



**MATTHEW KINNALLY**

**P O R T F O L I O**

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COMMUNITY CENTER FOR BUFFALO NEIGHBORHOOD

## SHEETZ TAYLOR, MI

JULY 2024

CLIENT: SHEETZ, INC.

EMPLOYER: APD ENGINEERING & ARCHITECTURE

POSITION: PROJECT DESIGNER

This project, located in Taylor, Michigan, is one of over 20 similar projects completed for this client within 2024. Discussions with the client, as well as consultants for the structural and MEP portions of the project, took place throughout the design process. Coordination occurred between disciplines to ensure the needed changes from prototype were made for each project, organized and overseen by myself and the senior architect. I then assembled both the completed initial progress set for approval and the eventual final permit set.

SENIOR  
ARCHITECT  
Michael Verrastro

**SHEETZ**

**NEW SHEETZ STORE  
TAYLOR  
CHAMPAIGN STREET  
INT. OF CHAMPAIGN STREET  
AND TELEGRAPH ROAD  
TAYLOR, MI 48180**

**PROJECT LOCATION**

**PROJECT CONTACTS**

**PROJECT DRAWING INDEX**

**BUILDING DATA**

**PERMIT REVIEW**

NO.	DATE	DESCRIPTION
1	7-19-2024	ISSUE
