

Growing Presence

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University at Buffalo

Bachelor of Science in Architecture '23

Master of Architecture '25

Undergraduate Project Portfolio - 2020-2023

Graduate Project Portfolio - 2022-2024

Post-Graduate Portfolio -2024-Present

Table of Contents

Modular Connections	4-9
Envision Resilience	10-13
Breathable Buffalo	14-17
Branching Transit	18-21
Ground Work Market Garden	22-25
Structures III	26-35
Sydney Gross Memorial	36-39
Motion of the Oar	40-45
Fitting in	46-51
Shifting Forest	52-55
Growing Community	56-61
Post-Graduate work	63-77

Modular Connections

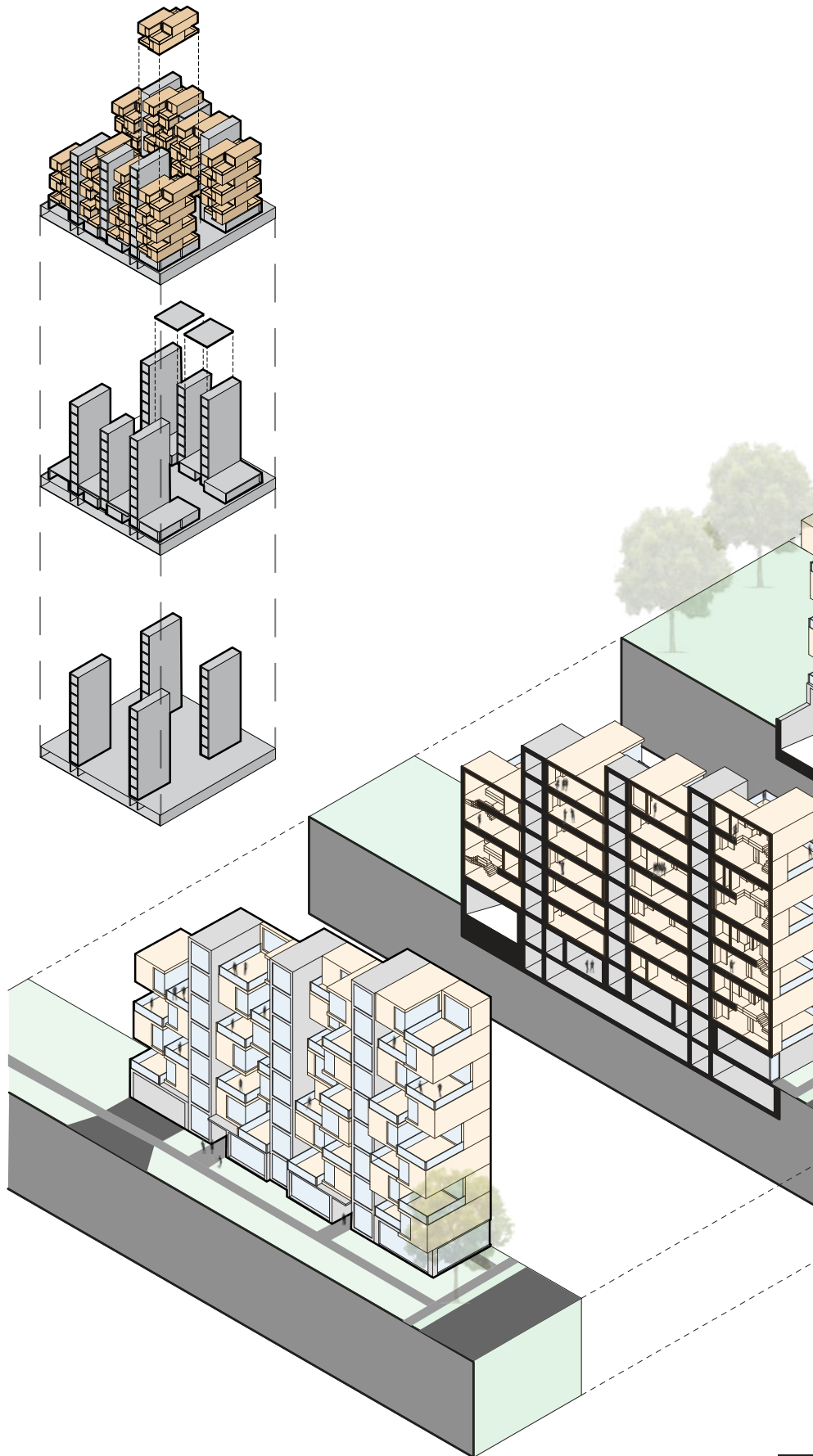
Location: Buffalo, NY

Program: Addition and Improvements
to BMHA Public Housing

Professor: Annette Lecuyer

Senior Year Fall 2022

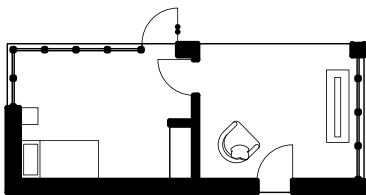
Modular connections is a prefabricated modular housing system that promotes community interaction, both among residents and with the neighborhood. The system has two components: site-cast concrete infrastructure and factory-made residential units. The concrete infrastructure includes basement parking, point access vertical circulation cores, and ground level incubator work spaces for residents and others in the community. This infrastructure provides the armature for residential units that are trucked to site and craned into place. The stacked modules are shifted to make terraces. With the variations in unit types and shifts generating a completely randomized facade.



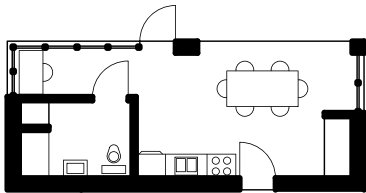


Modular Connections

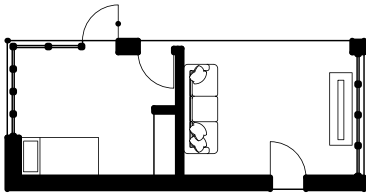
The system consists of four modules that are combined to make sixteen different unit types, including one- and two- bedroom single story units, as well as two- and three- bedroom duplex units with vertical services chases in the units about the cores. Two new parallel buildings running north-south create pedestrian routes through the site at ground level and “CANYONS” of terraces that promote social interaction among residents. The existing building is modified to incorporate two-story shared lounges for residents, which mark the entrance from the street. This and the removal of the north-facing units admits daylight into and allows views out from the corridors.



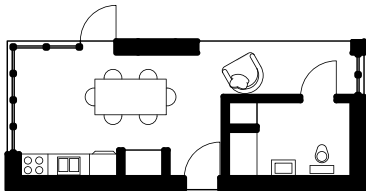
A



B



C



D



A D



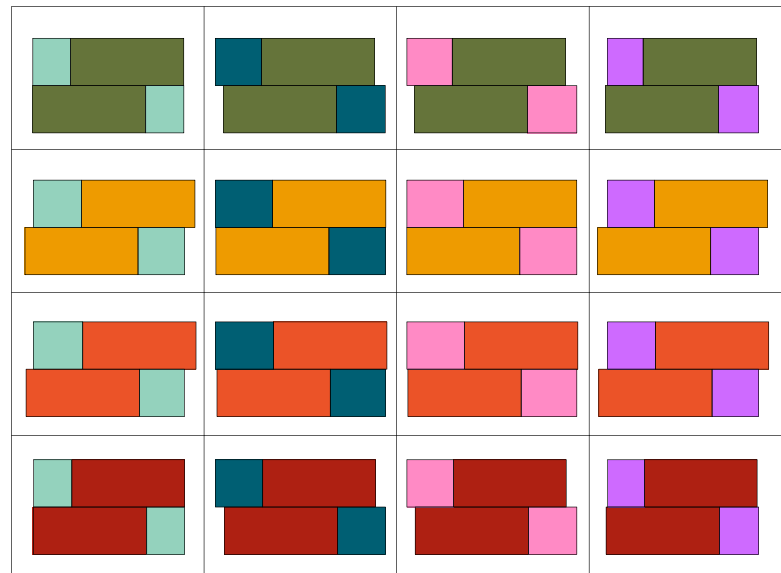
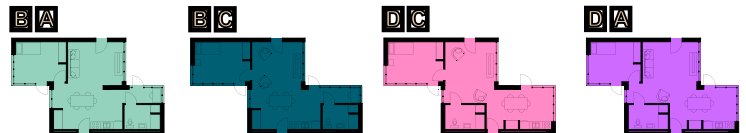
C D

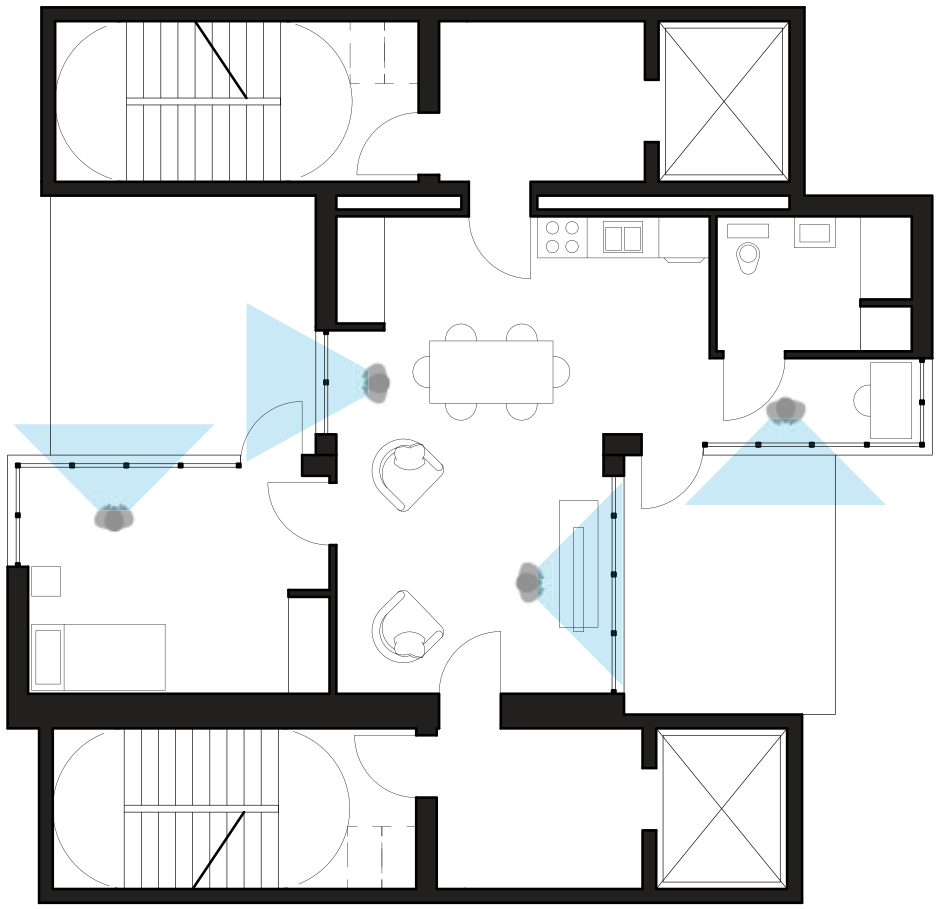
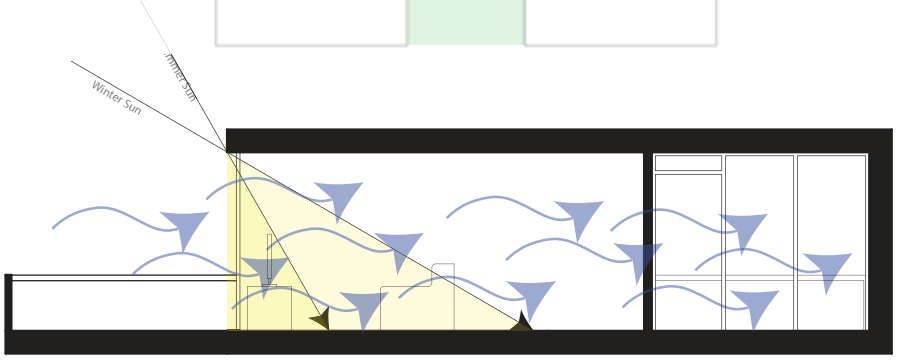
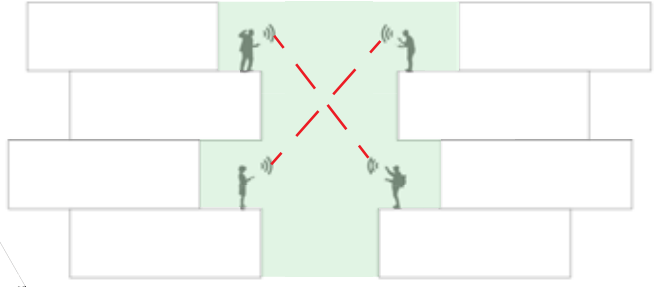
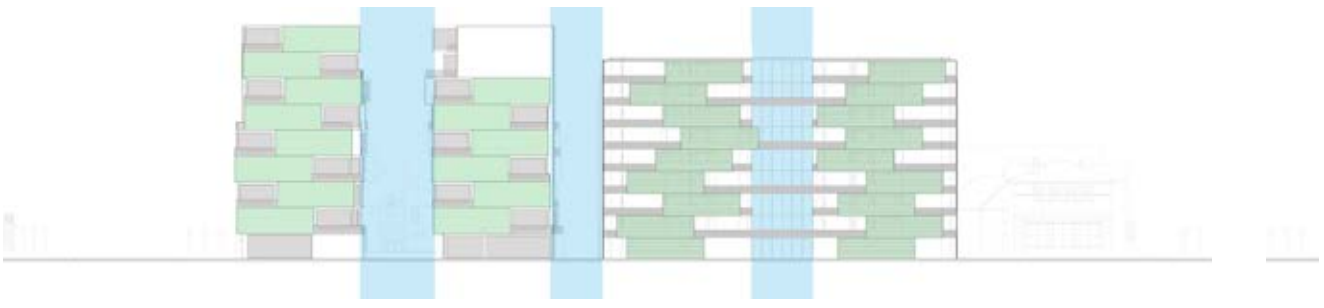


C B



A B





Modular Connections

New prefabricated modules are added to the north. The units in the existing building are modified to add flexibility to be either one- bedroom units or two-bedroom co-living units, with new south facing balconies that may either be private or shared. Every new prefabricated unit has four aspects for daylight and cross-ventilation, two terraces, and direct access to a front door from the circulation core without corridors. Factory fabrication saves time on site and results in higher quality construction at lower cost. This system has the potential to be applied to public housing sites across Buffalo and beyond.





Envision Resilience

Location: Portland, Maine

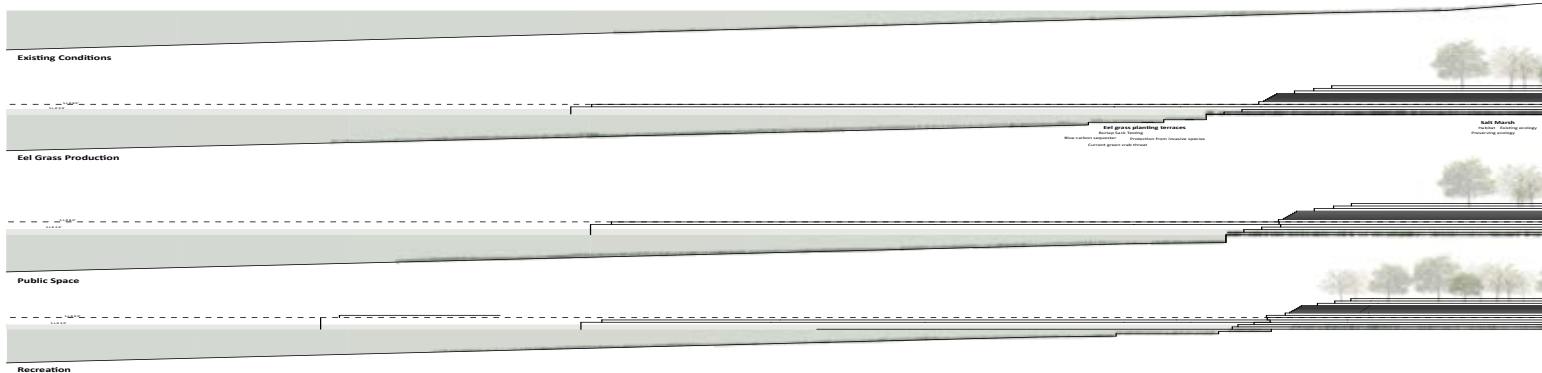
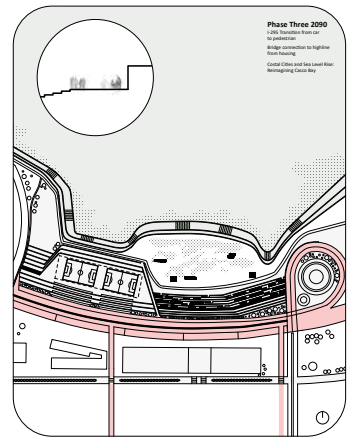
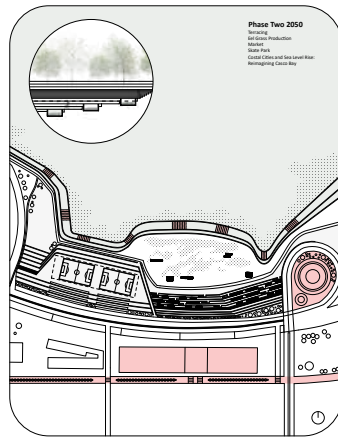
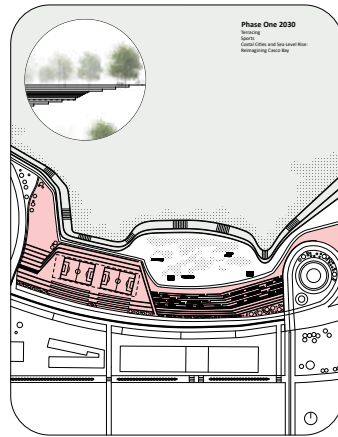
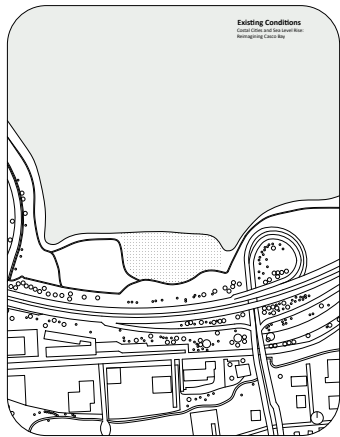
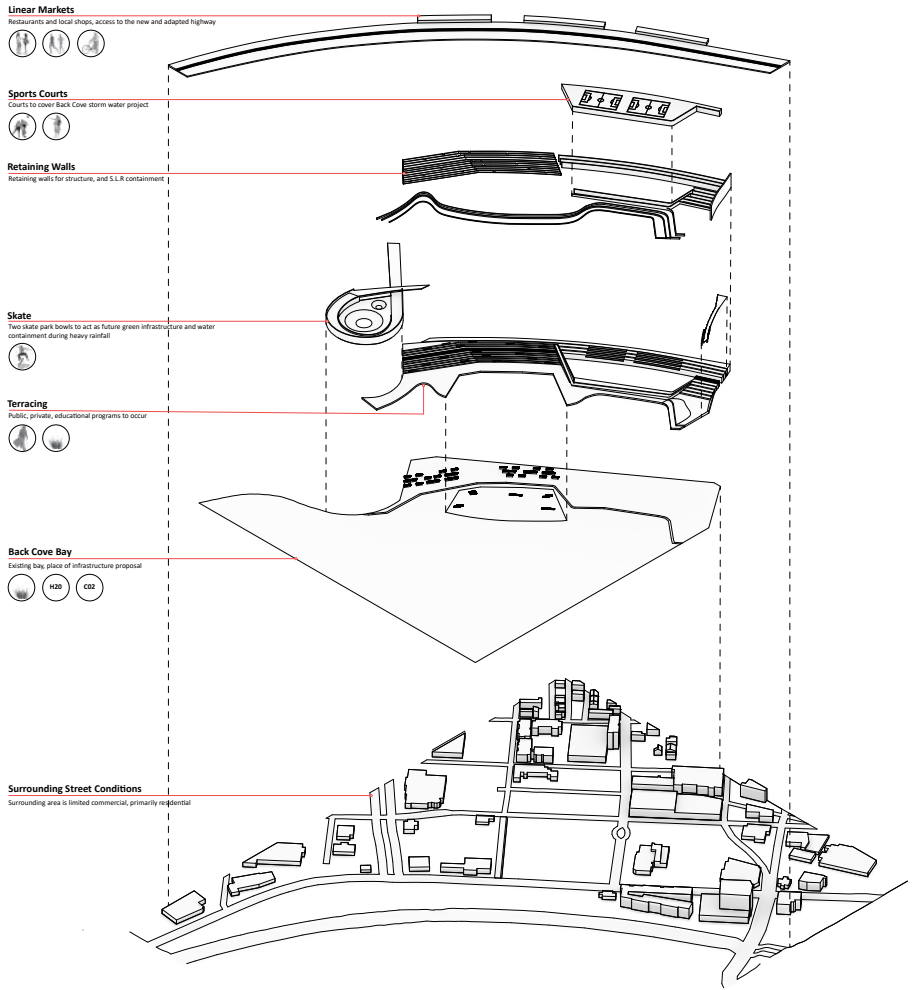
Program: Innovate City Design for Rising Sea Levels

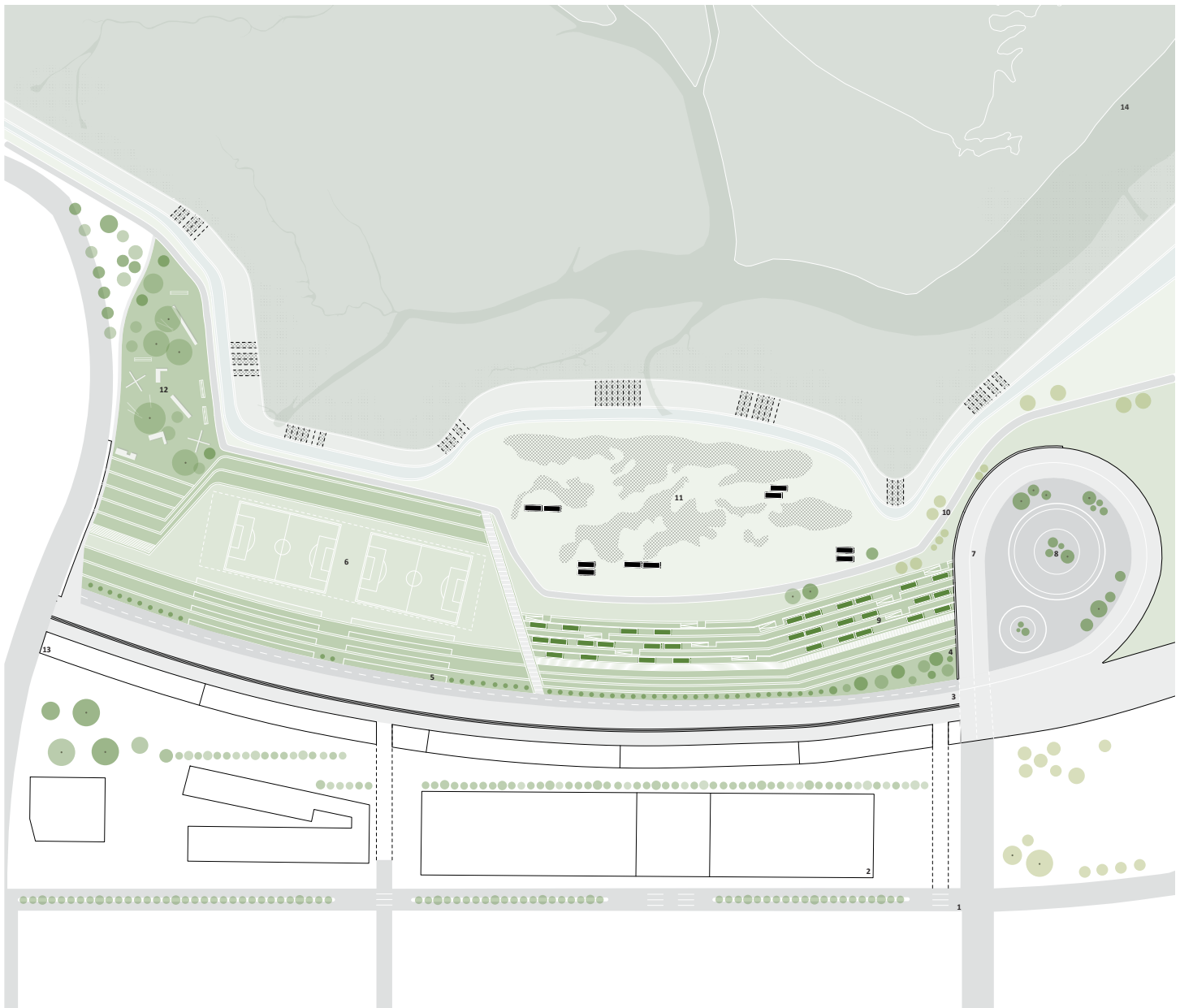
Professor: Kristine Stiphany & Jason Sowell

Partner: Julia Ferone

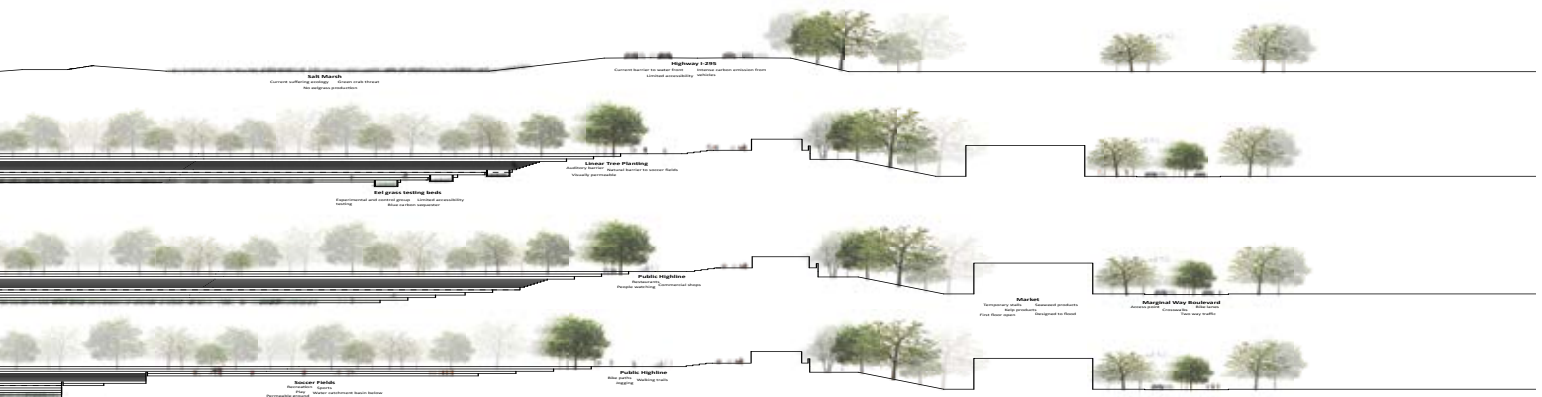
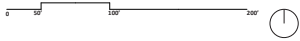
Second Year Graduate School
Fall 2024

Our vision of resilience for Portland took place in the Back Cove. A forgotten part of the city with high rates of vacancy and abandonment. After comparing this edge of the city to the opposing working water front we set a goal to bring back life to the Back Cove through new commerce and housing while building the coasts resilience to future flooding.



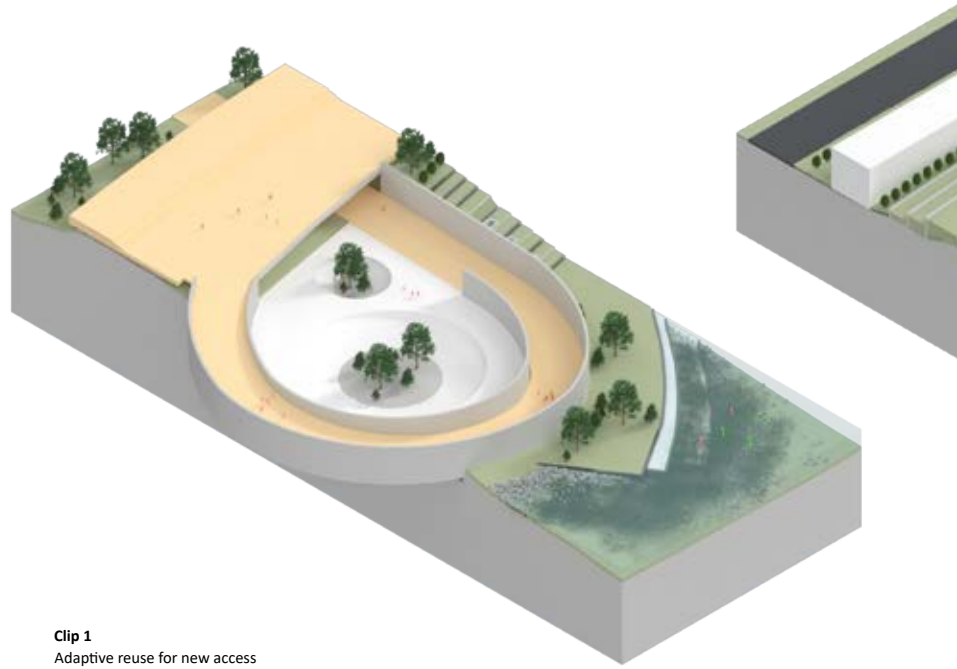


- 1 - Marginal Way turned Boulevard
- 2 - Proposed commercial market stalls
- 3 - New proposed waterfront
- 4 - Vegetation berm safety and auditory barrier
- 5 - Landscape, terraced seating
- 6 - Soccer Courts
- 7 - Ramp on to new proposed waterfront
- 8 - Skate Park
- 9 - Eel Grass testing bed terrace
- 10 - Existing Back Cove Bay Trail
- 11 - Existing salt marsh
- 12 - Pocket Green space
- 13 - Restaurants and shops
- 14 - CSO Outfall Channels



Envision Resilience

Our three phase plan works along to predicted rising sea levels of 2030, 2050, 2090, expecting an end result of 8' 8" of increase in sea level. We propose the removal of the I-295 highway on and off ramps, to be repurposed for safer pedestrian movement while recentering neighborhood travel around local business. The public water front will be redesigned as green terraces with functional break walls for flood resistance and recreational spaces along the preserved existing salt marsh. The terraces will house Eel & Sea grass growing basins in paired control groups for the local research foundation to farther their reseeded efforts in the Back Cove. This effort will improve the ecology and water quality in the Back Cove which is historically Wpolluted by industry and flooding. In the End the Highway will be entirely repurposed by the pedestrians as the new water front, pushing the city to public transport and redefining how the community experiences their city. The Boulevard will create jobs and commerce for the neighborhood and new housing built along the newly established water front.

