

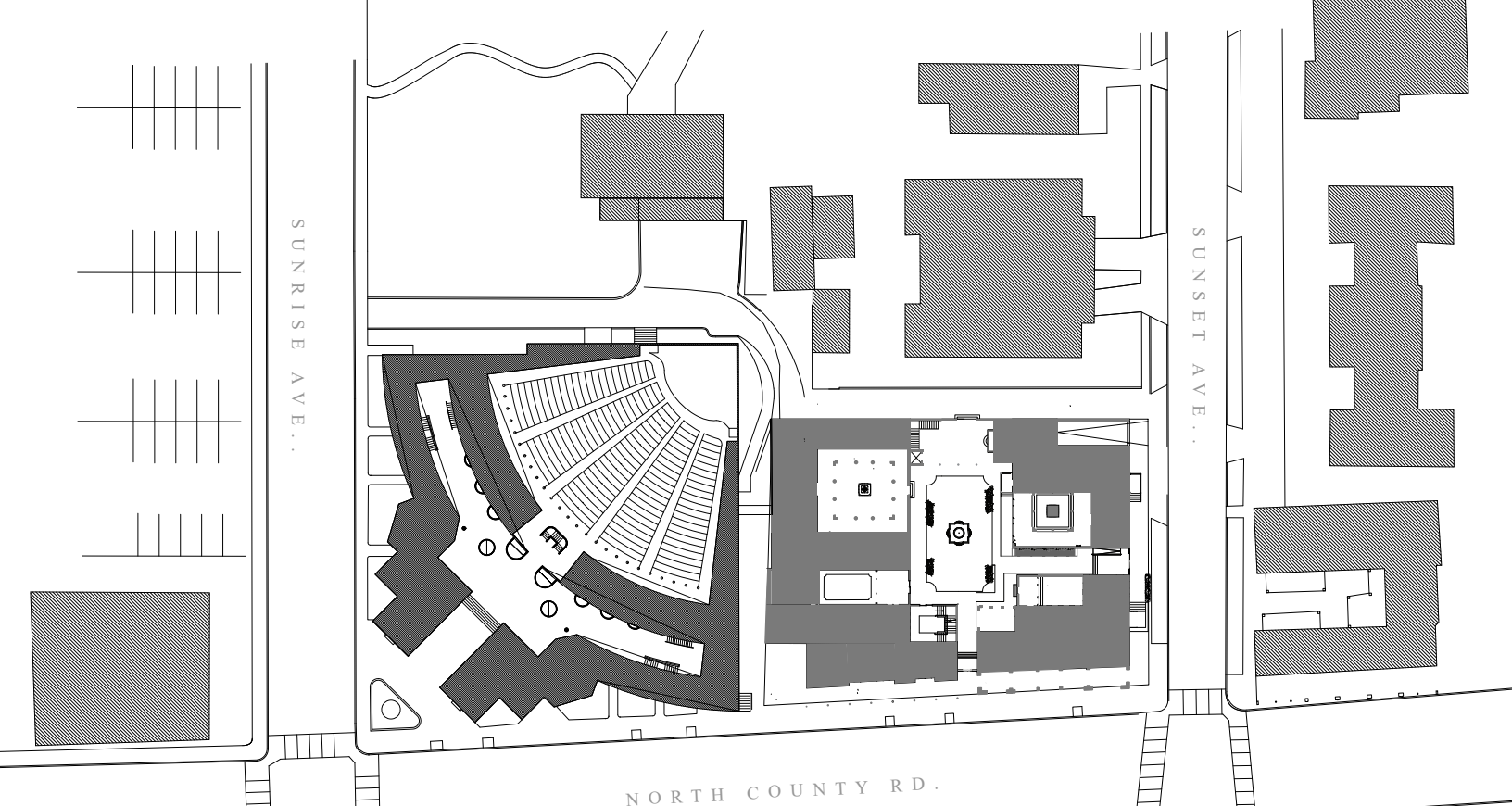
MEGAN SHEEHAN

MIAMI, FL

University of Miami

2018-2023



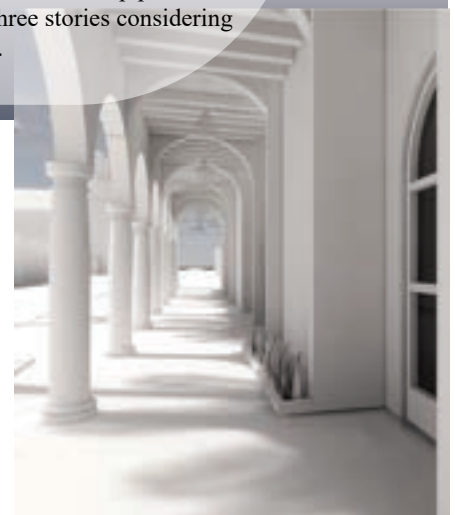
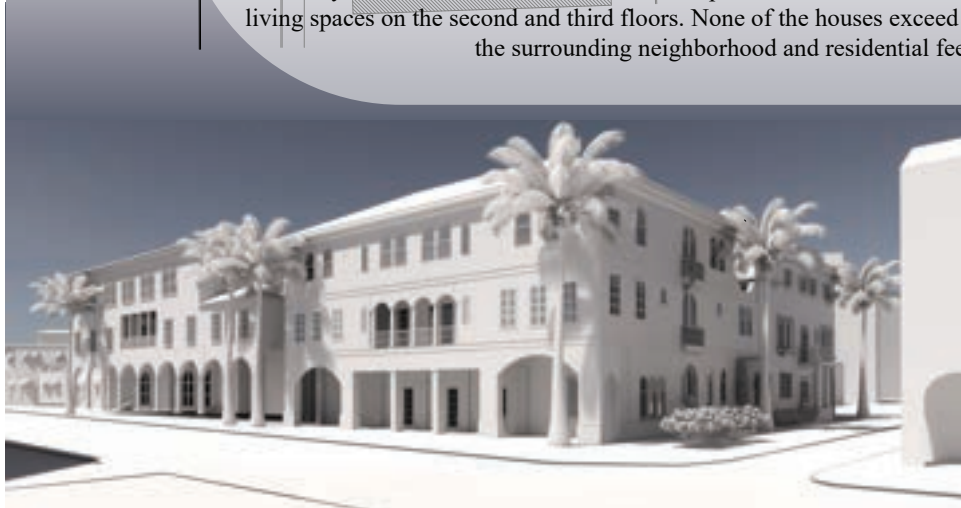


## PALM BEACH RESIDENCES

*5th year*

Our studio collaborated with Robert A. M. Stern Architects on their current project of four luxury houses on a singular lot in historic Palm Beach. After studying famous architects of Palm Beach, such as Addison Mizner, Marion Sims Wyeth, and Maurice Fatio, our project integrates many of the characteristics of Mediterranean Revival features found in their influential structures. Mimicking the context of other Palm Beach residences, our project offers a unique blend of urban living, private residential living, and history.

The 175 ft by 137 ft site of this four unit housing proposal is south of the historic Paramount Theater in Palm Beach Florida, bordered by North County Road (the main street lined with retail and other commercial buildings), as well as Sunset Avenue (a residential side street). The project is driven by an enclosed central courtyard shared amongst the residences, and smaller private courtyards located within each house. Each house has its own entrance off of the central courtyard. In order to ensure privacy from bustling North County Road, the main entrance to the resident's courtyard is located on Sunset Avenue, while a more modest entrance is on North County Road. Houses two and four sit on top of the retail on the first floor and keep private living spaces on the second and third floors. None of the houses exceed three stories considering the surrounding neighborhood and residential feel.