2	7-19-2024	PERMIT
3	7-19-2024	REVISION

**COVER SHEET**

**G001**

**PERMIT REVIEW DRAWINGS**

Cover Sheet of Permit Set



Rear Elevation



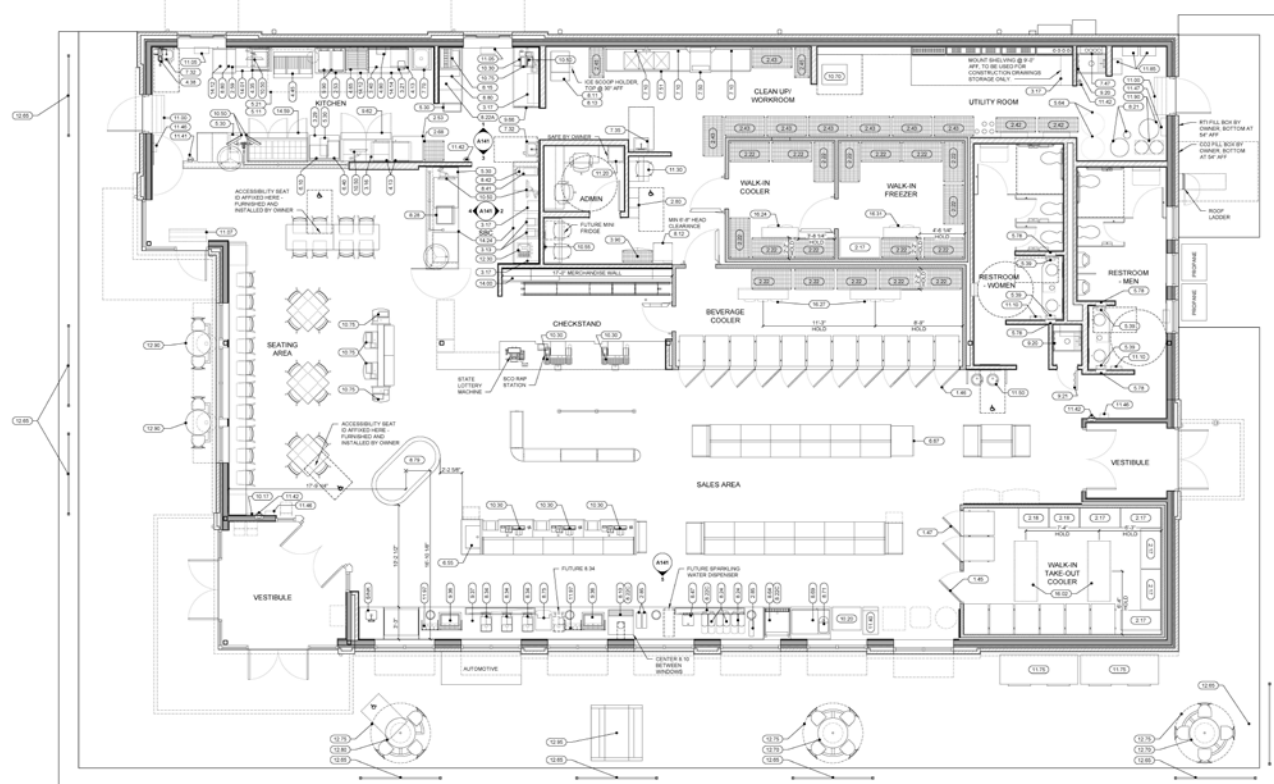
Left Elevation



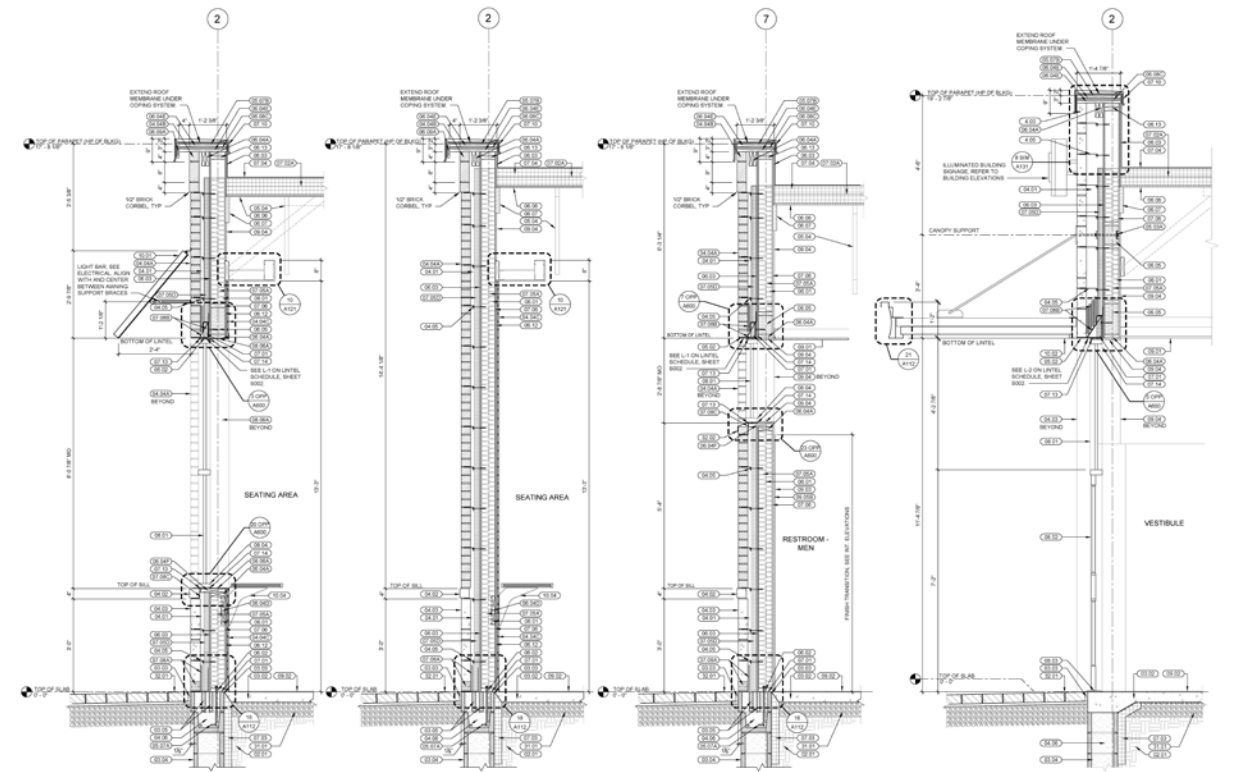
Right Elevation



Front Elevation



Equipment Plan



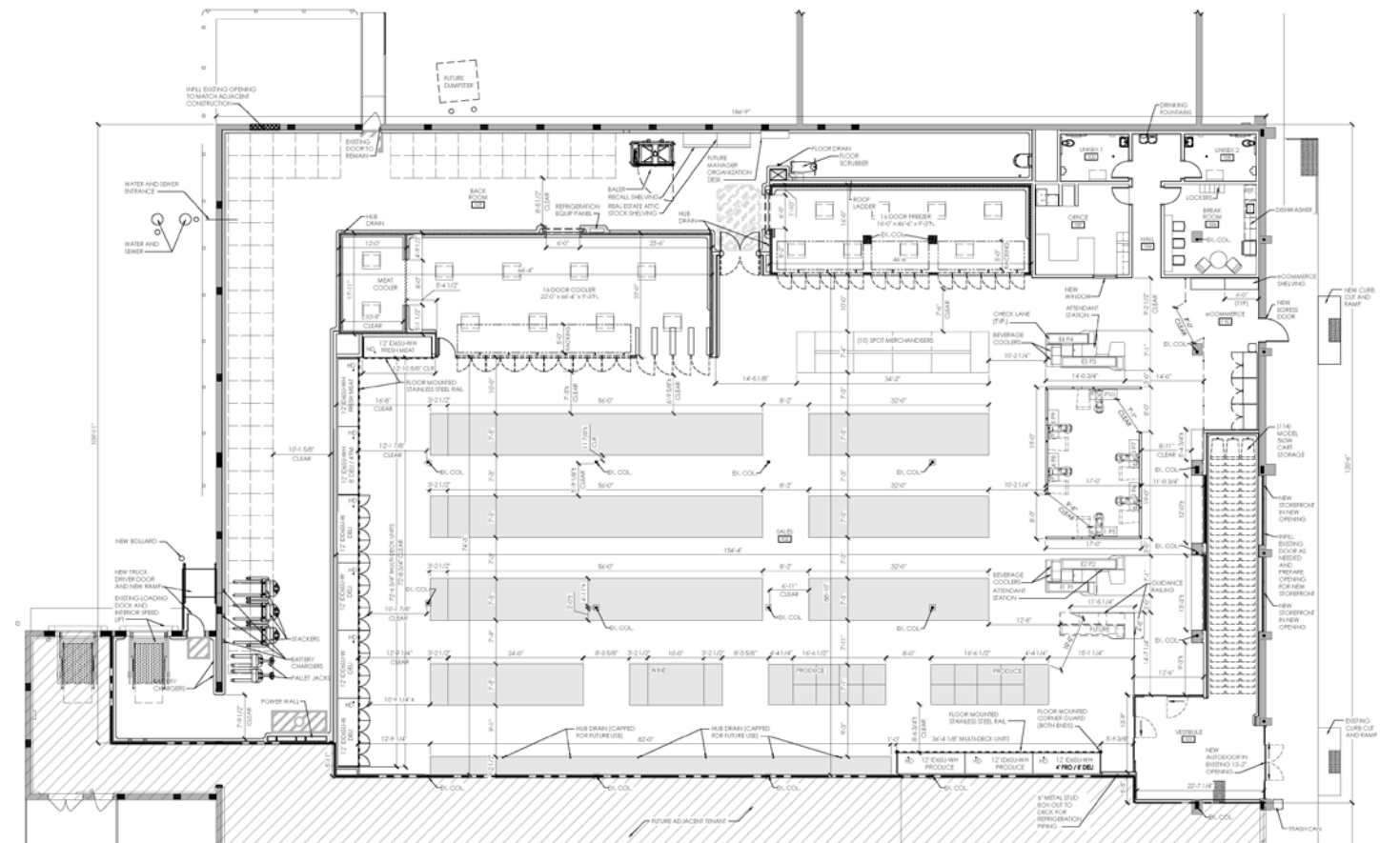
Wall Sections

## ALDI JACKSONVILLE, FL

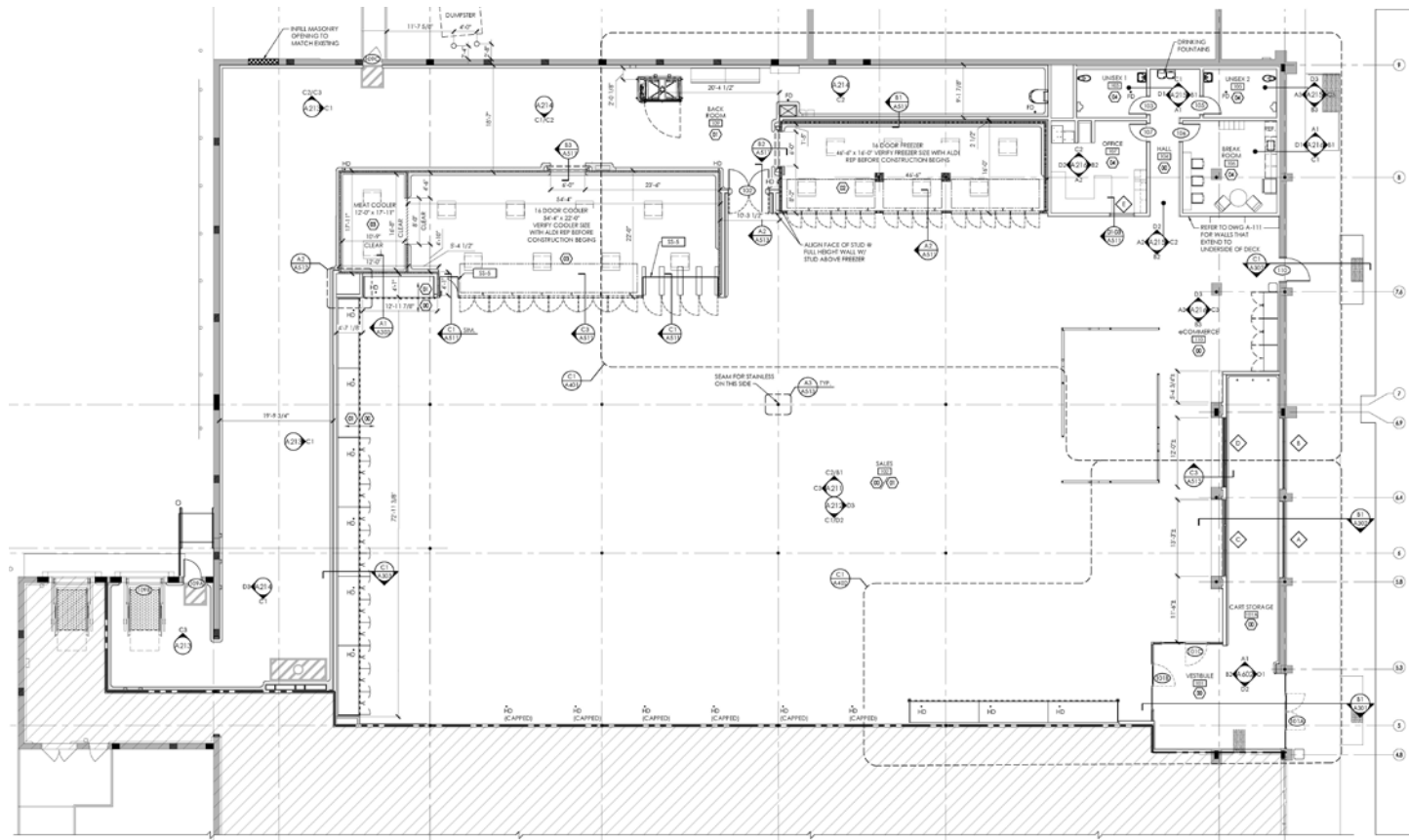
AUGUST 2024

CLIENT: ALDI, INC. (SOUTHEASTERN GROCERS)  
EMPLOYER: APD ENGINEERING & ARCHITECTURE  
POSITION: PROJECT DESIGNER

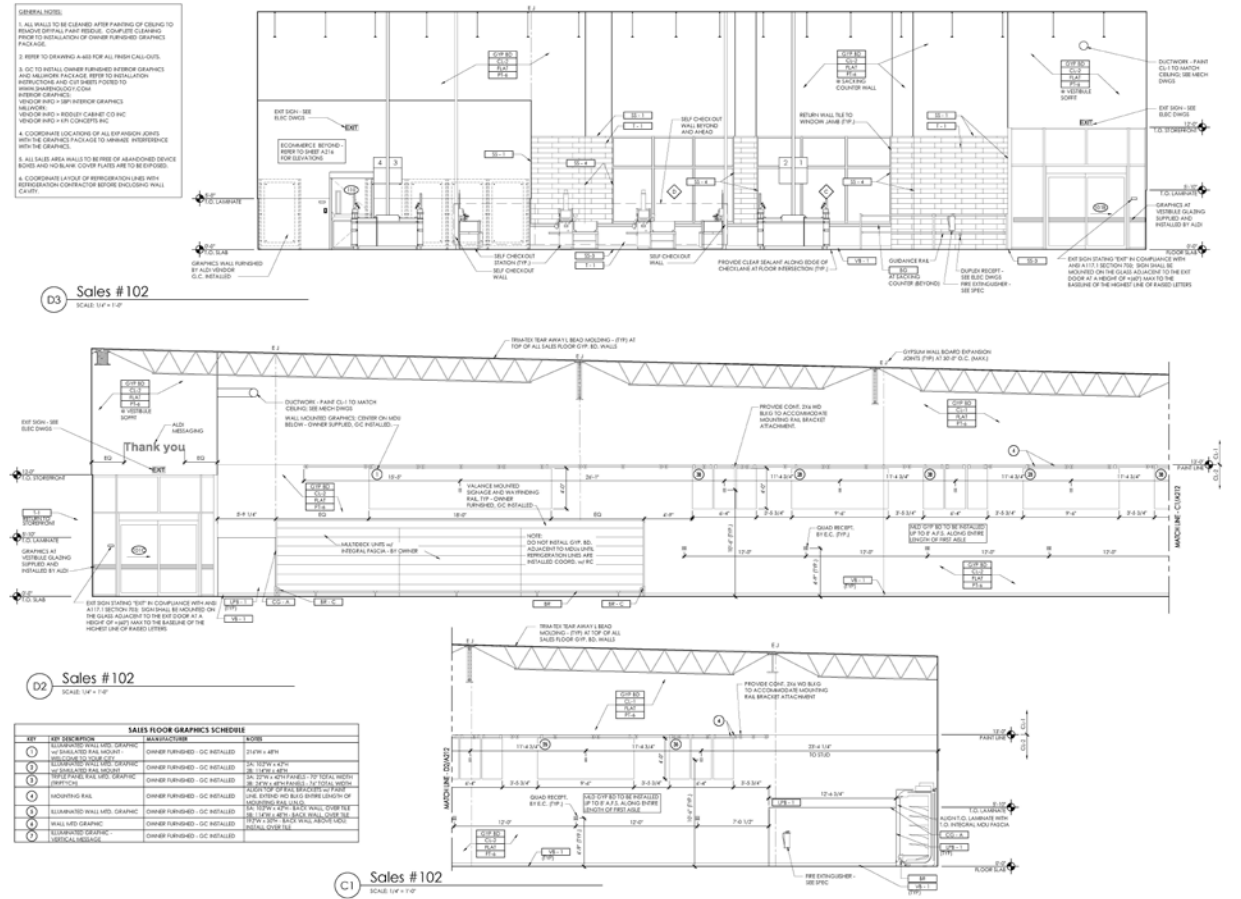
Projects completed for this client during 2024 were retrofits of existing structures. As Project Designer, the work was centered around the details, from annotating a variety of plans to display information, to the creation of a multitude of interior elevations. From material types, finishes, and equipment identification, these drawings made up a portion of a much larger set assembled through the collaboration with various field of engineering (structural, mechanical, and electrical), all from within the same company as the architectural team.



