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RYAN
DEBREE



PERSONAL STATEMENT

Hello! My name is Ryan DeBree. I am a fourth year architecture student pursuing my bachelors of architecture at SUNY Alfred State. I am creative and thoughtful individual. I am enthusiastic about my education, and I am always looking for ways to improve. Whether that be through guest lectures, tutorials, new software, or really just about anything. I love architecture, for me, architecture isn't really just a job or a hobby, it is really becoming a way of life. I would like to personally thank you for taking the time out of your day to look at my portfolio, enjoy!

EDUCATION

SUNY Alfred State	2014-2019
Bachelor of Architecture Alfred, NY	
Sant'Anna Institute	2017
Study Abroad - Studio Sorrento Sorrento, Italy	

WORK/EXPERIENCE

HBT Architects	2016-Present May-August
Intern Architect Rochester, NY	
Participated as a key member in a design team to help prepare and produce presentation and construction documents.	

Lowe's Home Improvement	2015 May-August
Building Materials Associate Webster, NY	
Recommended and helped locate products for both exterior and interior building projects.	

SKILLS

SOFTWARE	ANALOG	FABRICATION
Adobe Photoshop Adobe Indesign Adobe Premiere Adobe Illustrator Autodesk Revit Autodesk AutoCAD Blender Rhino Sketchup	Drawing Hand drafting Model making Sketching	Laser cutting 3D printing

AWARDS/HONORS

Alfred State Presidential Scholarship Academic Scholarship	2014- Present
Food Truck Design Competition First Place Class wide graphic design project.	2015
Alfred State Honors Program Honor obtained through academics and extracurricular activities.	2015-Present
Dean's List Honor obtained by having a 3.6 or above GPA.	2014-Present

ACTIVITIES/ORGANIZATIONS

AIAS American Institute of Architecture Students Alfred State Chapter, founding member.	2015-Present
Architecture Club Public Relations Responsibility to manage and update the Alfred State Architecture Club Instagram and Facebook pages, as well as to design posters for events.	2015-Present

CONTACT

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phone	585.766.1801
address	644 Ivy Woods Circle Webster, NY 14580
web	https://ryandebree96.wixsite.com/portfolio

SELECTED WORKS

2014-2015

01

ACADEMIC WORK

DISASTER RELIEF SHIPPING CONTAINER

02

ALFRED STATE COMMONS

03

9 SQUARE GRID HOUSE

04

VILLA DI POLIO FELICE VISITOR CENTER

05

BUFFALO INDUSTRIAL HERITAGE MUSEUM

06

STUDIO SORRENTO

07

THE NETWORK URBAN PLANNING STUDIO

PROFESSIONAL WORK

08

HBT ARCHITECTS

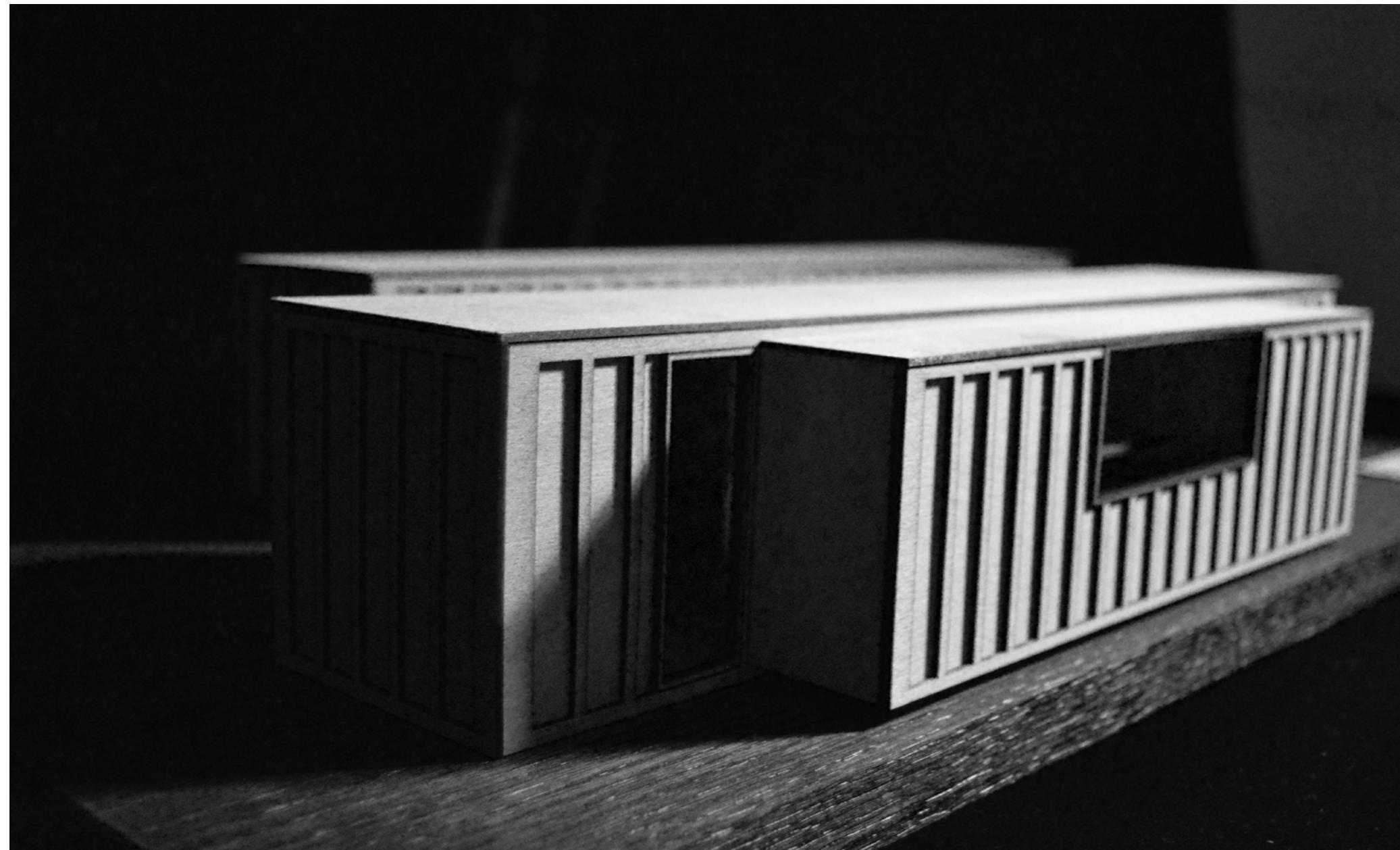
PERSONAL WORK

09

URBAN SKETCHING

01

09

**DISASTER RELIEF
SHIPPING CONTAINER****TYPE**

Civic

DURATION

5 Weeks

LOCATION

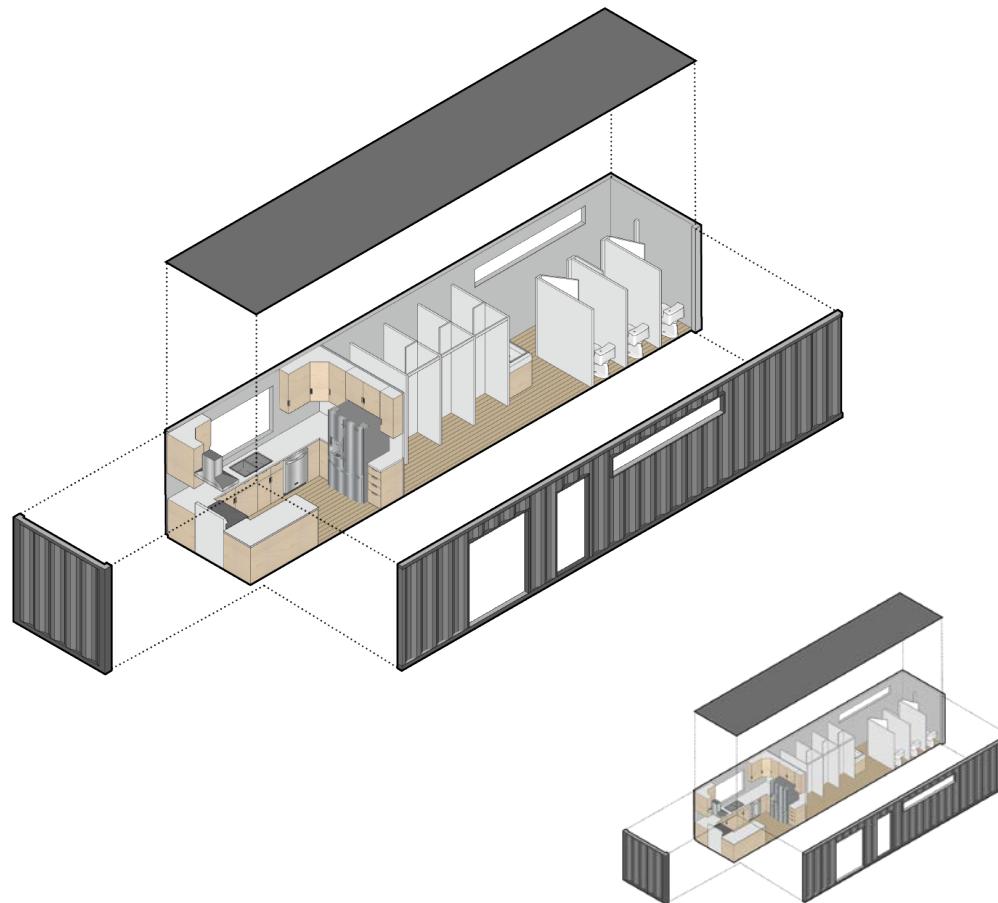
Flexible

BRIEF

By implementing a design that allows a disaster relief team simplicity, flexibility, and freedom it allows them to be more efficient, and what better way to do this than through shipping containers? These containers serve as a temporary housing complex that caters to the teams basic needs. The design includes two containers; providing flexibility and simplicity during transport and set up, allowing the team to focus on the challenges at hand.

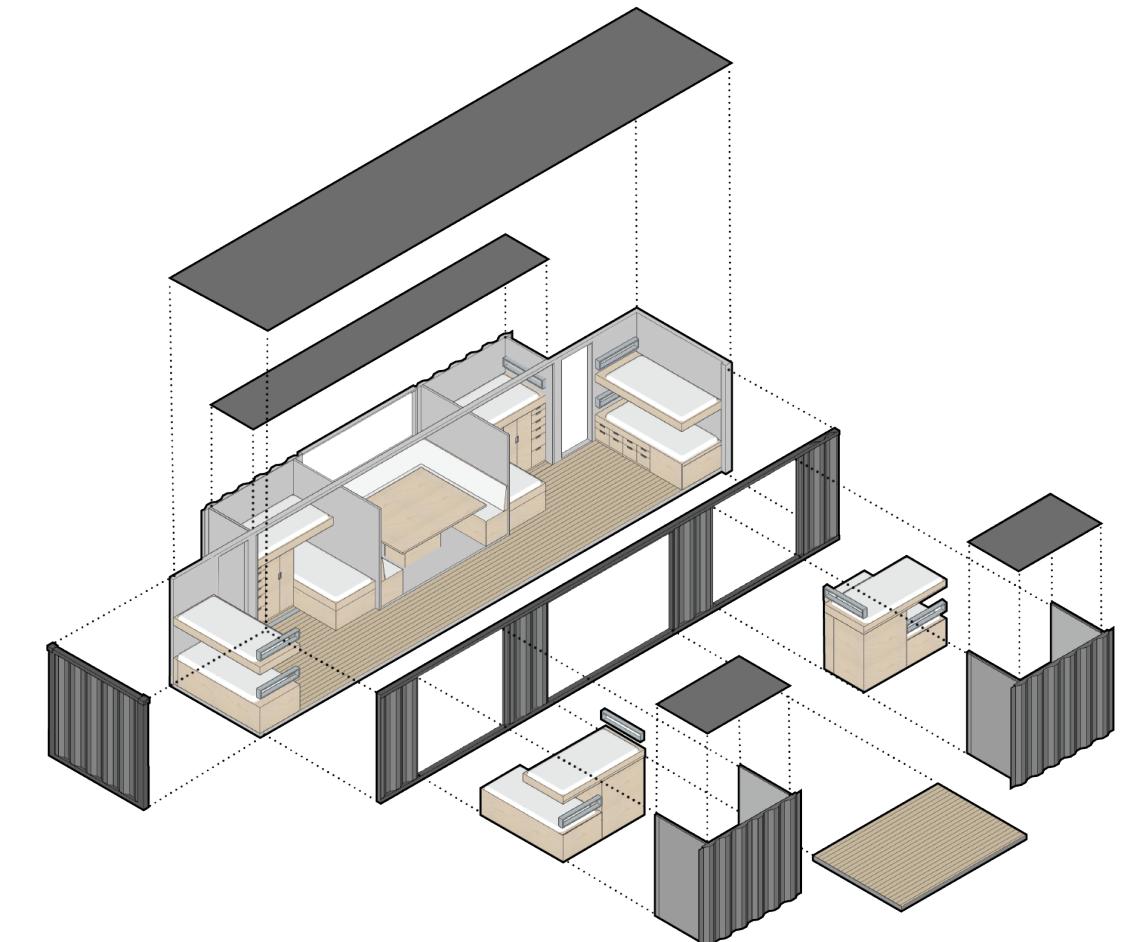
MEDIA

AutoCAD, Sketchup, Photoshop, Illustrator, Indesign



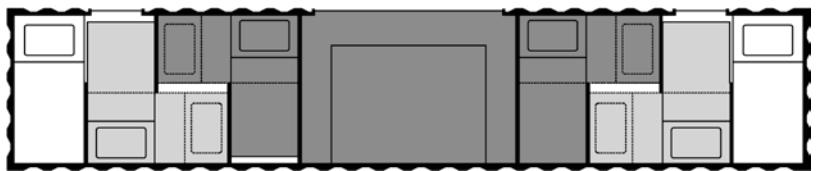
WORKING

The “working” container is highly functional. It consists of a full kitchen and bathroom. The Kitchen consists of appliances and plenty of storage, while the bathroom provides the team with all their hygiene needs, including showers, toilets, and sinks.

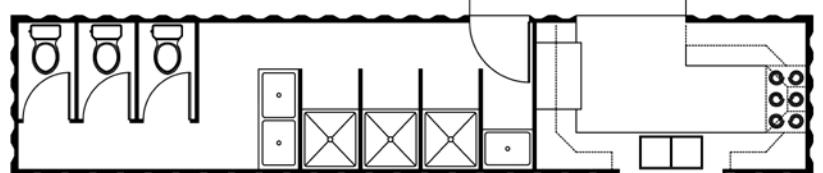
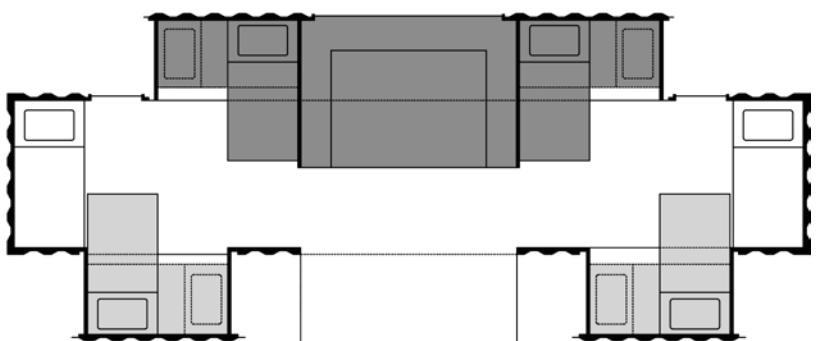


LIVING

The “living” container consists of 12 individual stations containing a bed and storage. These stations act as a point of relief, and provide plenty of space and comfort after a long day of work. The living container also consists of a community gathering space where the team can eat together, hold meetings, or even just spend time with each other.

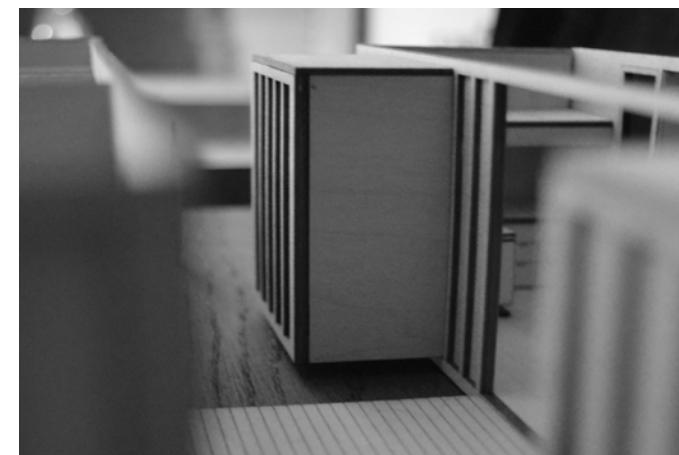
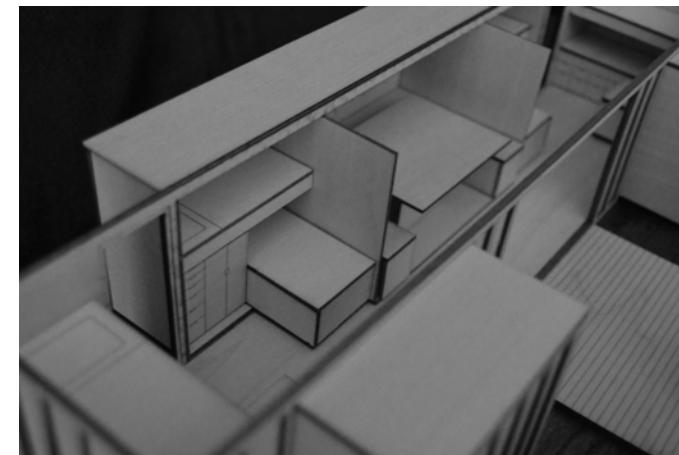


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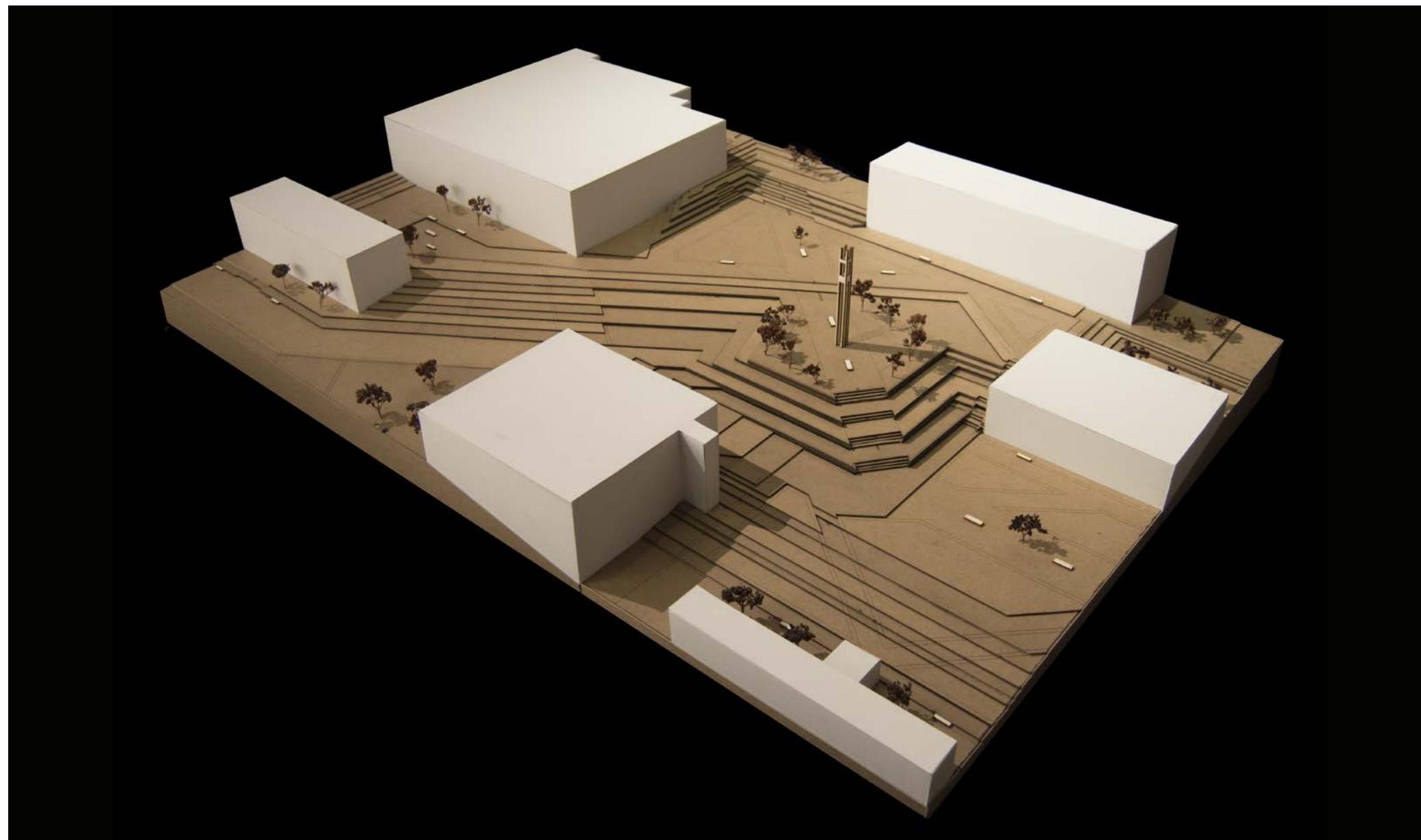
UTILIZATION

The containers incorporate interlocking sliding trays that utilize nearly every square foot and allow the containers to be shipped as they typically would be. Once on site, these trays would then simply slide out and lock into place, allowing the container to utilize maximum square footage.



