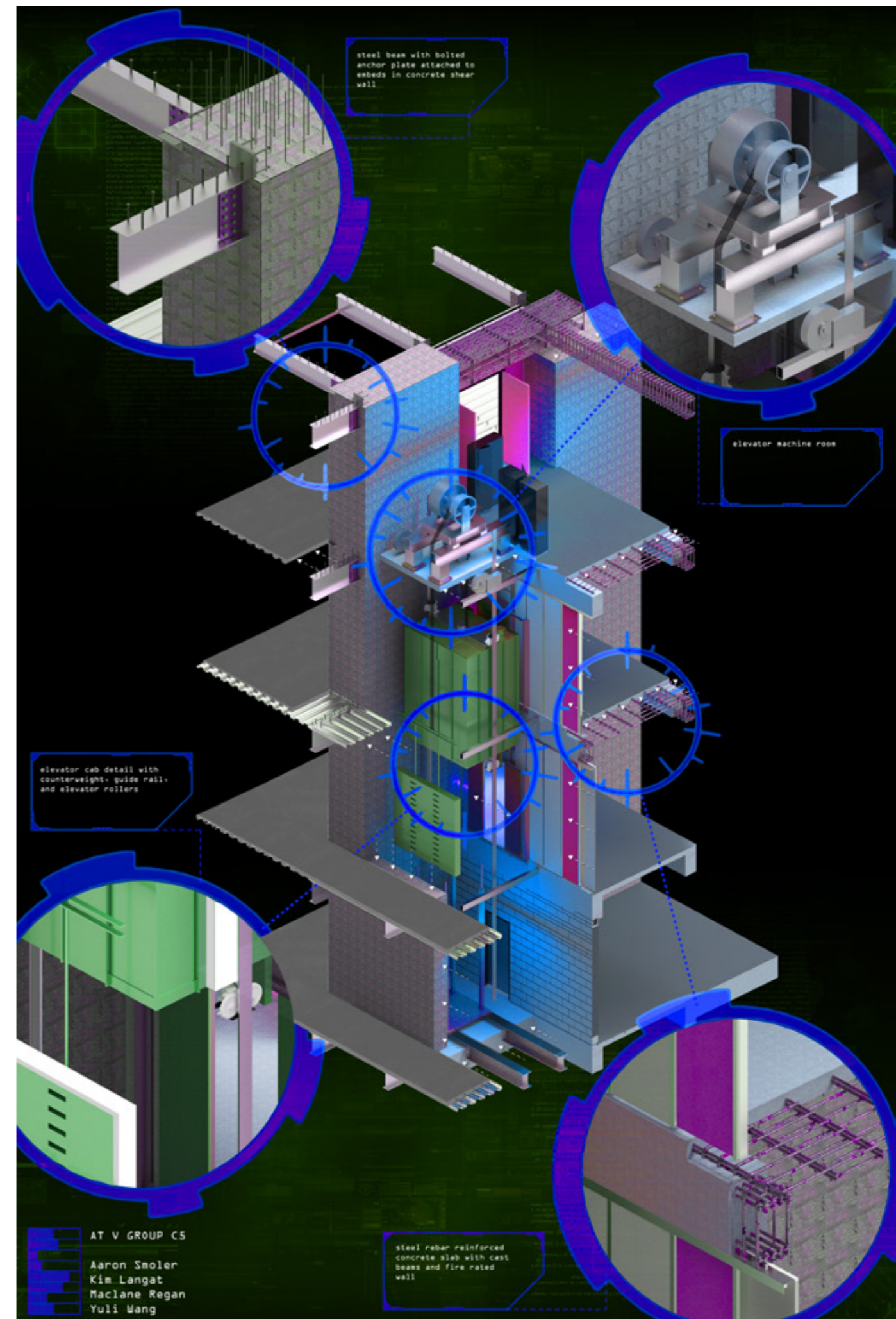
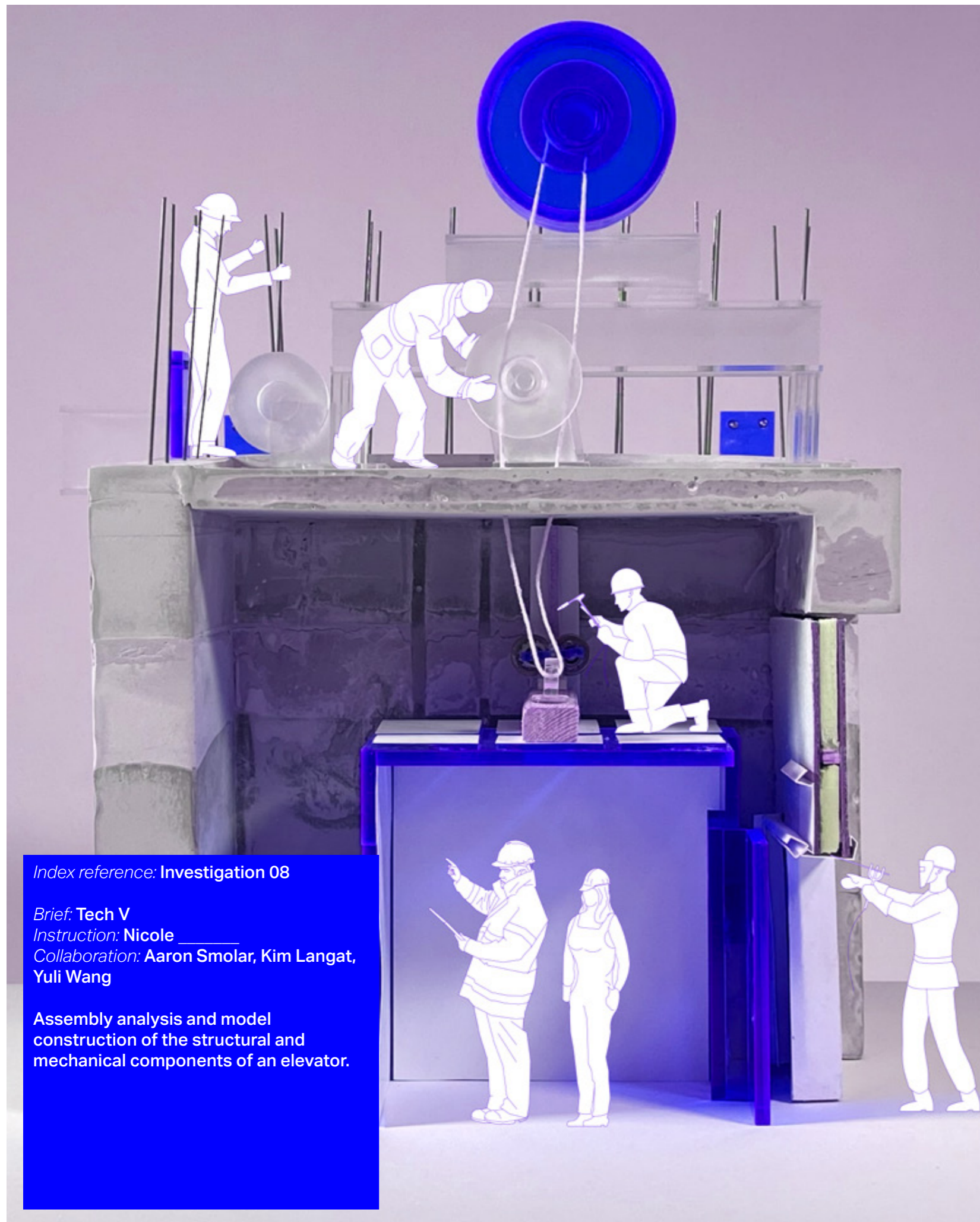


Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

Building section of school adaptive reuse representing light shafts, circulation, and vertical connectivity where floors and ceilings, walls and thresholds are re-imagined and deconstructed.



Ephemeral and activated. The momentary condition situates the structural in a time-stamp. How things change over time, degrade, move, adapt. The following selections are moments in time and space, temporal gestures of activity or intervention that exist with a level of specificity and meaning in the exact moment they are deployed. Often architectural in tactility, the frames that follow are curated segments, woven within the broad narrative of multi-scalar intervention.

SCALE: 04

Momentary



Index reference: Investigation 01

Brief: **Broadway Stories**

Instruction: **Lindy Roy**

Security camera views and subsequent subversion through public display and spatial dislocation.



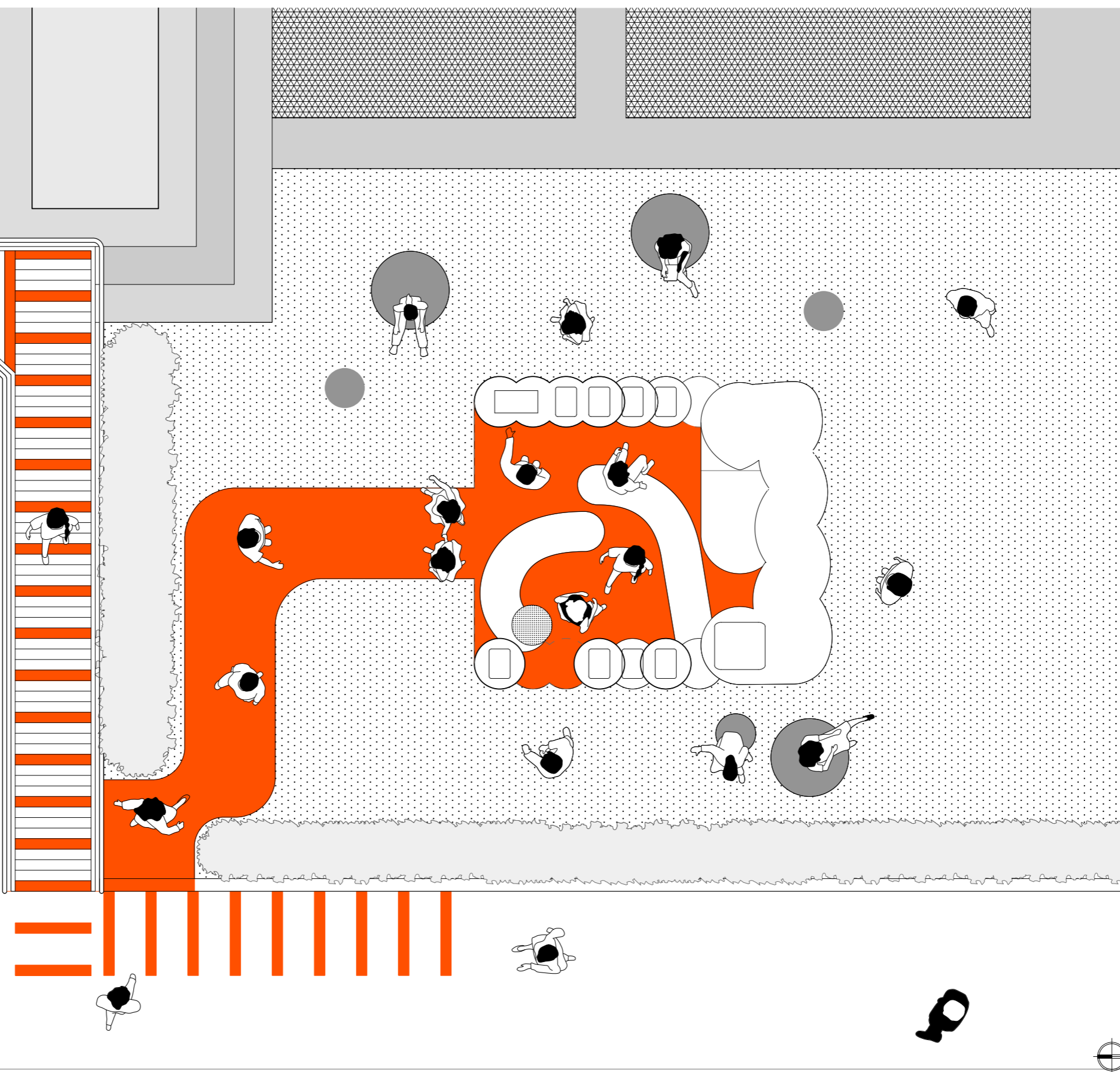
S.A.L.T

04_06_2023

Index reference: Investigation 14

Brief: The Outside In
Instruction: Laurie Hawkinson and Galia Solomonoff
Collaboration: Saba Ardeshiri, Angela Keele, Julie Kim, Carley Pasqualotto, Chi Chi Wakabayashi

Temporary installation in front of Avery Hall. Site plan denotes a moment of activation where users engage with the pavilion.



