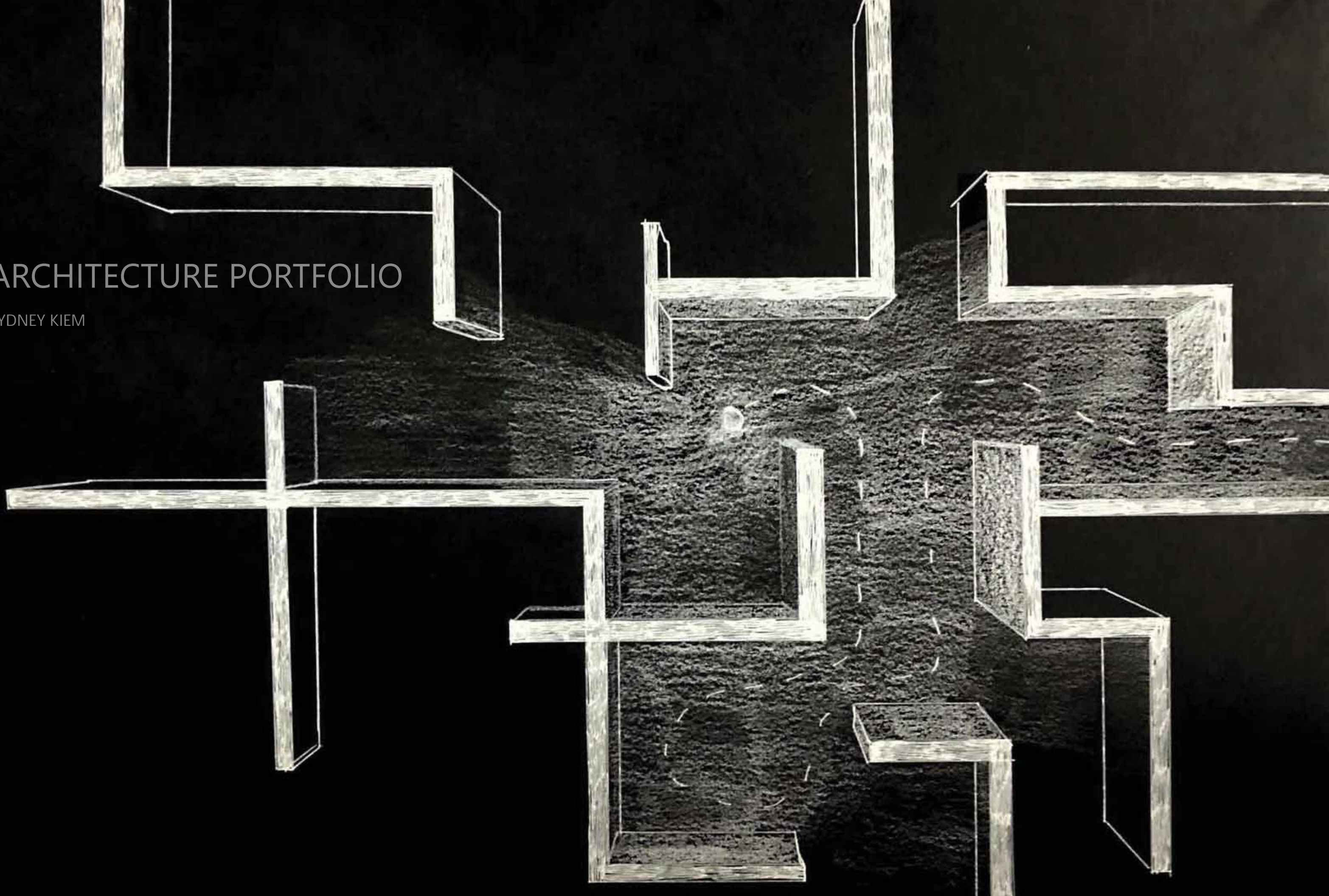


ARCHITECTURE PORTFOLIO

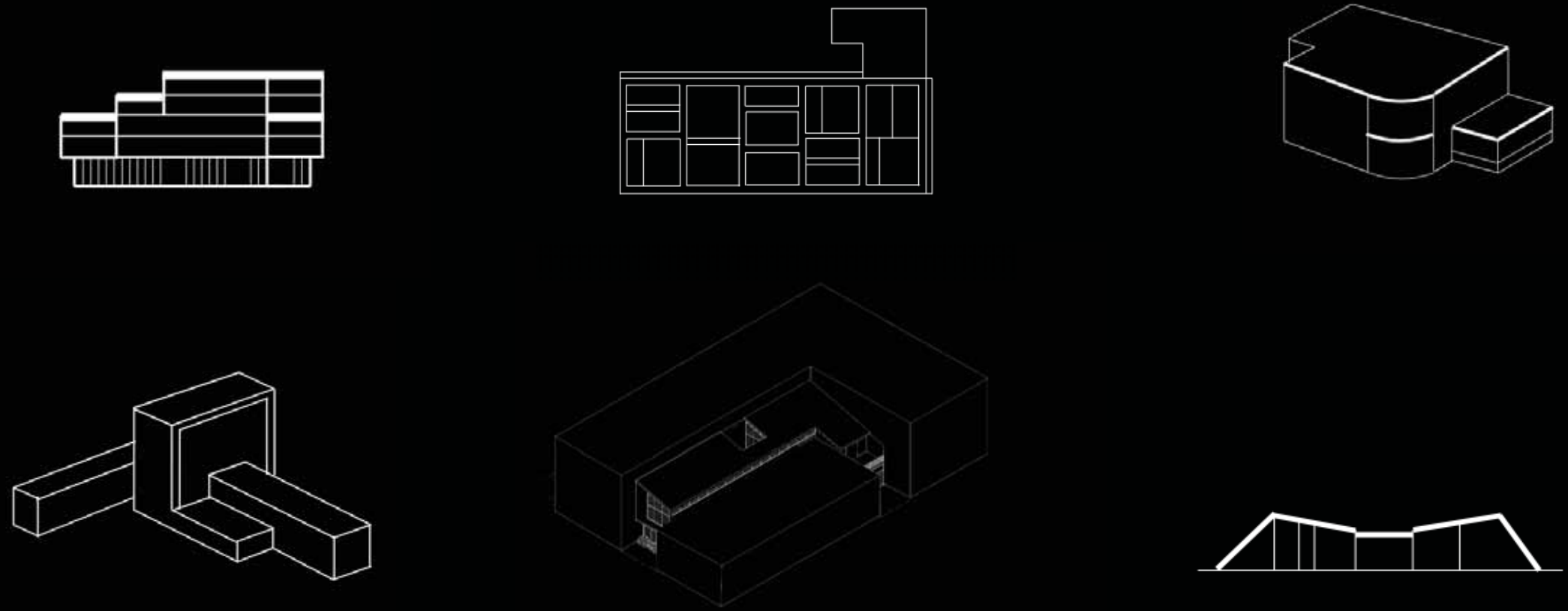
SYDNEY KIEM



PORTFOLIO CONTENTS

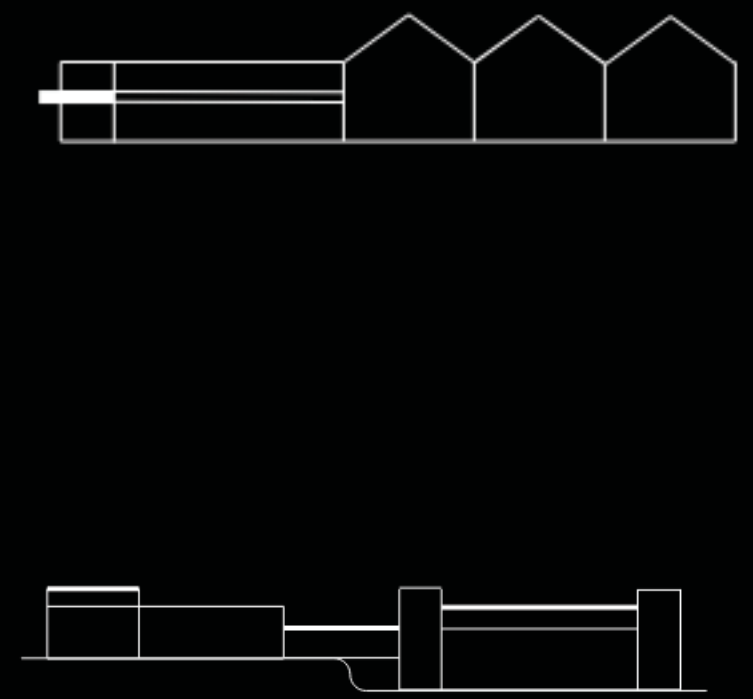
ACADEMIC

ADAPTIVE REUSE: LYNCHBURG DOWNTOWN AND
COMMUNITY HUB
THESIS: MUSEUM OF PLAY
MIXED USE: KING STREET MIXED USED THEATER
AIA VIRGINIA 2023 MIXED USE COMPETITION
HOSPITALITY: DOWNTOWN BLACKSBURG HOTEL
RESIDENTIAL: BLACKSBURG APARTMENT
HOSPITALITY: FINE DINING RESTAURANT



PROFESSIONAL

SCHOOL PROGRAM: PHILLIPS PROGRAM
ANNANDALE KITCHEN AND GREENHOUSE ADDITION
TRANSPORTATION: GREENVILLE TRANSPORTATION
AND ADMIN CENTER
CHILD DEVELOPMENT CENTER: MARKETING RENDERS





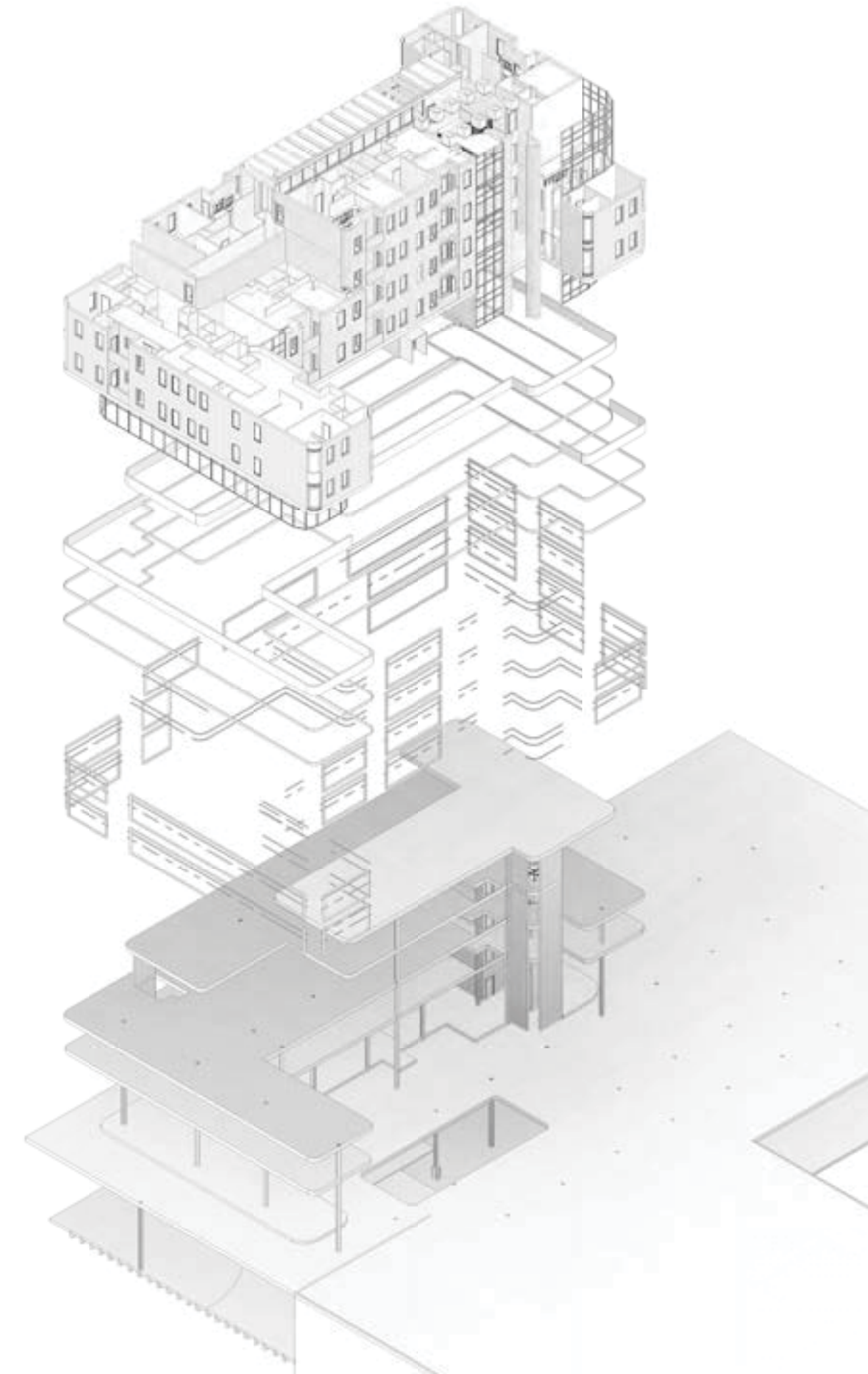
DOWNTOWN LYNCHBURG COMMUNITY AND LIVING HUB

Timeline: 15 weeks

This existing parking garage near Commerce St. and Main St. has been adapted to include 30 apartments on the upper level as well as a community space that takes advantage of the 22' ceilings on the second level. The apartments are perched on a curved glass lobby level to separate the two heavy volumes of apartments and parking garage. The corners curve and are hugged by a continuous fascia that frames each floor.

