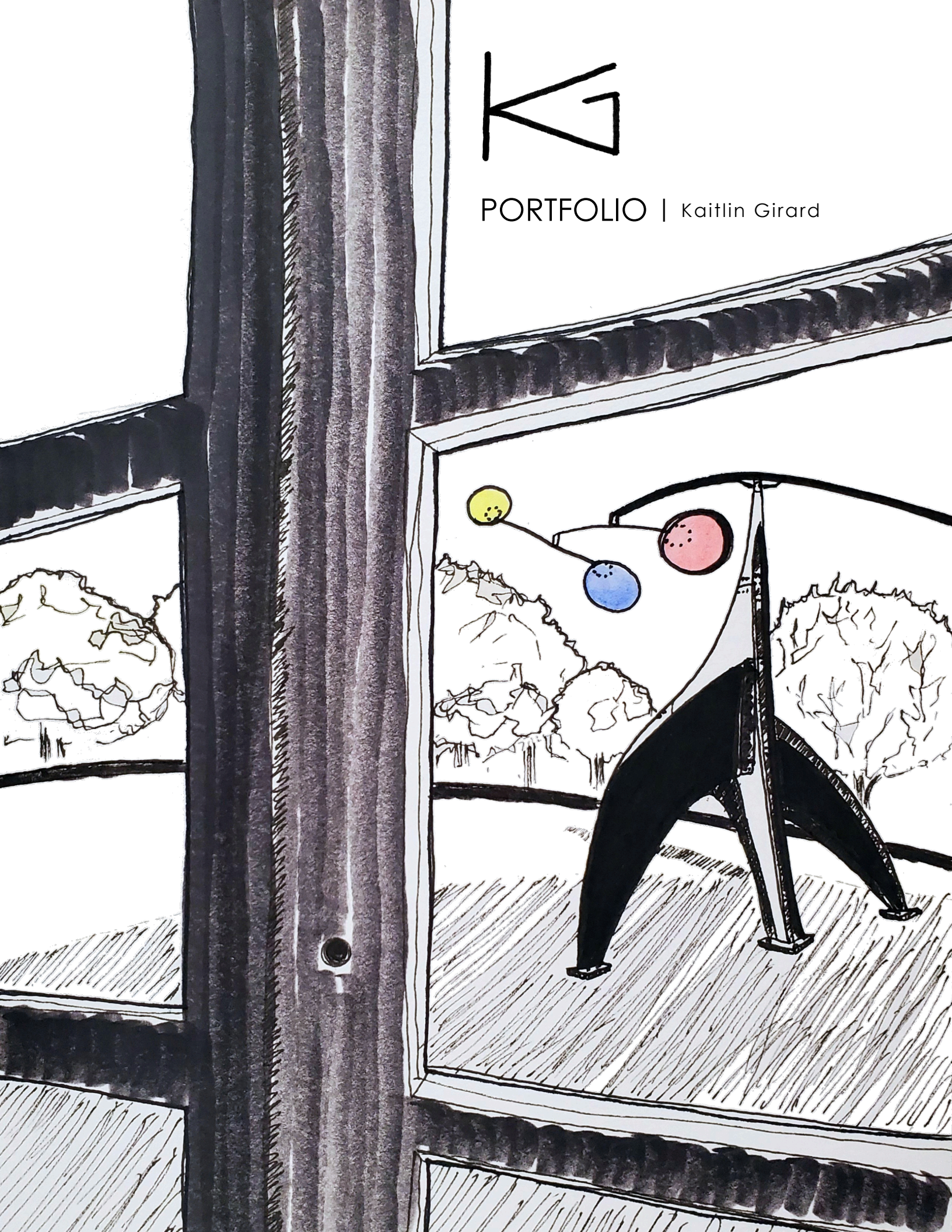


K

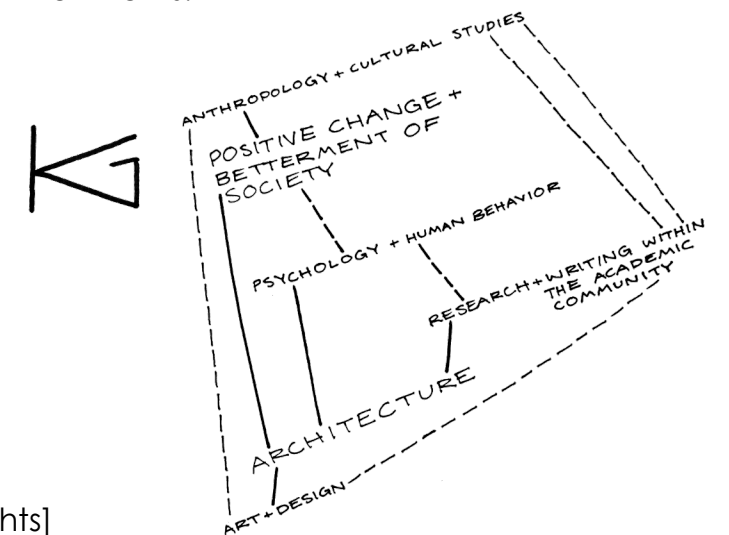
PORTFOLIO | Kaitlin Girard





designing with a people-first approach

Having spent the last over three and a half years cultivating my practical experiences in a healthcare architecture firm, I have rooted many of my design beliefs in the concept that *wellness is directly shaped by the constructed and natural worlds in which we live and heal within*. This evidence based sentiment has guided many of my studio projects, and has directly translated into the research foundation for my comprehensive thesis. While formally trained in design, I have a strong focus on environmental psychology. My broader interests lie within the intersections of architecture, health, human behavior, and socio-cultural perceptions explored through both the corporeal and transcendental experiences of individuals within their built environments.



PROJECT EXPERIENCE [highlights]

Medical Clinics at Marketplace Mall

University of Rochester Medicine

Children's Psychiatric Center Expansion and Renovation

Western New York Children's Psychiatric Center

Children's Interventional Radiology Room Renovation

Golisano Children's Hospital at Strong Memorial

Women's Imaging Suite

Wilmot Cancer Center at Strong Memorial

CT-2 G3721 Computerized Tomography Scan Room Renovation

University of Rochester Strong Memorial Hospital

OR 6 General Operating Room Renovation

University of Rochester Strong Memorial Hospital

OR 25 Cystoscopy Procedure Room Renovation

University of Rochester Strong Memorial Hospital

Labs to Offices Conversion 2-5800, 2-6800

University of Rochester Medical Center

Labs to Offices Conversion 2-5200, 2-5300, 2-5500

University of Rochester Medical Center

CP Rochester General Dental Suite

Ag Sigl Elmwood Campus



LISTED WORKS

- 01 | *Home [bound]*
pages 01 - 12
- 02 | *The Ally*
pages 13 - 18
- 03 | *Bagni della Regina Giovanna*
pages 19 - 26
- 04 | *Image Mapping*
pages 27 - 28
- 05 | *The Blue Miracle*
pages 29 - 30
- 06 | *The Roaming Eye*
pages 31 - 32



01 HOME [bound]

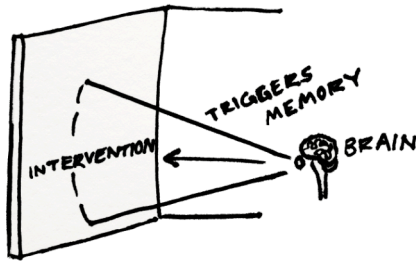
Thesis in progress, Fall 2022 - Spring 2023

Focus Areas | environmental psychology, healthcare architecture, research based design

Exploring the typology of memory care facilities within America -- shifting sterile environments to a feeling of home through the concepts of autonomy, nostalgia, neighborhood interaction, and intergenerationality.

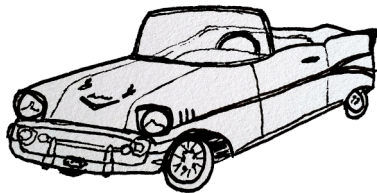
This thesis proposes a new type of memory care complex at 20 Kay Terrace in Rochester, New York. Providing for a historically under-served, at high health-risk district, this complex will not only reclaim a sense of normalcy for residents with dementia, but also serve as a community asset that can help revitalize the area.

While currently in the schematic design phase, this project will come into fruition in the Spring of 2023.



Can spatial interventions help reduce the effects of Alzheimer's disease?

NOSTALGIA AS HEALING; paired with validation therapy as an empathetic approach to dementia treatment



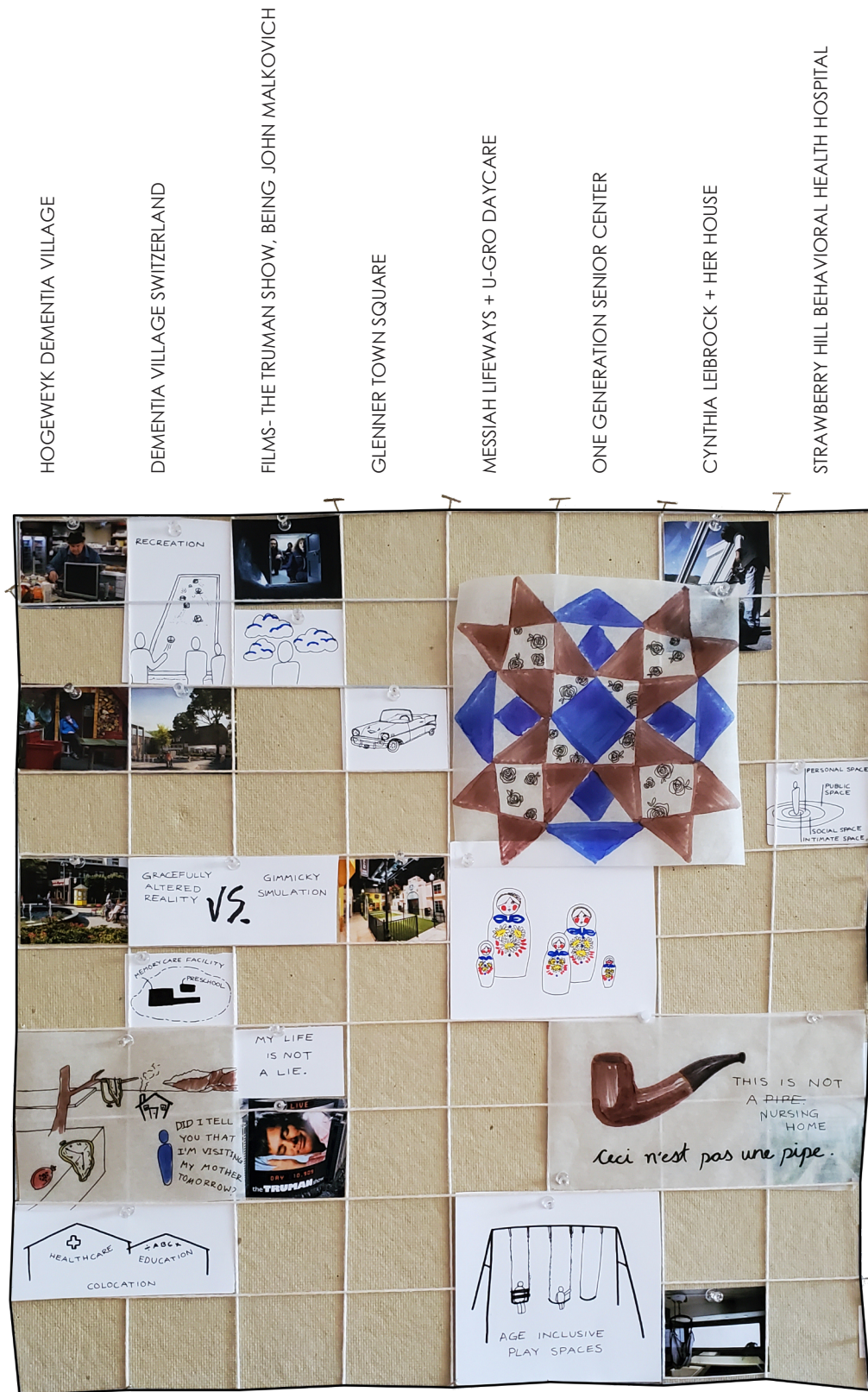
INTERGENERATIONALITY; building a mutually symbiotic relationship and a sense of community



She is no longer home.

An image of my grandfather's house -- a pair of my grandmother's shoes rest on the feet of a teddy bear. For she is no longer home.

Moved into a memory care unit during the height of Covid-19, and unable to see her, this was all we could do to help him fill her void.



