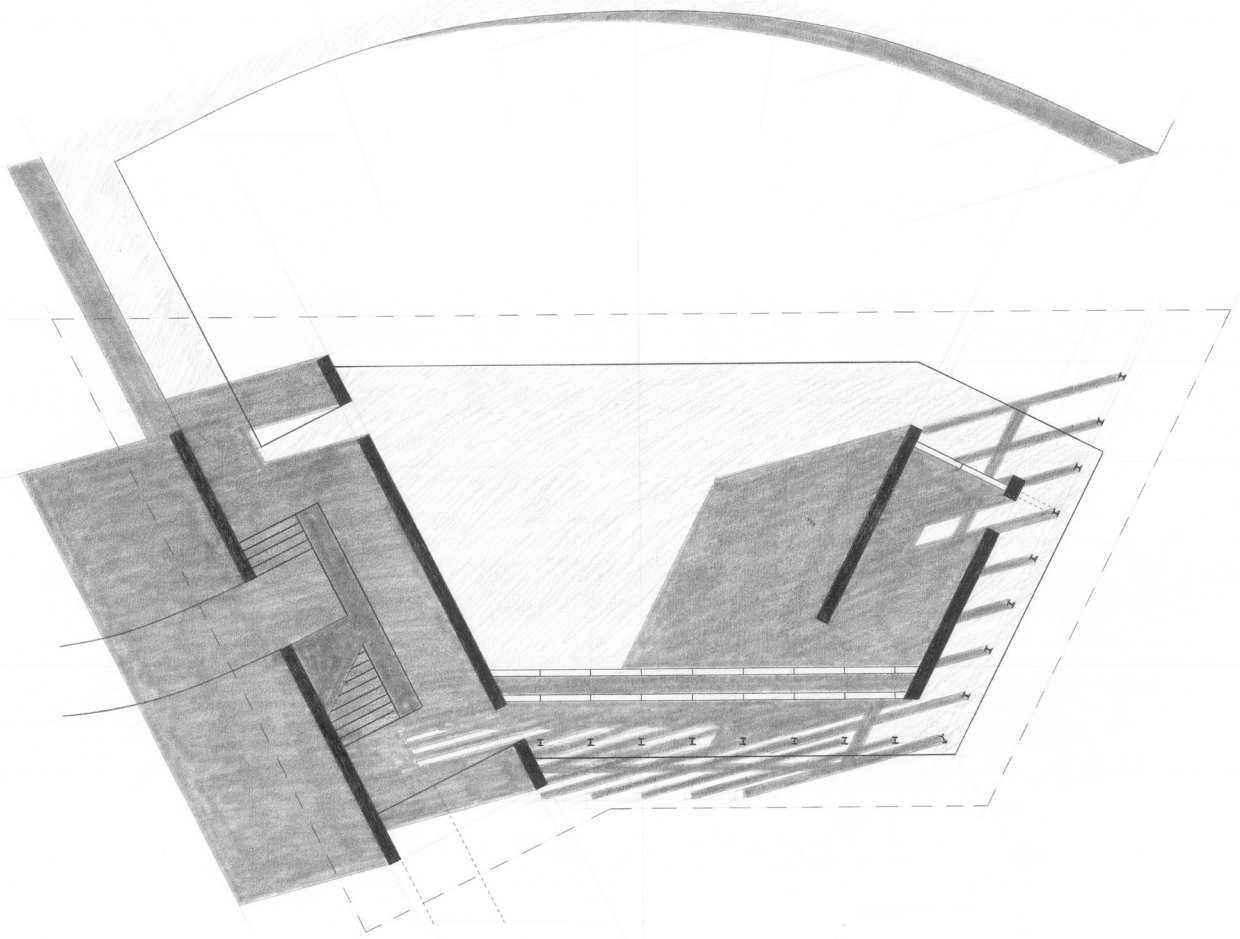
SELECTED PROJECTS

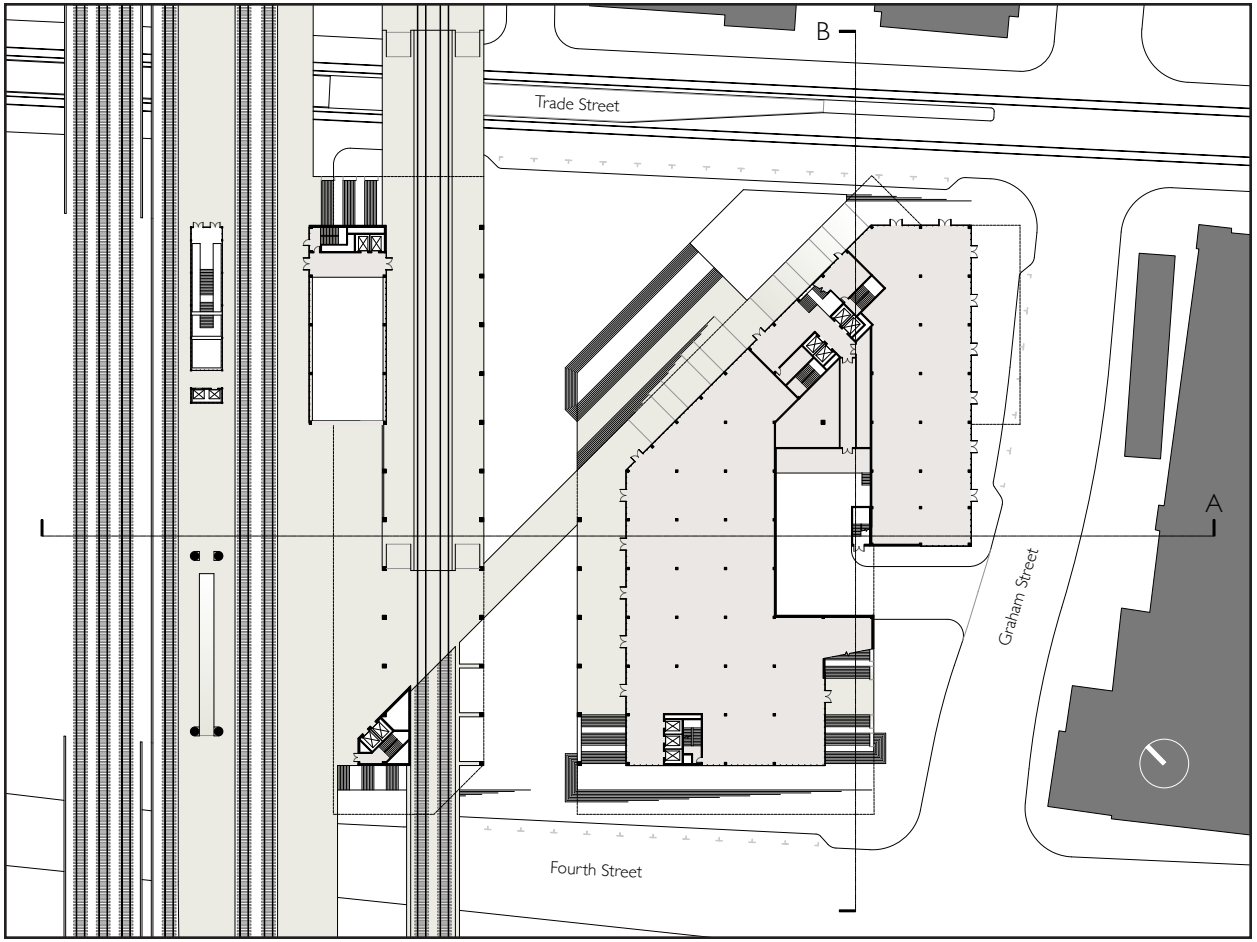


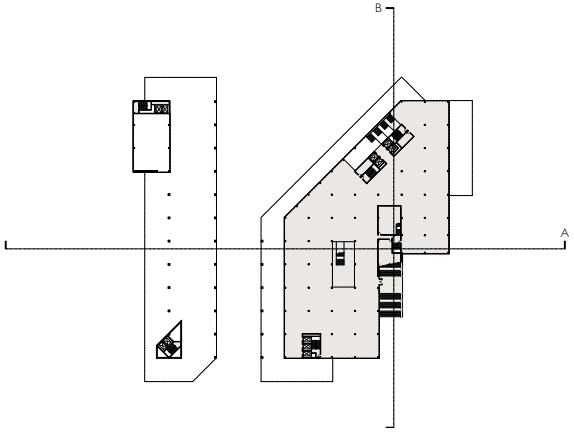
NICHOLAS OREN RAWLINGS / SPRING 2023

INTERTWINED INTERMODALITY
Charlotte, North Carolina
Fall 2020
Graduate Comprehensive Studio
With partner Matt Marflake

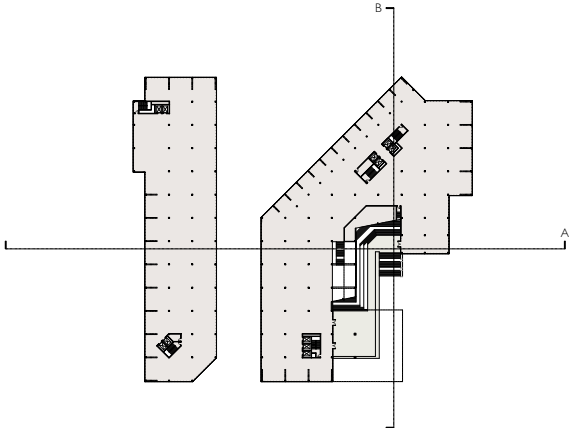
Occupying a 4.2 acre site in the Gateway district of Uptown Charlotte, this proposal incorporates residential, office, and retail activities into a multimodal transit hub with connections to bus, streetcar, light rail, commuter rail, and Amtrak services. The lower levels of the project align with the surrounding urban grid and focus on creating active and welcoming streetscapes and public spaces. The upper levels are rotated 45° to maximize the effectiveness of the building's passive solar design elements.

The fifteen-story structure consists of a steel-augmented mass timber frame atop a cast-in-place concrete podium. The building is clad in red terracotta panels and glass shaded by corten steel louvers, and a ziggurat-like arrangement of terraces and planters activate its roofscape.