General Notes

PROJECT DESIGNERS

- Saba Ardeshiri
- Angela Keele
- Julie Kim
- Carley Pasqualotto
- Maclane Regan
- Chi Chi Wakabayashi

No.	Revision/Issue	Date

Firm Name and Address

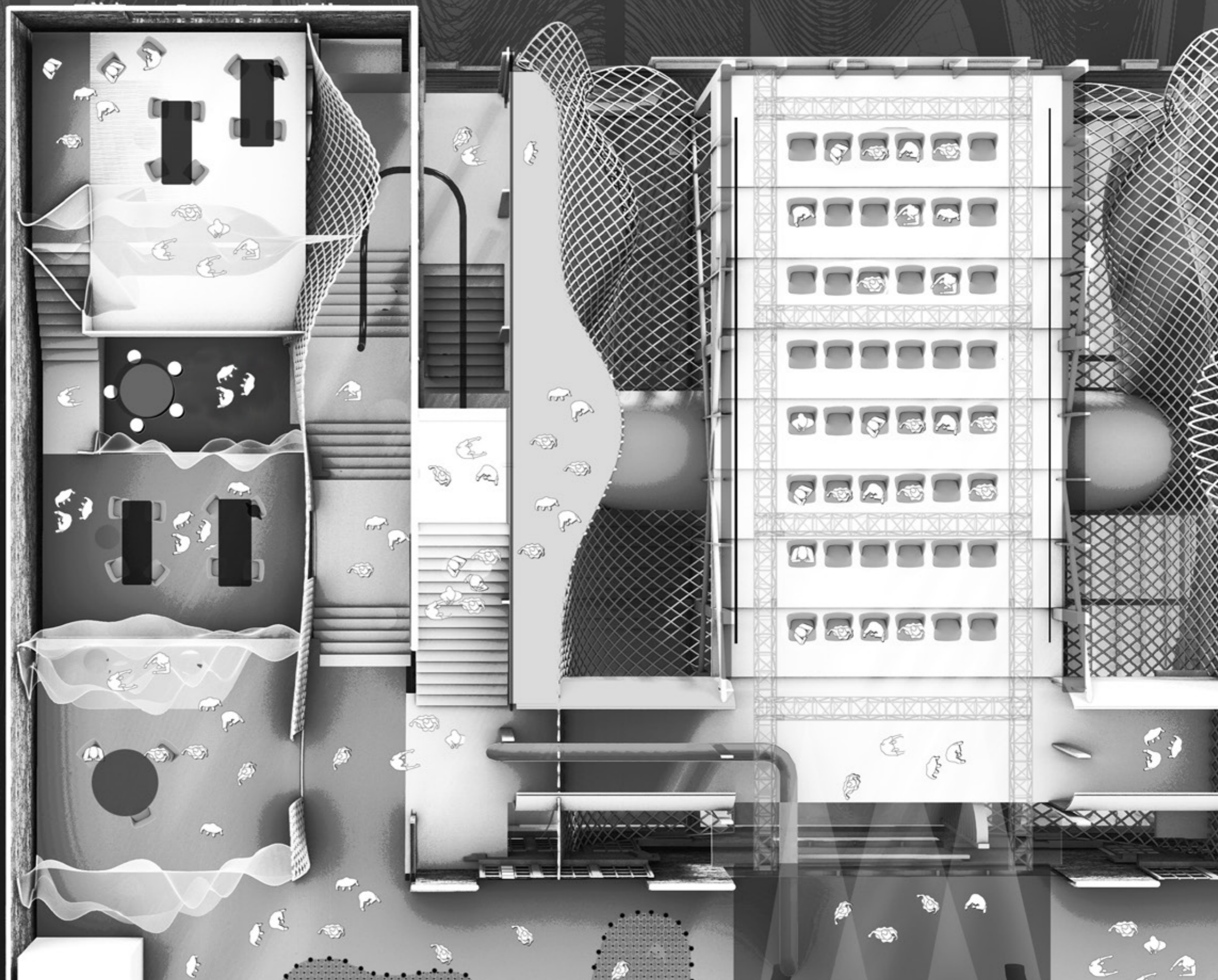
S.A.L.T
 Avery Hall, 6th floor
 New York, NY

Project Name and Address



Project	The HUG	Sheet	A104
Date	04_06_2023	ENTRANCE	PLAN
Scale	1:50		



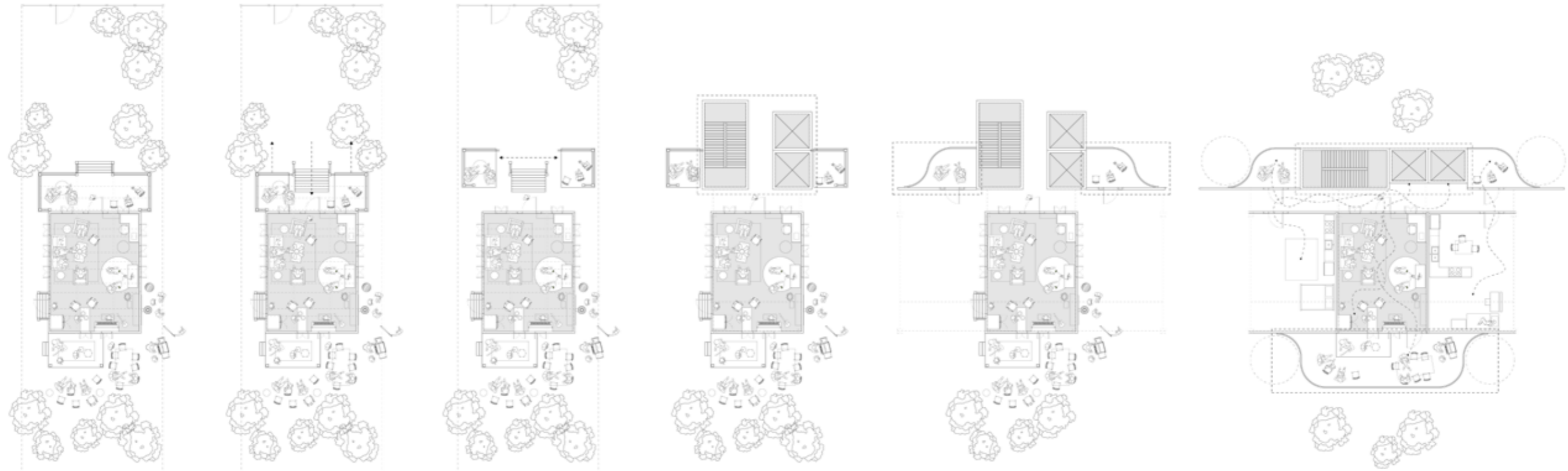


Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

Snapshot of a floor-plan in the instructional level of the school. Moments where wall becomes interface, classroom becomes unbound, and user is immersed in a multi-sensory environment.



Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

Diagrammatic explanation of the expansion of the castia typology into the apartment scheme. Denoting entrance, gathering, exterior, and activation and momentary conditions deployed in a re-imagined scheme.



Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

The music castia. A moment of activation in an amenity hub where residents engage with sound, space, and interact with the public.



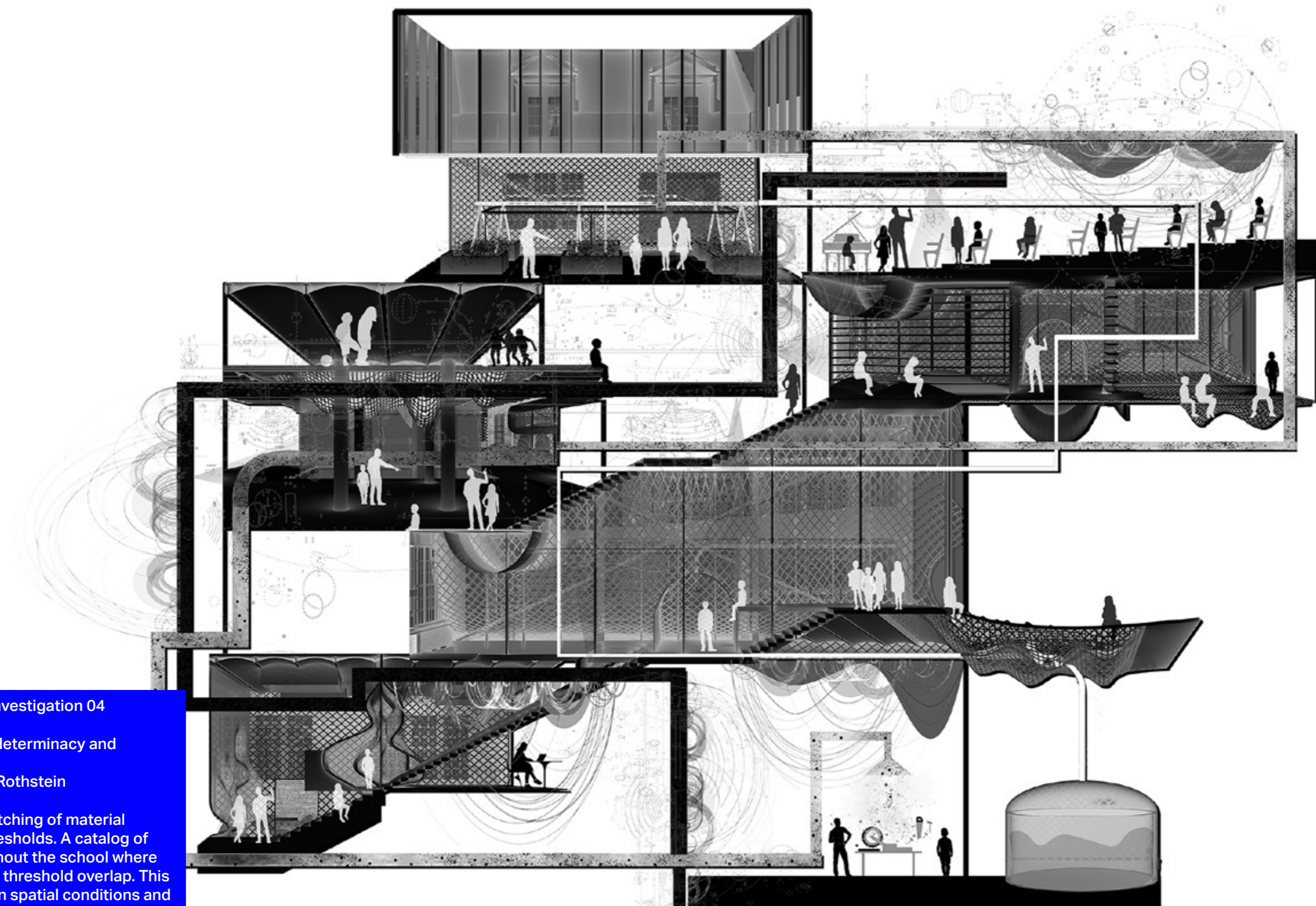
Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

An isolated level of dwelling units in the South Bronx. The interaction of unit to core, unit to corridor, and corridor to casita, all conglomerated to bridge the gap between interior and exterior.