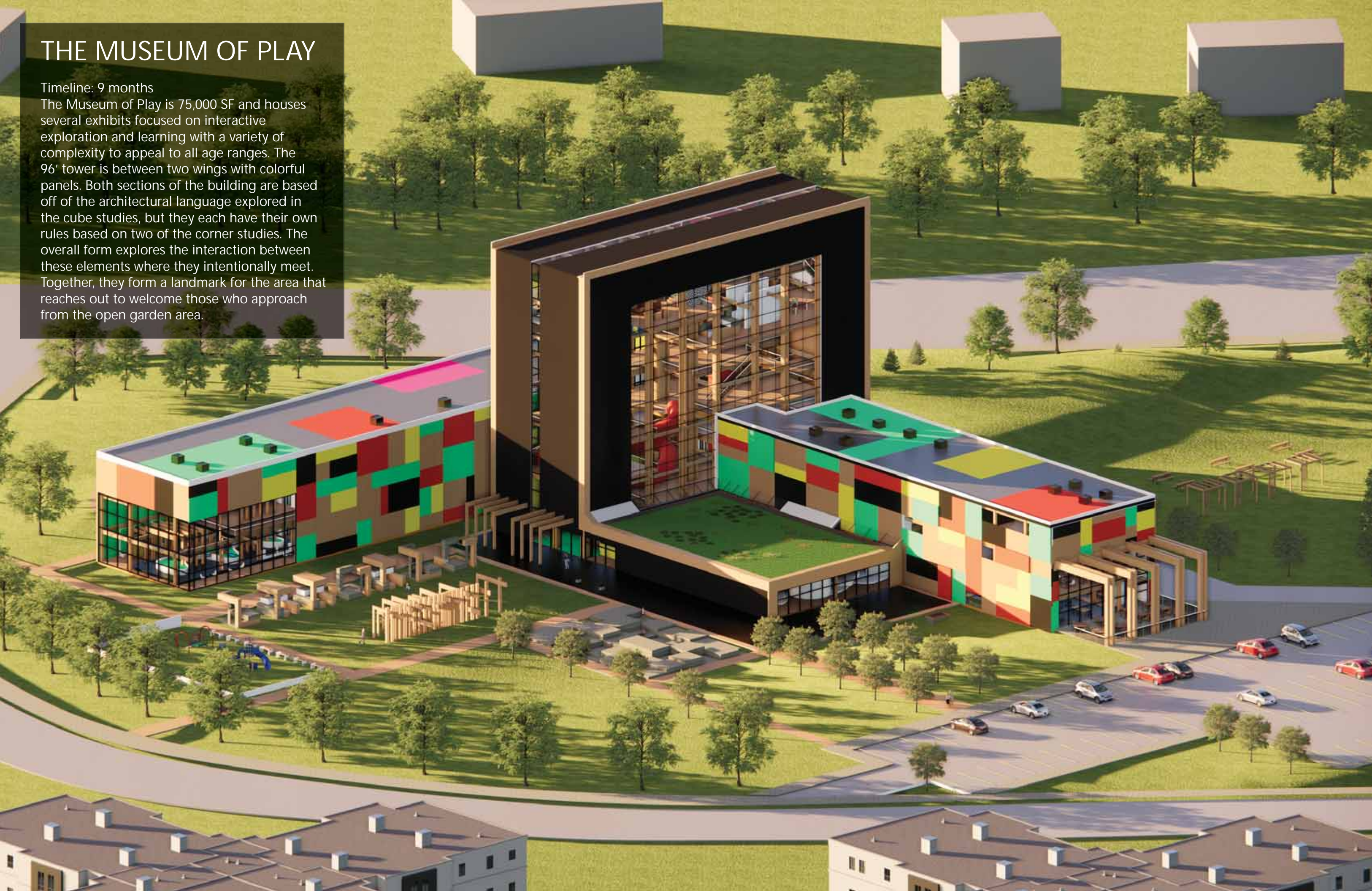
Walking into the apartments, the guests pass the cutout in the ground plane that gives a view to the civic center below, and follows the same curves as the apartment building. Sidewalk paths guide the user into the building, and overhangs provide shade and protection from rain. The lobby greets residents and guests, as well as providing a space to retrieve mail and contact staff about maintenance requests. It also includes an amenity space consisting of a gym and changing room, as well as a smaller reception area for checking in. There are some areas focused on providing community with games like billiards.

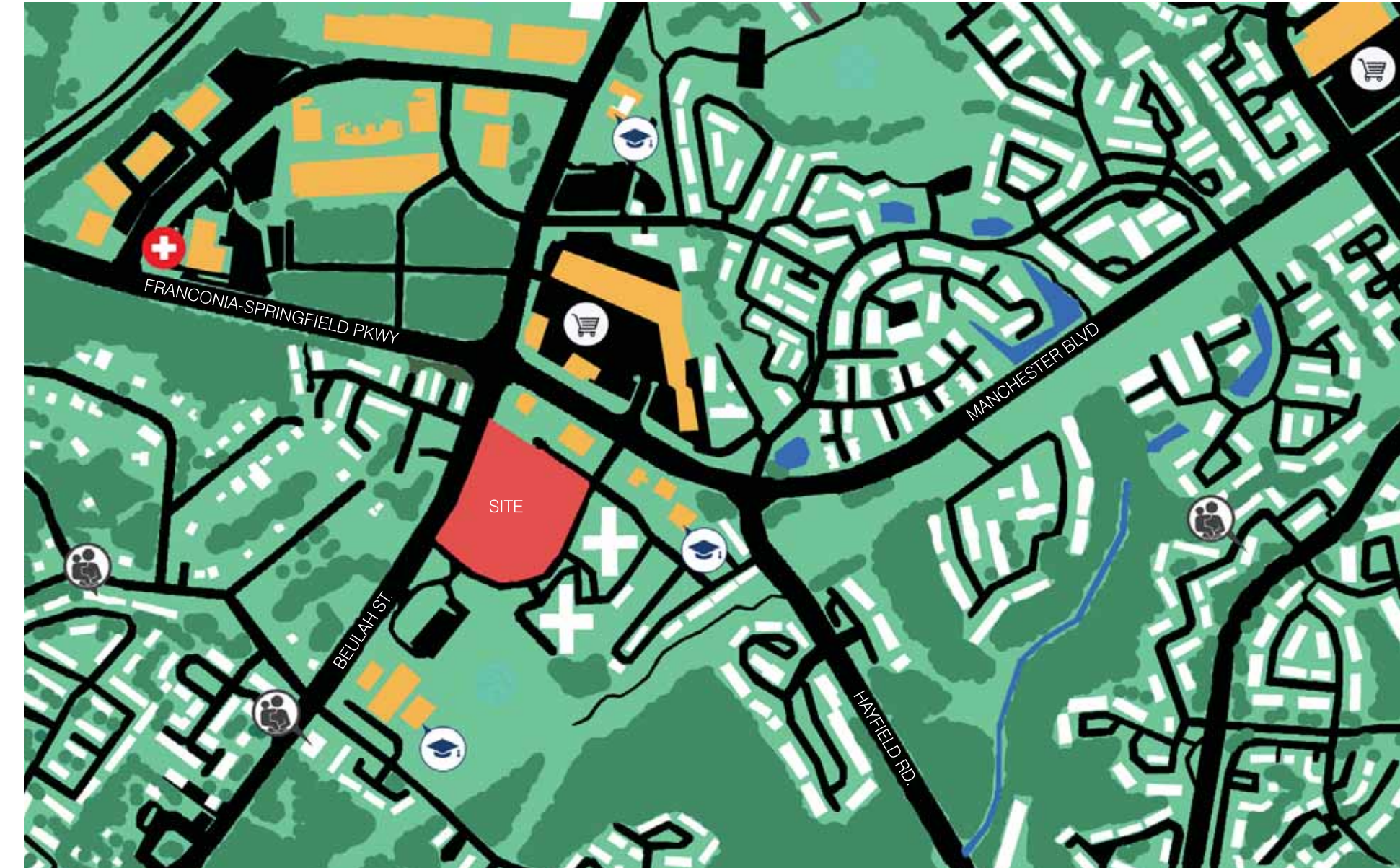




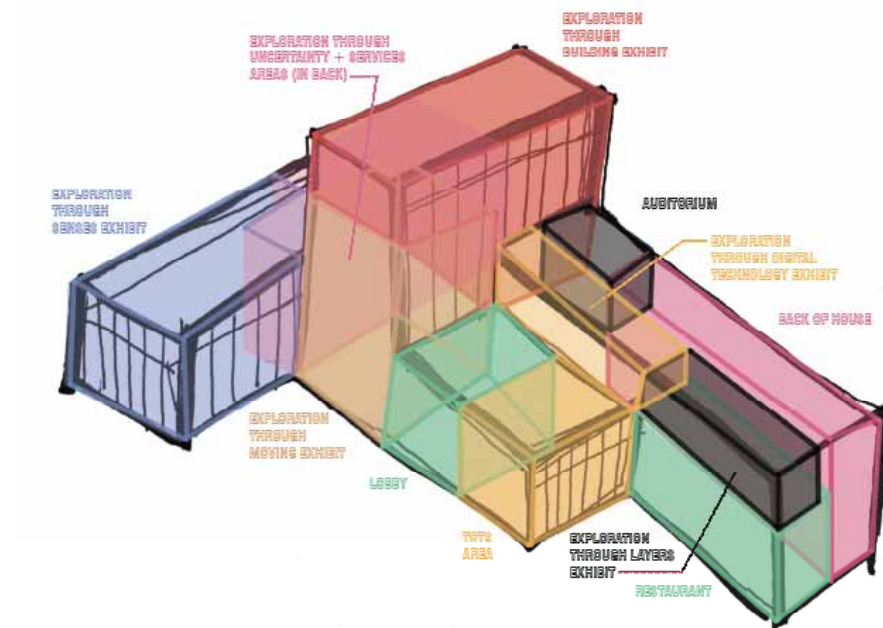
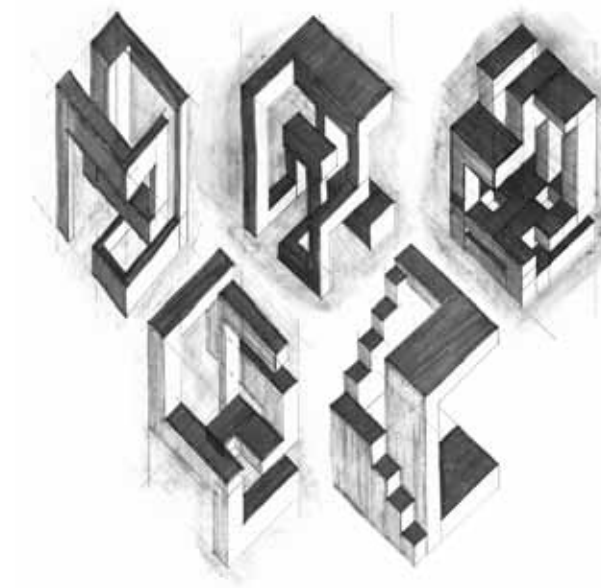
THE MUSEUM OF PLAY

Timeline: 9 months
The Museum of Play is 75,000 SF and houses several exhibits focused on interactive exploration and learning with a variety of complexity to appeal to all age ranges. The 96' tower is between two wings with colorful panels. Both sections of the building are based off of the architectural language explored in the cube studies, but they each have their own rules based on two of the corner studies. The overall form explores the interaction between these elements where they intentionally meet. Together, they form a landmark for the area that reaches out to welcome those who approach from the open garden area.