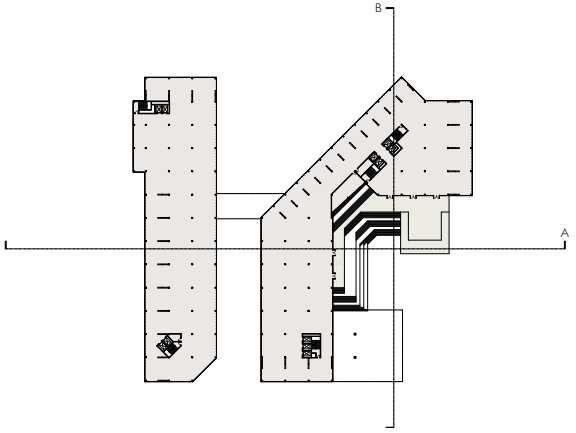




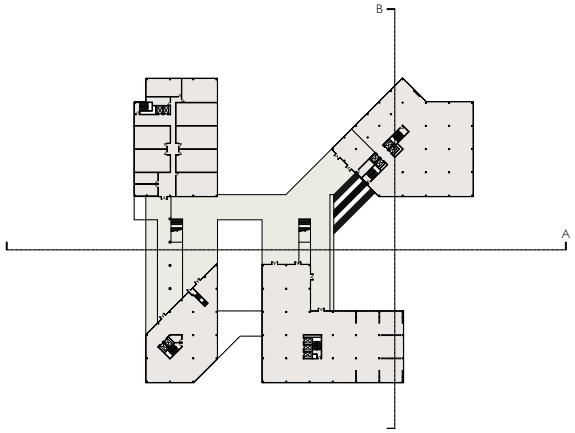
2nd Floor



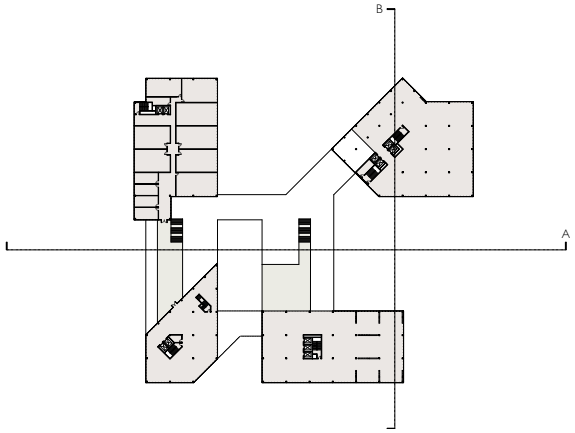
3rd Floor



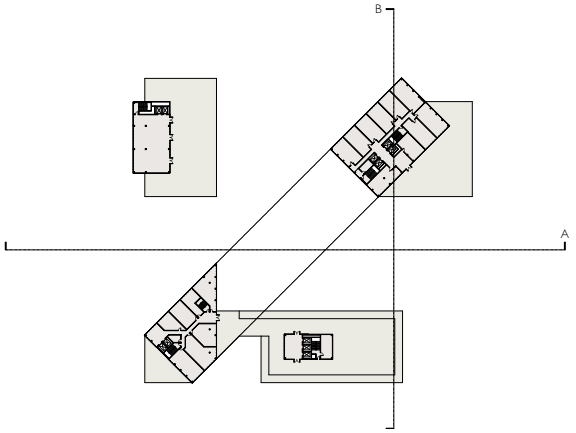
4th Floor



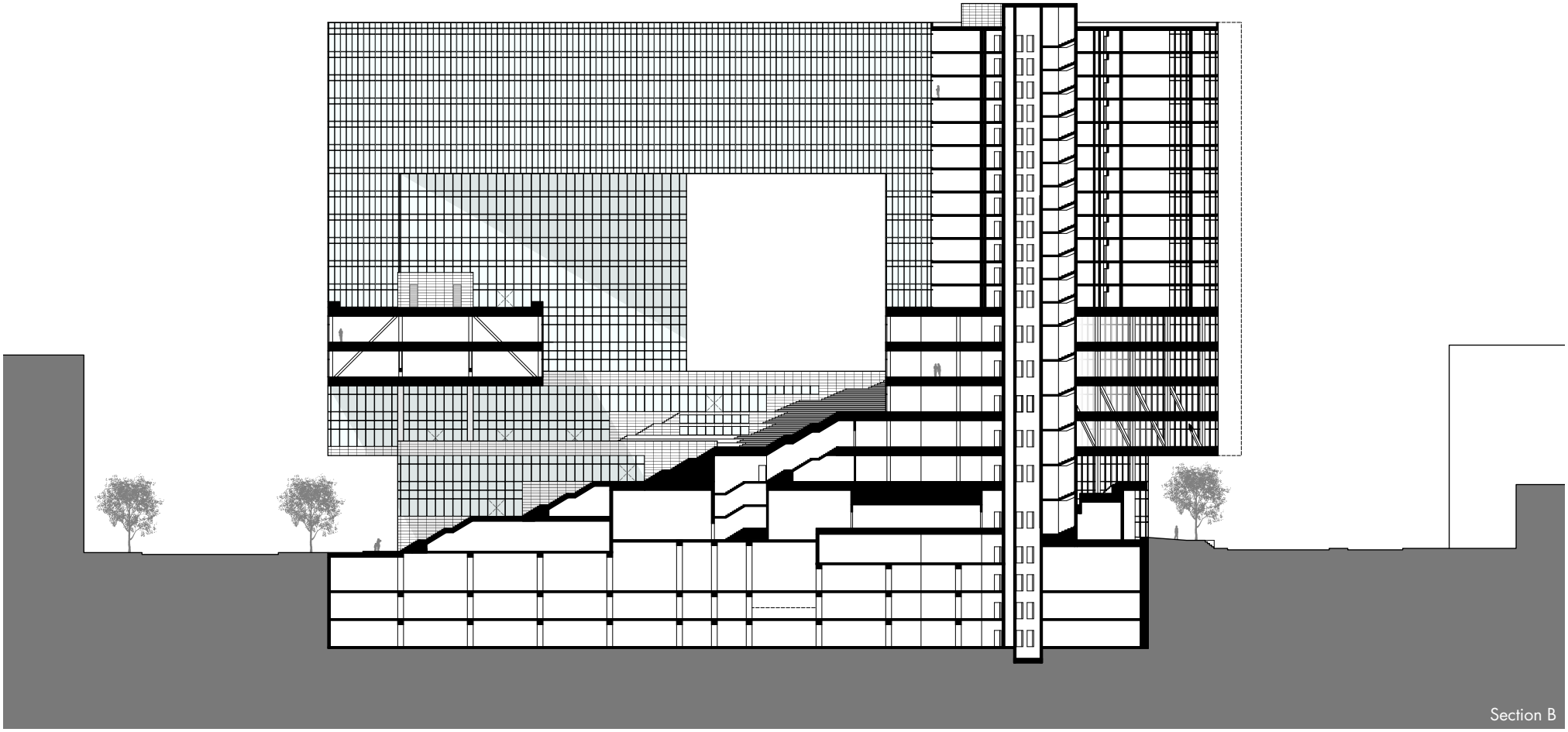
5th Floor



6th Floor



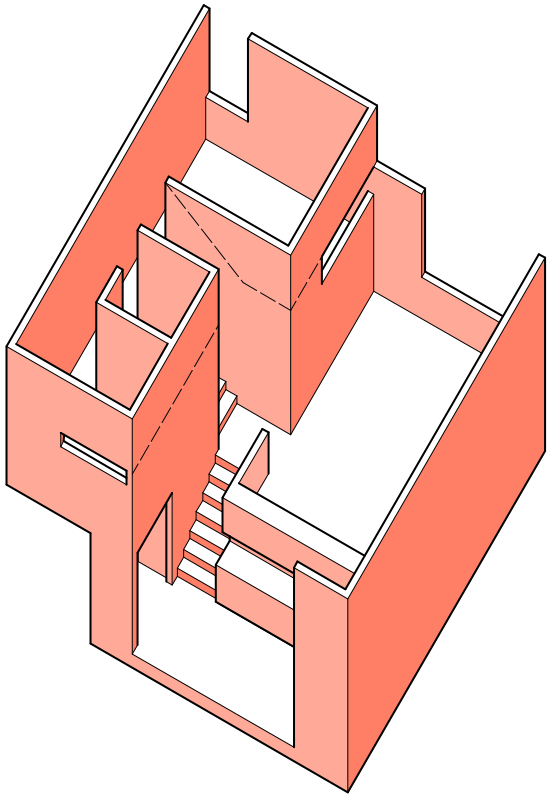
7th Floor

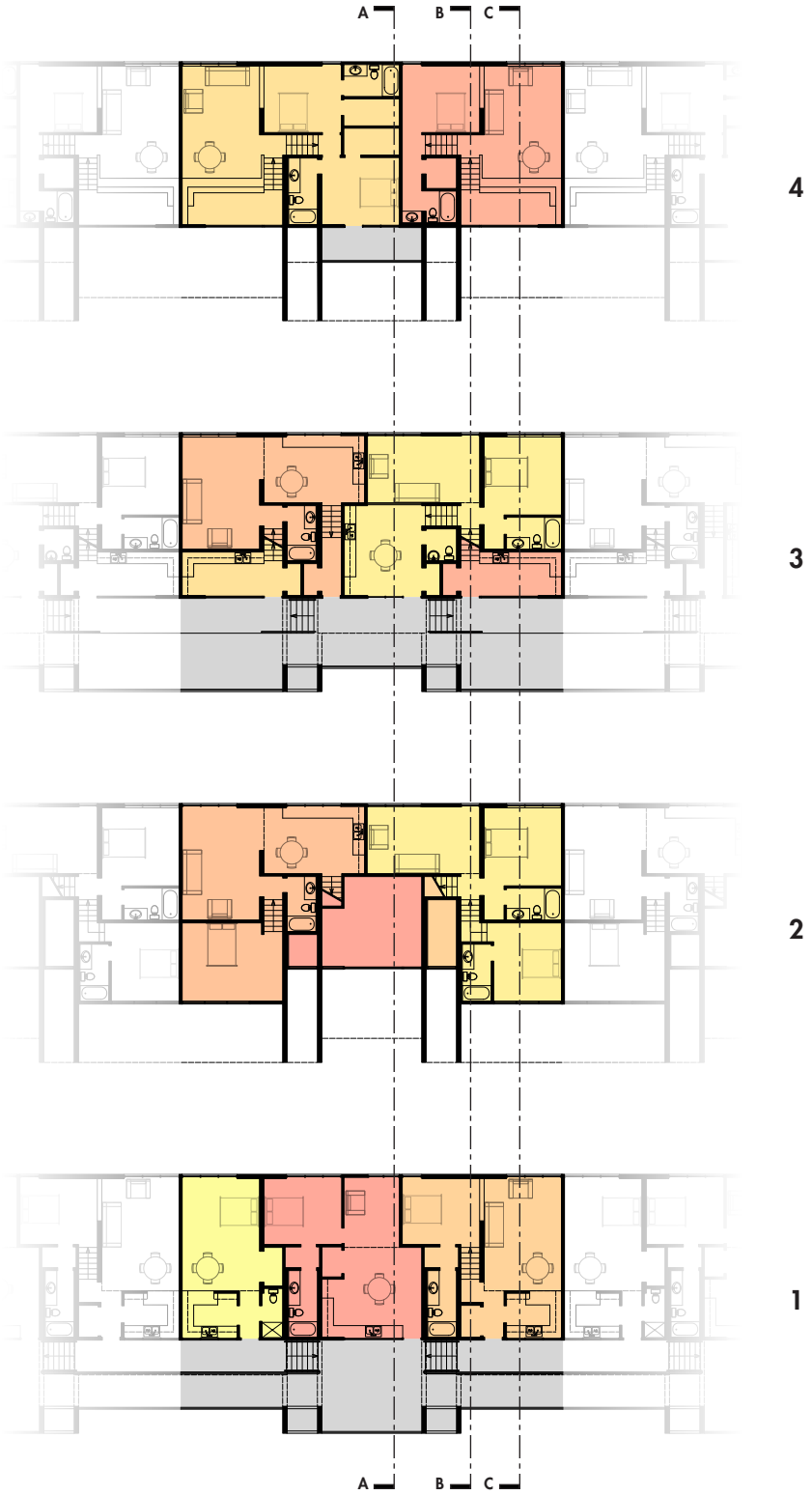


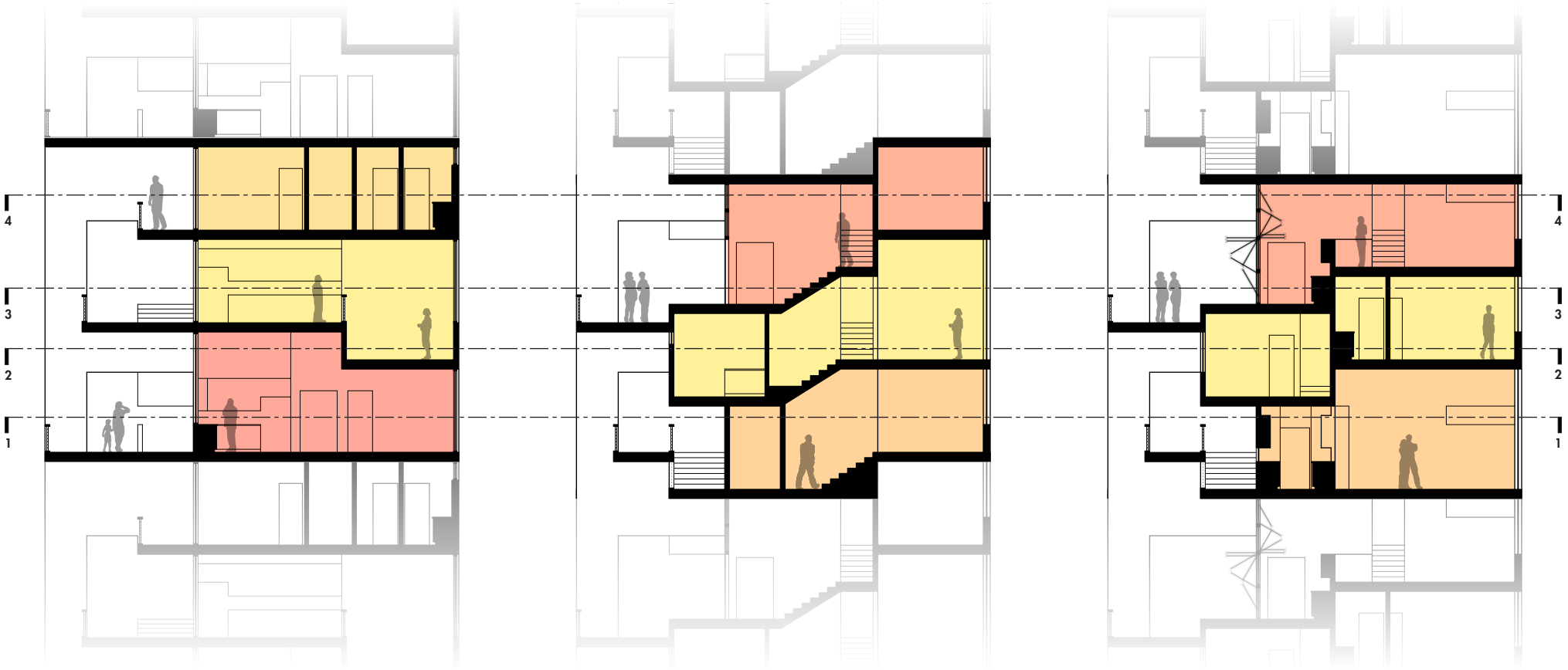
Section B

HOUSING CARTRIDGE
Spring 2020
Graduate Topical Studio

The objective of this project was to develop a repeatable cartridge of 6–8 housing units of varying sizes and configurations. My solution builds on the single-loaded paradigm, treating the corridor as a communal outdoor space. The kitchen serves as a social threshold between the public porch and the private living quarters. Level changes inspired by the residential designs of Adolf Loos enhance the privacy of interior spaces and add to the spatial intrigue of each unit.