02

09

**ALFRED STATE
CAMPUS****TYPE**

Urban/Landscape Design

LOCATION

Alfred, NY

DURATION

5 Weeks

COLLABORATION

Michael Bowman

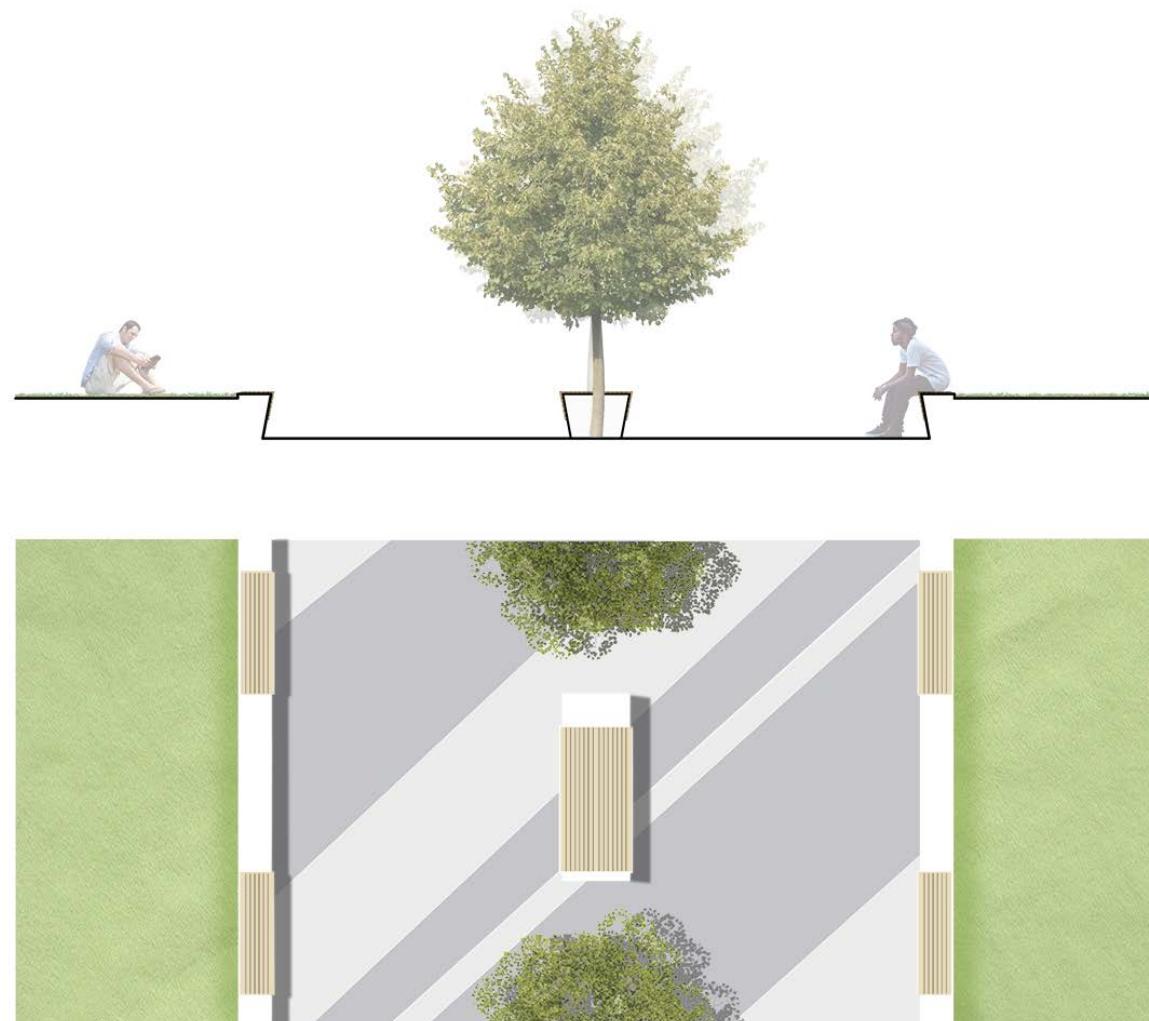
BRIEF

The Alfred State commons is in dire need for repair. The commons is outdated, under utilized, and simply dysfunctional. There are many issues with the commons such as; circulation, drainage, usage, aesthetics, lighting, and many others. With this design we looked to improve these issues. We created a space that was functional, beautiful, and that responded to all of the current issues. With the facilitation of our design, SUNY Alfred State would receive a new image. A new commons would attract guests, visitors, and give current students a more positive experience when walking on the campus. A new commons and master plan for the commons would attract more students to campus, and would improve retainment issues.

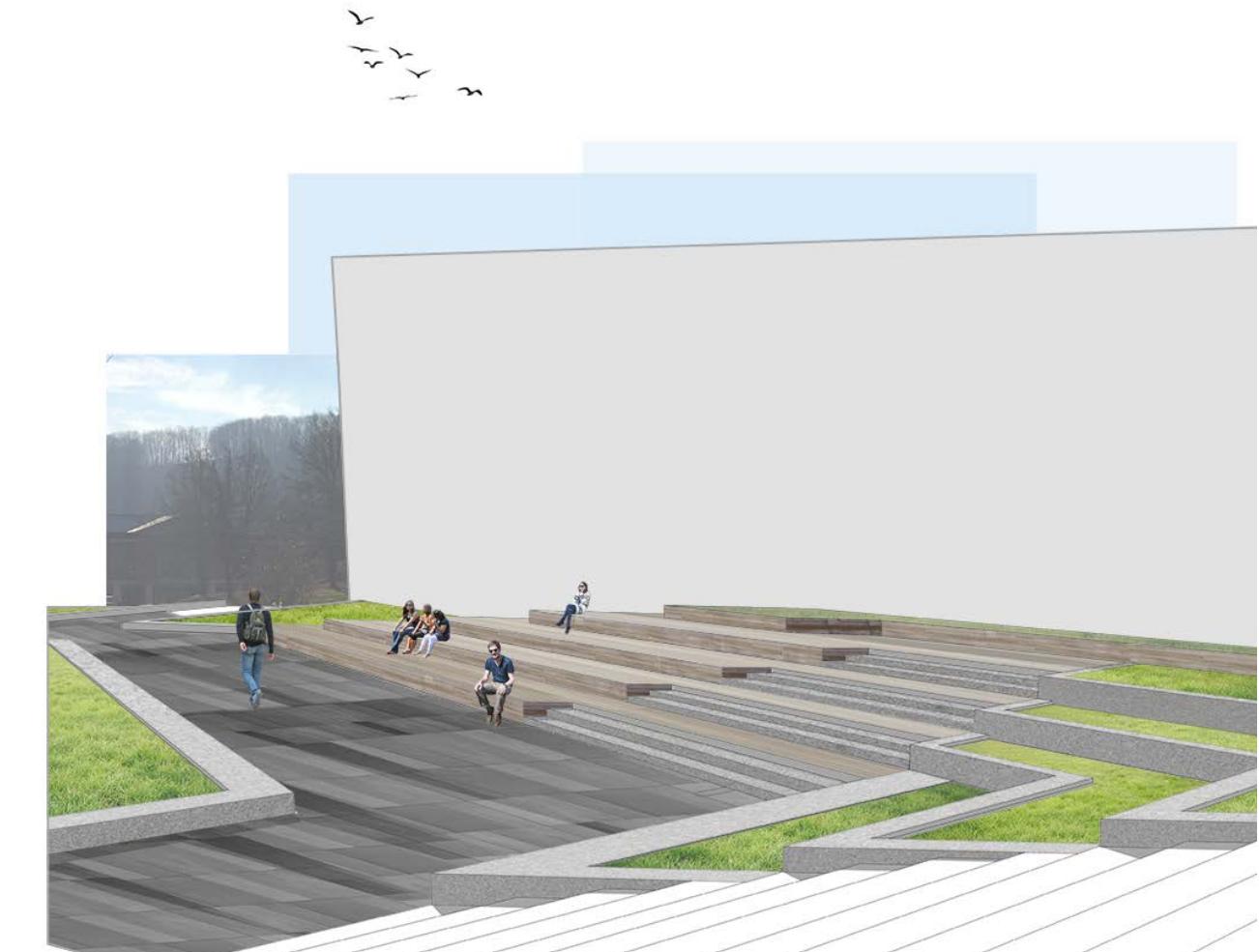
MEDIA

AutoCAD, Sketchup, Photoshop, Illustrator, Indesign

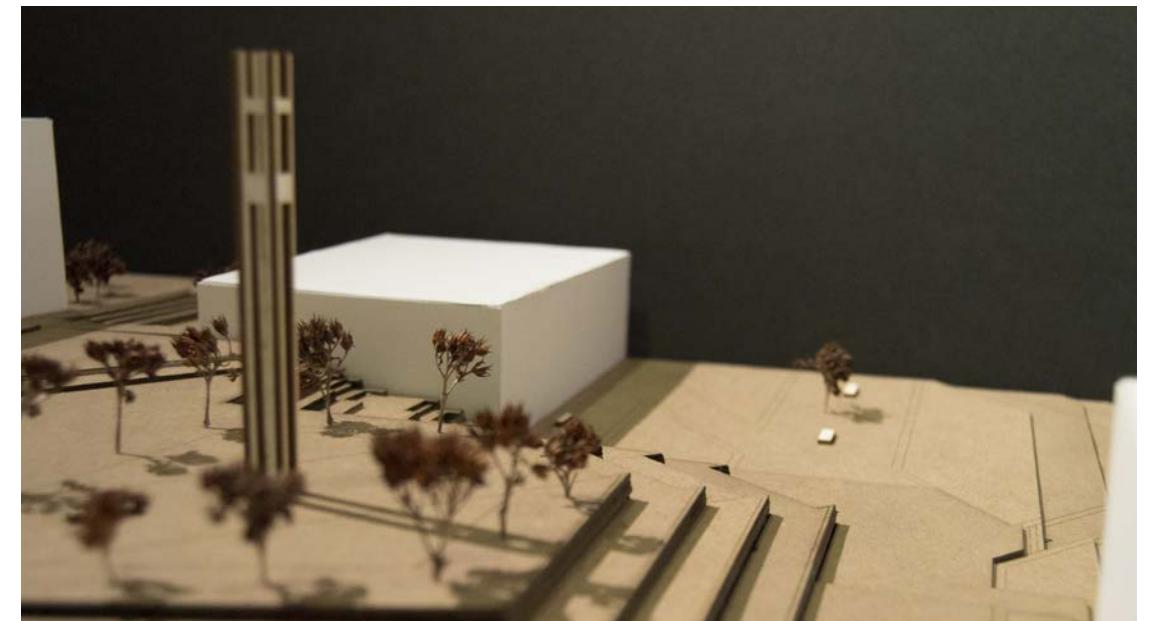


**DEFINITION**

By introducing new materials, the new campus will help to define the vernacular of Alfred State. The design will modernize the campus and create a new identity for Alfred State and their students.

**COMMUNITY**

The current Alfred State campus lacks locations for students to gather. By incorporating informal gathering spaces, the proposed campus plan will help to strengthen the community and image of the Alfred State Campus.



INTEGRATION

The design is truly integrated within the existing topography, creating terraced landscapes and gardens that can be utilized by students, but also help to mitigate current environmental issues.



03 / 09
A PLACE
TO DWELL



TYPE

Residential

DURATION

5 Weeks

ANIMATION

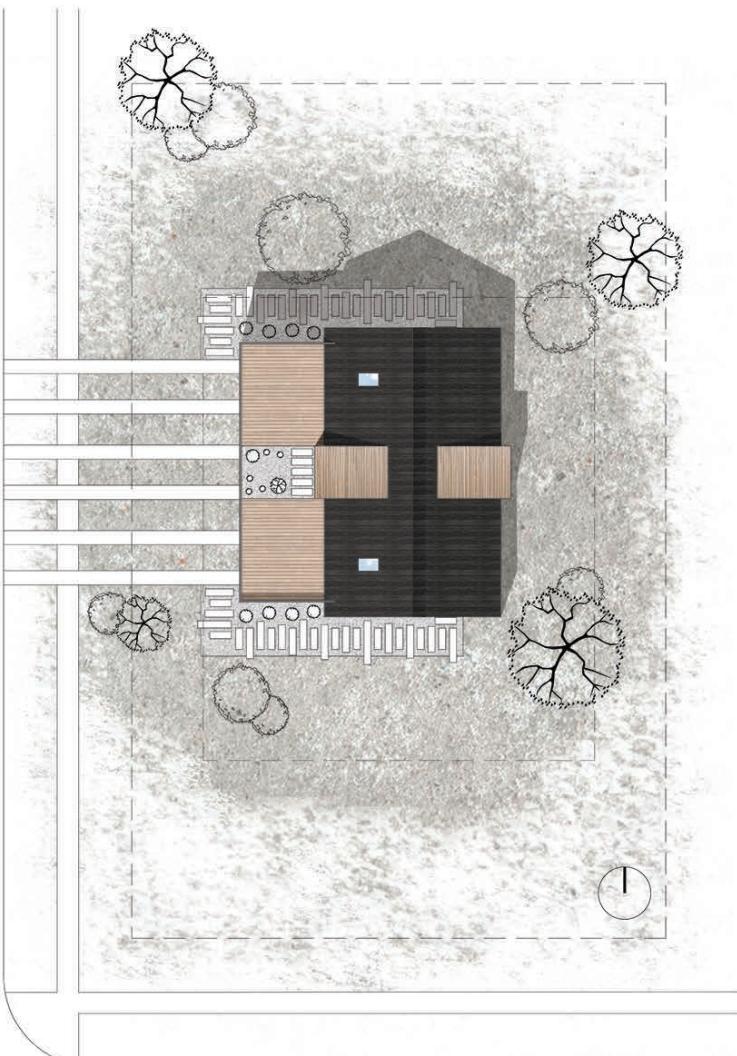
<https://vimeo.com/248335940>

BRIEF

Utilizing a nine square grid structural system while respecting Dutch heritage, architecture, and design, "A Place to Dwell" creates a duplex that fits the needs and wants of its intended users, graduate students. "A Place to Dwell" encourages community and growth while also providing privacy and comfort for its users.

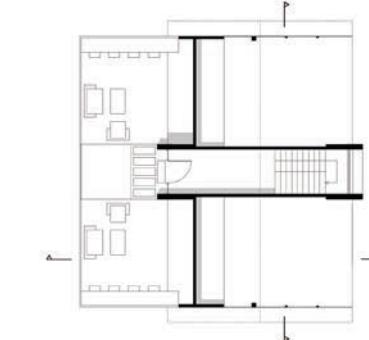
MEDIA

AutoCAD, Sketchup, Photoshop, Illustrator, Indesign, Llumion



HERITAGE

Through research and analysis the design behind "A Place to Dwell" encompasses both traditional and contemporary Dutch architecture. Utilizing materials, geometry and spacial design, the structure reflects traditional Dutch farm homes, while incorporating contemporary design.



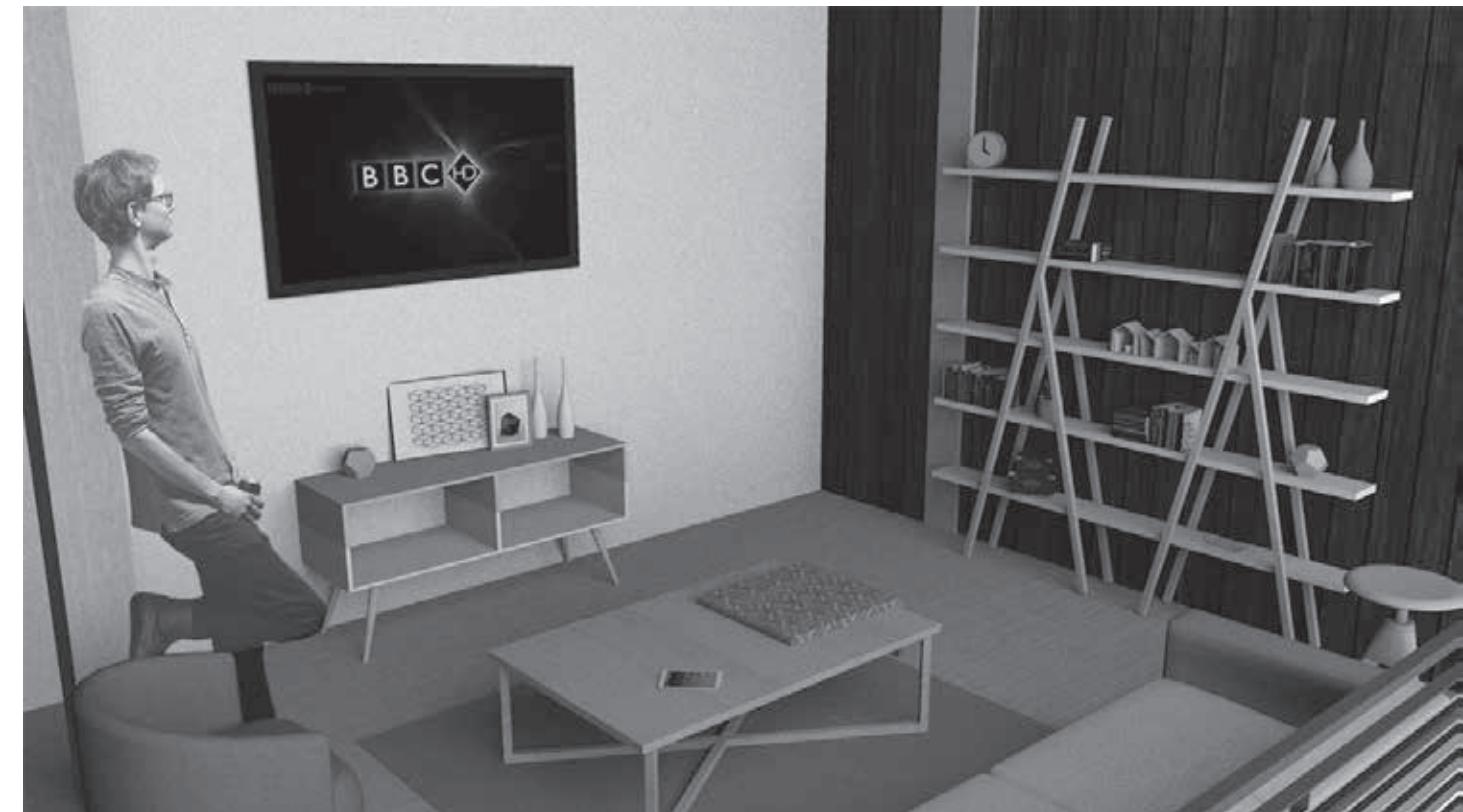
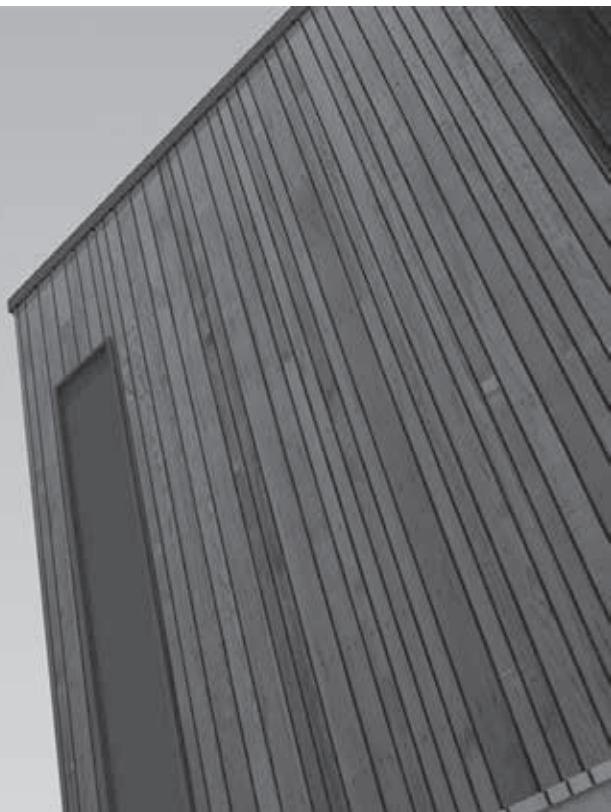
Roof Top