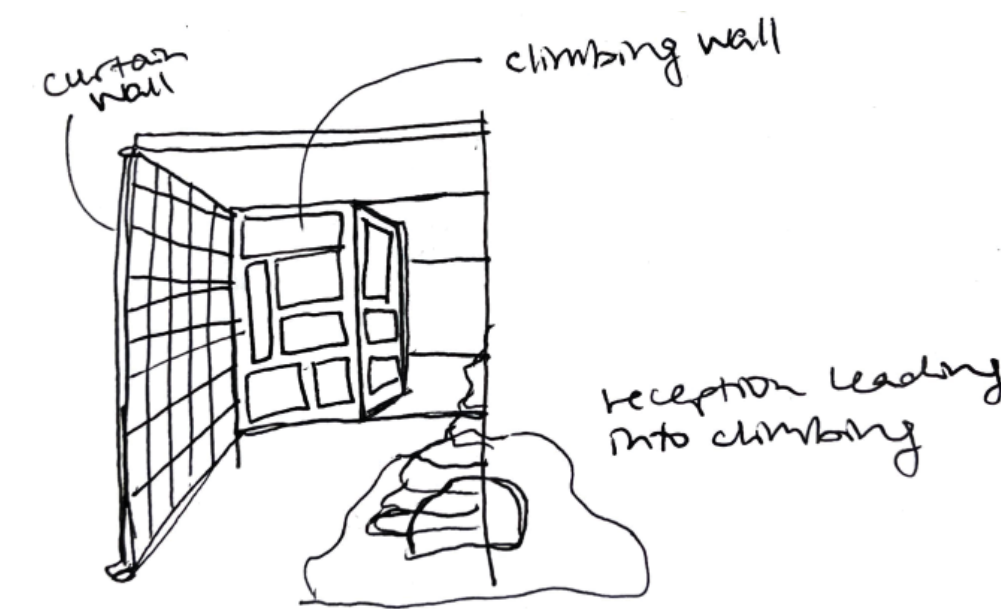
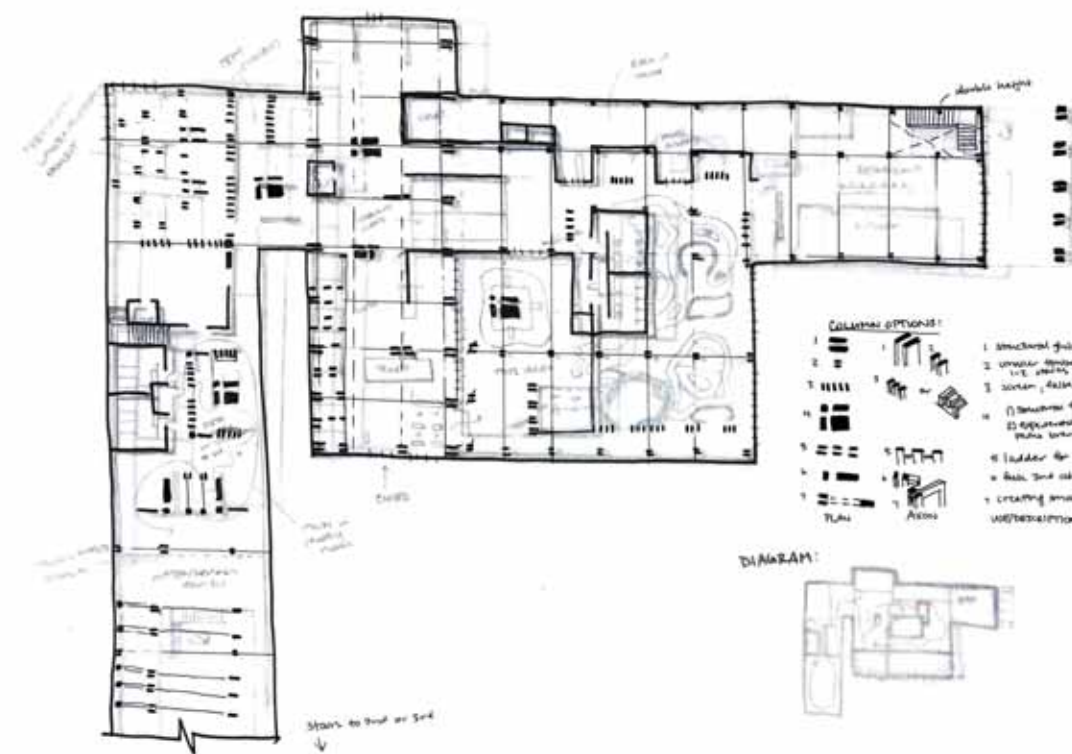
The site is located in Alexandria, Virginia off of Manchester Boulevard and Beulah Street. As of the beginning of my thesis, it was an abandoned field that used to hold two soccer fields, a dirt path, and space for fans. The surrounding area is mixed-use with lots of residential units, strip malls, a health complex, schools and daycare centers, and several restaurants. By placing a museum that's meant to be a fun, interactive place closer to the suburbs, it gives an accessible entertainment option to NOVA residents that resembles the opportunities in Washington D.C.



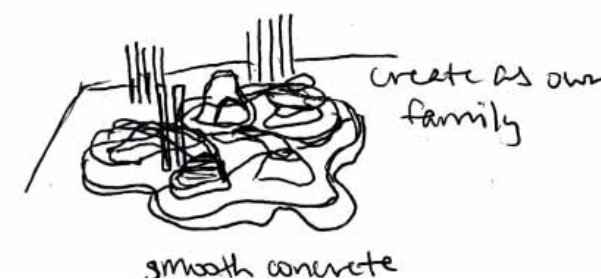
COLUMN OPTIONS:

- | | | |
|---|--|--|
| 1 | | 1 structural column in atrium |
| 2 | | 2 smaller timber structural column, 1-2 stories height span |
| 3 | | 3 screen, false columns, act as wall |
| 4 | | 4 1) structural for large spans
2) experiential, providing axis for paths branching out |
| 5 | | 5 ladder for climbing exhibit |
| 6 | | 6 false 2nd column to inhabit |
| 7 | | 7 creating smaller room |
- PLAN AXON USE/DESCRIPTION

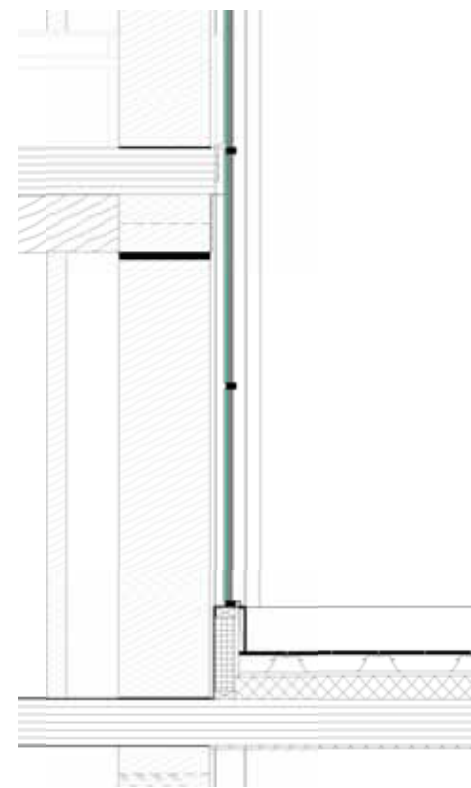
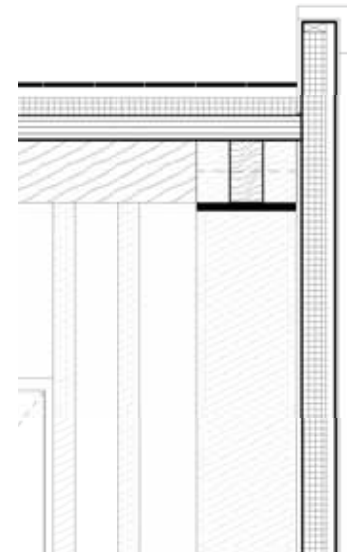
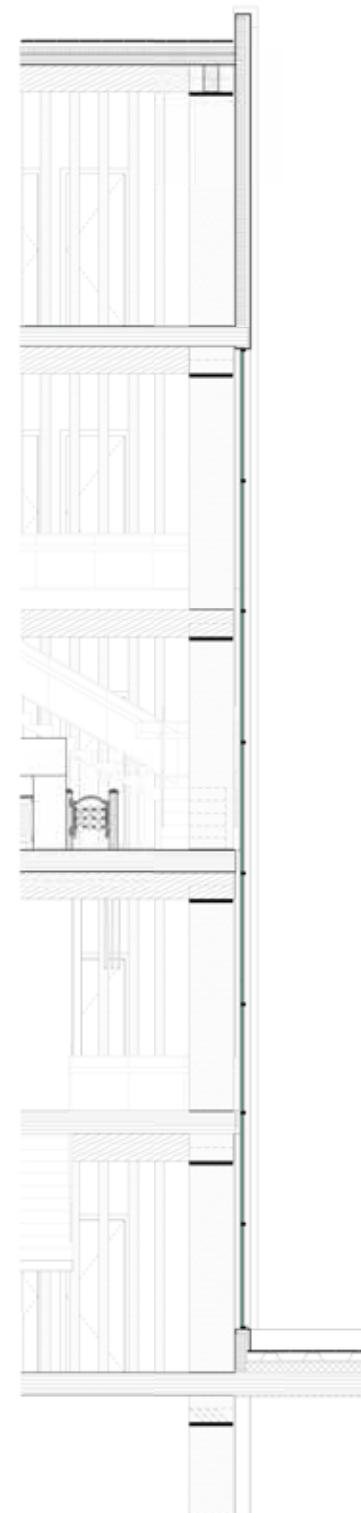
- lightness from gaps in columns without compromise strength