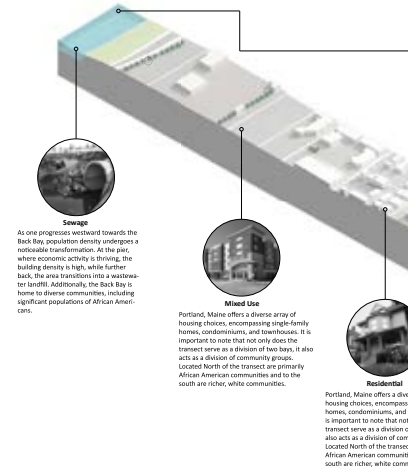
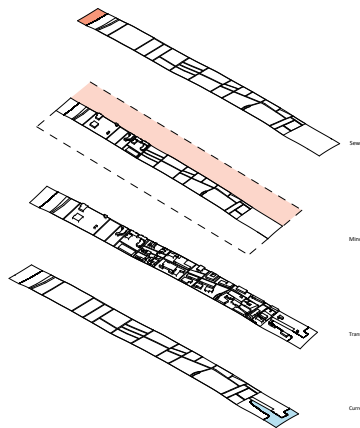


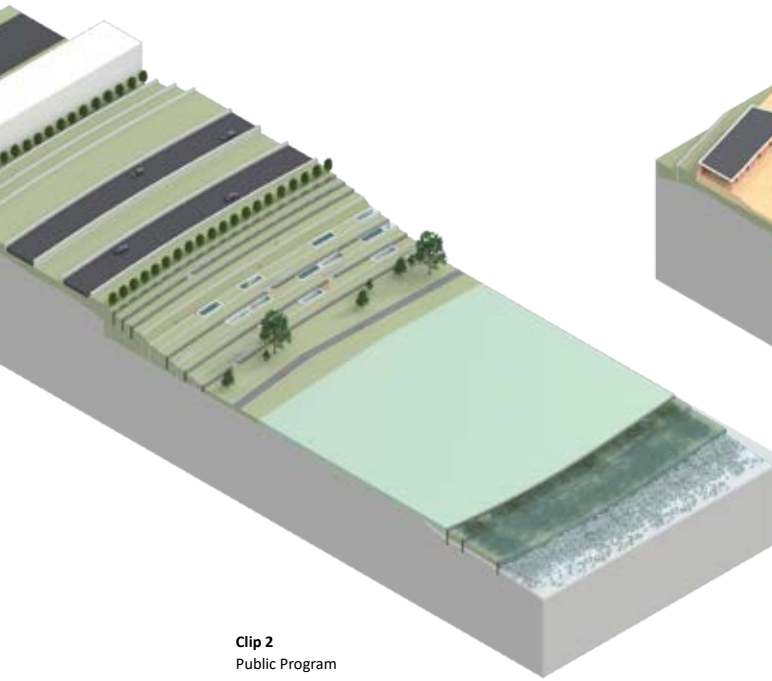
Clip 1
Adaptive reuse for new access



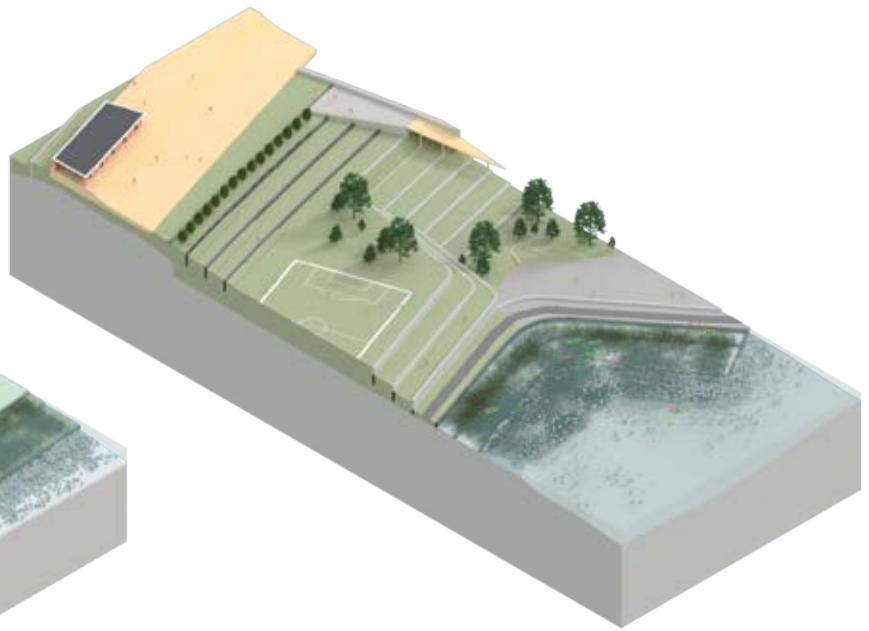
Public Highline
Restaurants
People watching
Running
Biking
Commercial shops
Dog Walking

In the Casco Bay watershed, sewer systems built up until the mid-twentieth century often used pipes that combined sewage with rainwater and discharged this mixture directly into nearby waters. Although these pipes are usually rerouted to wastewater treatment plants today, heavy rainfall can still overwhelm the system's capacity or the plant itself. When this happens, the overflow—complete with pollution—is discharged straight into water bodies. To address this issue, combined sewer overflows (CSOs) are regulated, and municipalities are mandated to take steps to reduce these discharges.





Clip 2
Public Program



Clip 3
Recreation

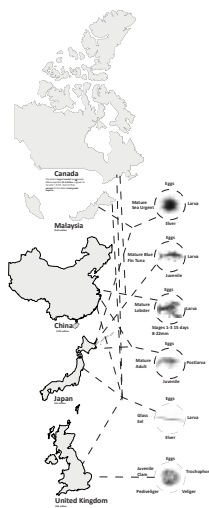
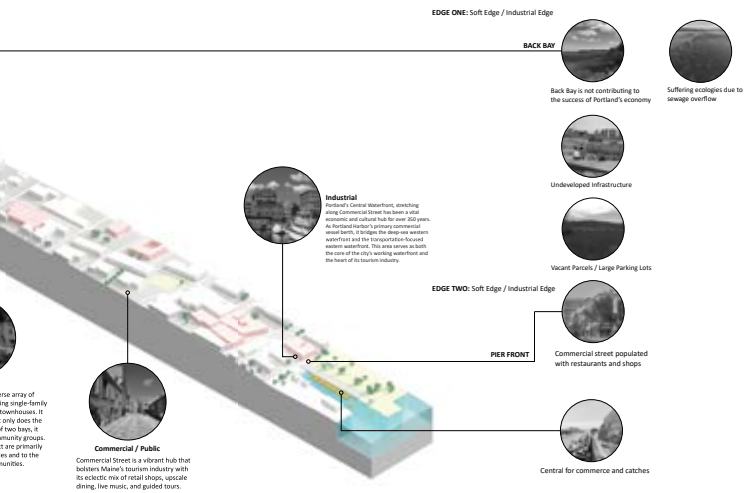


Eel grass planting terraces

Blue carbon sequester
Burial Sack Testing
Protection from invasive species
Current green crab threat

Salt Marsh

Habitat Existing ecology
Preserving ecology




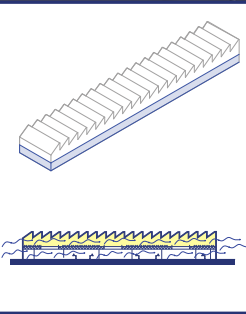
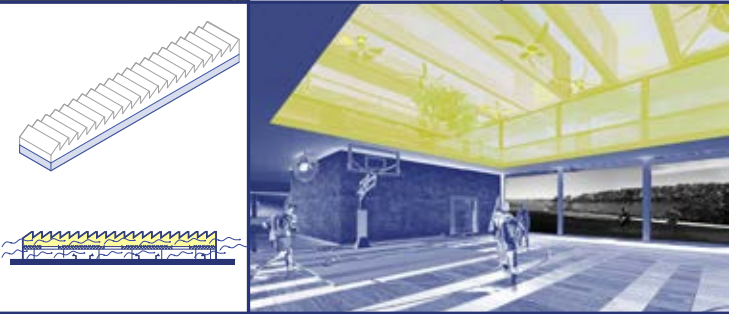
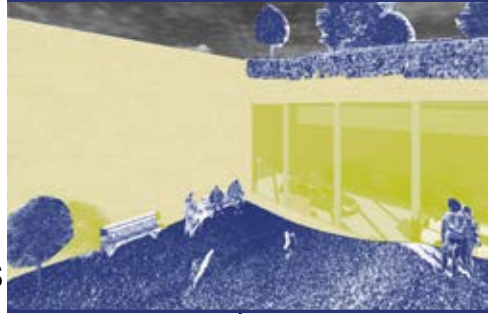
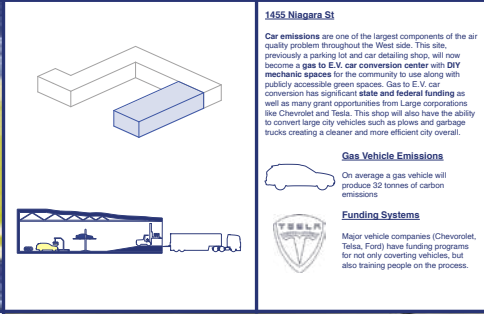
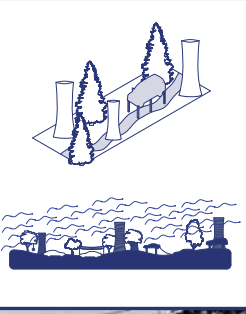



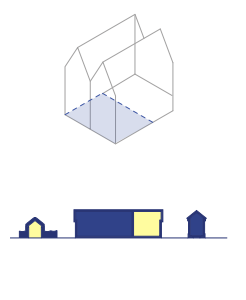

Breathable Buffalo

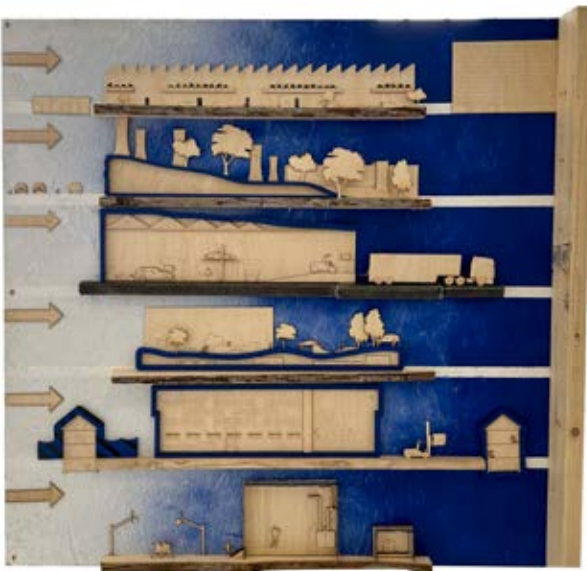
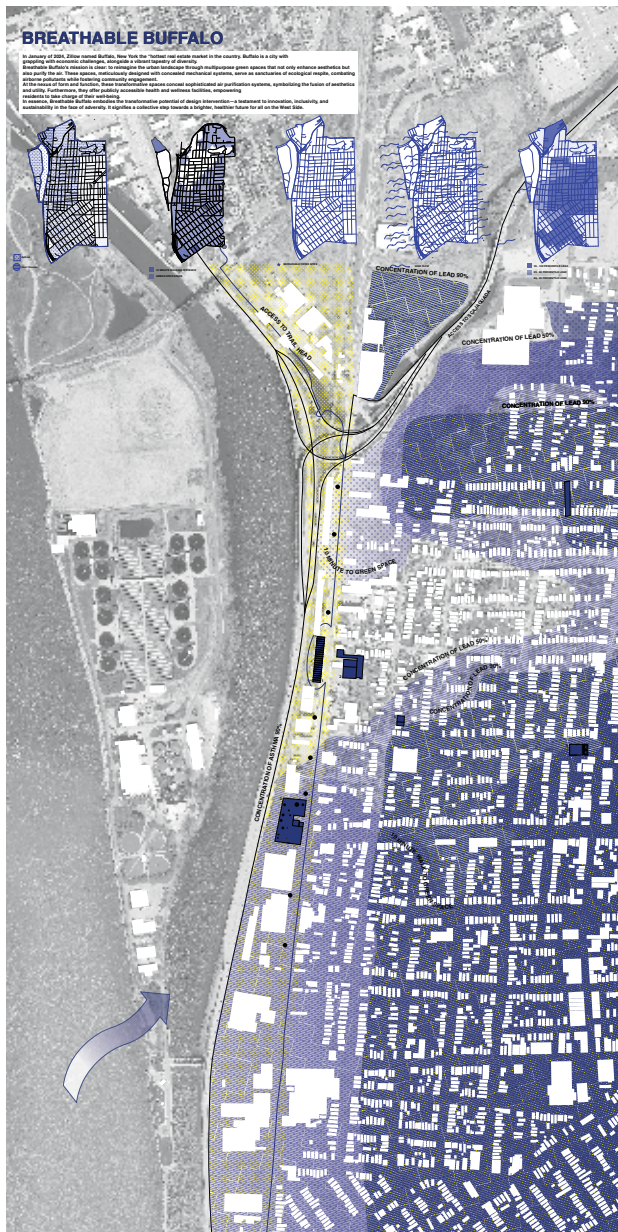
Location: Buffalo, NY
 Program: Community Spaces with Hidden Clean Air Infrastructure
 Professor: Kearon Roy Taylor
 Partner: Julia Ferone
 First Year Graduate School
 Spring 2024

Breathable Buffalo is based on the idea of repurposing wasted vacant lots around a city. Our system worked around air quality on the West side of Buffalo, NY along expressway I-90. We created multiple programs of public infrastructure (Park, Playground, Community Sports Space) that reclaimed vacant lots for the community, while also having hidden programs of air quality control. The parks have sculptures that are passive air cleaning towers. The indoor track and sports green house passively cycles air through solar powered fans into the plants cleaning it in the process. One program replicates a Buffalo double in form but is made of perforated steel acting as a public gazebo and event area while doubling as a passive air cleaning tower.

Breathable Buffalo is a statement to the fact that money and big business has corrupted our cities and our freedom to use our land to help our communities.

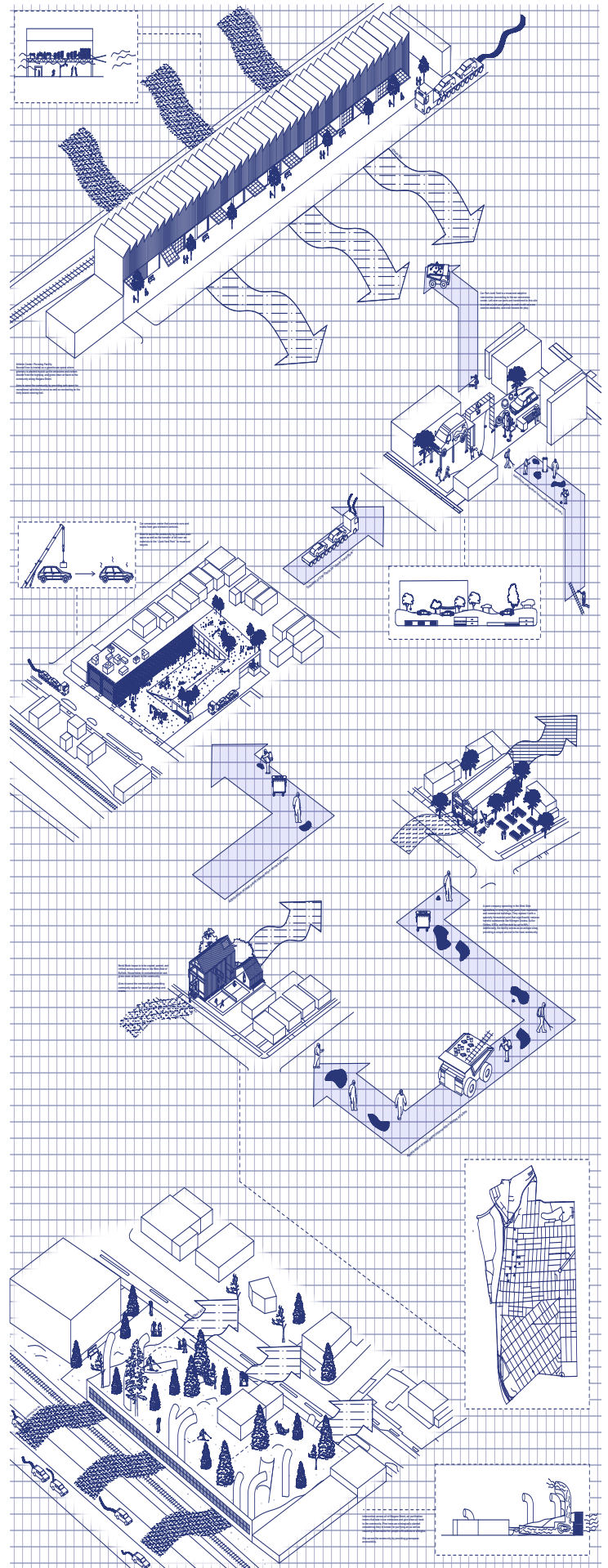
COMMUNITY PERSPECTIVES

	<p>1318 Niagara St</p> <p>This site was selected for its immediate adjacency to the I-190 and the mass scale of the site as a vacant property. The site faces the landscape to view past the eye sore of a highway and recapture the waterfront for the community. Primary a functioning green space for the community this site also functions as a green sound barrier and the base for the passive air purifying towers that will systematically be placed along Niagara Street to create an initial "green wall" between the car emissions and the residents of the West Side.</p> <p>Trees Trees absorb on average 48 lbs of CO2 per year. Conifers known for absorbing the most CO2</p> <p>VERTO Air Purification Tower VERTO absorbs on average 100,000 lbs of CO2 per year</p>
<p>1480 Niagara St</p> <p>The final Niagara Street site is a reclamation of what is currently a large parking lot and gas station. This site has immediate adjacency to the I-190 and will become part of the Linky Island walking trail. The primary function of the building is to reclaim the urban waterfront as a sports and activities center for the community consisting of sports courts and seating/gathering spaces. The secondary program is a communal green house that works to purify the air in and around the building while providing fresh food and goods to the residents of the West side.</p> <p>Weekly Exercise 150 minutes of exercise or more each week on average extends a persons life by 7 years</p> <p>Outdoor activity Studies show being in nature can reduce cortisol levels, muscle tension, and the cardiovascular system. Along with physical benefits outdoor activity has a massive affect on mental health.</p> 	
	<p>1455 Niagara St</p> <p>Car emissions are one of the largest components of the air quality problem throughout the West side. This site, previously a parking lot and car detailing shop, will now become a gas to E.V. car conversion center with DIY mechanic spaces for the community to use along with publicly accessible green spaces. Gas to E.V. car conversion has significant state and federal funding as well as many grant opportunities from Large corporations like Chevrolet and Tesla. This shop will also have the ability to convert large city vehicles such as buses and garbage trucks creating a cleaner and more efficient city overall.</p> <p>Gas Vehicle Emissions On average a gas vehicle will produce 30 tonnes of carbon emissions</p> <p>Funding Systems Major vehicle companies (Chevrolet, Tesla, Ford) have funding programs for not only covering vehicles, but also training people on the process.</p> 
<p>210 Forest Ave</p> <p>The Northwest end of the West side lacks access to public parks and areas of green space. This site is along the side of the local fire department, as well as thorough way from Forest Ave to Pooley Place creating a safe and more efficient access path to emergency services while making green spaces and a play ground for the local community to access. Hidden within the site are passive air purification systems to bring the site into the larger urban program of the project.</p> <p>VERTO Air Purification Tower VERTO absorbs on average 100,000 lbs of CO2 per year</p> <p>Outdoor activity Studies show being in nature can reduce cortisol levels, muscle tension, and the cardiovascular system. Along with physical benefits outdoor activity has a massive affect on mental health.</p> 	
	<p>1185 West Ave</p> <p>This site is the base for a system of false facade buffalo doubles made entirely of perforated metal. Based on the passive air purification towers these fake buffalo doubles would function primarily as public gathering spaces for whatever the community can imagine, yard sales, barbeque's, fund raisers, etc. The sites secondary function is the act as an air purifying system with passive cleaning units concealed in the rear of the structure. This is a repeatable typology that would be implemented throughout various vacant sites across Buffalo to expand the urban air quality systems into the city.</p> <p>VERTO Air Purification Tower VERTO absorbs on average 100,000 lbs of CO2 per year</p> <p>Weekly Exercise 150 minutes of exercise or more each week on average extends a persons life by 7 years</p> 
<p>225 West Delevan Ave</p> <p>Lead is an issue throughout the West side. This site acts as an outlet for city funded lead removal in Buffalo. The city has funds set aside for lead removal but lacks the ability to prioritize the removal system. The building appears as two buffalo doubles that have been made into stores fronts which is common practice with many other buffalo homes. However, this structure functions as the entire lead removal process. First the rear of the building focuses on removing and disposing of the hazardous material. Then the front of the structure functions as a paint and material supply store selling AirLife air purifying paint and the reclaimed antique materials and goods that come out alongside the lead removal process. This program will not only combat the lead issues, but employ air purifying systems to further the health benefits of the home.</p> <p>Lead Poisoning Lead Poisoning can cause damage to the brain, vital organs, and nerves. (The whole body)</p> <p>AirLife Paint AirLife Paint works in the same way as trees to eliminate 90% of harmful pollutants and particles in the air</p> 	

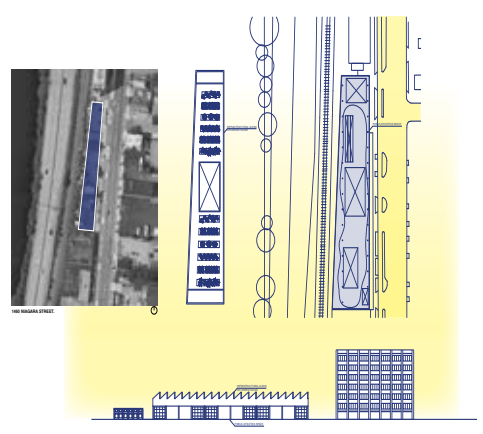


Breathable Buffalo

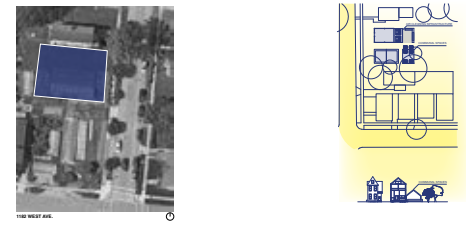
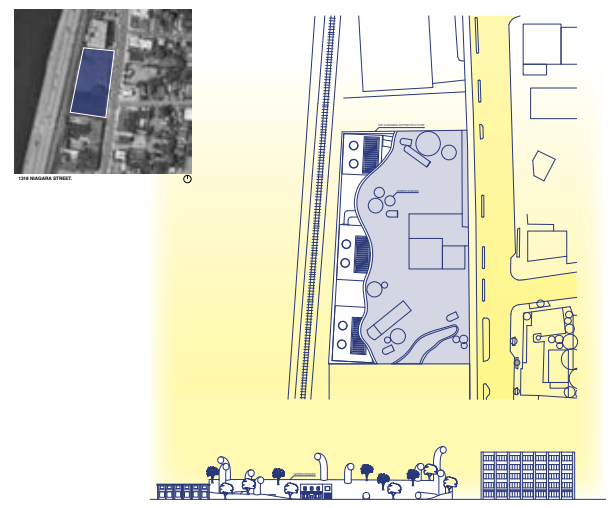
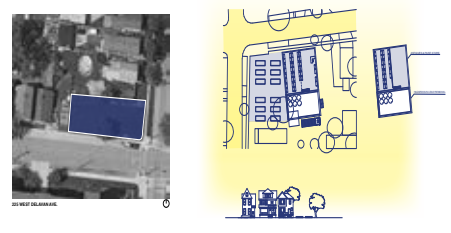
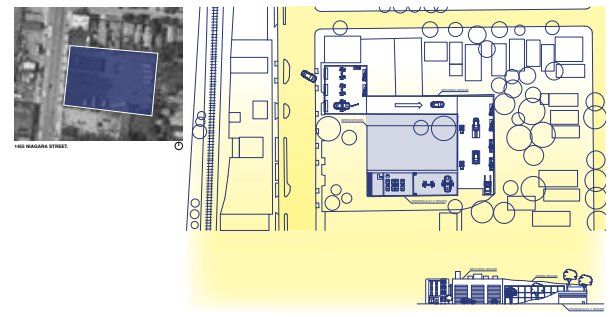
Many of our programs worked together as shown in the Hero Axon connections drawing. The gas to electric car conversion shop hosted public mechanic classes for the lower income community while using the leftover scrap to build play equipment our sculpture garden program. These air painted with Airlite air cleaning paint from the last program. This is a local paint and repurposed home hardware store that specializes in lead paint removal. While improving the lead paint issues throughout the community they are also repainting the homes with the Air cleansing Airlite Paint. Lead paint removal is also a government paid for process that the City of Buffalo is years behind on allowing the program to function through government funds for community health improvement.



PLANS & ELEVATIONS



PLANS & ELEVATIONS



Branching Transit

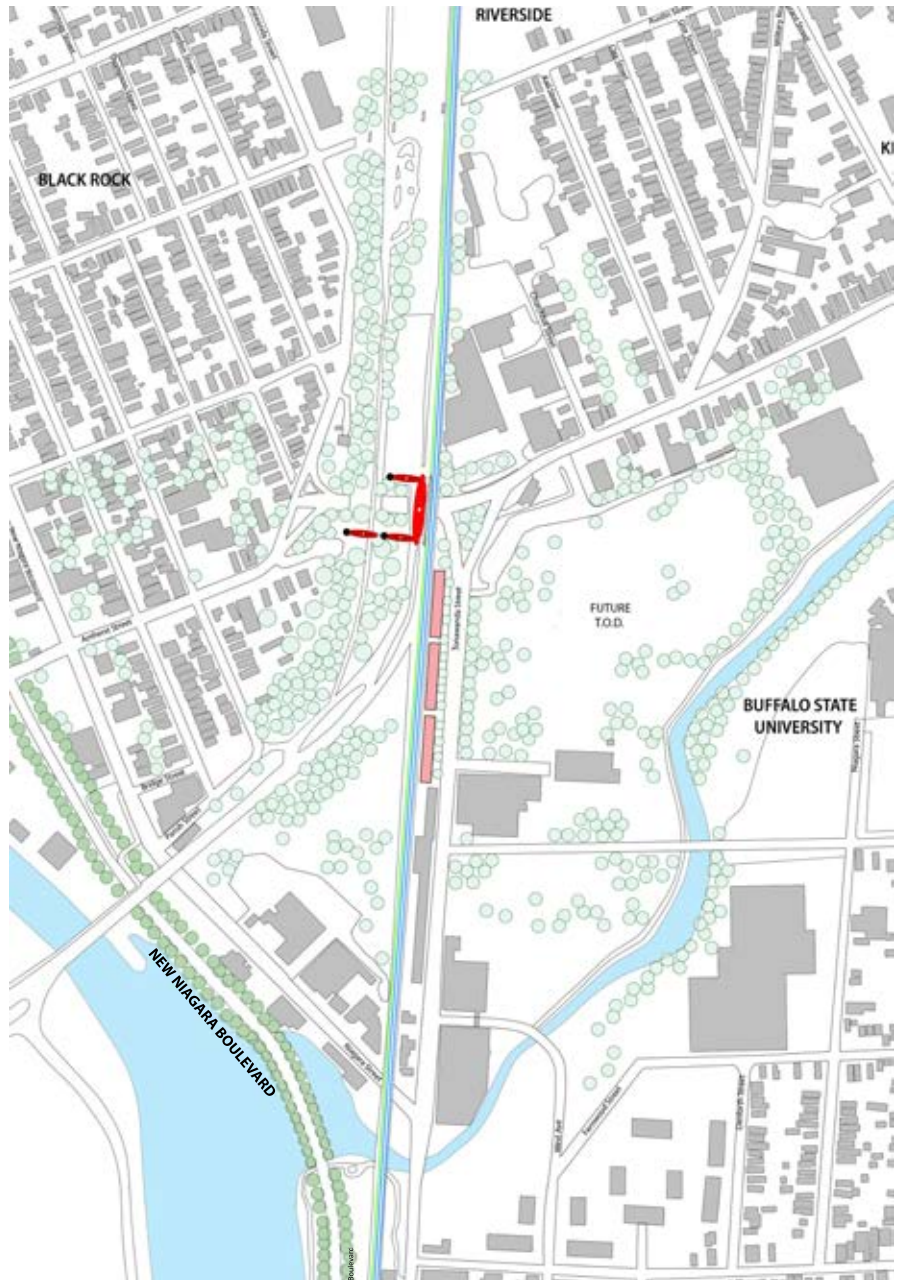
Location: Buffalo, NY

Program: LRRT Station Along the
Newly Proposed Buffalo Metro
System in Black Rock

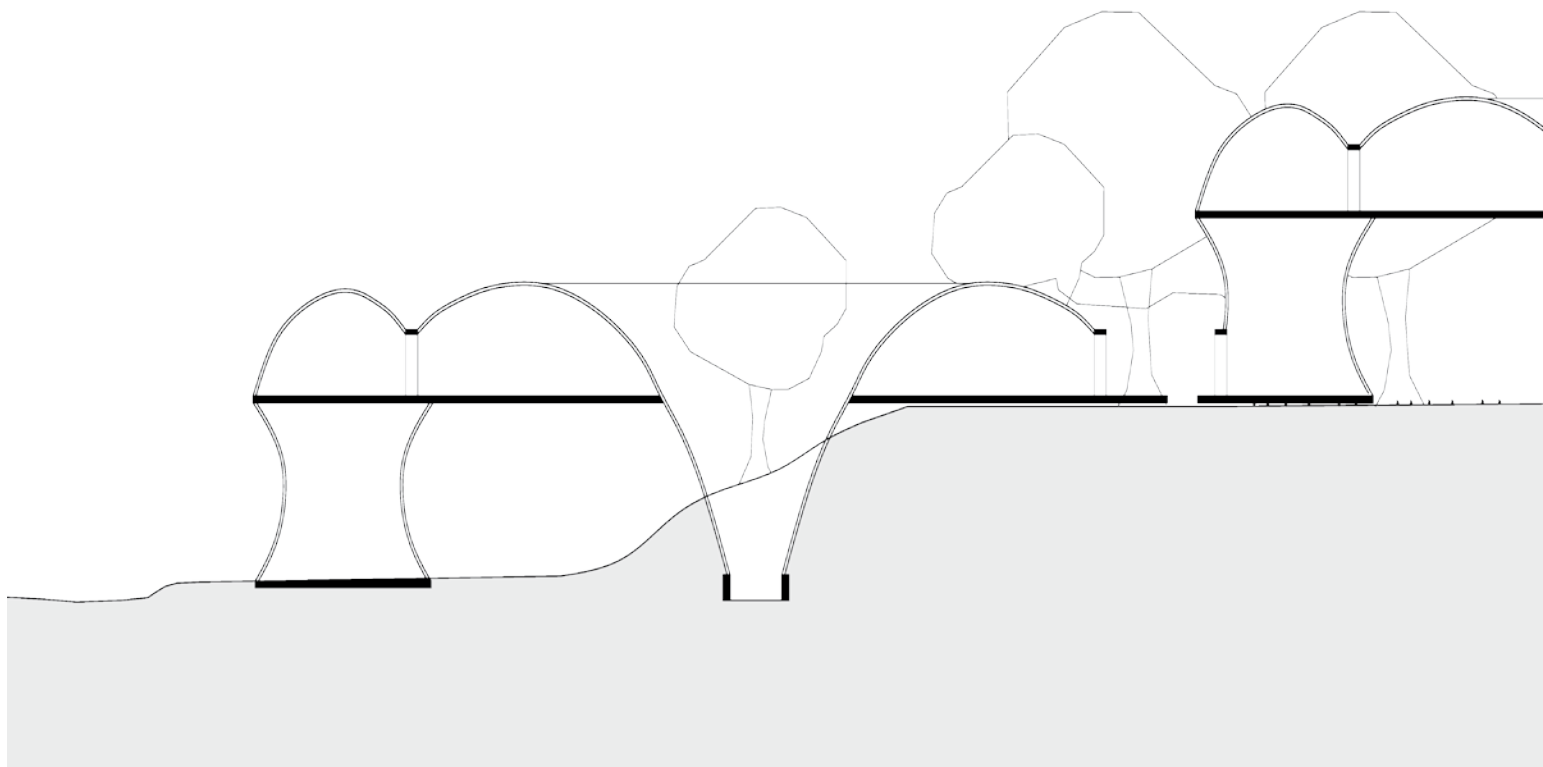
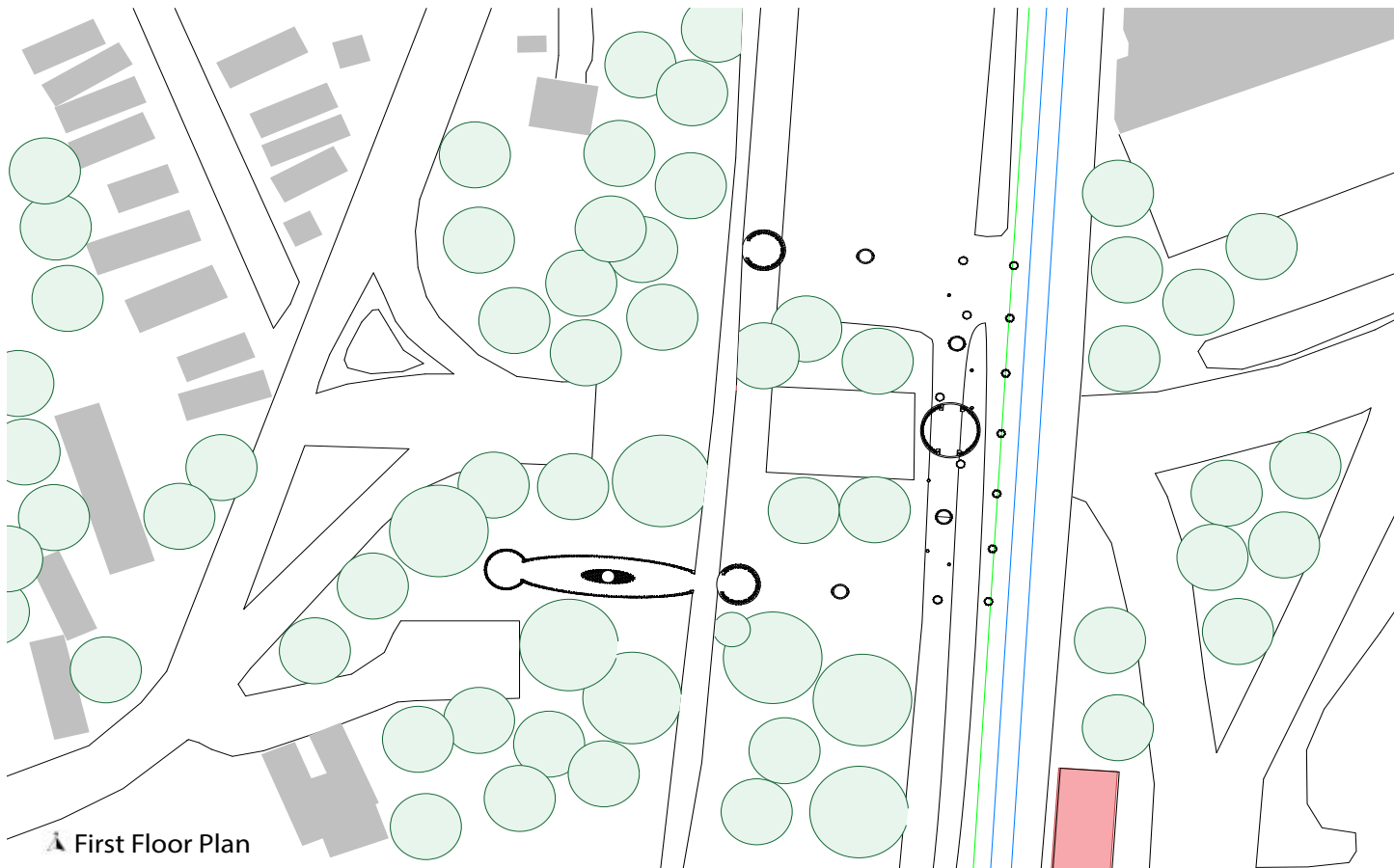
Professor: Bradley Wales