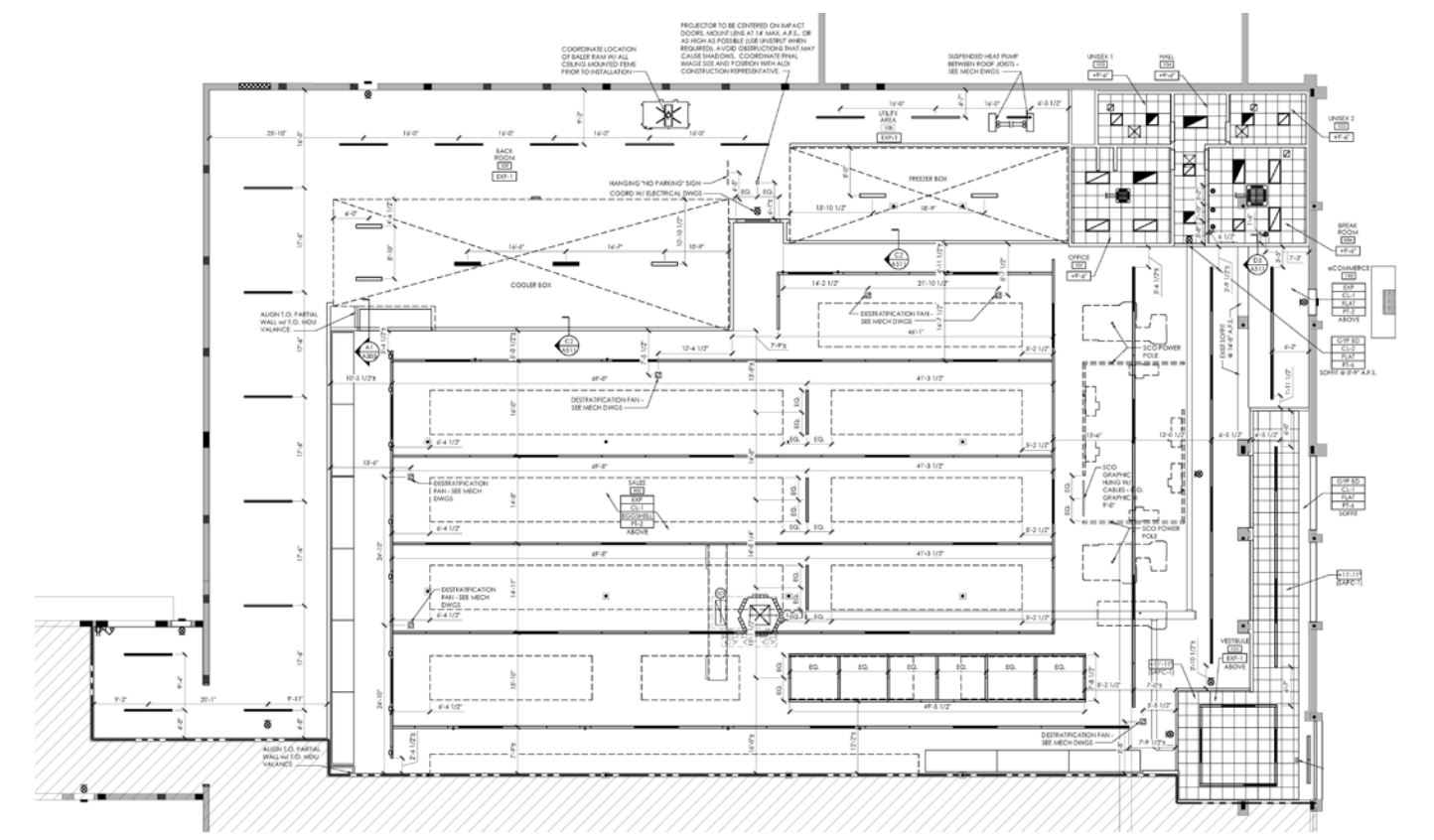
Operations Floor Plan



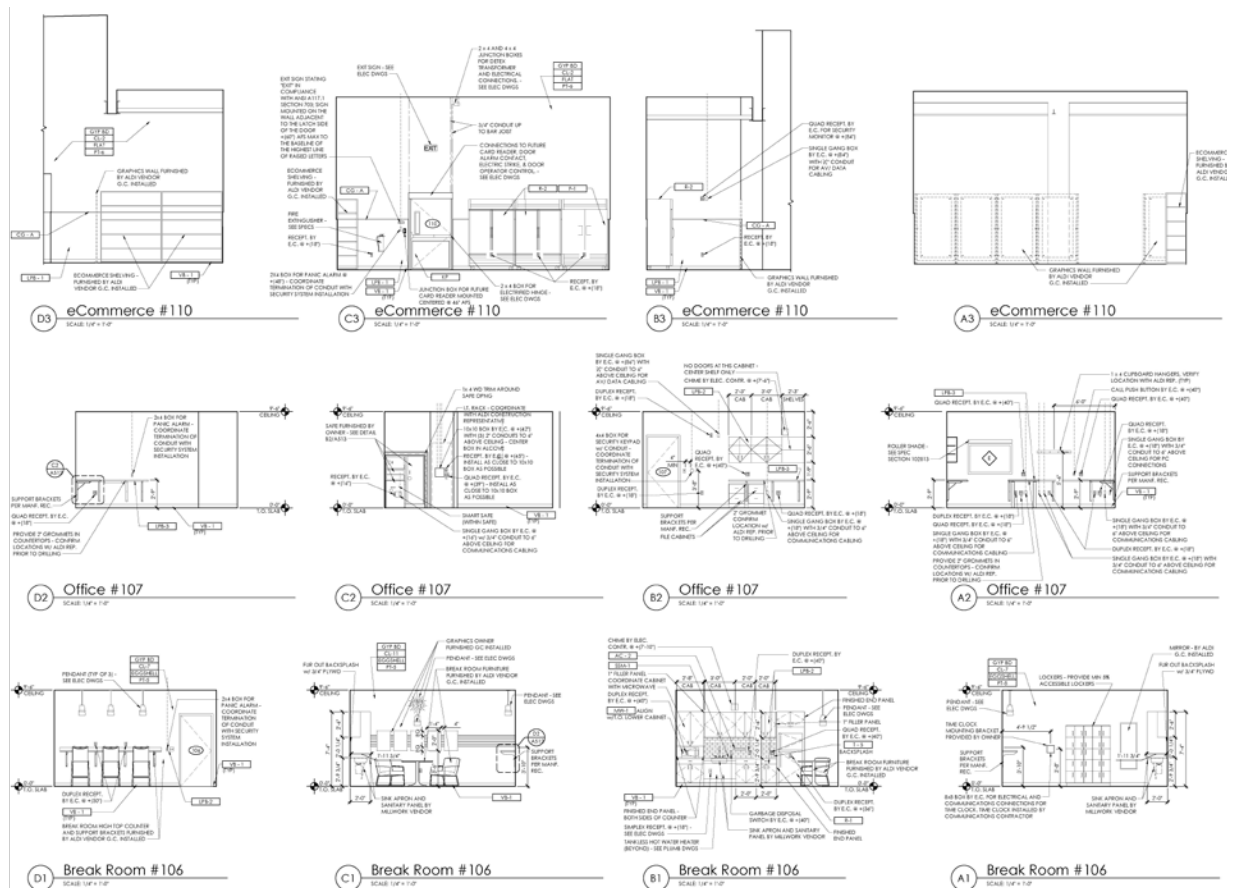
Keyed Notes Plan



Interior Elevations



Reflected Ceiling Plan



Interior Elevations

# 3

## HUERTA COMUNITARIA

SUMMER 2023

ARC606: GRADUATE STUDIO

STUDY ABROAD: COSTA RICA

PROFESSOR: STEPHANIE CRAMER

Located in the neighborhood of Cerro Plano in the Monteverde region of Costa Rica, the Huerta Comunitaria is a unique place with a rich history. Originally a bull fighting arena, the remnants were serving as a community garden and occasional farmers market. Working with the owner and the environmental organization Corclima, the initial objective was to improve the existing conditions of the building in order to increase safety and usability. From there the project scope was expanded from solely a community garden into a CULTURAL and EDUCATIONAL hub that pays homage to the building's past lives as well as addressing the needs of the surrounding community. Not only looking at ways to improve the building, but the entire site as a whole, maximizes the potential usage and creates a place that the entire town can enjoy and feel proud of.