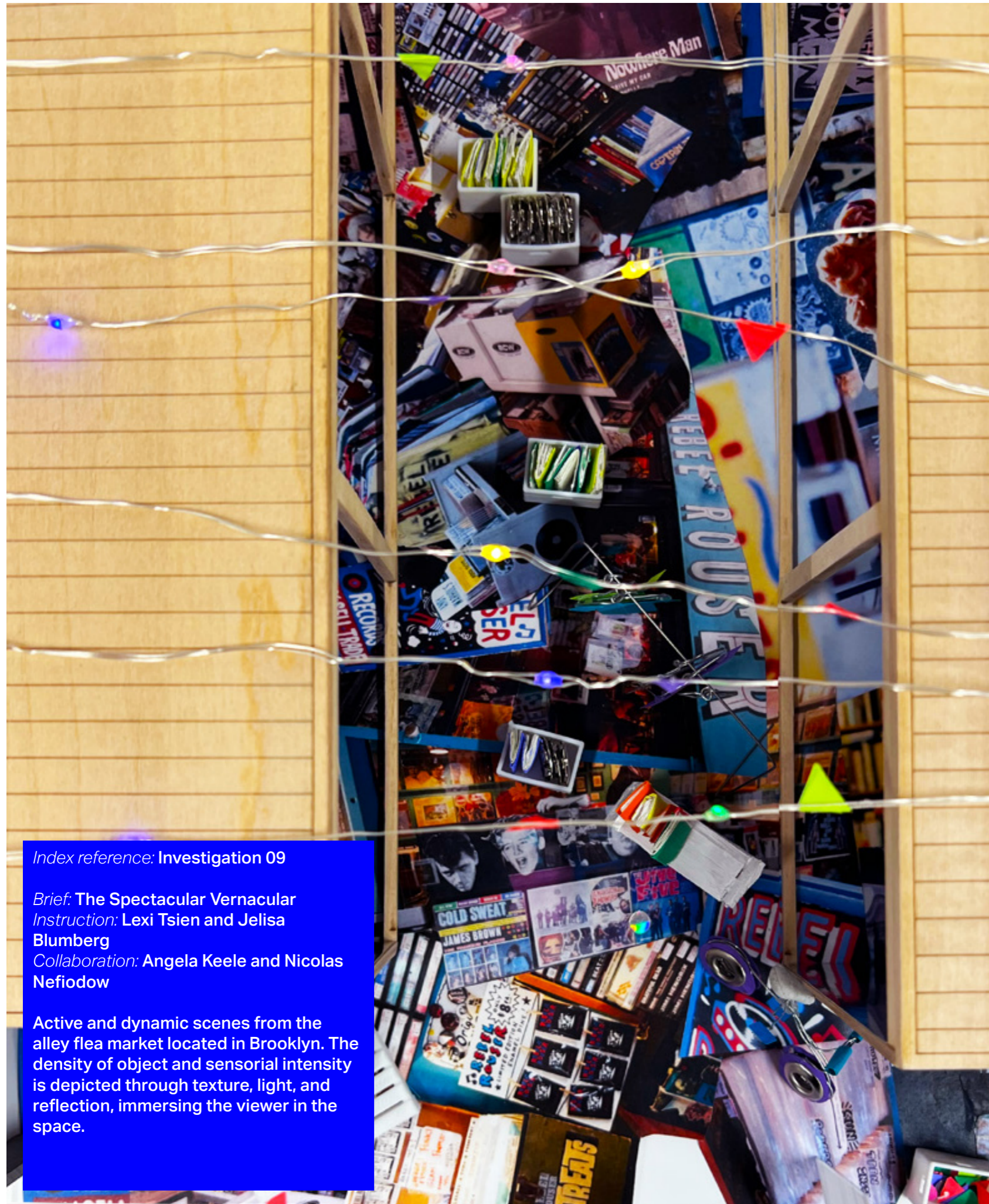


Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

Diagrammatic stitching of material and sensorial thresholds. A catalog of moments throughout the school where user and sensory threshold overlap. This drawing fixates on spatial conditions and designed adjacencies that propagate a learning environment where thresholds are dismantled.



Index reference: Investigation 09

Brief: The Spectacular Vernacular
Instruction: Lexi Tsien and Jelisa Blumberg
Collaboration: Angela Keele and Nicolas Nefiodow

Active and dynamic scenes from the alley flea market located in Brooklyn. The density of object and sensorial intensity is depicted through texture, light, and reflection, immersing the viewer in the space.



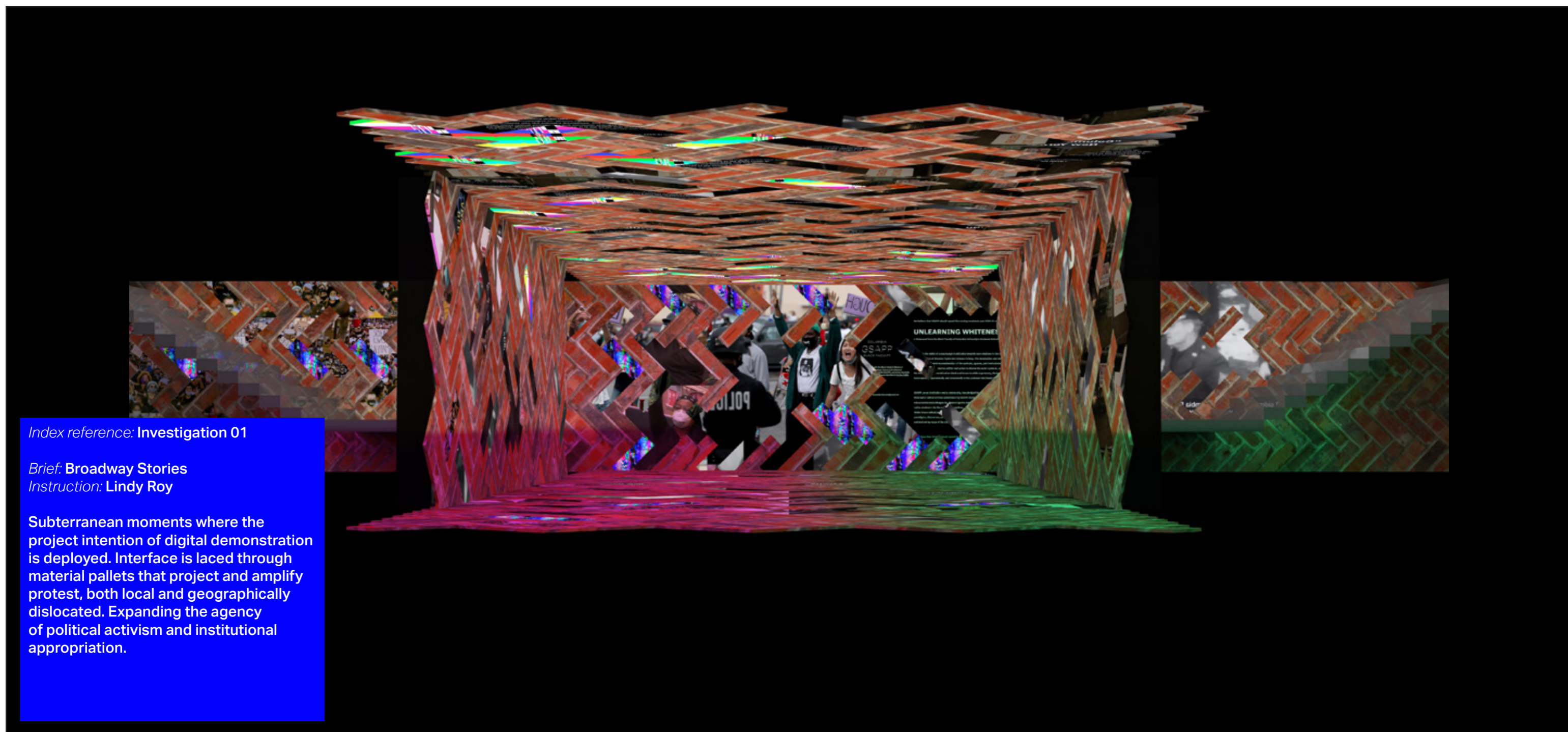
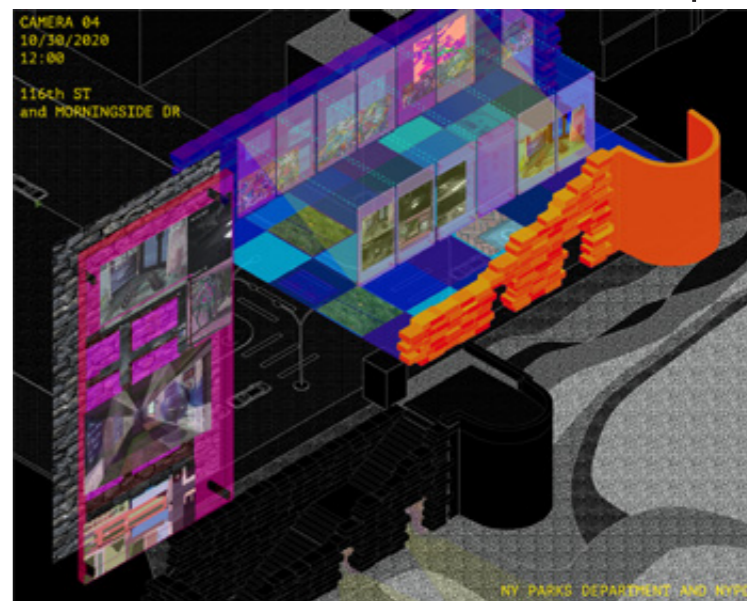
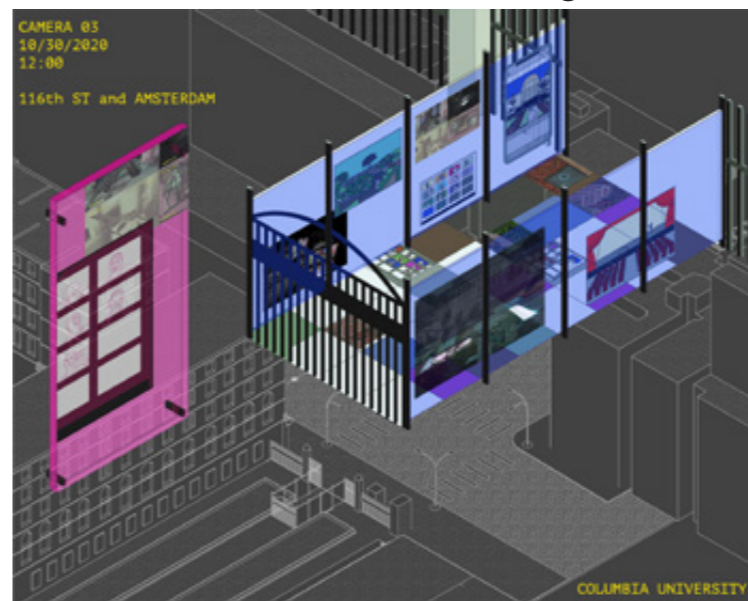
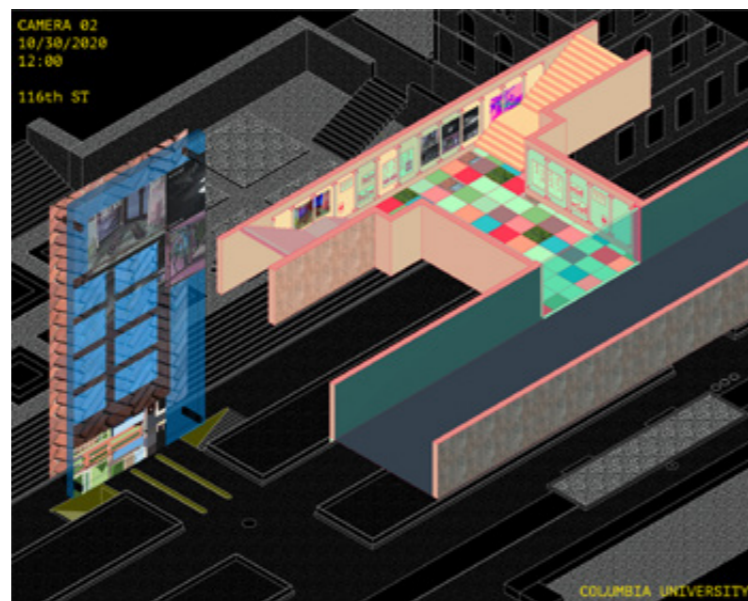
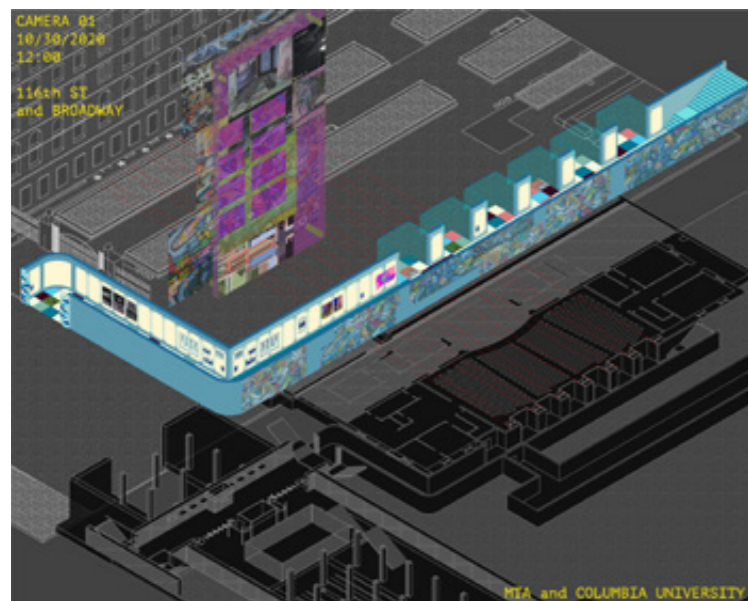


Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

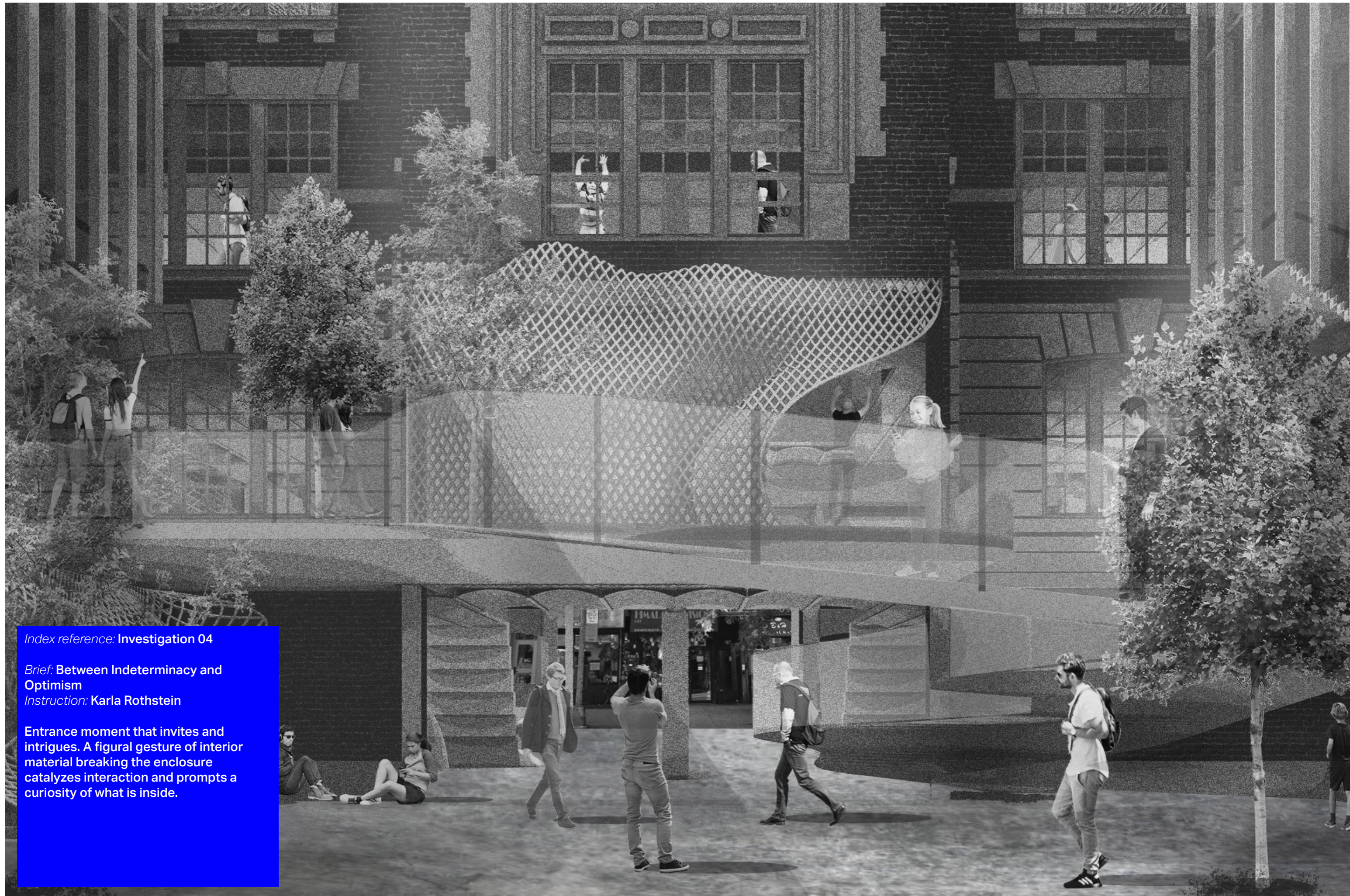
Views from within a transitory library. A place where occupants of the school must traverse and often linger. Ergonomic imprints of body and movement hold space for pause and interaction.



Index reference: Investigation 01

Brief: Broadway Stories
Instruction: Lindy Roy

Subterranean moments where the project intention of digital demonstration is deployed. Interface is laced through material pallets that project and amplify protest, both local and geographically dislocated. Expanding the agency of political activism and institutional appropriation.



Index reference: Investigation 04

Brief: Between Indeterminacy and Optimism

Instruction: Karla Rothstein

Entrance moment that invites and intrigues. A figural gesture of interior material breaking the enclosure catalyzes interaction and prompts a curiosity of what is inside.



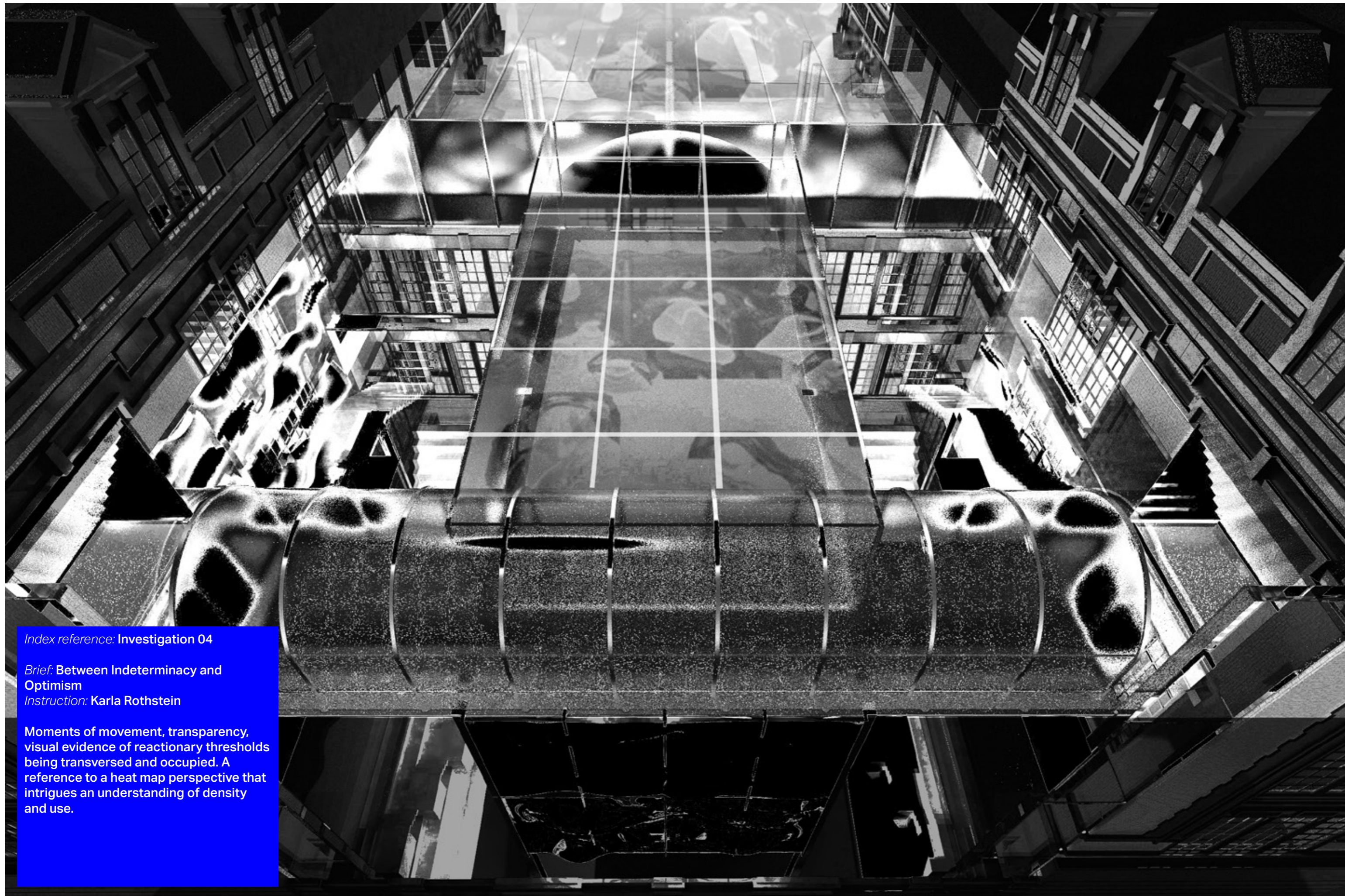
Index reference: Investigation 07

Brief: Landscape of Post Domestic Suburbia

Instruction: Alessandro Orsini

Montage representations characterize the concealed and controversial history of downtown Hudson, depicting appropriation, control, and the forgotten economy and systems of care that revolved around the Hudson red light district. How notions of suburban domesticity overwrote an urban history.





Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

Moments of movement, transparency, visual evidence of reactionary thresholds being transversed and occupied. A reference to a heat map perspective that intrigues an understanding of density and use.



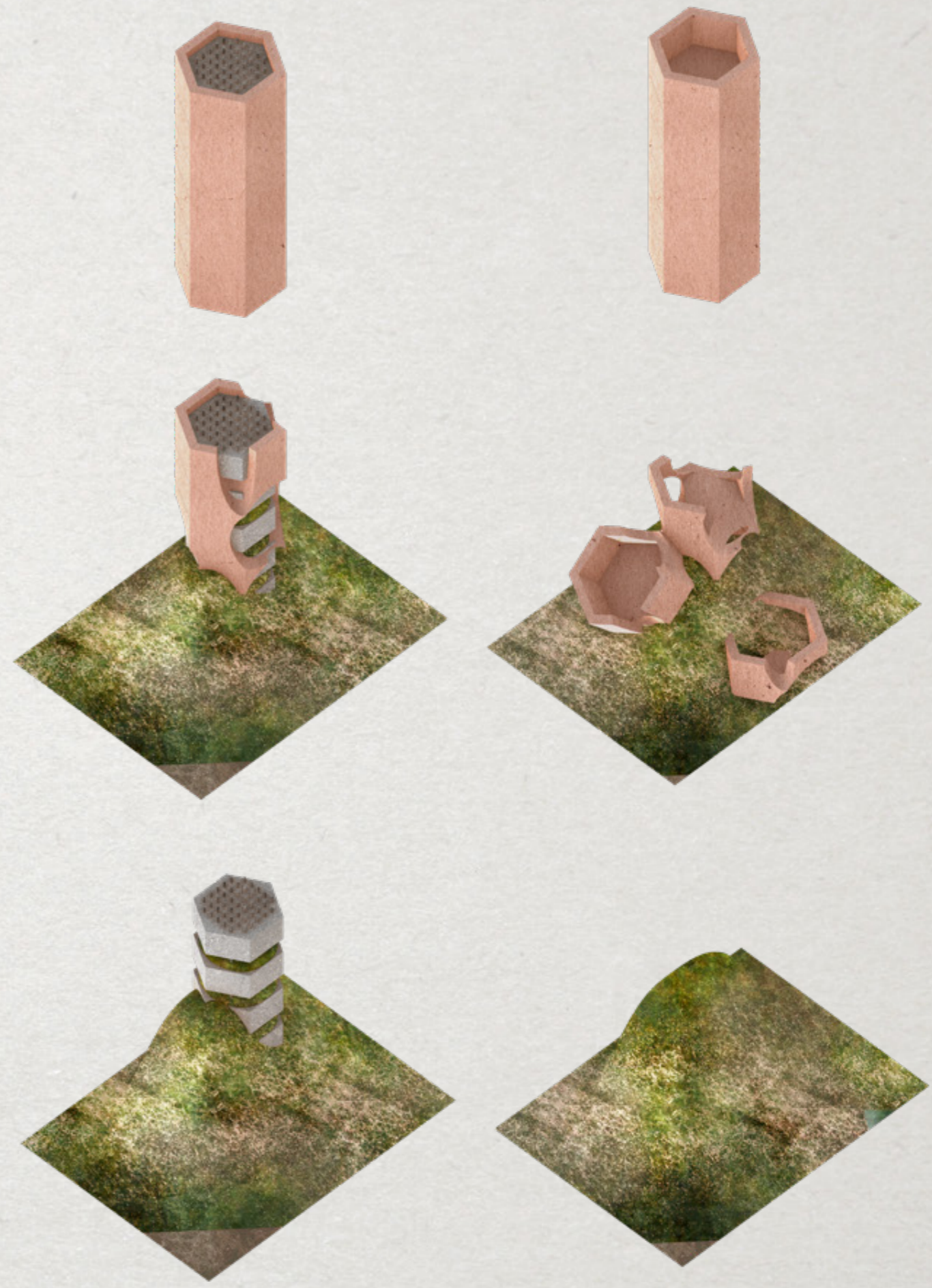
Index reference: Investigation 06

Brief: This is us

Instruction: Galia Solomonoff

Collaboration: Nicolas Nefiodow

A moment in time, occupancy in the re-imagined casita, instigating a collective use. The casita becomes a haven and transitory buffer to the public, where people engage and activate space, recalling history and inspiring a future of collective engagement.