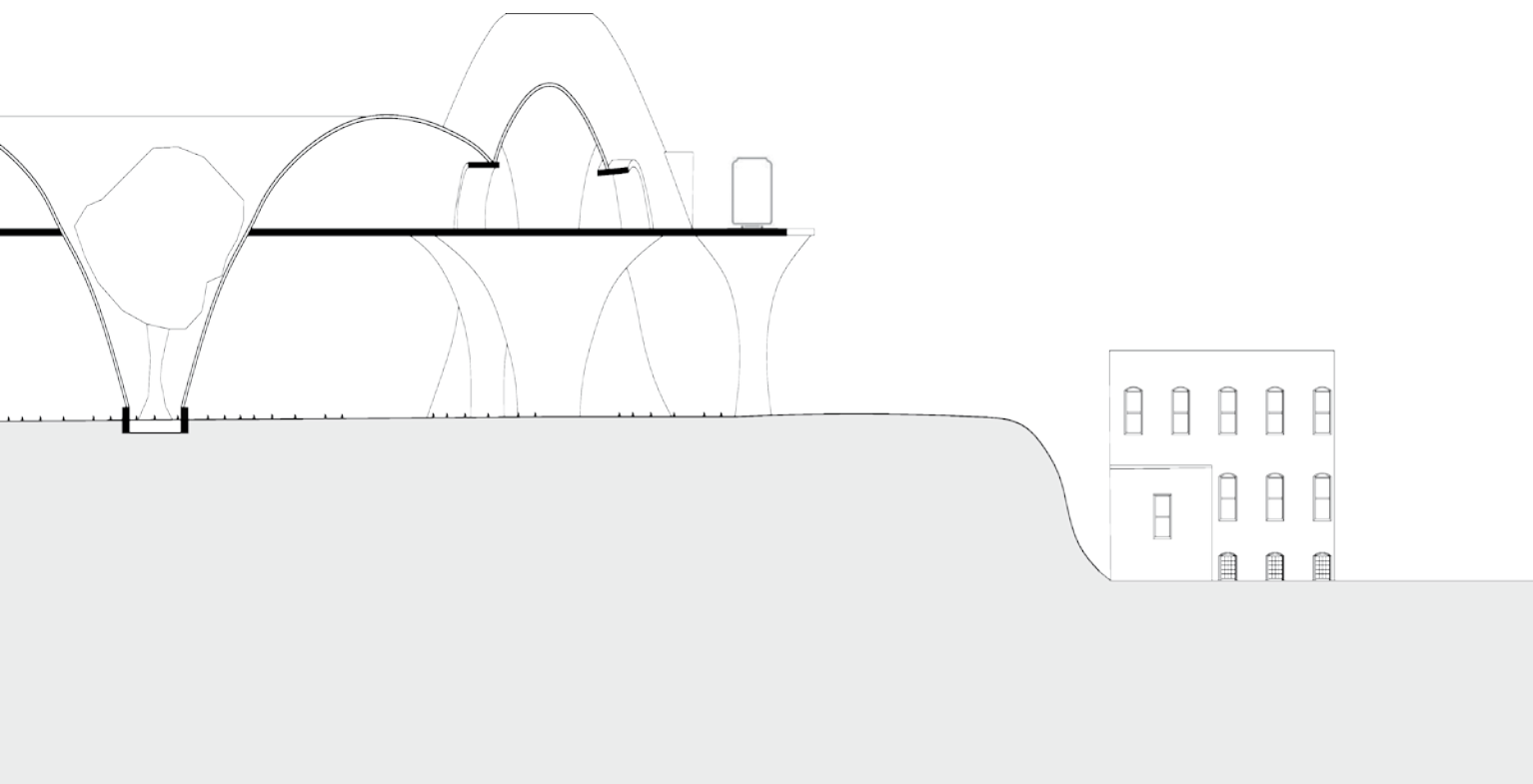
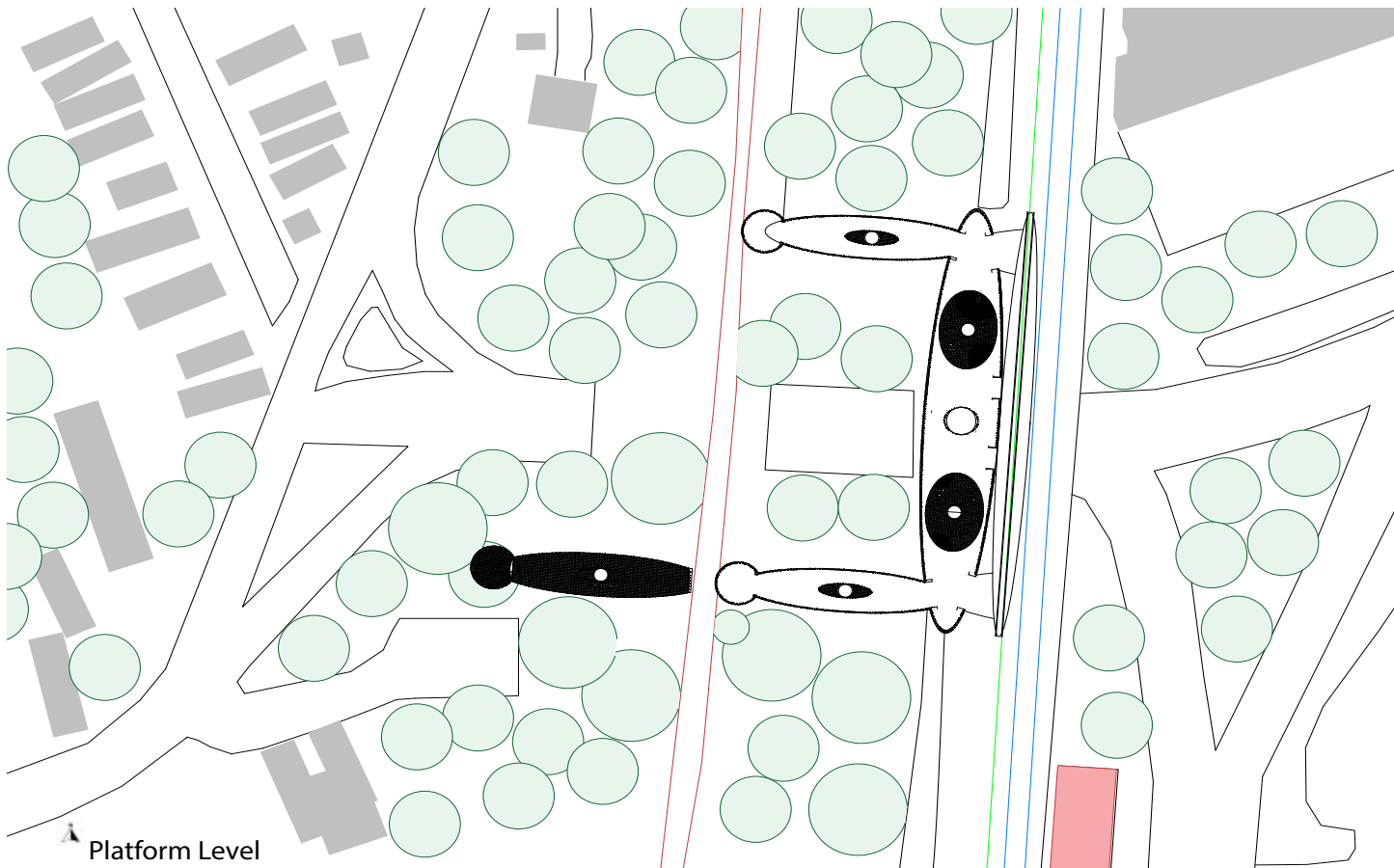
Second Year Graduate School Fall
2024

Branching Transit Is an elevated light rail rapid transit station located on the edge of city, connecting with BlackRock. The Black Rock Community makes sure to take care of the environment within it as they know the commodity they have. I want to keep that connection with nature creating my stations form from the trunk and canopy of a tree, the columns a forest for pedestrian to trail through, the canopy enclosing the platform above for the commuter to inhabit. This station is a connection point for jobs and commerce between Black Rock and the City of Buffalo, meant to be a space to









Ground Works Market Garden

Location: 1698 Genesee St.

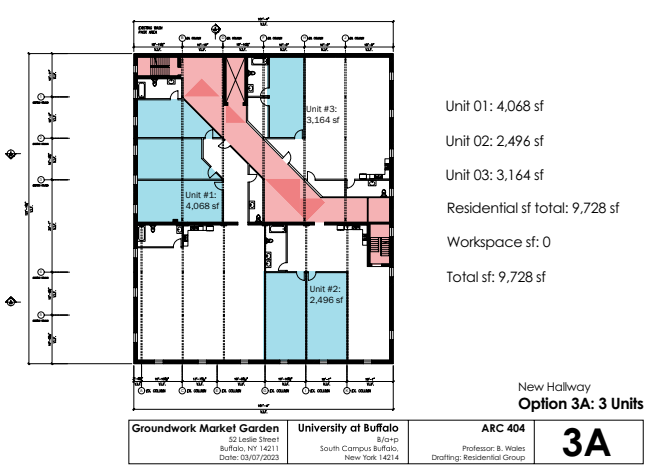
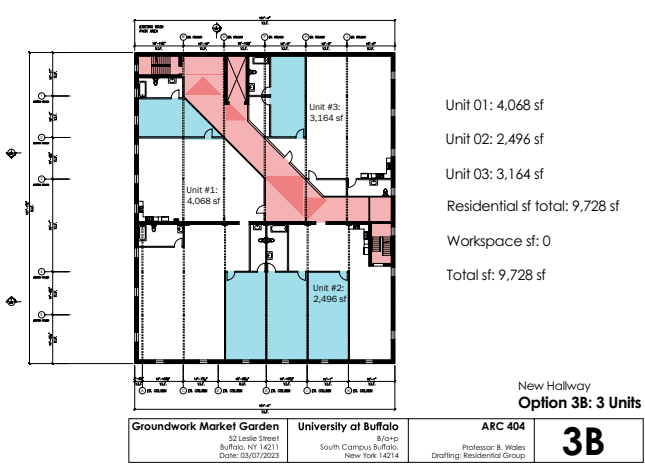
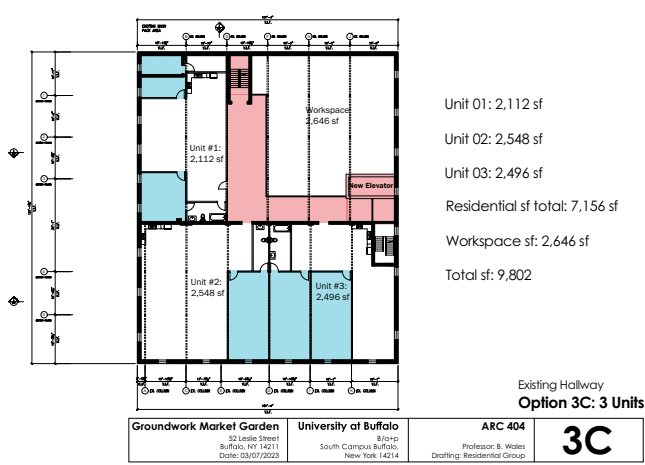
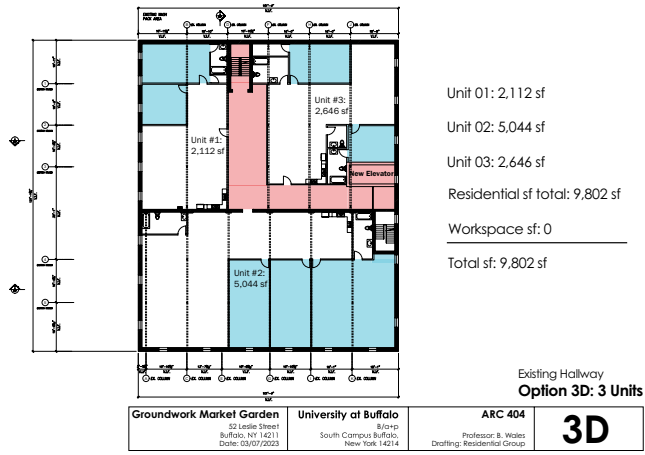
Buffalo, NY

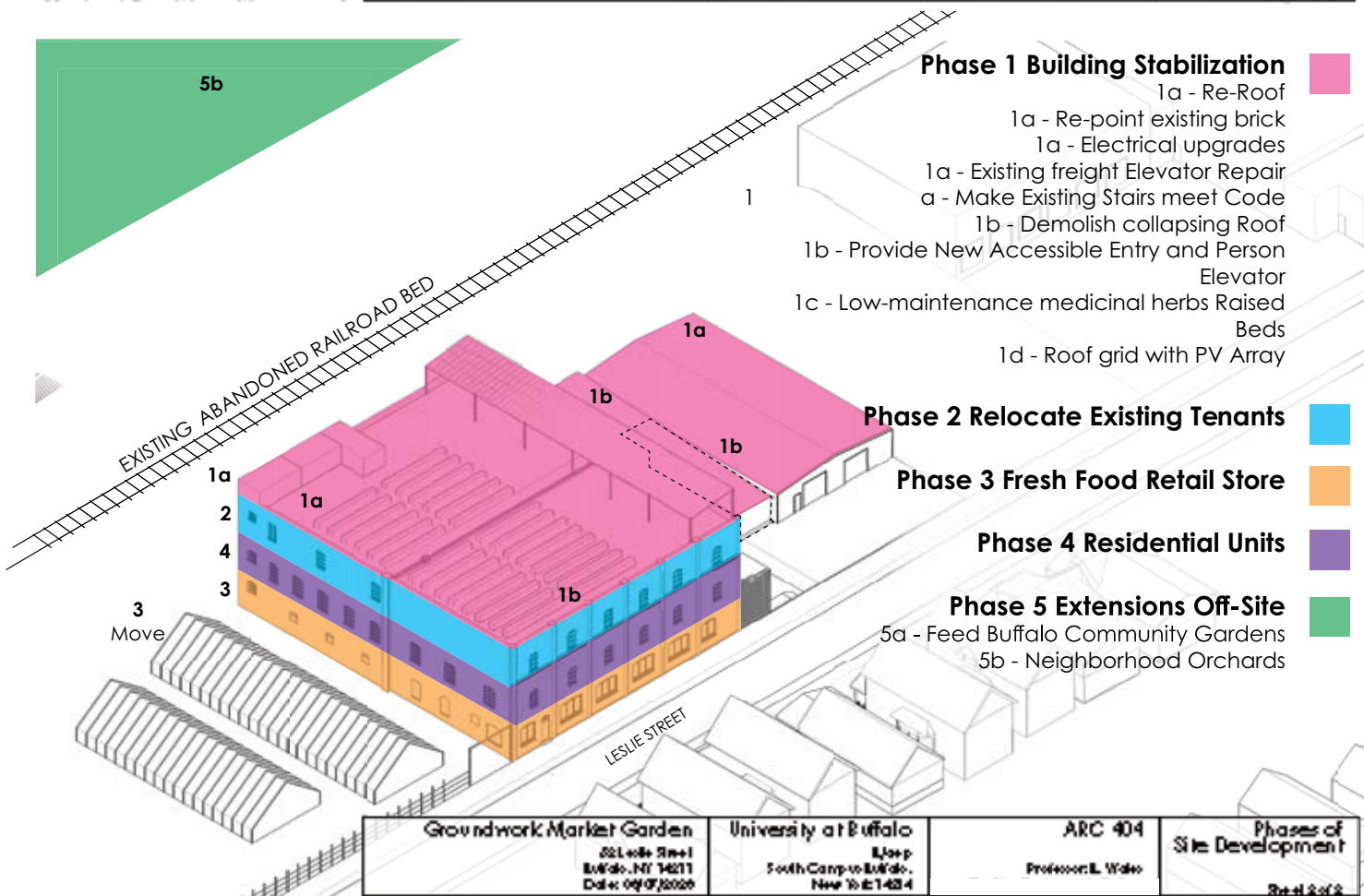
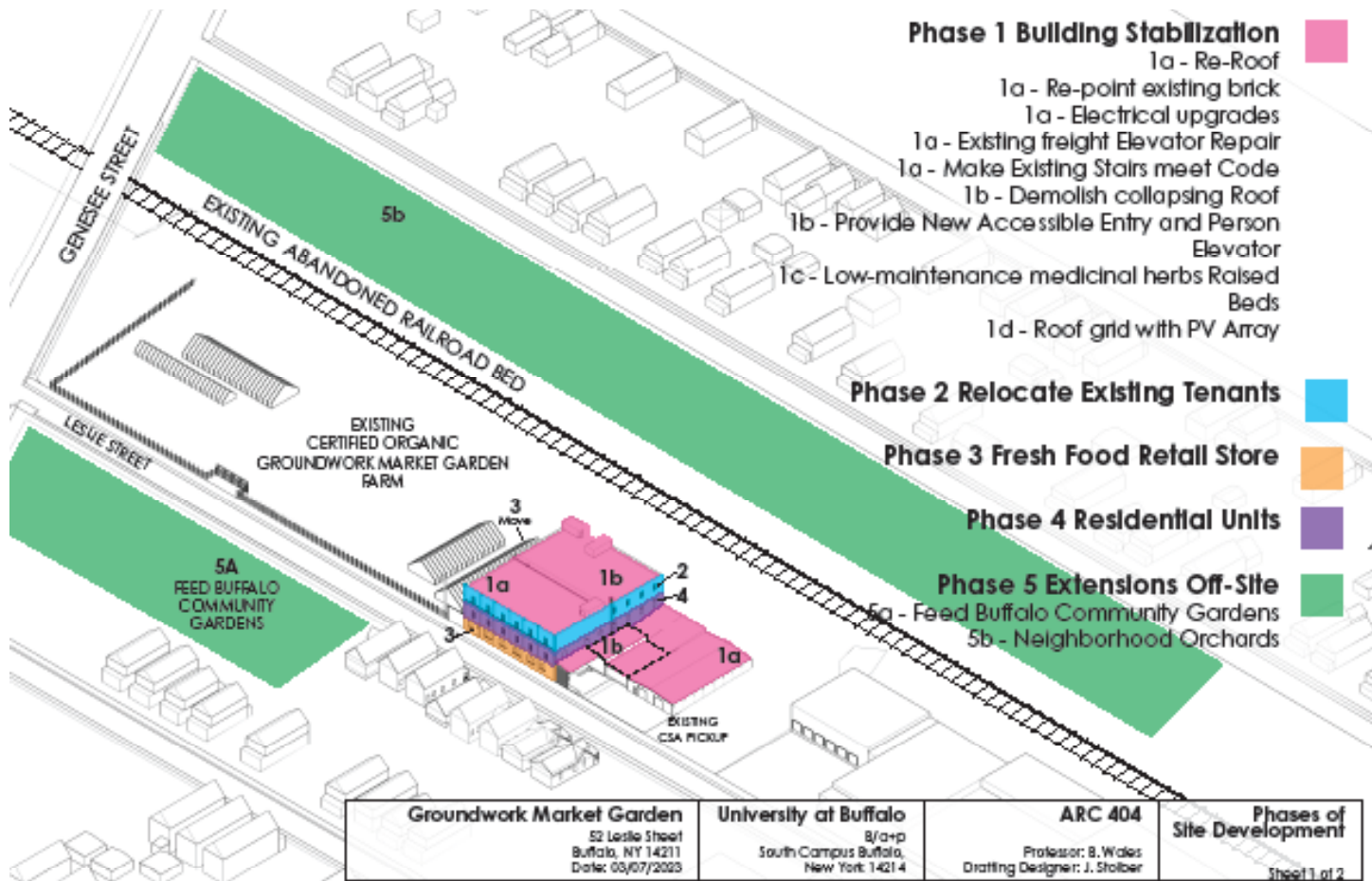
Program: Public Farm Market and Store Front

Professor: Bradley Wales

Senior Fall-Spring 2023-2024

The Ground Works Market Garden is a non-profit certified organic public farm in East Buffalo. GWMG runs a weekly CSA (Community supported agriculture) pick up and is looking for grants to expand into the large building currently on the site. The Project began by creating a full set of working drawings for the building and creating a full phased plan for future development of the site and the structure. We were tasked with creating new ground floor plans with the intent of creating a fully functioning retail market and food processing station. With this we developed residential options for the upper floors of the building with variations from 2-5 apartments and incorporated work spaces.





Ground Works Market Garden

The GWMG retail store creates a street presence that extends all the way to the main road without taking away from the rustic and historical significance of the factory building. The addition not only creates a retail space with a close street presence for GWMG, but also makes a connection between the structure and the farm that will take the customers into the process that puts the fresh goods on their tables. This space is meant to bring a new source of fresh food to East Buffalo which is currently suffering and healing from the horrific acts that took place at tops market, the only current fresh food source in the area. This market is the first steps in bringing life back to East Buffalo in a way that involves the neighborhood and residents of the community.





Groundwork Market Garden 1698 Genesee Street, Buffalo, NY 14203 PROPOSED RETAIL SPACE 100 Leslie Street Buffalo, New York 14211	University at Buffalo B/O+D DRAWING DESIGNERS: James Dam HIGGINS HALL South Campus BUFFALO, New York 14214	A R T	BRAD WALES I C H 143 Allen St., Buffalo, NY 14203 716.360.7653 bradwales@buffalo.edu
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Structures III

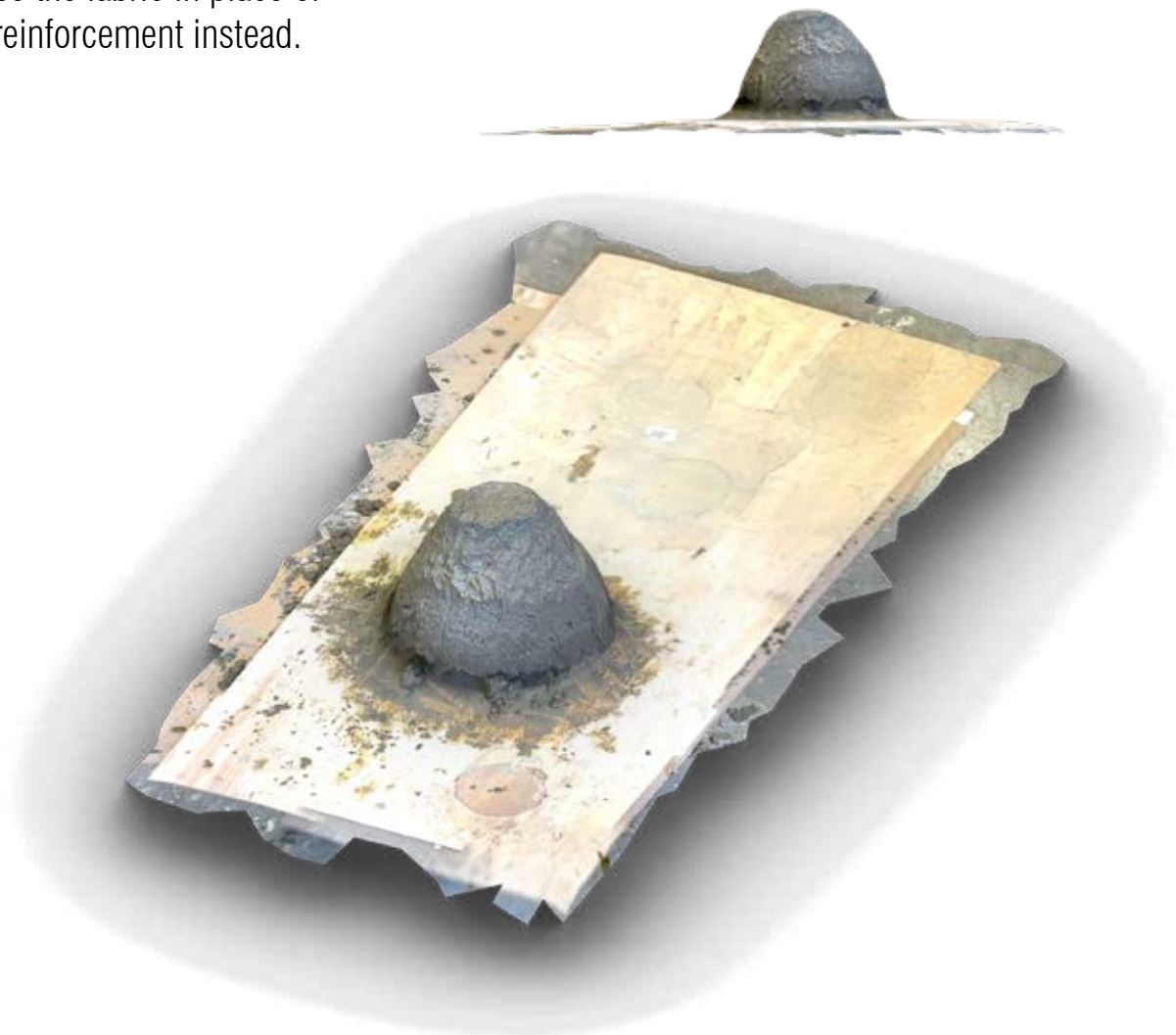
Location: Buffalo, NY

Program: Construct a Fabric Based
Concrete Form

Professor: Christopher Romano

First Year Graduate School Fall 2023

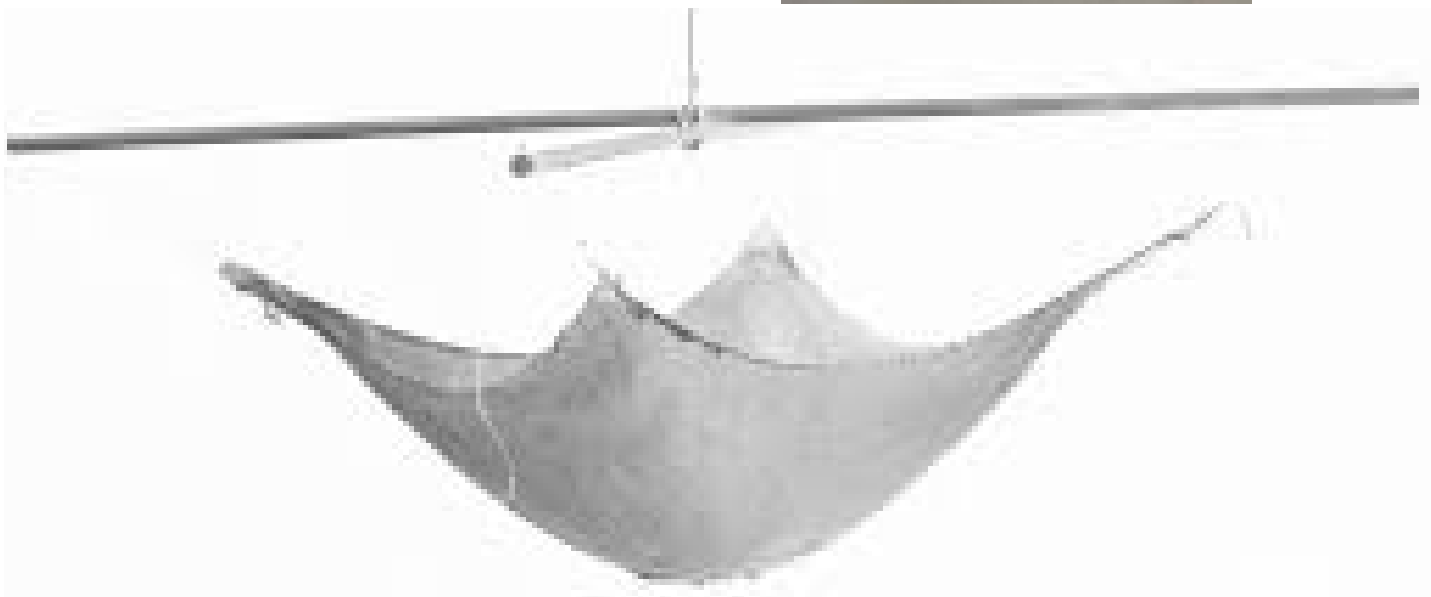
Structures III required us to learn the ins and outs of concrete. Studying aggregate mixes, slump testing, and working with rebar framing for beams and columns. We used 3D scanning to document and better understand the process before designing any structure. We were then tasked with building a concrete form using fabric as a casting form. However I decided to use the fabric in place of the rebar as reinforcement instead.





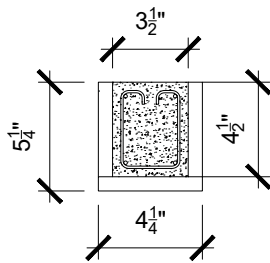
Structures III

I had the idea of dipping burlap in liquid concrete and soaking it similar to paper mache. I tested different aggregate consistencies and found that it did make a solid service if there was only concrete powder and water in the mix, no other aggregate. I then created the shell shape for the base of the form as it would create the strongest shape while evenly distributing the weight of the concrete mix as the form was hung from the ceiling. By hanging the cast is allowed the liquid concrete to drip from the top to the base making the top quite thin 1/4" and the base close to 1" just as a column is designed with a thicker base. The form stood 9 feet tall and housed a full size adult. Unbelievably the only rebar in the entire project is the top and bottom rings, no other reinforcement and no aggregate. Just burlap and concrete powder.