THE MATRIX

AUTONOMY

SENSE OF COHERENCE

NOSTALGIA

PROXEMICS

VILLAGE

INTERGENERATIONALITY

VALIDATION THERAPY

CAMOUFLAGE

MONTESSORI PRINCIPLES

UNIVERSAL DESIGN

Key Design Principles

autonomy

nostalgia

neighborhood interaction

intergenerationality

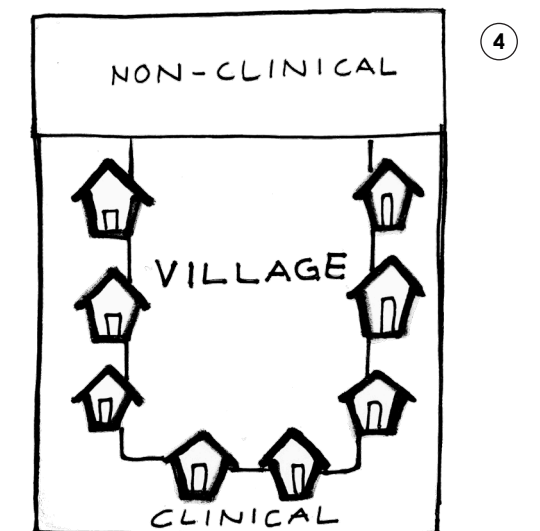
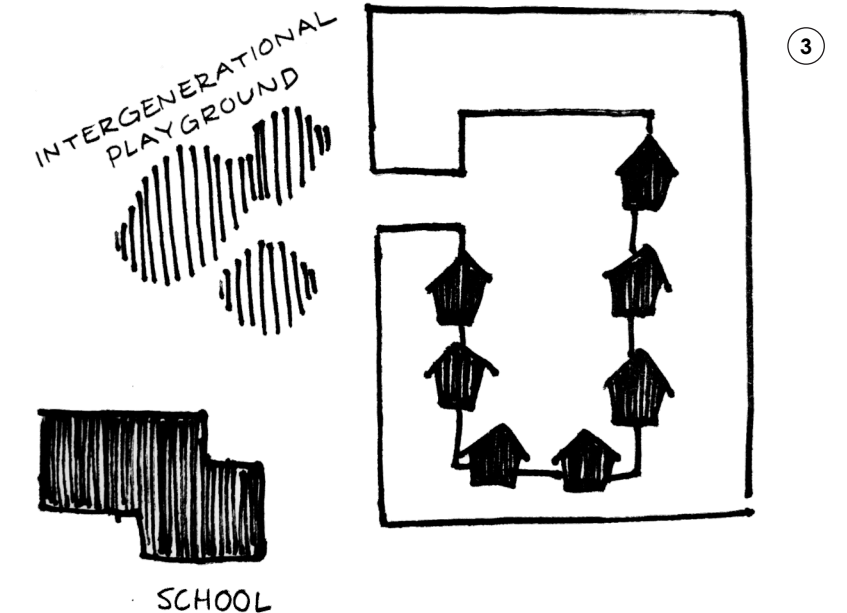
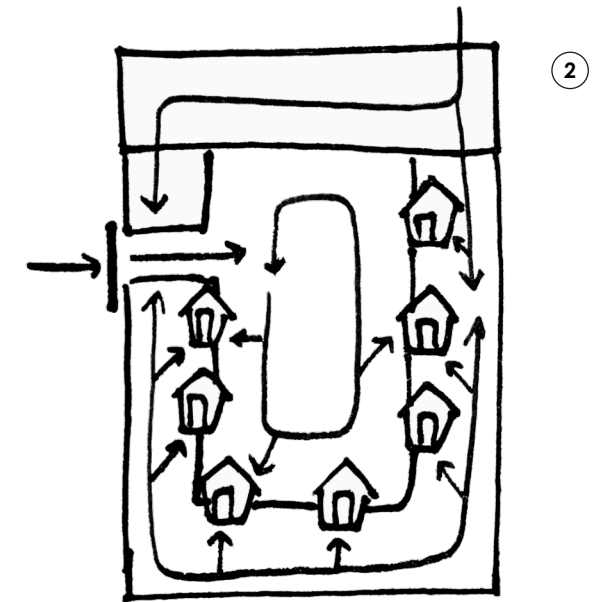
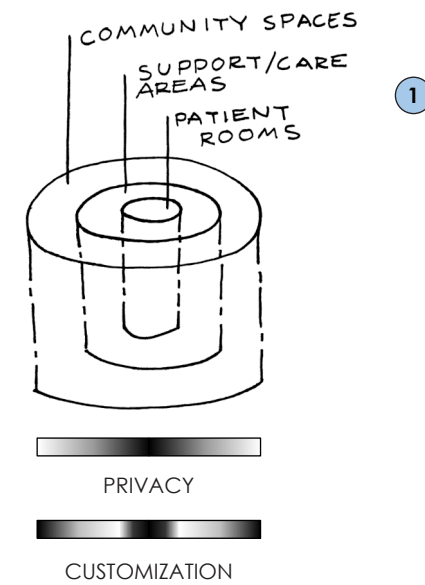
② CIRCULATION

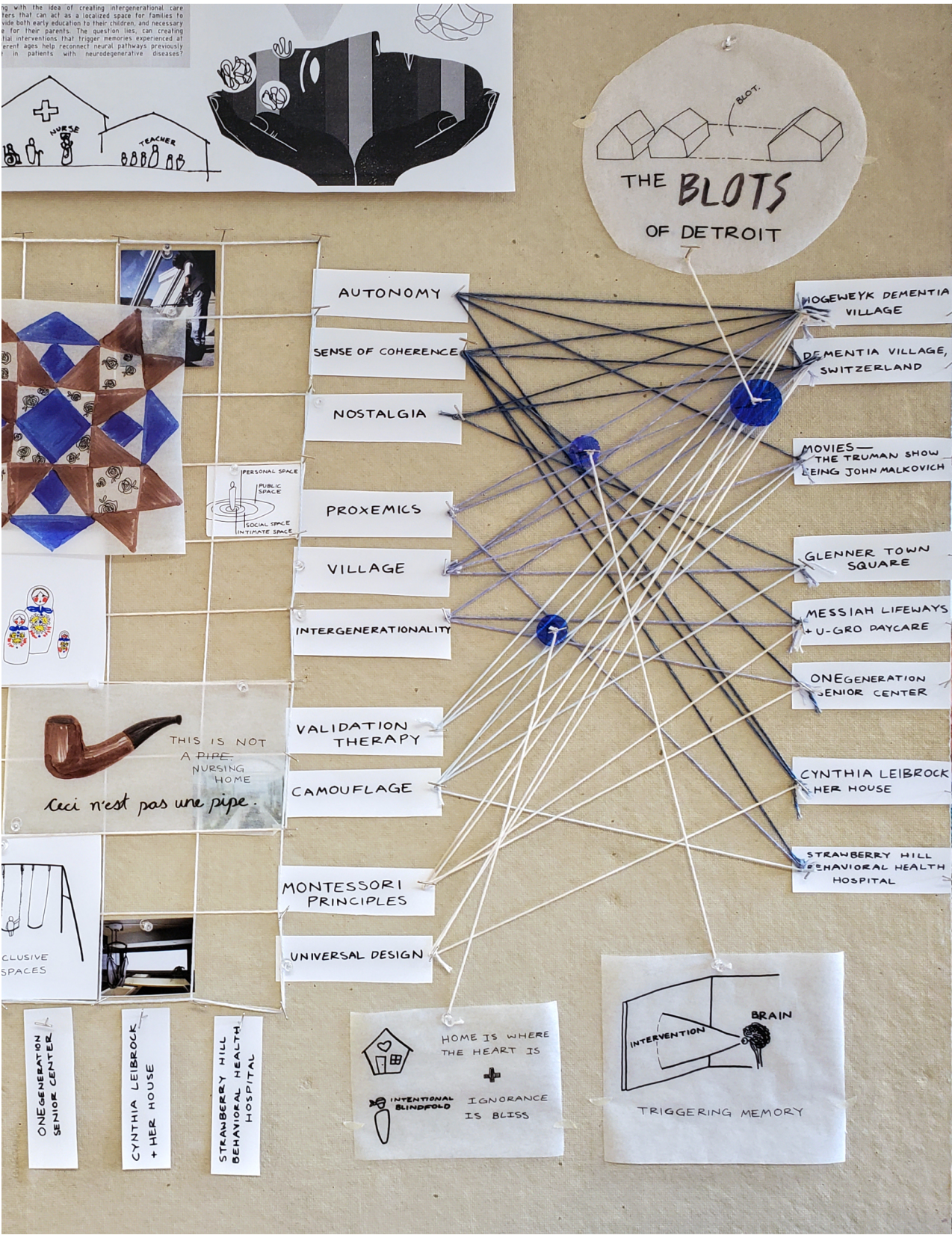
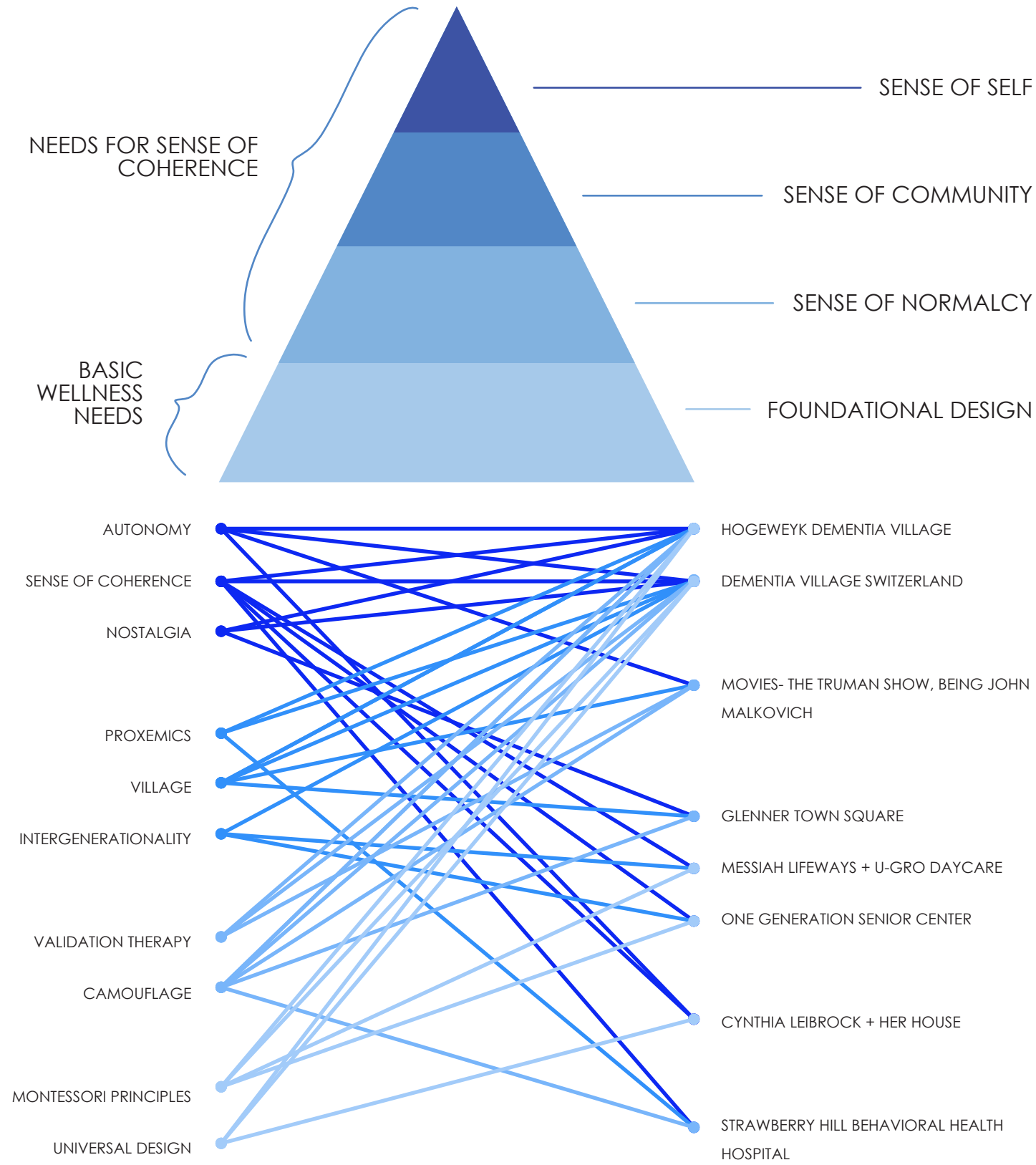
③ COMMUNITY CONTEXT

④ HIERARCHY OF SPACES

Methodology

Two methods were used to formulate connections between existing case studies -- **The Matrix** [pictured left] and **The Web** [pictured on the next page]; both intended to reinforce or decouple perceived relations between integral themes that motivate the project.