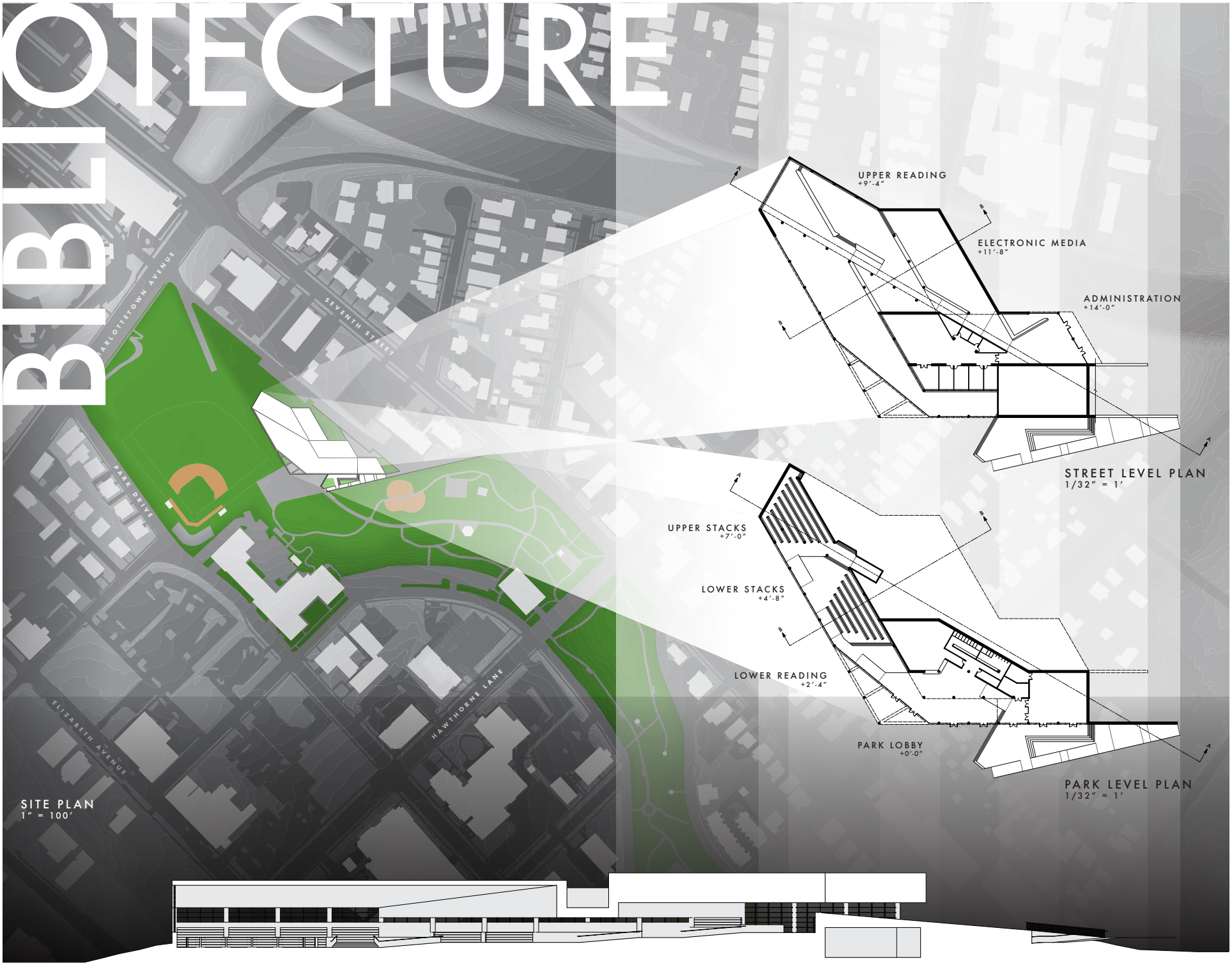


A

B

C

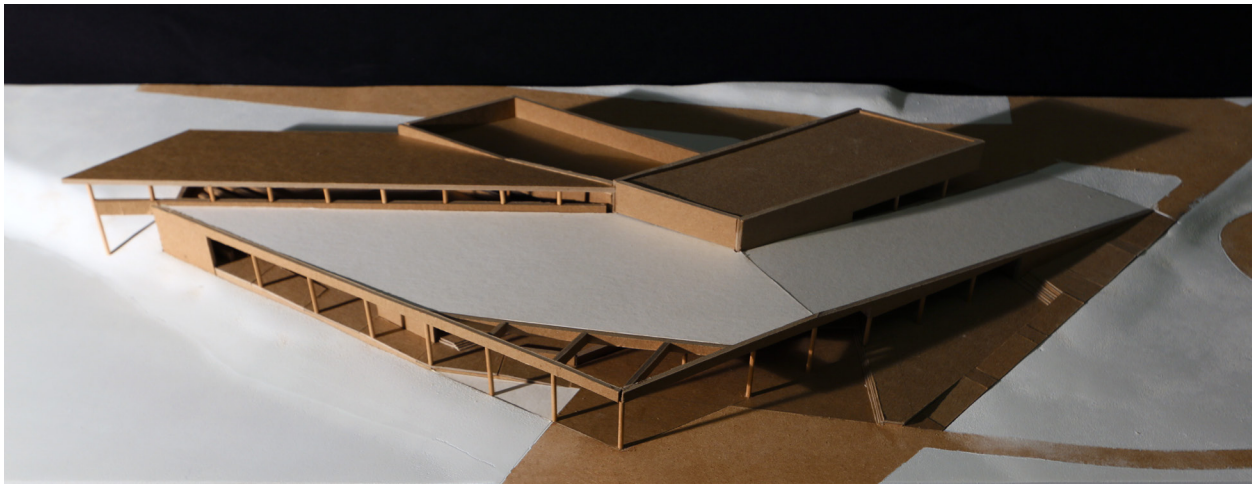
BIBLIOTECTURE

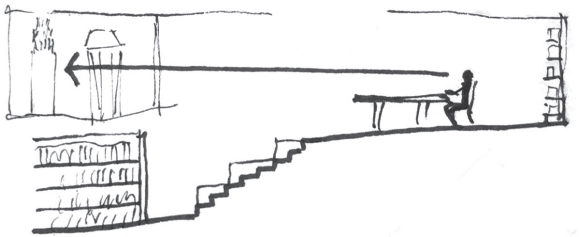


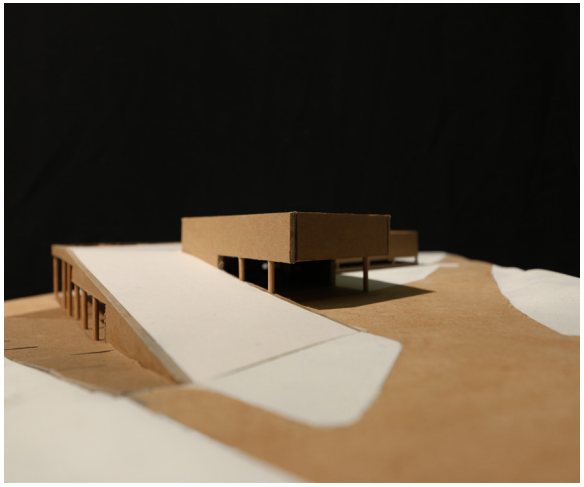


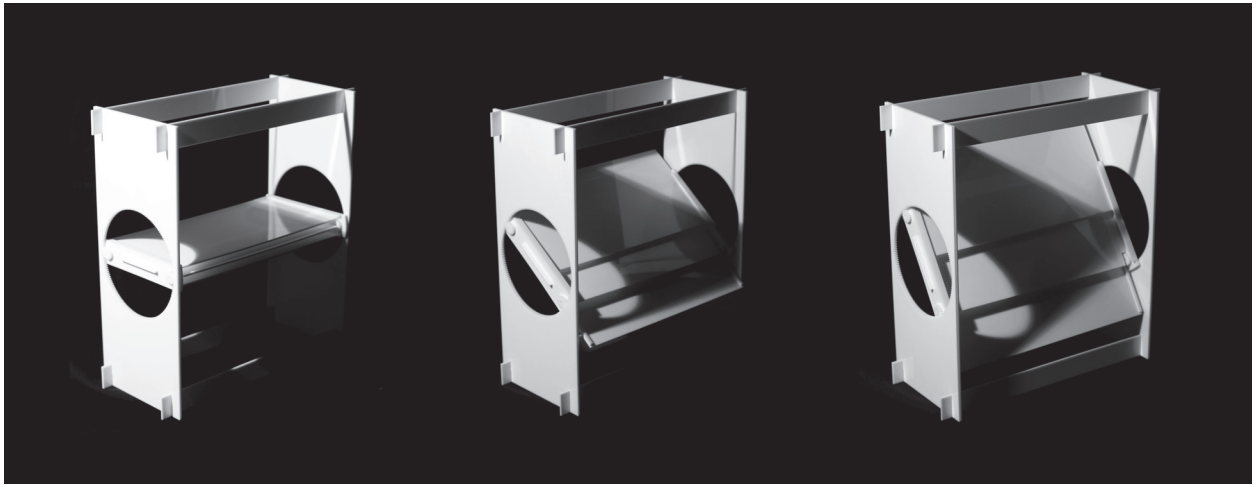
LIBRARY
Charlotte, North Carolina
Fall 2018
Fourth Year Undergraduate Studio

The building is defined by a series of interior terraces that reflect the embankment into which it nestles. A kinetic façade consisting of panels that simultaneously rotate and expand reduces the library's simulated energy footprint by 34% compared to a traditional roof overhang.