### CO-DESIGNERS

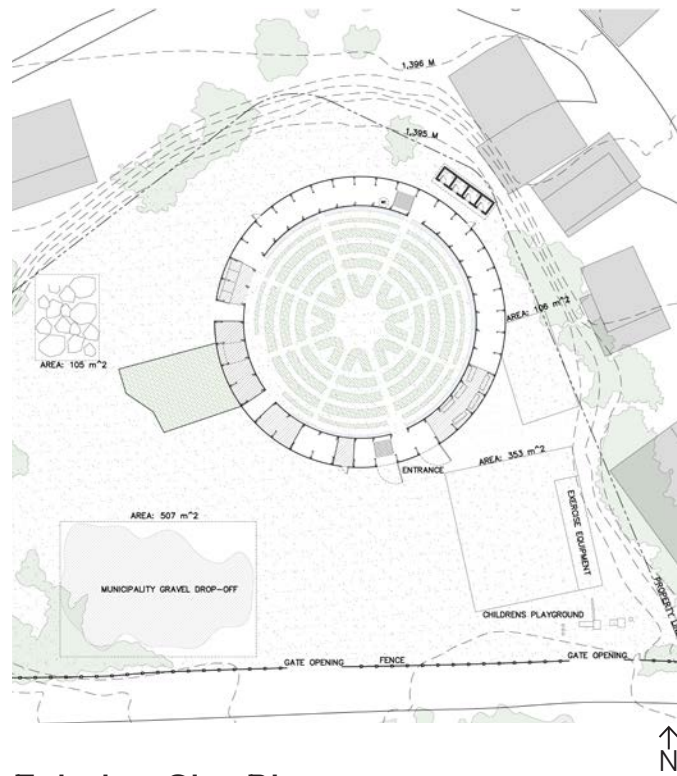
Jasmin Ferreiras

Faith Vale

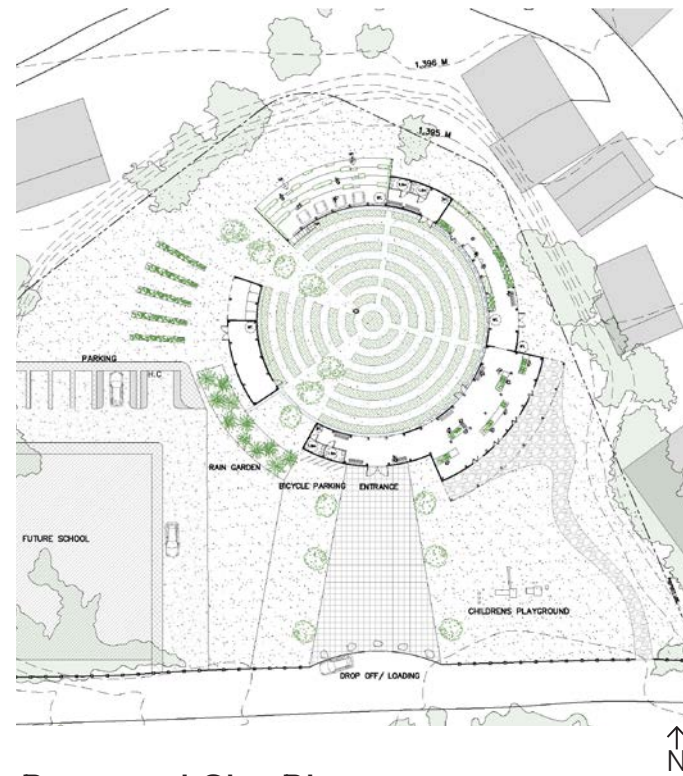
Xinyi Qiu



Market Render



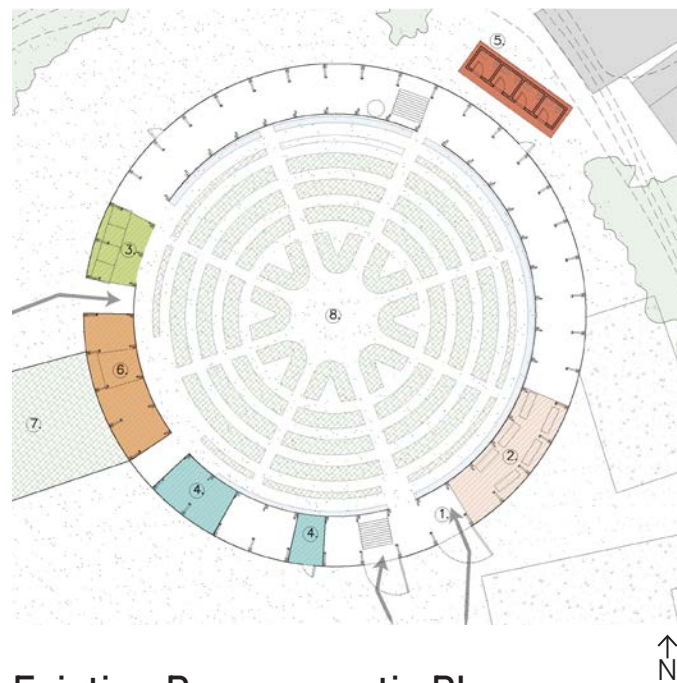
Existing Site Plan



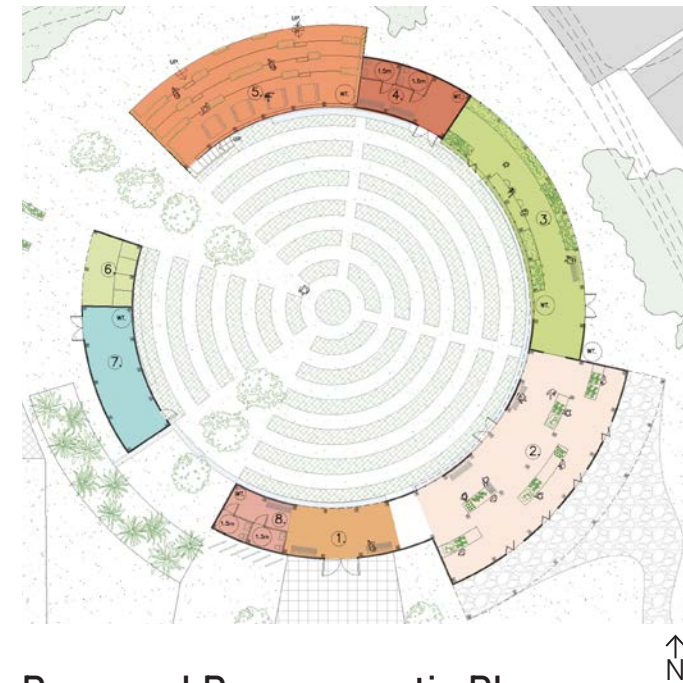
Proposed Site Plan



Entrance Render



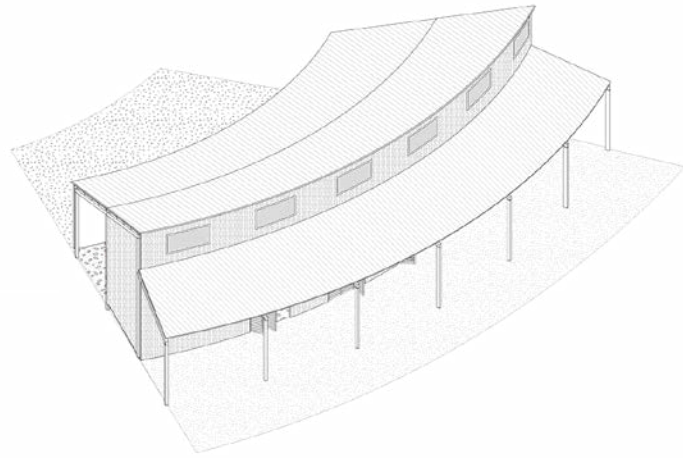
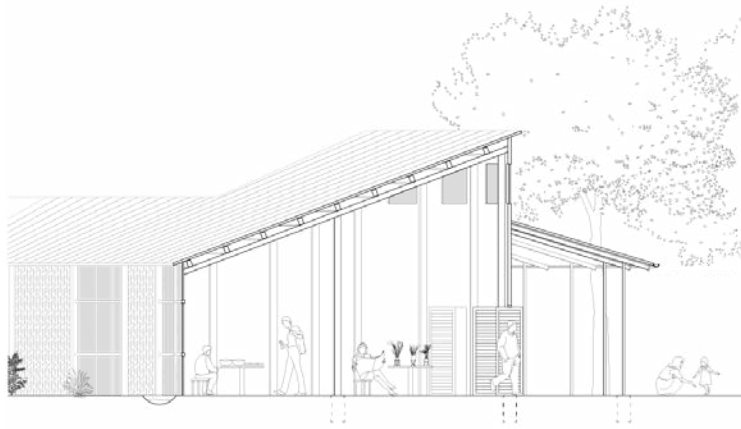
Existing Programmatic Plan