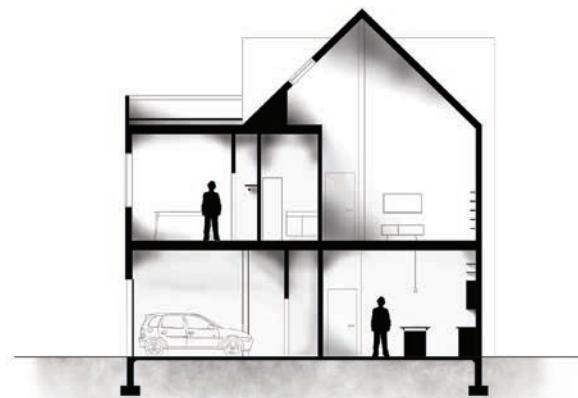
Second Floor



First Floor



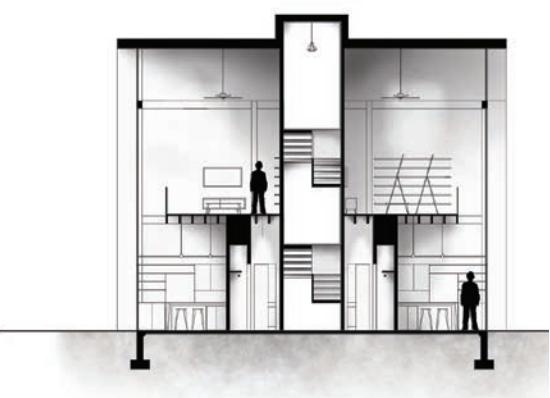
South Elevation



Section 1



West Elevation



Section 2

04

09

VILLA DI POLLIO FELICE
VISITORS CENTER

TYPE

Cultural

LOCATION

Sorrento, Italy

COLLABORATION

Tim Delaney

MEDIA

Revit, AutoCAD, Photoshop,
Illustrator, InDesign



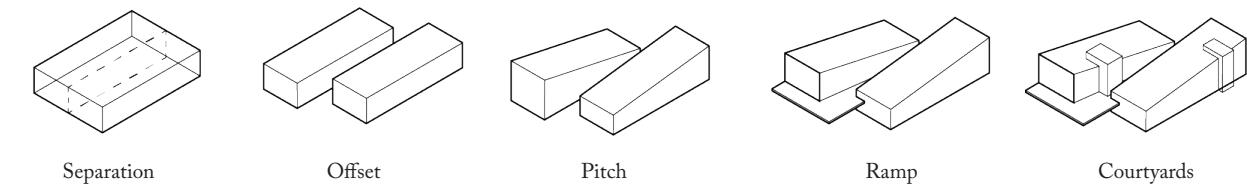


SORRENTO CLIFFS

The Villa di Polio Felice Visitor Center is nestled within the cliffs on the route toward the existing Roman ruins. The visitor center takes advantage of its prominent location by highlighting the surrounding views and taking advantage of every aspect of the site.



Entry Perspective



Separation

Offset

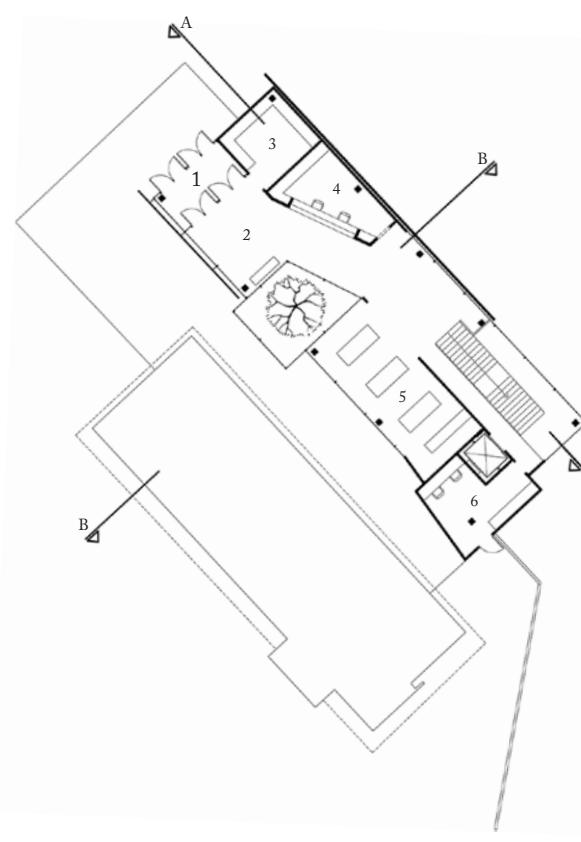
Pitch

Ramp

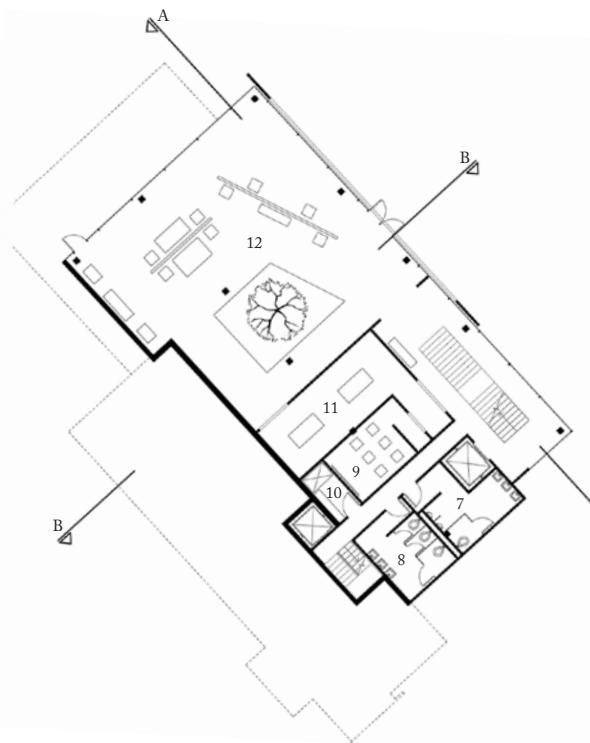
Courtyards

OUTSIDE IN

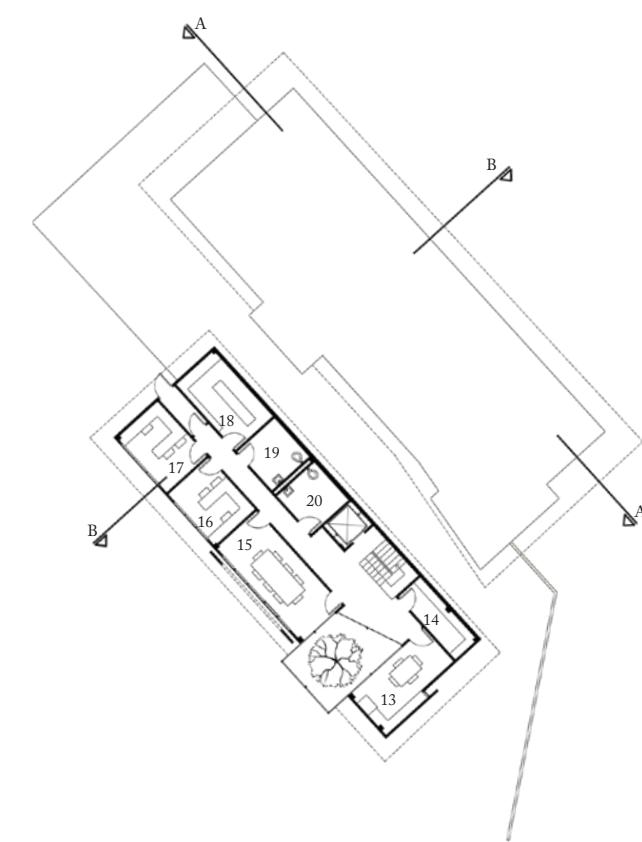
The Villa di Polio Felice Visitor Center is designed to bring the outside in. Not only in regards to nature which is incorporated through courtyards, daylighting, and natural ventilation, but also through culture which is introduced through native materials and views that show off the beautiful view of Napoli and Mount Visuvius.



Lobby Level



Gallery Level



Administrative Level

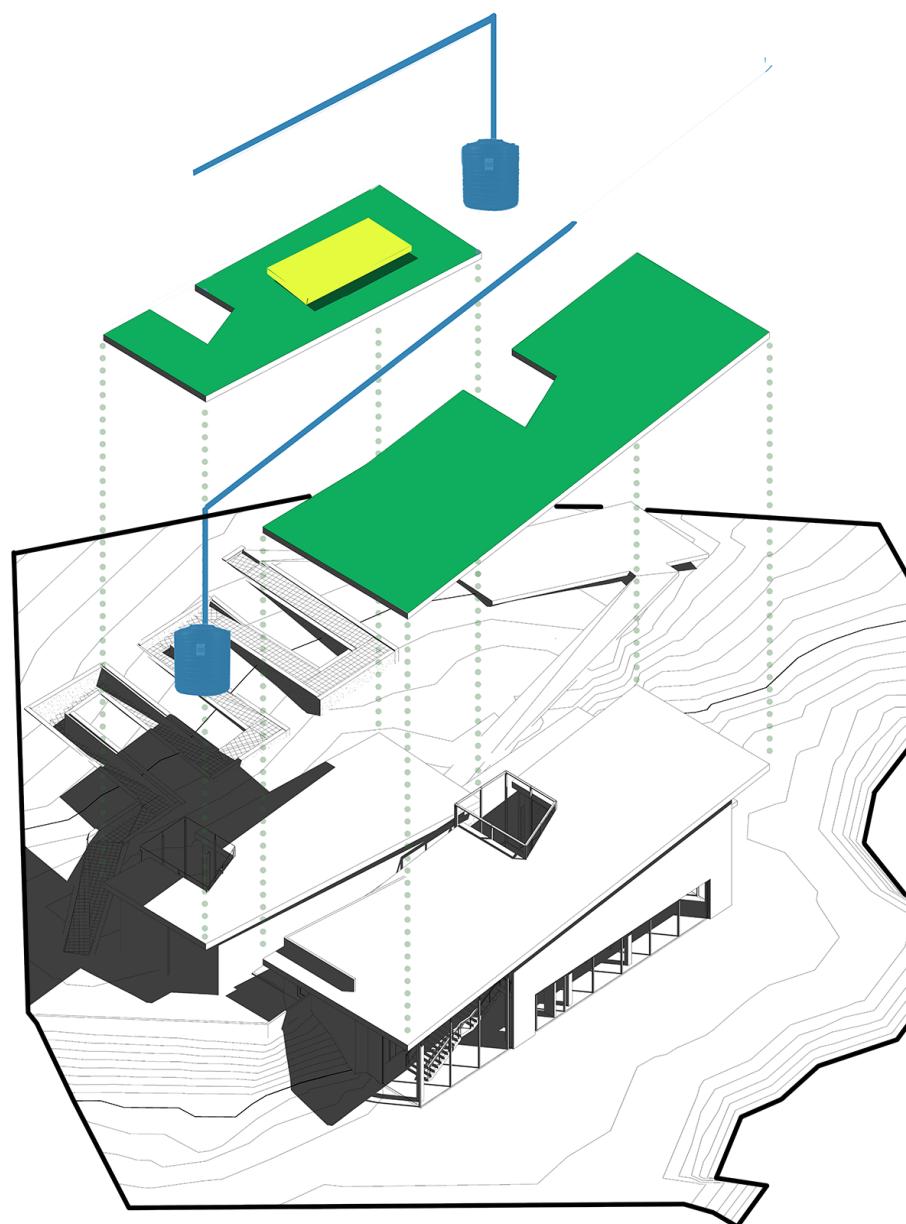
Entry Vestibule 1
 Lobby 2
 Coat Room 3
 Receptionist 4
 Gift Shop 5
 Library 6
 Mens Toilet Room 7
 Womens Toilet Room 8
 Movie Room 9
 Mechanical Room 10
 Multimedia Room 11
 Gallery 12
 Break Room 13
 Storage 14
 Conference Room 15
 Curator Office 16
 Administrator Office 17
 Preservation Room 18
 Womens Toilet Room 19
 Mens Toilet Room 20



Lobby Perspective

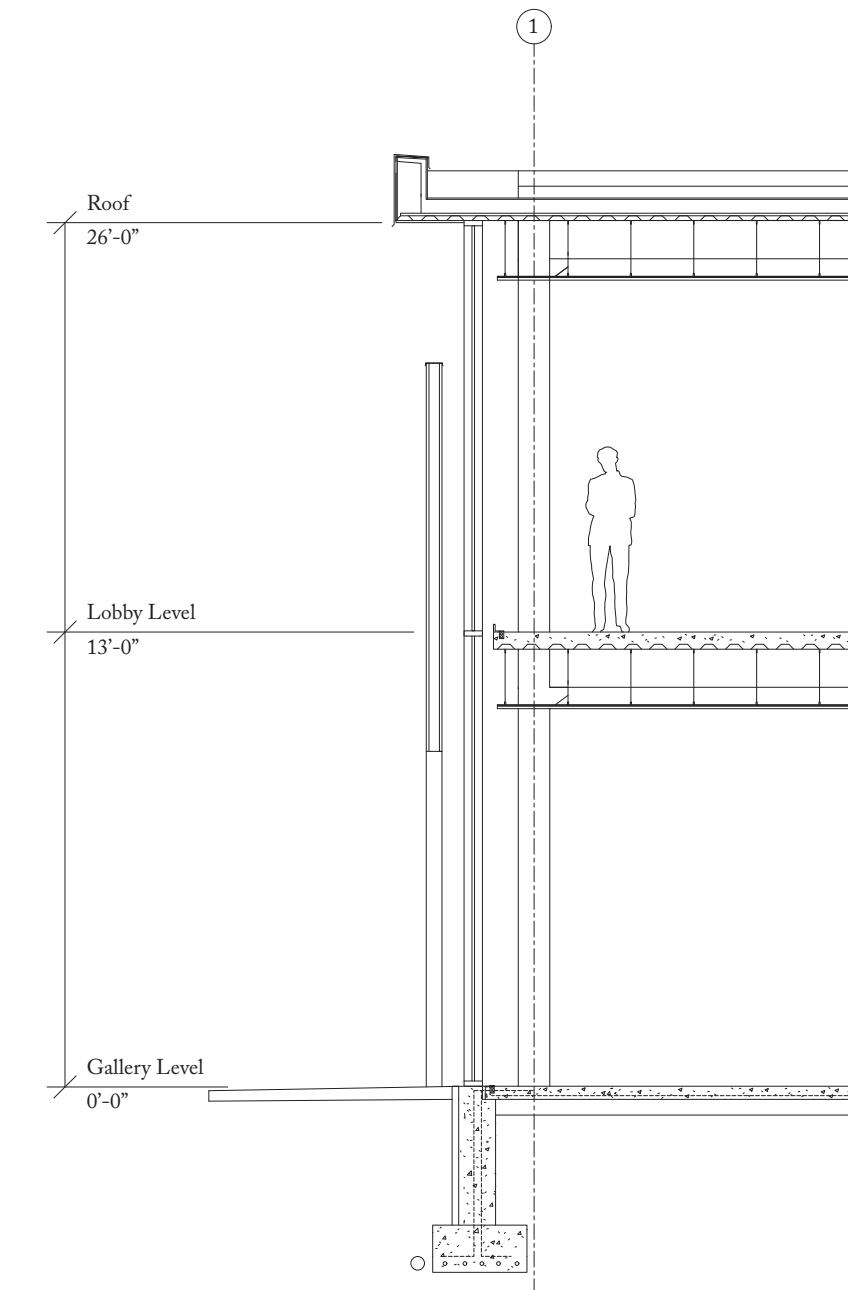


Gallery Perspective



SUSTAINABILITY

Due to the unique location, one major concept driving the design of the visitor center was creating a self sustaining building. The design incorporates rain water and grey water collection system as well as geothermal heating, natural cooling, green roofs, and photovoltaic panels; creating a building that can sustain itself year round.

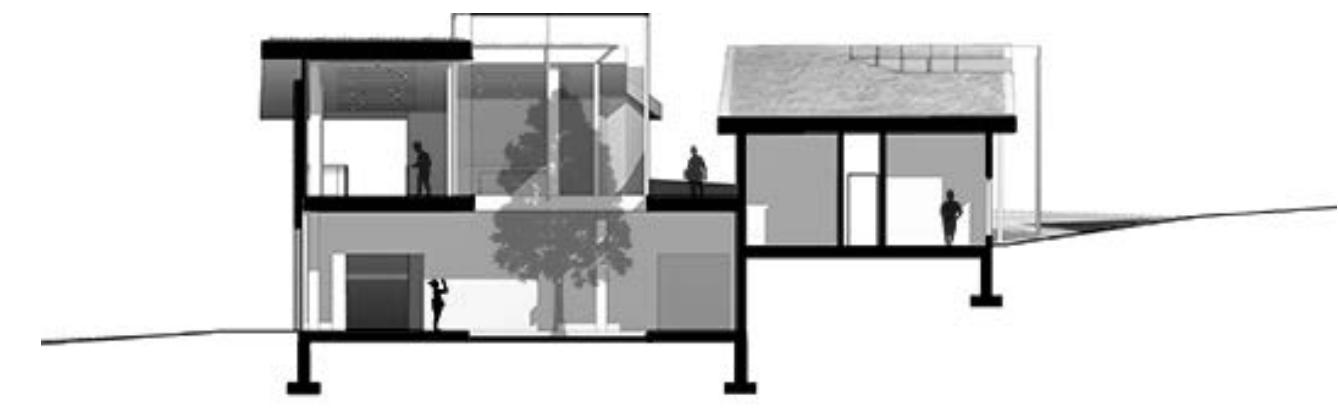


STRUCTURE

Based on geography, climate, and available resources, it was concluded that concrete would be the most economic and sustainable structural system. In addition, due to its unique location, poured in place concrete would be the most functional structural system.



Section A



Section B

05

09

**BUFFALO INDUSTRIAL
HERITAGE MUSEUM****TYPE**

Cultural

LOCATION

Buffalo, NY

DURATION

12 Weeks

BRIEF

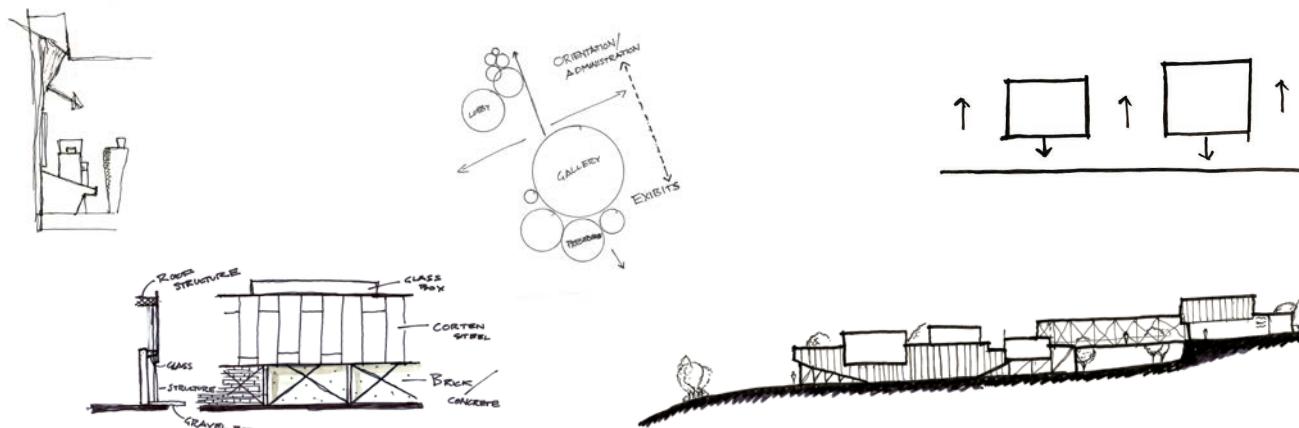
Buffalo has had an impressive industrial history; from airplanes to grain silos, and everything in between. Due to its location along Lake Erie, and at the end of the Erie Canal, the city's location was key for its rapid development. During its development, Buffalo, was the most Western city in the United States; all industry came from and went through Buffalo, which led to its rapid expansion. Buffalo was even once considered "The Paris of the United States." Today, although not all, most of Buffalo's vast industries have died out and the visible symbols are beginning to decay. With this decay, Buffalo is in need of a way to display its rich industrial heritage before it is gone and forgotten. What better way to display this history than a Buffalo Industrial Heritage Museum located along the Buffalo River.