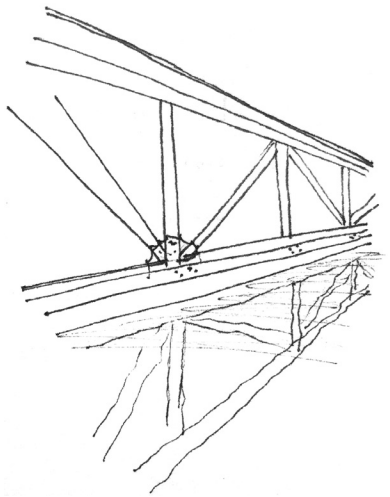


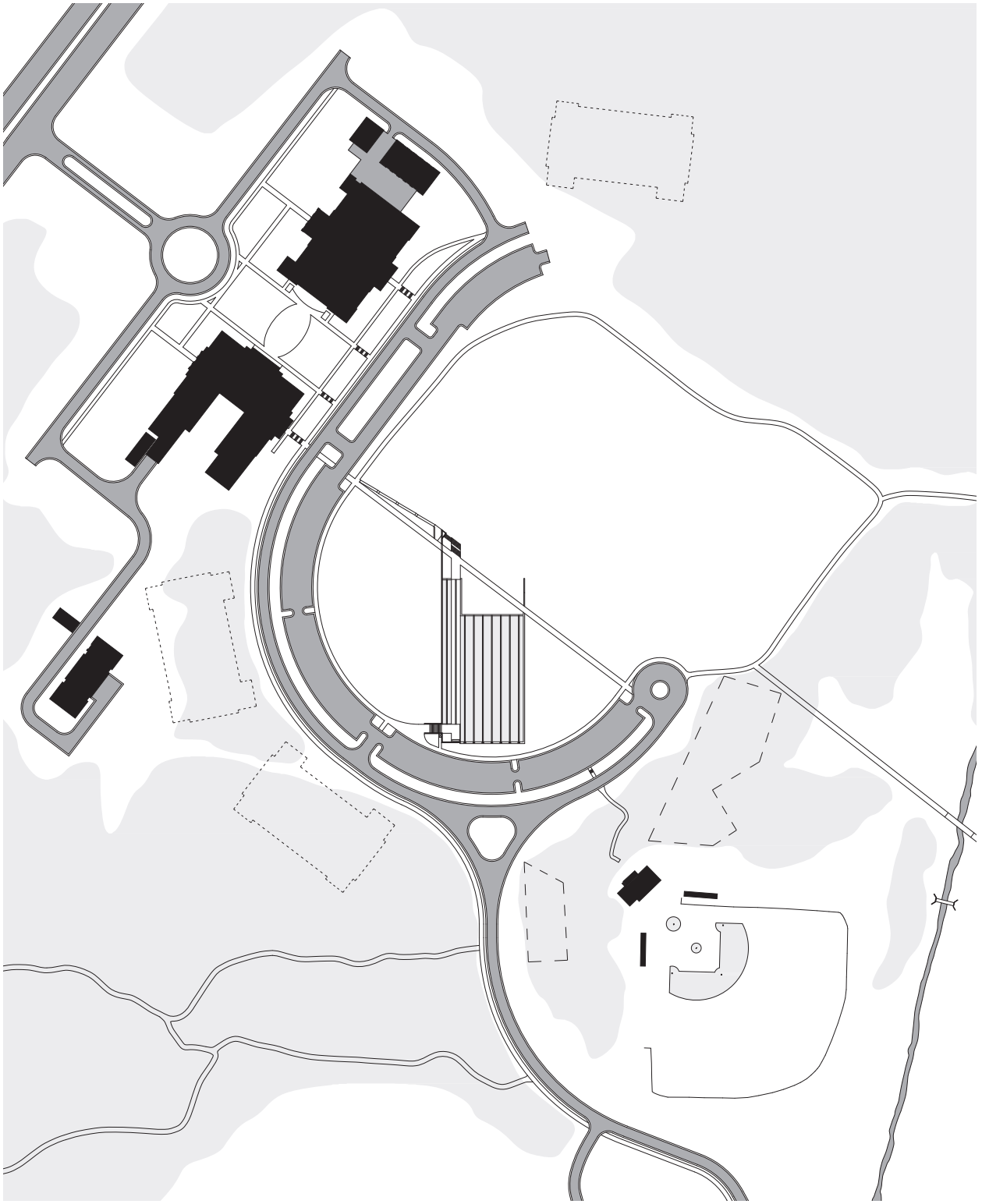


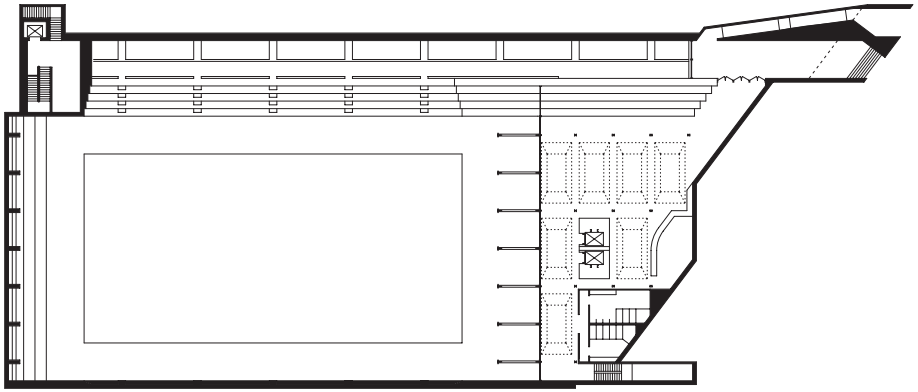


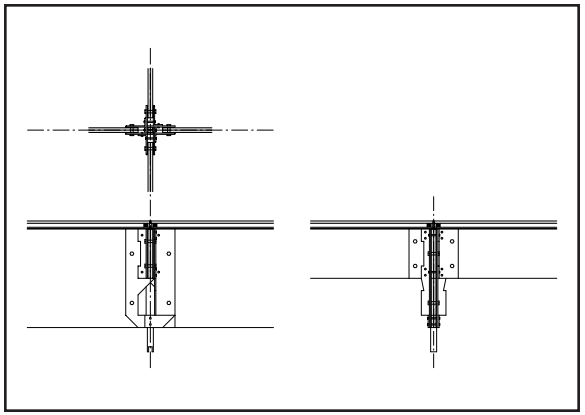
NATATORIUM
Charlotte, North Carolina
Fall 2006
Third Year Undergraduate Studio

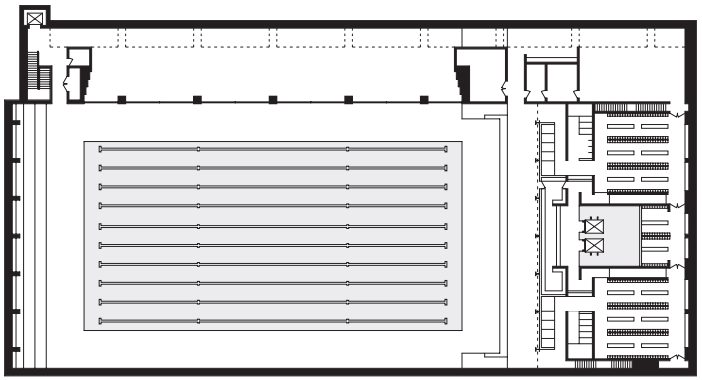
The presence of the underground facility is revealed by a garden of steel trusses floating on a shallow pool. The bottom of the pool is glass, allowing sunlight to enter the space below, its quality already having mediated by water, endowing the natatorium with a sense of submersion.