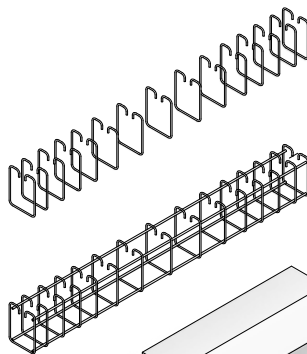




WIRE WRAP
3/16" A36 Steel Rod, wrapped with 1/8" ER 7052

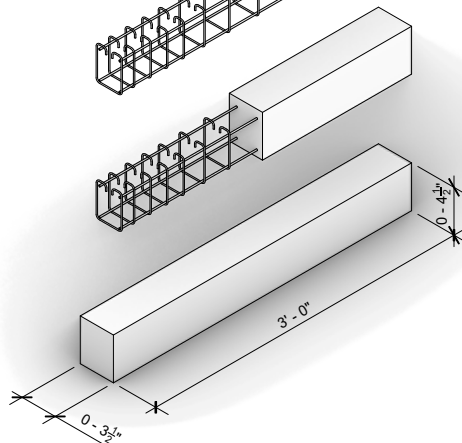


FORMWORK
3/4" Birch Wood Form

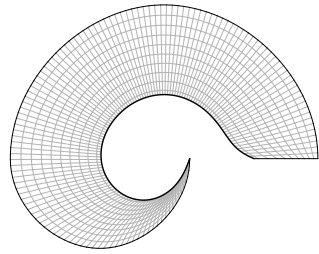


STIRRUPS
Stirrups spaced 1.5", 2", 2.5", 3", 3.5" apart and mirrored when it reaches the middle.

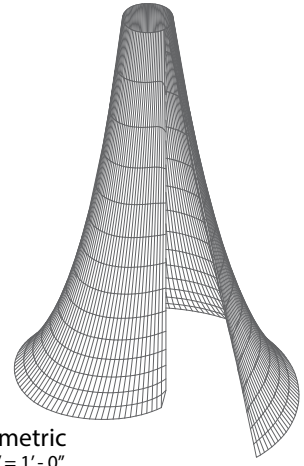
CAGE ASSEMBLY
3/16" A36 Steel Rod, wrapped with 1/8" ER 7052



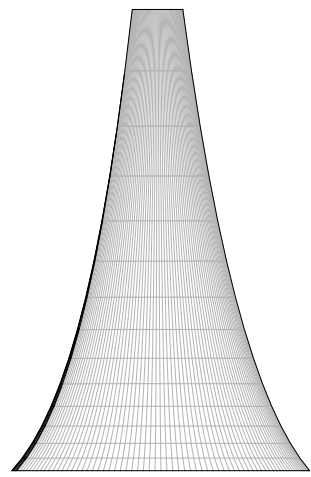
CONCRETE BEAM
Block Dimension: 3.5' x 4.5" x 36"
Mix Ratio:
Cement: 256 oz.
Gravel: 768 oz.
Sand: 512 oz.



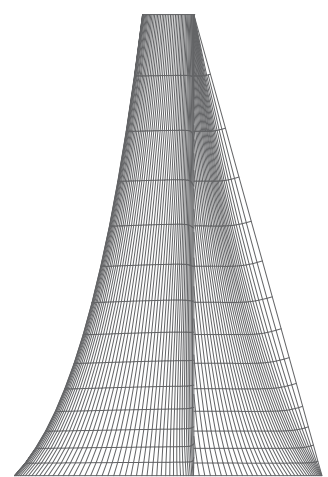
Plan
1/2" = 1'-0"



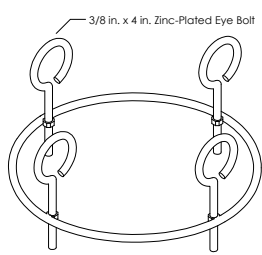
Isometric
1/2" = 1'-0"



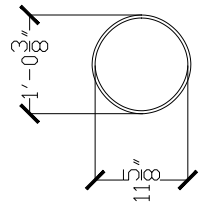
Section
1/2" = 1'-0"



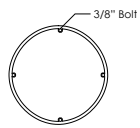
Elevation
1/2" = 1'-0"



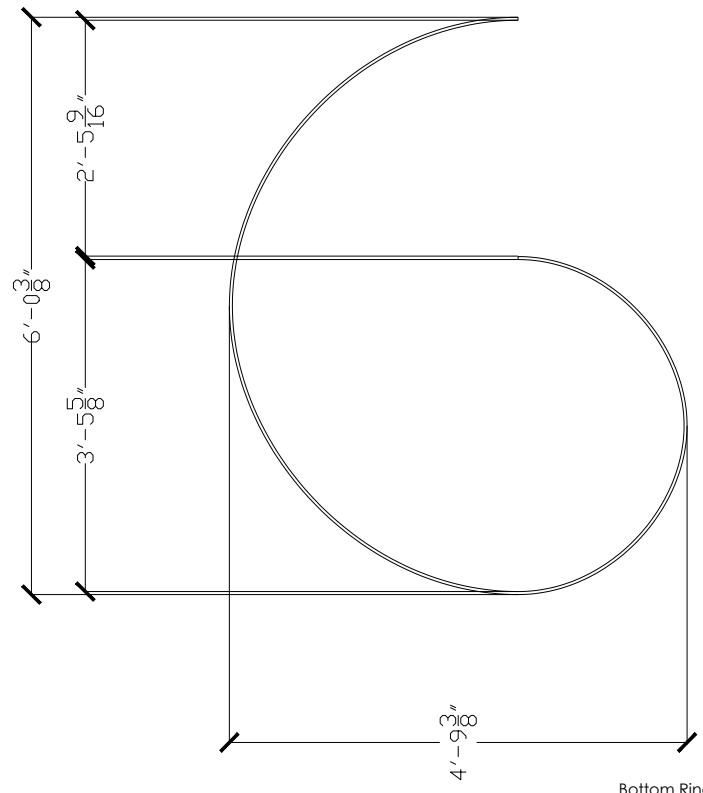
Top Ring Isometric
w/ 3/8 in. x 4 in. Zinc-Plated Eye Bolt with Nut



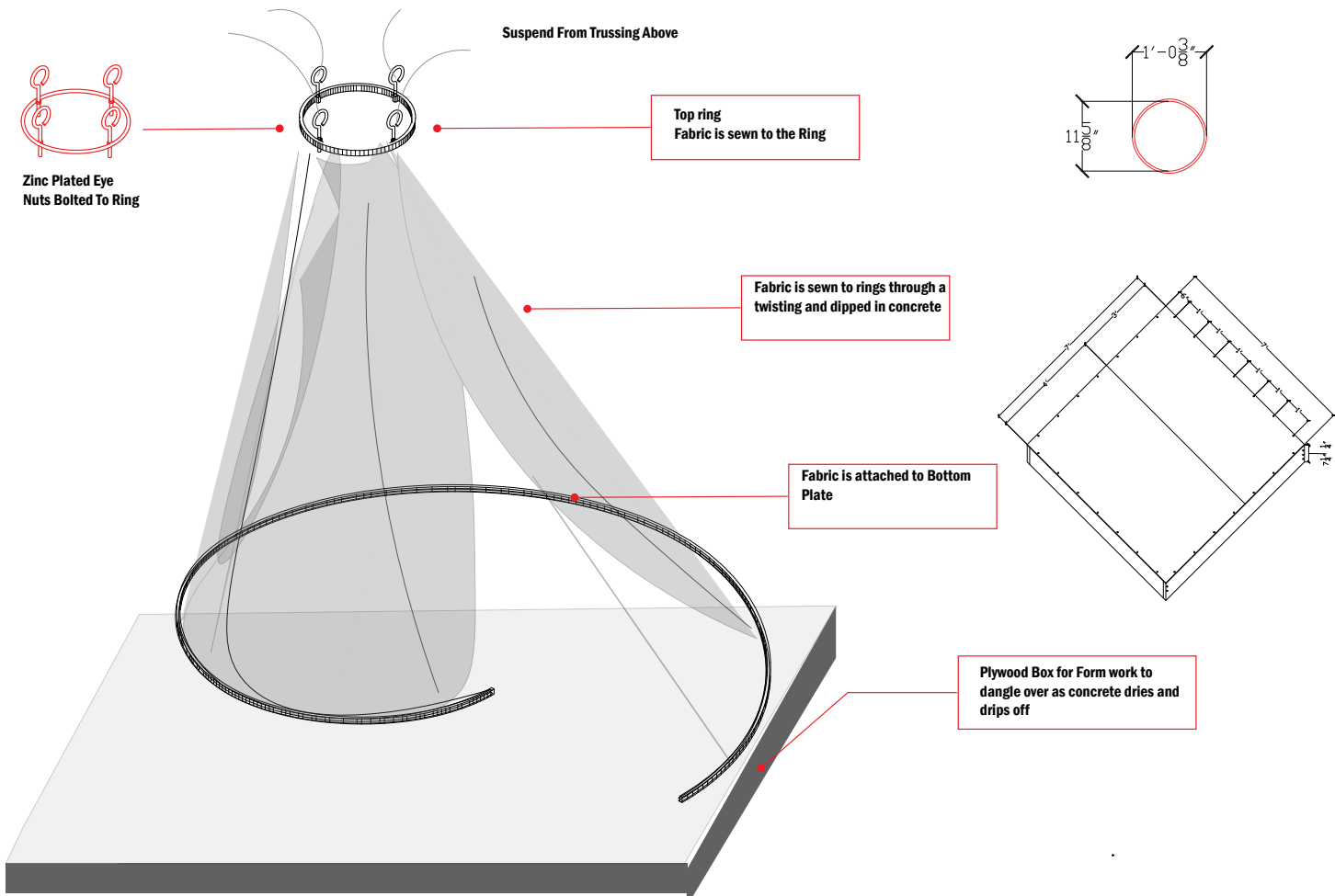
Top Ring Plan
Scale: 1" = 1'-0"

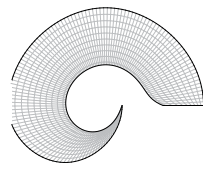
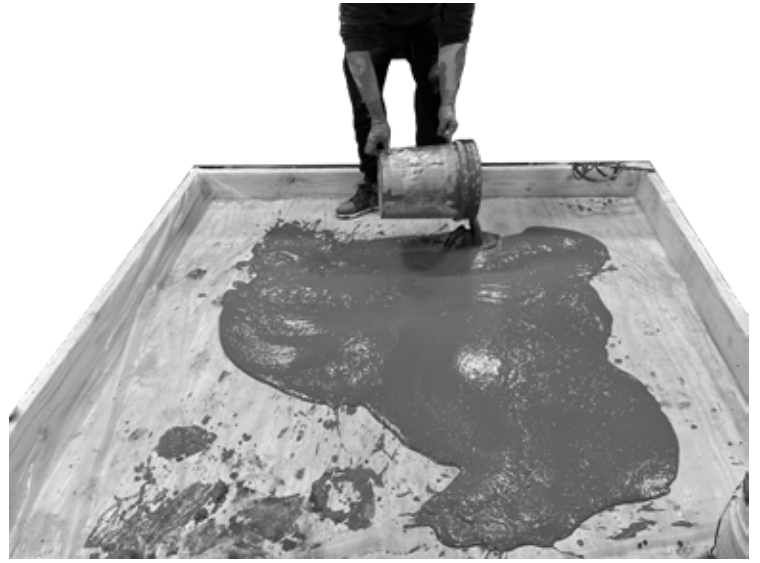


Top Ring Plan w/ 3/8" Bolt
Scale: 1" = 1'-0"

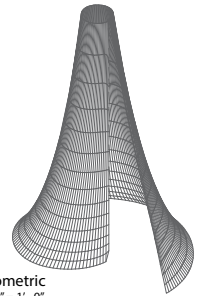


Bottom Ring Plan
Scale: 1" = 1'-0"

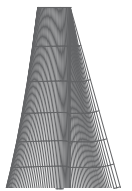
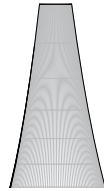


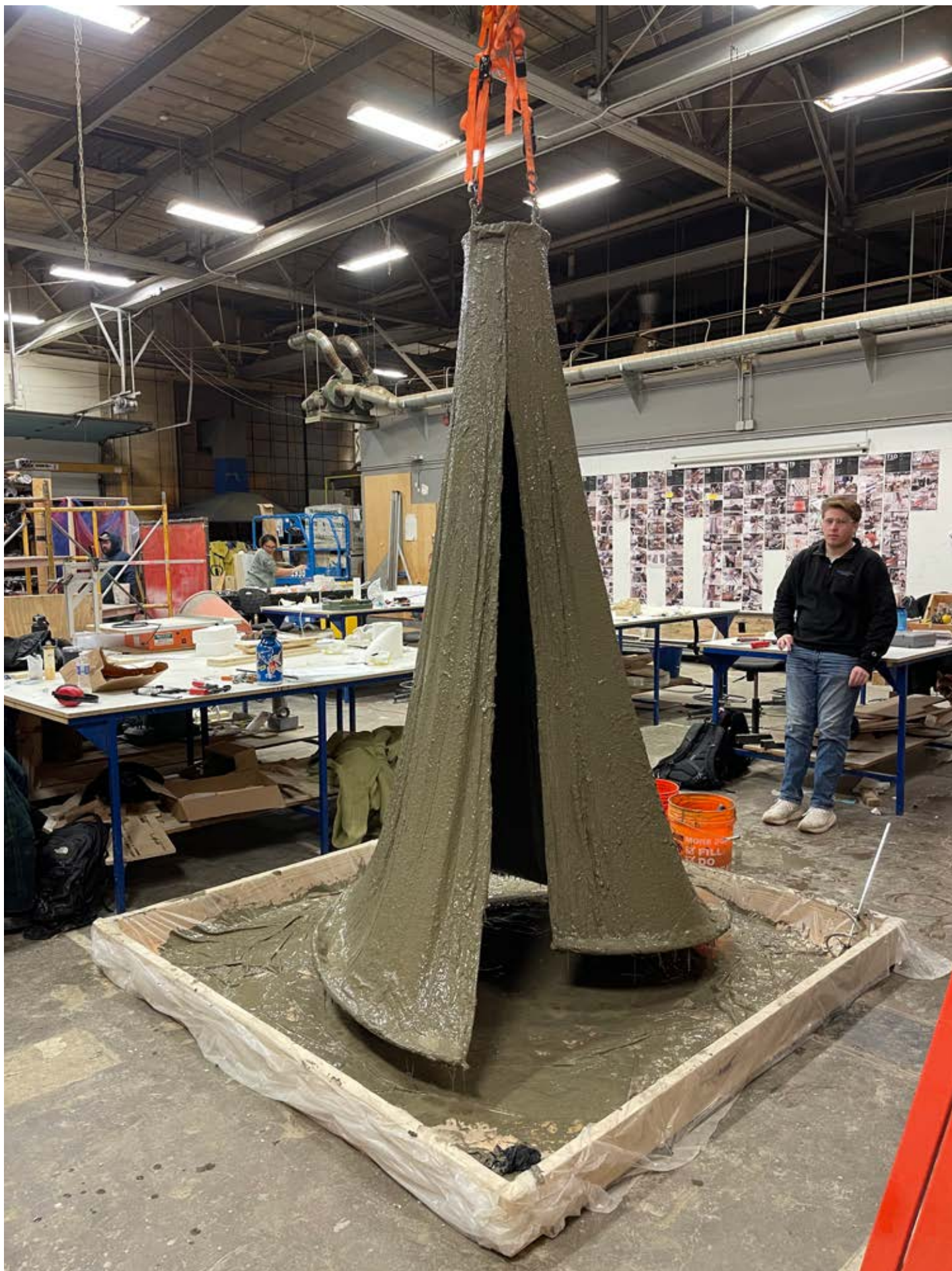


1'-0"



Isometric
1/2" = 1'-0"









Sydney Gross Memorial

Location: Medina, NY

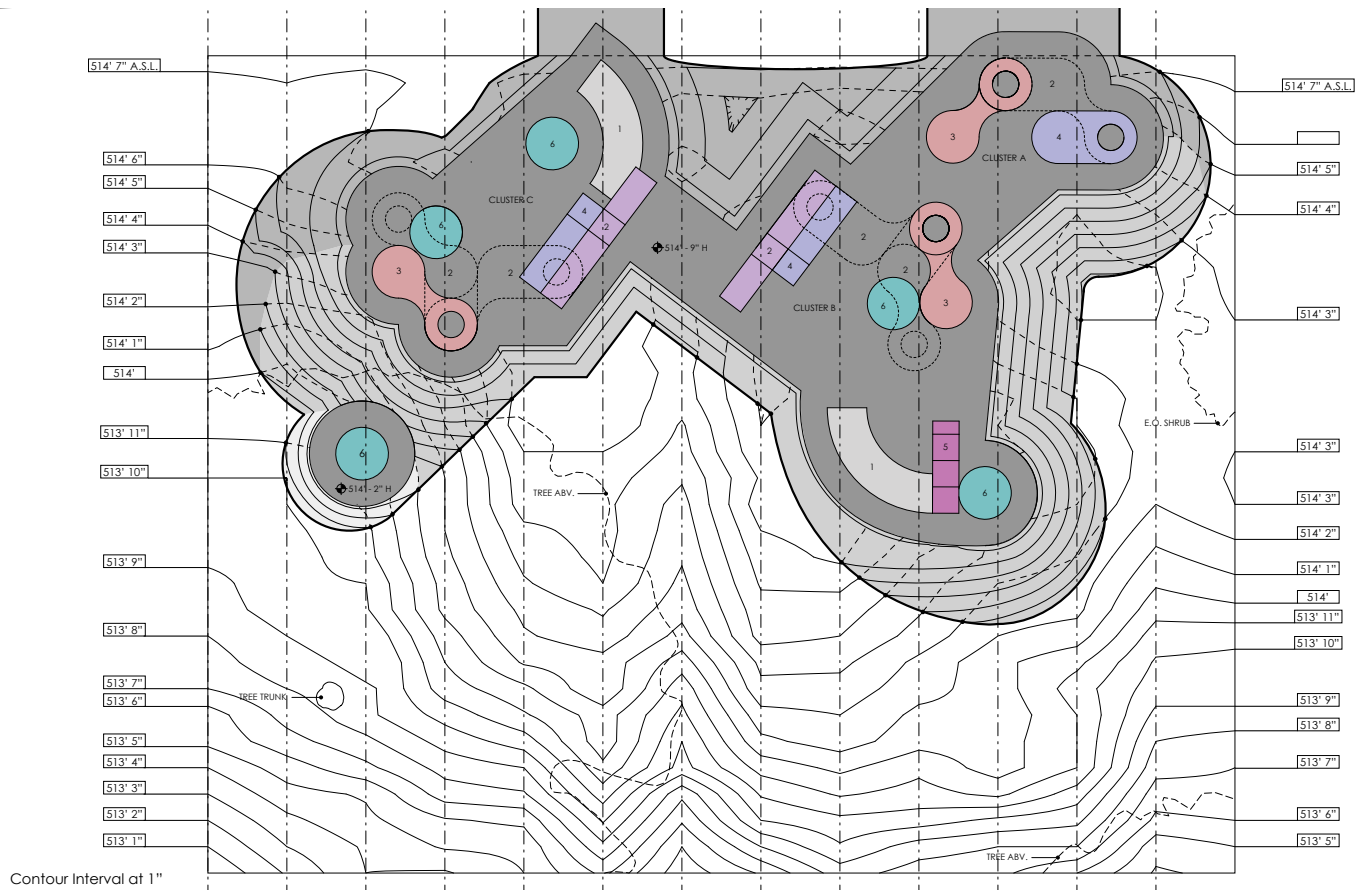
Program: Interactive Seating Space
And Memorial along the Erie Canal

Professor: Christopher Romano

First Year Graduate School 2023

The Sydney Gross Memorial was a project like no other. Working along side the different tradesmen around Buffalo the studio created a multi-purpose public sit and play pspace along the Erie Canal walking route. This interactive monument of sort was built in honor of University of Buffalo student Sydney Gross and is the first step in a state funded Erie Canal revival project established by Kathy Hochul. The installation was hand built by our studio at all stages of construction and creates a sitting and resting area along the canal for pedestrians and boaters while also working to frame the surrounding landmarks when observed through the holes in the components. This studio was created to leave a lasting effect on a community in the same way Sydney had. This goal was accomplished not only through the installation of the memorial but in its creation, bringing the studio, school and community together to build something for everyone.



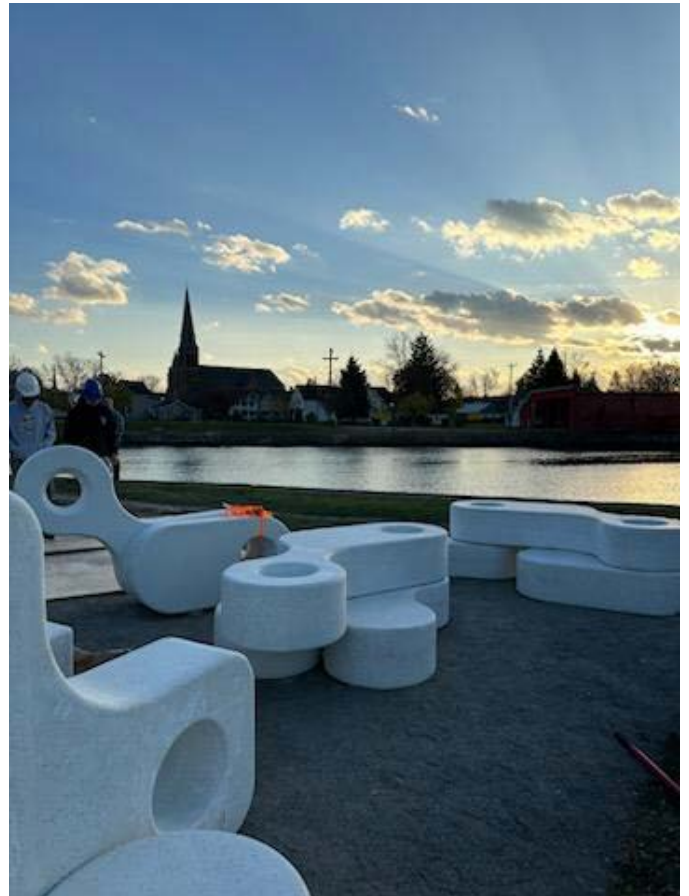


1
A00 **SITE PLAN**
SCALE: 1/2" = 1' - 0"

Legend

- 3:12 Gravel
- 2:12 Gravel
- 1:12 Gravel
- Flat Gravel
- Infill Gravel
- Current Topography
- Covered Topography







Motion of the Oar

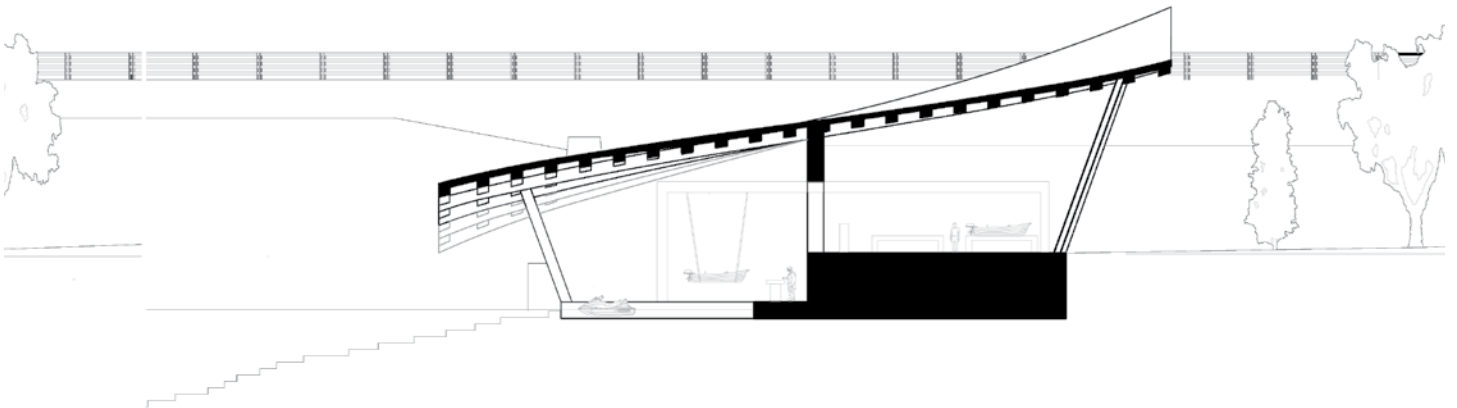
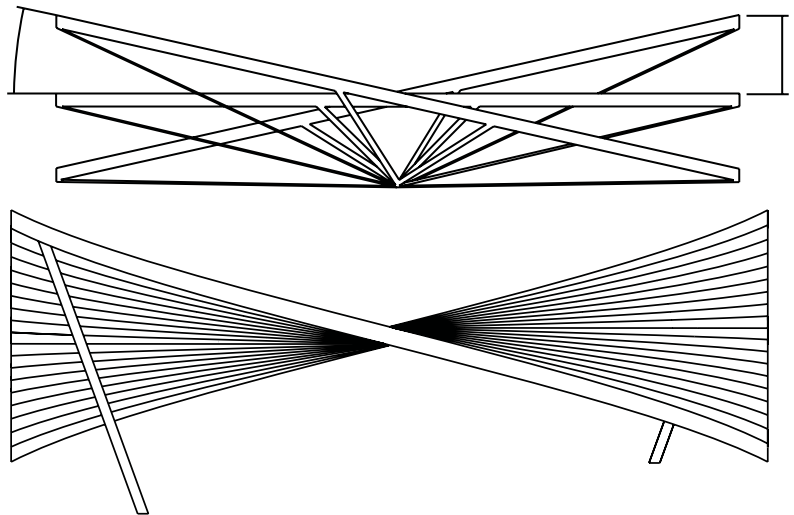
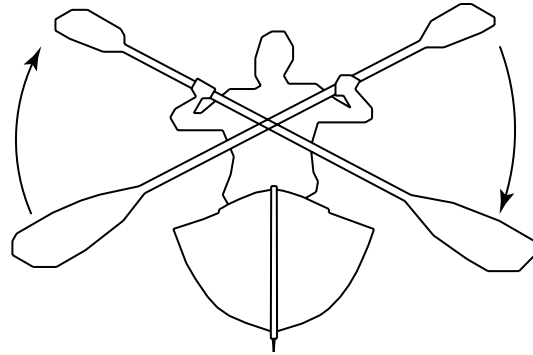
Location: Erie Canal, Buffalo NY

Program: boat House and River Boat Museum

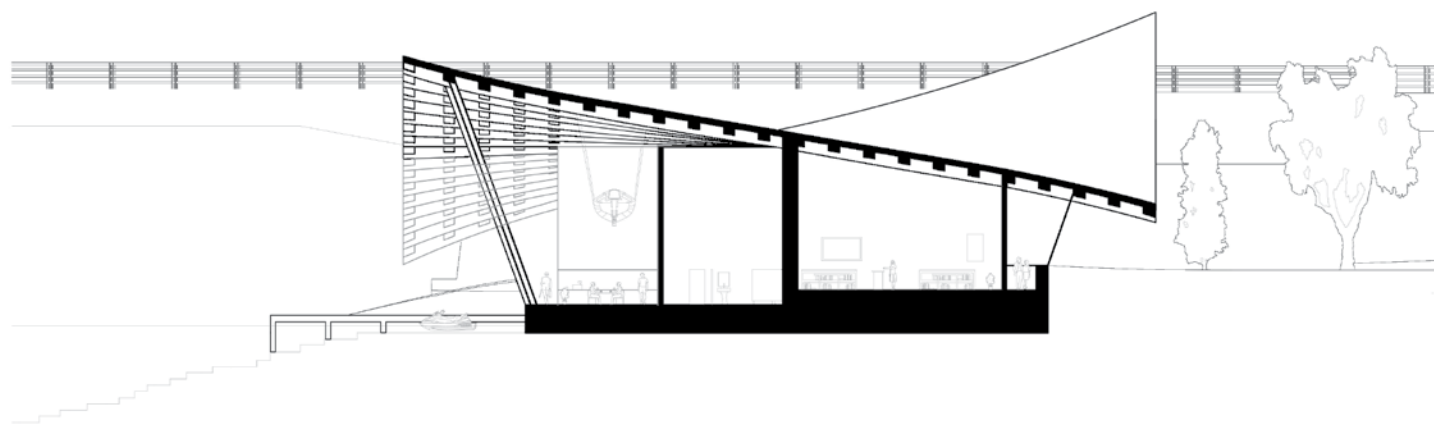
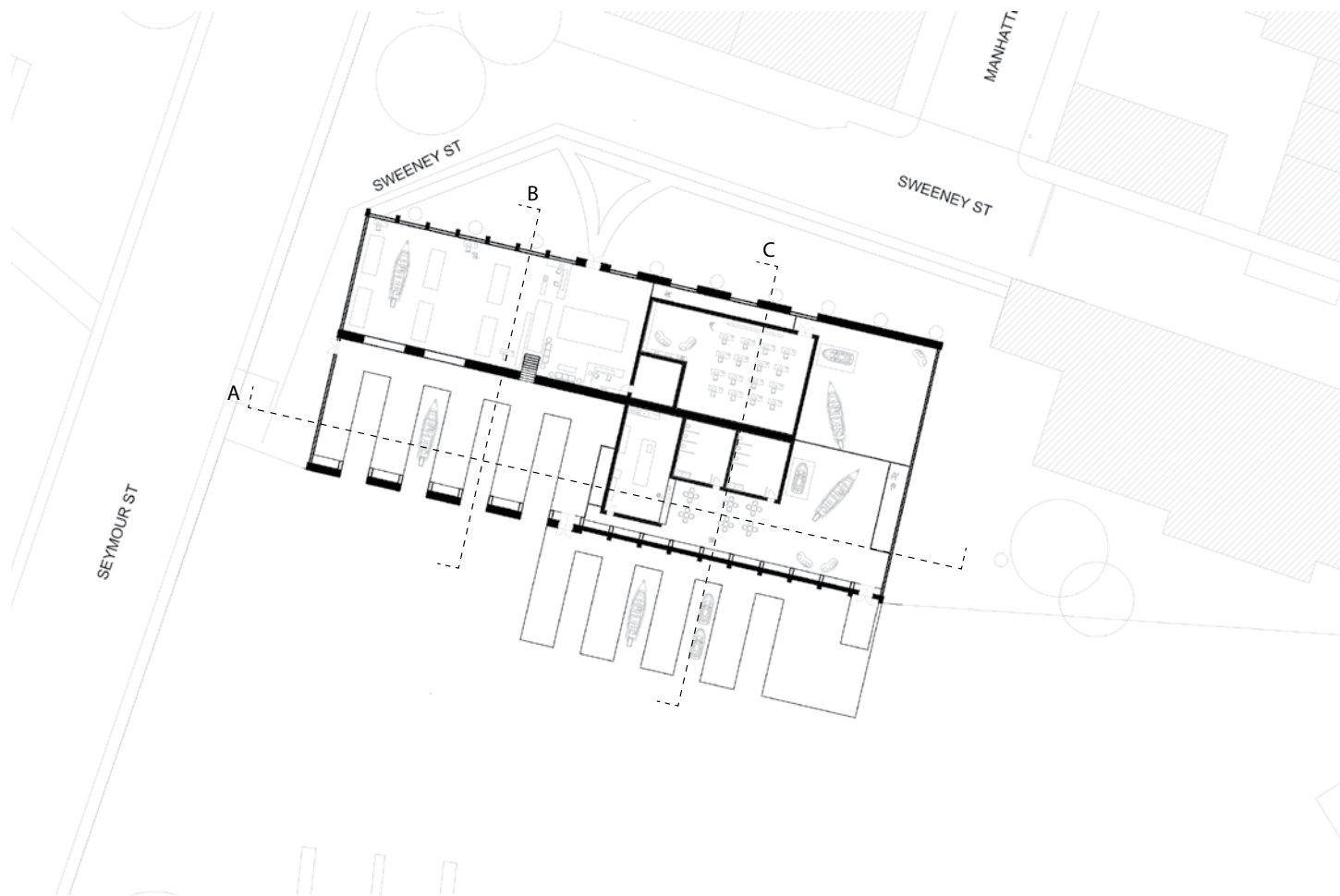
Professor: Justina Zifchock

Junior Year Fall 2021

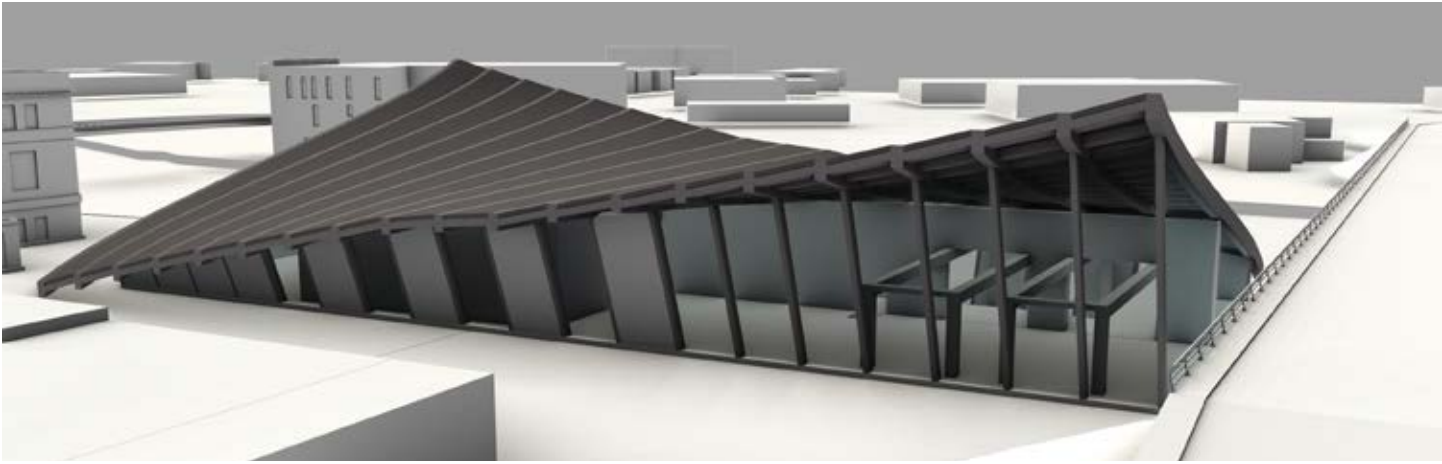
Motion of the Oar uses the sloping shape created through the rowing of an oar to make a hyperbolic parabola. This shape allows for a seamless transition from street level to the canal. The sloping roof pulls museum goes towards the exhibits opening to a vast view of canal and providing a large high roofed space for any exhibit items. The large windows also allow for views into the structure bringing in the public passing by.