Index reference: Investigation 10
Brief: The Right to the (Dual) City
Instruction: Ziad Jamaledine
Collaboration: Nicolas Nefiodow

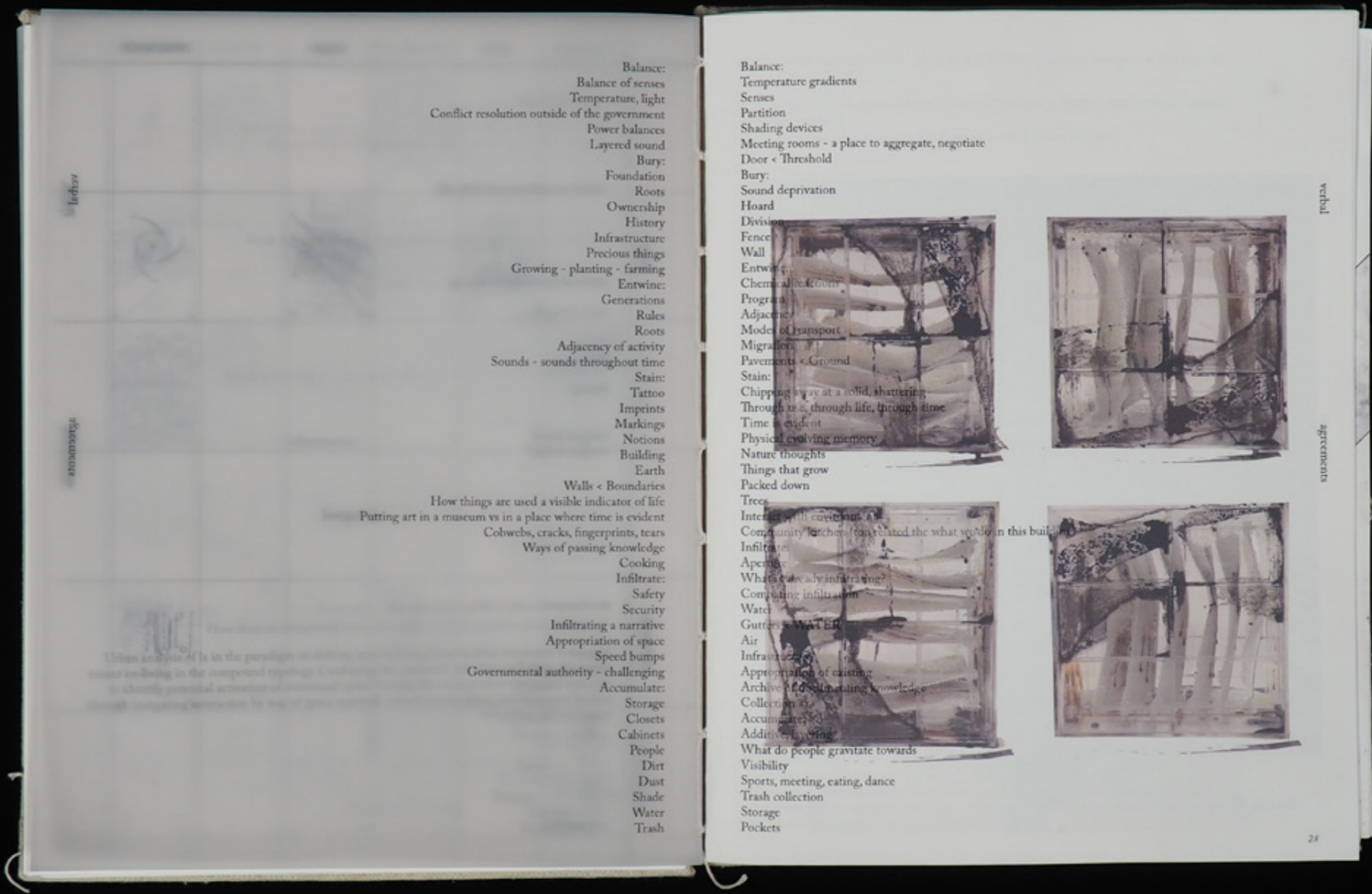
A network of planters, displayed as momentary objects with degrees of function, degradation, and operative potential. Components of a larger, temporal landscape of subversive political methods on the Avenue Habib Bourguiba.



Intricacy in craft, materiality, detail. Investigations that operate at the scale of the object or assembly. The following responses and representations are intricate in mechanism, each tied to a larger narrative across scales. These are experimentations, explorations, and thoughtful probes that establish frameworks and systems to view, question, and expand the body of work.

SCALE: 05

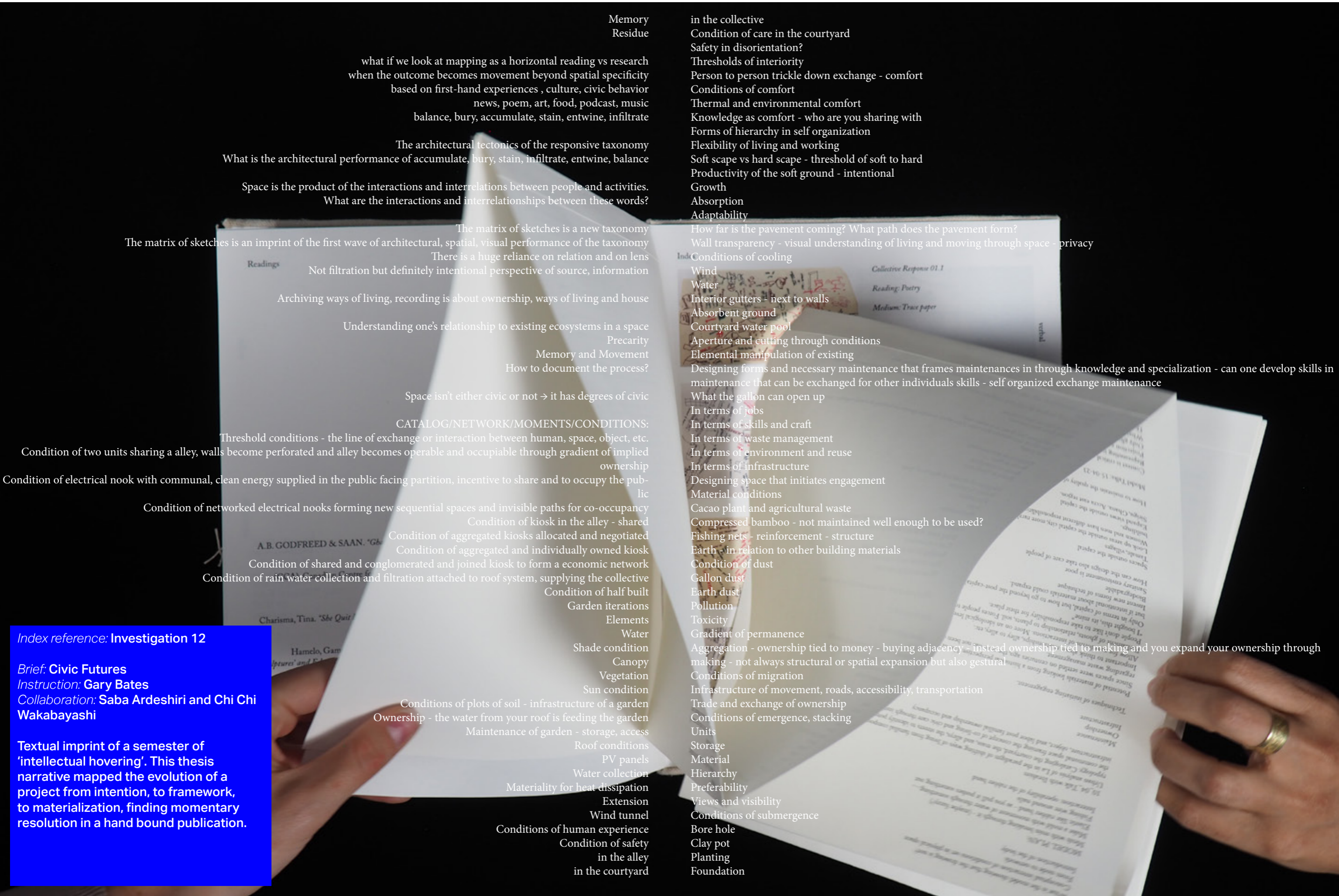
Intricate



Index reference: Investigation 12

Brief: Civic Futures
Instruction: Gary Bates
Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

52 pages of text, transparency, sketch, reading, and response. Hand-stitched and hardcover-bound. No rights reserved. Any part of this publication may be reproduced, distributed, or transmitted in any form, including photocopying, recording, or other methods, without prior written permission of the publisher.



Index reference: Investigation 12

Brief: Civic Futures
Instruction: Gary Bates
Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

Textual imprint of a semester of 'intellectual hovering'. This thesis narrative mapped the evolution of a project from intention, to framework, to materialization, finding momentary resolution in a hand bound publication.

Memory
Residue

what if we look at mapping as a horizontal reading vs research when the outcome becomes movement beyond spatial specificity based on first-hand experiences , culture, civic behavior news, poem, art, food, podcast, music balance, bury, accumulate, stain, entwine, infiltrate

The architectural tectonics of the responsive taxonomy
What is the architectural performance of accumulate, bury, stain, infiltrate, entwine, balance

Space is the product of the interactions and interrelations between people and activities.
What are the interactions and interrelationships between these words?

The matrix of sketches is an imprint of the first wave of architectural, spatial, visual performance of the taxonomy
There is a huge reliance on relation and on lens

Not filtration but definitely intentional perspective of source, information

Archiving ways of living, recording is about ownership, ways of living and house

Understanding one's relationship to existing ecosystems in a space

Precarity
Memory and Movement
How to document the process?

Space isn't either civic or not → it has degrees of civic

CATALOG/NETWORK/MOMENTS/CONDITIONS:

Threshold conditions - the line of exchange or interaction between human, space, object, etc.

Condition of two units sharing a alley, walls become perforated and alley becomes operable and occupiable through gradient of implied ownership

Condition of electrical nook with communal, clean energy supplied in the public facing partition, incentive to share and to occupy the public

Condition of networked electrical nooks forming new sequential spaces and invisible paths for co-occupancy

Condition of kiosk in the alley - shared

Condition of aggregated kiosks allocated and negotiated

Condition of aggregated and individually owned kiosk

Condition of shared and conglomerated and joined kiosk to form a economic network

Condition of rain water collection and filtration attached to roof system, supplying the collective

Condition of half built

Garden iterations

Elements

Water

Shade condition

Canopy

Vegetation

Sun condition

Conditions of plots of soil - infrastructure of a garden

Ownership - the water from your roof is feeding the garden

Maintenance of garden - storage, access

Roof conditions

PV panels

Water collection

Materiality for heat dissipation

Extension

Wind tunnel

Conditions of human experience

Condition of safety

in the alley

in the courtyard

in the collective

Condition of care in the courtyard

Safety in disorientation?

Thresholds of interiority

Person to person trickle down exchange - comfort

Conditions of comfort

Thermal and environmental comfort

Knowledge as comfort - who are you sharing with

Forms of hierarchy in self organization

Flexibility of living and working

Soft scape vs hard scape - threshold of soft to hard

Productivity of the soft ground - intentional

Growth

Absorption

Adaptability

How far is the pavement coming? What path does the pavement form?

Wall transparency - visual understanding of living and moving through space - privacy

Conditions of cooling

Wind

Water

Interior gutters - next to walls

Absorbent ground

Courtyard water pool

Aperture and cutting through conditions

Elemental manipulation of existing

Designing forms and necessary maintenance that frames maintenances in through knowledge and specialization - can one develop skills in maintenance that can be exchanged for other individuals skills - self organized exchange maintenance

What the gallon can open up

In terms of jobs

In terms of skills and craft

In terms of waste management

In terms of environment and reuse

In terms of infrastructure

Designing space that initiates engagement

Material conditions

Cacao plant and agricultural waste

Compressed bamboo - not maintained well enough to be used?