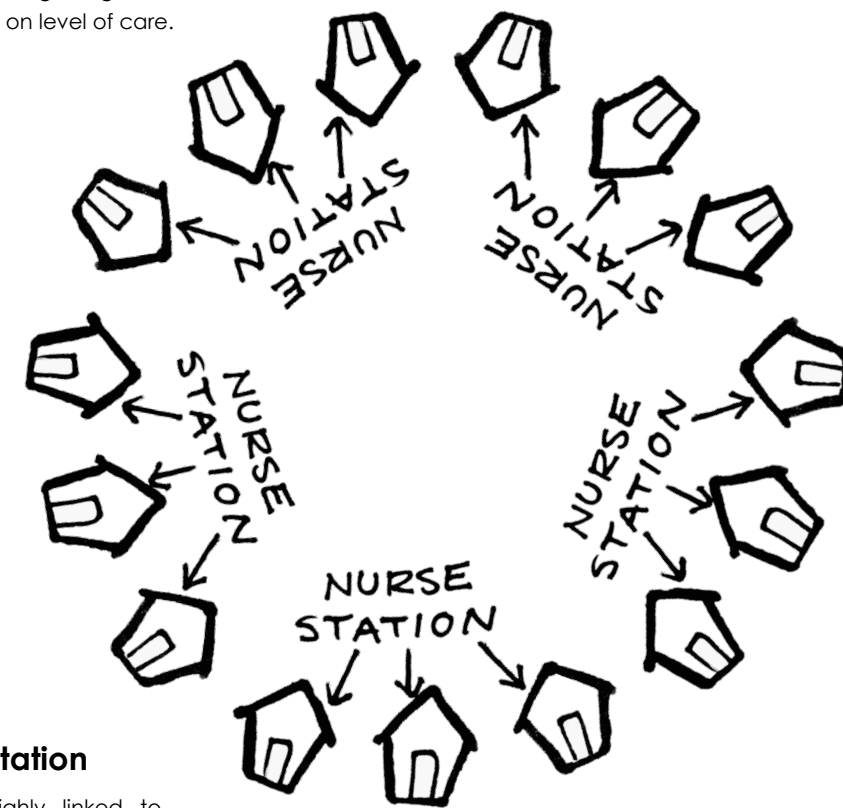


THE ORIGINAL WEB, NON-DIGITIZED



Distribution of Care

Centralized nurse stations will be placed among living unit clusters based on level of care.



Ornamentation

Memory is highly linked to one's perception of space, and the identities they assign to place. Because personal ornamentation of a home is so linked to one's sense of normalcy, removing patients from this familiar environment can increase feelings of confusion. Creating facility units that mimic this sense of home is crucial to wellness.

Typical Residence

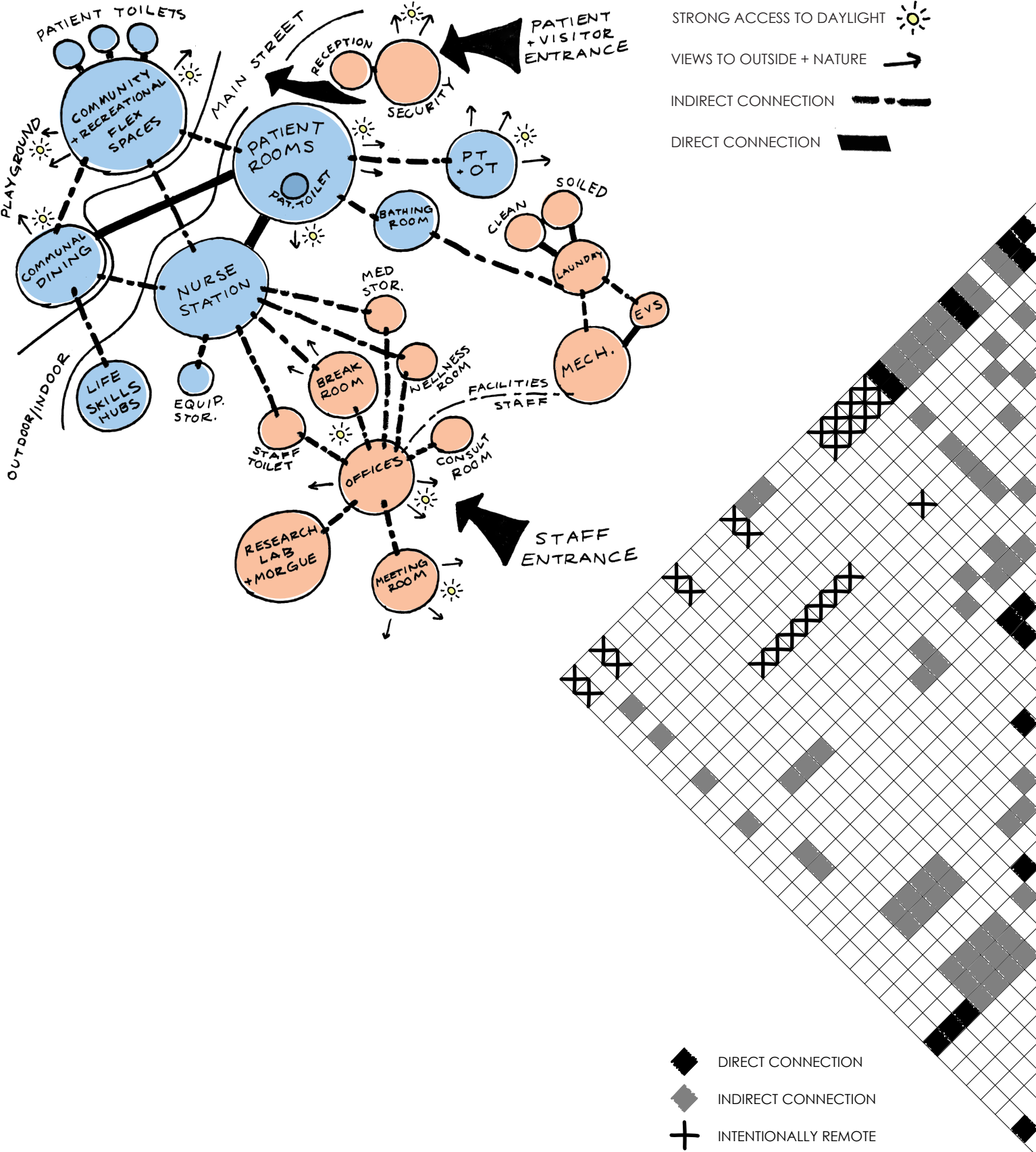
Family style units are formed based on age and lifestyle to promote socialization.



LIVING UNIT
(4-8 BEDS)

Program Iteration #1

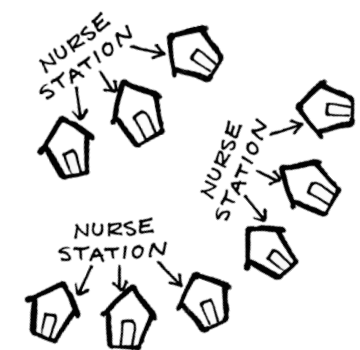
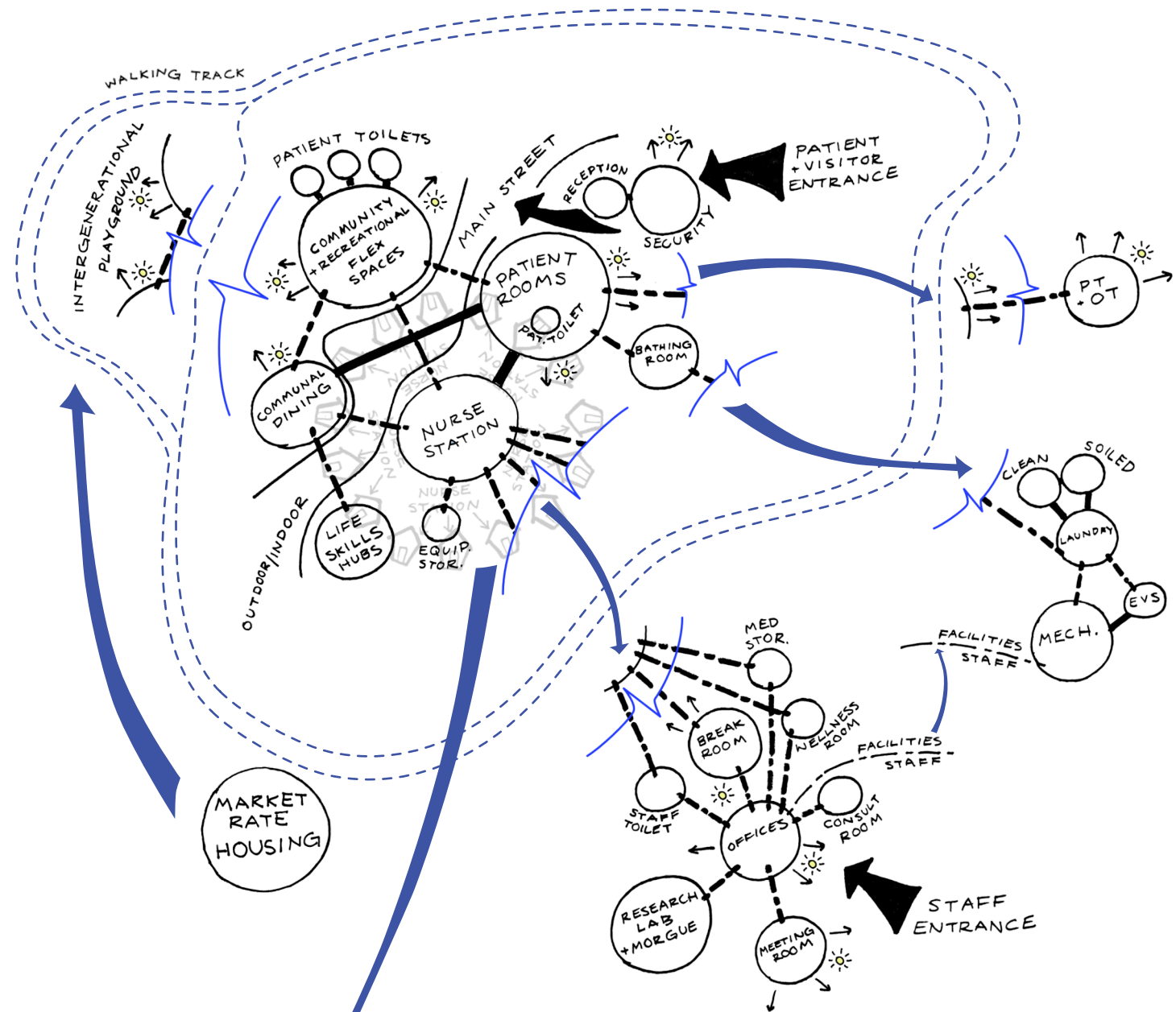
Preliminary investigation of program needs for the memory care facility and surrounding amenities.



	PUBIC USE					DAYLIGHT + VIEW					MULTI-USE					PLUMBING					SPECIAL EQUIPMENT					OTHER CONSIDERATIONS					Y - yes/included N - no/no need I - important, but not required
Patient Room (single)	N	Y	N	N	Y																										
Patient Room (double)	N	Y	N	N	Y																										
Patient Toilet (one per room + common areas)	N	N	N	Y	Y																										
Solarium + Greenhouse	Y	Y	I	I	Y																										
Intergenerational Playground	Y	Y	Y	N	Y																										
Art Therapy Room + Flex Space	Y	I	Y	Y	N																										
Communal Dining Area + Cafeteria	Y	Y	Y	Y	N																										
'Main Street' (hairstresser, grocery store, etc.)	Y	I	Y	N	N																										
Life Skills Station	Y	I	Y	Y	Y																										
Physical Therapy + Occupational Therapy Room	N	I	Y	Y	Y																										
Bathing Room	N	N	N	Y	Y																										
Nurse Station	N	I	N	Y	Y																										
Med Storage	N	N	N	Y	N																										
Clean Storage	N	N	N	Y	Y																										
Soiled Holding	N	N	N	Y	Y																										
Laundry Room	N	N	N	Y	Y																										
Equipment Storage	N	N	N	N	Y																										
Reception Desk + Area	Y	I	N	N	N																										
Security Office	N	I	N	N	Y																										
Office (Nurse Practitioner)	N	Y	N	N	N																										
Office (Geriatric Psychiatrist + Neurologist)	N	Y	N	N	N																										
Research Lab + Morgue	N	N	Y	Y	Y																										
Consultation Room	N	I	N	N	N																										
Office (Social Worker)	N	Y	N	N	N																										
Office (Administrative Director + Assistant)	N	Y	N	N	N																										
Office (Facilities + Environmental Services)	N	Y	N	N	N																										
Break Room	N	I	N	Y	N																										
Wellness Room	Y	I	N	N	N																										
Staff Toilet	N	N	N	Y	N																										
Conference + Meeting Room	N	I	I	N	Y																										
Janitorial Closet + Mop Sink	N	N	N	Y	Y																										
Storage	N	N	N	N	N																										
Mechanical Room	N	N	N	Y	Y																										

Program Iteration #2

Market rate housing is added for employees and families of facility residents, and the amenities are compartmentalized.