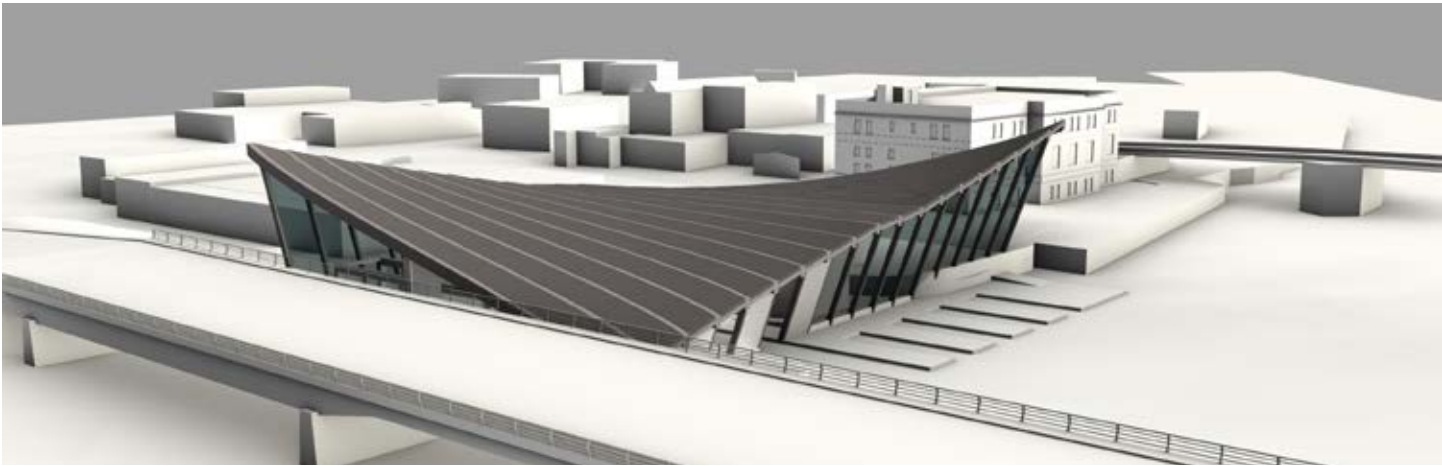
Section C



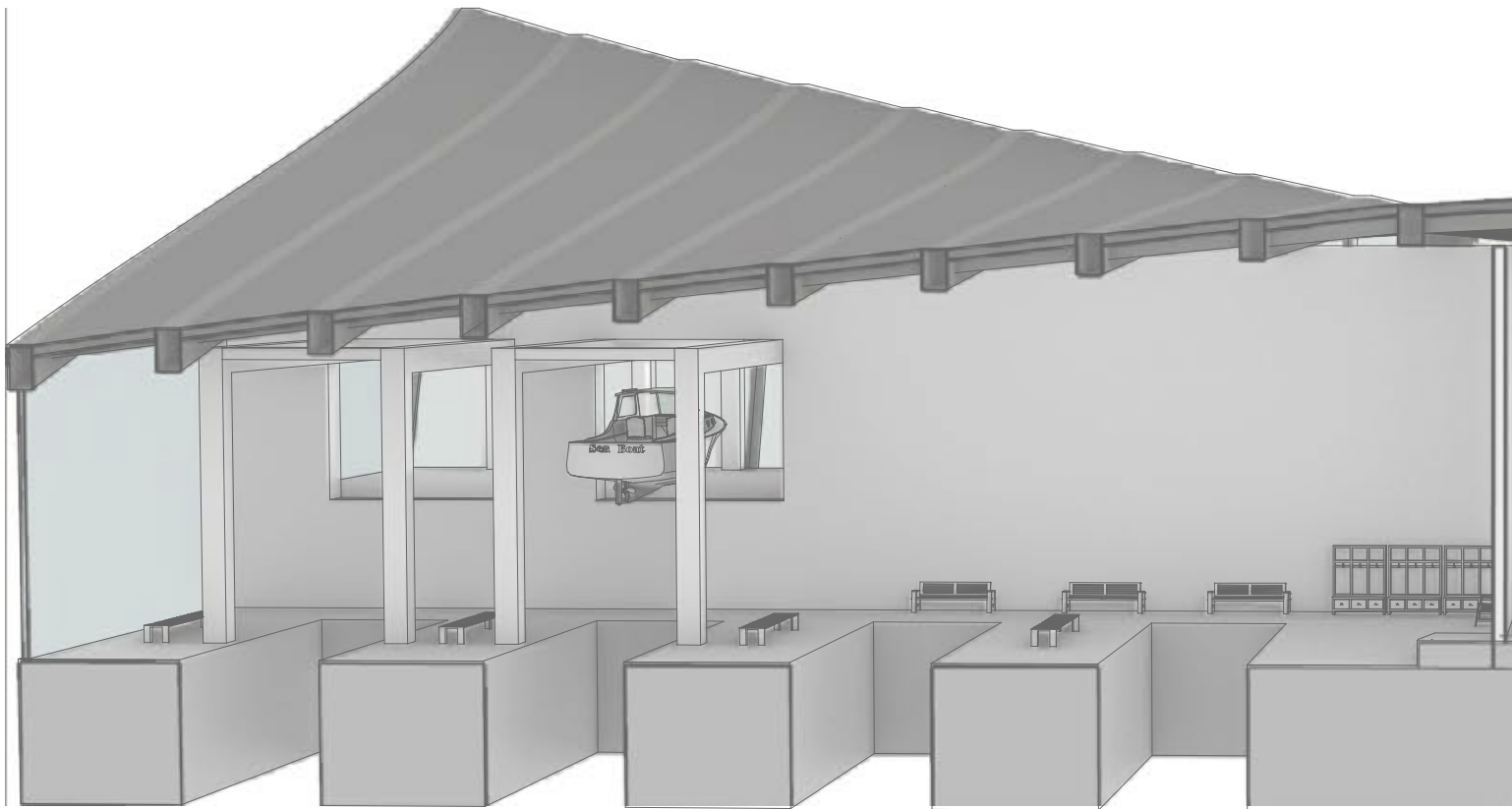
Section B

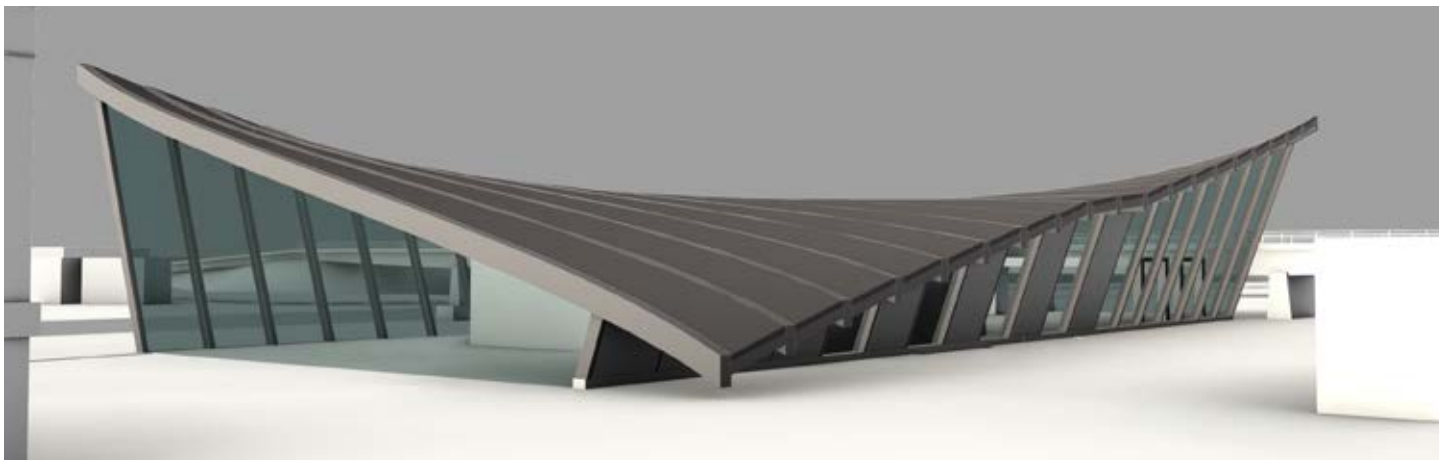


Bridge View SE

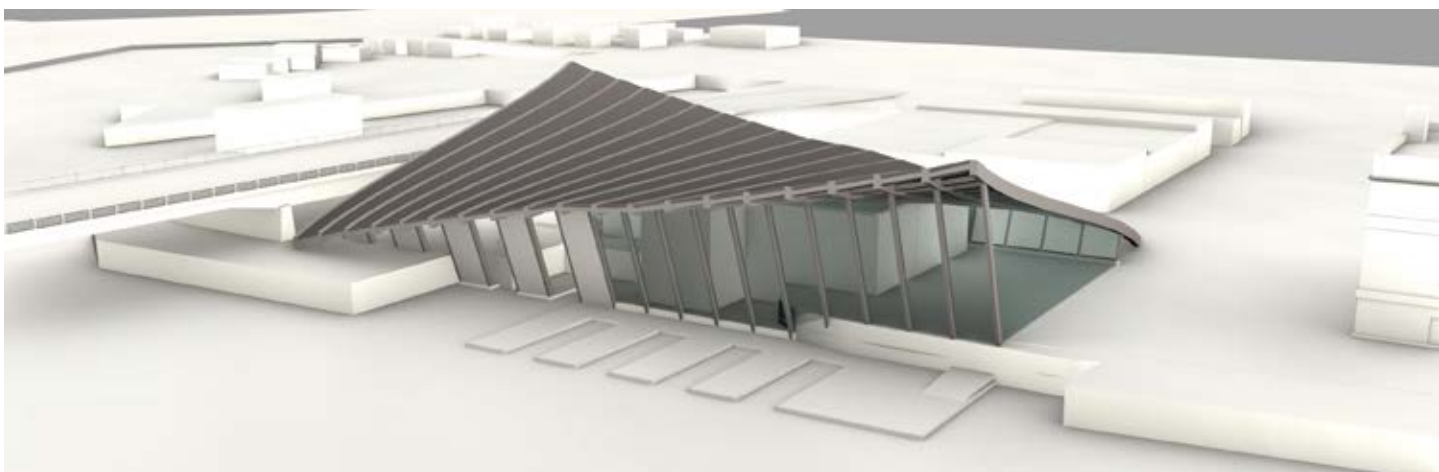


Bridge View NE

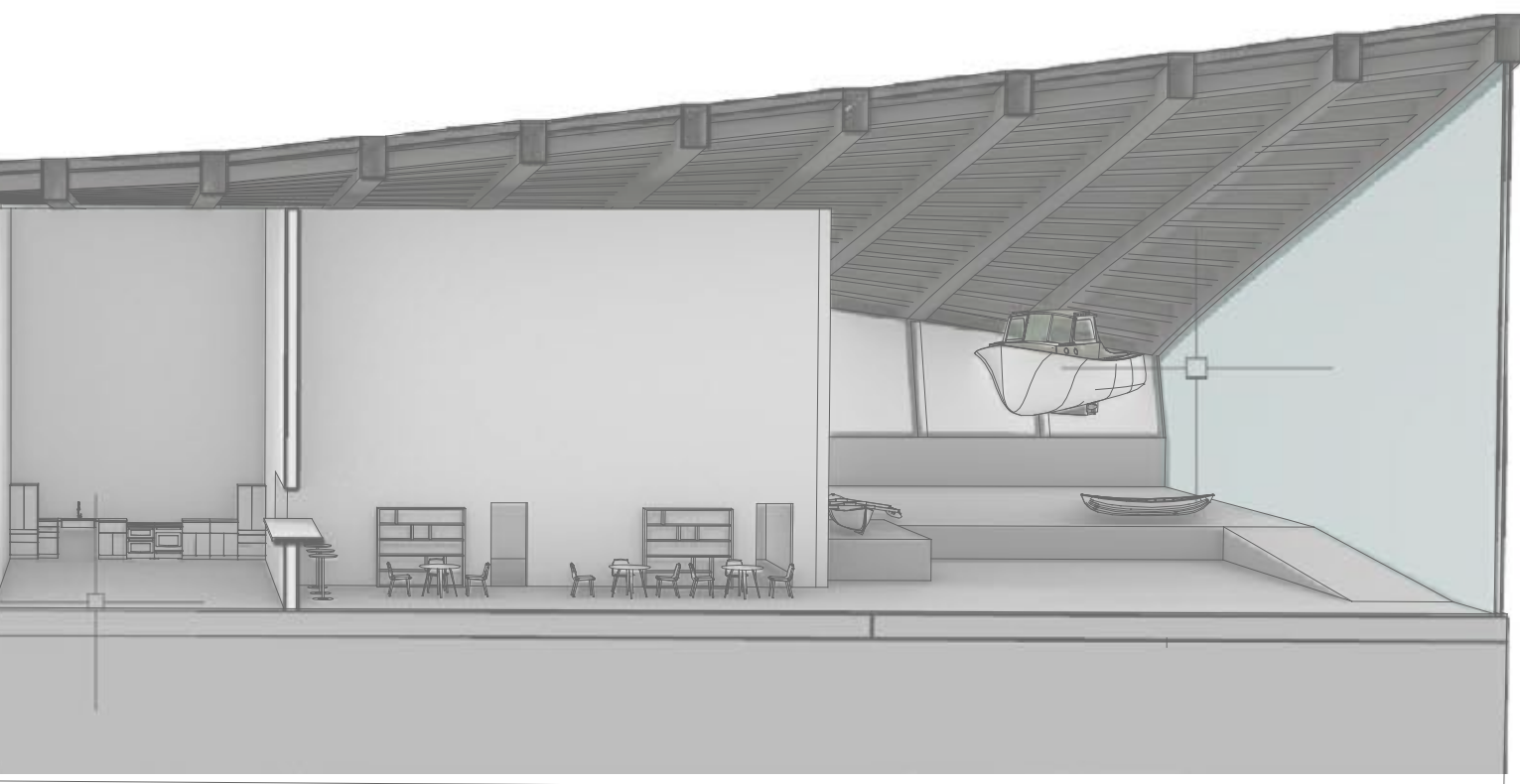


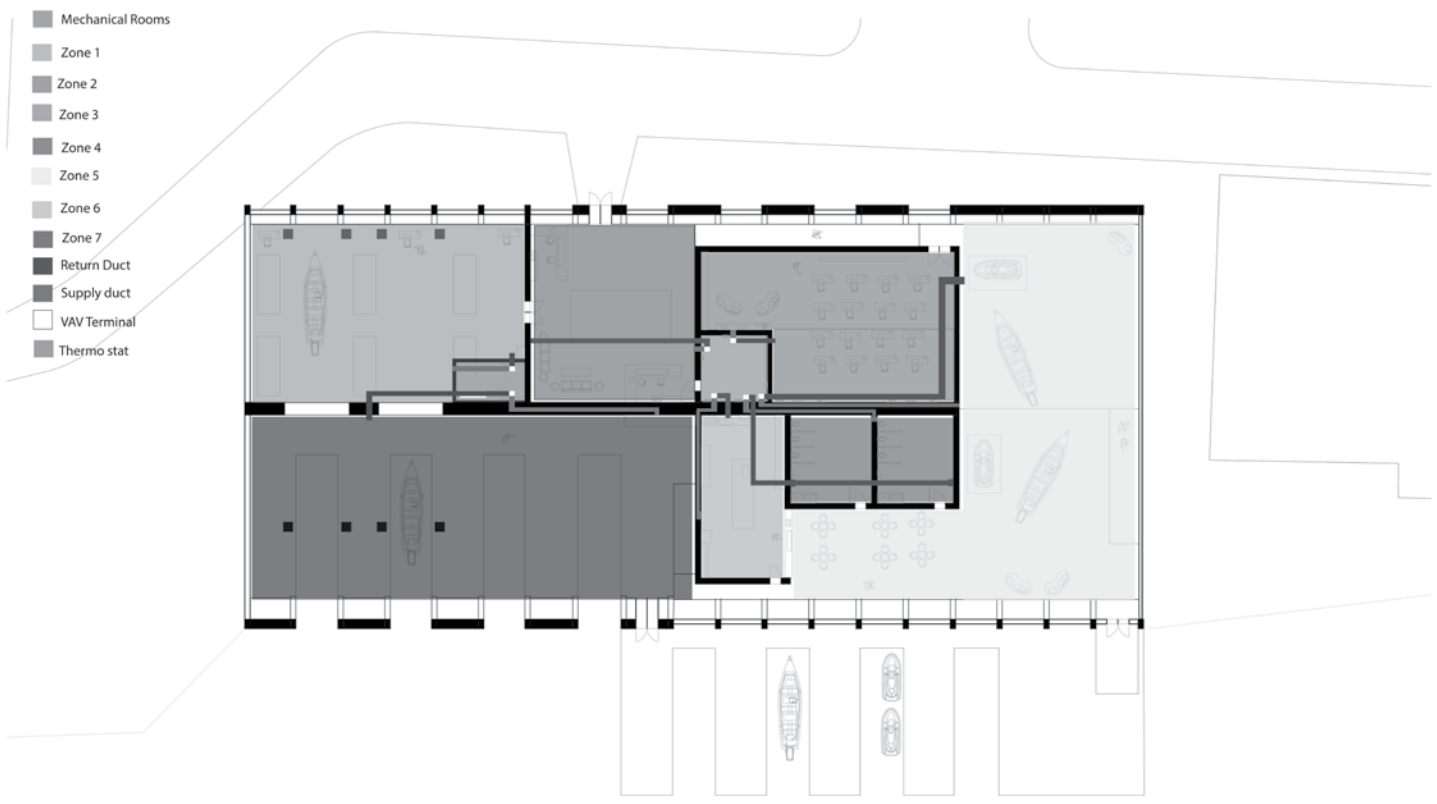


Street View

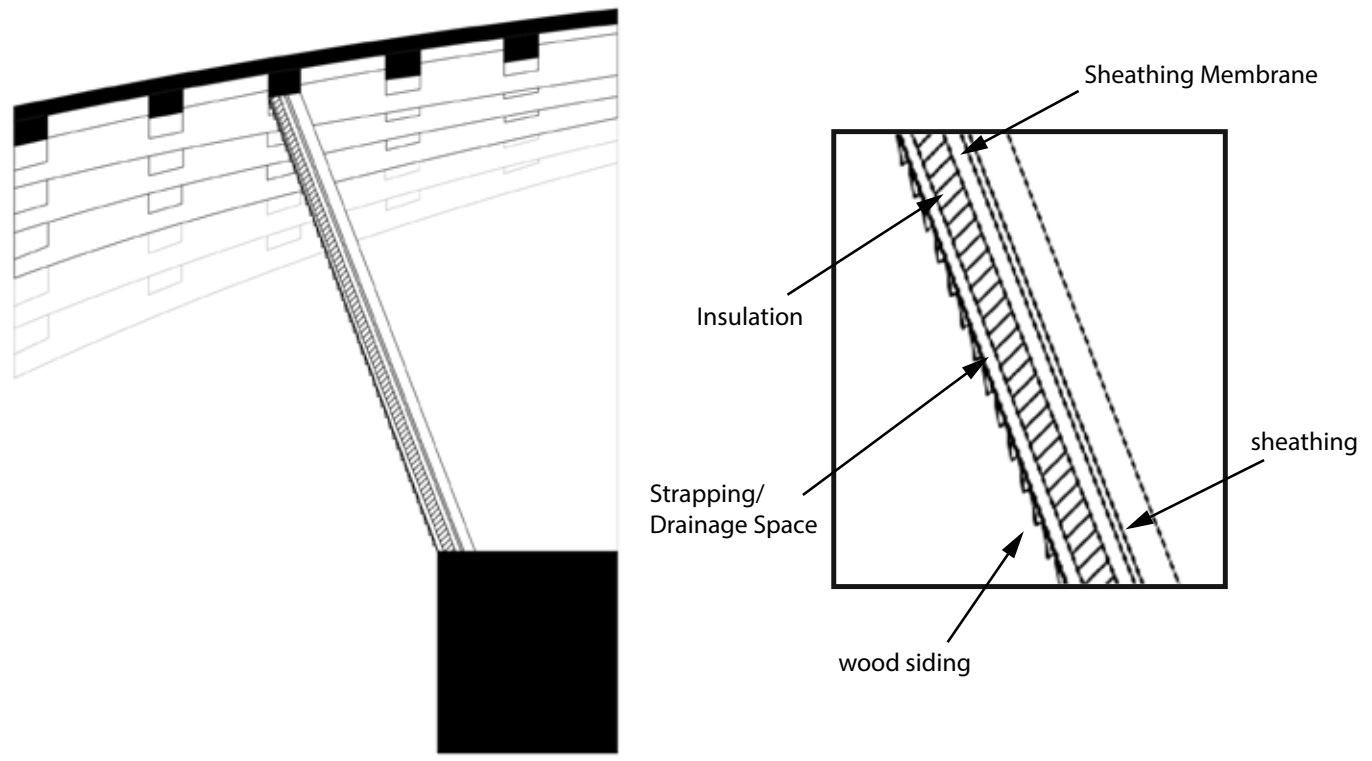


Canal View

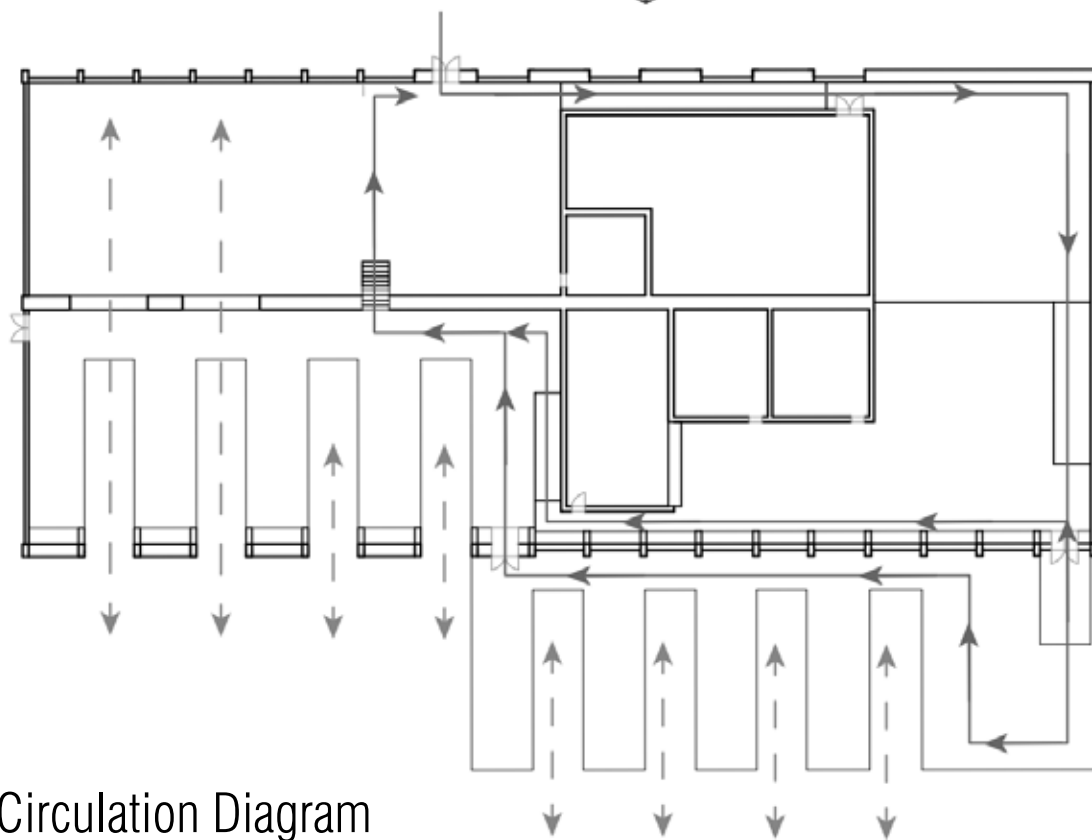
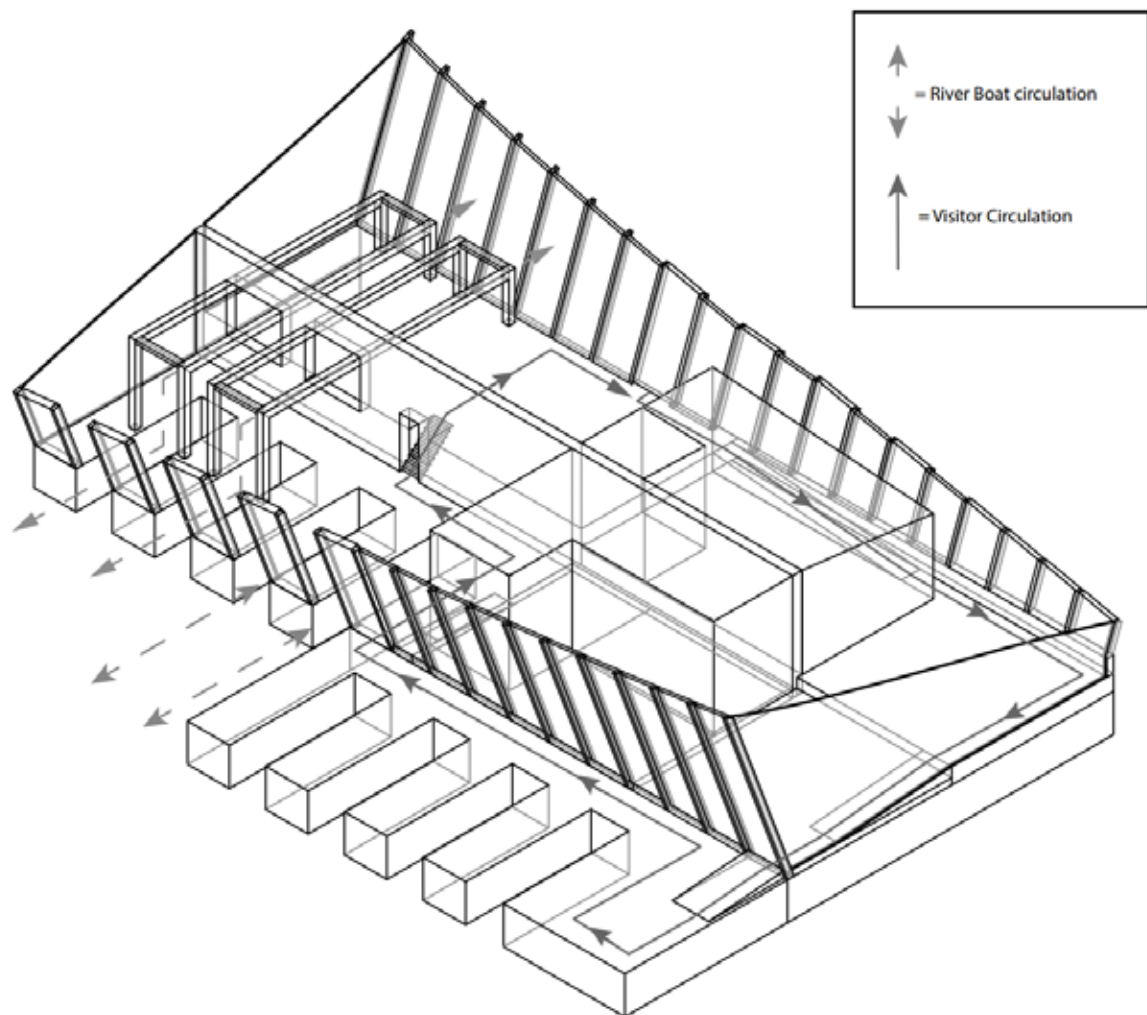