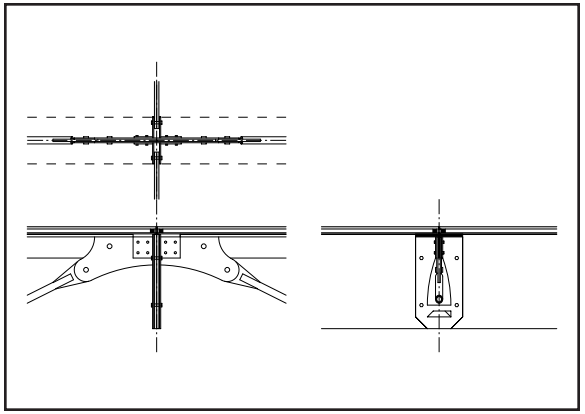


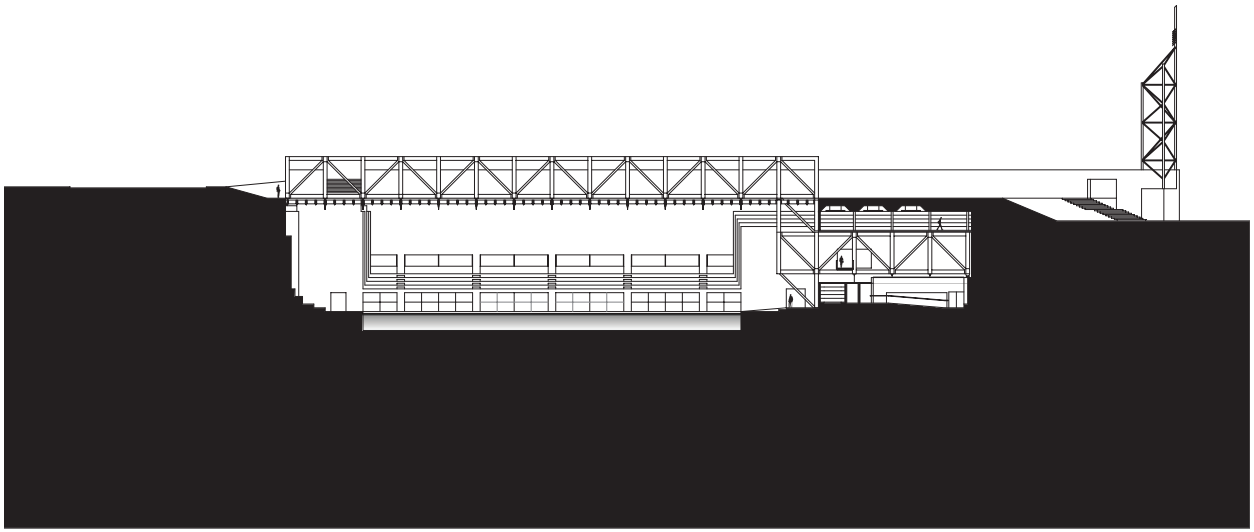


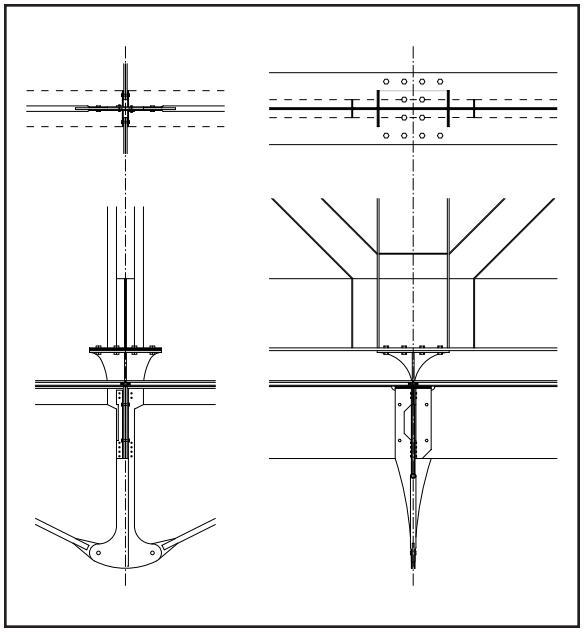