Fishing nets - reinforcement - structure

Earth - in relation to other building materials

Condition of dust

Gallon dust

Earth dust

Pollution

Toxicity

Gradient of permanence

Aggregation - ownership tied to money - buying adjacency - instead ownership tied to making and you expand your ownership through

making - not always structural or spatial expansion but also gestural

Conditions of migration

Infrastructure of movement, roads, accessibility, transportation

Trade and exchange of ownership

Conditions of emergence, stacking

Units

Storage

Material

Hierarchy

Preferability

Views and visibility

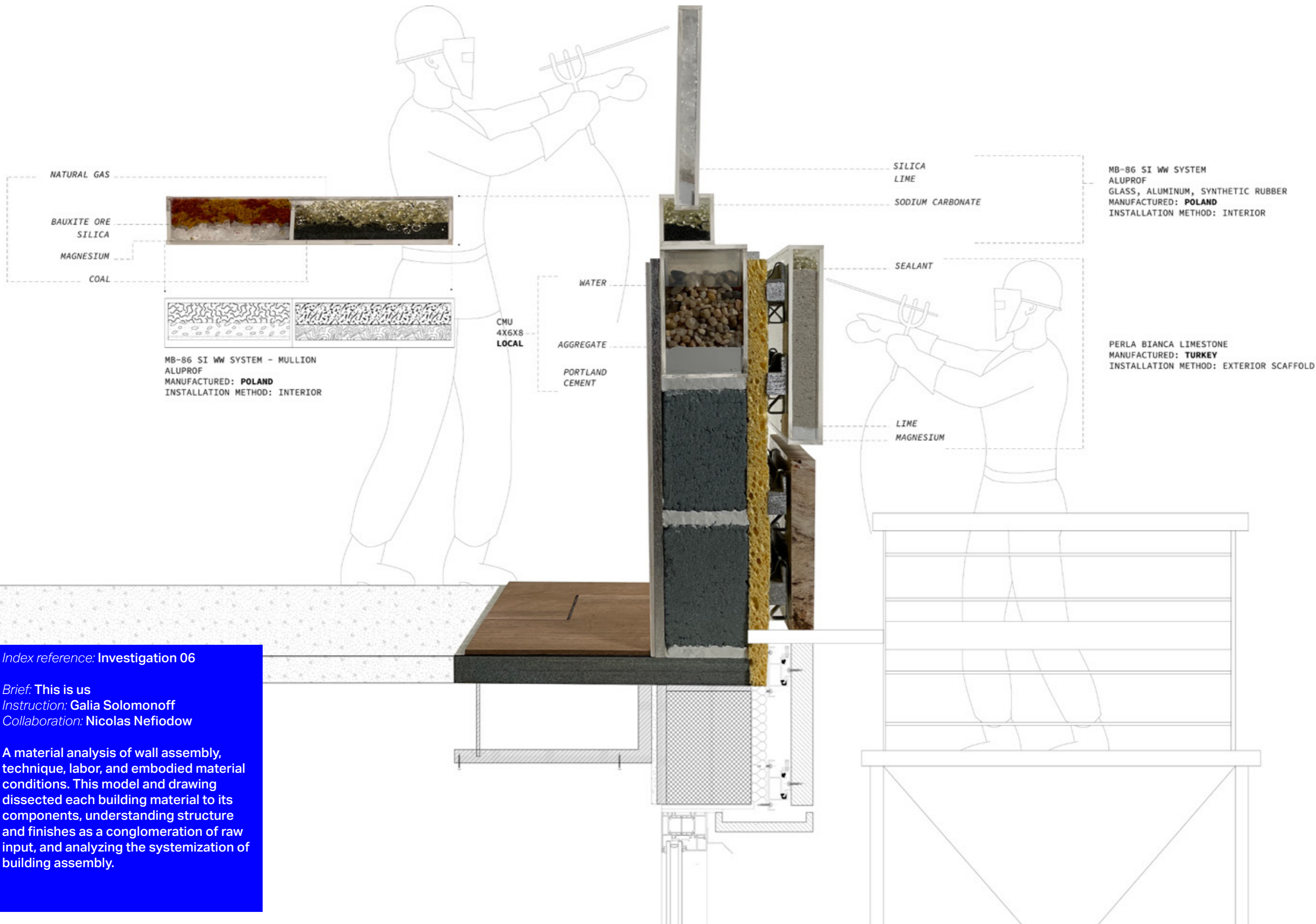
Conditions of submergence

Bore hole

Clay pot

Planting

Foundation



Index reference: Investigation 06

Brief: This is us
Instruction: Galia Solomonoff
Collaboration: Nicolas Nefiodow

A material analysis of wall assembly, technique, labor, and embodied material conditions. This model and drawing dissected each building material to its components, understanding structure and finishes as a conglomeration of raw input, and analyzing the systemization of building assembly.



Index reference: Investigation 11

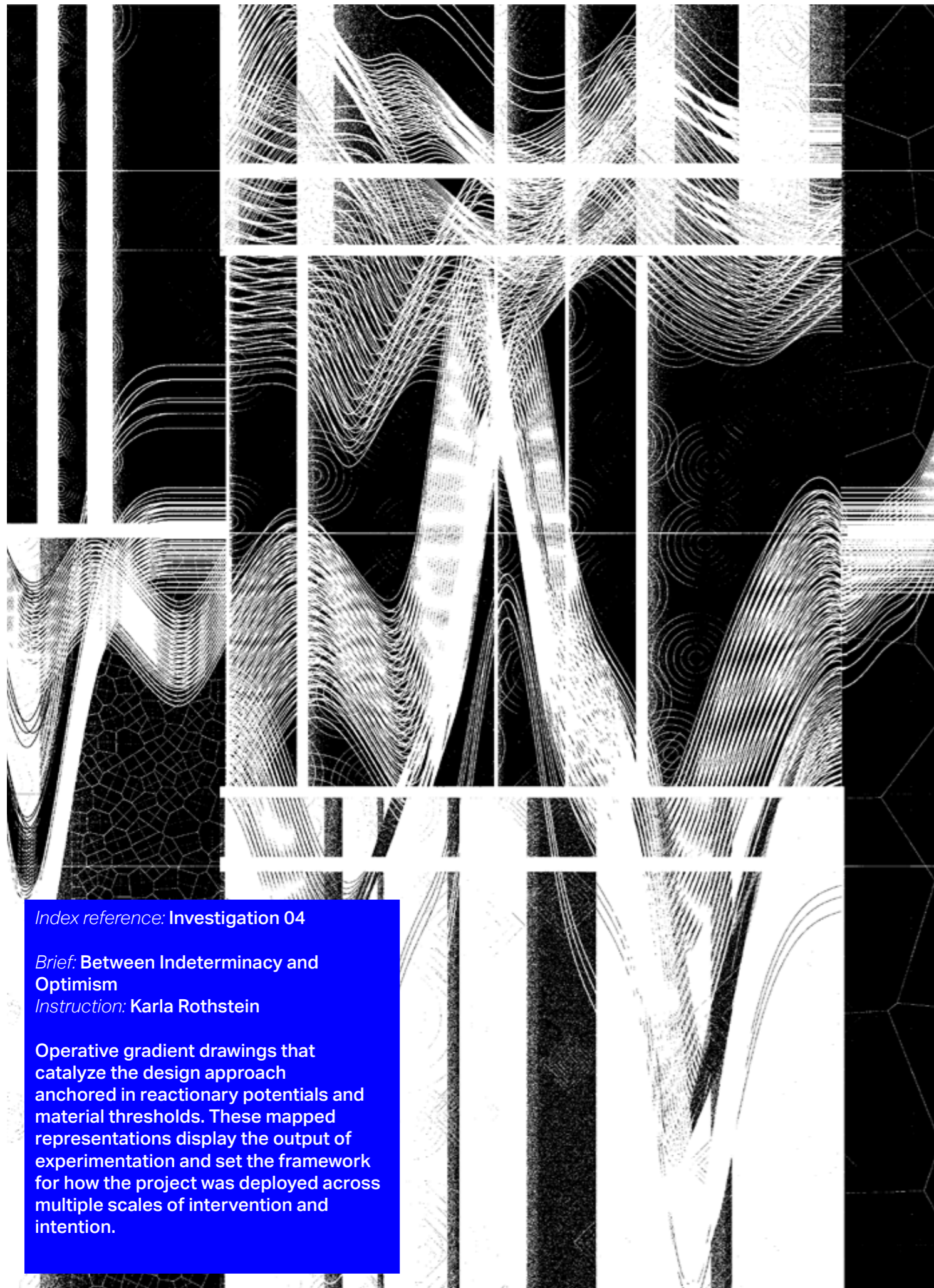
Brief: 1:1 Detailing

Instruction: Zachary Multitauopele

Collaboration: Saba Ardeshiri

Final product of an up-cycle oriented fabrication where waste, found objects, food, and foliage were congealed and solidified to form operable masses. This construction was rooted in material experimentation and outputted a chair/bench hybrid meant for both the individual and the collective.