Hvac Diagram



Wall Section



Circulation Diagram

Fitting In

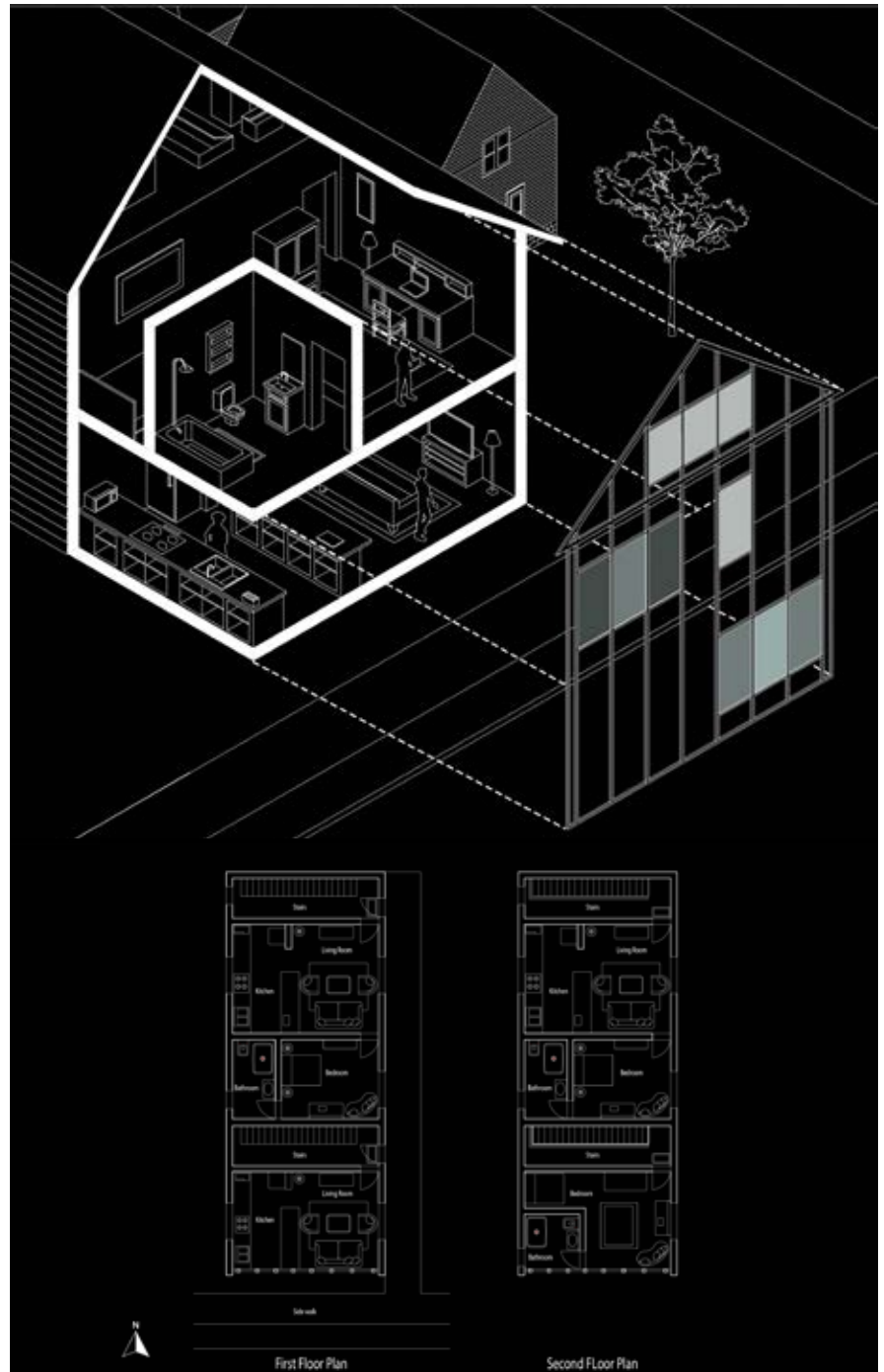
Location: Black Rock, Buffalo NY

Program: Public Library

Professor: Adam Thibodeaux

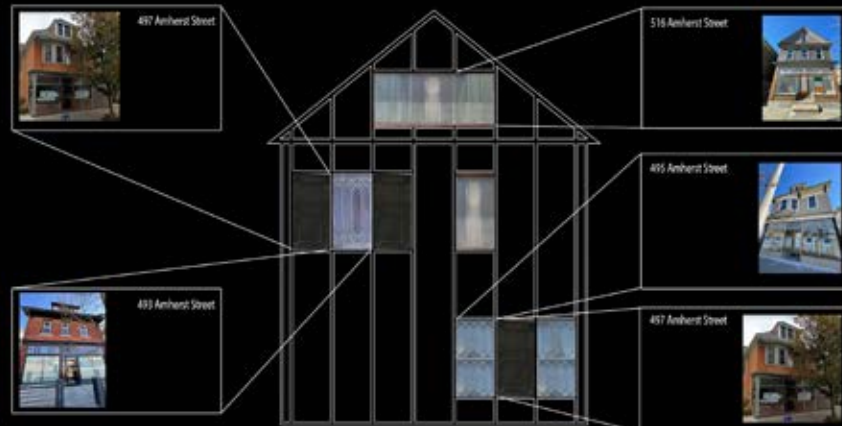
Sophomore Year Spring 2022

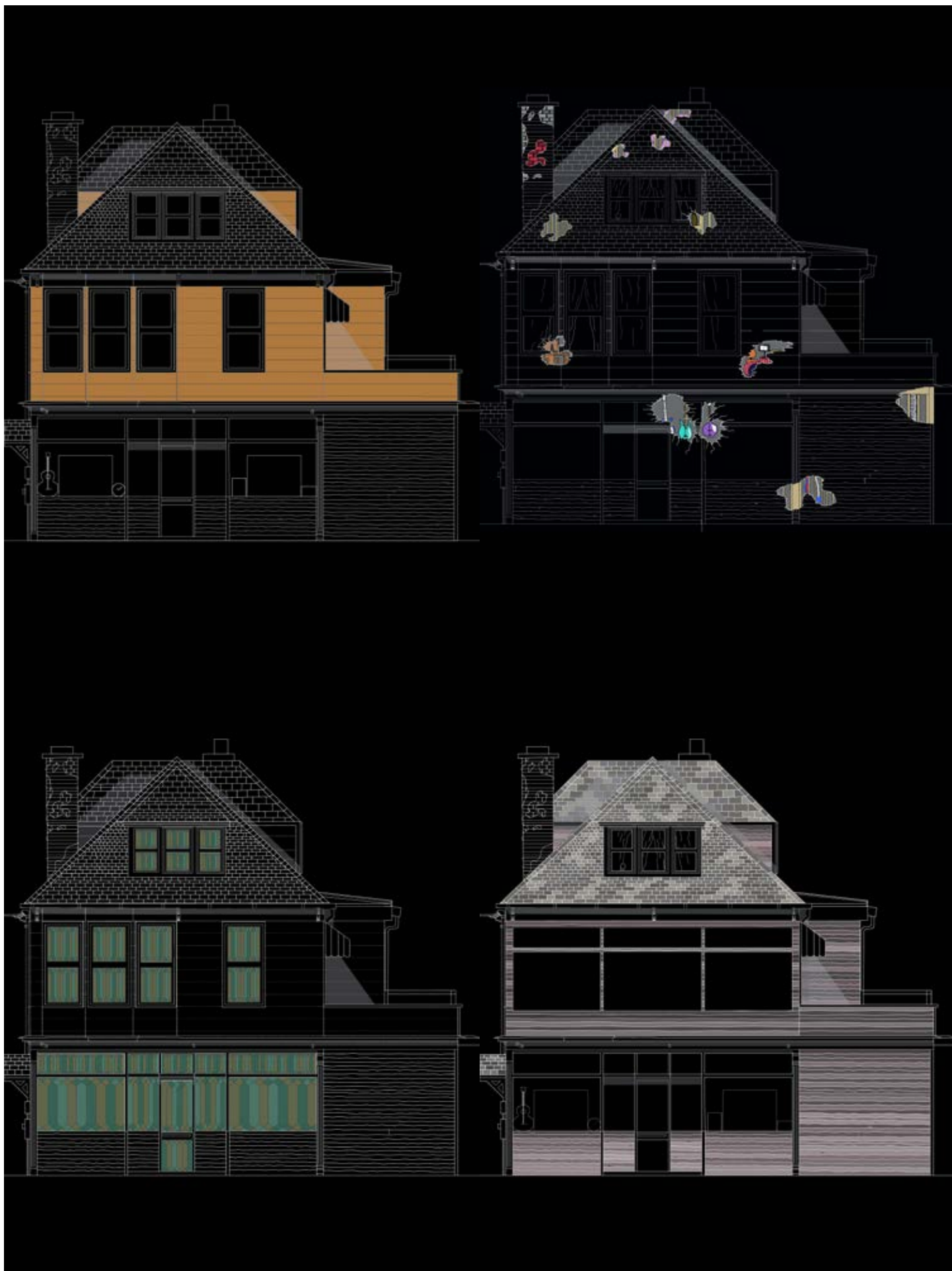
Fitting In is a public library that uses glass to create and manipulate public and private spaces. Specified slices of glass through the building manipulate the program to create areas of quiet and conversation based on where a person is in the library in relation to the cuts. As one migrates further into the darker less lit areas, they find more seclusion and spaces of calm and quiet. As one moves towards or into the areas of glass they are meant to work with others, communicate and converse with one another. This specification along with sound analysis creates all the experiences of a library one may want.



Fitting in Diagram

This diagram demonstrates the use of the stained glass to create privacy in a living space. The glass was taken from various buildings throughout the town of Blackrock. There were 5 separate sites that utilized stained glass in the facade. By using the different shades and styles of stained glass I created the resultant facade to experiment with the use of a stained glass to make privacy in a souly glass and almost fully transparent facade. The entire front of the structure will only consist of glass and stained glass to create a very distinct separation between privately and publicly viewable spaces throughout the front apartment.







1st Floor

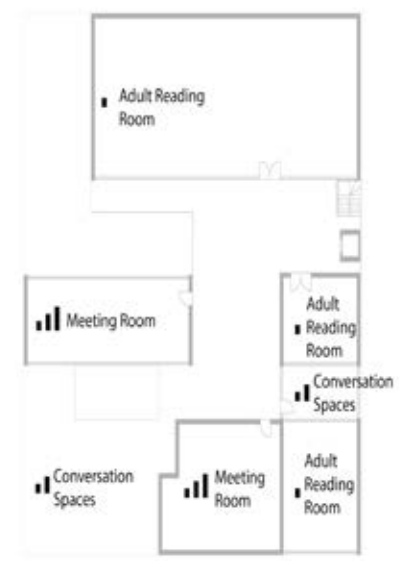
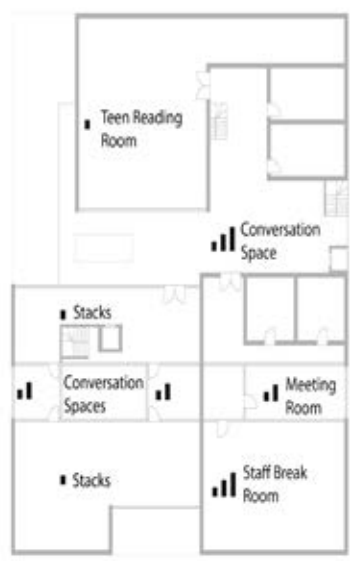


2nd Floor



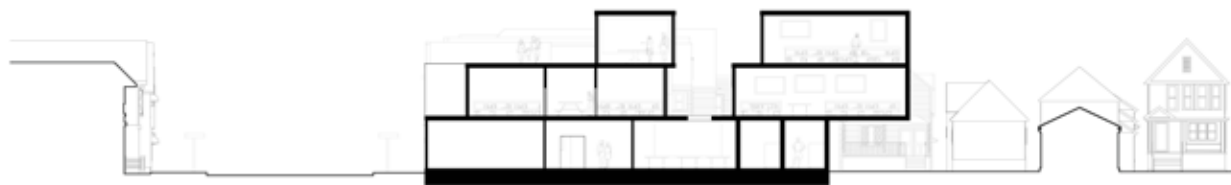
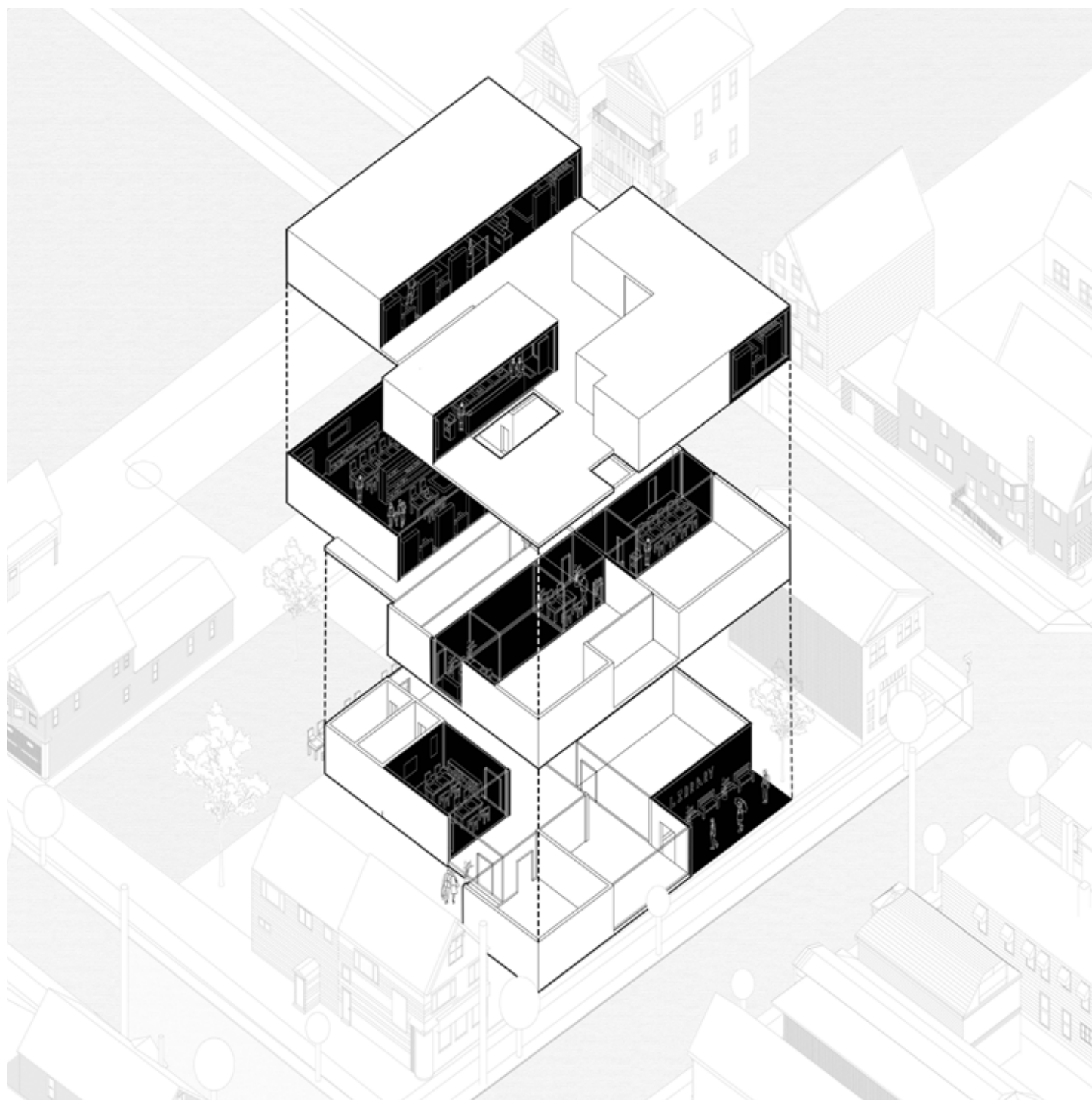
3rd floor

Areas of conversation

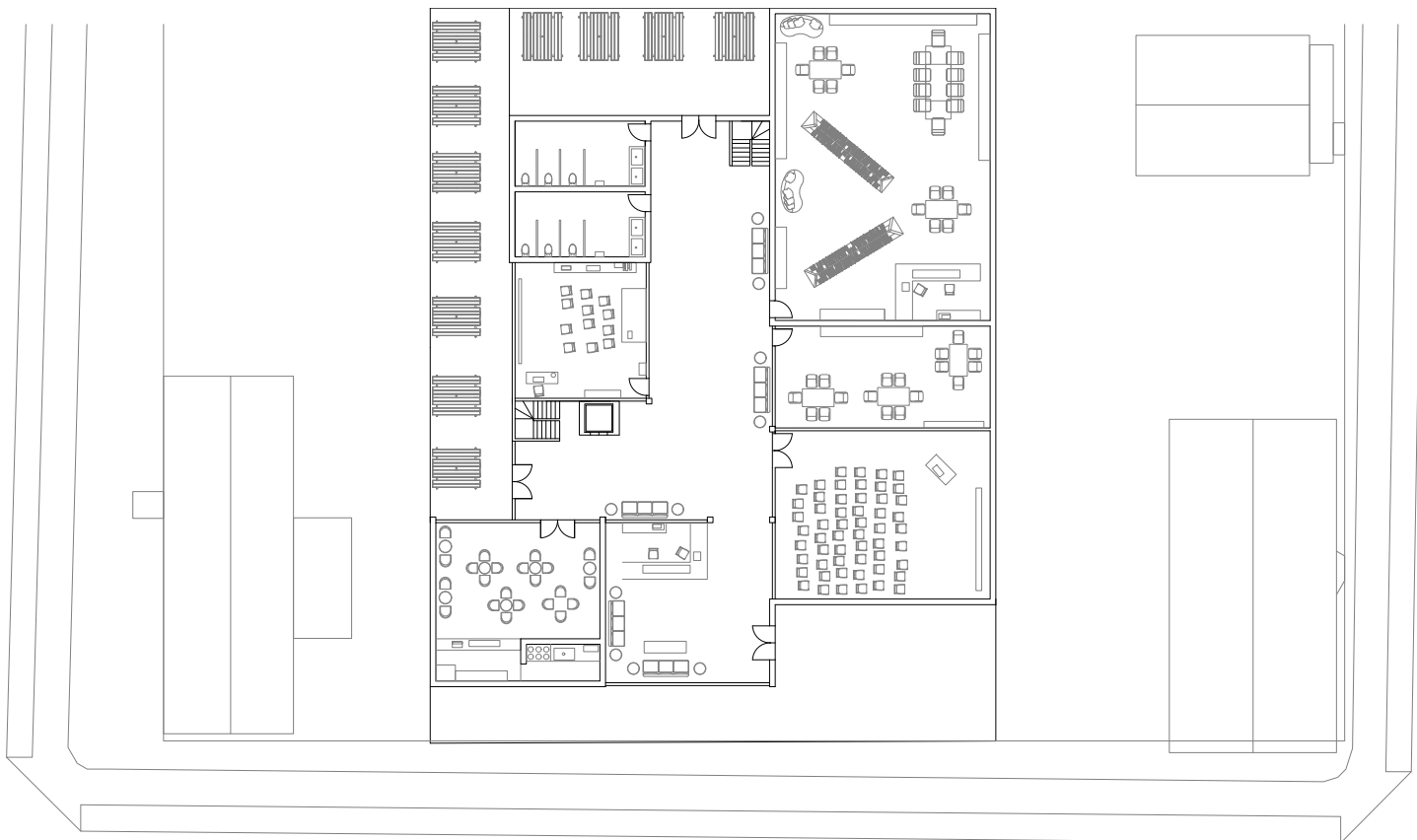


■ = Whisper ■■ = Casual Volume ■■■ = Outside Volume ■■■■ = Crowd Volume

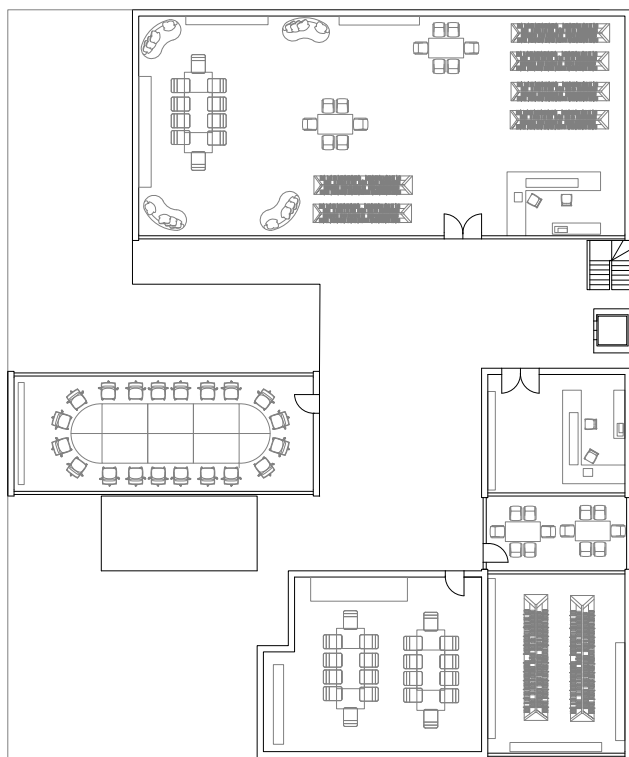
Sound Diagram



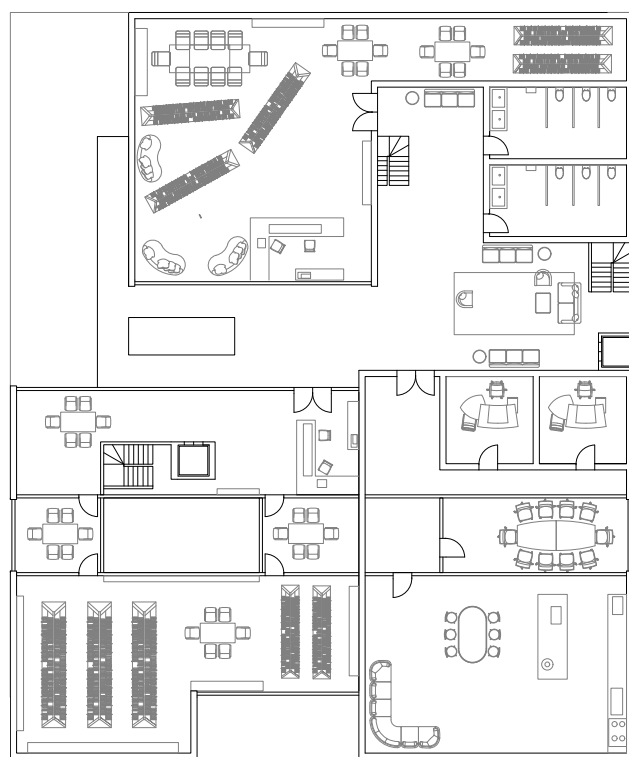




First Floor



Second Floor



Third Floor

The Shifting Forest

Location: Glen Park, Williamsville NY

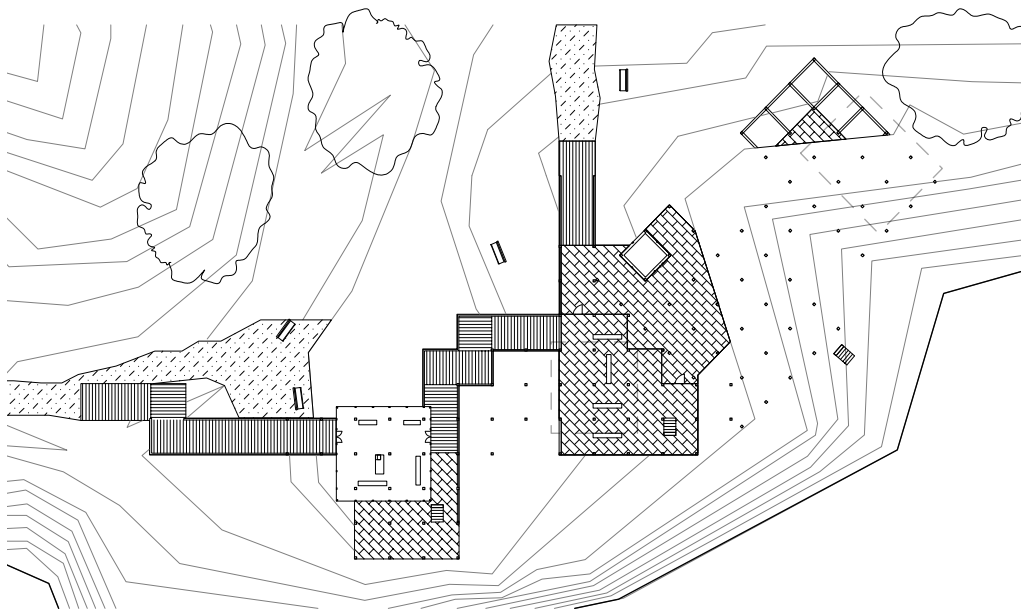
Program: Nature Center

Professor: Jin Young Song

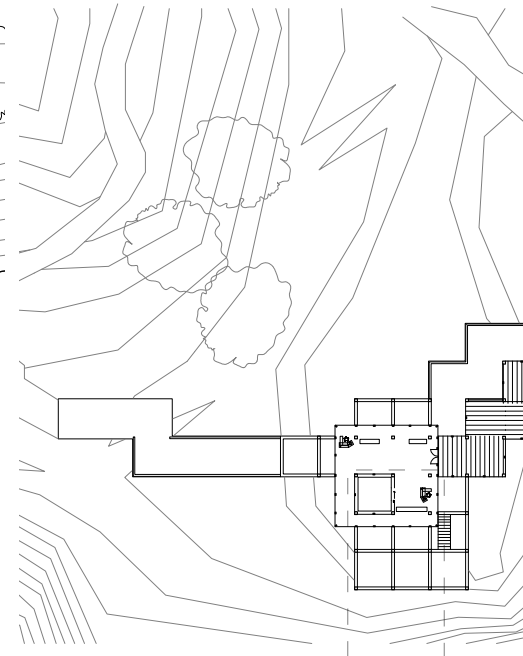
Partner: Connor Lloyd

Sophomore Year Fall 2020

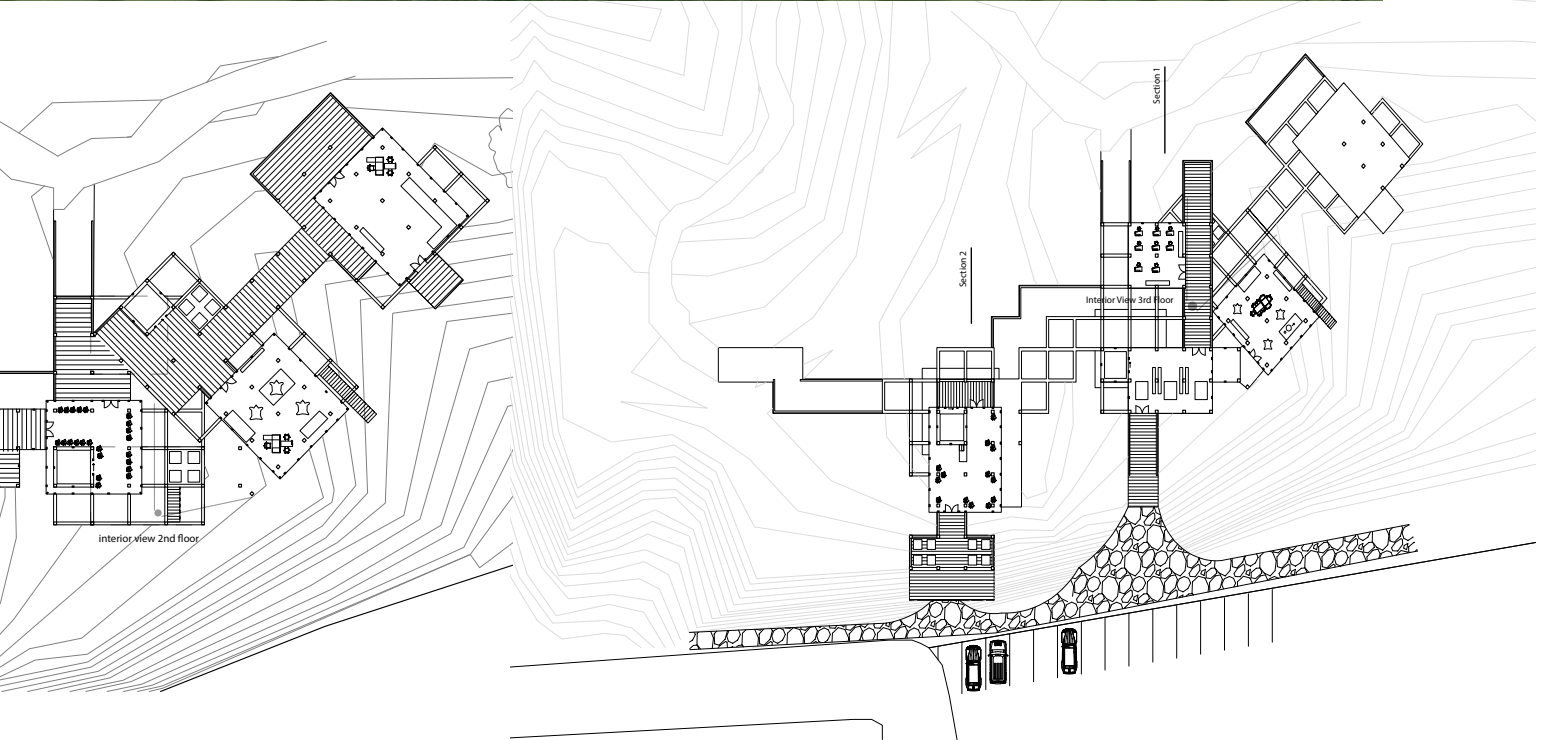
The Shifting Forest follows the concept of an infinitely growing and expanding grid structure that uses open pathways and glass rooms to convey a sense of endlessness and growth. The facade can be manipulated through the use of the interchangeable and removable glass and solid wall inserts to emphasize ever growing and changing concept. The structure and the use of glass creates a blending of building and site allowing the center to become part of the park it is located within.



First Floor



Second

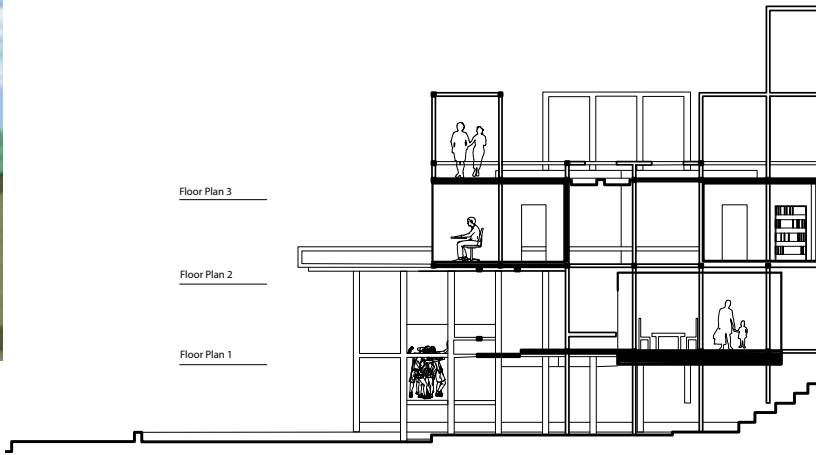


2nd Floor

Third Floor



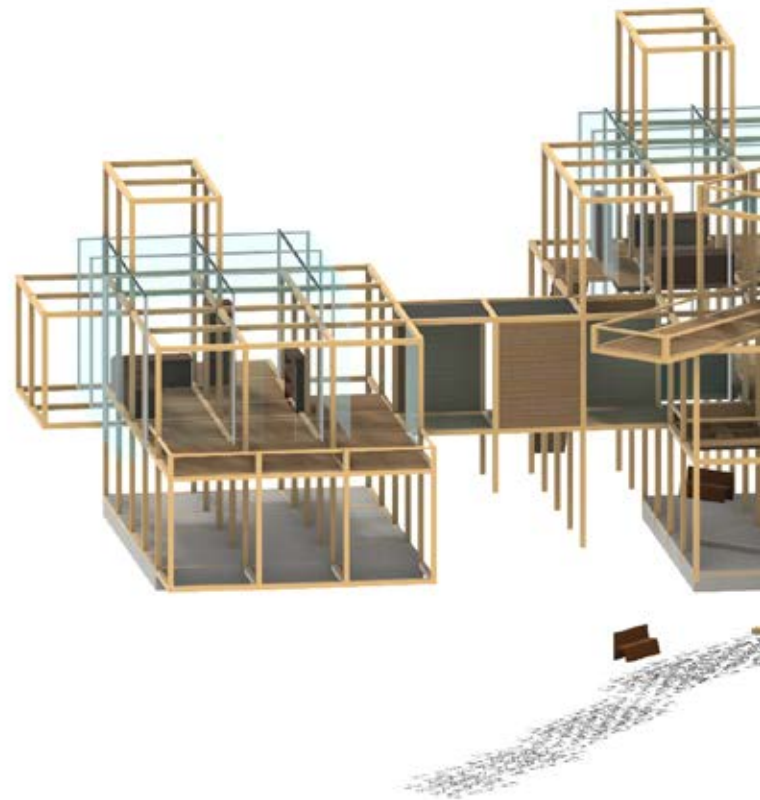
Street View

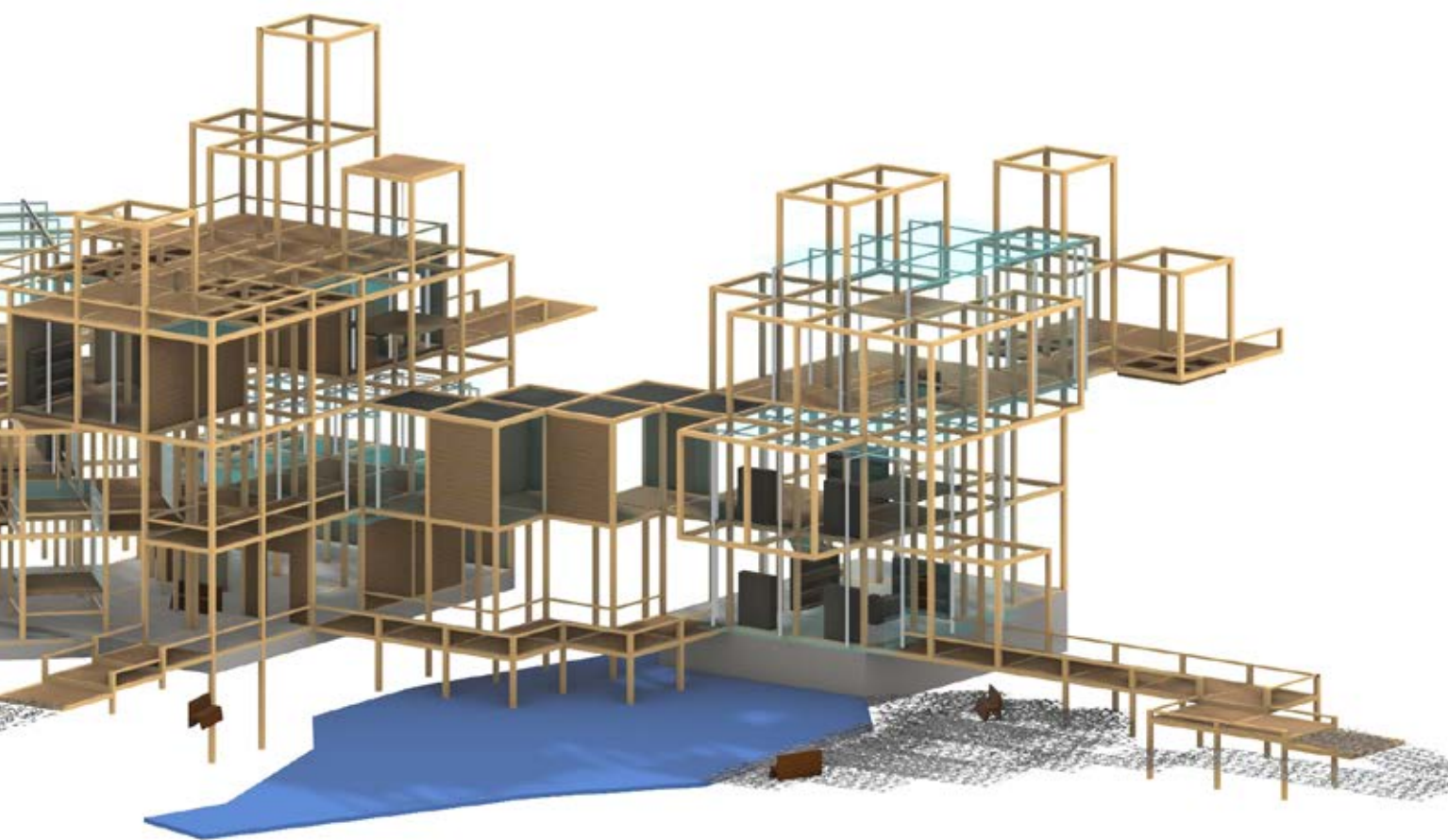
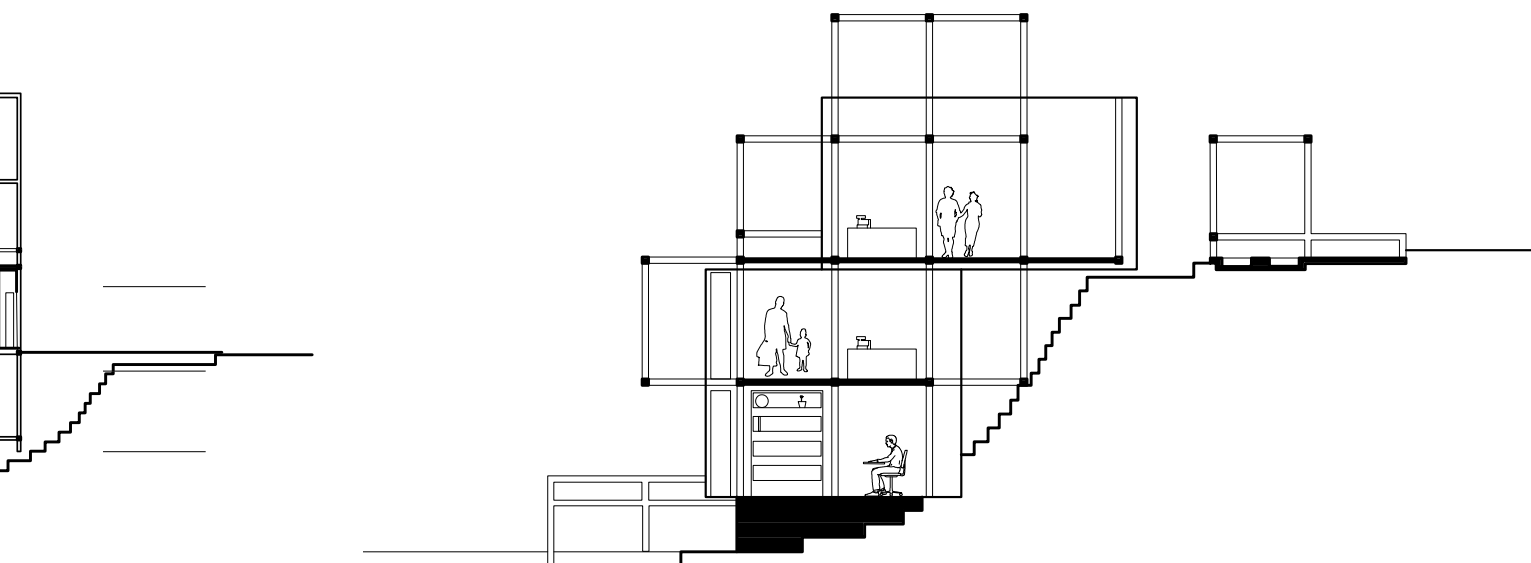