MEDIA

Sketchup, AutoCAD Photoshop, Illustrator, Indesign

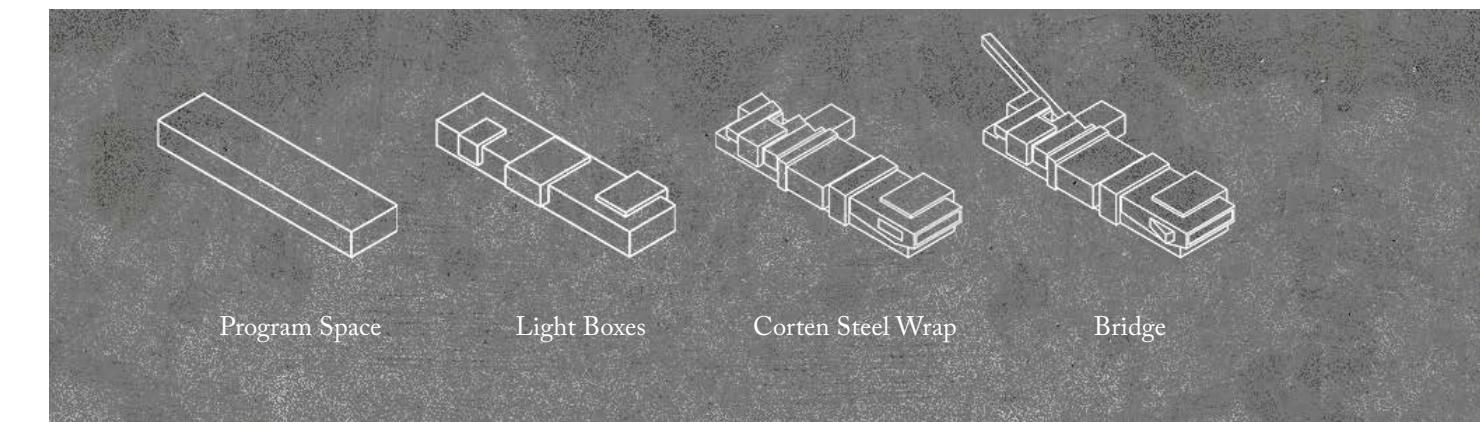
FULL REPORT

<https://issuu.com/ryandebree>



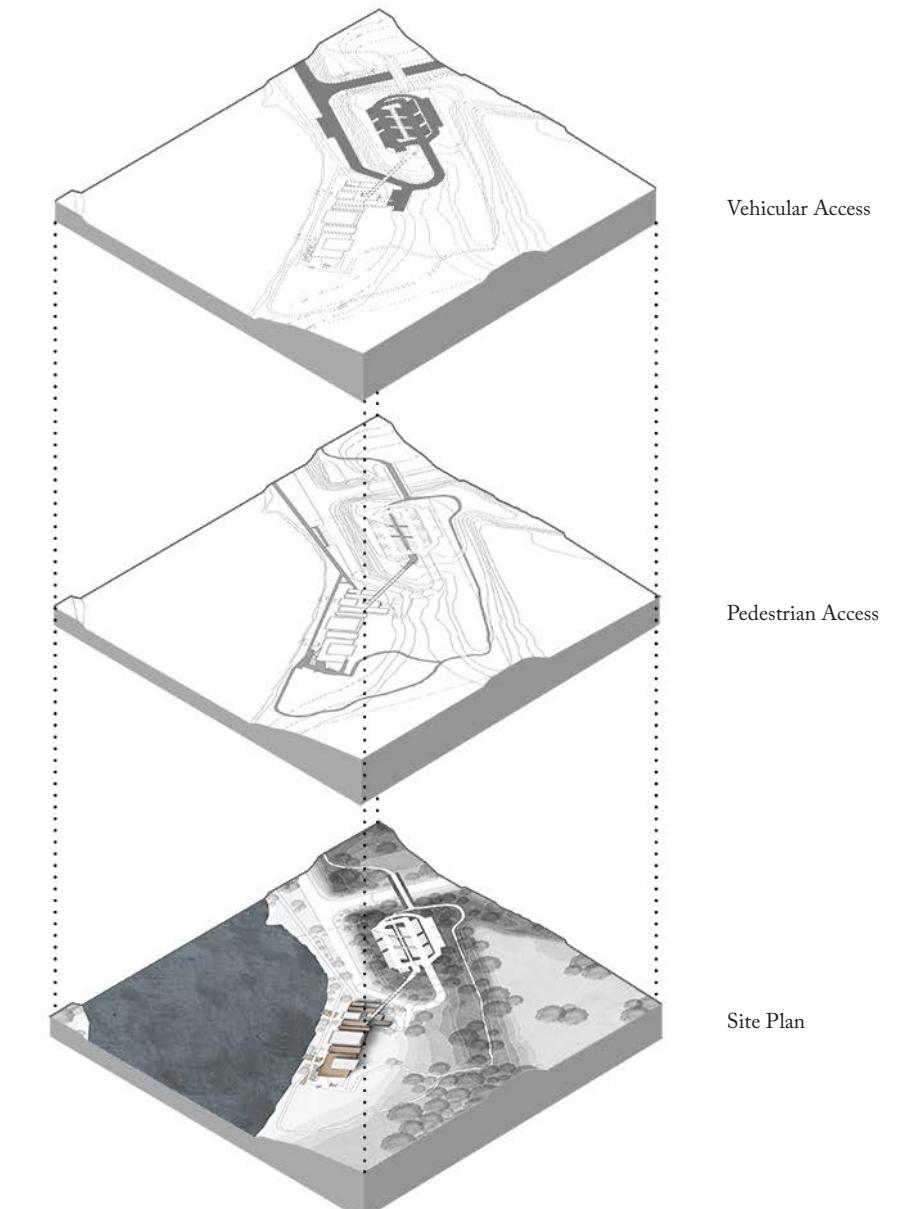
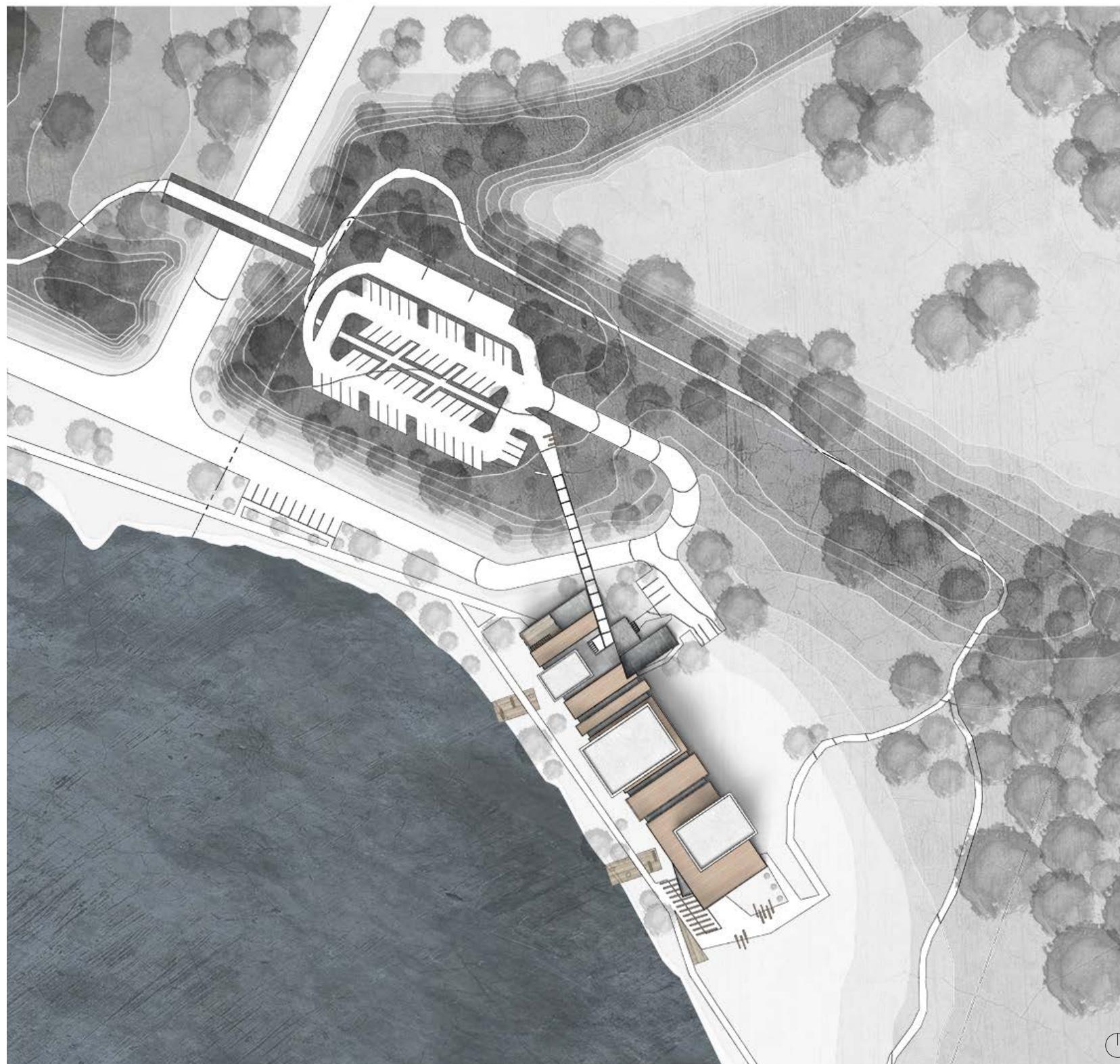
INSPIRATION

The site along the Buffalo River has a large amount of inspiration to draw from. On the most eastern edge of the site lies an active rail yard with a retired lift bridge. The rusty bridge stands tall as visible symbol of the vast steel industry and transportation network that allowed Buffalo to thrive.



INSPIRATION

Directly across the river, Concrete Central, an abandon grain silo, stands tall and bold against the natural landscape. The hard and rough concrete displaying the toughness and innovation of Buffalo's history.



SITE PLAN

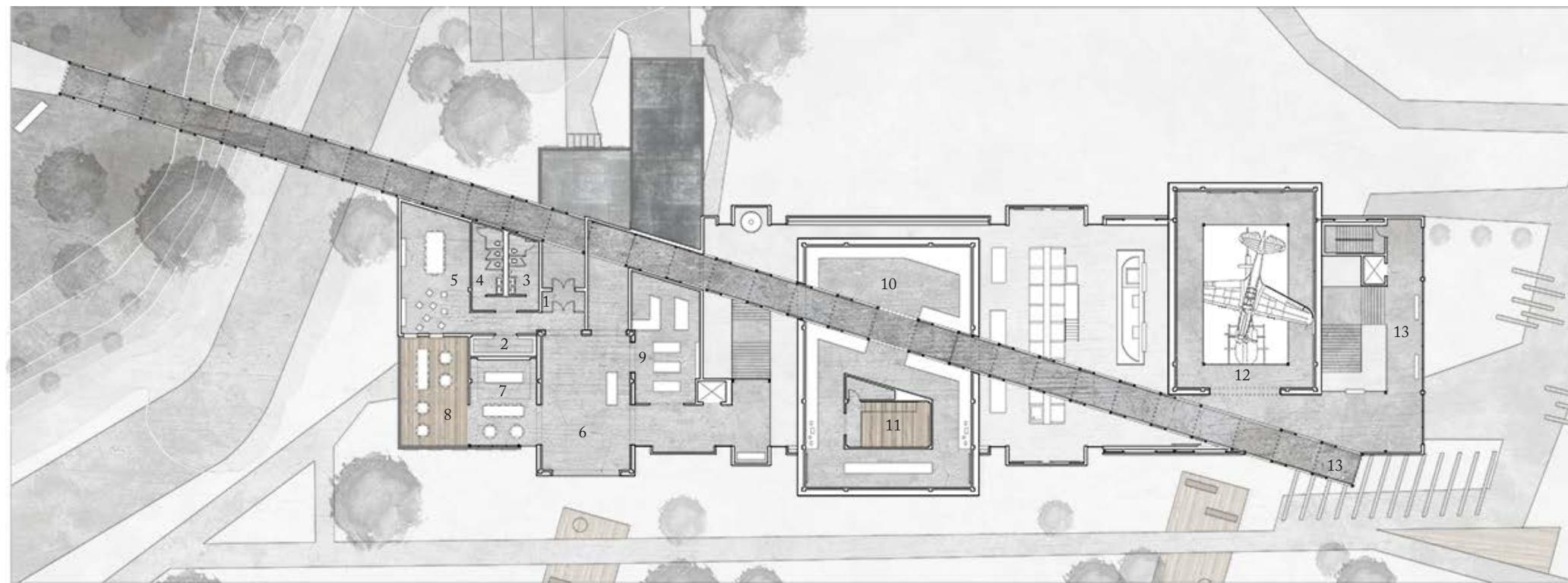
With its interesting typography the site is quite unique. Upon immediate arrival, visitors pass under a newly reconstructed railway bridge that provides an informative walking tour, and a new connection between the museum and Red Jacket Park. Once reaching the river, visitors will obtain their first glimpse at the museum, the Buffalo River, and Concrete Central. As visitors continue their drive, they pass under the entrance bridge to the museum. This is their first interaction with the bridge, and from this point on it will act as the circulation datum for the rest of their experience.



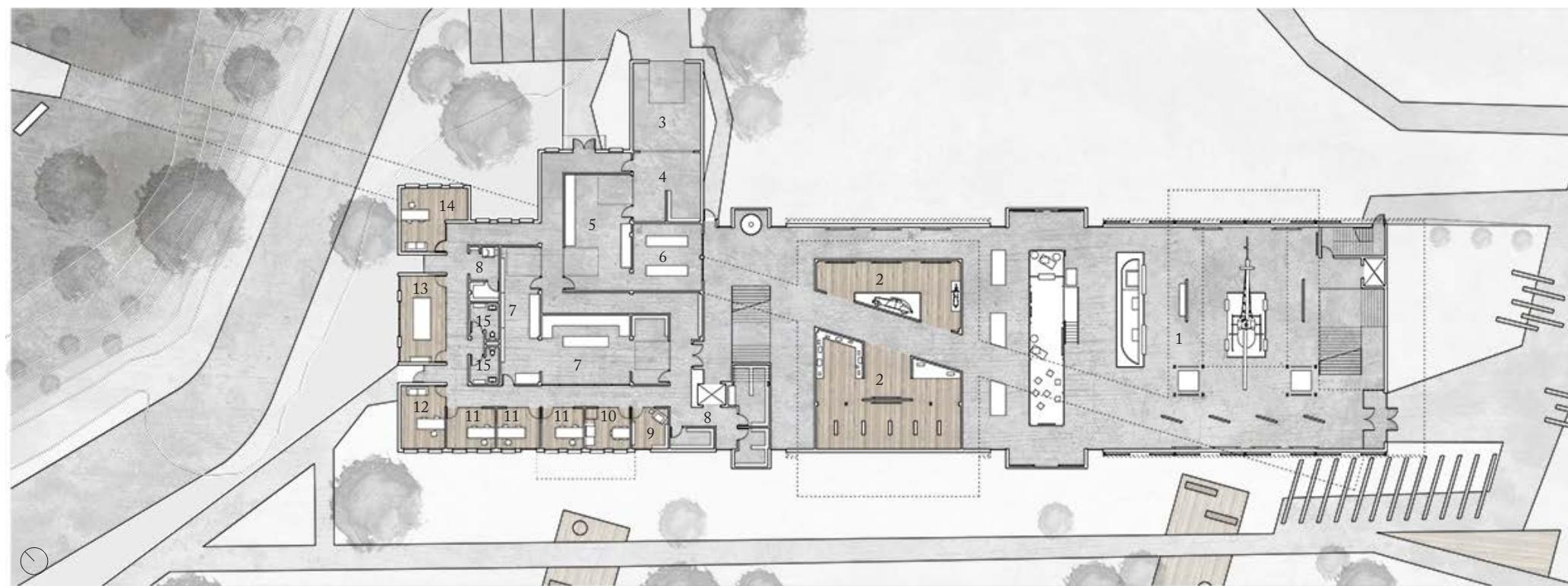
SITE

While on the boardwalk, visitors will experience views of the Buffalo River, Concrete Central, and the retired railroad lift bridge. The boardwalk runs along the museum and continues on with outdoor exhibits along the site. Therefore integrating the visitors experience both in and out of the museum.





Upper Floor



Lower Floor

DATUM

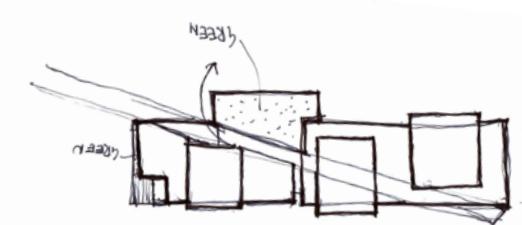
Visitors will enter along the pedestrian bridge that carries throughout the museum. Visitors will begin on the bridge and end on the bridge, creating a holistic experience. No matter where visitors are in the museum they will be able to see the bridge and understand where they are. From the beginning to the end, the bridge becomes the datum for the entire user experience.

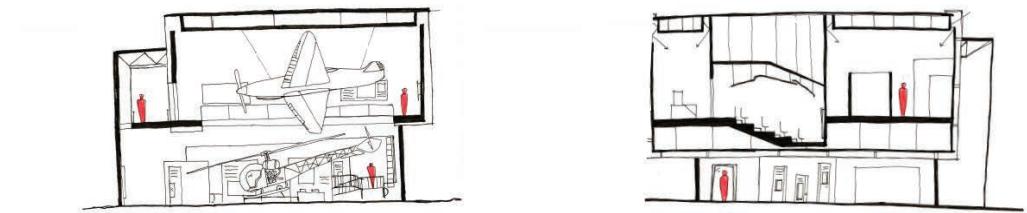
Upper Level

1. Entry Vestibule
2. Coat Room
3. Mens Toilet Room
4. Womens Toilet Room
5. Community Room
6. Lobby
7. Cafe
8. Outdoor Seating
9. Gift Shop
10. Medium Gallery
11. Orientation/Movie Room
12. Aircraft Room
13. Viewing Platform

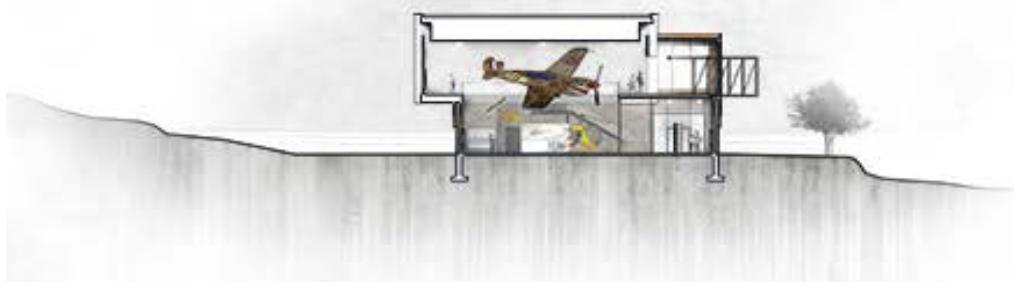
Lower Level

1. Large Gallery
2. Small Gallery
3. Shipping/Receiving
4. Crate Storage
5. Artifact Storage
6. Preservation Room
7. Work Room
8. Storage
9. Library
10. Break room.
11. Office
12. Curator Office
13. Conference Room
14. Administrator Office
15. Bathroom