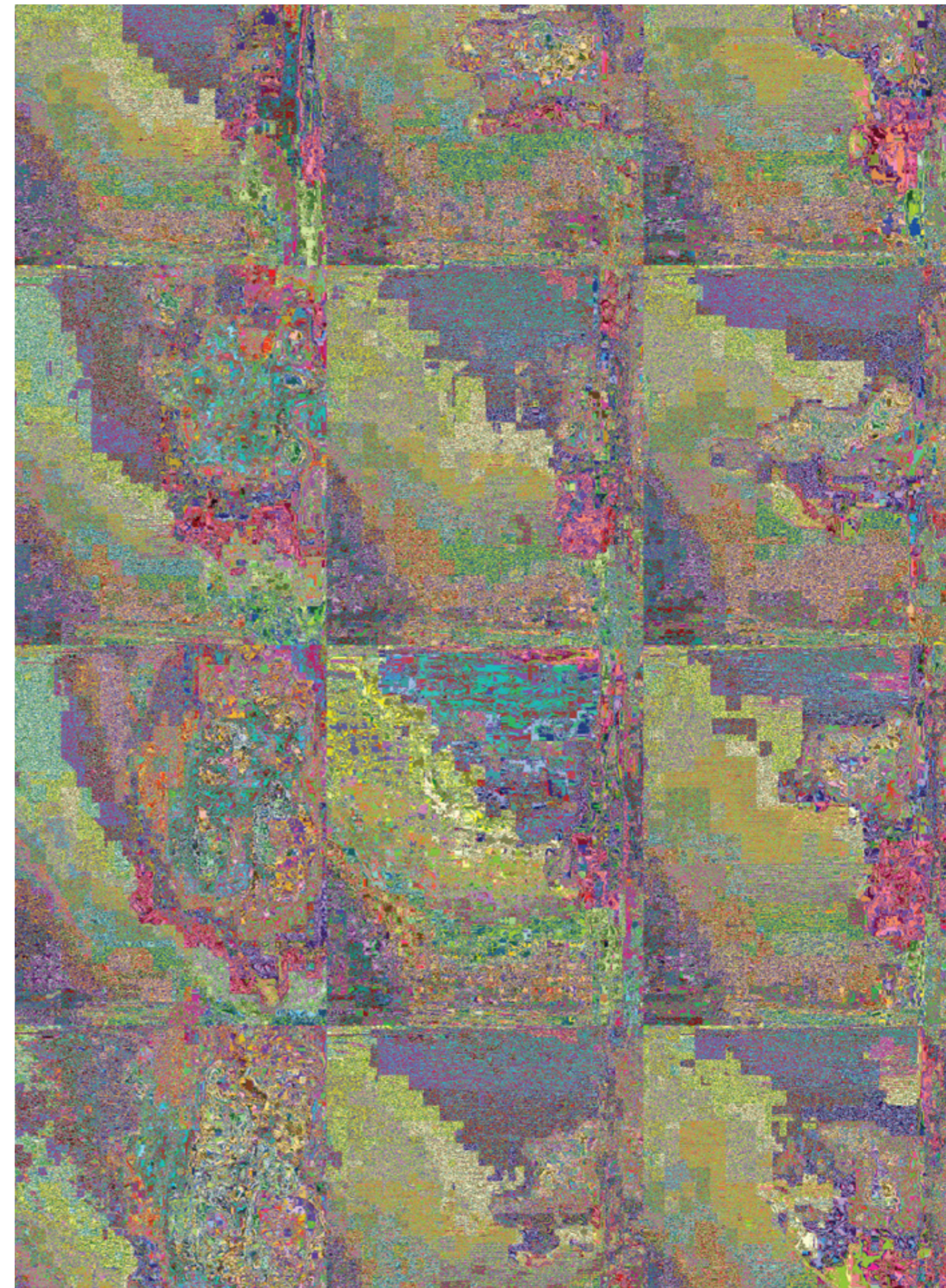


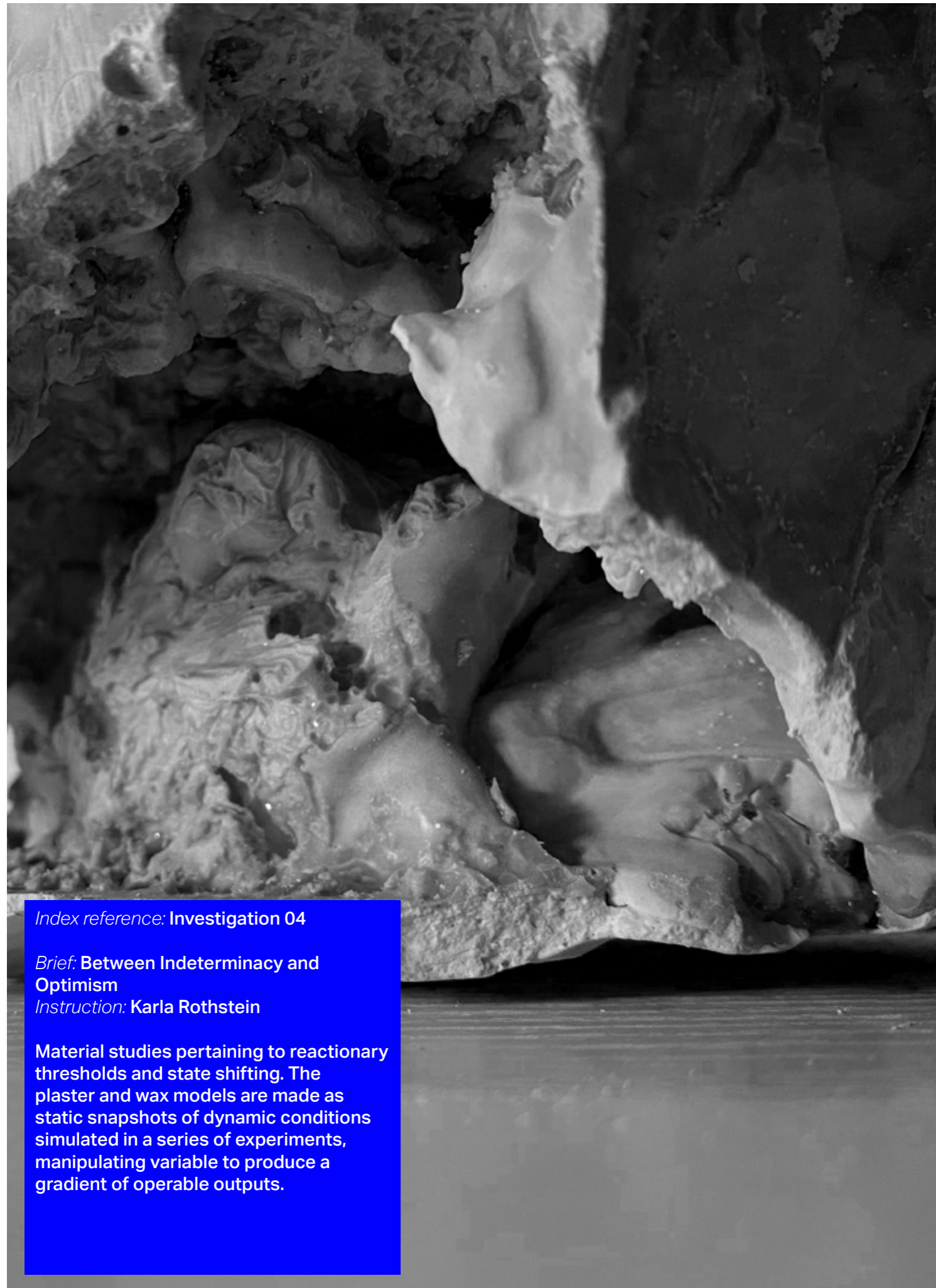
Index reference: Investigation 04

Brief: **Between Indeterminacy and Optimism**

Instruction: Karla Rothstein

Operative gradient drawings that catalyze the design approach anchored in reactionary potentials and material thresholds. These mapped representations display the output of experimentation and set the framework for how the project was deployed across multiple scales of intervention and intention.







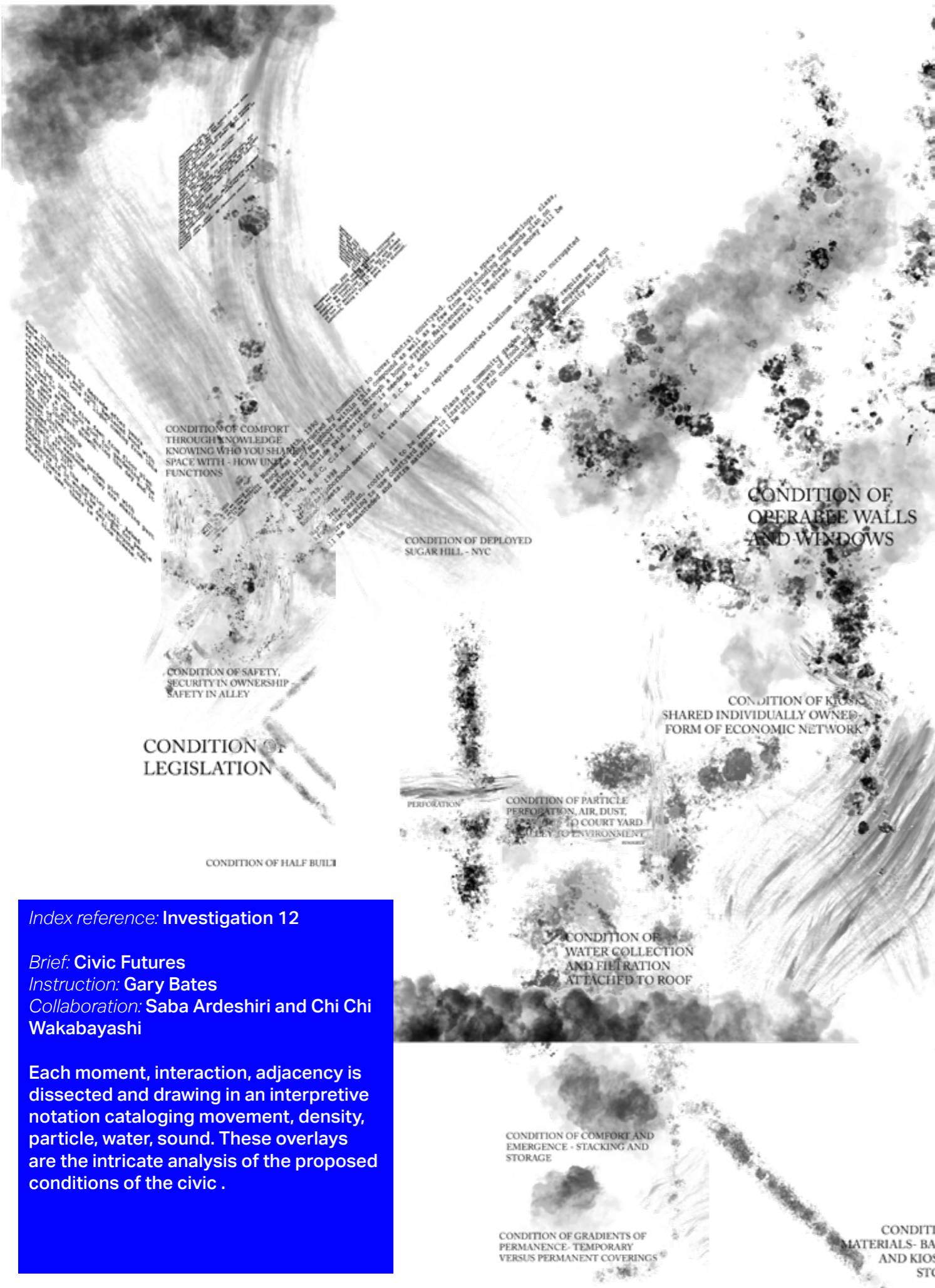
Index reference: Investigation 12

Brief: Civic Futures

Instruction: Gary Bates

Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

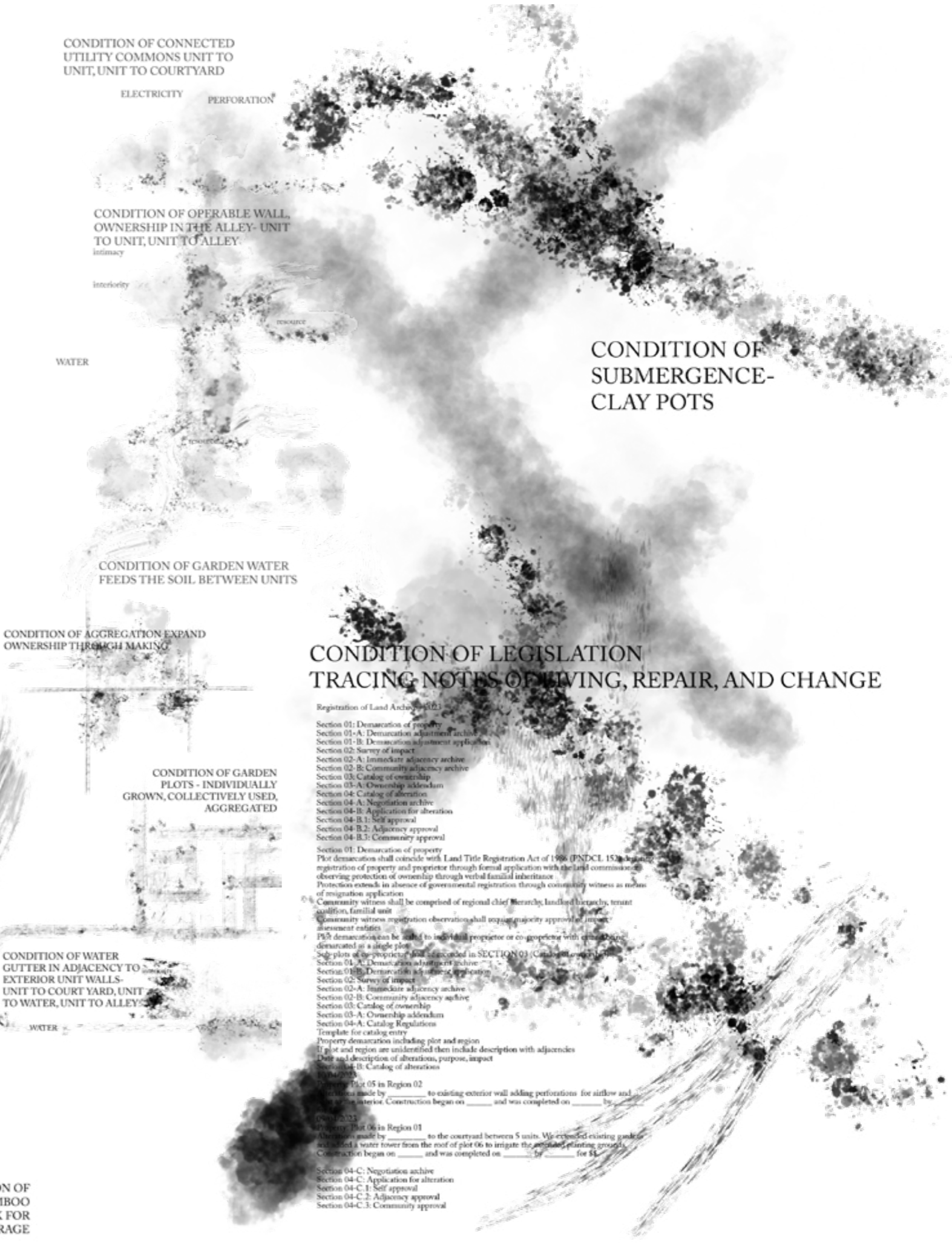
A collection of artifacts for publication including a series of sketches, produced while in Accra, Ghana as responses to the operative potential of a curated taxonomy. Balance, entwine, bury, infiltrate, accumulate, stain.