3rd Floor Balcony



Park view





Growing Community

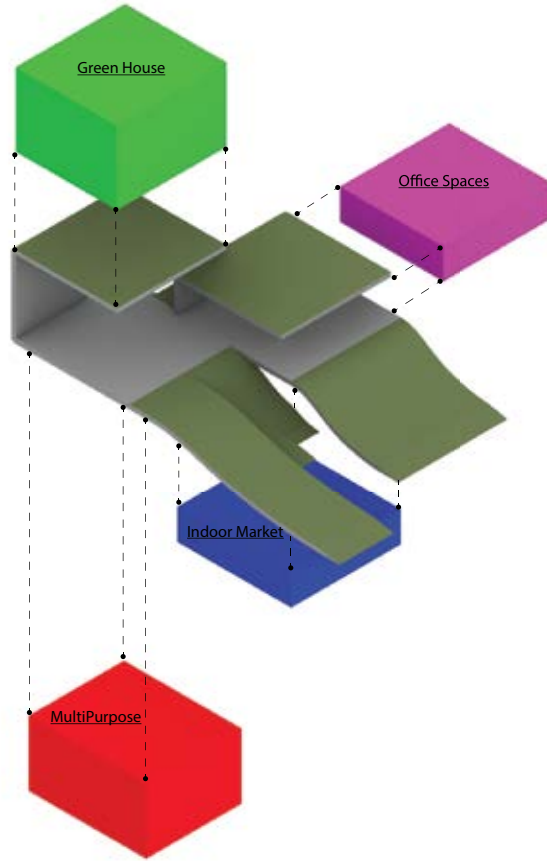
Location: Buffalo, NY

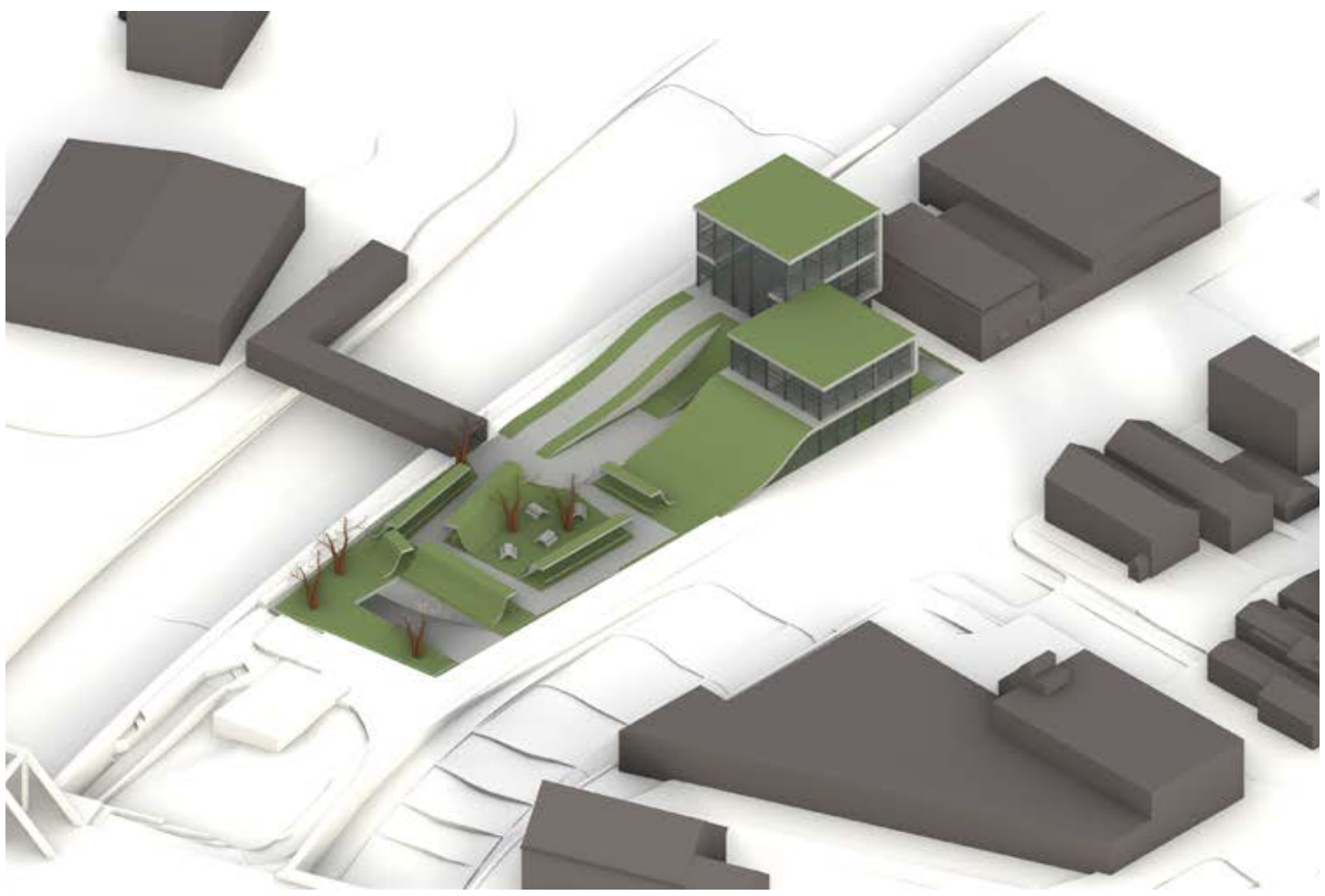
Program: Community center and Garden with public Market

Professor: Elaine Chow

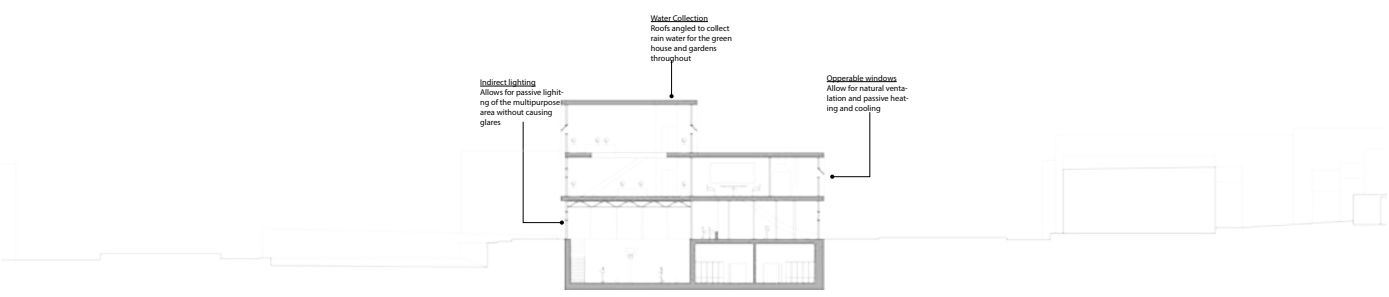
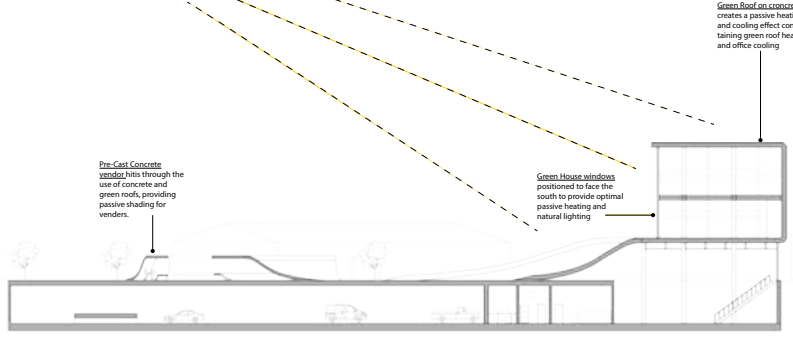
Junior Year Spring 2022

Growing Community is a community garden and market space in buffalo that would allow for community learning and involvement through gardening. The slopes of the structure pull together the opposing garden space and cafe/community space to create an indoor/outdoor seasonal market. This area allows for the community members to not only learn about growing and selling their own goods, but come together in an interactive and safe environment to grow and learn.

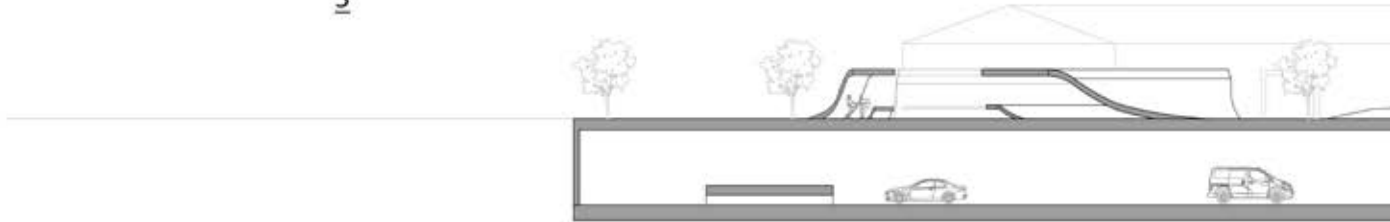
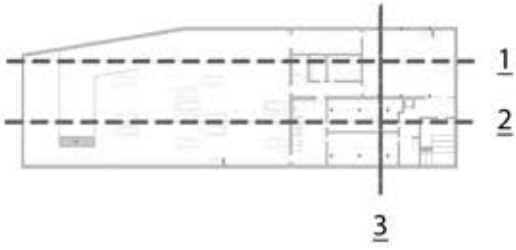




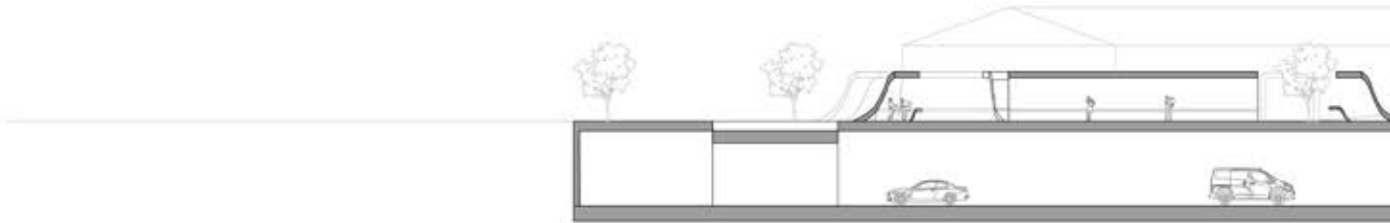
Passive Environmental Systems Diagram



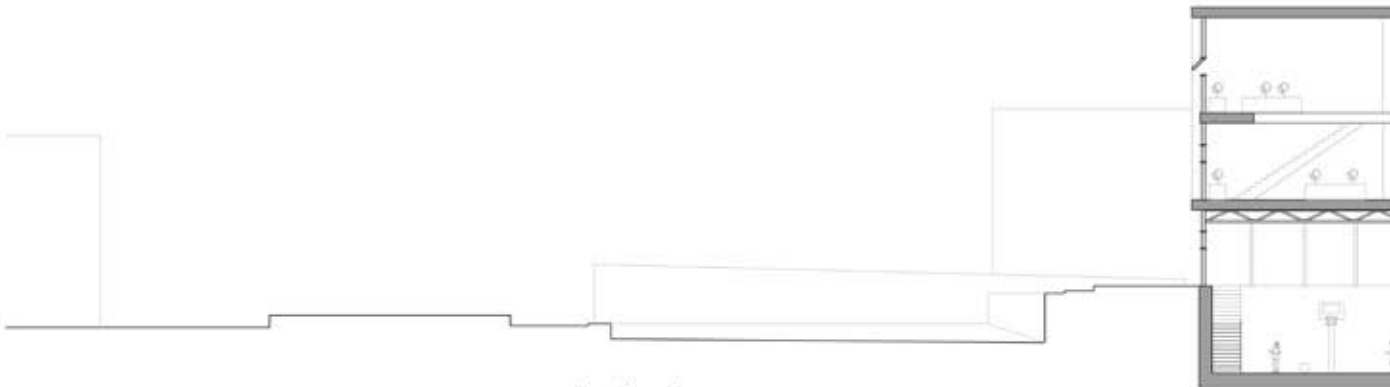
Sections



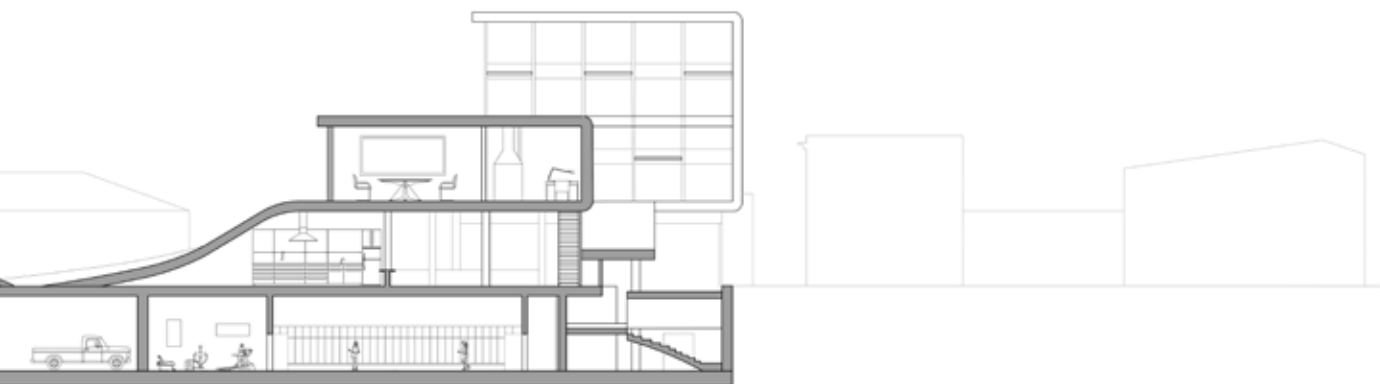
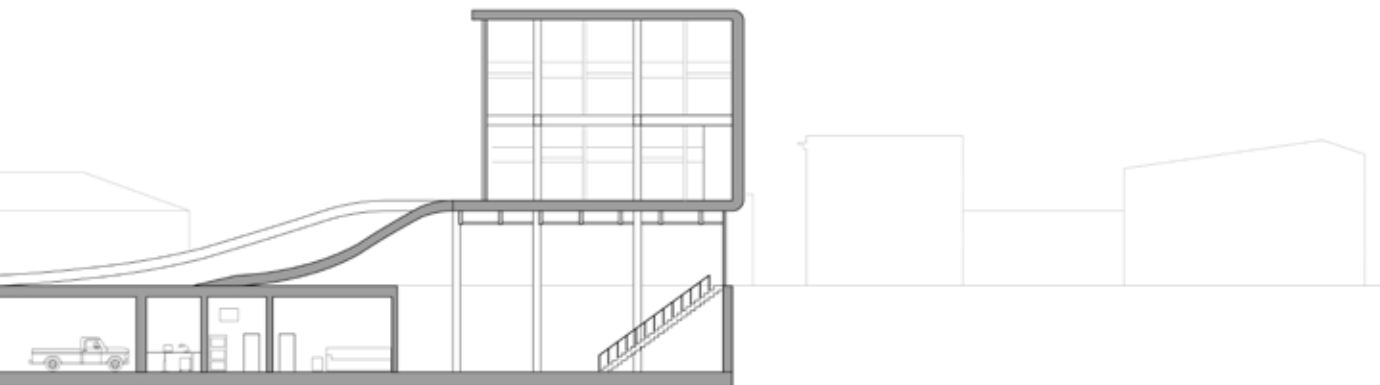
Section 1



Section 2



Section 3



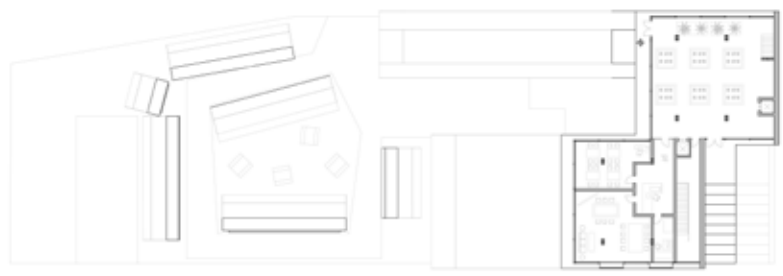
1/16" = 1'0" 0 12 24 36 48 60 FT



Egress Diagram



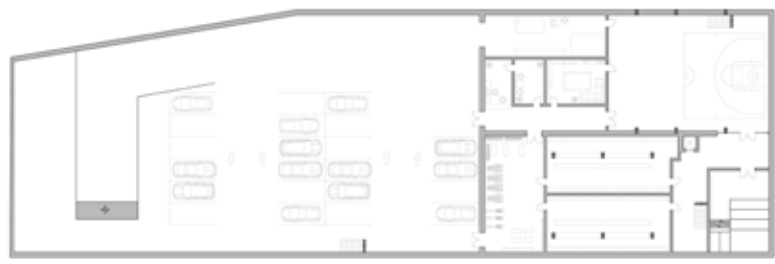
Third Floor



Second Floor



First Floor



Basement

Growing Presence

Chase A. Carpenter

University at Buffalo

Bachelor of Science in Architecture '23

Master of Architecture '25

Undergraduate Project Portfolio - 2020-2023

Graduate Project Portfolio - 2022-2024

Post-Graduate Portfolio -2024-Present

Table of Contents

K-12 Revit Modeling	66-69
School Cafeteria	70-71
Color Blocking Gym	72-77

K-12 Revit Modeling

Location: Buffalo, NY

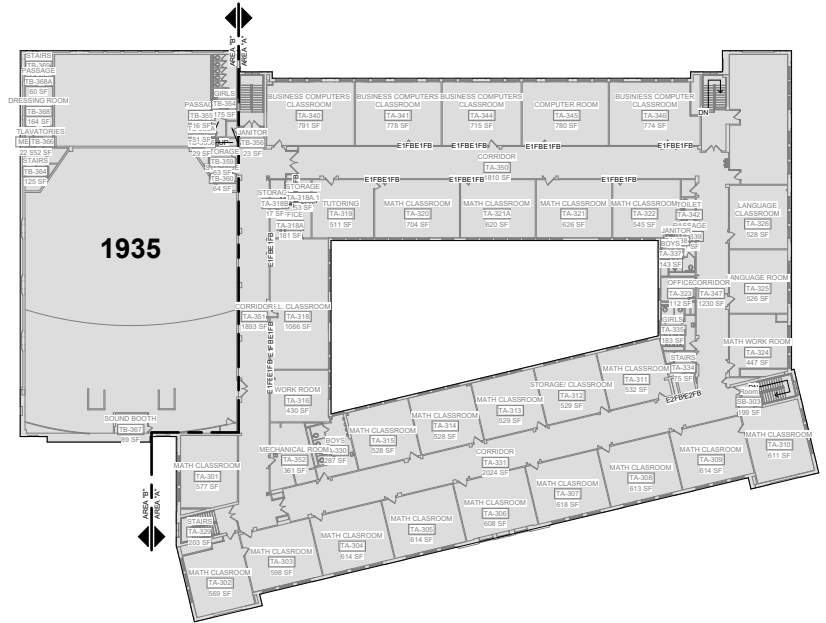
Program: K-12 Schools and

Associated Buildings

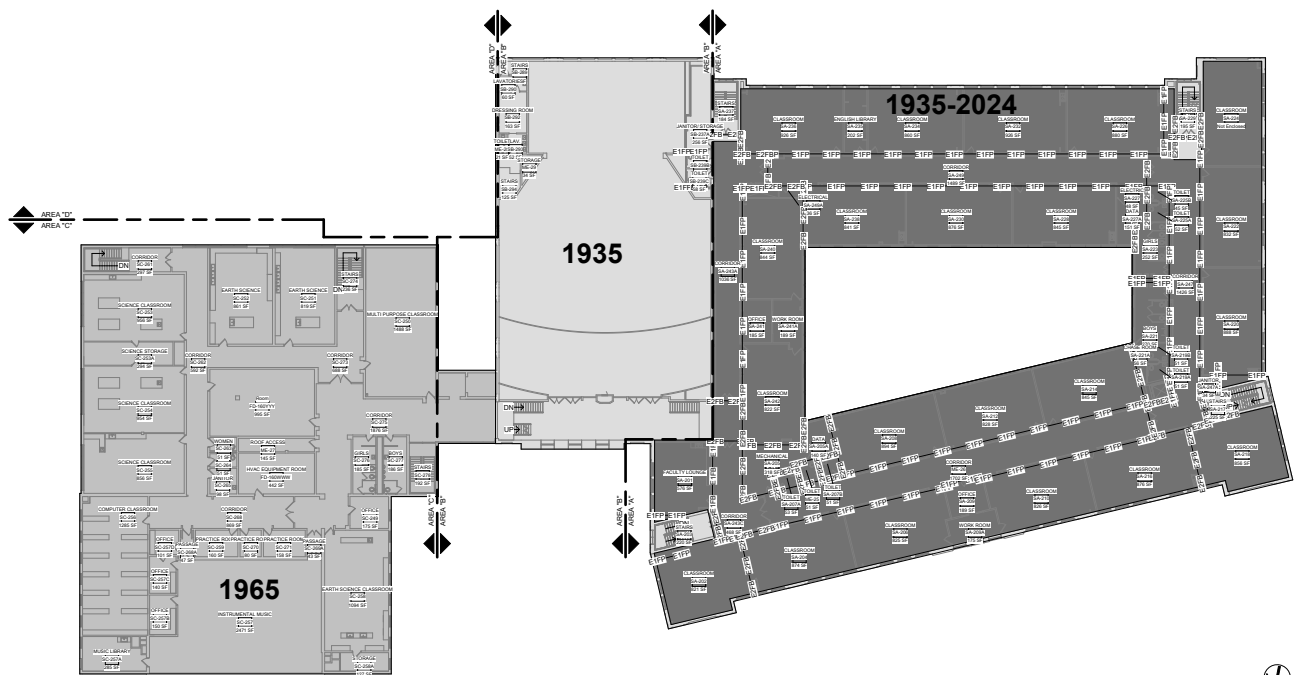
Employer: Young & Wright Architects

Dec 2022 - Present

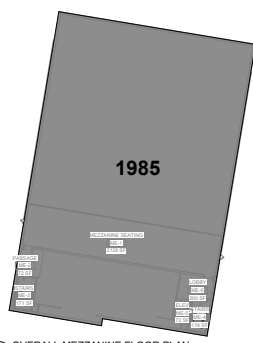
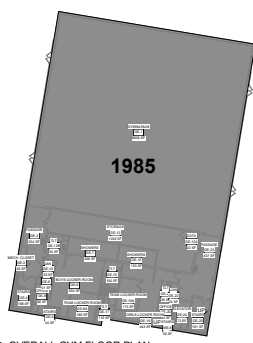
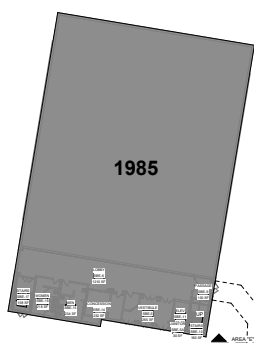
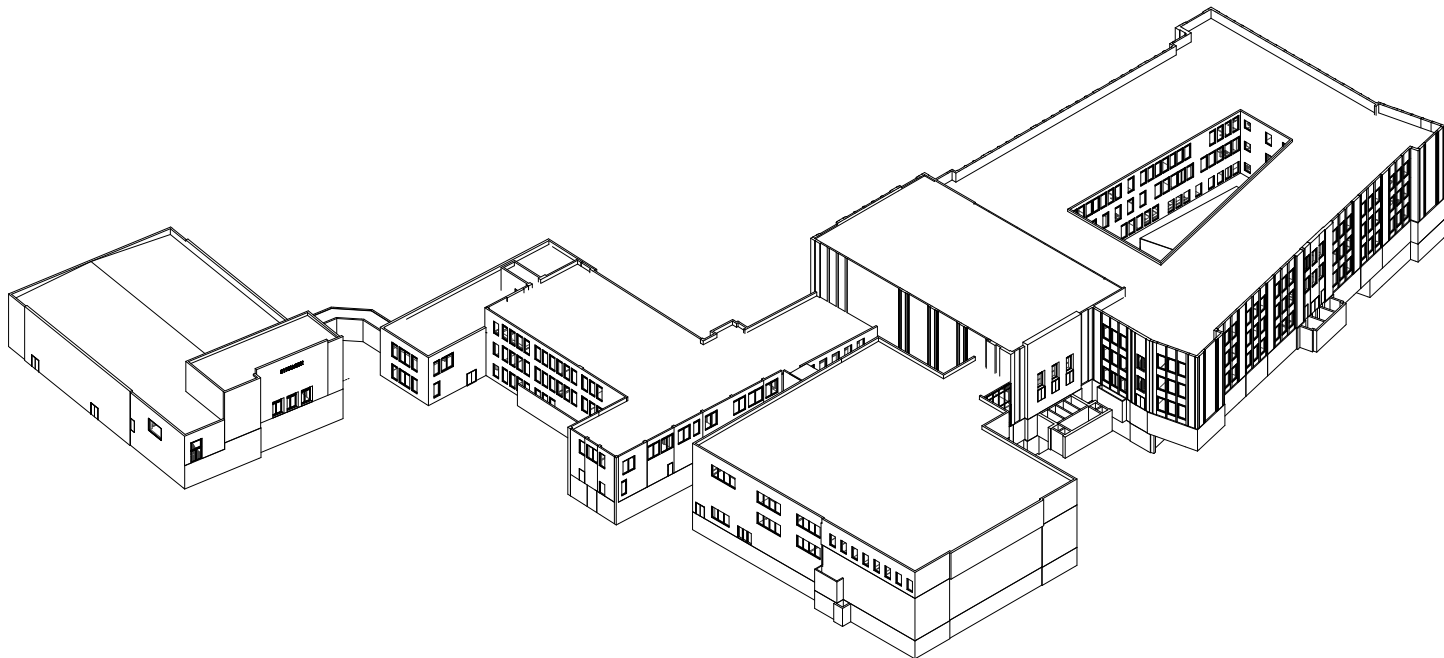
During my time at Young & Wright I spent 2 years as an intern while in graduate school. I worked with various teams in the firm building Revit basefiles for new and existing jobs. Working from existing drawings, images and measuring in field I have built out nearly 30 basefiles for the firm. These contain full sheet layouts for production of all drawings including, plan, section, elevation, demo, code compliance, RCP, detail, door & window. I have also worked with these files through many phases of a project continuing them throughout additions and construction.