NORTH COUNTY RD



SUNSET AVE

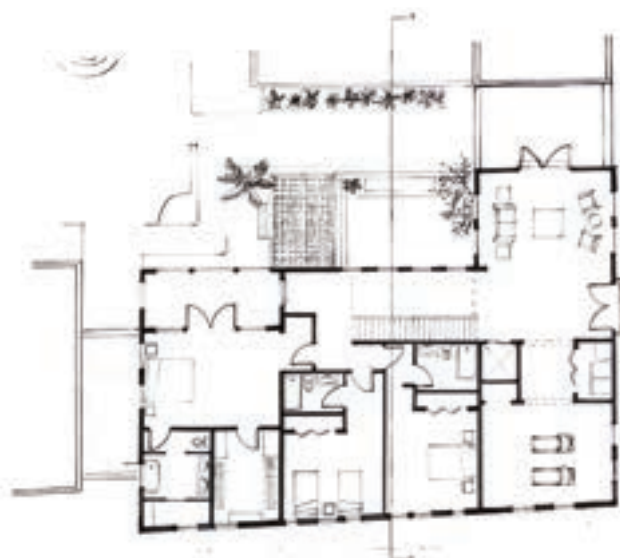
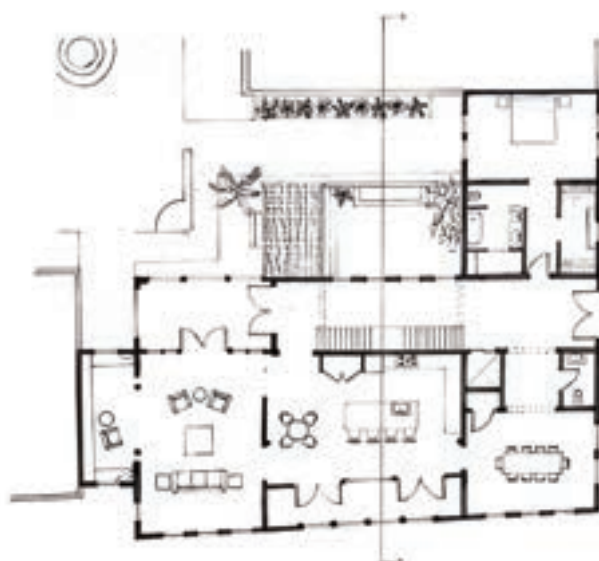
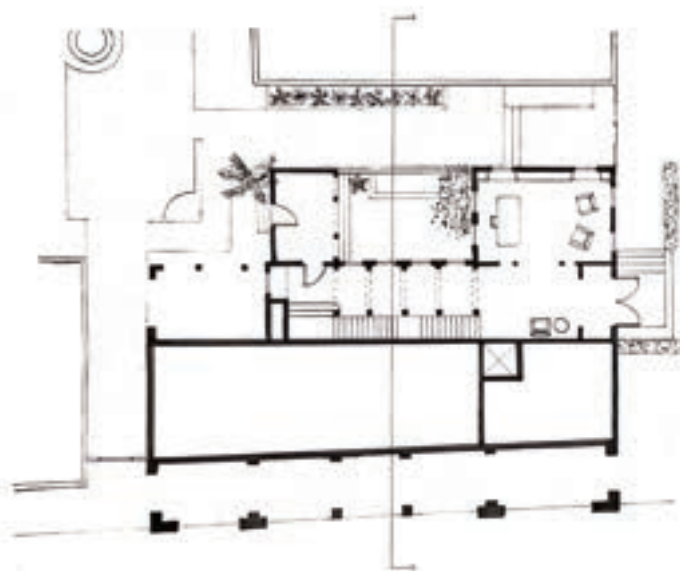
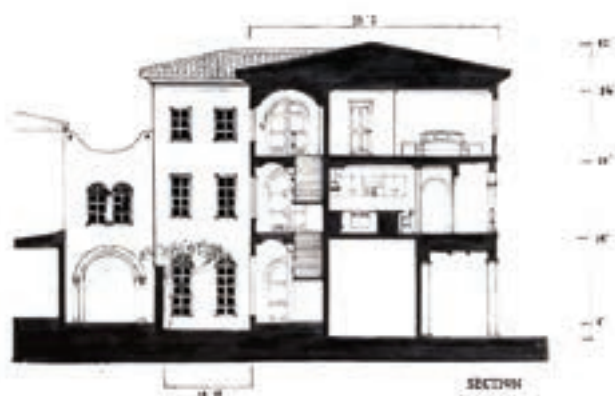
SITE ELEVATIONS



SITE SECTIONS, *drawn by Amy Agne*











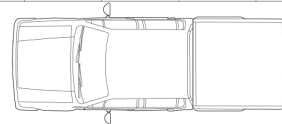
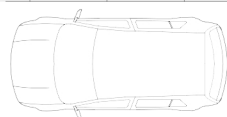
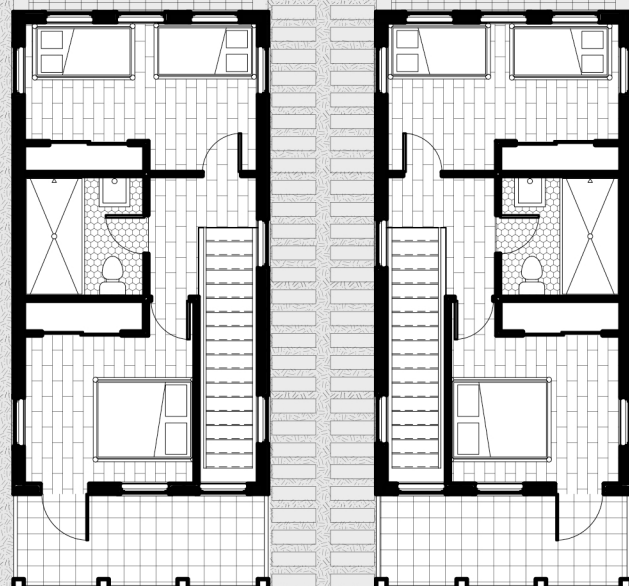
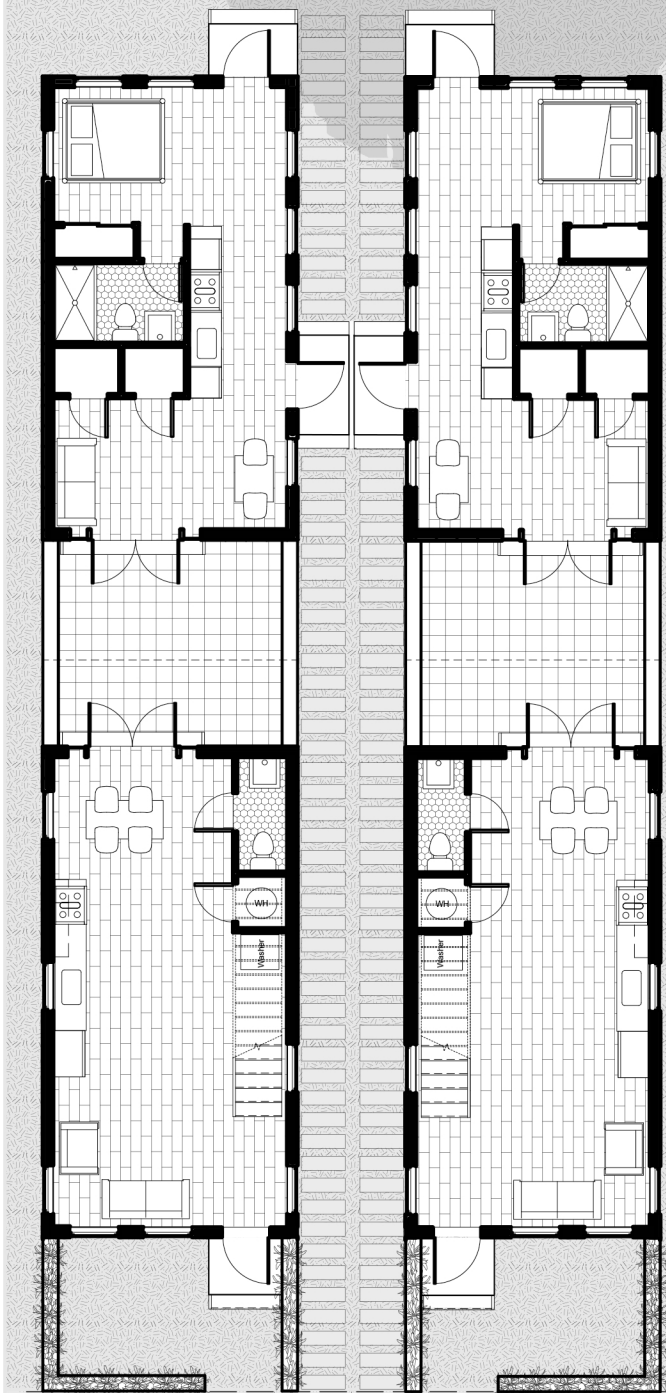
## TROPICAL TOWNHOUSE