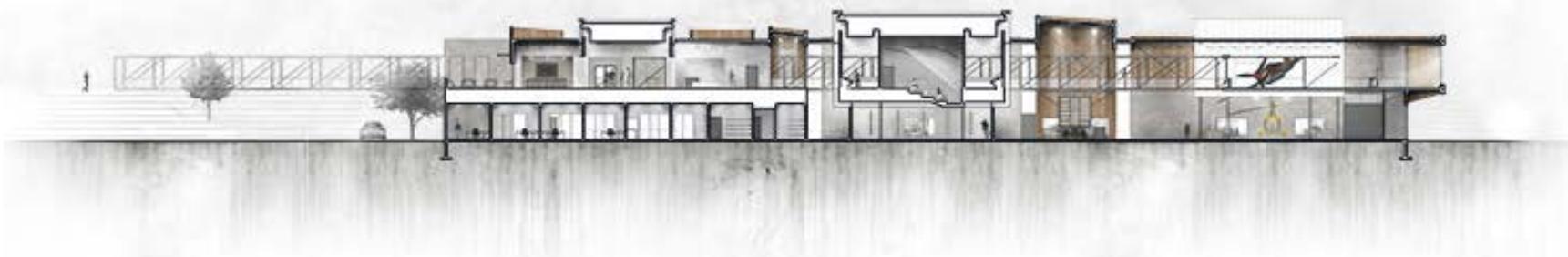
West Elevation



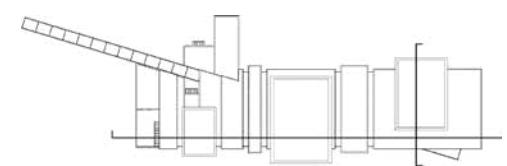
Section 1

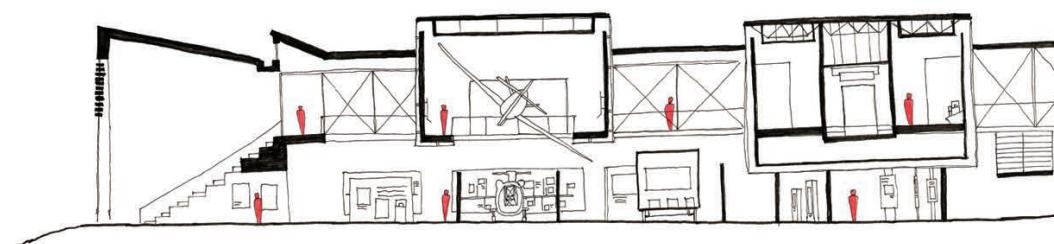


South Elevation



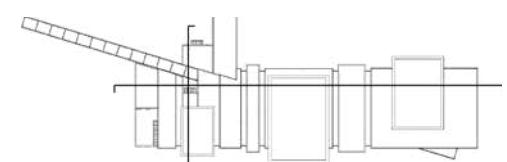
Section 2

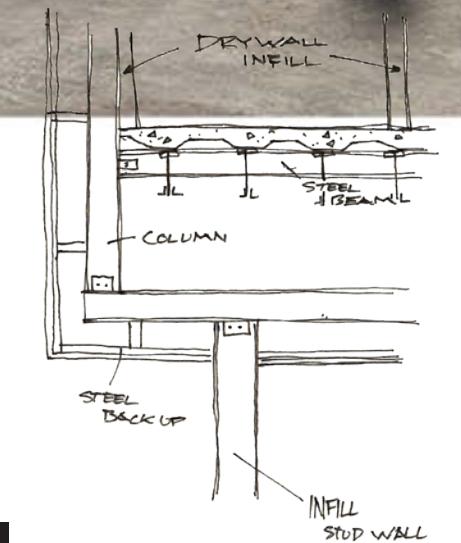
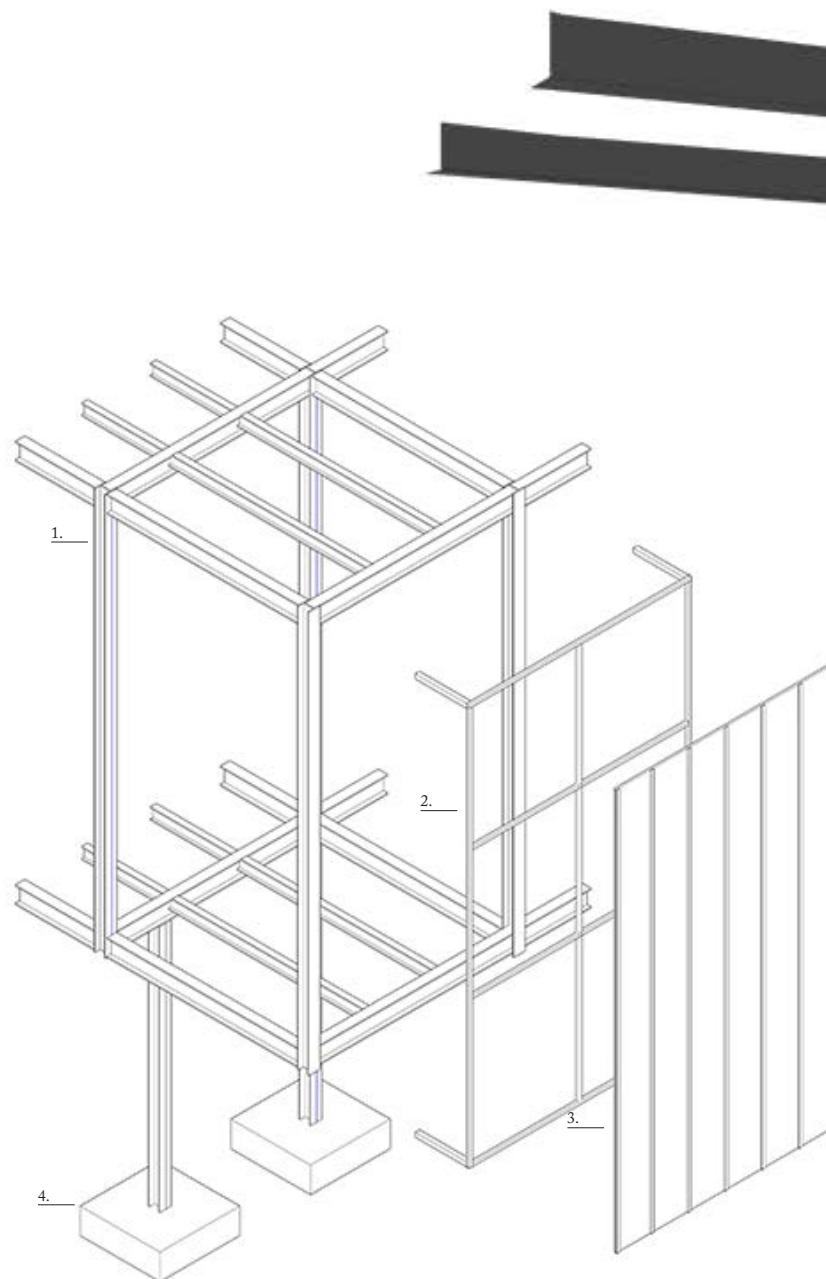




Section 3

Section 4





BUFFALO RIVER

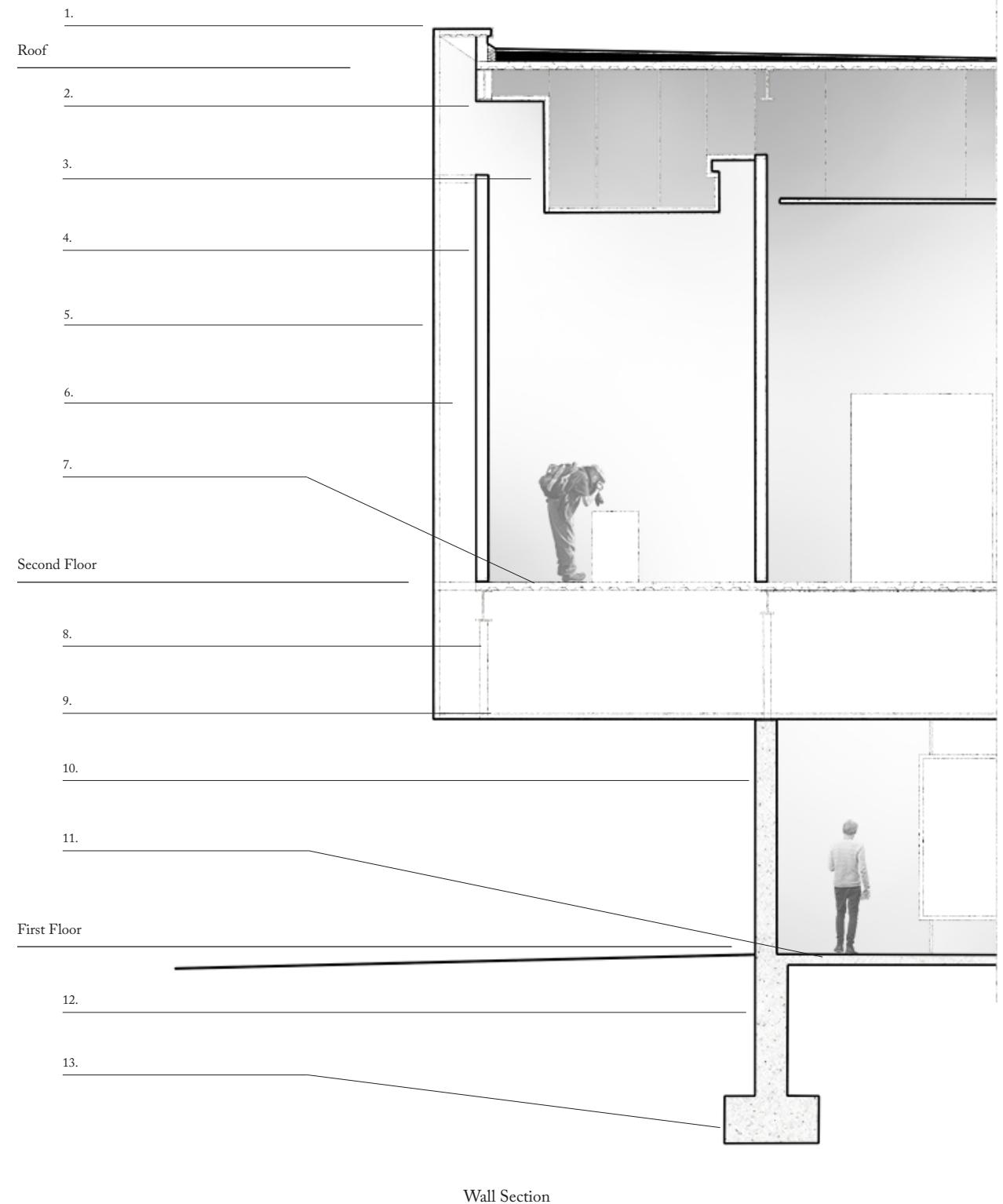
1. Steel Building Structure
2. Wall Panel Structural System
3. Translucent Insulated Panel
4. Concrete Column Footer

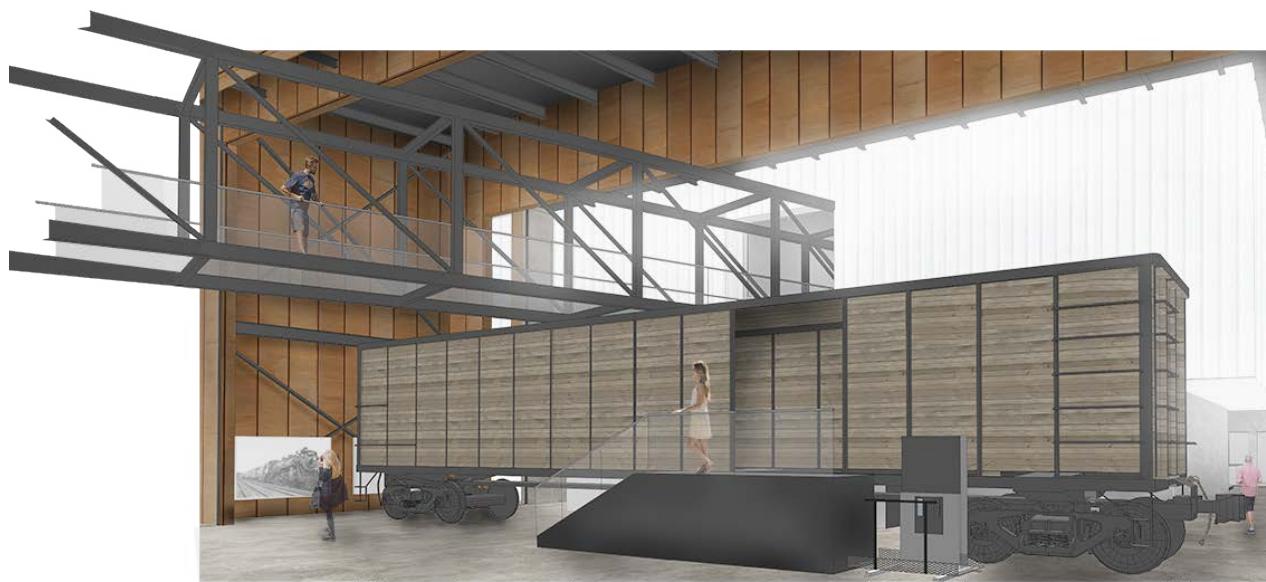
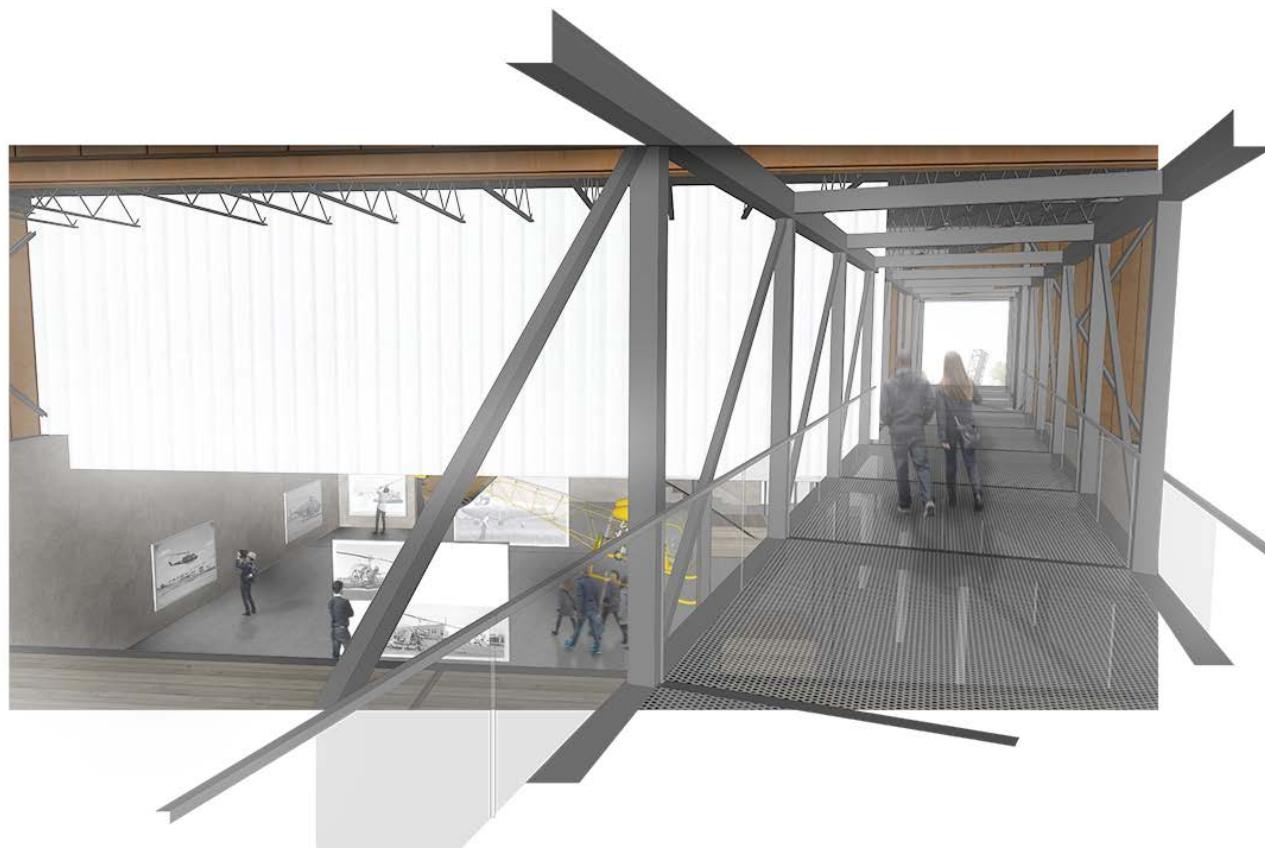
The medium gallery is the first exhibit that the visitors experience. The space is a contradiction from the rest of the exhibits. The gallery is bright and full of natural light. Visitors enter on the bridge and exit through the bridge. The structure of the bridge even pierces through the space to reinforce the datum. The orientation room is also found in the medium gallery and the gallery circulates around it.



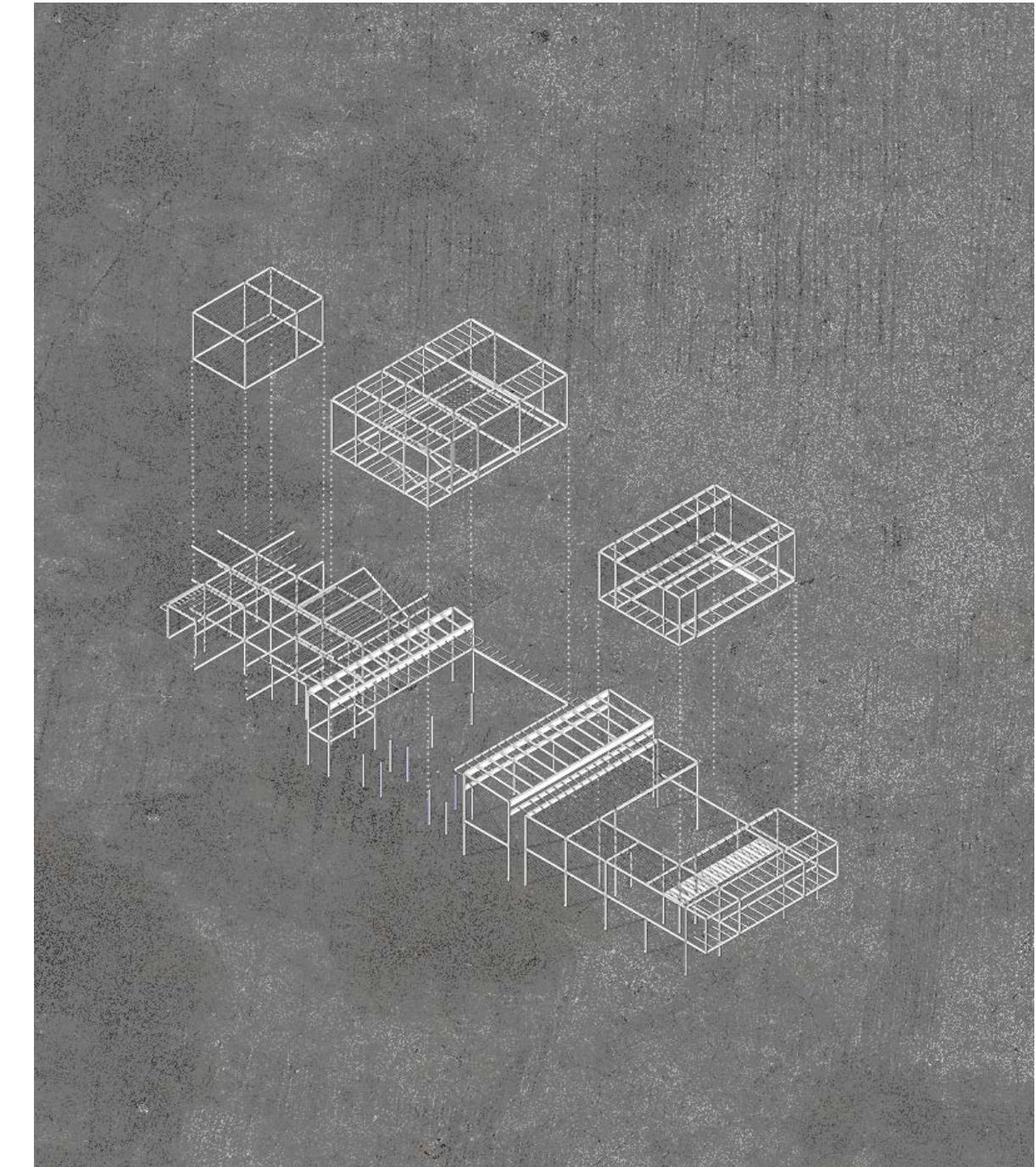
Detailed Elevation

- | | |
|---------------------------------------|--|
| 1. Metal Flashing | 8. 4" Steel Tie Back System |
| 2. 2"x 6" Parapet Wall | 9. 2" Steel Support System |
| 3. GYP Board Ceiling & Soffit | 10. 10" Poured in Place Concrete Wall |
| 4. 2"x 6" Metal Stud Wall | 11. 4" Poured in Place Concrete Slab on Grade |
| 5. Translucent Insulated Panel System | 12. 12" Poured in Place Concrete Foundation Wall |
| 6. 2' Air Space | Poured in Place Concrete Footer |
| 7. 4" Poured in Place Concrete Floor | |