- forest of columns exhibit for layers rather than current collage

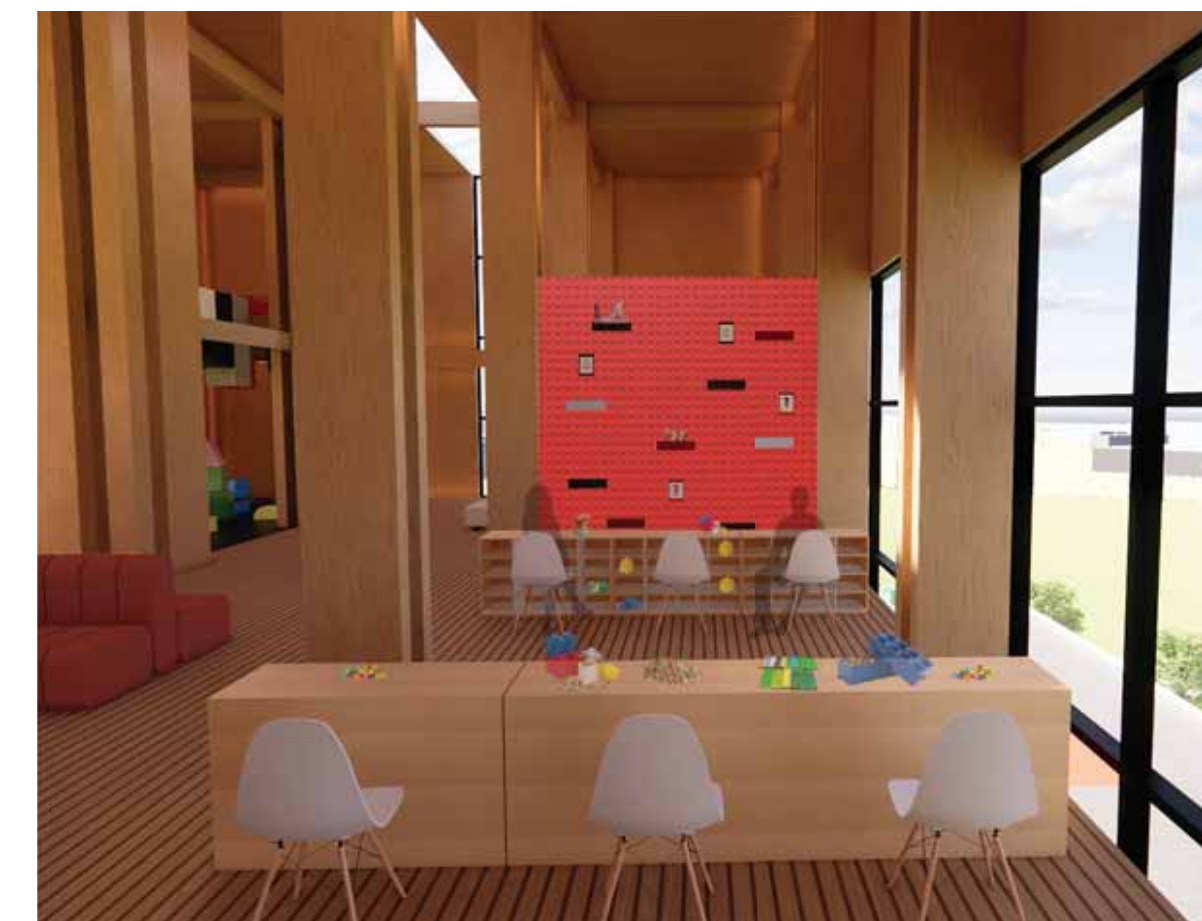


smooth concrete



Details and wall section cutting through main tower and green roof

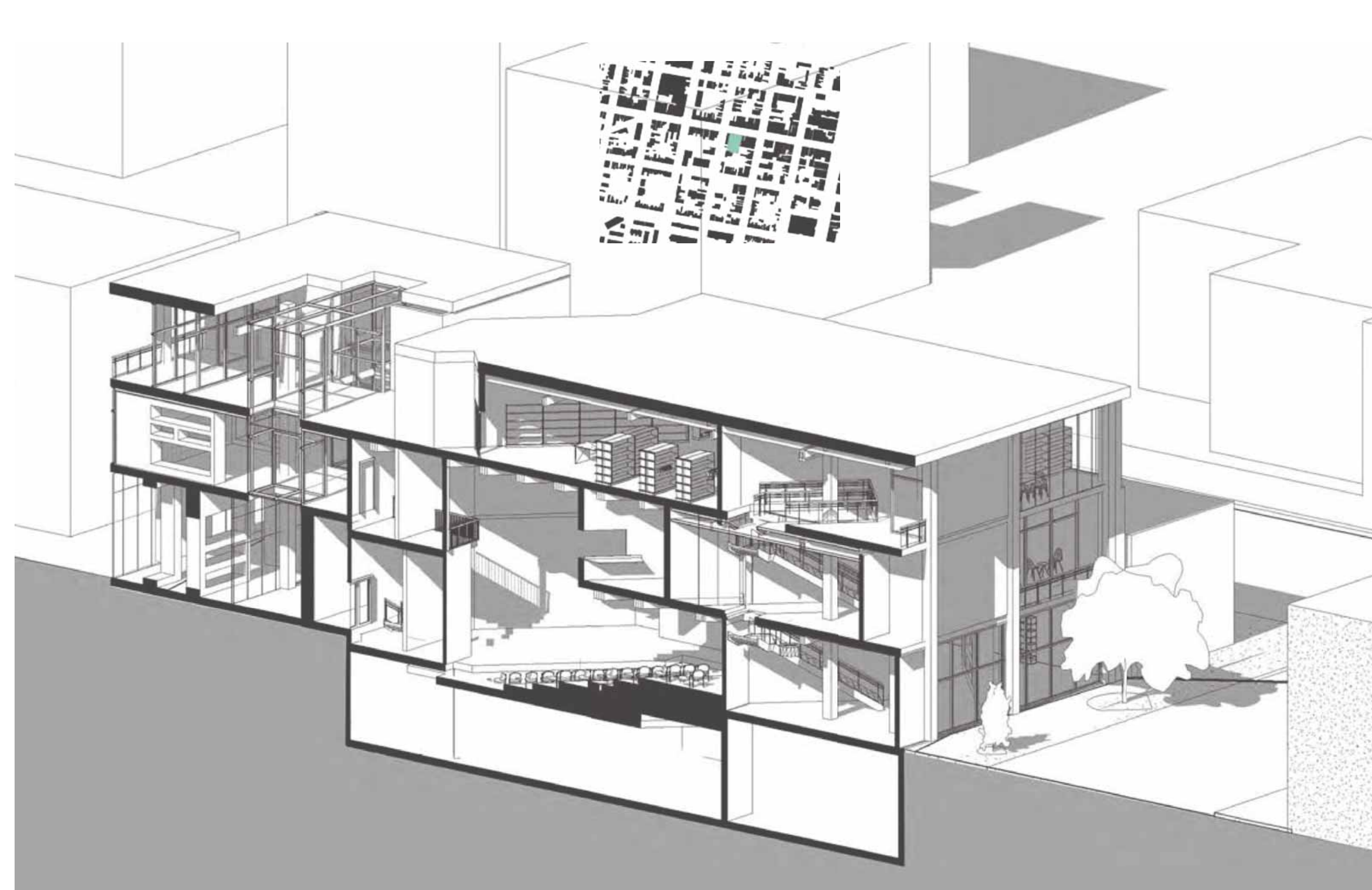
Renderings highlight water play exhibit, movement exhibit, digital technology play exhibit, stair/rest area, gift shop, and building play exhibit

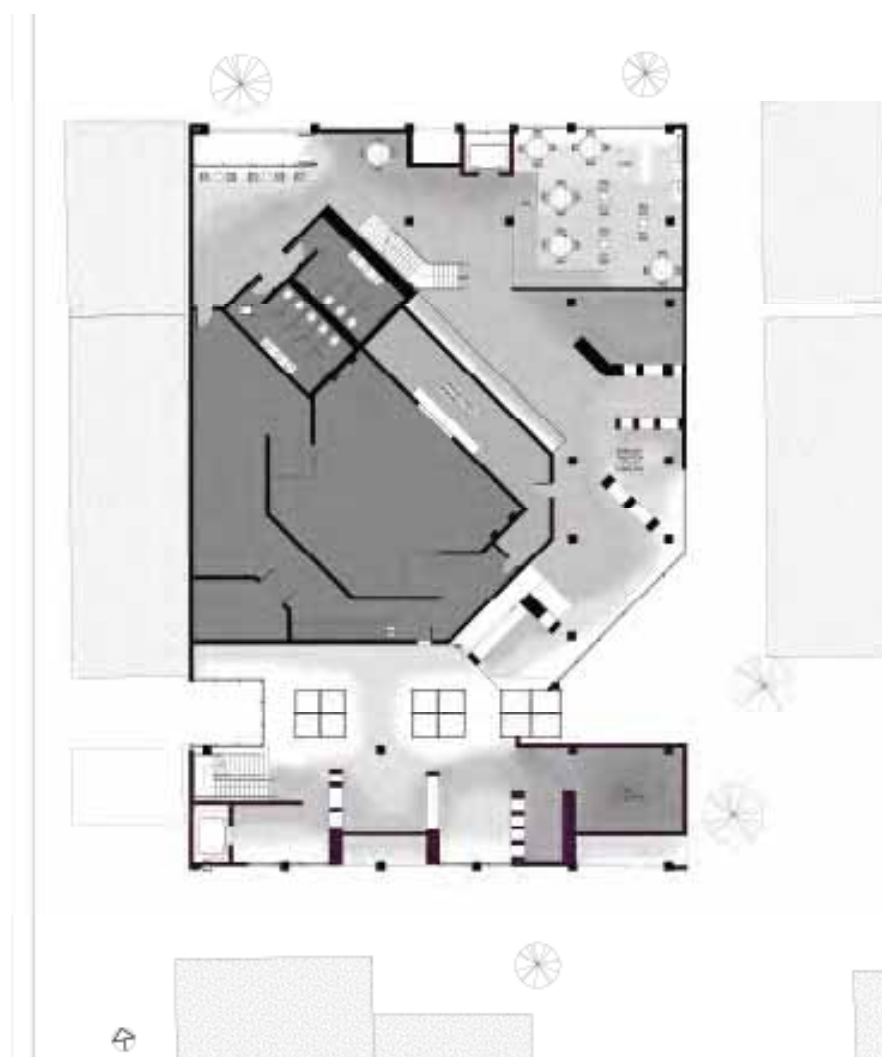
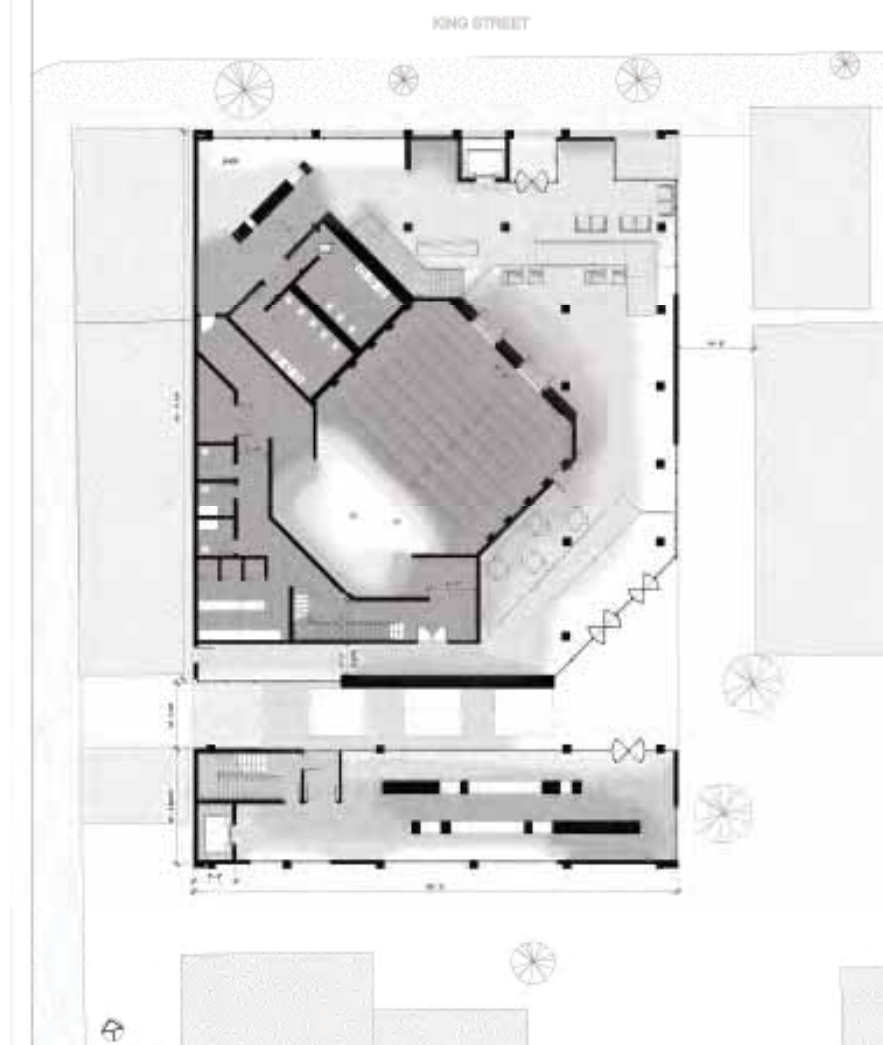


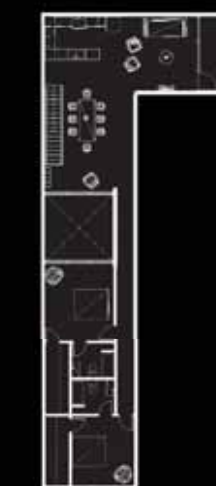
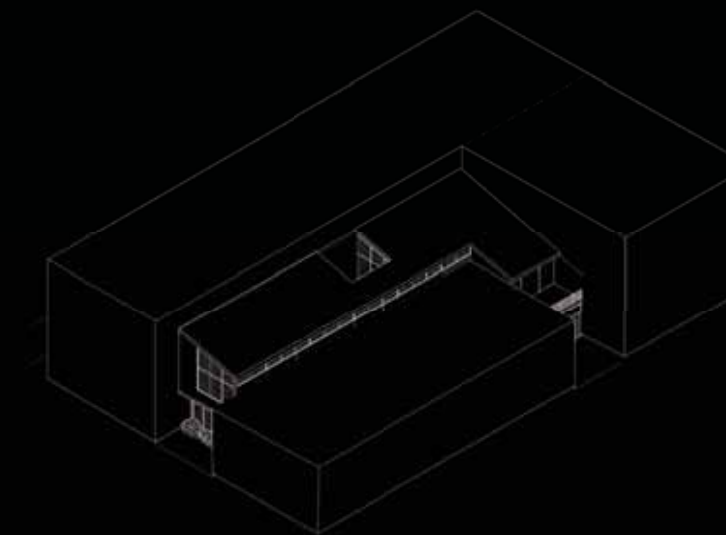
KING STREET SHADOW THEATER

Timeline: 15 weeks

Multi-use infill building housing a theater, archive, museum, and cafe on King Street in Old Town, Alexandria. Light and shadow puppet theater practices. The material palette plays with light and darkness as well as transparency and layering.