*4th year*

Miami is in the center of a national housing crisis. The concept of the “missing middle” states that current housing is only being developed as a single family home or high rise apartment, and the medium between these opposite ends of the spectrum is slowly deteriorating. The duplex and multi-family home is an affordable method to simultaneously preserve neighborhood charm, fit multiple dwellings onto a single family lot, and prevent the spread of a worldwide urban monoculture. Our studio was challenged to fit up to four families in a small lot in Liberty City, and focus on cheap and efficient construction methods. Working with Renco’s new Renco block building method, we focused on constructing compact multi-family homes from pre-engineered blocks as a structural base, finished with board and batten and interior dry walls. My partner and I, Andrey Nash, focused on how to make a small and compact home comfortable and liveable, while sustaining the neighborhood’s classic tropical architecture.







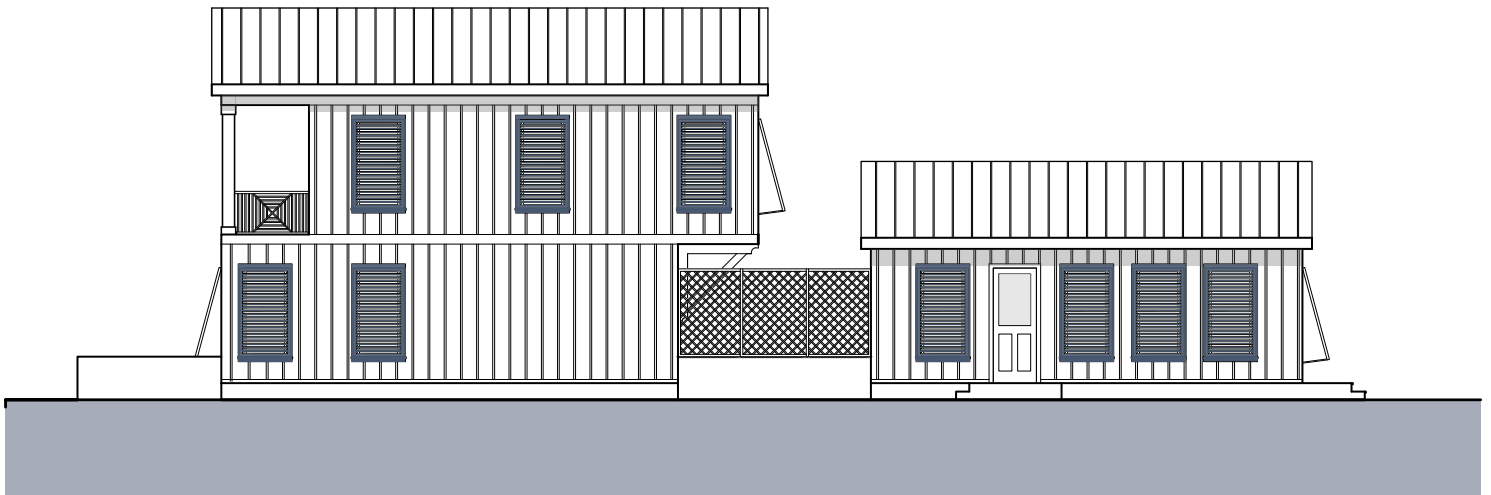
FIRST FLOOR

SECOND FLOOR

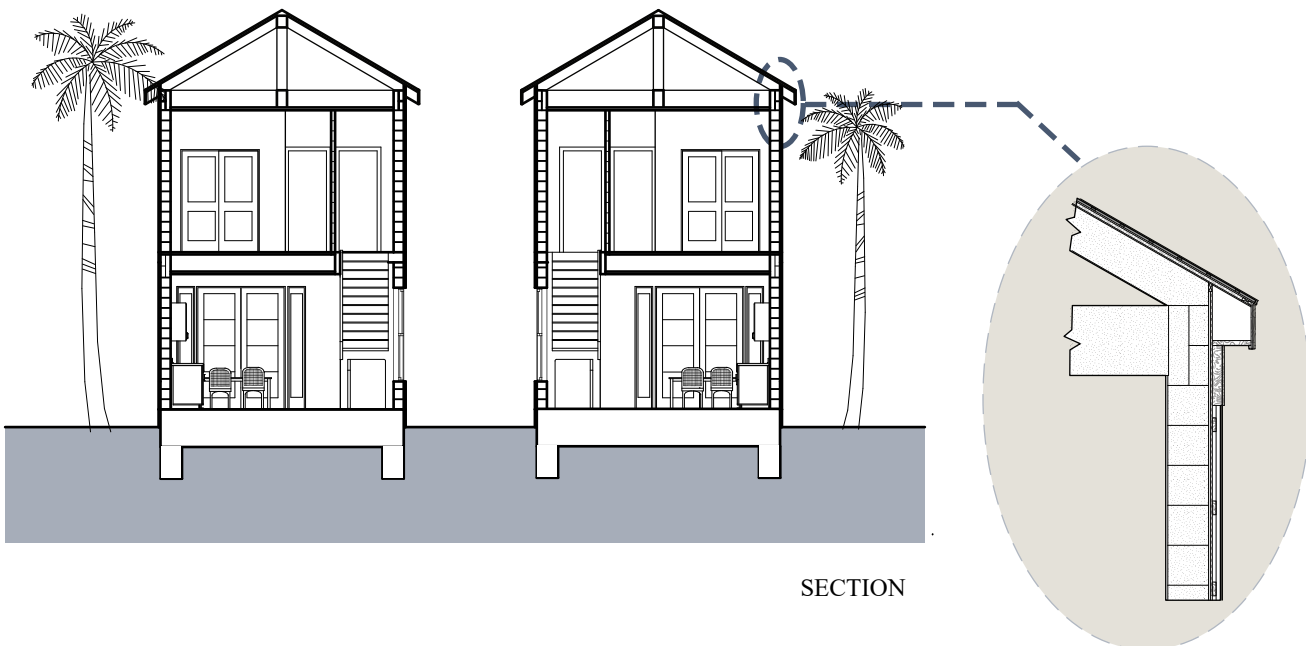




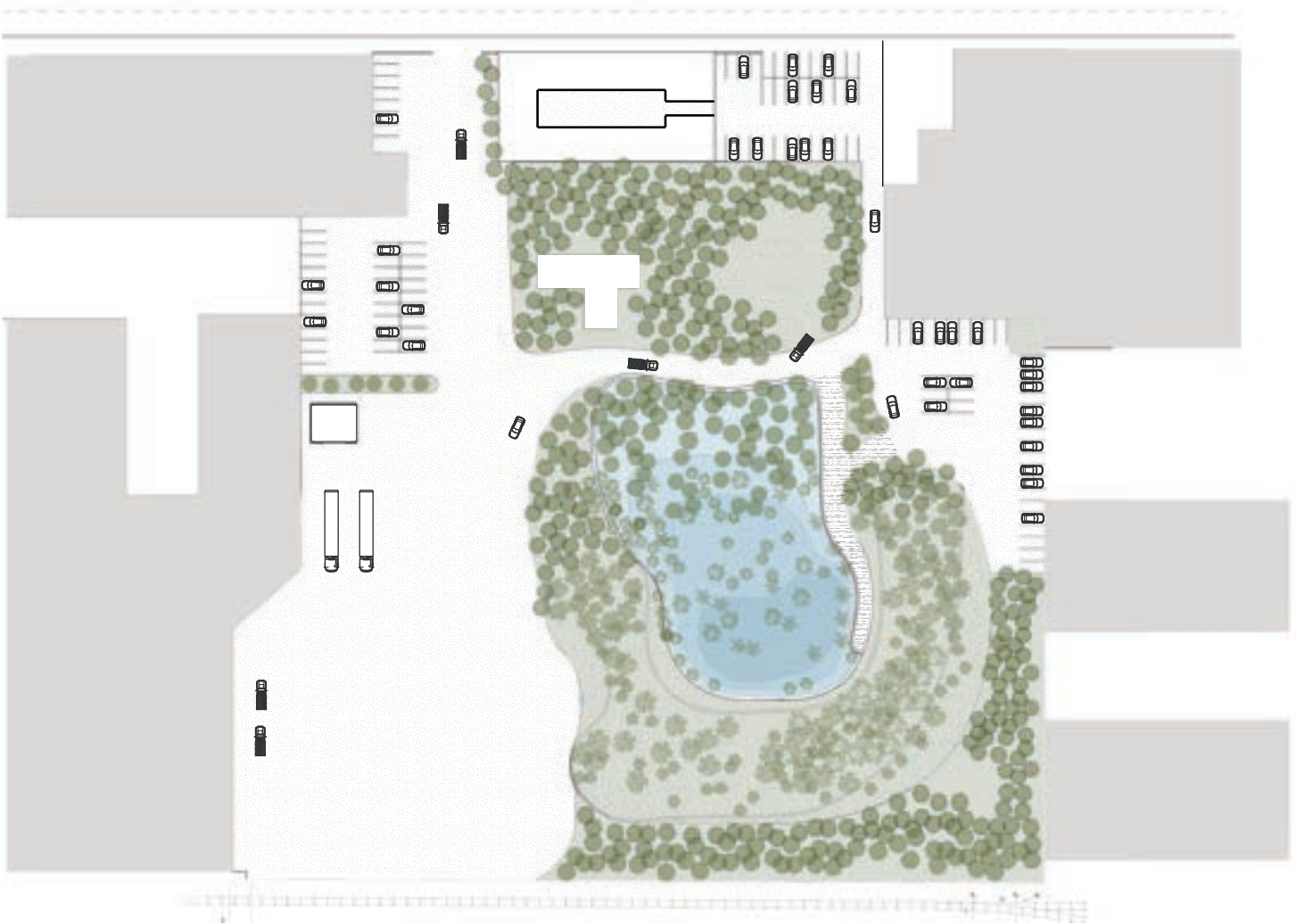
FRONT ELEVATION



SIDE ELEVATION



SECTION



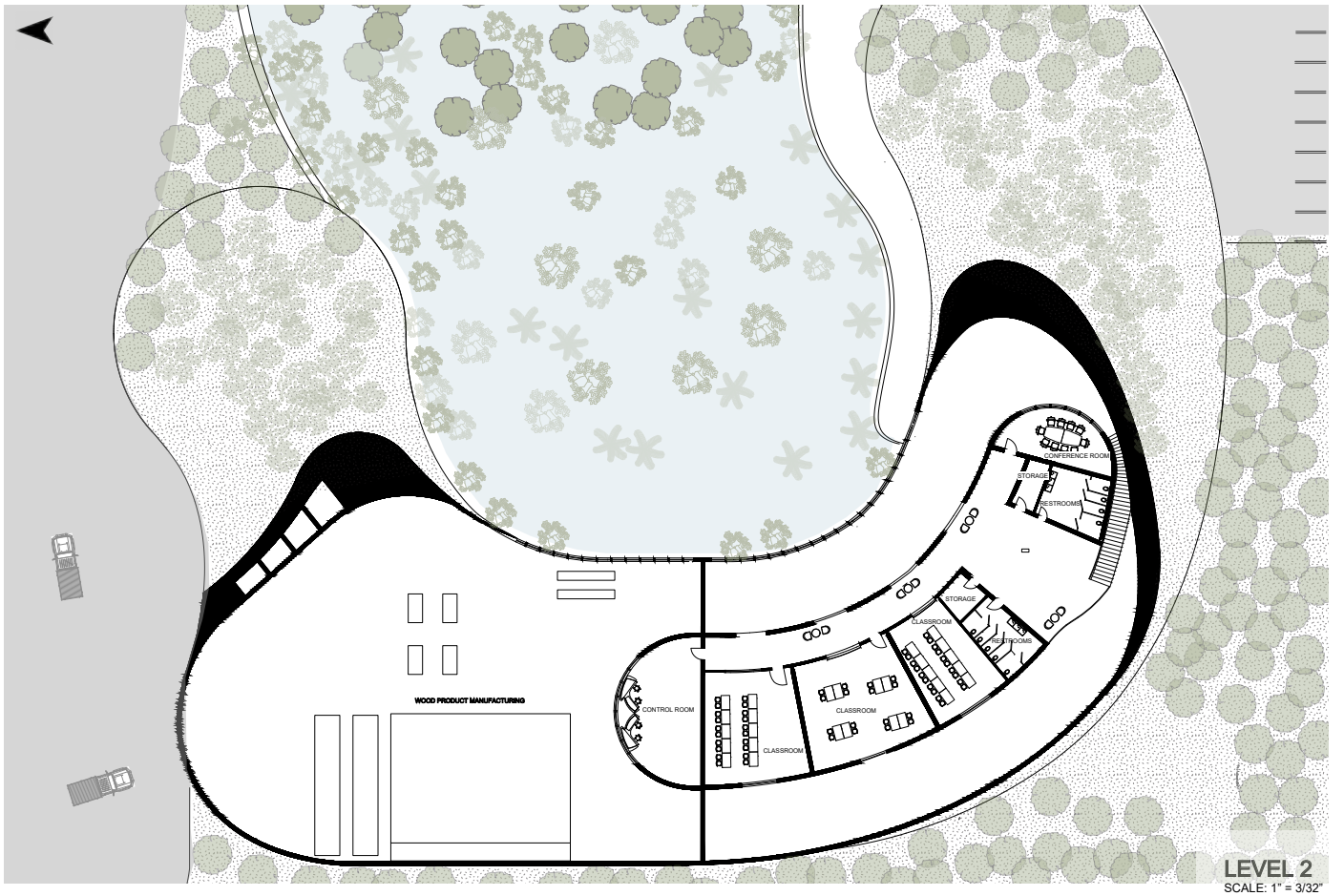
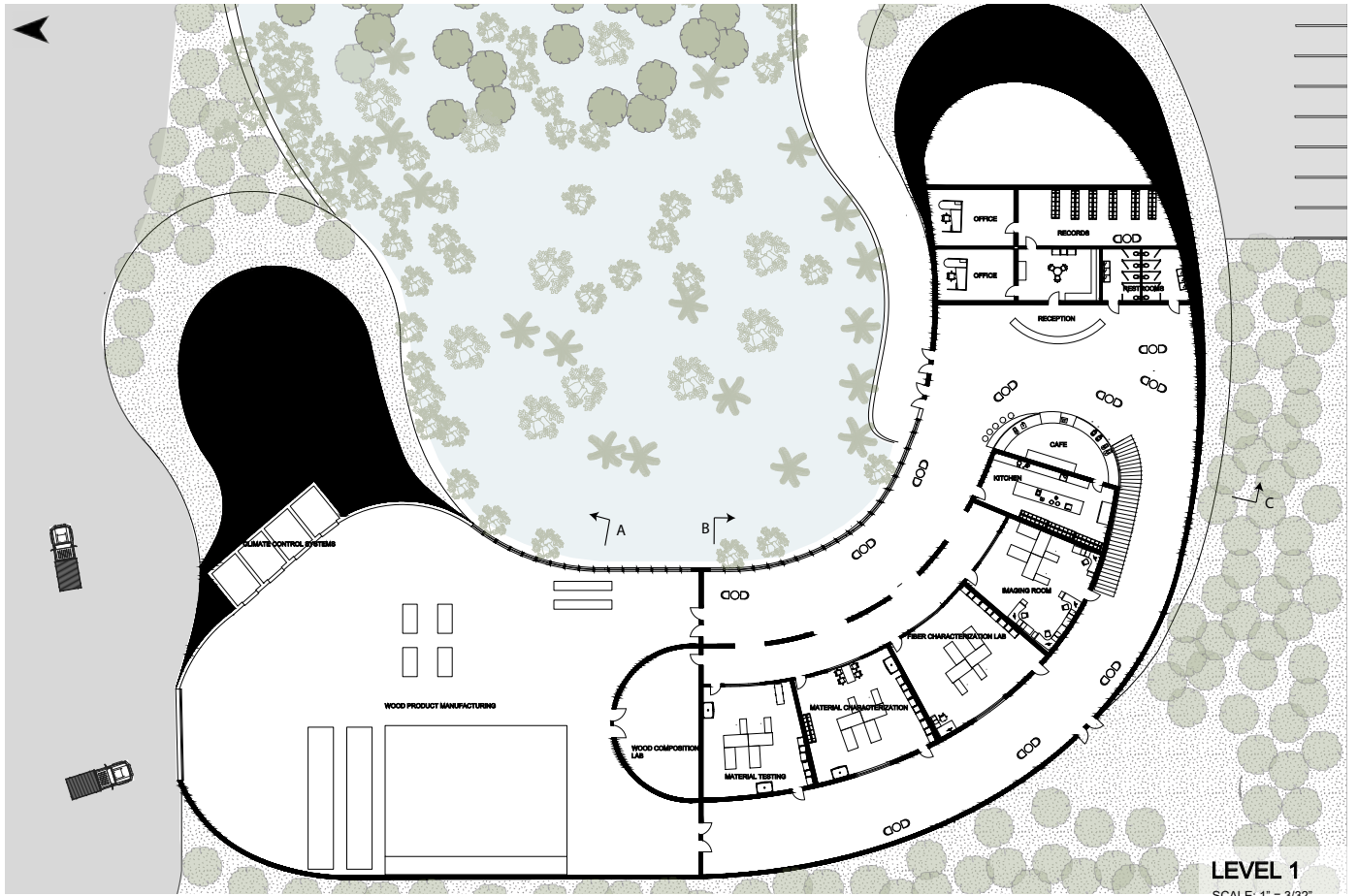
## MIAMI MASS TIMBER TESTING CENTER