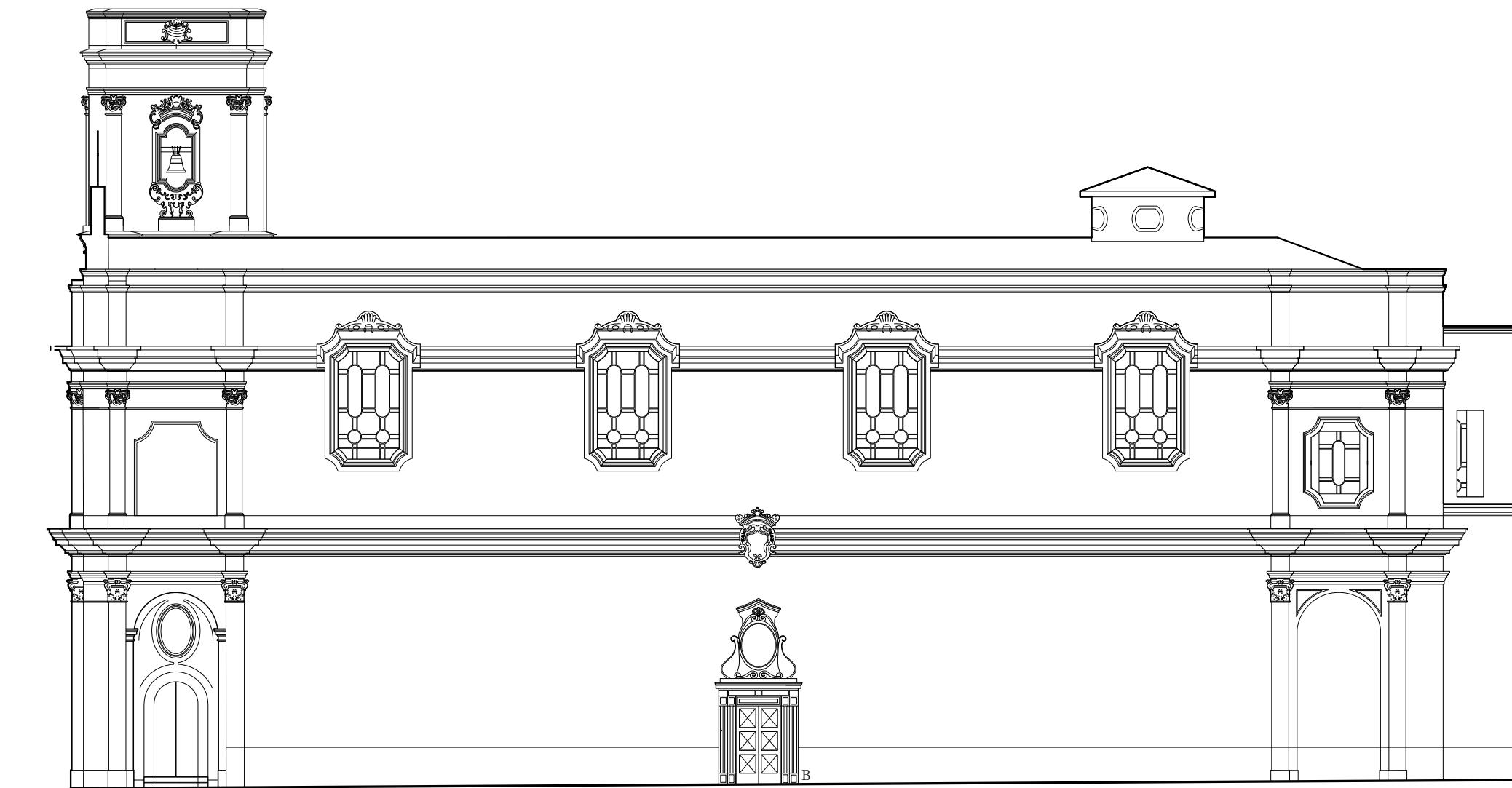
Large Gallery Perspectives



Structural Axonometric

06 /
09

STUDIO
SORRENTO

**TYPE**

Historic Preservation/Documentation

LOCATION

Italy

ANIMATIONS

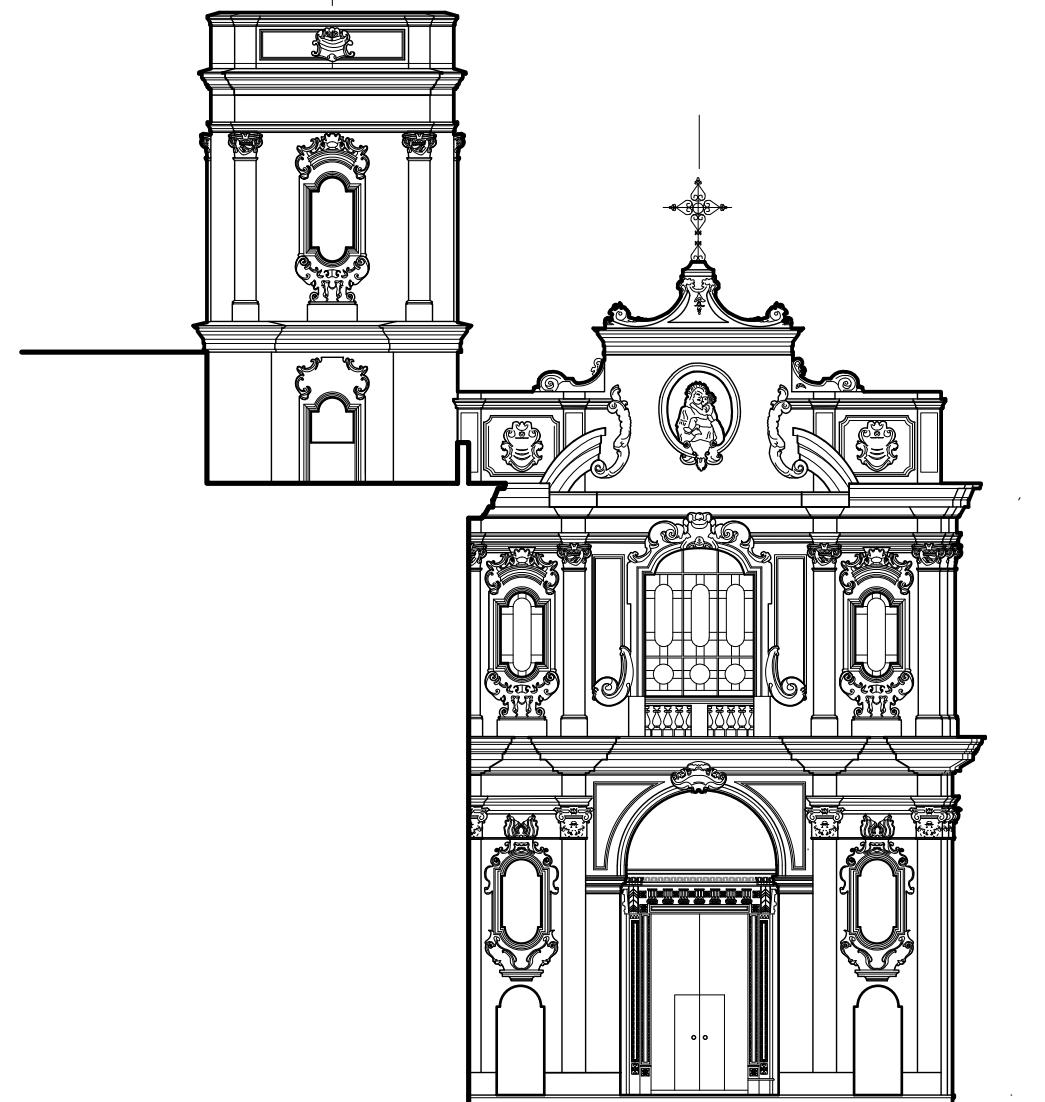
www.ryandebree96.wixsite.com/portfolio/sorrento

BRIEF

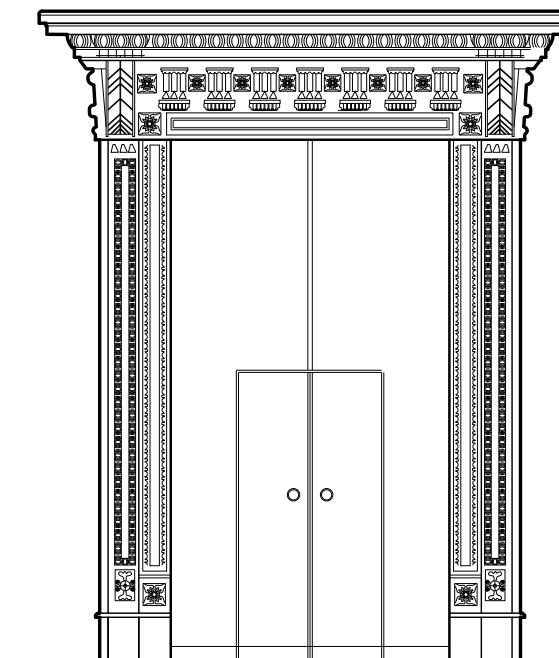
While studying abroad in Sorrento, Italy, I had the unique opportunity to participate in a Historic Preservation and documentation studio. We had the opportunity to document and analyze historic buildings using new techniques through the use of cutting edge technology. We utilized 3D printing, drones, 3D scanners, Virtual Reality, and 360 degree cameras to document buildings like never before. Through our documentation and analysis we were able to truly understand and explore ancient Roman and Greek structures.

MEDIA

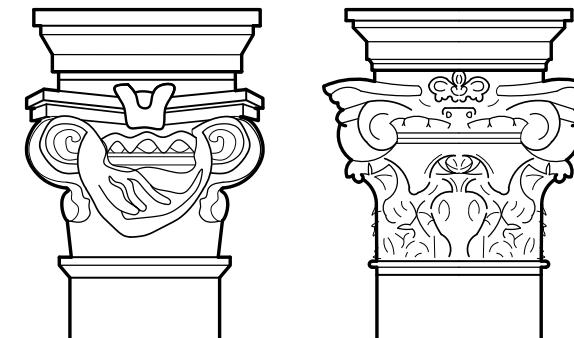
Sketchup, AutoCAD, Photoshop, Illustrator, InDesign, Blender, Remake, Recap



Front Elevation



Front Door



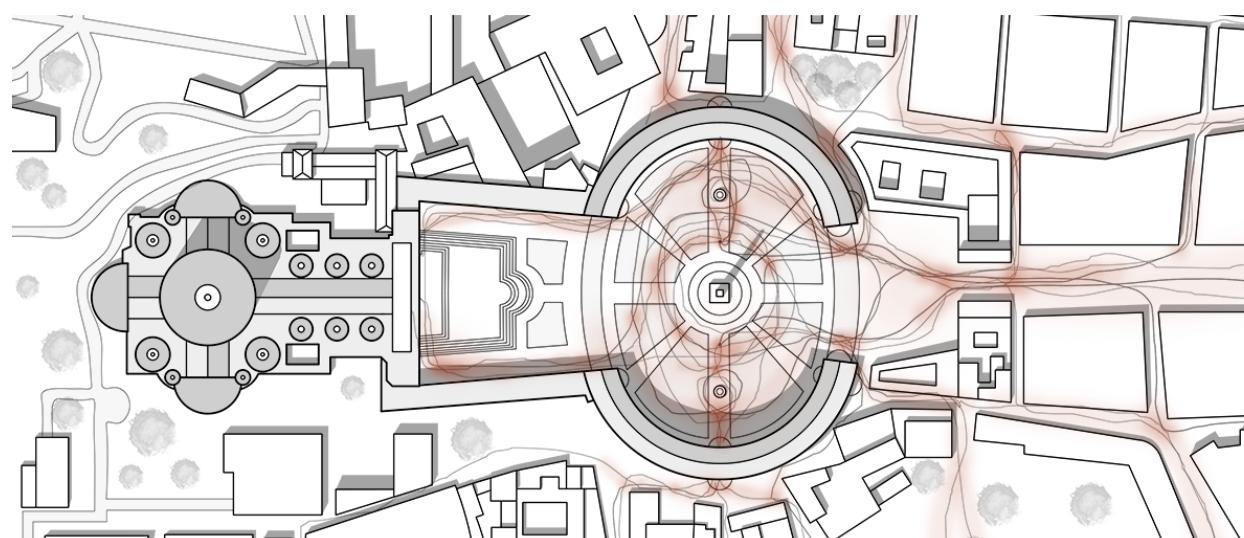
Column Capitals

2D DOCUMENTATION

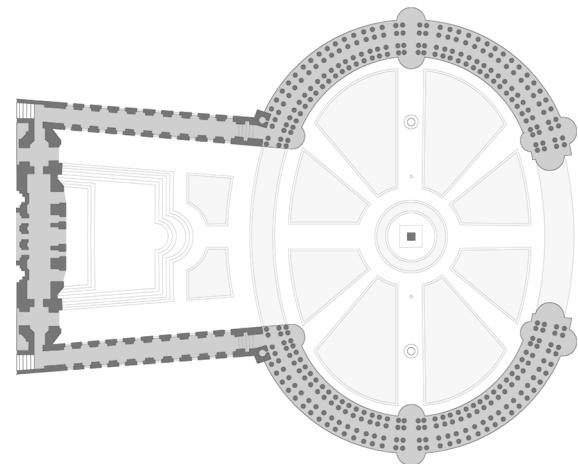
The Santuario della Madonna del Carmine is located in Sorrento, Italy, and the basilica was originally constructed in 1572. For this project I collaborated as a team with Colin Davidson, Nicholas Graziouse, and Christopher Platt. We documented and analyzed the inside and outside of the basilica to create a site plan, floor plan, elevations, sections, and details.

DETAIL

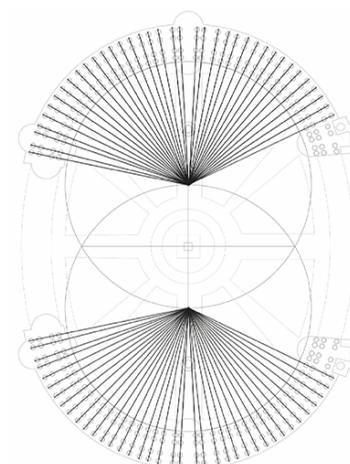
We found the detailing on this basilica to be extremely fascinating, and we wanted to capture it all. We utilized photographs, three dimensional scans, and 360 degree photographs to help us create two dimensional details. This is a sampling of the details we created. We focused on door trims, column capitals, and window trims.



Circulation Diagram



Colonnade Plan



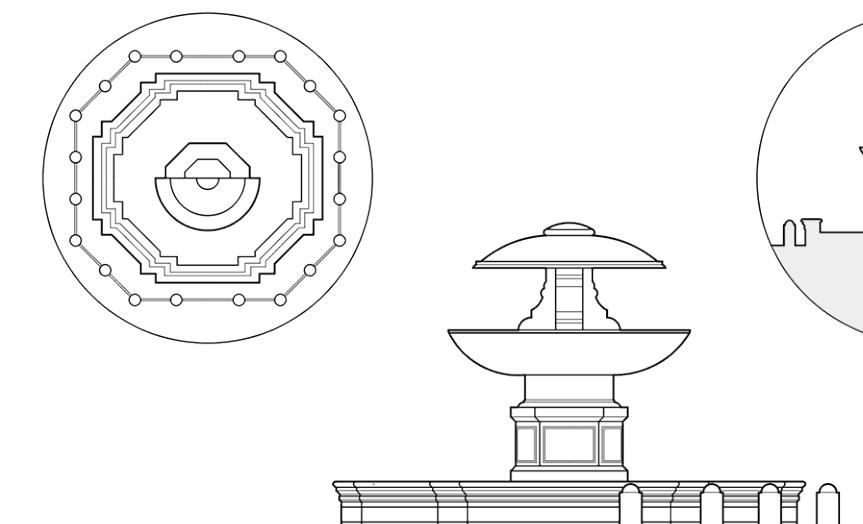
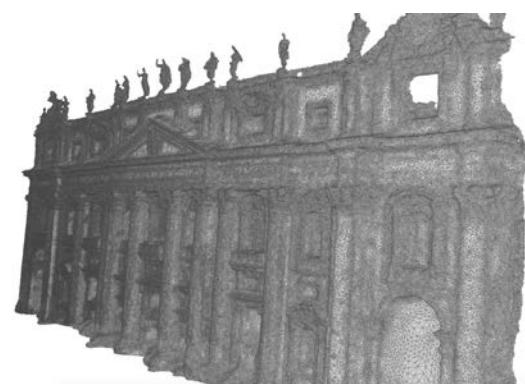
Colonnade Analysis

ST. PETERS SQUARE

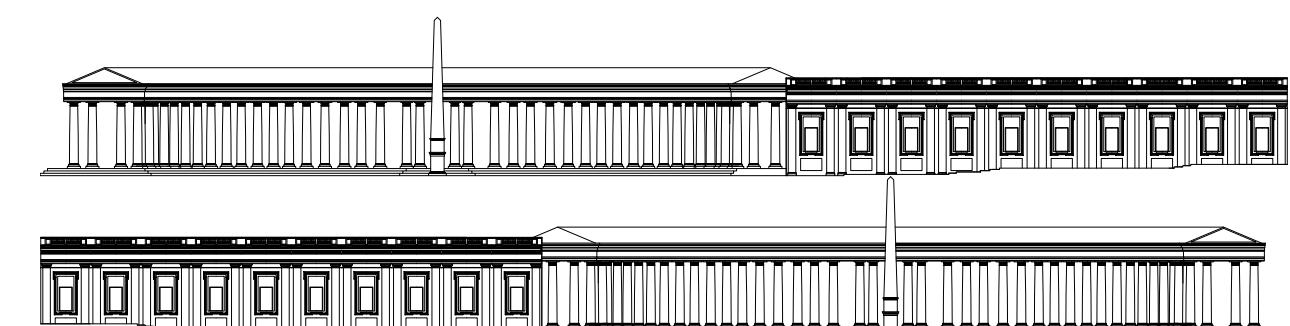
To increase our understanding of three dimensional technology and documentation, Mary Allen and I collaborated together to document St. Peters Square. Together, we captured 360 degree photographs and videos, three dimensional scans, and virtual reality. In the end we created a three dimensional digital model of the square, and we were able to create plans, elevations, and even animations of the space.