Index reference: Investigation 12

Brief: Civic Futures
Instruction: Gary Bates
Collaboration: Saba Ardeshiri and Chi Chi Wakabayashi

Each moment, interaction, adjacency is dissected and drawing in an interpretive notation cataloging movement, density, particle, water, sound. These overlays are the intricate analysis of the proposed conditions of the civic .



Investigation 01

Pixels & Protest
 Core I \ Fall 2020
 Instructed by Lindy Roy
 Research collaboration with Nicolas Nefiodow
 Site: W 116th St from Broadway to Morningside Ave

An activated network of digital activism infringes upon the jurisdictional fabric of the institution. Woven within is an exploration of scales: the pixel, the mosaic, and the crowd. Collective activation of this multi-scalar scheme becomes a feedback loop with the user, engaging the public with trans-geographical digital protest. The output of this investigation is an urban insertion that carves spaces for archive and display where the user can interact with political demonstration through digital proliferation. The pixel of this investigation is a digitized material exploration where the tactical fabric of the street and the building become a hybridized digital display of protest.

Investigation 02

Offshore and Everywhere
 ADR I \ Fall 2020
 Instructed by Josh Uhl
 Site: Deepwater Horizon Offshore Oil Rig

Deconstructing and revealing the multiplicity of components of in both the Deepwater Horizon project and the oil industry, relating to the ecology, the human, and the machine. This investigation pecifically details the mechanical tectonics of the rig, with an emphasis on the systematic faults that caused the 2010 deepwater horizon event, as well as incorporating more subdued details such as the hidden domestic spaces of oil rigs, in order to communicate the human involvement in the offshore structures and the industry as a whole. These drawings aim to spark a conversation about the consequences of the event, denoting the lifecycle of the structure to post-functional, and framing it's current location on the ocean floor. This representation serves to dialouge the tragedy of the event and the structure from both a humanistic and ecological perspective.

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Investigation 03

Embodied Labor
 Footprint: Carbon and Design \ Fall 2020
 Instructed by David Benjamin
 Site: Manhattanville

The project was centered around information regarding how different labor practices, specifically union vs non union construction in New York, contributes to the embodied footprint of a project through variant working conditions, unfair wages, and diversity in hiring practices, and how these practices would theoretically implicate my recent studio project which exists on the campus of Columbia, under the jurisdiction of the university

Data for this exploration was pulled from Columbia's contested practices in the expansion into Manhattanville, including using a construction company, Trident construction, which relies on a non union labor force, a fact that resulted in some public pushback concerning the project

This drawing visualizes and humanizes that data, showing the reality of how these factors, wage gaps, benefits, unsafe working conditions, and inclusion, differ on the basis of hiring practices, this specifically shows a cluster of construction workers at both the site of current Manhattanville construction, and speculates the second site, which was the site of my recent studio project, on the axis of 116th street on Columbias campus

Investigation 04

Metathesis
 Core II \ Spring 2021
 Instructed by Karla Rothstein
 Site: P.S 64, New York City

Metathesis is an exploration that is anchored in ideas of reactionary potential. The pedagogical investigation challenges and dismantles notions of containment and configures an approach to P.S. 64 that questions ideas of standardization, spatial coding, and the embodied sensorial experience within the school. My intervention aims to dismantle physical and conceptual thresholds of space across scales of the urban fabric, the body, and the particle.

This recoding of how the building dialogues with various reactionary agents catalyzes a spatial scheme that re-translates the kinetic potential of substance, ideas, and sensorial output associated with programmatic specificity. The building becomes a space where sights, sounds, smells, and substances infiltrate through wall, floor, and facade in a system of exposure and diffusion that produces warps, impressions, and interstitial space for new forms of occupancy and interaction between programmatic conditions.

Investigation 05

Order Received
 ADR II \ Spring 2021
 Instructed by Dan Taeyoung and Violet Whitney
 Collaboration with Priscilla Liu Auyeung and Sky Tianyun

Mapping and analysis the embodied carbon footprint of what it means to order food to be delivered to your desk in the midst of a global pandemic. This research was rooted in transportation and the international network of goods that move by land, air, and sea to enable a seemingly local food industry to survive. The mapping traced production hubs, routes to New York City, and subsequent water and energy allotment for each ingredient that composed the teams most recent UberEats orders. Revealing the hidden cost of your takeout order.

Investigation 06

Meet me in the Casita
 Core III \ Fall 2021
 Instructed by Galia Solomonoff
 Collaboration with Nicolas Nefiodow
 Site: Melrose, The Bronx

A housing intervention in the South Bronx that aimed to re-ignite the historical artifact of the casita. Originally a neighborhood anchor utilized as a commons for the residents of the area, the South Bronx casita is a meeting place, a community center, a living room, a shared resource of leisure. The scheme of the city block weaves a active street-scape through the interior of the block to activate the courtyard, linking the Bronx Documentary Center with the neighborhood garden and Mostrose Ave to the East. Preserving and adapting the original NYCHA building on site, a series of mid-rise structures are erected as complimentary towers, creating a micro-urban landscape for residents and adjacent community members. The pinnacle of this project is the translation of the casita typology into an apartment floor, where the residential dwelling units are anchored by a multipurpose amenity space, a transitional semi-private zone that links the unit back to the City.

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Investigation 07

Pocket Park
 Advanced IV \ Spring 2022
 Instructed by Alessandro Orsini
 Collaboration with Cecile Kim
 Site: Hudson, New York

Site specificity of this intervention was driven by nodes of historical overlap. Properties that have hosted both concealed and exposed programs throughout history and have transitioned through various stages of image and function. We have identified nodes in this network that have been taken by the infrastructure of the city, parking lots and driveways that pave over forgotten and hidden histories of the city. These nodes concentrate where a thread of parking lots, a community civic center, and abandoned warehouse meet Warren street. Drawing on these themes an intervention tackles ideas of labor exploitation in the modern economic paradigm of Hudson, specifically undocumented workers and their relationship with the productive landscape.

The project aims to spatialize the existing sanctuary movement that uses a service-to-organizing model. Space is organized by a path that connects warren street to the existing Columbia County Human Services building and sites of the red light district. The path creates a new grid, and the points of the grid function as both the organizing principle and pockets that allow different infrastructure to be plugged in. The grid changes in scale to allow for a range in programs. The four nodes subdivide the site. As you traverse the site, the structures range from temporal to permanent, and the program includes a park, community kitchen, and legal services.

The components of this intervention range from permanent structures to temporal plug-in objects that can frame a city scape in the forgotten pavement extended beyond Warren Street. A new grid is constructed from the path that holds spring pockets that can be activated by the insertion of various objects framed by the guidelines for city furniture in the vision plan.

Investigation 08

Lets Take the Elevator
 Tech V \ Spring 2022
 Instructed by Nicole Dosso
 Collaboration with Kim Langat, Aaron Smolar, and Yuli Wang

A technical understanding of the assembly and operation of an elevator. This project deployed architectural drawing and model to analysis each component of the elevator including the mechanism, the shear walls, and the cab.

Investigation 09

The Alley Flea
 Power Tools \ Spring 2022
 Instructed by Lexi Tsien and Jelisa Blumberg
 Collaboration with Angela Keele and Nicolas Nefiodow
 Site: Broadway and Myrtle Ave

An activated network of digital activism infringes upon the jurisdictional fabric of the institution. Woven within is an exploration of scales: the pixel, the mosaic, and the crowd. Collective activation of this multi-scalar scheme becomes a feedback loop with the user, engaging the public with trans-geographical digital protest.

Investigation 10

A Memorial to the 2011 Tunisian Revolution
 Advanced V \ Fall 2022
 Instructed by Ziad Jamaledine
 Collaboration with Nicolas Nefiodow
 Site: Avenue Habib Bourguiba, Tunis, Tunisia

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

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Investigation 11

Everything is a Construction Material
 1:1 Detailing \ Fall 2022
 Instructed by Zachary Mulitauaoepele
 Collaboration with Saba Ardeshiri

A material exploration that utilized unlikely objects as construction materials to craft a hybrid chair/bench, intended to be interacted with an customized. Materials include: wood shop waste, liquid plastic, candy, foliage, wood, plaster, copper, and paper.

Investigation 12

Verbal Agreements
 Advanced VI \ Spring 2023
 Instructed by Gary Bates
 Collaboration with Saba Ardeshiri and Chi Chi Wakabayashi
 Site: Accra, Ghana

This exploration began as a probe into the civic reality of Ghana, utilizing news, books, food, podcast, music, and poetry as a collection of sources in which we viewed, or mapped, the city of Accra. This project began as a rejection of a traditional cartographic approach to urban understanding, and instead deployed a series of readings over research, response over representation. Our understanding of Accra was accelerated by our first hand experience in the Country during a week long trip where we engaged with local artists, and submerged in a gradient of local experiences. How do we approach an architectural project in a country in which we are geographically and culturally detached from the civic reality? Where do we get agency, and how do we give agency?

The ideas presented in this work are meant to be appropriated, iterated, and adopted to living space as civic space. How can we mine the civic from the conditions of familial tenancy that has framed a way of living in the neighborhood of La, in Accra, oriented around collective maintenance, and obligatory care of neighbor, and neighborhood. How does this care shift into the new paradigm of tenant living in La, and in the global discussion of co-living when the scope of civic desire leans towards increased privatization? We have designed conditions, ranging from architectural, spatial, relational, and conceptual, that instigate the interaction of co-living, co-laboring, and collective maintenance, where the familial relationship of living has given way to intimate adjacency with strangers. These conditions, or moments, are structured through the lenses of ownership, maintenance, infrastructure, material, and space. Do you care for something because you own it? Or do you feel ownership over space once you care for something that was never explicitly yours? How can we extend our spheres of privatization and ownership to form blurred boundaries of what you maintain, and what you become a beneficiary of? This project is a series of hypotheses, test beds, claims, and counter-claims that interrogate how we live with each other, and how the civic negotiation infiltrates the intimate corners of daily life, imagining new forms of living.

Investigation 13

Mapping the Controversial Timelines of Svalbard
 Conflict Urbanism \ Spring 2023
 Instructed by Laura Kurgan
 Collaboration with Carley Pasqualotto
 Site: Svalbard, Norway

In the Arctic, there is a war over resources. As the ice melts more and more, many countries surrounding the Arctic want to stake a claim in Svalbard and utilize its resources for their own purposes. Many people see this as a looming disaster, but for the Arctic Nations, this change means an opportunity; access to a brand-new ocean.

The Svalbard Treaty, signed on February 9, 1920, established Svalbard as a free economic and demilitarized zone. The treaty says that any country who has signed the treaty “shall have equal liberty of access and entry for any reason or object whatever to the waters, fjords and ports of the territories”, otherwise saying that any country contracted in this treaty can have its people on Svalbard and can exploit the land for commercial or economic purposes. The land legally belongs to Norway, however, forty-five countries have signed this treaty, allowing these countries to have an economic claim to this land, whether that be “maritime, industrial, mining, or commercial enterprises”. One exception to this rule is that no nation, including Norway, may have military assets on Svalbard.

Investigation 14

GSAPP X Hug
 Outside In \ Spring 2023
 Instructed by Laurie Hawkinson and Galia Solomonoff
 Collaboration with Saba Ardeshiri, Angela Keele, Julie Kim, Carley Pasqualotto, and Chi Chi Wakabayashi

Situated on the campus of Columbia, in front of Avery Hall, The Hug is an inflatable design-build intended to become a highly interactive space for members of the Columbia community and visitors to relax, charge, and chill on various movable seating appendages.

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WITH GRATITUDE

For guidance, inspiration, and thoughtful collaboration...

Lindy Roy
Karla Rothstein
Galia Solomonoff
Alessandro Orsini
Ziad Jamaledine
Gary Bates

Josh Uhl
David Benjamin
Dan Taeyoung
Violet Whitney
Lexi Tsien
Jelisa Blumberg
Laura Kurgan
Laurie Hawkinson

Nicolas Nefiodow
Saba Ardeshiri
Chi Chi Wakabayashi
Angela Alissa Keele
Cecile Kim
Priscilla Liu Auyeung
Sky Tianyun
Carley Pasqualotto
Julie Kim
Aaron Smolar
Kim Langat
Yuli Wang