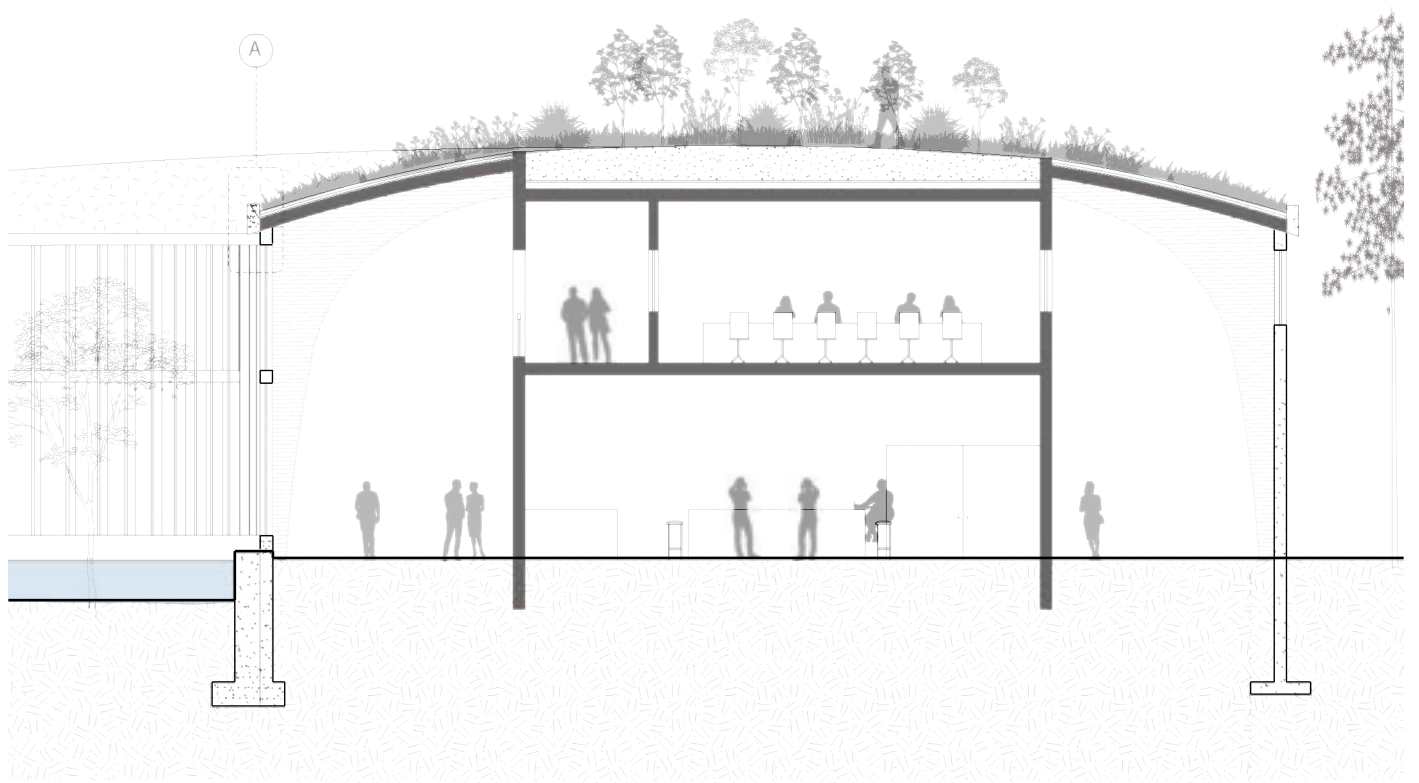
*4th year*

The Miami mass timber testing center is a wood treatment, testing, and educational center located in Hialeah, FL. The purpose of this site is to promote a future of using mass timber as an exterior building material in South Florida, a climate in which mass timber is not yet engineered to endure. There are threats such as insect infestation, moisture damage, and fungal infections, and with a mass timber testing center located in South Florida, solutions such as building larger pressure treatment chambers, pressing individually treated dimensional lumber into panels, and observing how mass timber glue behaves when combined with wood preservatives could all be tested in