St. Peters Basilica Facade Scan



Bernini Fountain



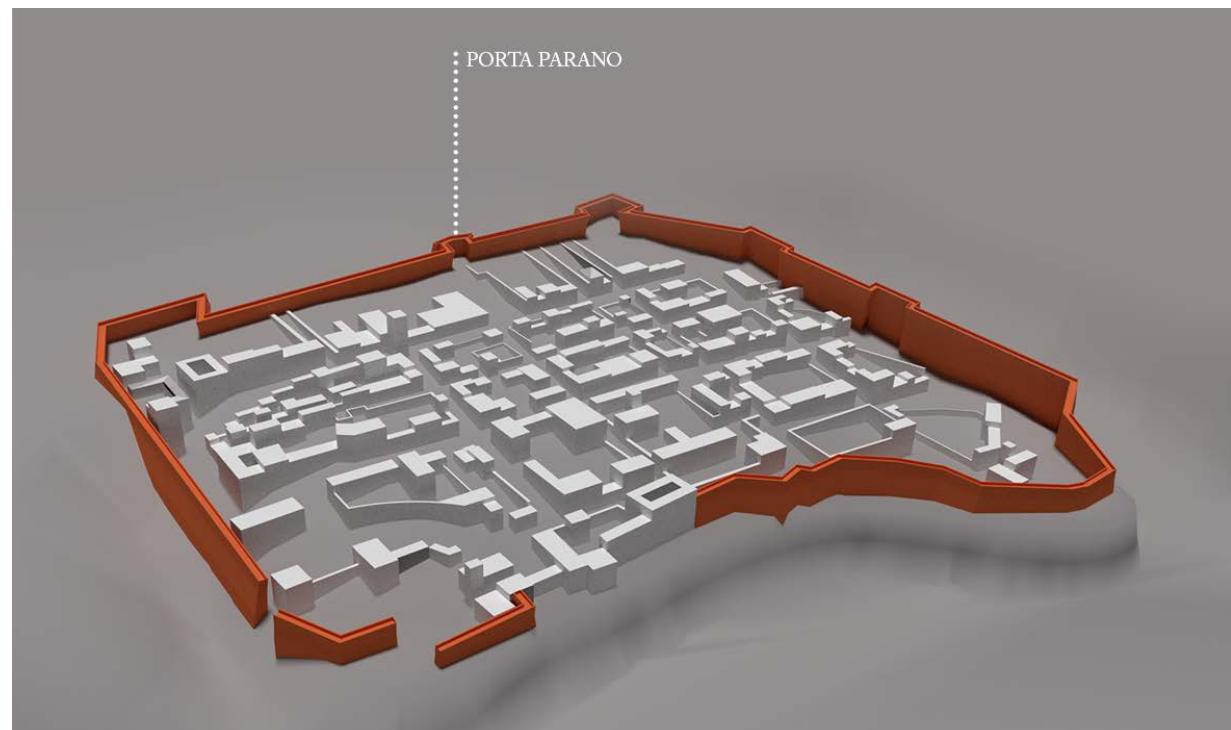
Colonnade Elevations



17th Century Sorrento

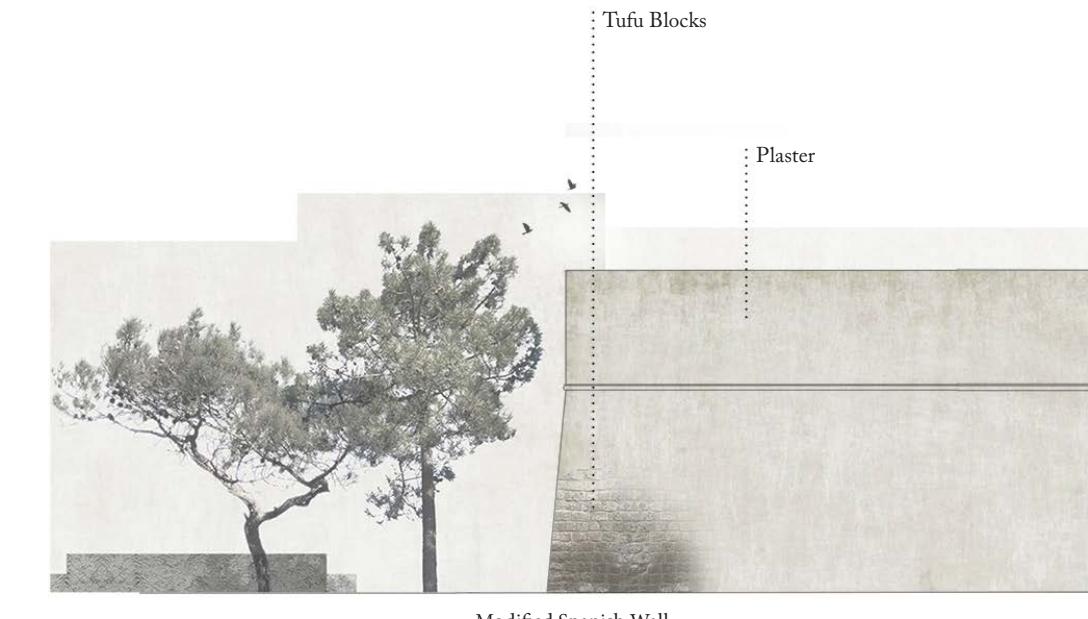


Current Sorrento

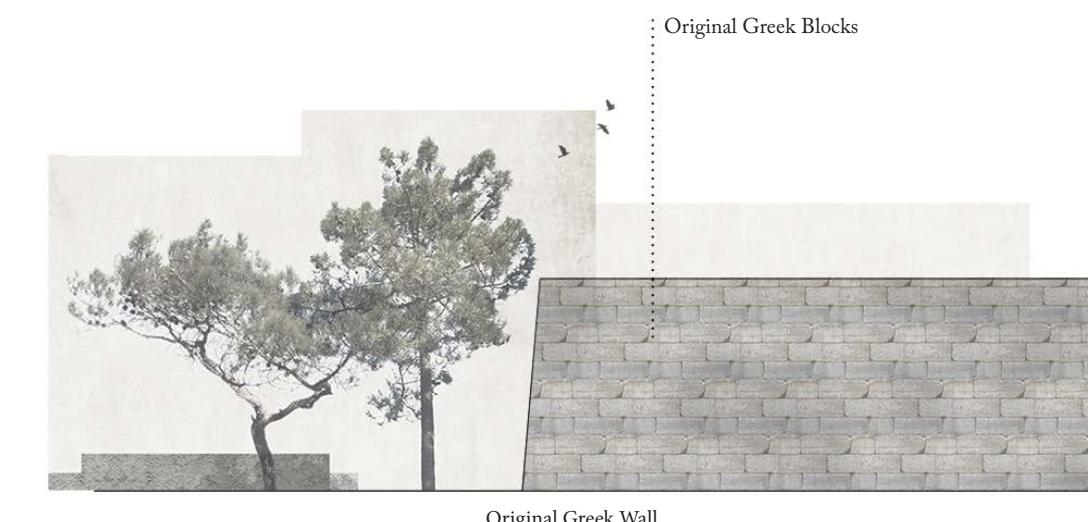


SORRENTO WALL

During our time in Sorrento, Mary Allen and I became fascinated by the ancient wall of Sorrento, and the impact it had on the formation of the region. Through our research and analysis we found the original footprint of the wall. From there we were able to create a three dimensional digital model of the wall, and were able to recreate the development of the wall and town through a series of animations.



Modified Spanish Wall



Original Greek Wall

LAYERS

The walls of Sorrento date back to the Greek era. The original segments of wall can be still be seen under the Porta Parsono gate. These early walls were constructed of large blocks. The remains of the wall that are visible today were constructed by engineer Pedro Treino. These segments were built in rows of tufa stone, and protected by a layer of plaster.

07

09

**THE
NETWORK****TYPE**

Urban Design

LOCATION

Clarence, NY

BRIEF

This project is based on analyzing the Eastern Hills Mall in Clarence, NY. The once successful mall is now considered a dead mall, a common occurrence across the United States. The scope of this project mimics an urban design project on a smaller scale. The studios' task was to turn the mall and its surrounding site into a lifestyle center in an attempt to create a livable community that respects the demographic, economic, and social context of the town of Clarence and the surrounding region. By creating a campus shaped around universal design and technology with a focus on sustainability, the Network will create a community, fully accessible to people of all abilities, that will be the first of its kind.

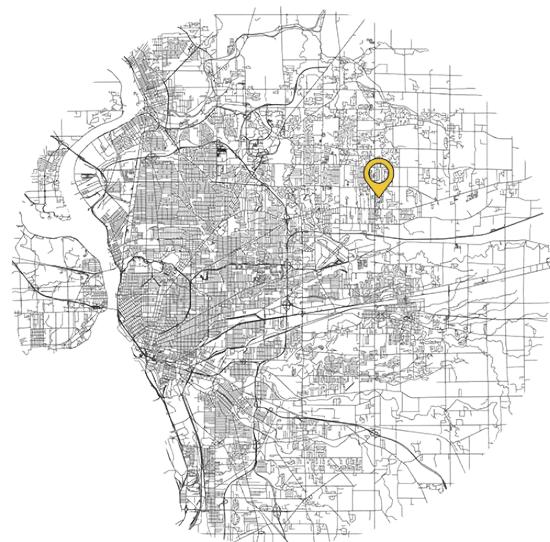
This project was a collaboration between 13 team members.

MEDIA

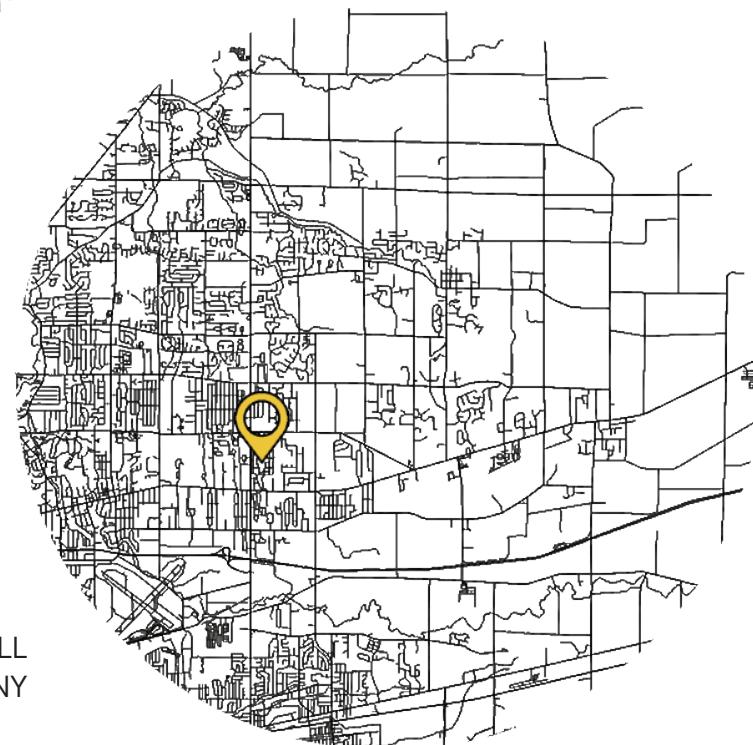
Rhino, Sketchup, AutoCAD, Photoshop, Illustrator, Indesign, Llumion

FULL REPORT

https://issuu.com/ryandebree/docs/the_network



BUFFALO, NY

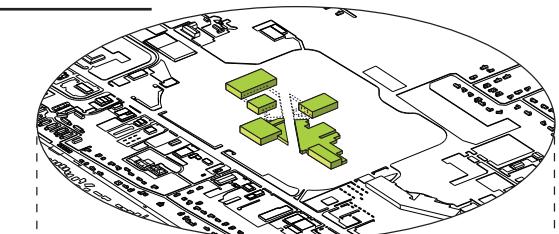
EASTERN HILLS MALL
CLARENCE, NY

CLARENCE, NY

Clarence, NY is a suburb located twenty miles from the city of Buffalo. Clarence currently is a sprawling suburb with a wealthy demographic. These factors mixed with its relationship to Buffalo provides a unique opportunity for a mixed use campus with high density housing, retail, office, and community spaces.

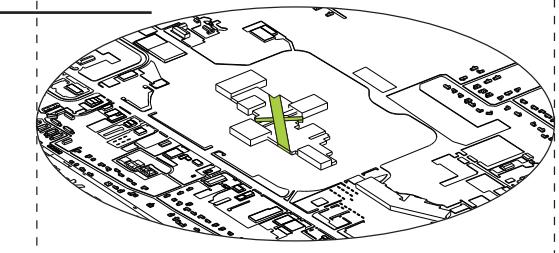
FINAL ADAPTATION

The final design highlights the main pedestrian spines and allows the user to move through out the site easily.



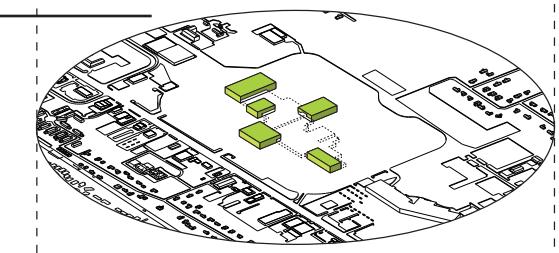
SPINE PLACEMENT

The spine is cut in between the existing anchor stores through the interstitial spaces. The two axes establish a primary and secondary spine with a focus on the pedestrian.



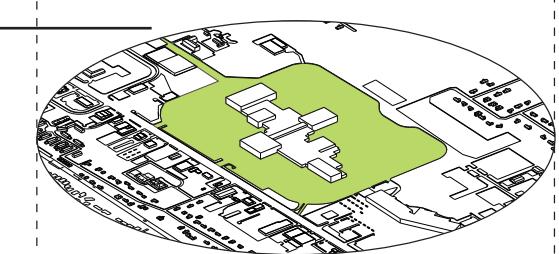
ANCHOR STORES

The anchor stores represent the most valuable portions of the existing structure.



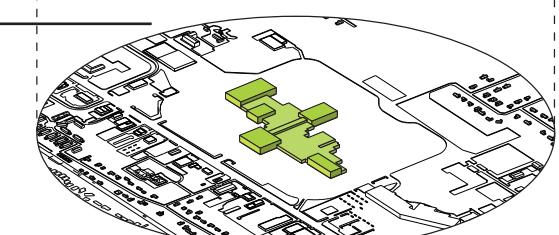
EXISTING HARDSCAPE

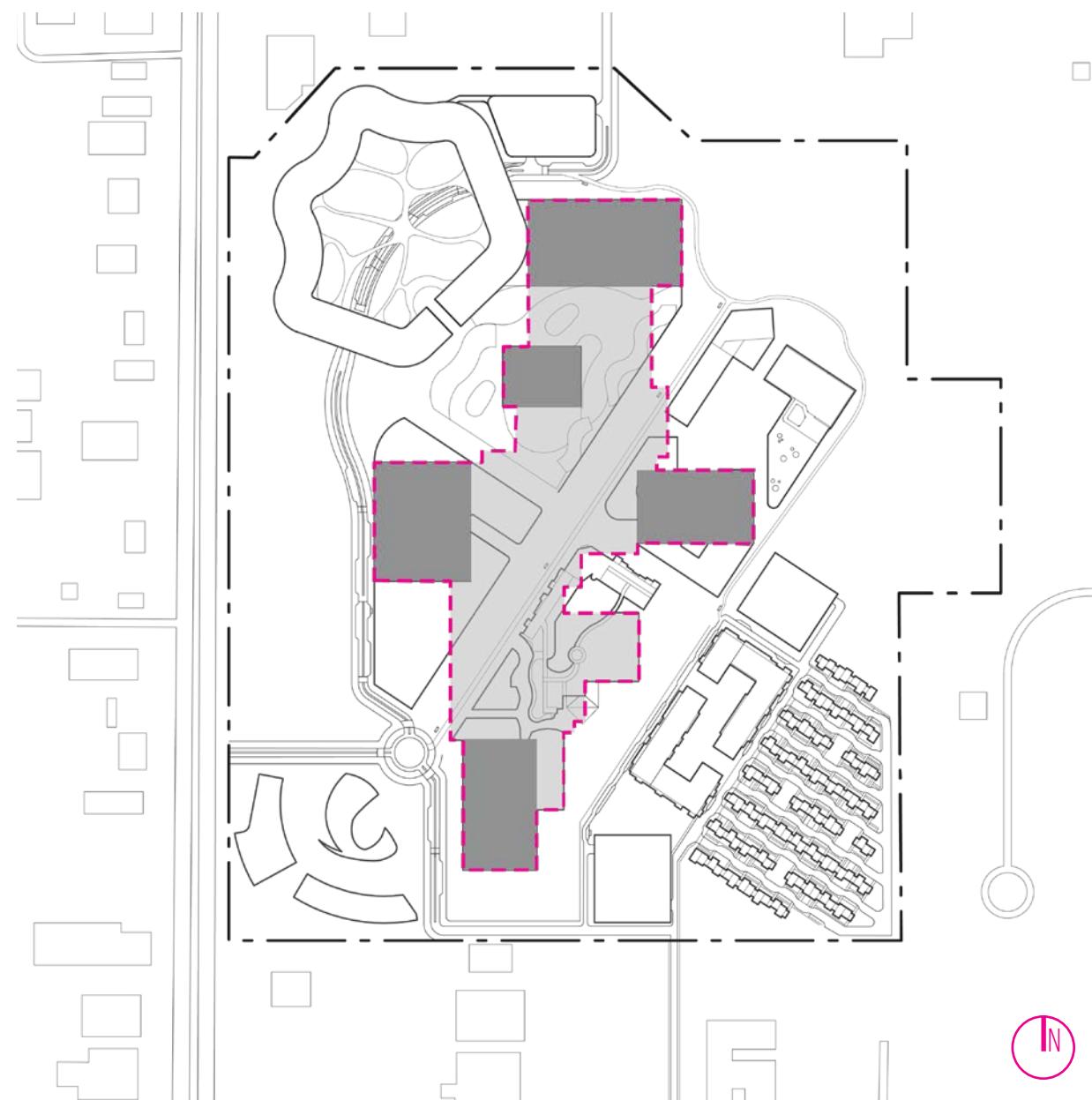
The existing Eastern Hills Mall structure is surrounded by a massive sea of parking. The amount of parking needs a water retention pond on the east side of the site.



EXISTING MALL

An analysis of the mall compared to it's immediate surroundings revealed the major density shift that is apparent.





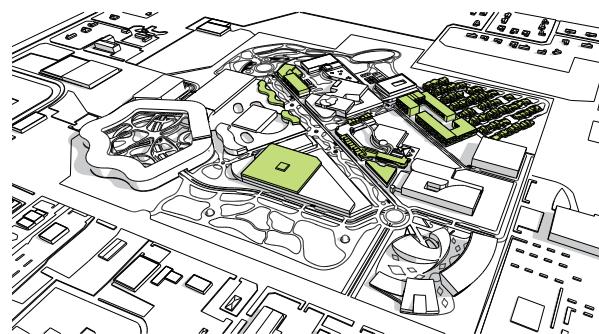
EXISTING MALL

The Eastern Hills Mall was an influential part of the development of Clarence, NY for the past 50 years. The mall brought the suburban shopping dream to a reality and thrived for over two decades. However, due to changing consumer demands malls are going into decline and it is time for a change.

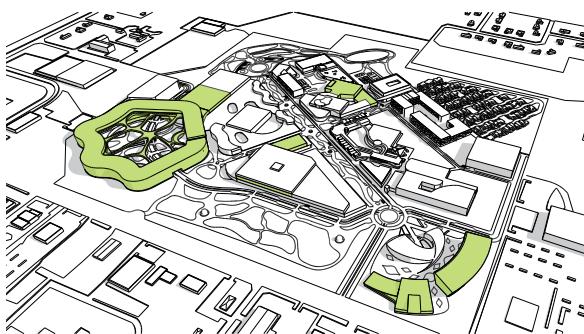


PROPOSAL

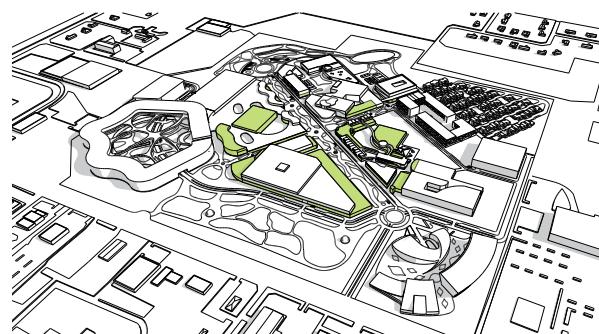
The design for the Network will reuse the mall site and in doing so provide Clarence with some much needed elements that it is currently lacking. Higher density housing, more retail, and a walkable community will be implemented within this new campus without intruding upon the community that is already established within Clarence.



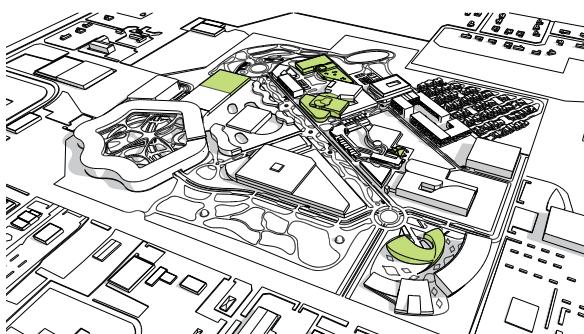
RESIDENTIAL
426,800 Sq. ft.



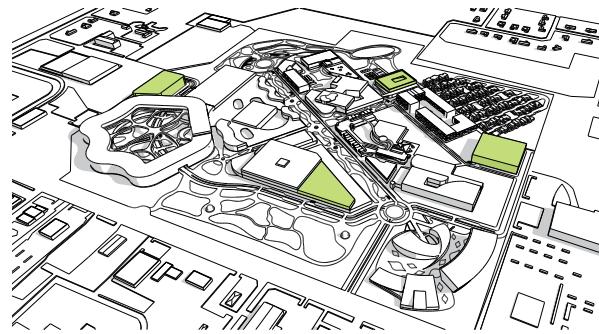
OFFICE/TECH
1,333,619 Sq. ft.



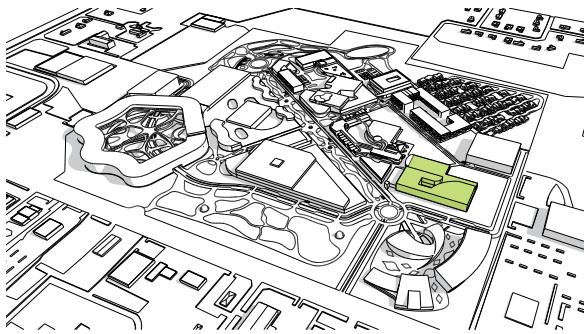
RETAIL
493,864 Sq. ft.



AMENITY
379,958 Sq. ft.



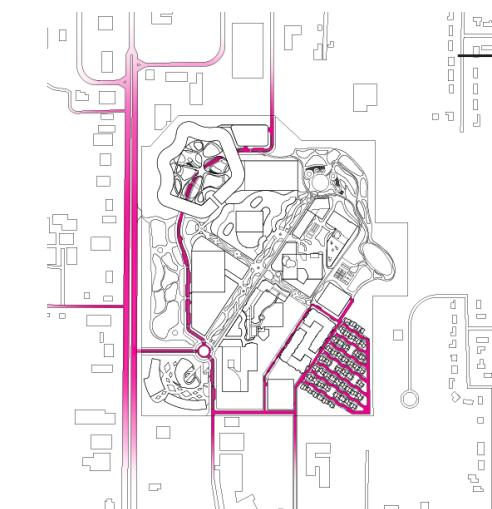
PARKING
478,193 Sq. ft.



MEDICAL
350,000 Sq. ft.