Walking Track

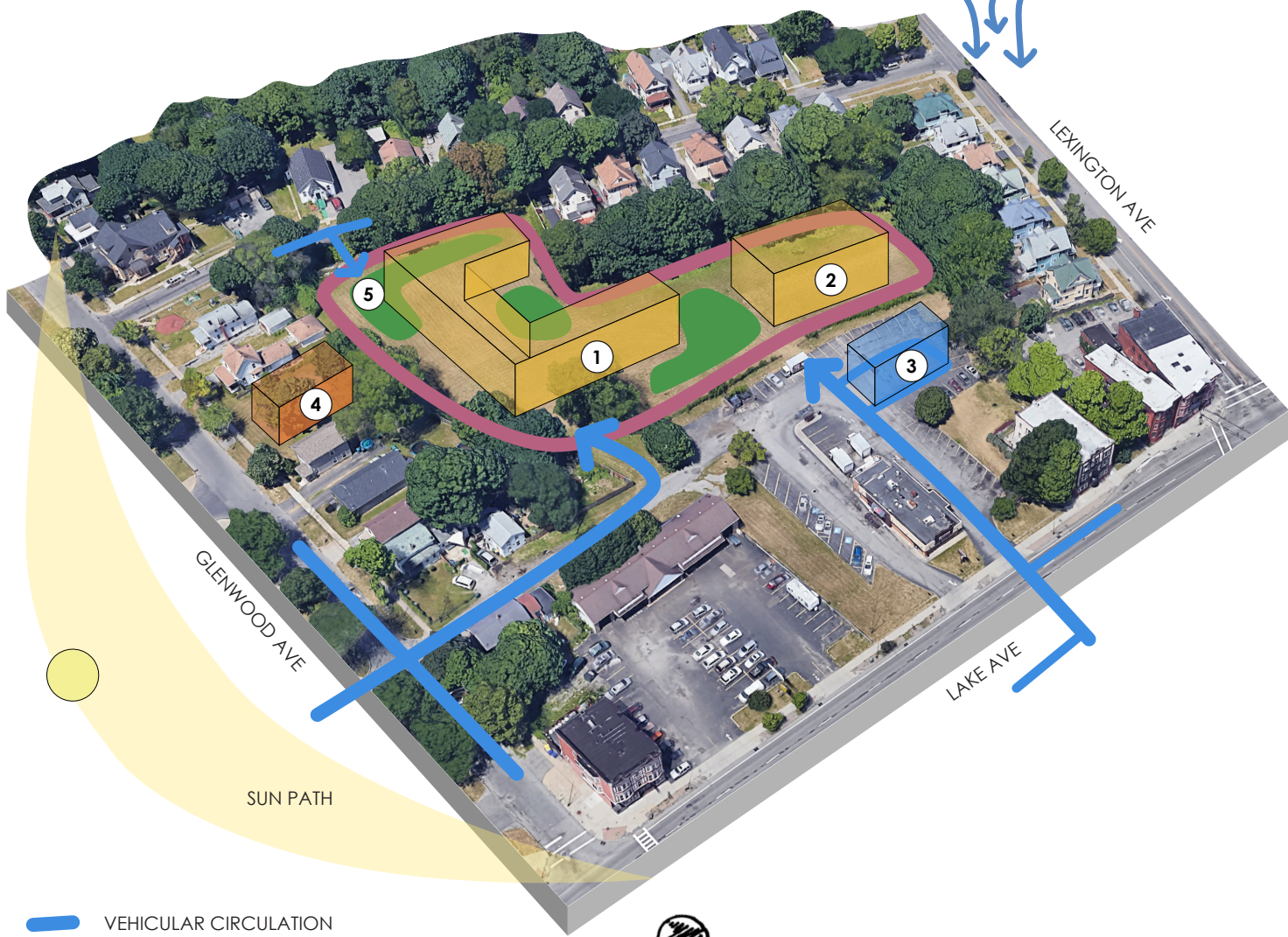
Fully encompassing the site, the walking track acts as a natural edge and safety barrier. It also promotes neighborhood interaction and intergenerational recreational use in conjunction with the playground. Walking is one of the best exercises for dementia prevention, allowing the design to address the progression of the Alzheimer's disease on multiple levels.

Centralized Nurse Stations

Centralized nurse stations can distribute service across multiple living units, which mimic the arrangement and social interactions of a familial home.

20 KAY TERRACE, ROCHESTER, NEW YORK
2.15 ACRES

NORTH WESTERLY WINDS



- VEHICULAR CIRCULATION
- WALKING TRACK
- GREEN SPACE
- 1 PRIMARY MEMORY CARE FACILITY [RESIDENTIAL + CLINICAL]
- 2 SUPPORT FACILITY [RESEARCH + OUTPATIENT THERAPY]
- 3 PARKING GARAGE
- 4 MARKET RATE HOUSING FOR STAFF AND FAMILIES
- 5 INTERGENERATIONAL PLAYGROUND

Schematic Program Organization

Based on the core principles of nostalgia, neighborhood interaction, intergenerationality, and autonomy, this complex is more than just a facility -- it is a multi-modal intervention that addresses the progression of dementia via the built environment.

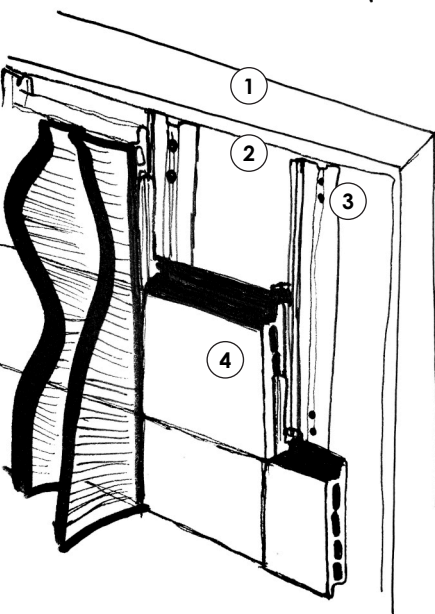
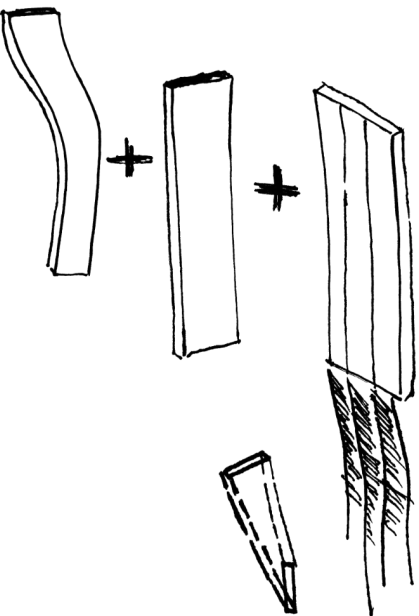
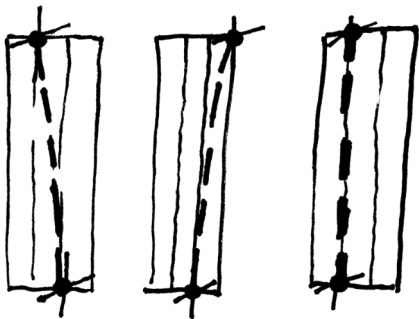
02 THE ALLY

Fall 2021

Focus Areas | facades, healthcare architecture, research based design

A proposed design located in Chelsea, NYC, intended to to connect *The High Line* back to the local community. **The Ally** is an LGBTQ+ sanctuary and natural oasis that seeks to improve the well being of its inhabitants.

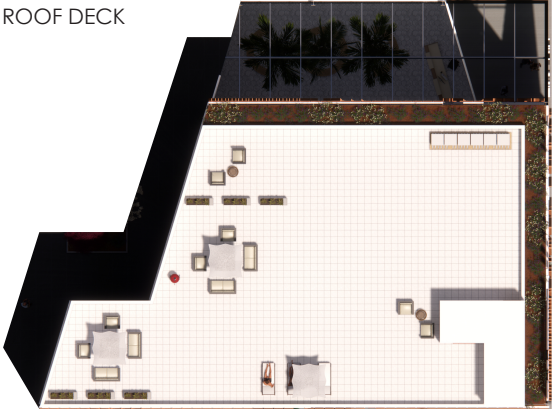
Facade Design
A terra cotta rain screen system uses organic lines to create intervals of both fenestration and privacy in the facade.



- ① EXTERIOR LOAD BEARING WALL
- ② VAPOR / MOISTURE BARRIER
- ③ SUPPORTIVE CLIP SYSTEM
- ④ TERRA COTTA PANELS AND EXTRUSIONS



ROOF DECK



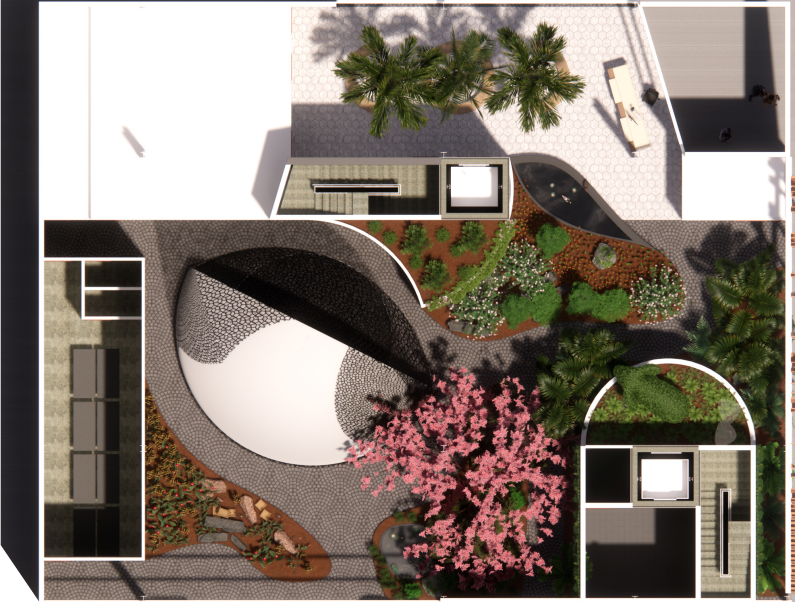
THE ALLY APARTMENTS
TYP. RESIDENTIAL
FLOOR



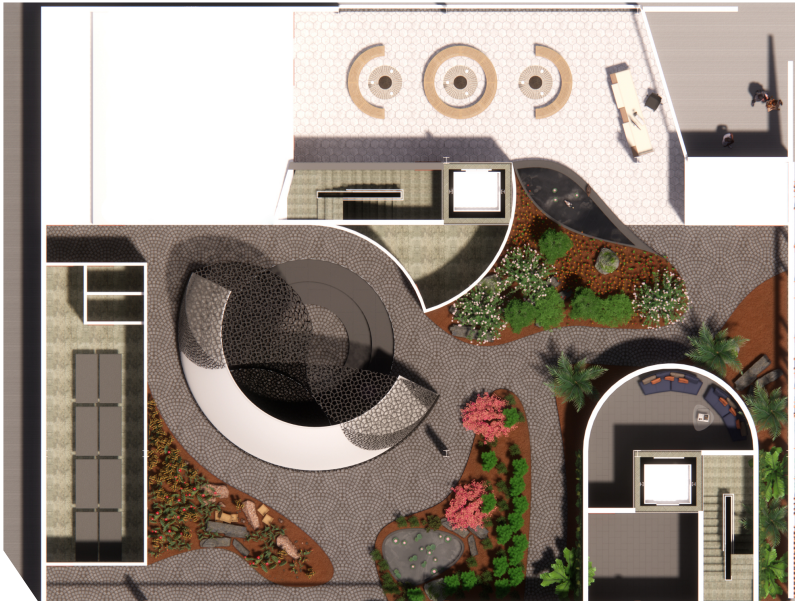
THE ALLY APARTMENTS
FIRST RESIDENTIAL
FLOOR



HEALTH SERVICES



ENLARGED FIRST FLOOR BOTANICAL CENTER PLANS [cut plane varies]