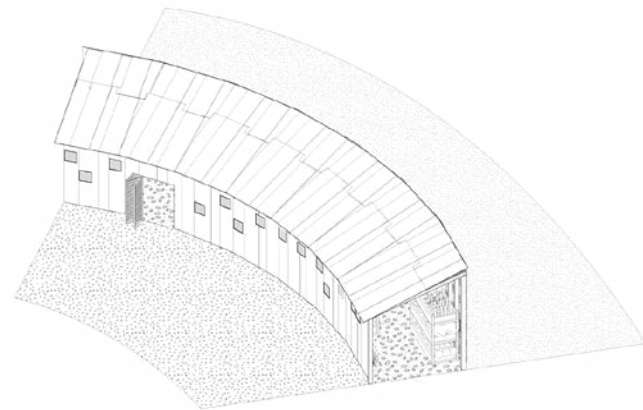
Proposed Programmatic Plan



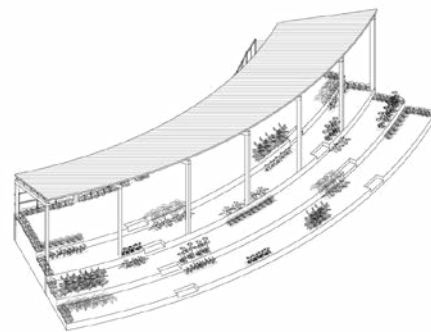
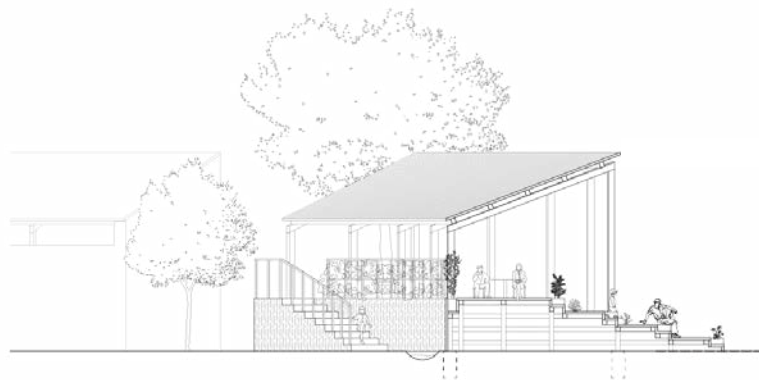
Interior Garden Render



Marketplace Section and Vignette



Greenhouse Section and Vignette



Terrace Garden Section and Vignette



Terrace Garden Render



Greenhouse Render

# MAKING SENSE

FALL 2022

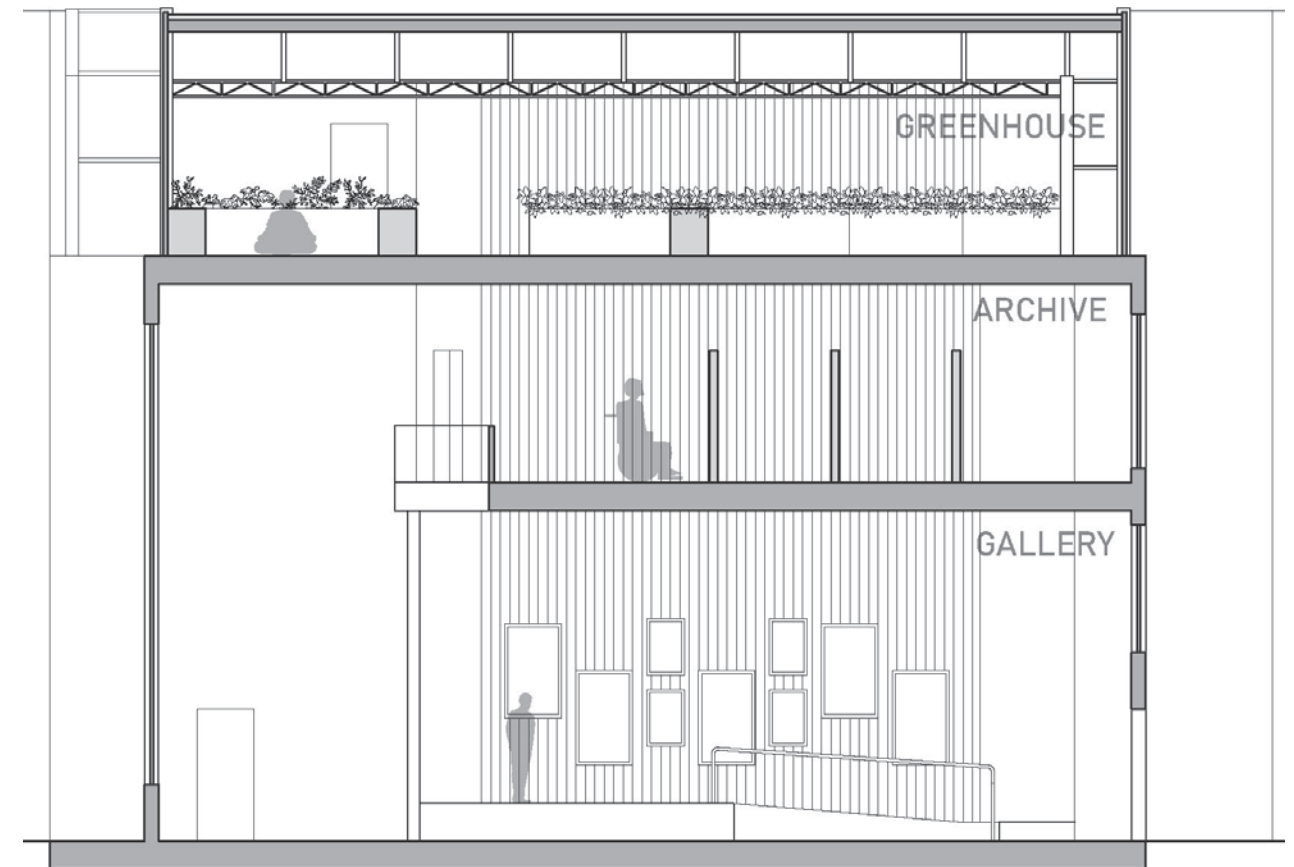
ARC605: GRADUATE STUDIO

UNIVERSITY AT BUFFALO

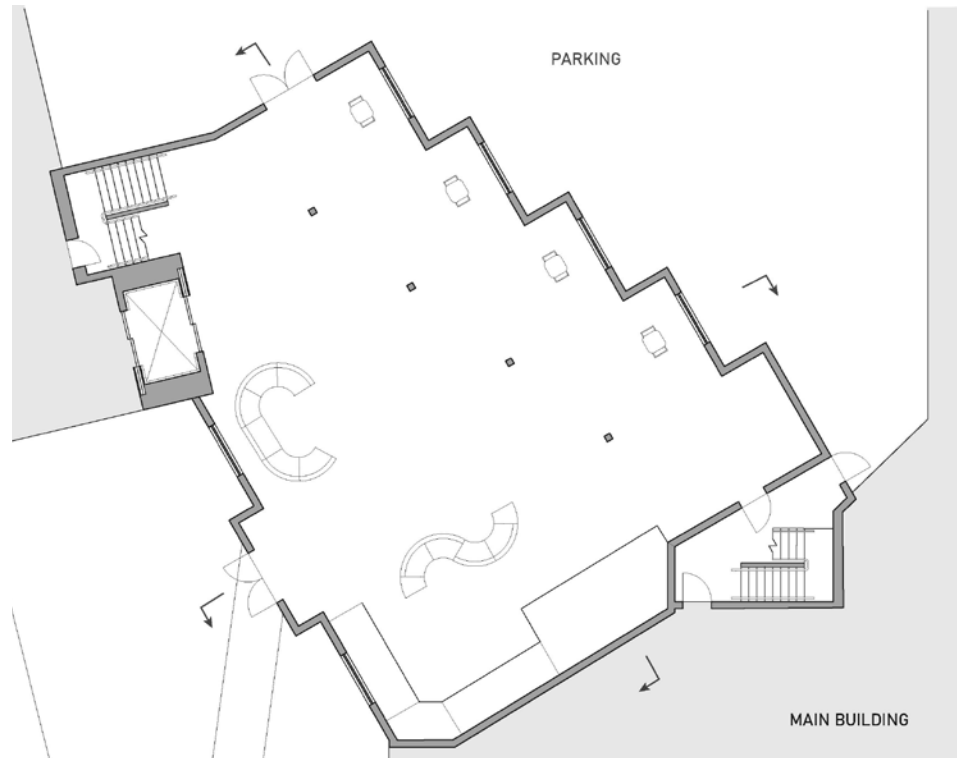
PROFESSOR: ED STEINFELD

Just a few minutes down the street from the University at Buffalo's South Campus is St. Mary's School for the Deaf. This school houses about 100 deaf students from early childhood all the way to high school age. As part of the Inclusive Design Graduate Research Group, students were tasked with redesigning a portion of St. Mary's Campus, utilizing teaching about Deafspace as well as ADA requirements for accessibility. After tours of the school, speaking with students and faculty, and traveling to Gallaudet University in Washington DC, this project was proposed as not only an improvement to the existing connection between two buildings, but as a space for celebrating the work of the students and the history of the school.