PROGRAMMING

Through research and analysis of Clarence and the surrounding region, as well as similar projects and case studies, the design team calculated and determined square footages for multiple uses. The uses and areas allotted would provide for a sustainable and successful community within Clarence, NY.



VEHICULAR CIRCULATION

Vehicular traffic was provided to bring consumers and visitors on-site and offer them access to all the amenities provided on this campus.



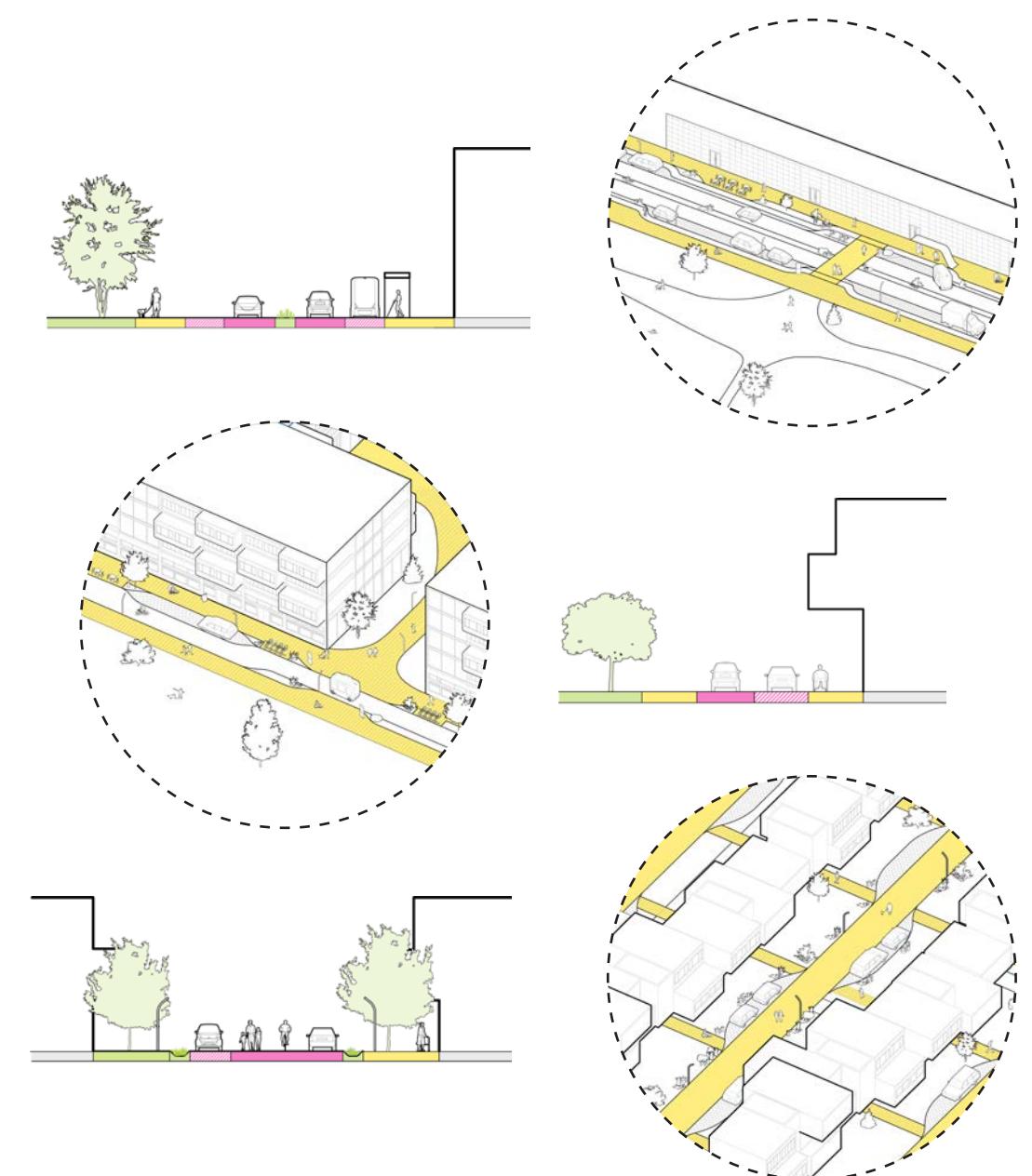
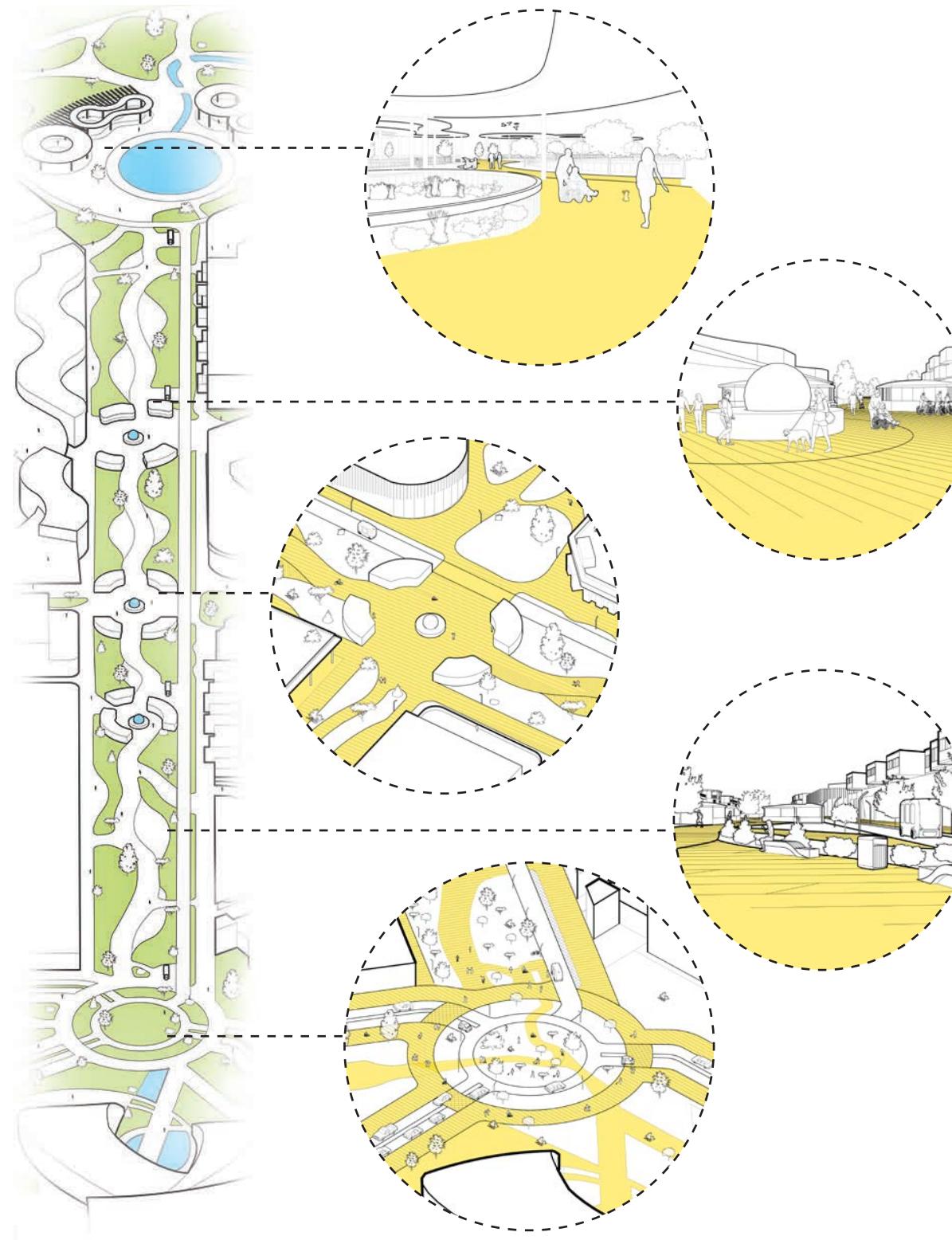
PEDESTRIAN CIRCULATION

The design for the Network includes a main pedestrian way physically connecting the south part of the site to the north. Also included is a sub-pedestrian path connecting the east to the west.

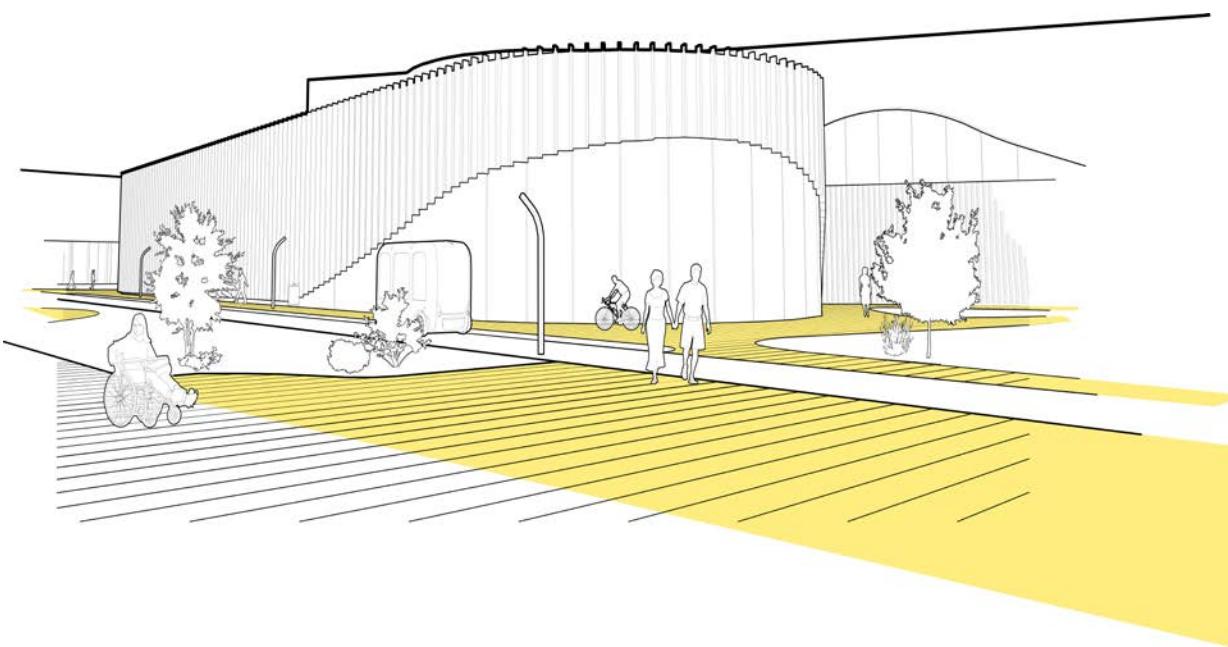


NAVI CIRCULATION

The last form of transportation for the site will be a network navigation system nicknamed Navi. Navi is an autonomous bus that allows anyone regardless of any disability to use it.

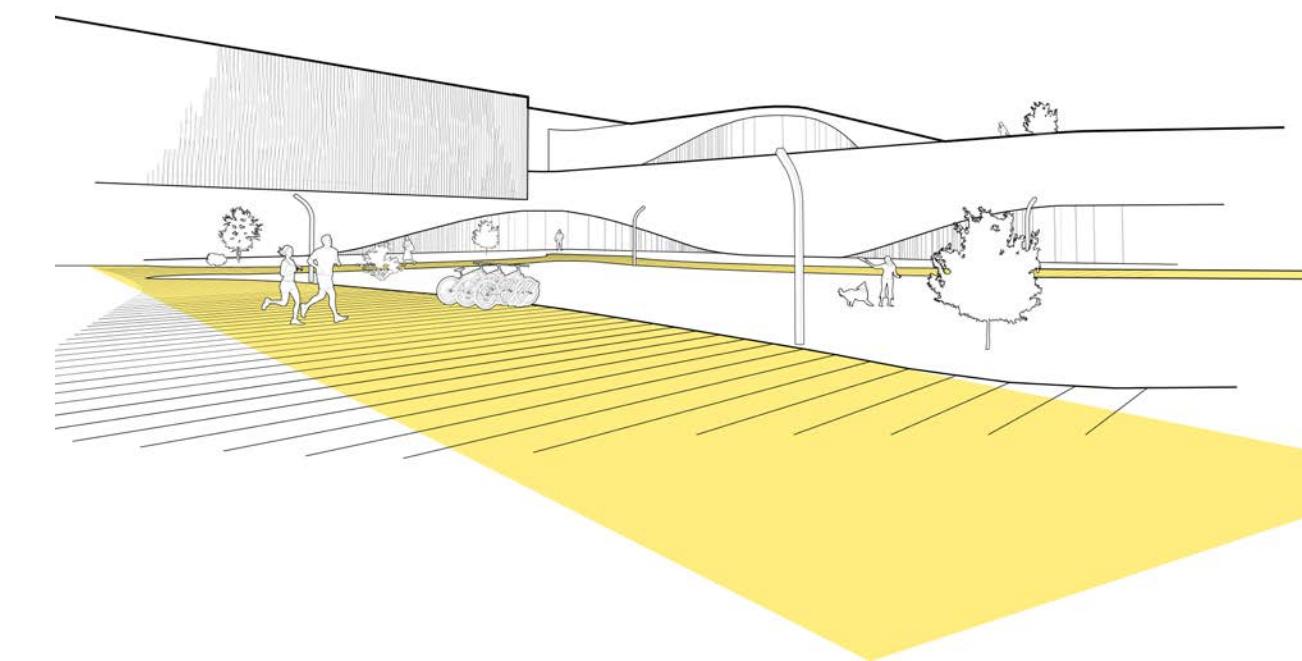
**STREETSCAPE**

The streetscape design includes a comprehensive plan that focuses on the future of auto mobility and pedestrians. The plan is integrated with the site for the best safety, functionality, and form. The design team divided the streets into three uses based on level of activity, including a main street, shared street, and townhouse street, each of these streets include zero step transitions, promoting pedestrian circulation by maximizing accessibility.



THE HUB

The Hub is designed as a community resource center for the site. The hub houses spaces that engage community involvement. This includes a variety of public gathering spaces, learning spaces, a small auditorium, and a botanical garden that draws the community in. The structure includes the adaptive reuse of the former Macy's of the mall, as well as new additions.



RECREATION CENTER

The recreational center is an important amenity of the site. It is designed to be accessible to all. It houses a double gymnasium space with indoor track above. It also includes a large pool facility with inclusive lifts and ramps. Adjacent to a generously sized work out room is a lift assisted rock wall, and a variety of indoor courts.

08**HBT****09**
ARCHITECTS**TYPE**

Internship

LOCATION

Rochester, NY

DURATION

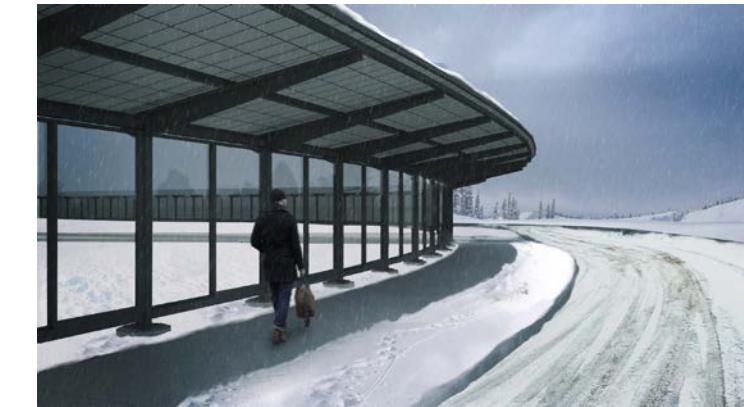
Summer 2016/17

FIRM BRIEF

HBT Architects belief is that successful architecture comes from the understanding of client values, an imaginative approach to problem solving, and the execution of creative, functional solutions.

RESPONSIBILITIES

Responsibilities included regular meetings with architects, clients, and consultants; ultimately participating as a key member in a design team to help prepare and produce 2D and 3D presentation material, as well as helping to prepare construction documents.

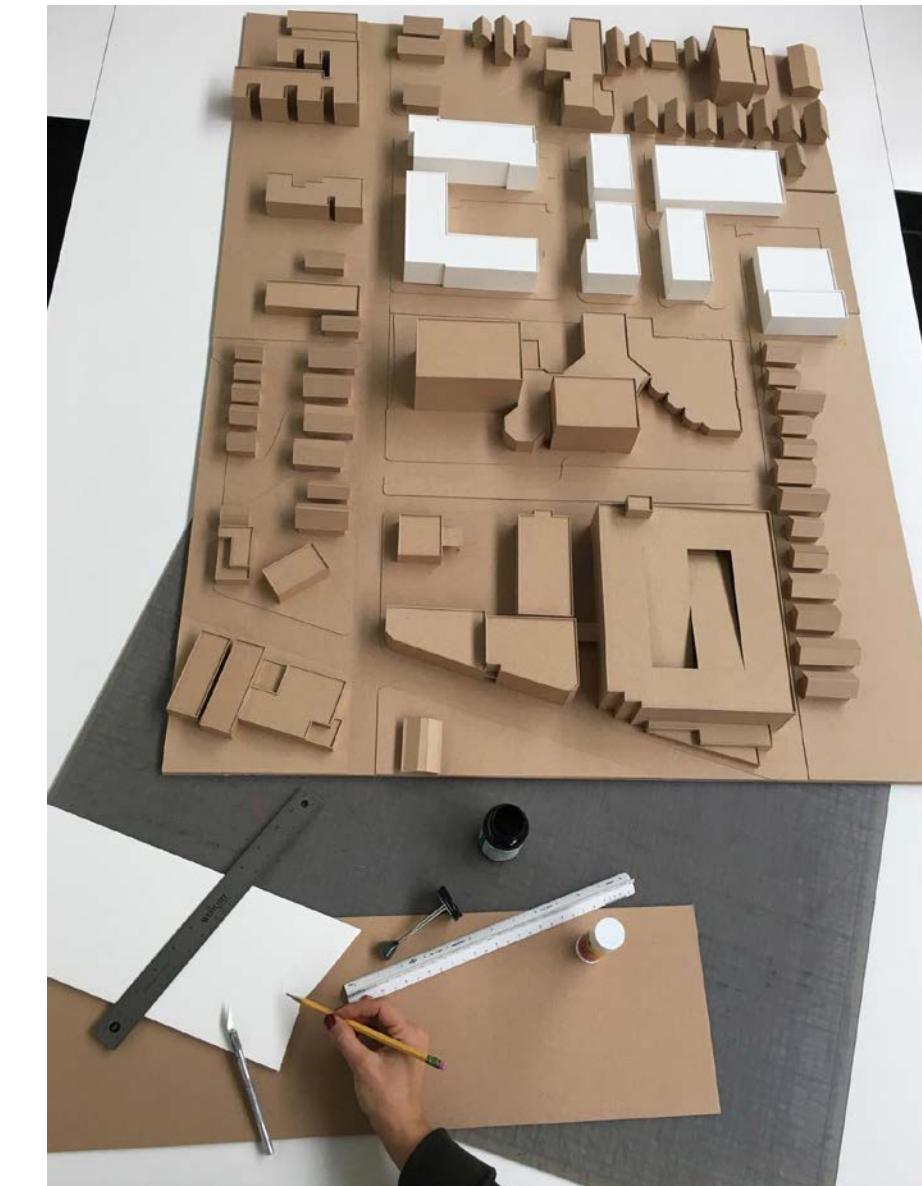
**WALKWAYS**

To help better define a campus, and provide shelter and protection from the elements, I was asked to design a system of covered walkways. Depending on location within the site, the walkways include options for further protection if needed. I was involved in the project from initial concept and sketches to 3D models and renderings for marketing purposes.



ALEXANDER PARK

Alexander Park is a proposed mixed use development, consisting of park, retail, residential, and office spaces. The design includes the adaptive reuse of a hospital wing for studio apartments, as well as five other newly constructed buildings, including a 12 story tower. Combined this development creates a “park” where people can live, work, and play.



MODEL

To help portray the scale of the site and surrounding context of Alexander Park, we created a 1"= 300' scale model of the site and surrounding context. The model highlights the newly proposed buildings and incorporates a removable site that allows for design iterations to be shown.



CAMPUS

The newly renovated Paychex campus was in dire need of unifying elements. We redesigned the campus to include optimized traffic flow and outdoor pedestrian engagement. We placed a new emphasis on pedestrians including new walking paths, interactive elements such as bocci courts and workout stations, and newly designed landscaping and wayfinding.



IDENTITY

Through the use of adaptive reuse we were able to create an identity for the existing Paychex office park. Along with a renovated campus, the design includes an interior renovation, and newly designed entry facades, that create a new identity for the existing buildings. The new entrances visually connect the buildings, and provide a unified element between them.

09

URBAN

SKETCHING



**THANK
YOU!**



RYAN DEBREE - 2014/2017 - PORTFOLIO