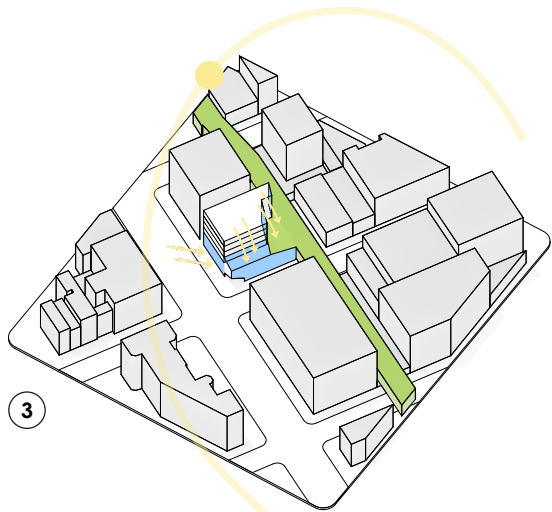
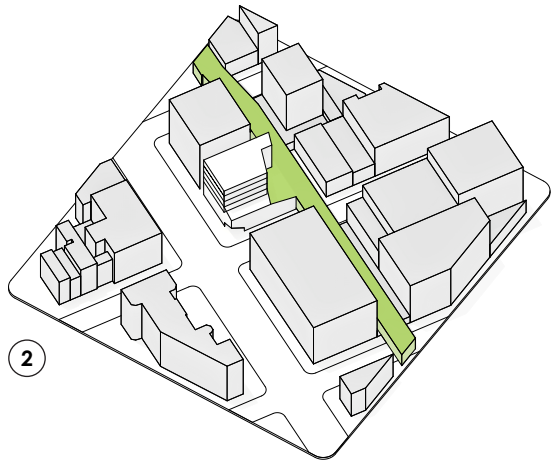
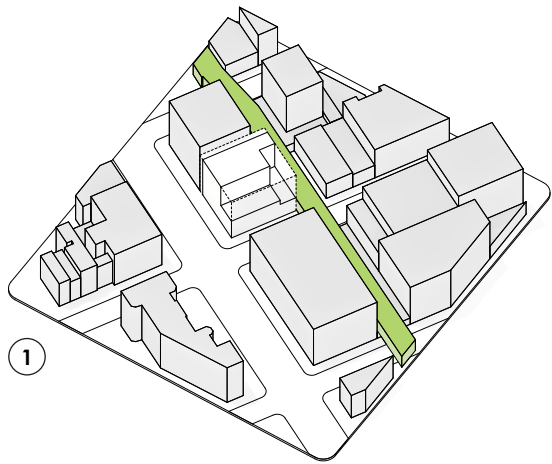
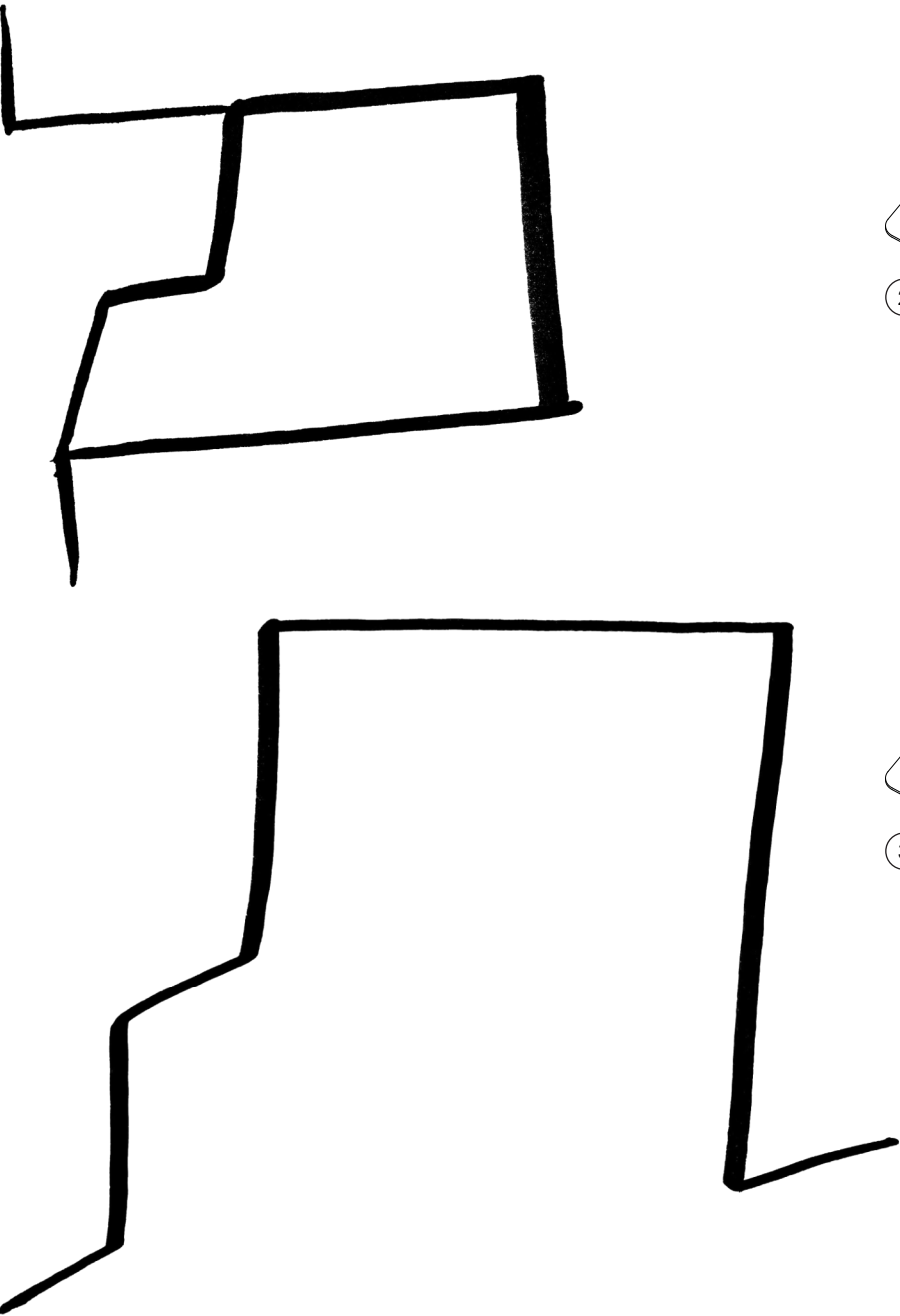
Interior Spaces

Comprised of a multi-functional botanical center focusing on social, 'neighborhood interaction', a second floor dedicated to counseling services, and three stories that are home to asylum seekers fleeing foreign nations on the basis of discrimination or fear for their sexual or gender identity, The Ally Apartments provide both a sanctuary and a renewed start for individuals and families who walk through their doors.



Form Development and Process

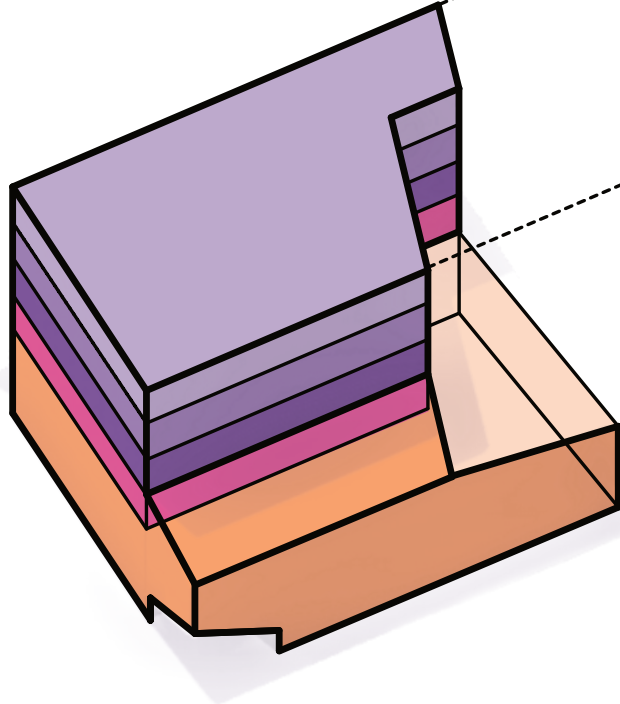
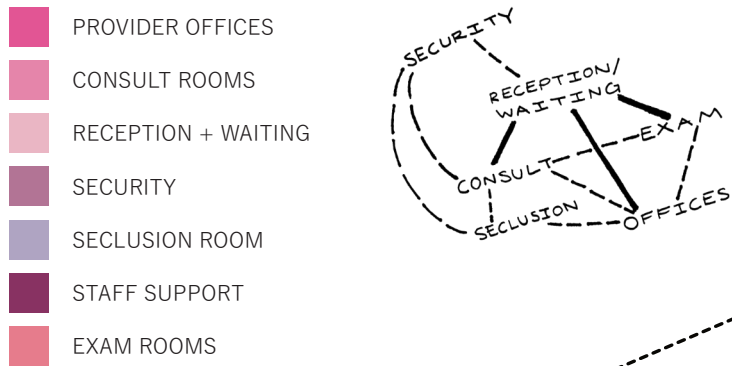
Like the many buildings along it, *The High Line* is now an iconic piece of New York City architecture. **The Ally** follows this form in a way as if it is almost emerging from the sharp, iceberg like edges of *The High Line* itself [shown below, bottom]. This form is not only contextual to its surroundings, but when inverted into plan [shown below, top], is also naturally shaped for ideal viewsheds to *The High Line* and solar fenestration angles.



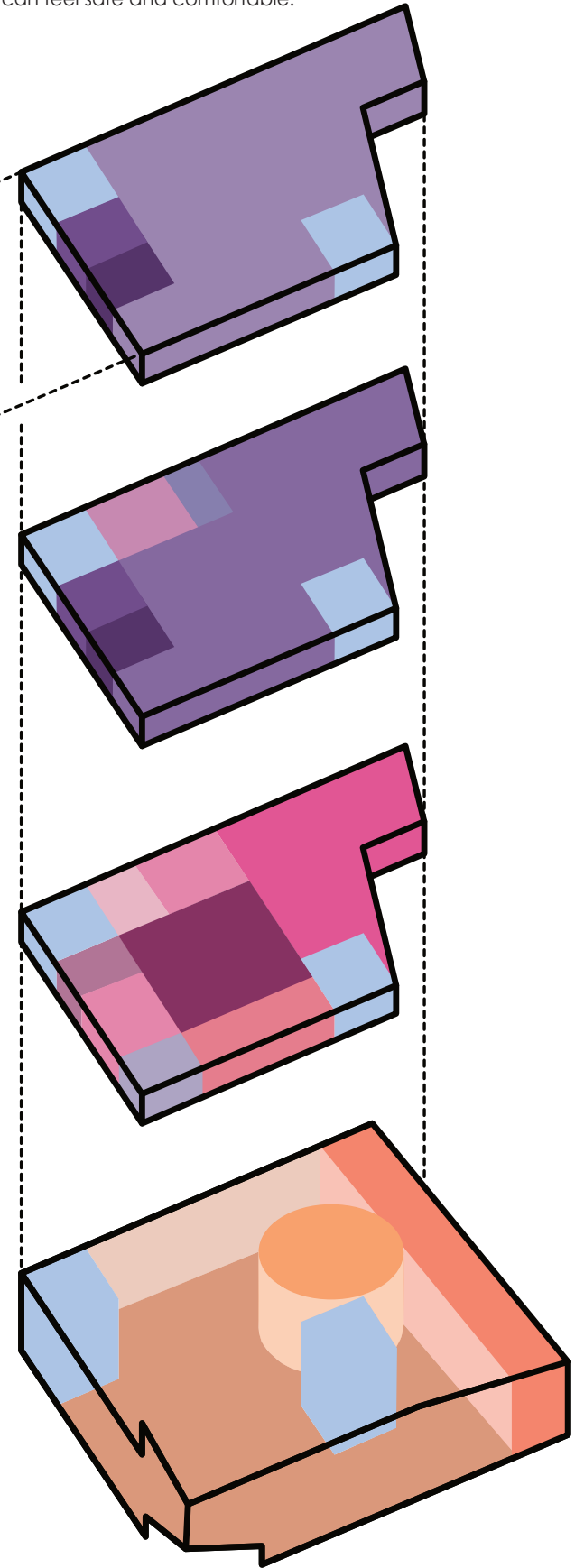
- 1 SITE EXTRUSION AND SETBACKS
- 2 FORM DEVELOPMENT AND LEVELS
- 3 SOLAR FENESTRATION AND GLAZING

Program Juxtaposition

Each level is carefully designed so residents and patients alike can feel safe and comfortable.



- VERTICAL CIRCULATION CORE
- APARTMENTS [TYPICAL RESIDENTIAL FLOOR]
- COMMUNAL KITCHEN
- COMMUNITY SPACE
- APARTMENTS [FIRST RESIDENTIAL FLOOR]
- SECURITY + MAIL ROOM
- COMMUNAL LAUNDRY
- PUBLIC CONSERVATORY
- SMALL EVENT SPACE
- RESIDENT MAINTAINED GARDEN



03 BAGNI DELLA REGINA GIOVANNA

Spring 2022

Focus Areas | *archaeology, cultural anthropology, sketching*

Perched atop an outcropping, these baths are remnants of an ancient villa that used to lie within the Bay of Naples.