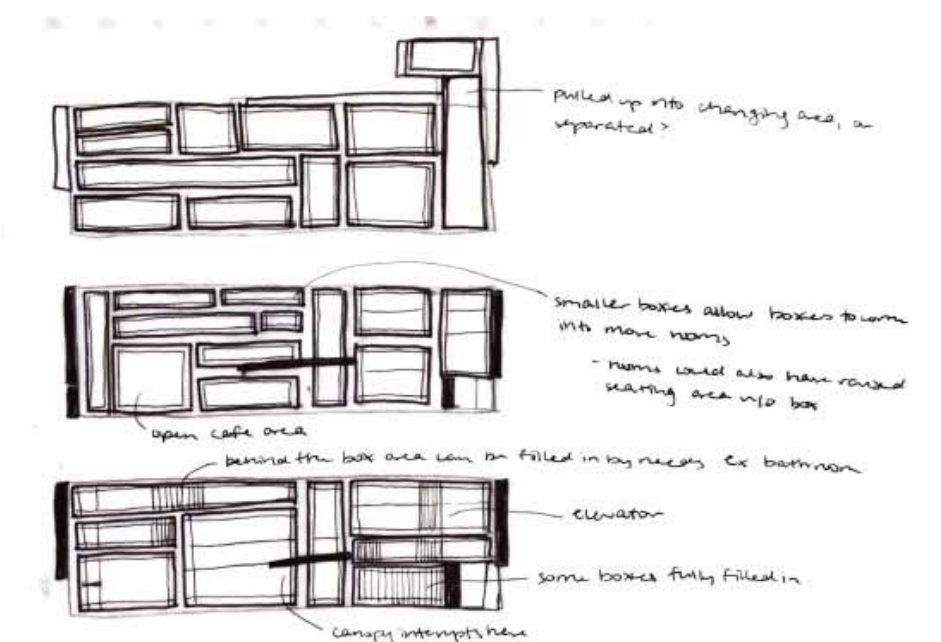
AIA VIRGINIA PRIZE COMPETITION 2023

Timeline: 3 days

Infill site with a mixed use program for two artists to create, live, teach, and display their work through a private residence and lower-level public space.

The intent was to place the workshop space near the street to draw people in to the creative process. A courtyard surrounded by glazing allows extra light entering both levels. It creates two separate spaces on the lower level, and creates a public and private zone connected by a hallway on the upper floor residence. The shed roof provides a transition between the differing heights of the surrounding buildings.



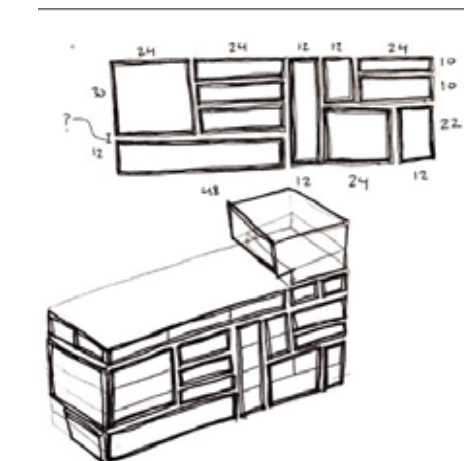
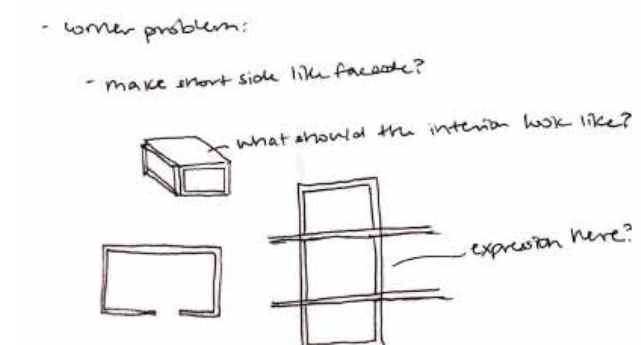


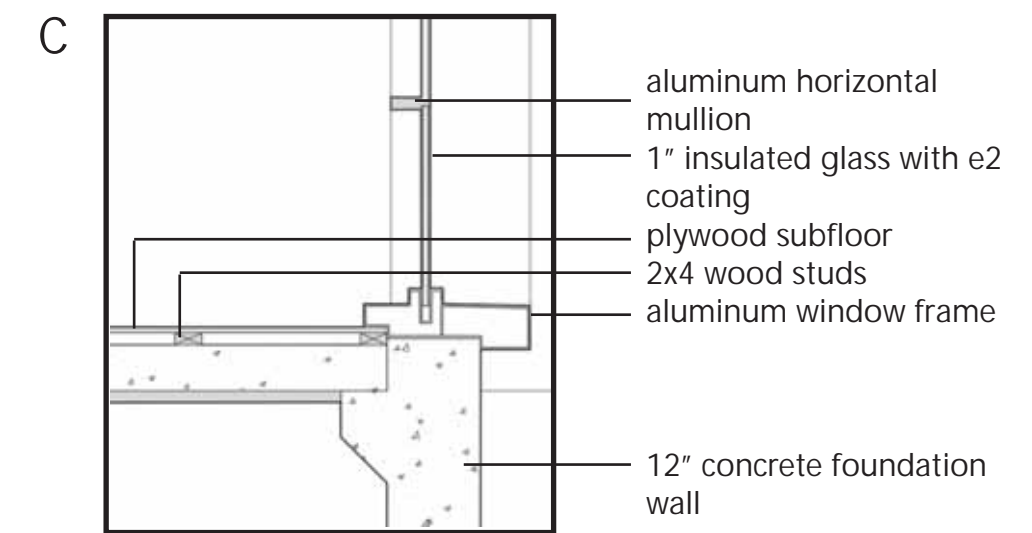
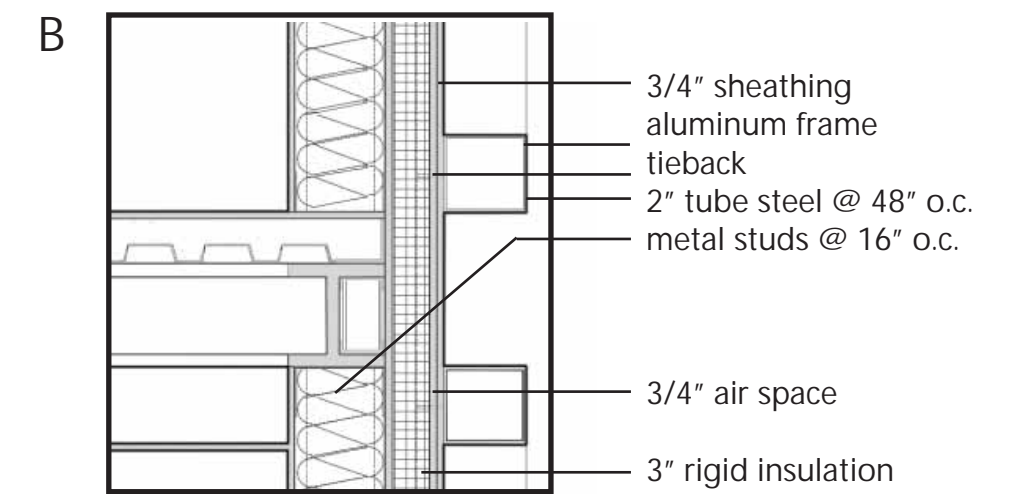
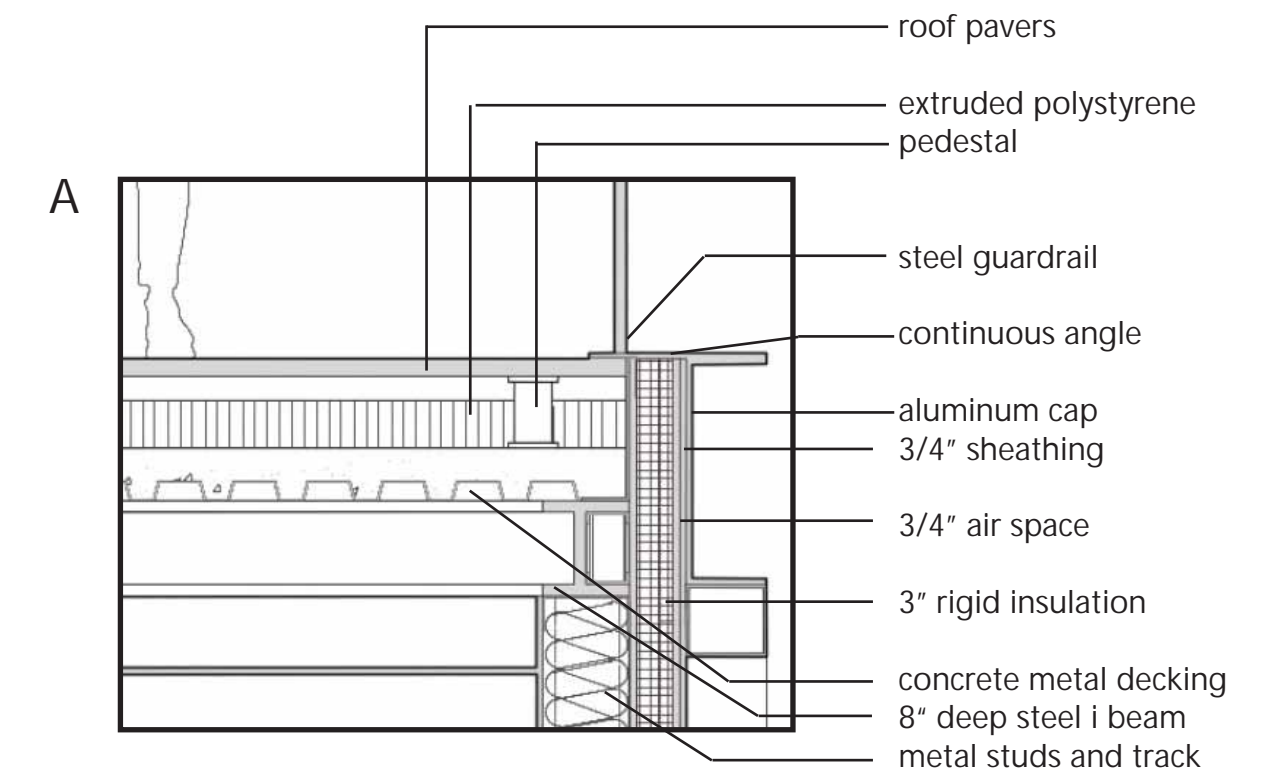
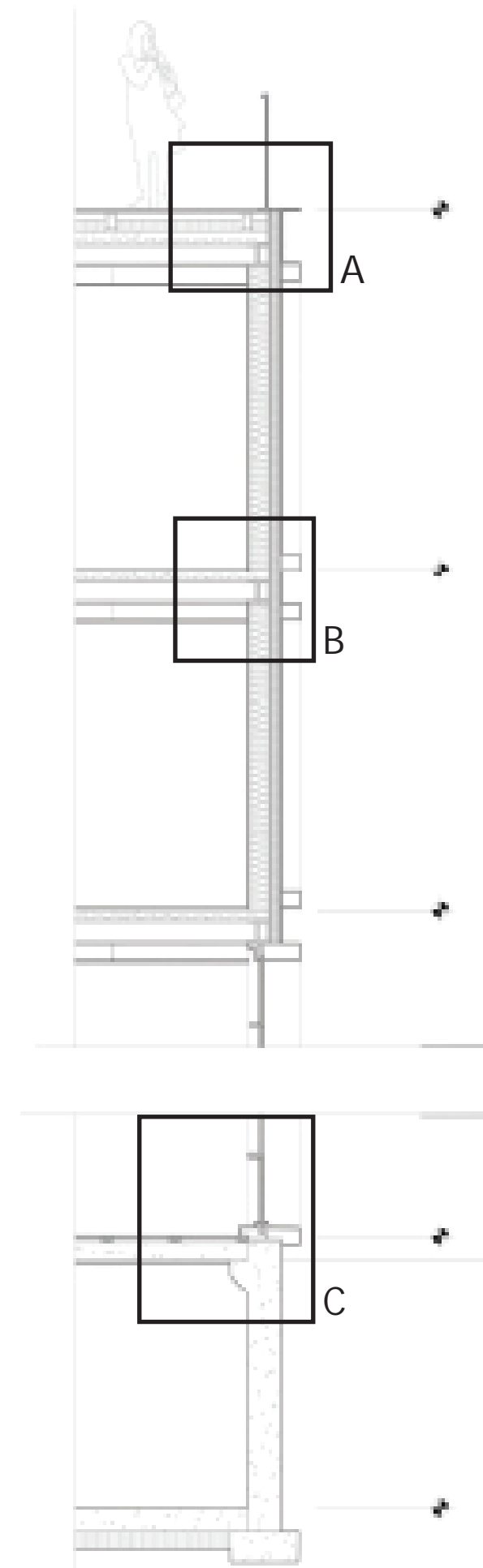
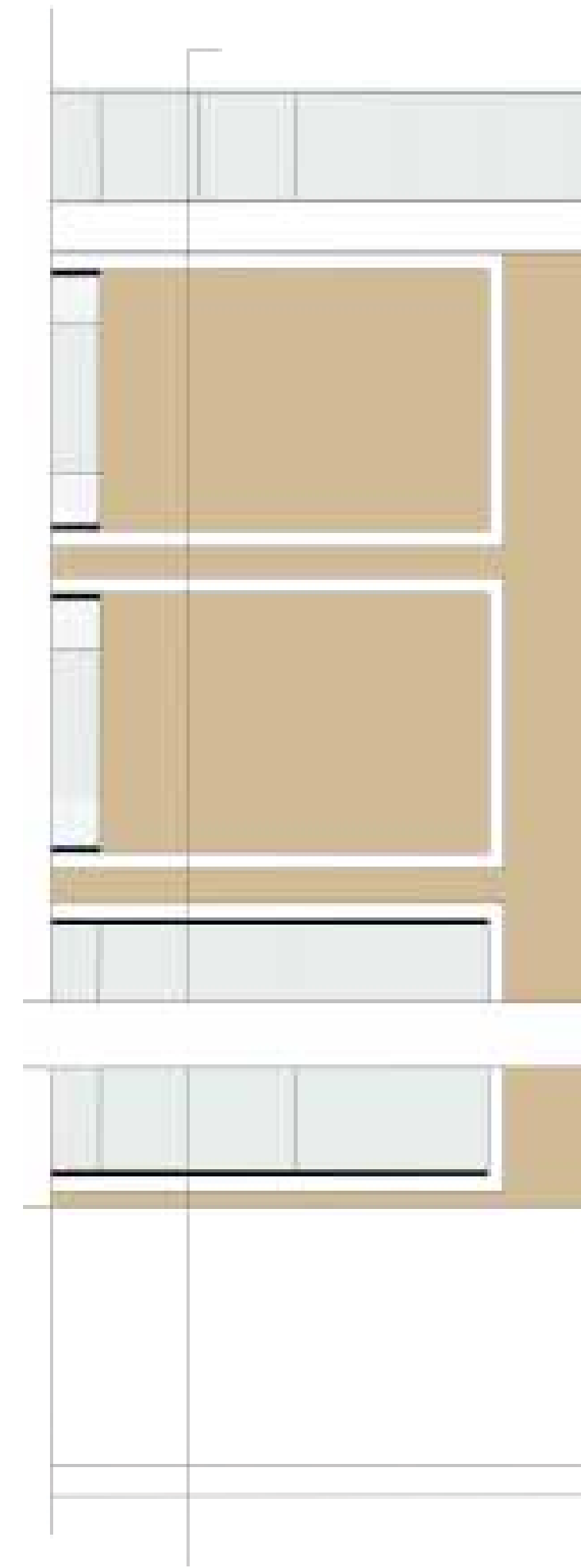
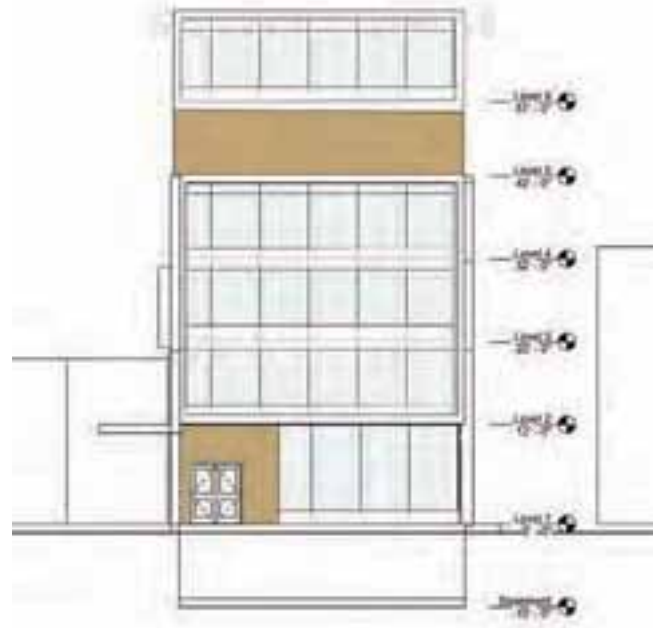
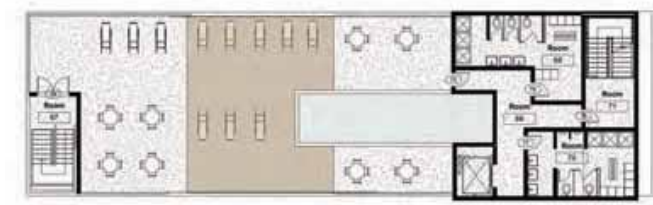
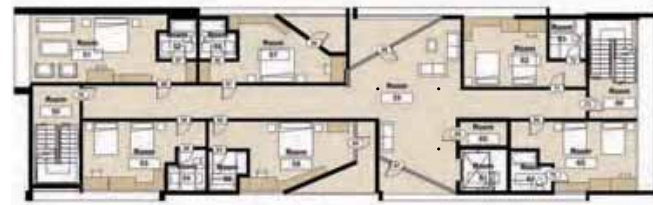
DOWNTOWN BLACKSBURG HOTEL