this facility. It consists of a wood manufacturing warehouse, testing labs, and classrooms. Large portions of the exterior are glass showcasing the mass timber interior of the building. The standing water in the middle of the site is a result of a slight indent in depth in order to control rain runoff and provide a wet area for certain native tree species to grow. Incorporating a green roof on top of the building ensures that our classwide mission of having a 30% tree coverage on the site is fulfilled.



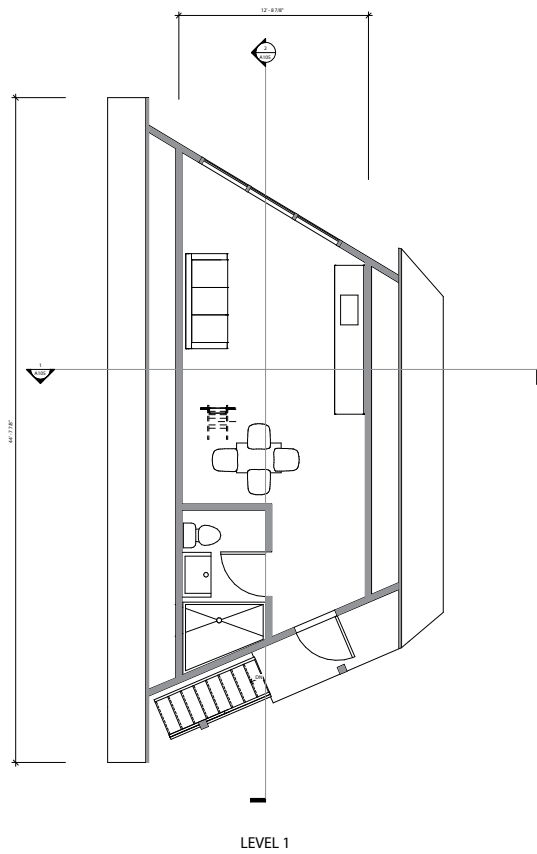




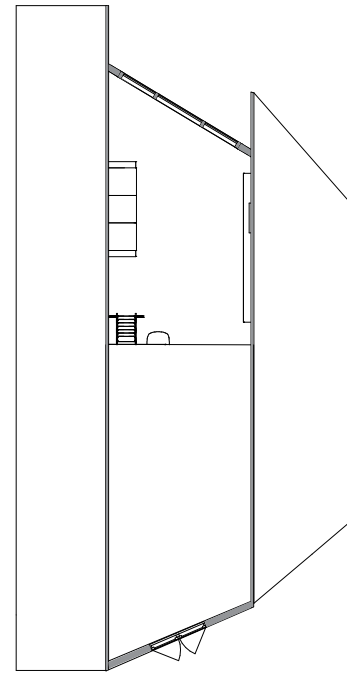


SECTION



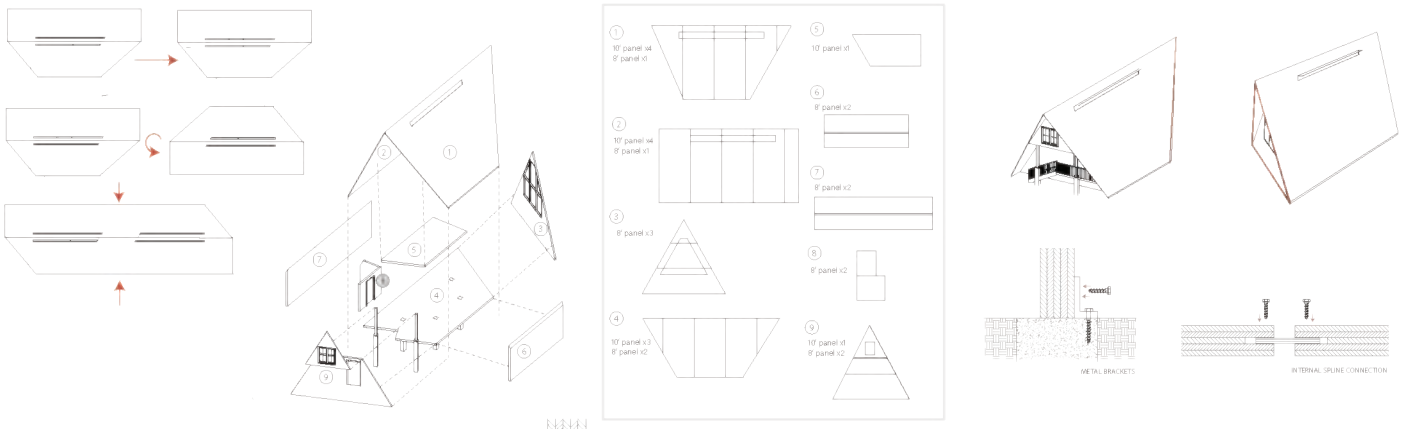


LEVEL 1



LEVEL 2

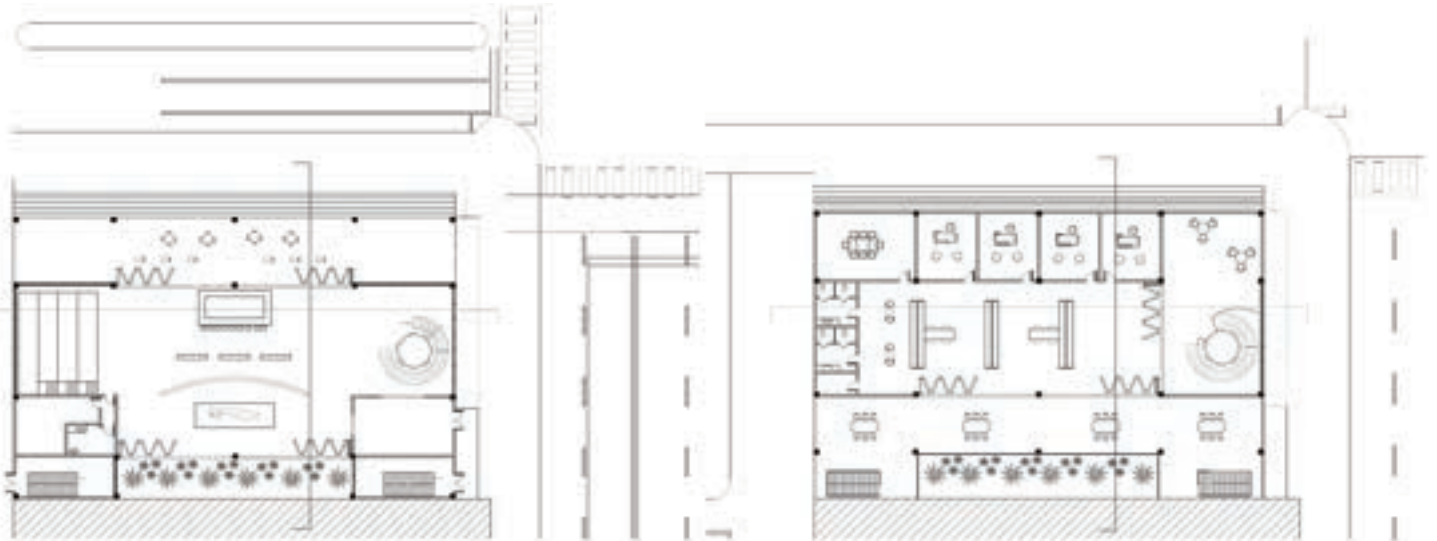
1/4" = 1'-0"