ATOP A DECONSECRATED CHURCH IN NAPOLI



THE VARIOUS LIVES OF LOCAL FISHERMEN

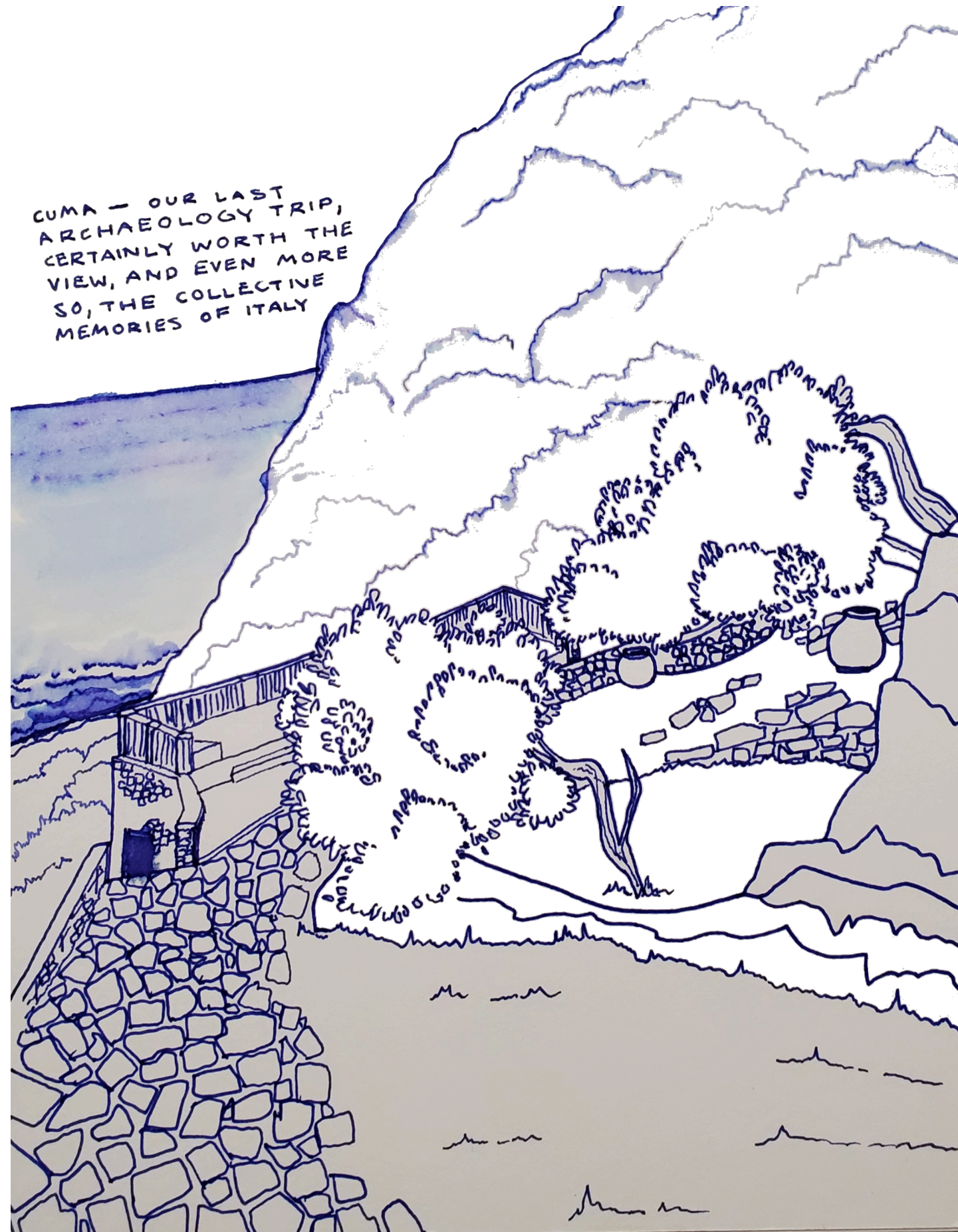


A Glimpse of Comprehensive Studio in the Bay of Napoli

The proposed project to create a visitor center for Bagni della Regina Giovanna roots its foundations in historical context, cultural observation, and respect for both the ruins and the existing natural environment located on the designated adjacent site. This synthesis can be viewed in full on the website linked at the end of the portfolio. This excerpt will focus specifically on the skills that were developed during the semester long comprehensive studio -- primarily observation, sketching, and respectful representation of cultural and site contexts. The studio was based in Sorrento, Italy.



ANOTHER VIEW FROM ATOP THE CHURCH IN NAPOLI, LOOKING OUT OVER THE CITY BELOW



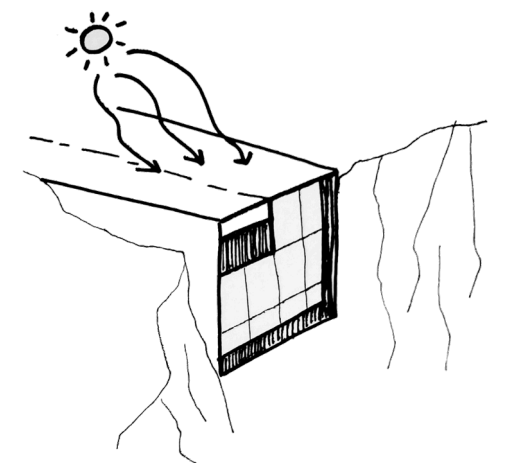
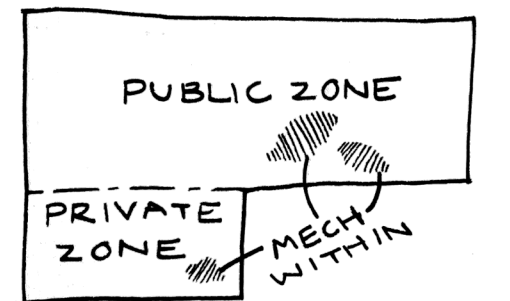
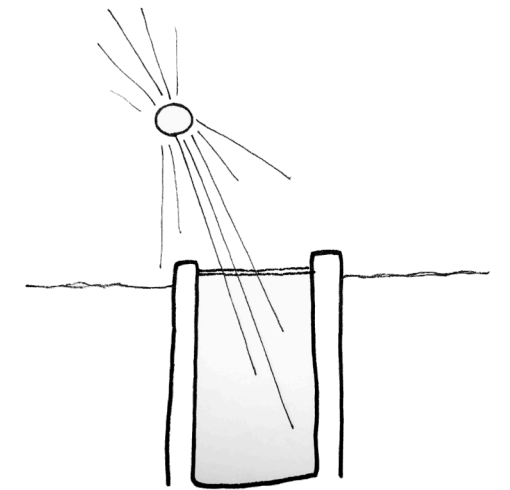
THE FISHERMEN OF NAPOLI, CONTINUED



OBJECTS AND VIEWS FROM THE COMMUNITY GARDEN AT SANT'ANNA INSTITUTE



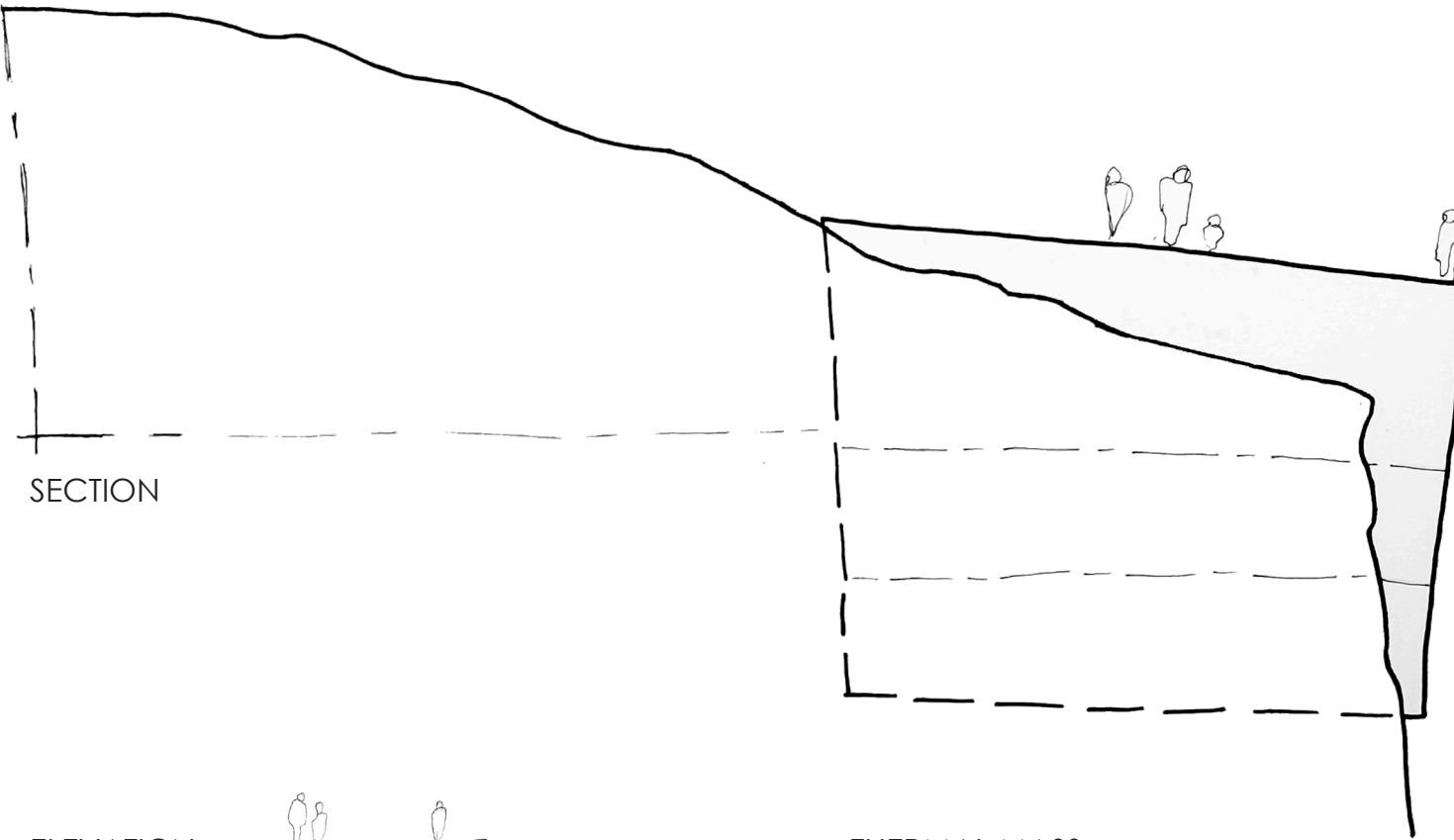
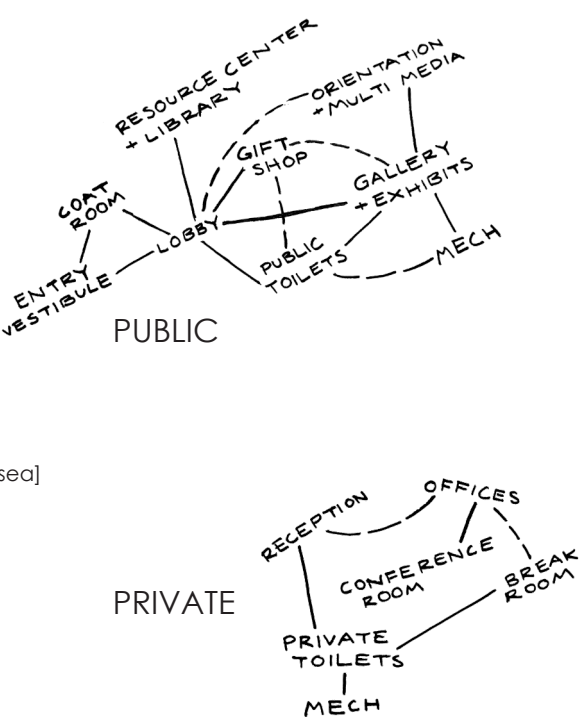
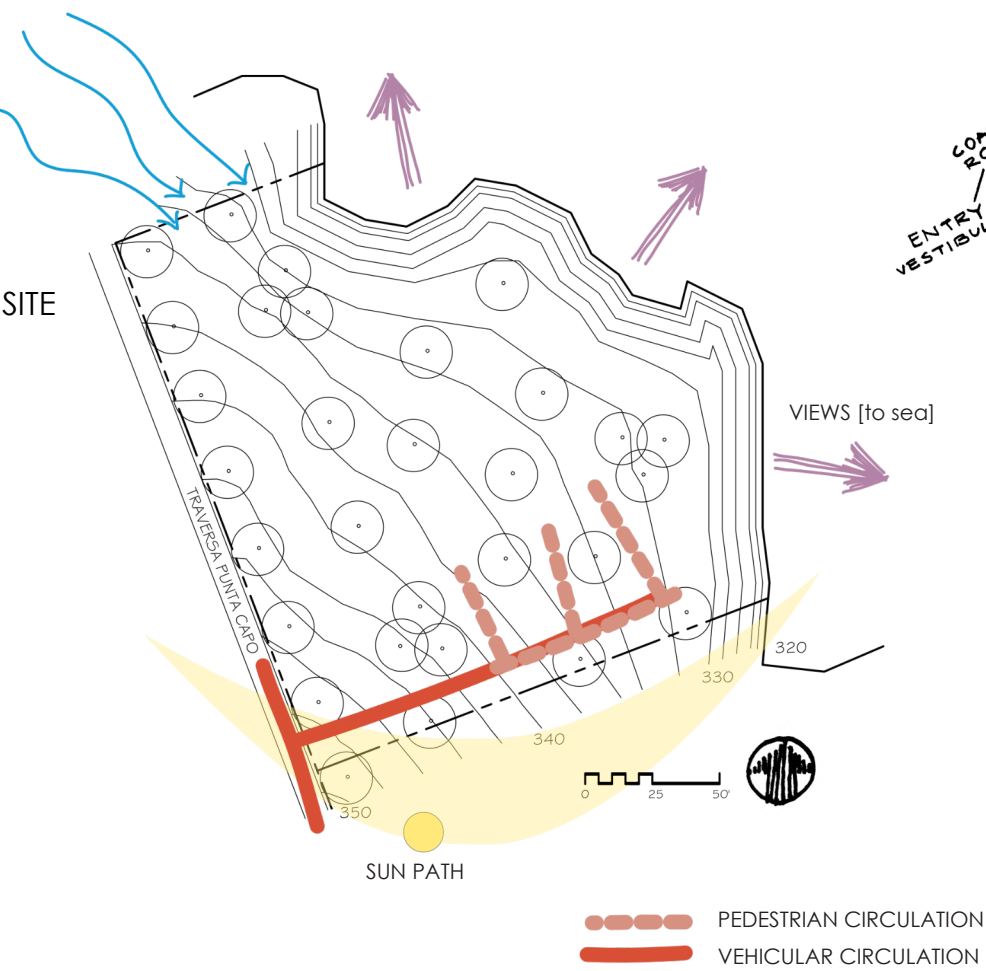
CHURCH ROOFTOP VIEWS IN NAPOLI