CO-DESIGNER  
Julia Wade



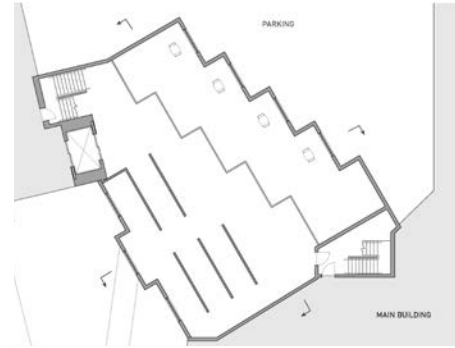
Transverse Section



First Level Floor Plan



Third Level Floor Plan



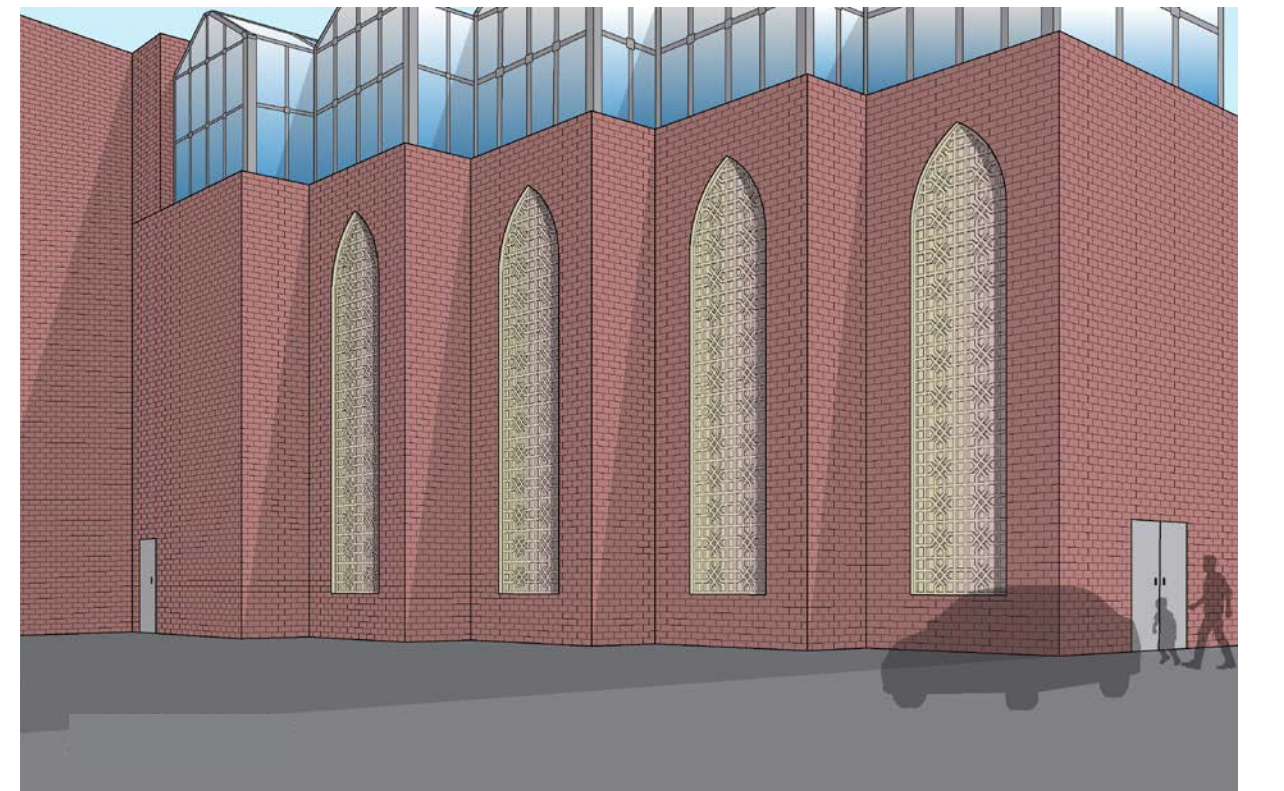
Second Level Floor Plan



Longitudinal Section



Entrance Render



Exterior Render

# 5

## CAST ORIGAMI

FALL 2022

ARC555: STRUCTURES III

UNIVERSITY AT BUFFALO

PROFESSOR: CHRIS ROMANO

As an architect, it is crucial to understand the common materials your designs are often constructed out of. This course tasked each group with creating a unique and interesting structure out of concrete. To do so, each group must not only decide on how to correctly create the formwork, but also explore the various ways that the concrete mixture itself can be created.

### CO-DESIGNERS

John Archilla

Kayla Clark

Briana Egan

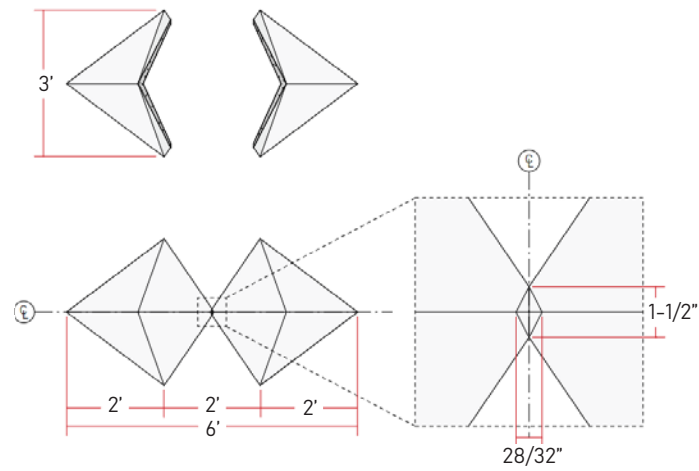
Caterina Gnecco

Joey Tripi

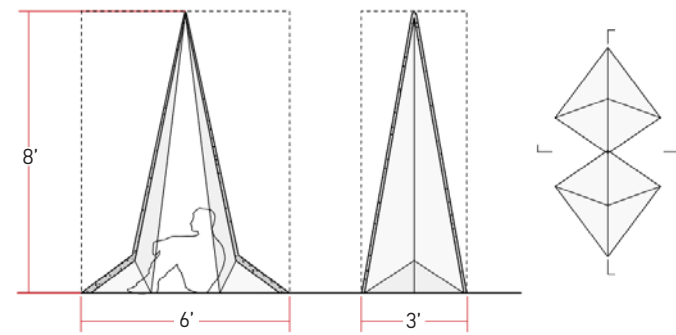
Julia Wade



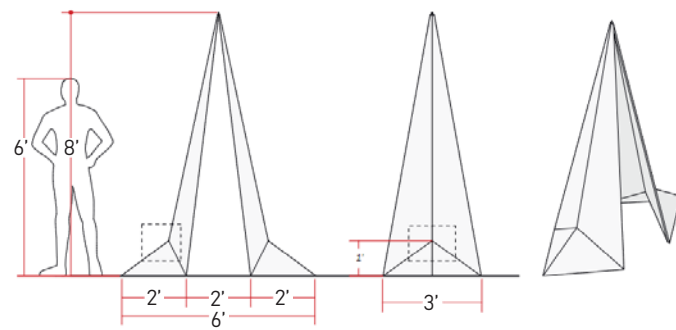
Final Full Scale Build



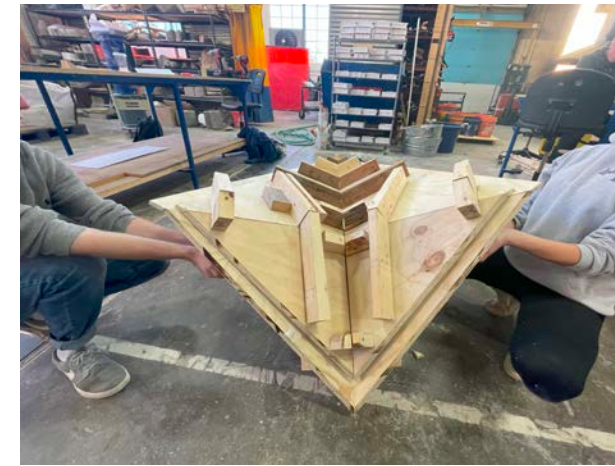
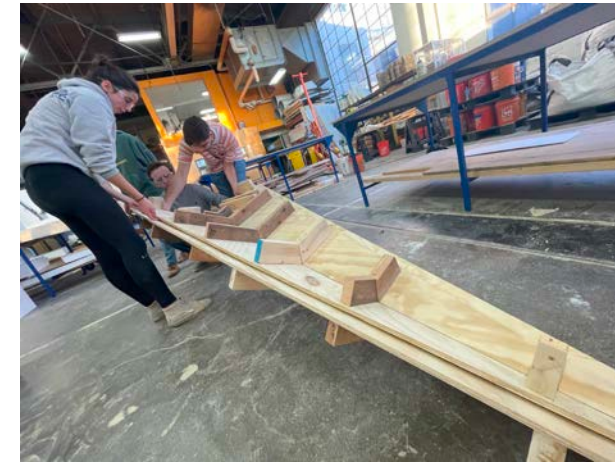
Plan and Aerial Elevation



Sections



Elevations



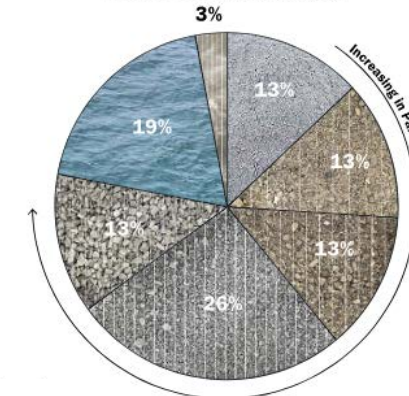
Formwork Photos

Weight contents of ingredients (g/L)

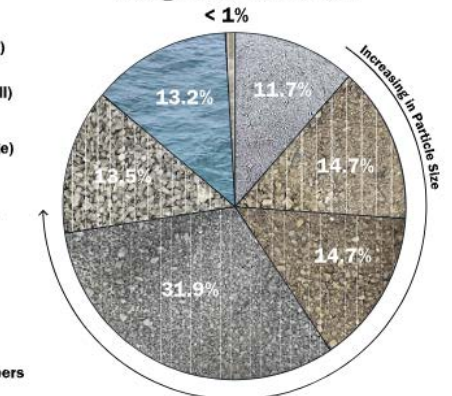
Cement 1295	Masonry Sand 1628	Concrete Sand 1628	Limestone 1763	#1A Limestone 1493	Water 1000	Fiber 63
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Increasing in Particle Size

Volume Distribution



Weight Distribution



Concrete Mixture Analysis

# 6

## THE NEST

SUMMER 2023

ARC596: CULTURE & CONTEXT

STUDY ABROAD: COSTA RICA

PROFESSOR: RANDY FERNANDO

While today's designers have access to some of the most advanced technology and materials, there is value in stepping back and seeing what can be created with solely what we have around us. This project tasked the creation of a play structure for young children, with the intention of offering various ways to climb and balance on their way to occupy a center point. Through the usage of local trees, simple tools, and a generous community, The Nest was completed as a part of a four-piece set of play structures in the Parque Central in Monteverde, Costa Rica.