## ADAPTABLE A-FRAME

### 4th year

The Adaptable A-Frame is a ready to build climate refuge located in downtown Savannah, GA. In the heart of the historic district, the A-frame structure introduces a new approach to sustainability in the event of heavy rain, wind, sea level rise, and hot temperatures. It can be quickly assembled from 28 CLT panels shipped from Dothan, AL within one day, providing shelter for a single family in the event of an emergency. The first floor consists of the main living amenities such as a bathroom and kitchen, while the loft provides a more private bedroom area. All windows can be opened and provide cross ventilation throughout the structure.



LEVEL 1

LEVEL 2

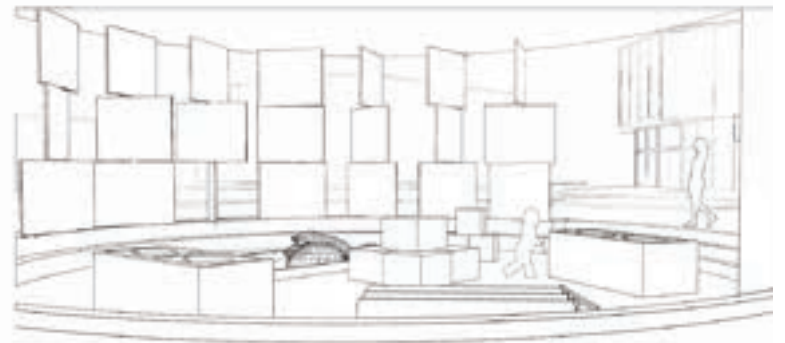
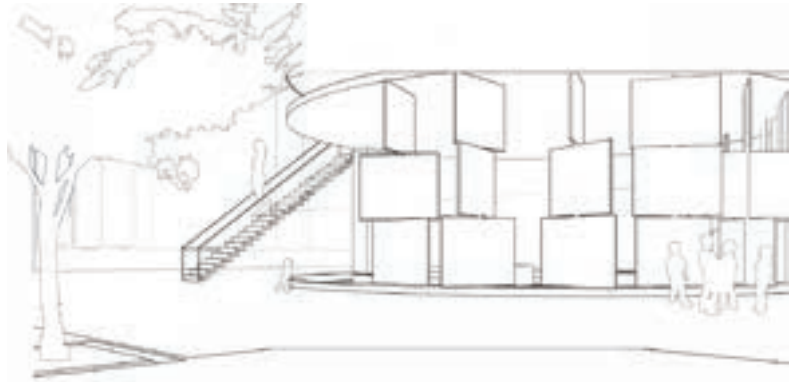
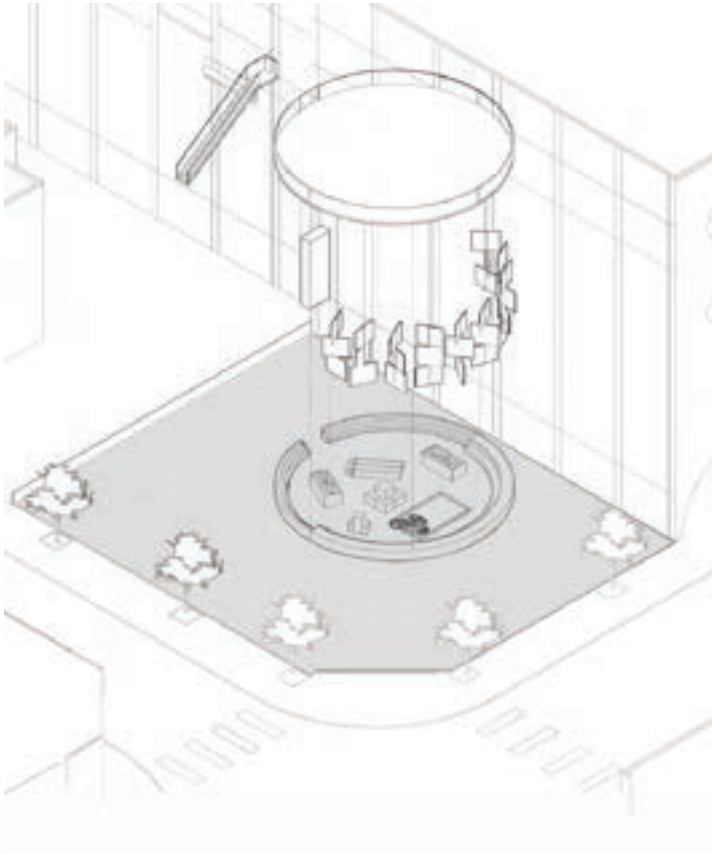
## MIAMI BEACH ARCHITECTURE CENTER

*3rd year*

In collaboration with Andrey Nash, our goal is to provide an attraction for the community and tourists to enjoy, creating an interactive and entertaining environment. The ground floor is inviting and open to the public with its glass accordion door facade. This allows visitors to look inside while passing by, or to enjoy cross ventilation breezes from the indoors. The public is welcome to enjoy the cafe, auditorium, reception hall, and exhibition space, whereas the second floor becomes more private. It is dedicated to research and administration facilities, offices, and a library. The back light well offers natural light and vegetation for viewers. The overall plans are open and separate by as few walls as possible, while still providing a clear separation of programs. It is intended to be a light structure, using mainly steel beams and concrete. Our use of thicker horizontal beams allows for less columns interrupting the floor plan.