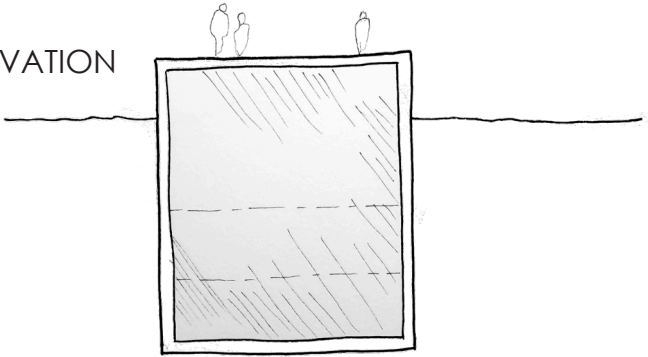
The Concept [shown above]

The design concept rests on the notion that architecture should honor the site, natural environment, and historical cultural contexts surrounding it. The best way to achieve this, is to simply make the building blend into the earth itself, by going underground. With the center buried into the cliff side, it becomes part of the topography and respects the site.

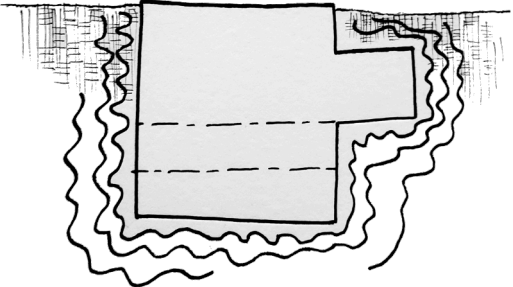
TYPICAL PREVAILING WINDS
[variable to seasons]



ELEVATION



THERMAL MASS

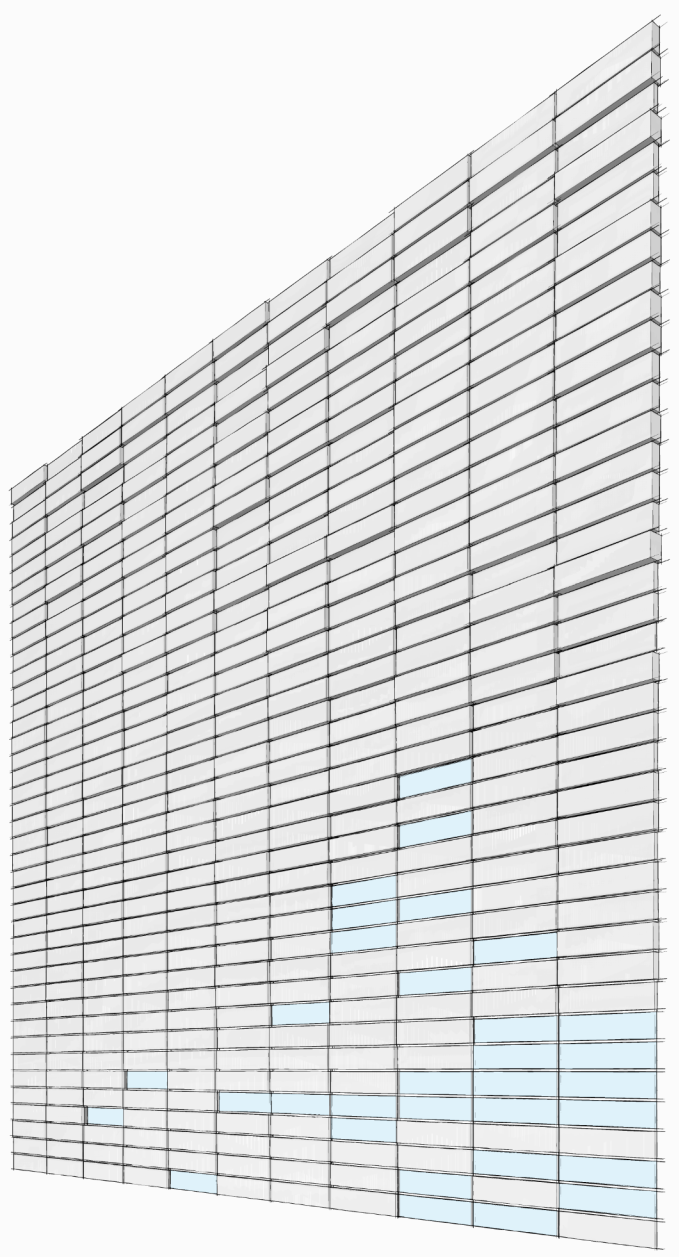


04 IMAGE MAPPING

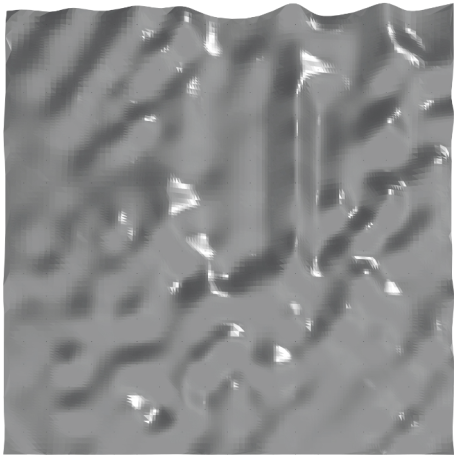
Fall 2021

Focus Areas | *computational design, facades*

Created using Dynamo, this facade exercise highlights the different ways a graphic, such as a logo, portrait, or work of art, can be projected onto a building exterior. Each facade was generated by the same image, but with a vastly different output appearance. Each variation can then be further adapted to accommodate different levels of detail, by adjusting the concentration of reference points, or steps [shown below in the *discs* variation].

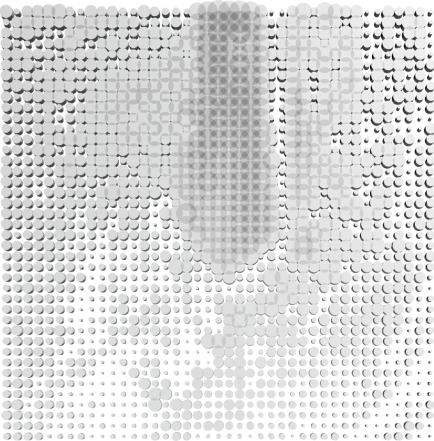


SOLID AND GLASS PANEL PATTERN

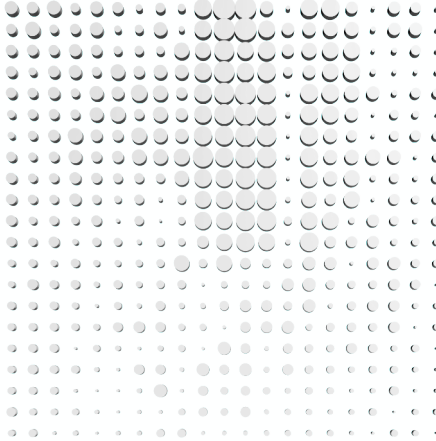


SURFACE PANELS IN RELIEF FORM

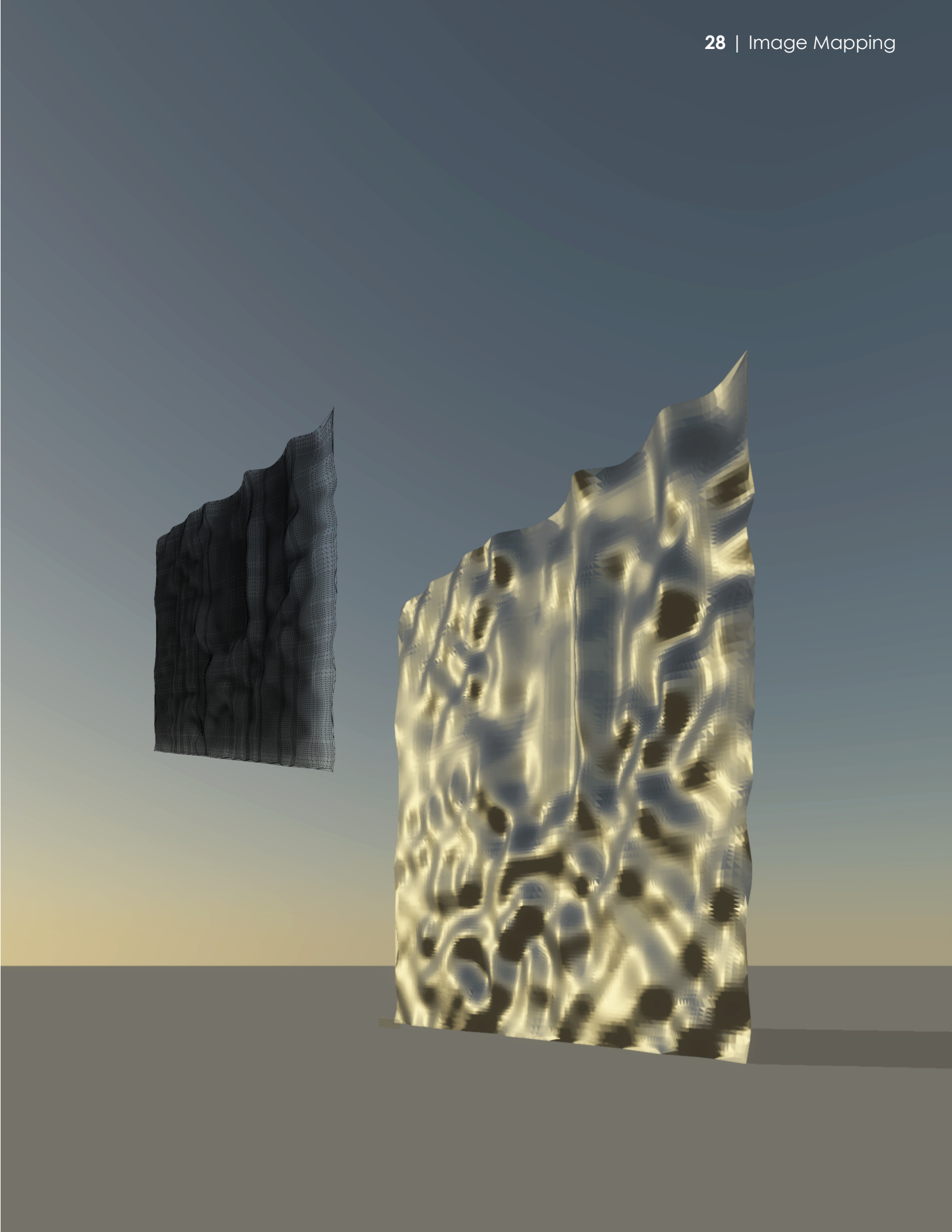
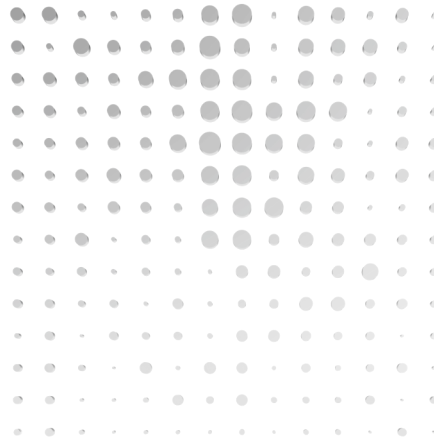
DISCS AT A CONCENTRATION OF 1.0