Timeline: 15 weeks

18 room hotel in downtown Blacksburg located between Wells Fargo and Sharkey's with a limit of 120'L x 35'W x 60'H, excluding drive-through overhang. The rooms consist of 8 double bed rooms, 8 king bed rooms, and 2 suites. The first floor includes a waiting area, offices and check-in, storage space, and a small cafe with seating. The roof has a pool, outdoor seating on a wood deck, locker rooms, and a bar looking out onto the pool and Main Street.

Frames reveal the organization of the hotel to passersby, and the Main Street facade is pulled back on the first floor, allowing for a less intimidating meeting with the street. Looking at precedents such as Le Meridien Zhengzhou, I was inspired by the idea of boxes framing rooms or regions.

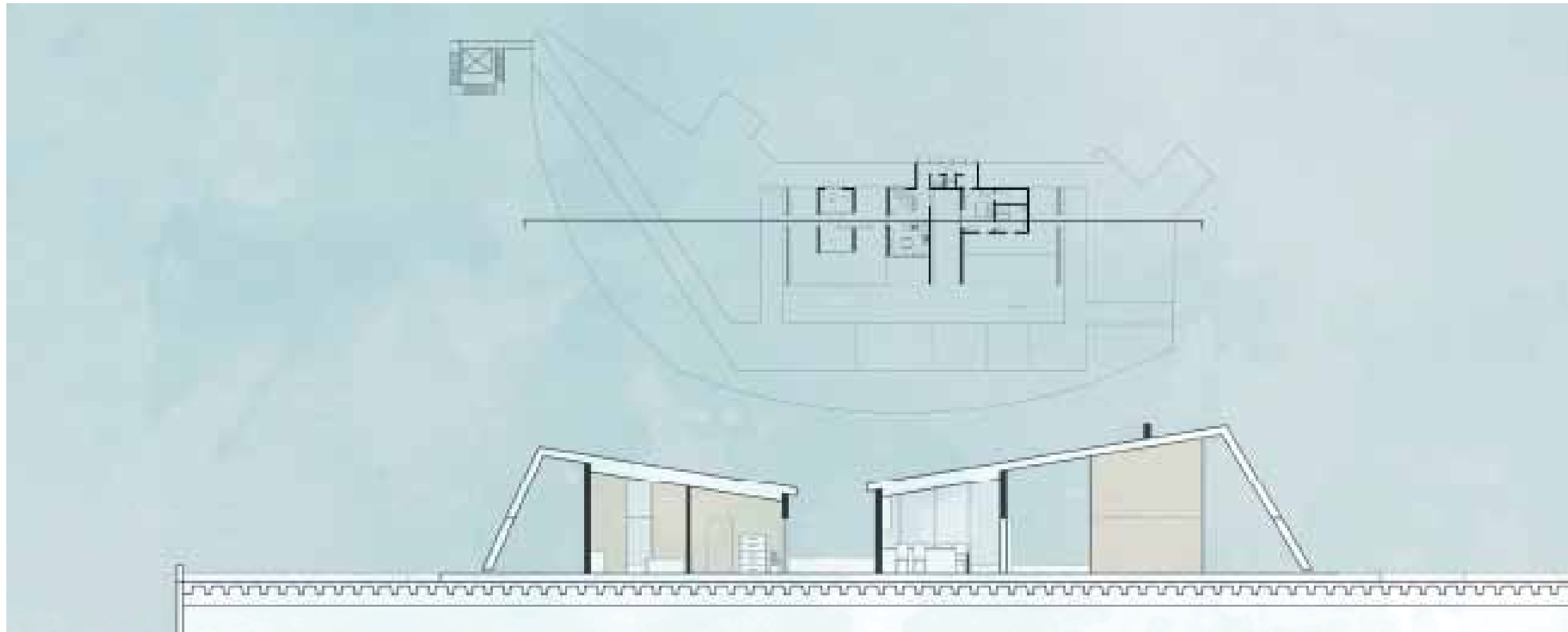
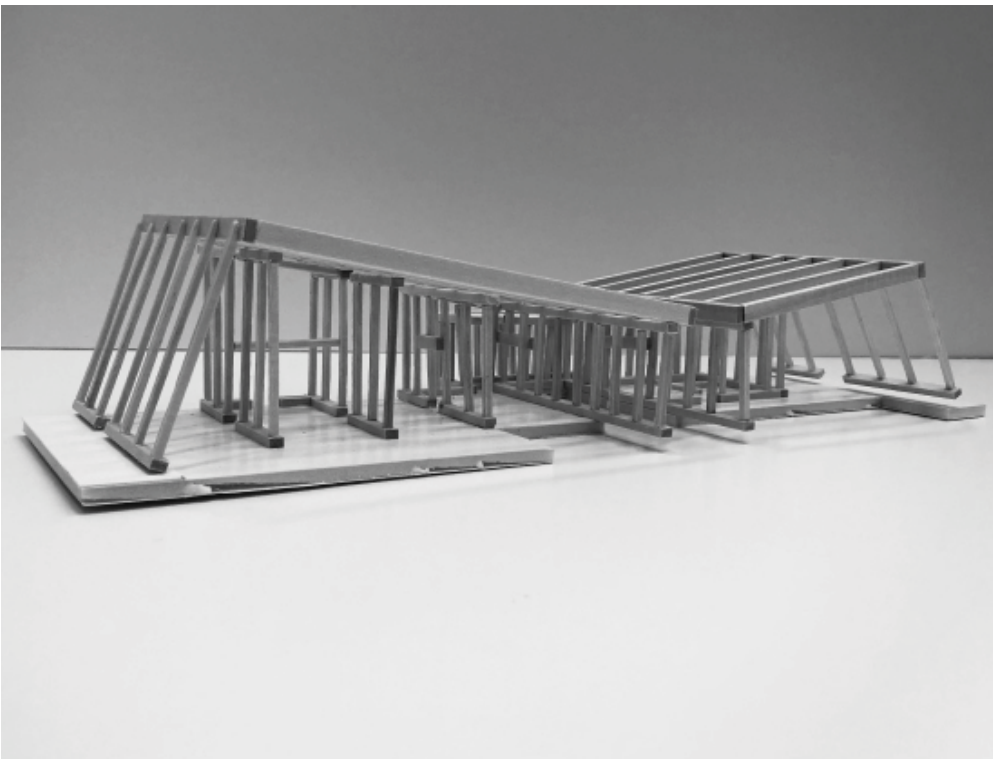