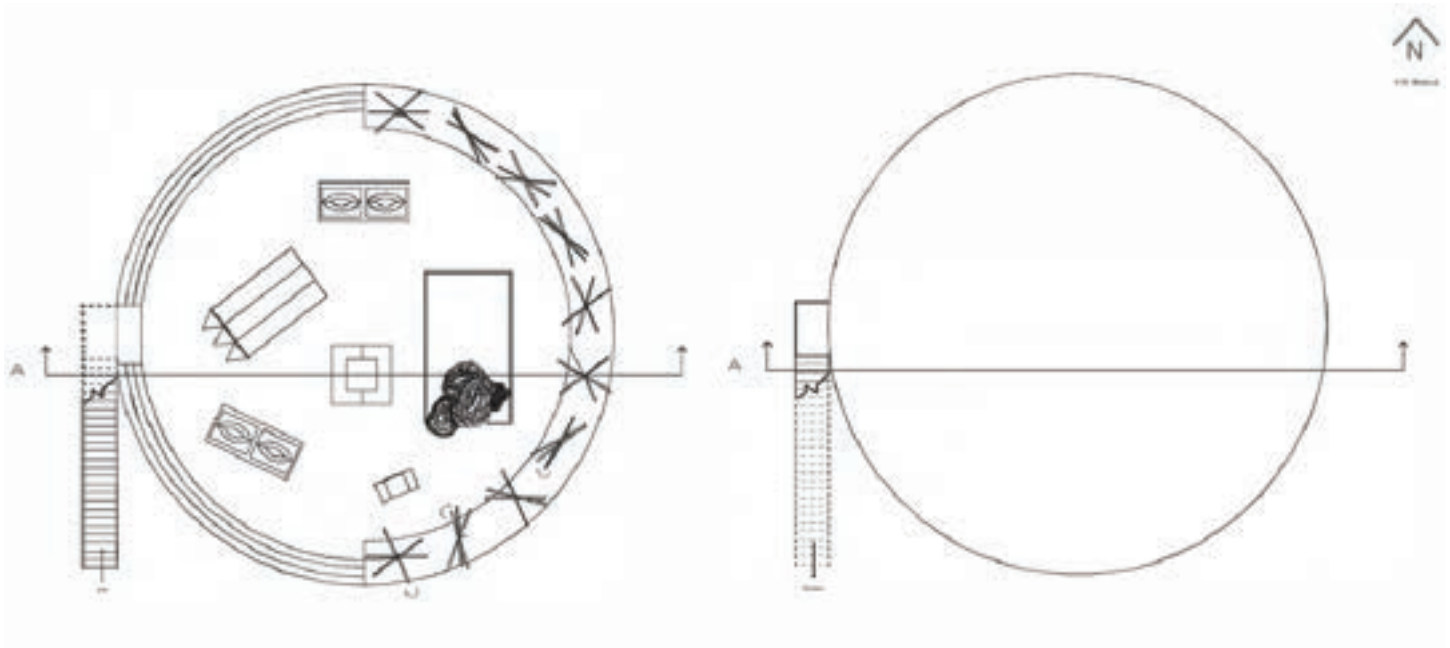


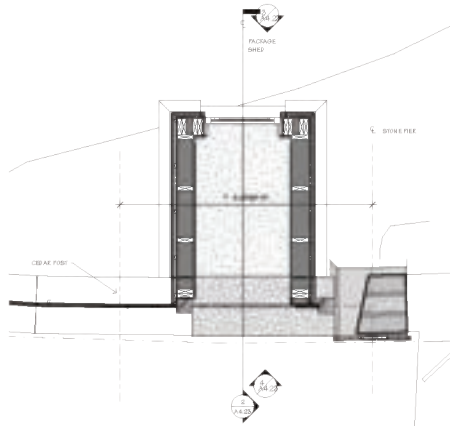


## PUBLIC SPACE INTERVENTION

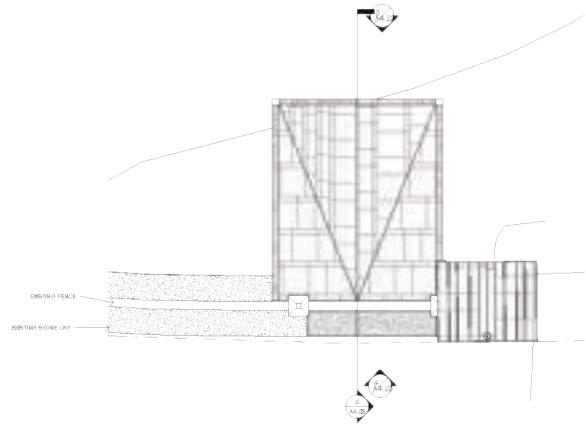
### *1st year*

After visiting the Miami Design District, the site that I chose to work with was a bare concrete lot in an urban setting used for temporary installations. Our task was to design a structure that draws an unusual crowd into the Design District. I noticed that there were not many children walking around with their parents, so the program that I designed was a childrens drawing pavillion and play area. The front consists of large canvas panels that can be rotated around to face the public and show off the childrens work. The whole structure is open-air to provide cross ventillation for the hot site. The ground floor is lowered to provide a barrier that prevents children from straying away.

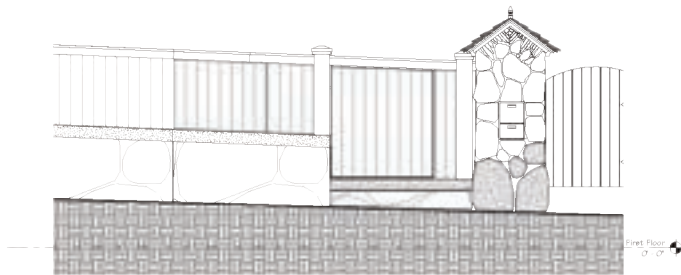




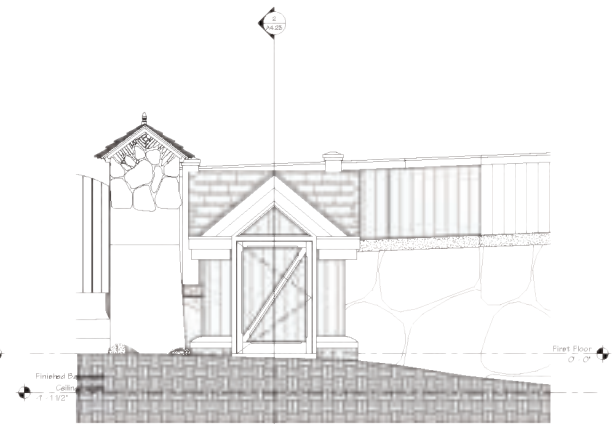
① Enlarged Plan of Mailbox  
1/8" = 1'-0"



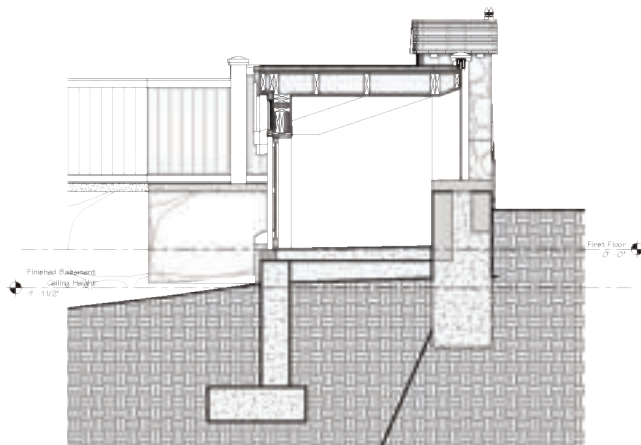
① Enlarged Roof Plan of Mailbox  
1/8" = 1'-0"



④ Enlarged Elevation of Mailbox Back  
1/8" = 1'-0"



③ Enlarged Elevation of Mailbox Front  
1/8" = 1'-0"



② Entry Gate Mailbox  
1/8" = 1'-0"

## PACKAGE SHED

*Professional, Summer 2022*

At Meyer & Meyer Architects, I designed a package shed resembling a mini house, based off of clients desires. The project involved basic wall and roof assemblies and foundation components, as well as adjusting the overall mass proportions based off of the height of the fence and package dimensions.



## FARNESE PALACE ELEVATION

*5th year*

Drafted on AutoCAD and filled in with pencil, this facade elevation highlights Michelangelo's contributions to Sangallo's previous design of the Farnese Palace in Rome, adding texture, depth, and unity.





The Cruz Building, Coconut Grove, FL



ARCHITECTURAL PHOTOGRAPHY





ARCHITECTURAL PHOTOGRAPHY



Streetscape



Detail

## ARCHITECTURAL PHOTOGRAPHY





Architecture in Nature



Detail



Vignette

## ARCHITECTURAL PHOTOGRAPHY