DISCS AT A CONCENTRATION OF 2.0



DISCS AT A CONCENTRATION OF 3.0

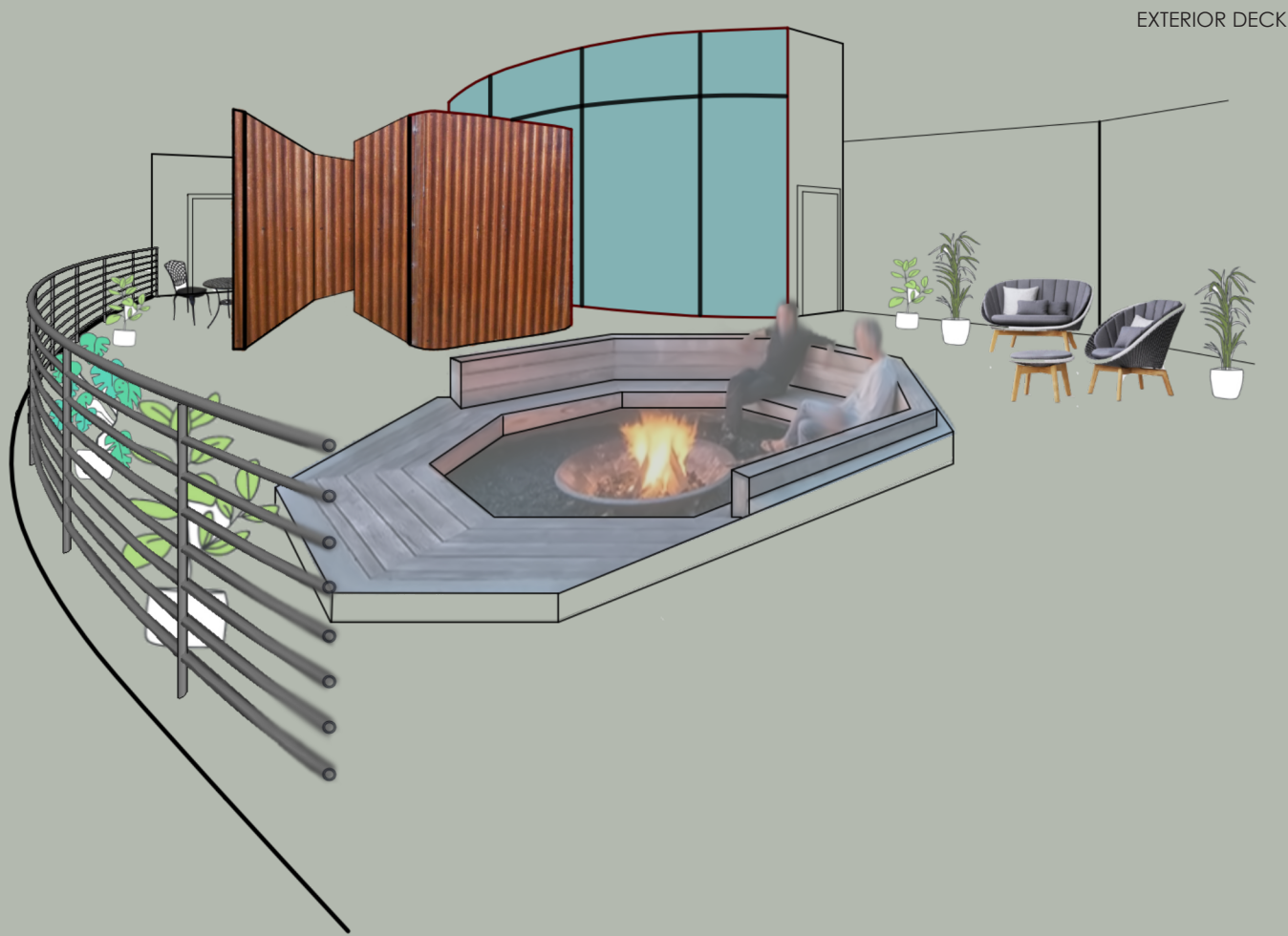
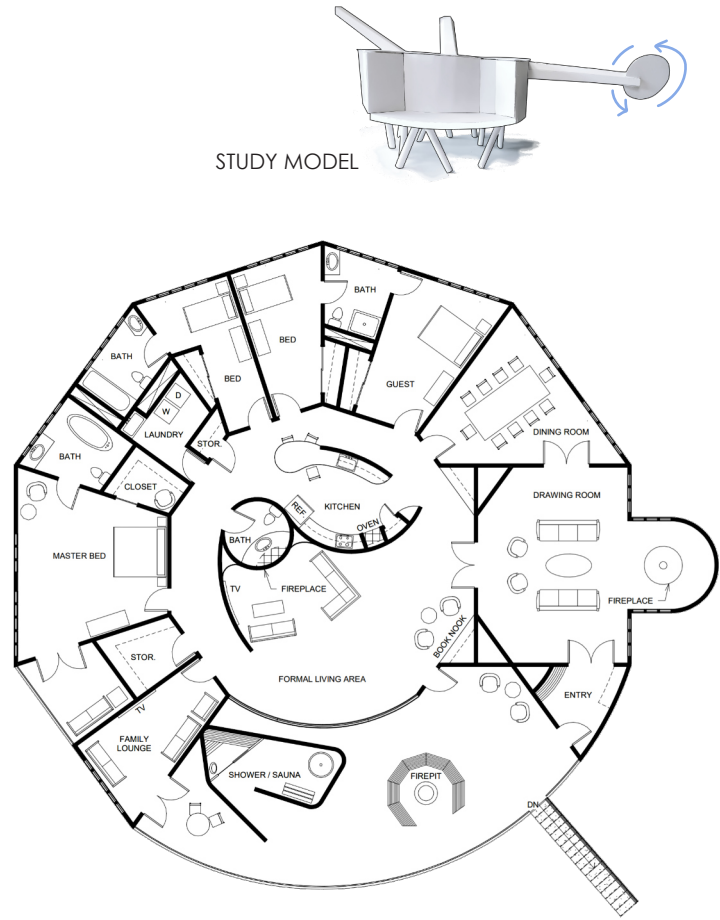


05 THE BLUE MIRACLE

Fall 2020

Focus Areas | *adaptive reuse, sketching*

This concept design balances the invasion of the new with the exhibition of the old. It proposes rehabilitating retired bucket excavator, *Bagger 258*, into a new, eclectic residence. Its signature blue coat that once dubbed it **The Blue Miracle** has since rusted away, but with structural restorations and an interior retrofit, this remnant of the industrial past can breathe new life.

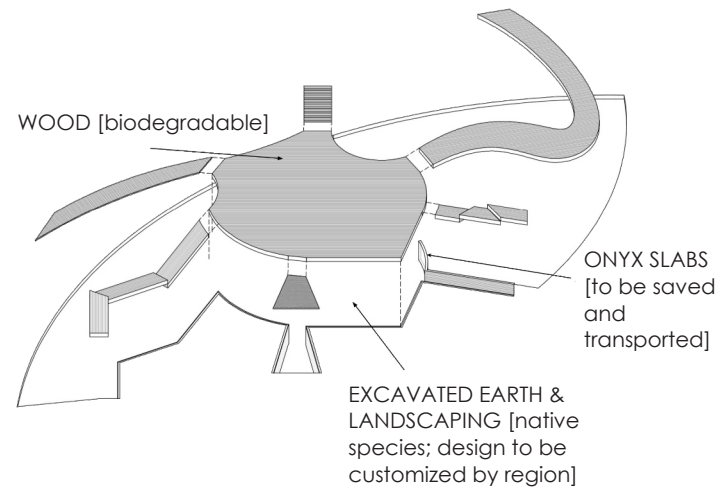


06 THE ROAMING EYE

Spring 2020

Focus Areas | human interaction with the landscape, *photoshop*

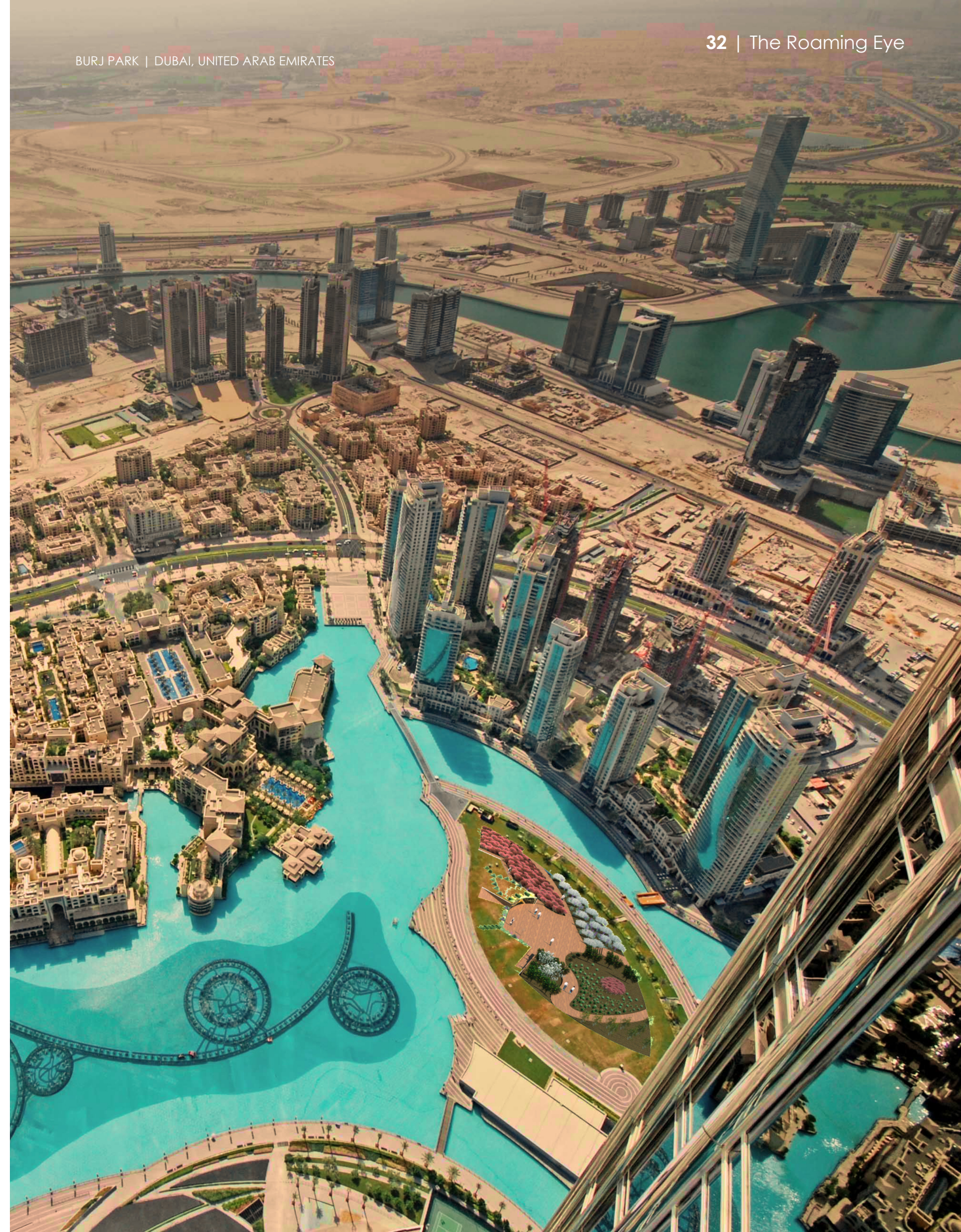
The task was to construct a public monument, and then depict it in various digital landscapes. The Roaming Eye is a traveling installation. It serves as an all ability, all age inclusive garden in which people can virtually connect with others from around the globe via other eye locations.



SECHSELÄUTENPLATZ | ZÜRICH,
SWITZERLAND



ENGLISCHER GARTEN | MUNICH,
GERMANY





FOR MORE, VISIT:

<https://girardkaitlin.wixsite.com/mysite>

www.linkedin.com/in/kaitlin-girard