### CO-DESIGNERS

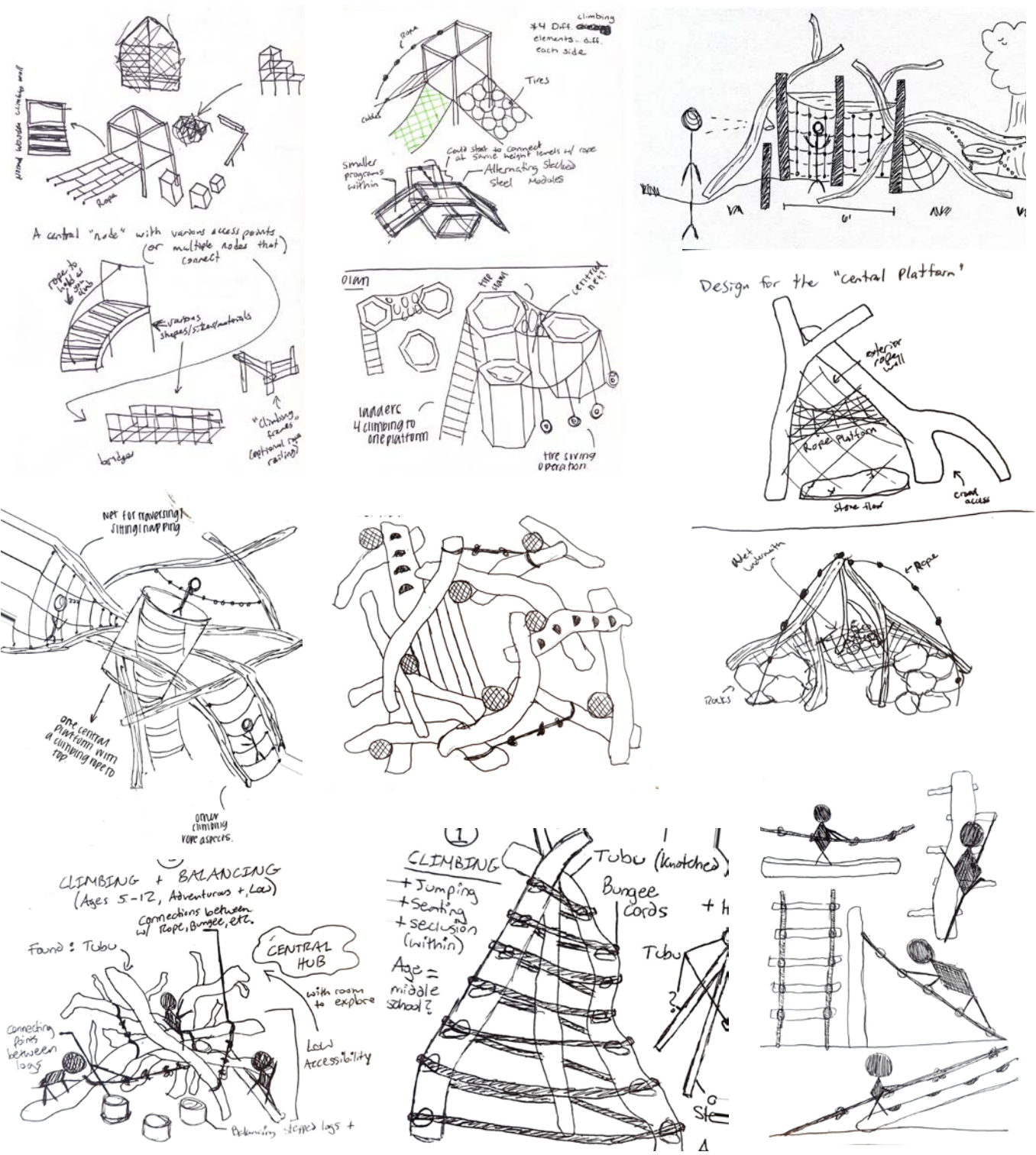
Julia Ferone

Sofia Pasquarella

Hannah Ruth



Final Build



Collection of initial sketches



Construction process photos



Final build photos

# BLACK ROCK CENTER FOR THE ARTS

SPRING 2021

ARC302: UNDERGRADUATE STUDIO

UNIVERSITY AT BUFFALO

PROFESSOR: PAUL BATTAGLIA

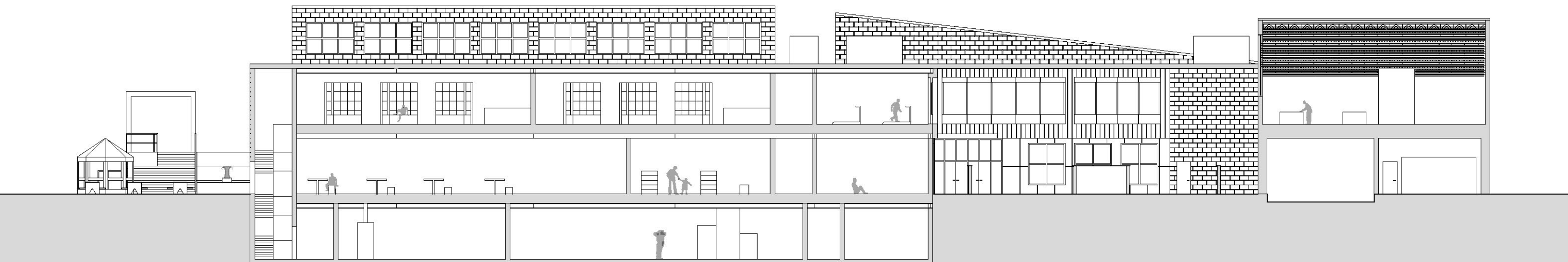
Community centers are a unique way to improve a surrounding area and its residents. These locations can offer a variety of services, from after-school programs to large public events. Community centers can be a place for fun, learning, and even refuge in emergency situations. This community center shown was designed for Black Rock, a low income neighborhood in Buffalo, New York based on research done on the needs of the community.