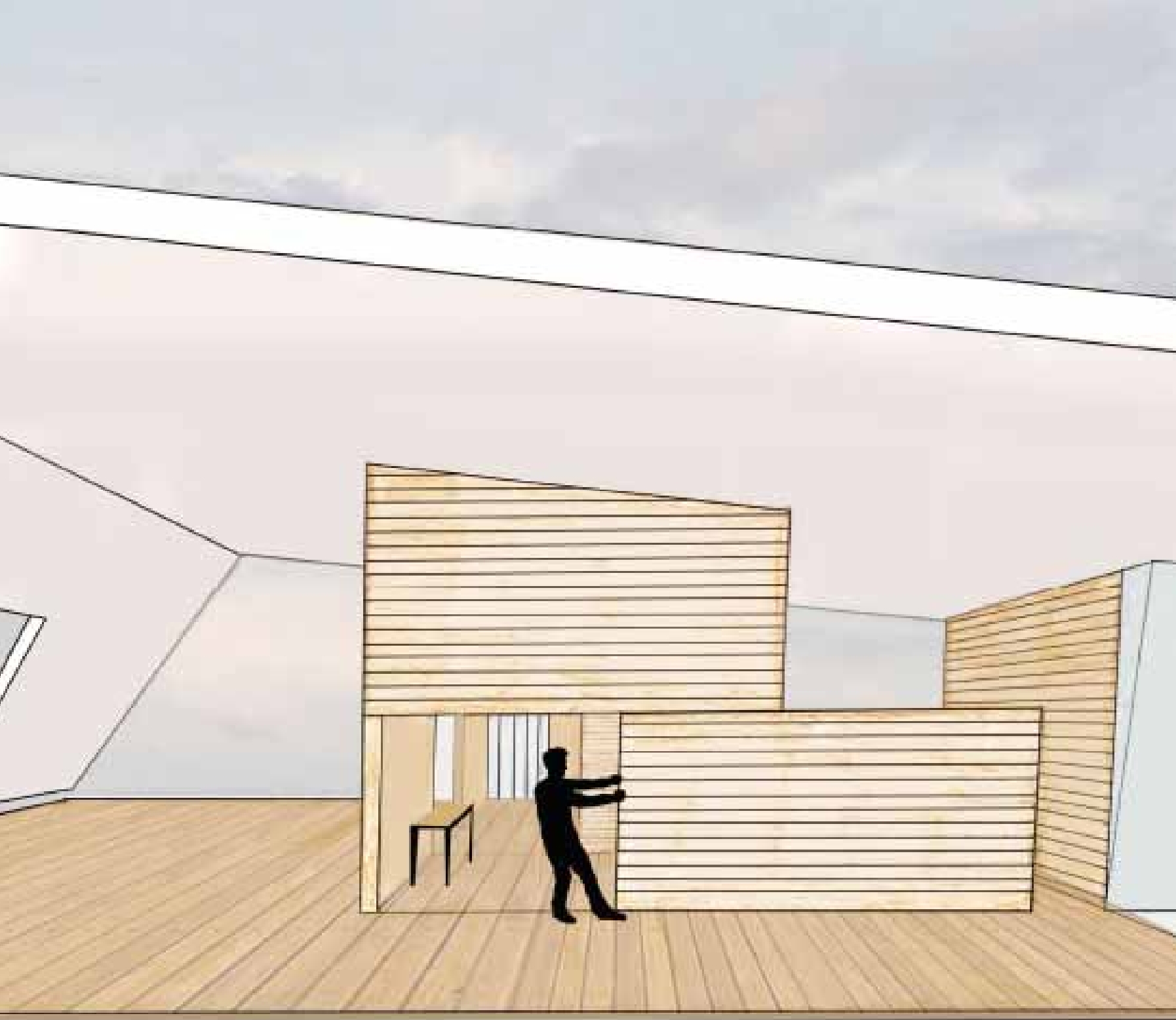


NEWMAN APARTMENT

Timeline: 15 weeks

Housing and garden situated on Venturi's addition to Newman Library in Blacksburg, Va. It is intended for a teaching assistant to reside, teach, and work. The floor plan should be around 1,000 sq.ft., and an area to host a small gathering of people should be included. In order to access the building, an exterior stair should be added onto Newman Library.





Main architectural idea: roof and reflection pool

A floating roof that acts as a canopy for heavier buildings sitting underneath, supported with pinned connections

A reflection pool that captures the sky and building, and takes away access to the roof edge

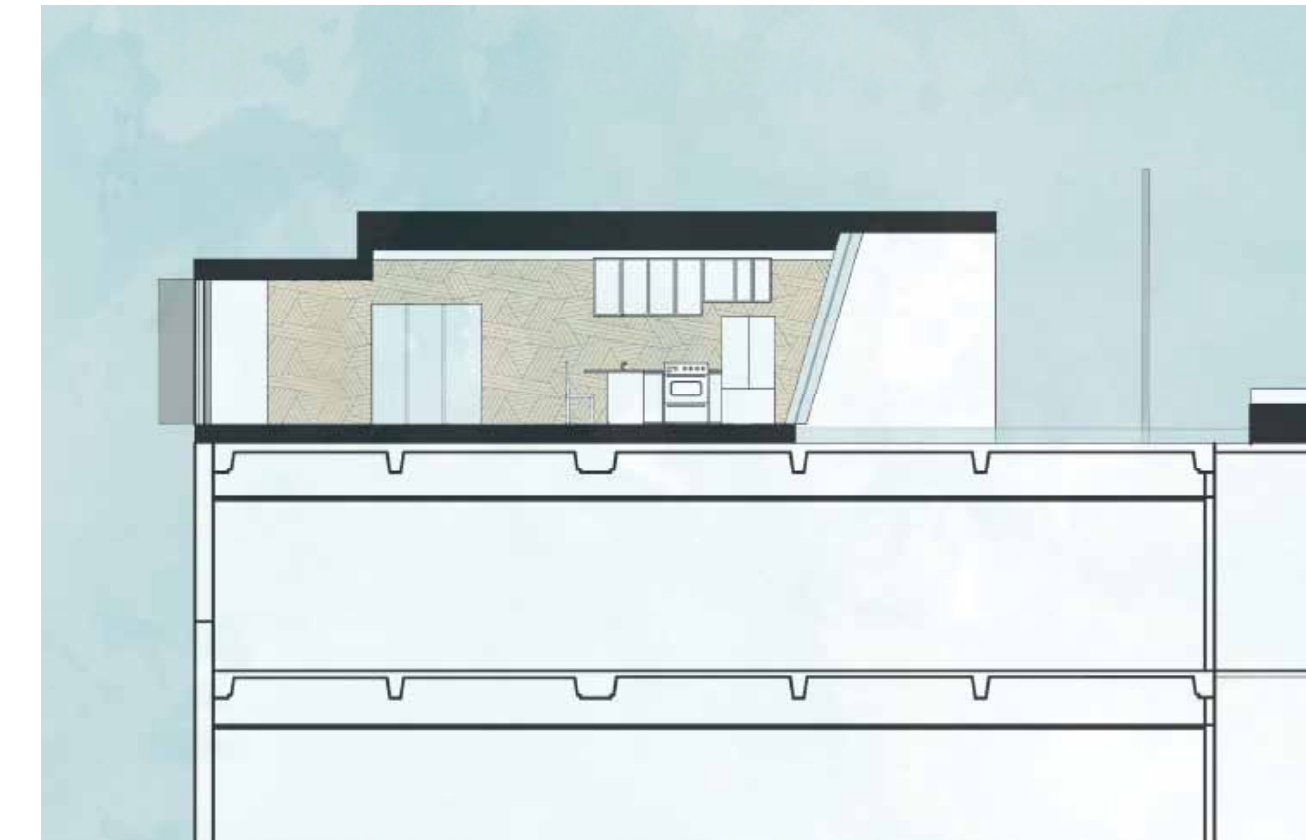
Sliding doors to follow planar idea in floor plan and to open up academic side for gathering and mixing of work and teaching