② OVERALL 3RD FLOOR PLAN
SCALE: 1" = 20'-0"



① OVERALL 2ND FLOOR PLAN
SCALE: 1" = 20'-0"



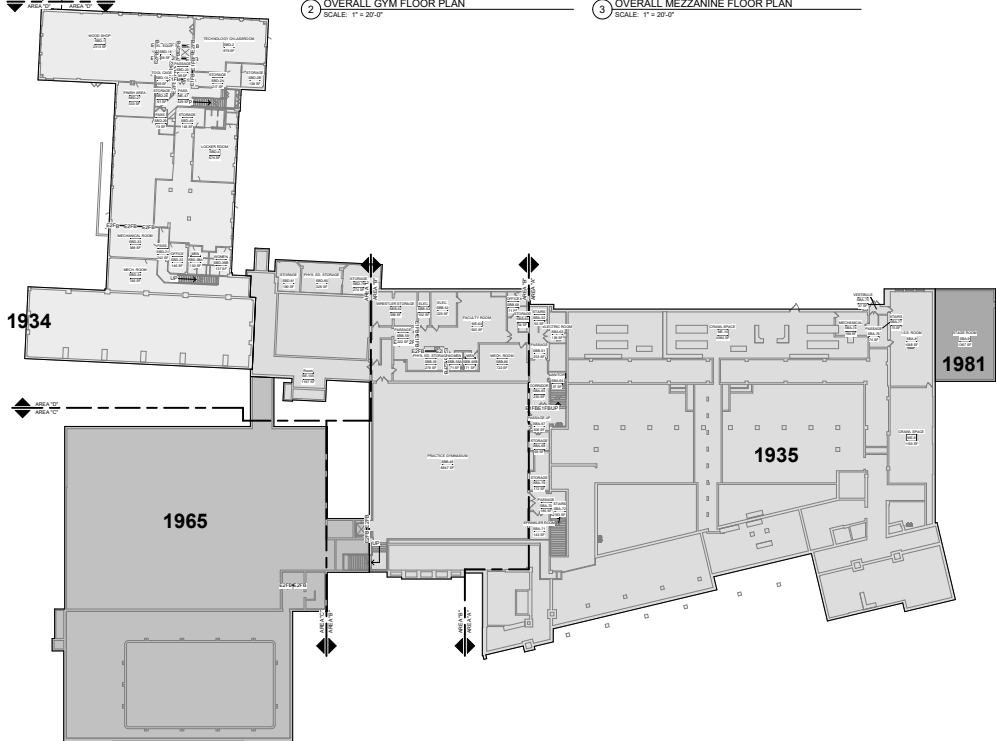
2 OVERALL GYM FLOOR PLAN
SCALE: 1" = 20'-0"

3 OVERALL MEZZANINE FLOOR PLAN
SCALE: 1" = 20'-0"

GENERAL FIRE RATING NOTES

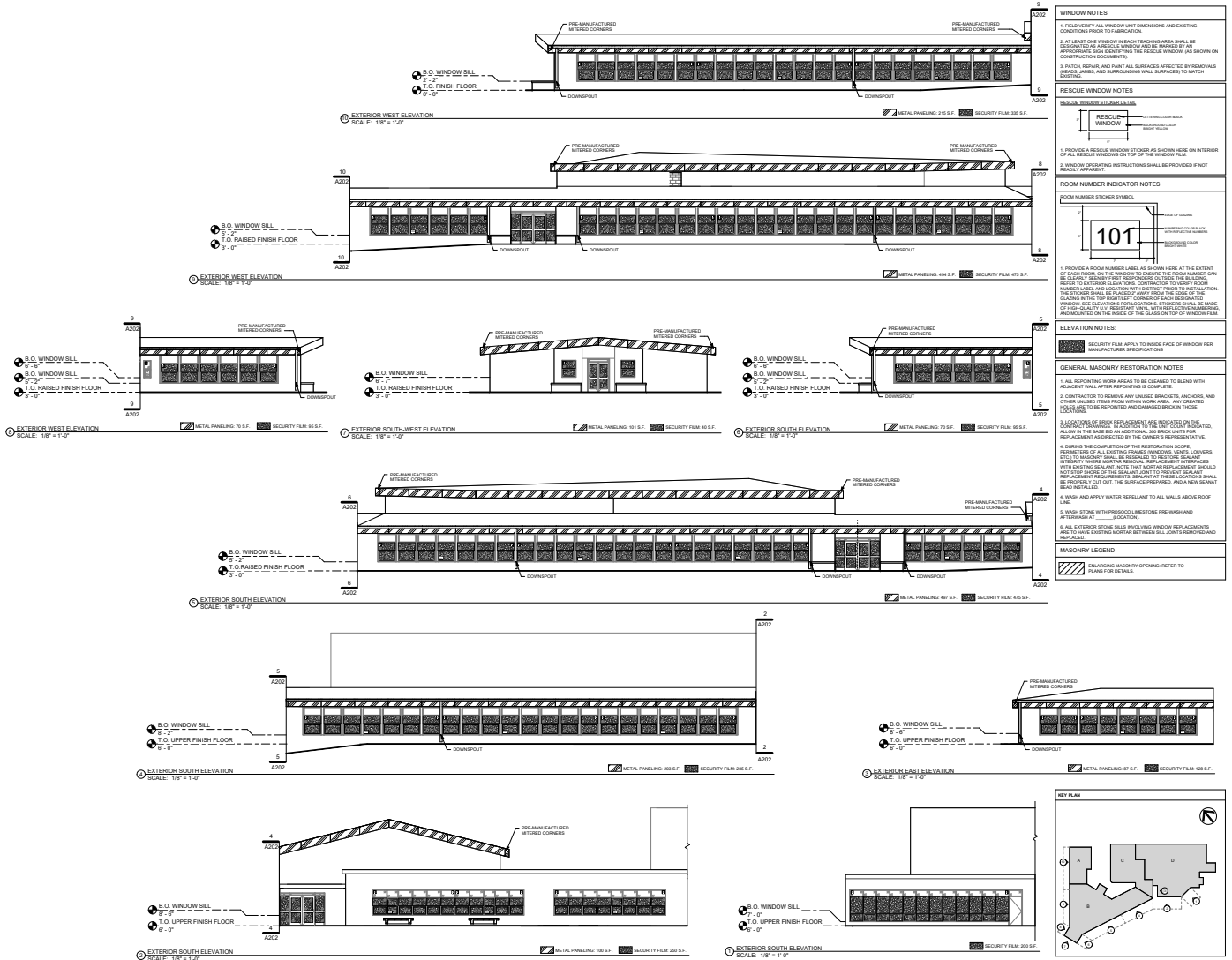
1. USE FIRE RATINGS IDENTIFIED ON THE PLANS AS THE ASSUMED 2-HOUR FIRE WALL AND THE RANGES FROM THE RECORD DRAWINGS.
2. ASSUME THE FOLLOWING TO BE 2-HOUR FIRE RATED:
 - SOLAR HEATED OR COOLING ROOMS
 - REFRIGERATION ROOMS WHICH HOUSE EQUIPMENT THAT USES FLAMMABLE REFRIGERANT
 - ELECTRICAL CONTROL ROOMS
 - EMERGENCY GENERATOR ROOMS OR ROOMS HOUSING EQUIPMENT WHICH USES ANY FLAMMABLE LIQUID
 - ELECTRICAL CONTROL ROOMS
 - STORAGE ROOMS FOR FUEL, FLAMMABLE LIQUIDS OR GAS-POWERED EQUIPMENT
3. ASSUME THE FOLLOWING TO BE 1-HOUR FIRE RATED:
 - ALL CORRIDOR WALLS
 - ALL STAIRWELL WALLS & ELEVATOR SHAFTS
 - ALL ELEVATOR ENCLOSURES
 - ALL SHIP ENCLOSURES
 - ME & ART ROOMS, WASH SPACES, STEM LABS, OR SCIENCE LABS
 - COMPUTER AND INFO OPERATIONAL ROOMS
 - HOME AND CAREER ROOMS WITH BOOKING EQUIPMENT
 - STORAGE ROOMS OVER 100 SQ. FT.
 - STORAGE ROOMS OVER 100 SQ. FT.
 - COMMERCIAL KITCHENS
4. ANY EXISTING LABELLED WALL ASSEMBLY OVER RULES THE ABOVE ASSUMPTIONS.

FIRE RATING LEGEND	
---	2-HOUR RATED FIRE BARRIER
---	1-HOUR RATED FIRE BARRIER
---	EXISTING 2-HOUR RATED FIRE BARRIER
---	EXISTING 1-HOUR RATED FIRE BARRIER

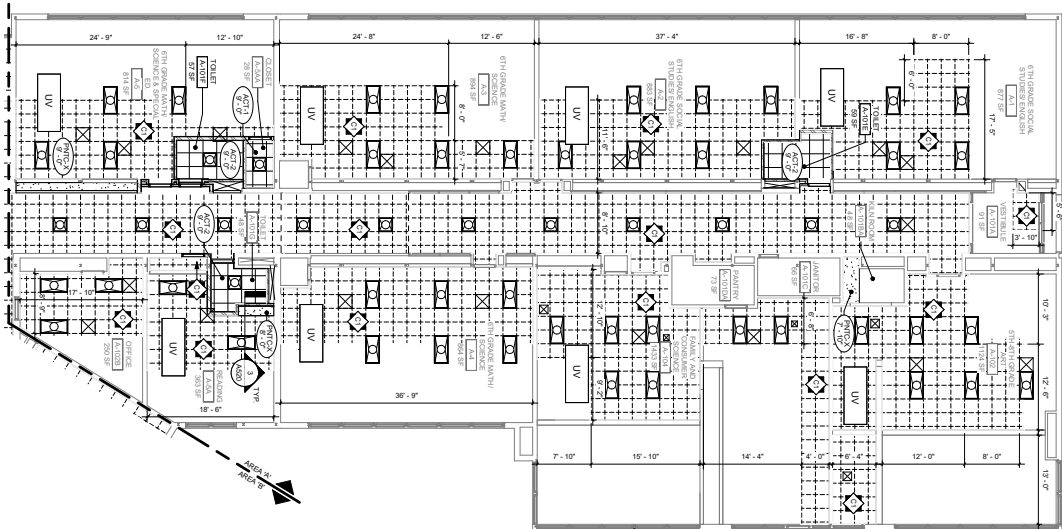


1 OVERALL SUB BASEMENT FLOOR PLAN
SCALE: 1" = 20'-0"





ALTERNATE 5th FLOOR BELECTED CEILING PLAN - AREA X.
SCALE: 1/8" = 1'-0"



NOTE:
ALL CEILING SILL ARE REMOVED AND REINSTALLED TO MATCH EXISTING. ALL EXISTING CEILING SILL TO BE REPAIRED AND MATCHED TO EXISTING. ALL NEW CEILING SILL TO BE INSTALLED TO MATCH EXISTING. ALL CEILING SILL TO BE INSTALLED TO MATCH EXISTING.

School Cafeteria

Location: Buffalo, NY

Program: K-12 Schools and
Associated Buildings

Employer: Young & Wright Architects

Dec 2022 - Present

These are two elementary school cafeteria options I created as a proposals for a large capital improvement project. The options are fully modeled in revit and rendered in lumion. The proposals feature three different cloud ceilings, one created using grasshopper to model the acoustic bands that trace the lighting. Along with that there are two different case work options with either storage or a reading nook— for after school programs. Along with these aesthetic changes the renovation consisted of a full kitchen and serving line remodel.





Color Blocking Gym

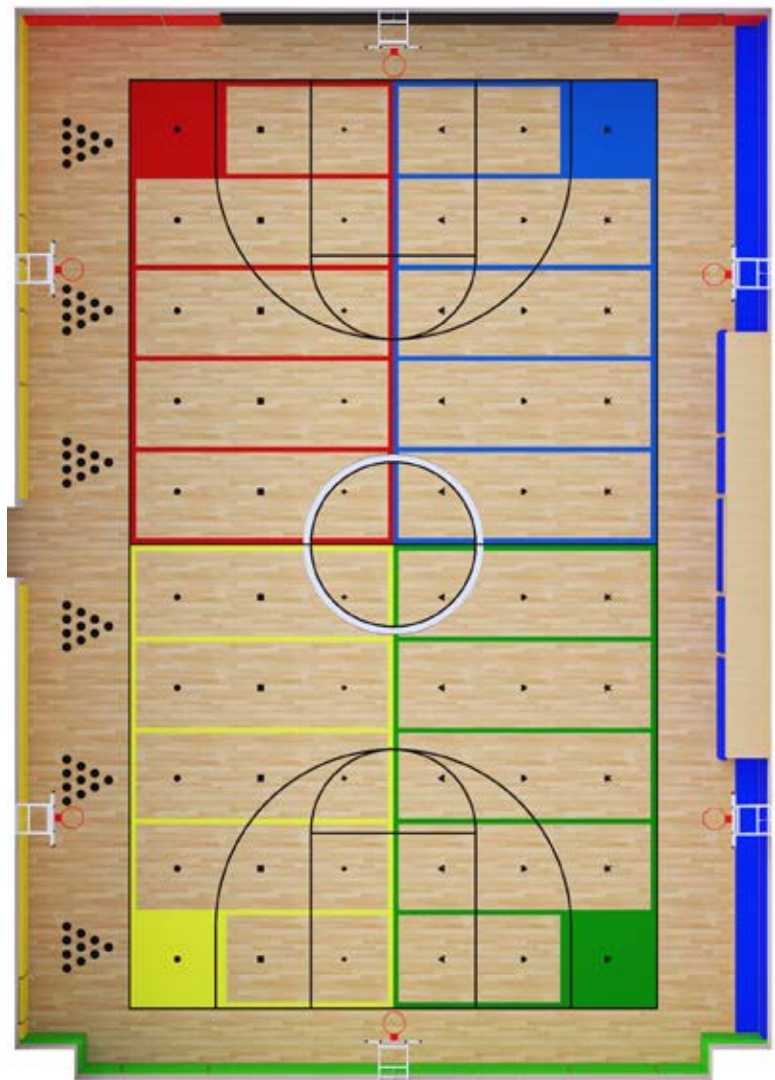
Location: Buffalo, NY

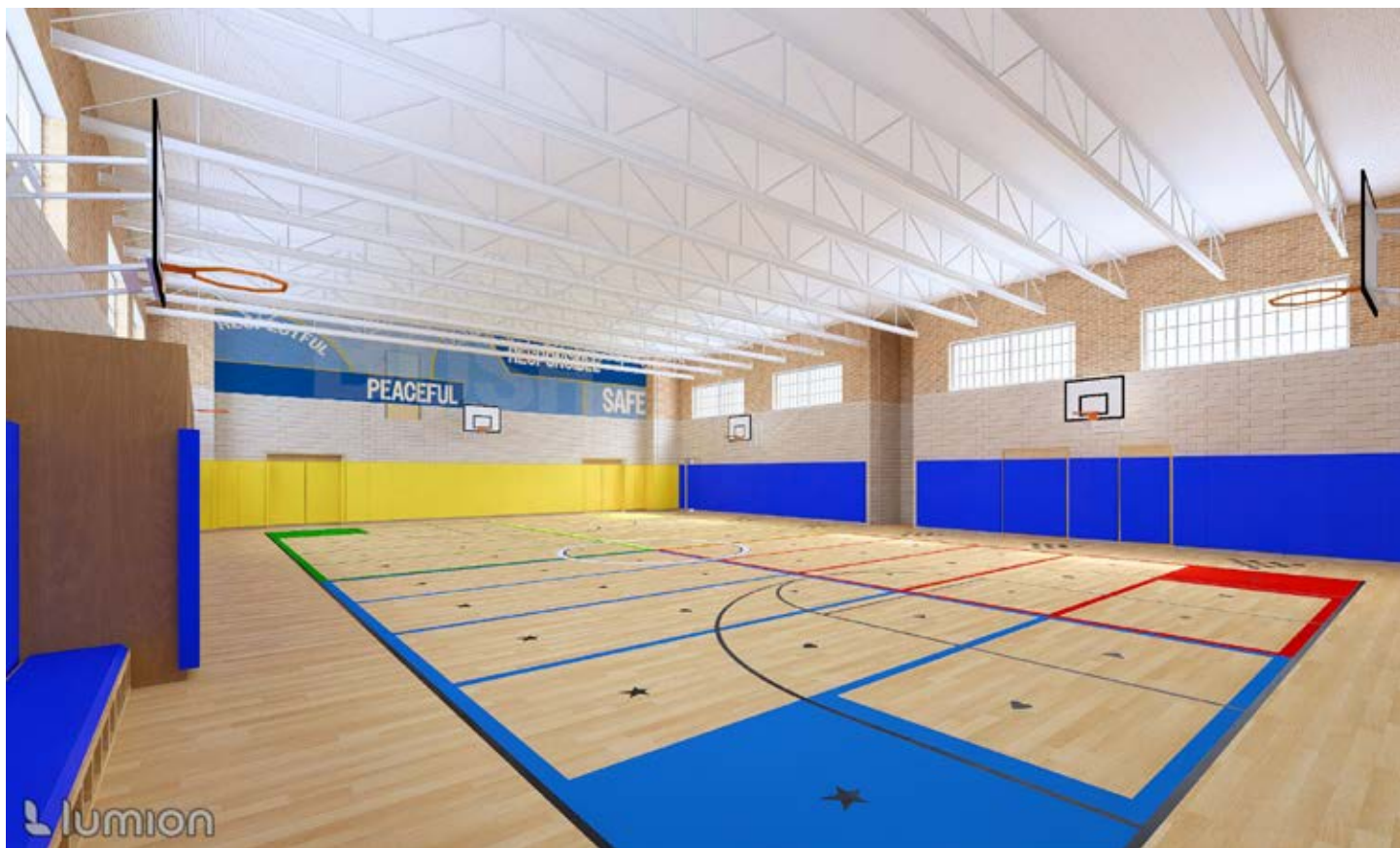
Program: K-12 Schools and
Associated Buildings

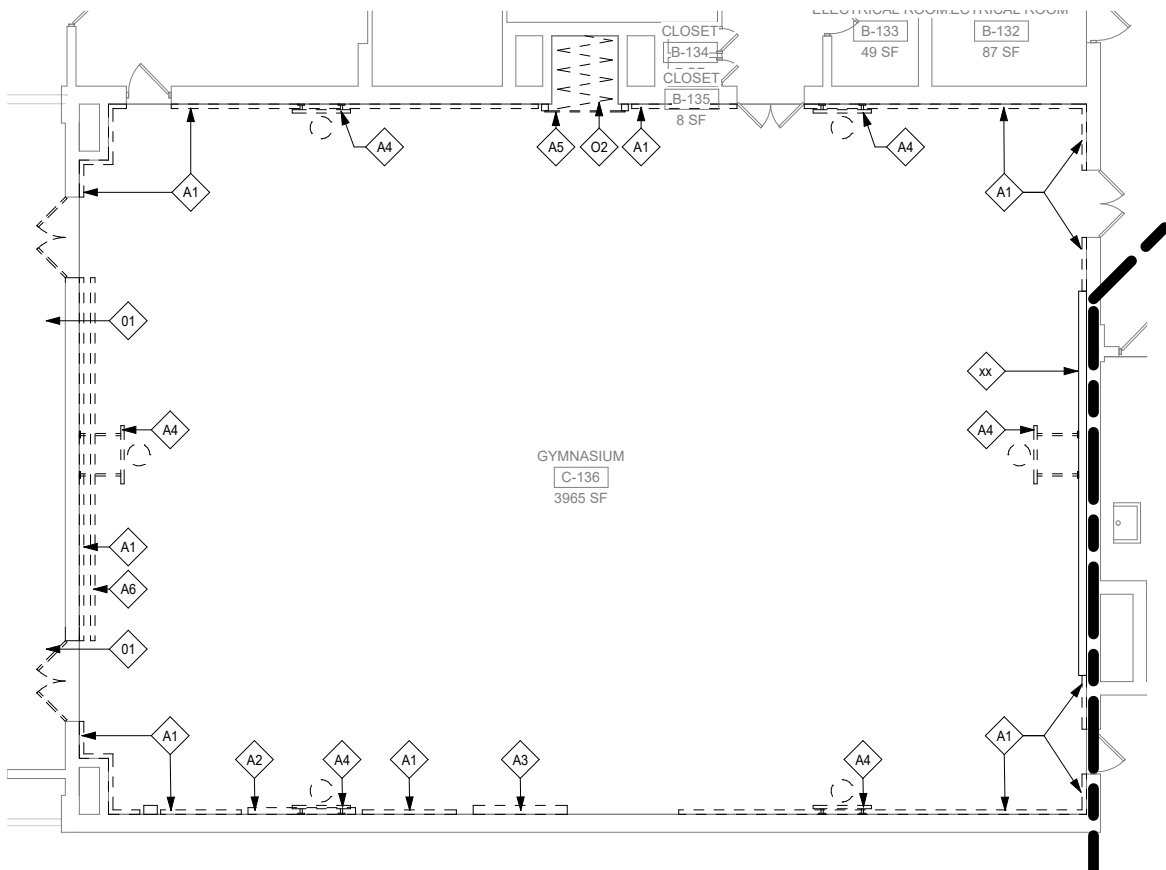
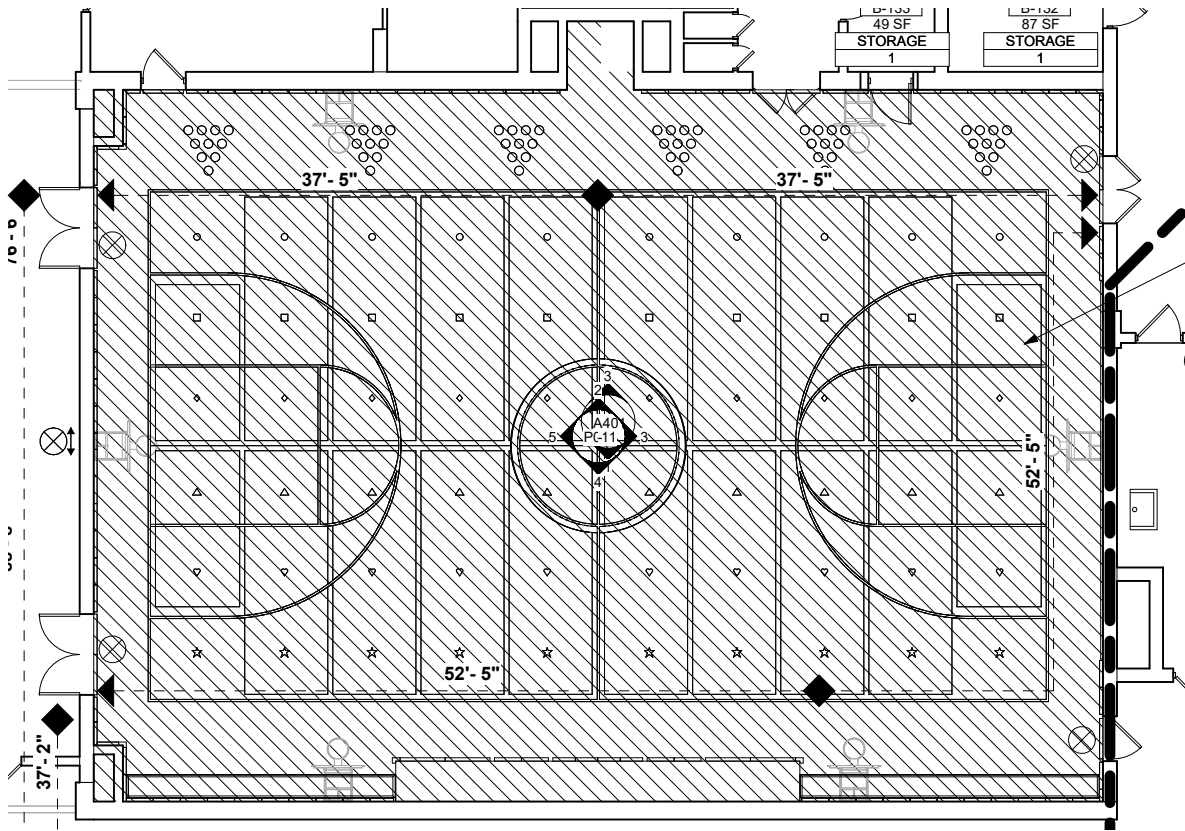
Employer: Young & Wright Architects

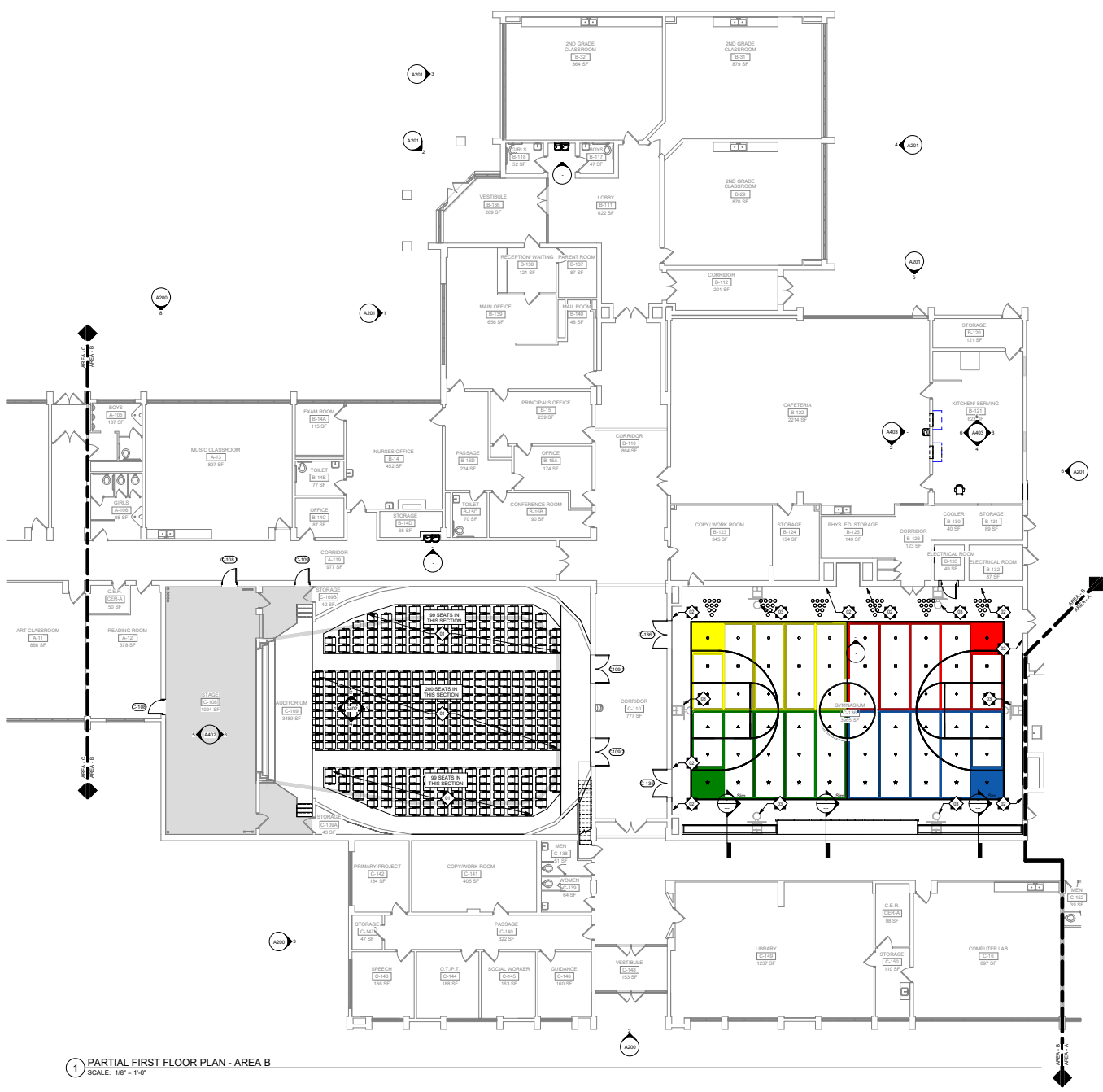
Dec 2022 - Present

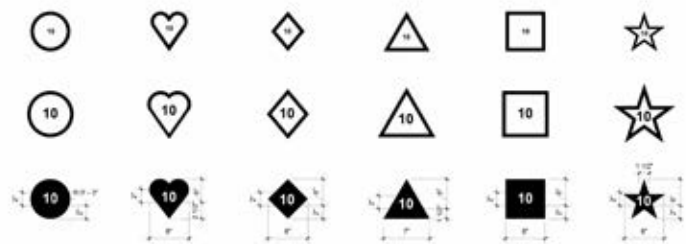
The color block gymnasium was the first project I took from concept to finalized design. Through multiple one on one user group meetings with the gym teachers we created the gym floor tailored to organizing young students. This floor contains basketball, color coordinated “bases” with relay lines, bowling, and a shapes and numbers system. This allows the teacher to divide students into different group denominations. These floor spots also correspond with the storage cubicles that are part of the custom casework. The casework is designed specifically to accommodate the current rolling cart system commonly used throughout the school district.



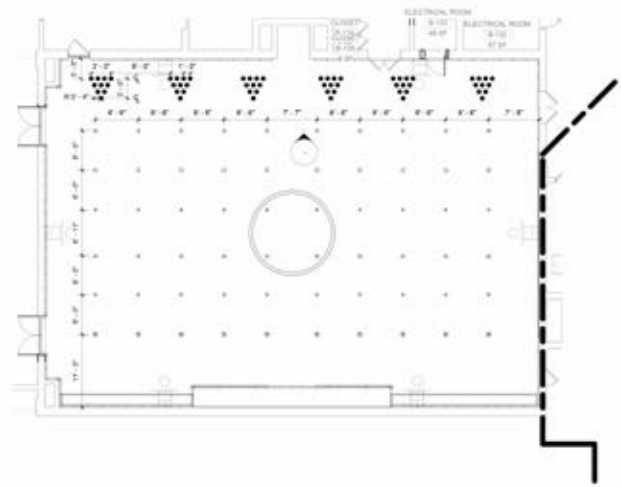




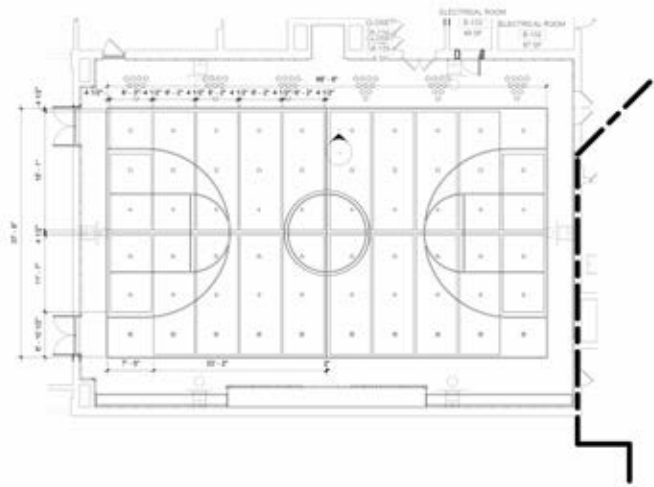




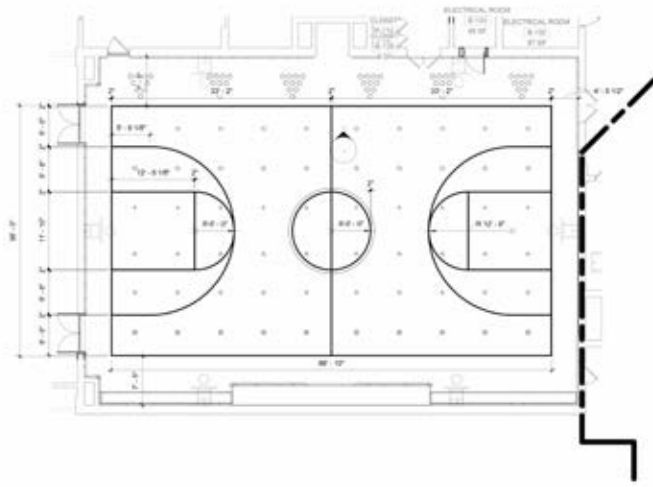
5 Enlarged Standing Spots
SCALE: 1 1/2" = 1'-0"



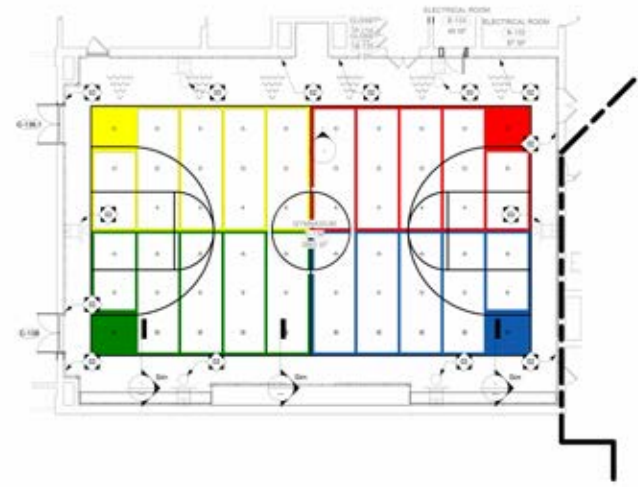
4 FIRST FLOOR PLAN - OVERALL STRIPING PLAN 2 Copy 1
SCALE: 1/8" = 1'-0"



3 FIRST FLOOR PLAN - OVERALL STRIPING PLAN 2
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR PLAN - OVERALL STRIPING PLAN 1
SCALE: 1/8" = 1'-0"



1 FIRST FLOOR PLAN - OVERALL - GYM STRIPING PLAN
SCALE: 1/8" = 1'-0"