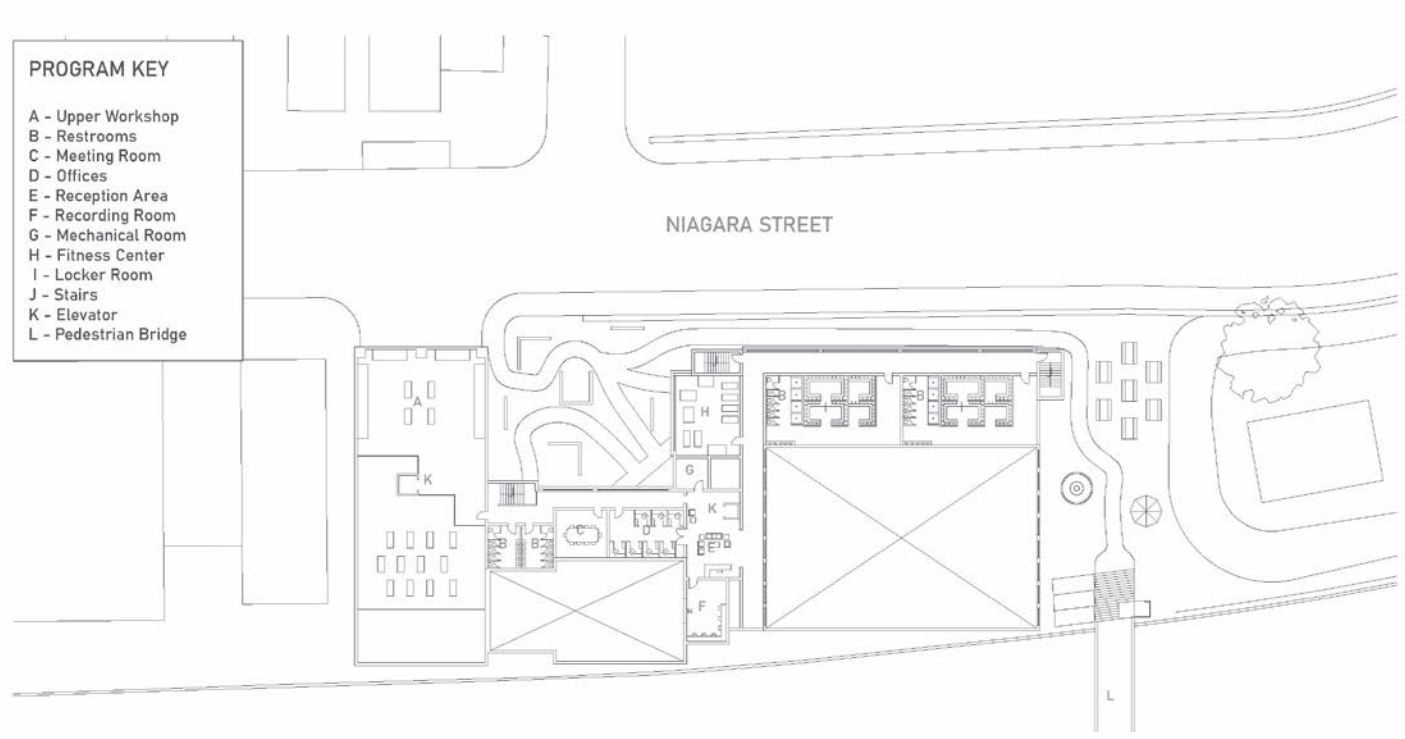


Exterior Greenspace Render

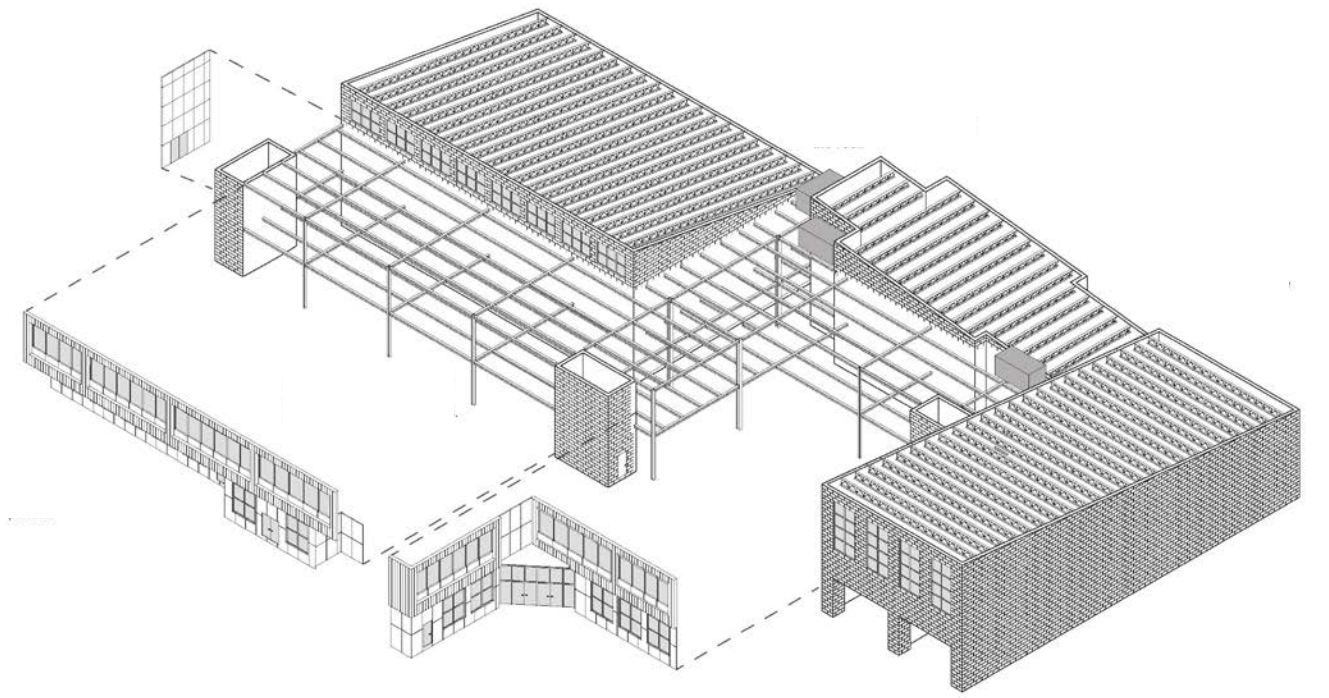


Longitudinal Elevation Render

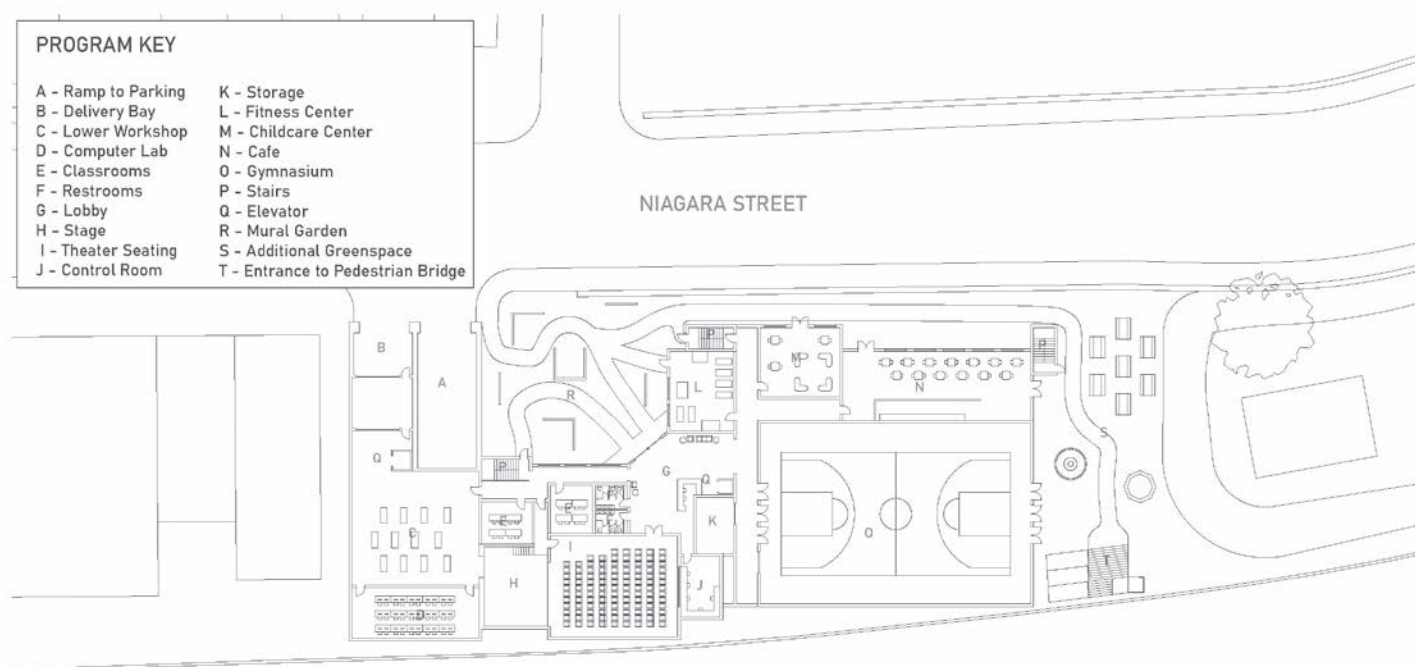




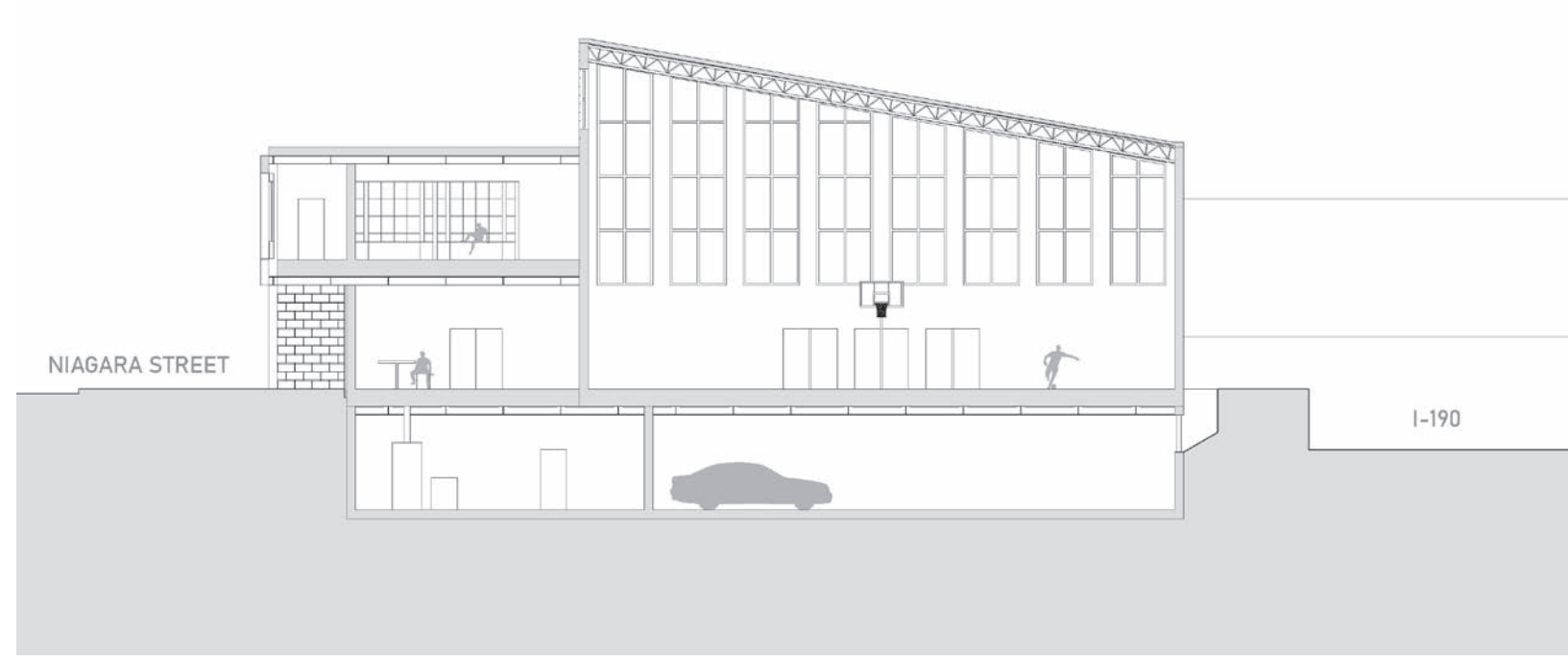
Second Level Floor Plan



Structural Axonometric



First Level Floor Plan



Traverse Section