6



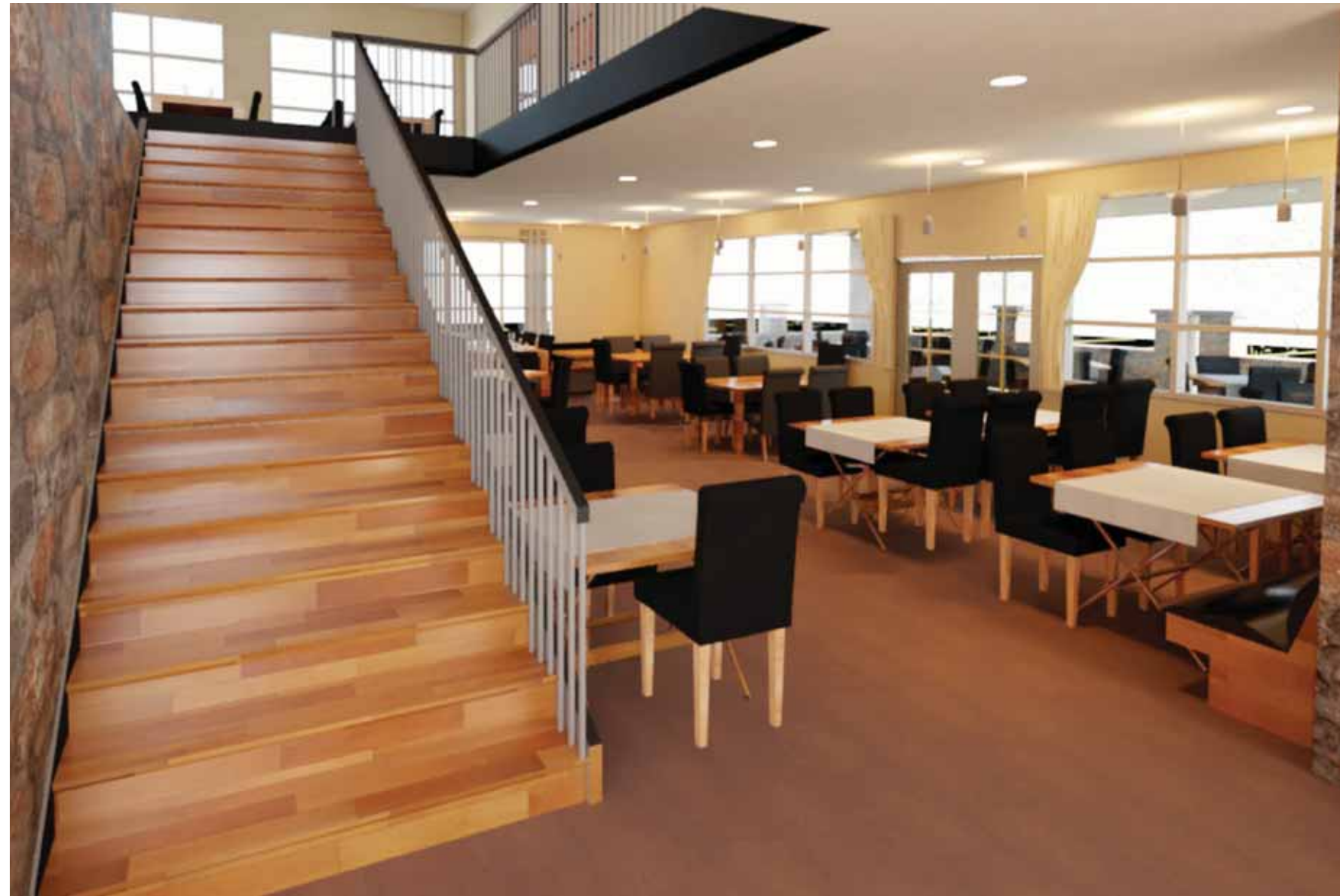
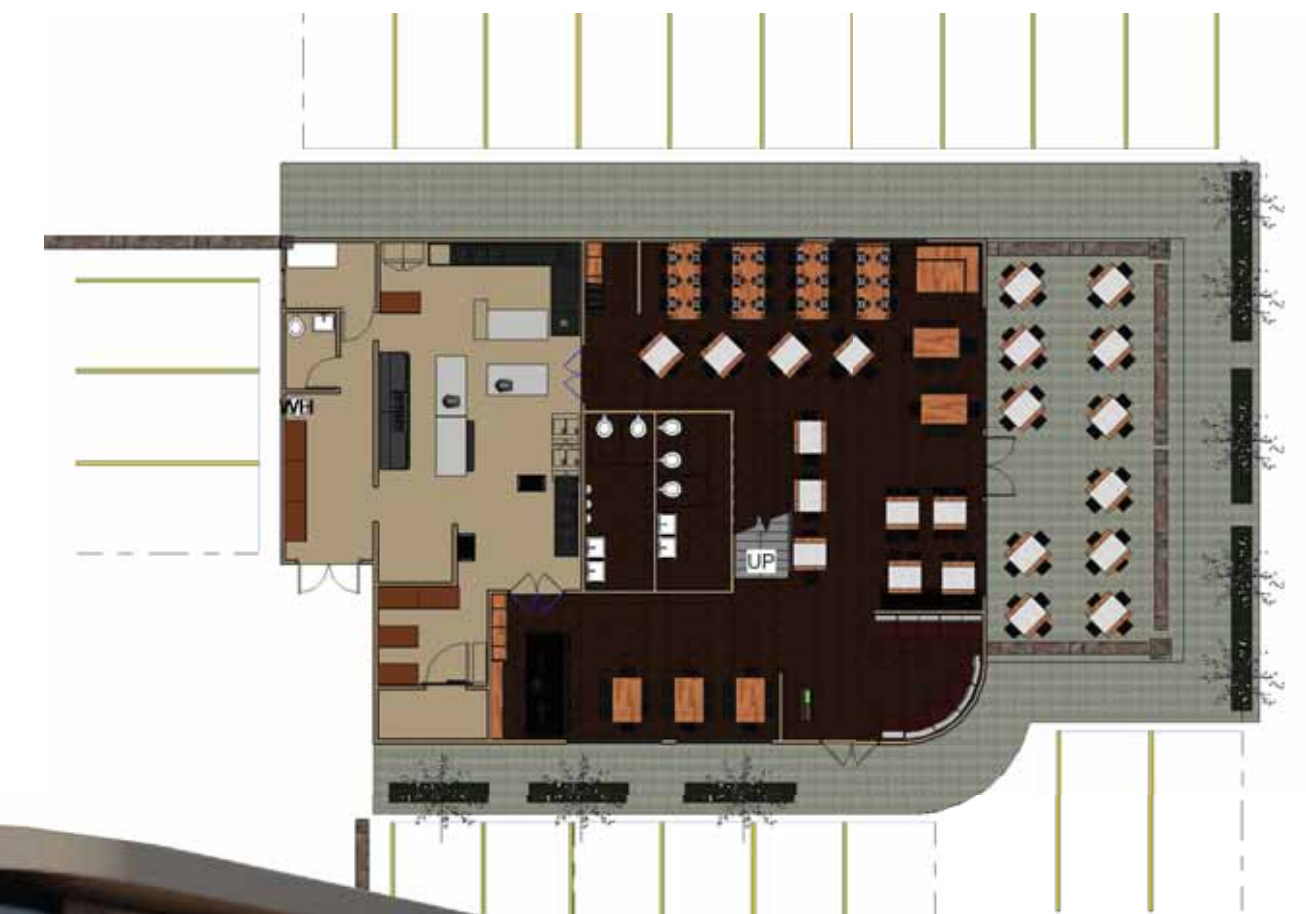
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FINE DINING RESTAURANT

High school Revit class independent project of a two-story restaurant.
Program: waiting area and hostess stand, bar, general indoor seating, two private event rooms, outdoor seating patio, commercial kitchen, second floor busing station, and restrooms.



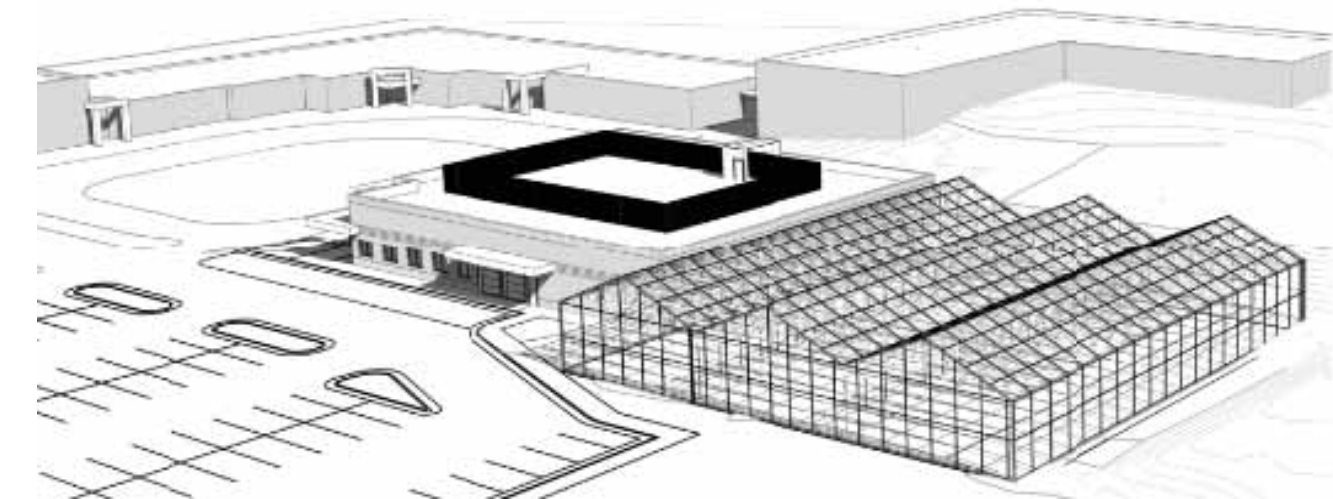
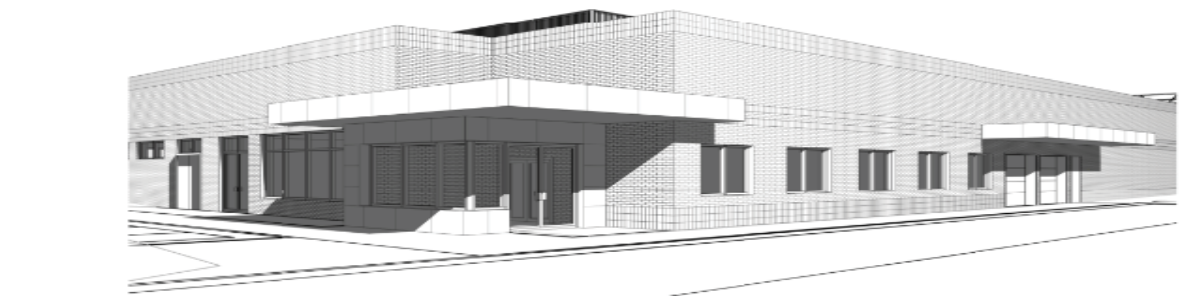


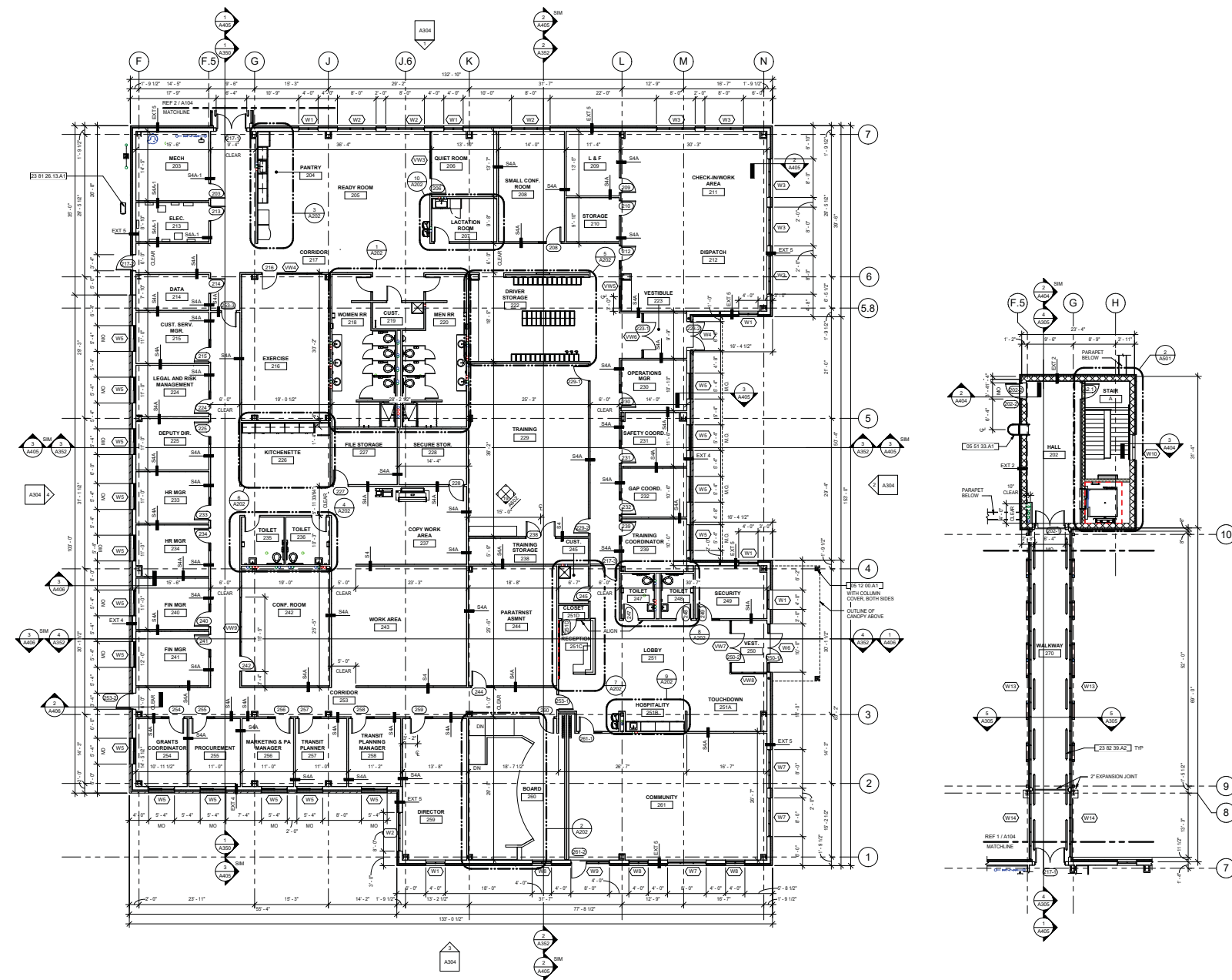
PHILLIPS PROGRAM

Wiley Wilson

Program: Phased construction of greenhouse with associated headhouse and kitchen program. This is for graduates of the alternative school to prepare food for the school and community. The client requested spaces for public tours, locker room area, quiet rooms, offices, shipping and staging, and greenhouse support spaces.

Role: modeled existing conditions, prepared spatial diagrams and schematic design ideas and graphics. Provided phase one renderings (pictured left and top right) for fundraising purposes.





GREENVILLE TRANSPORTATION ADMIN AND MAINTENANCE FACILITY

Wendel Companies

Assisted with the schematic planning and renders of this facility in Greenville, SC. I also assisted in the admin building plan documentation alongside full time staff during my internship. The program includes an admin building (pictured middle left and in plan above) with offices for management, storage for equipment, open work areas, and a public conference room and lobby for community meetings. The admin building is connected to a bus maintenance facility (pictured top left) by a blue steel bridge. The bottom left rendering shows a photo match I produced for a bus stop loop project also through Wendel.



CHILD DEVELOPMENT CENTER RENDERS

Wiley Wilson

Timeline: 2 weeks

Developed these two renderings from a schematic level model of a child development center with the guidance of the architect who created the model and original design. These were requested for general marketing purposes by the firm.