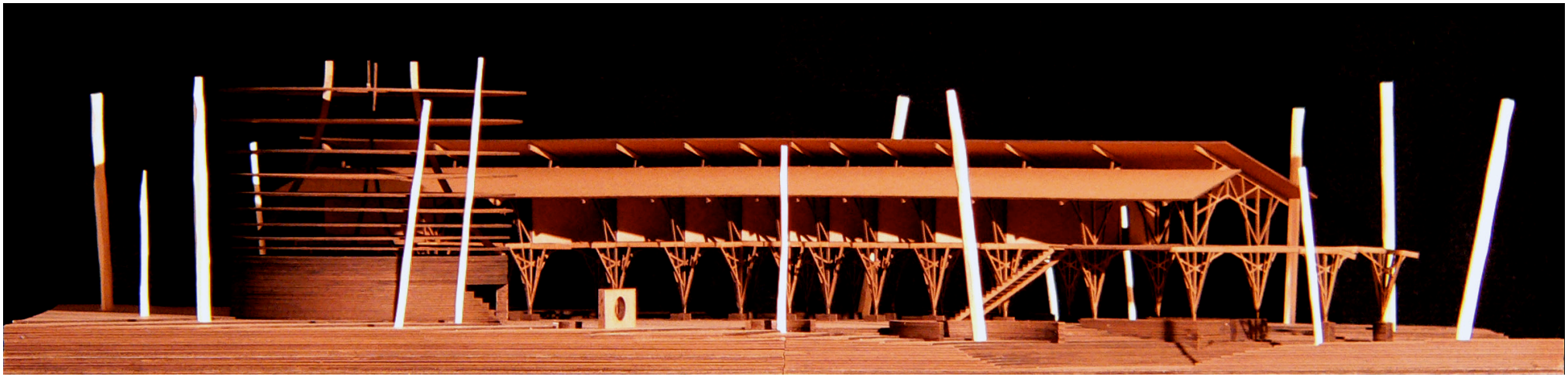


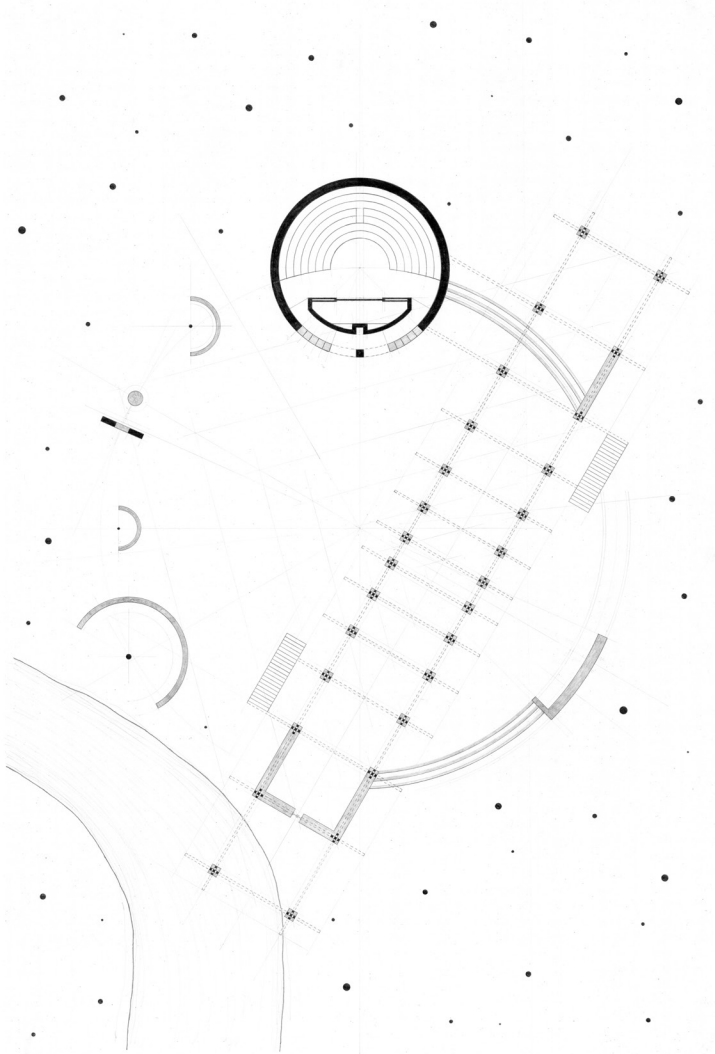


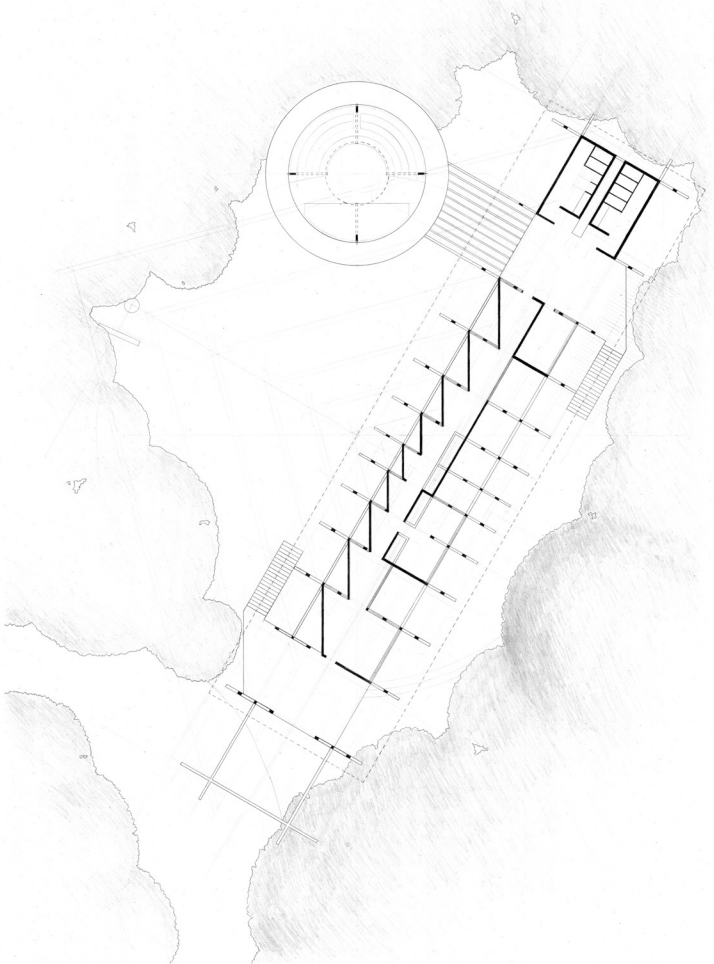






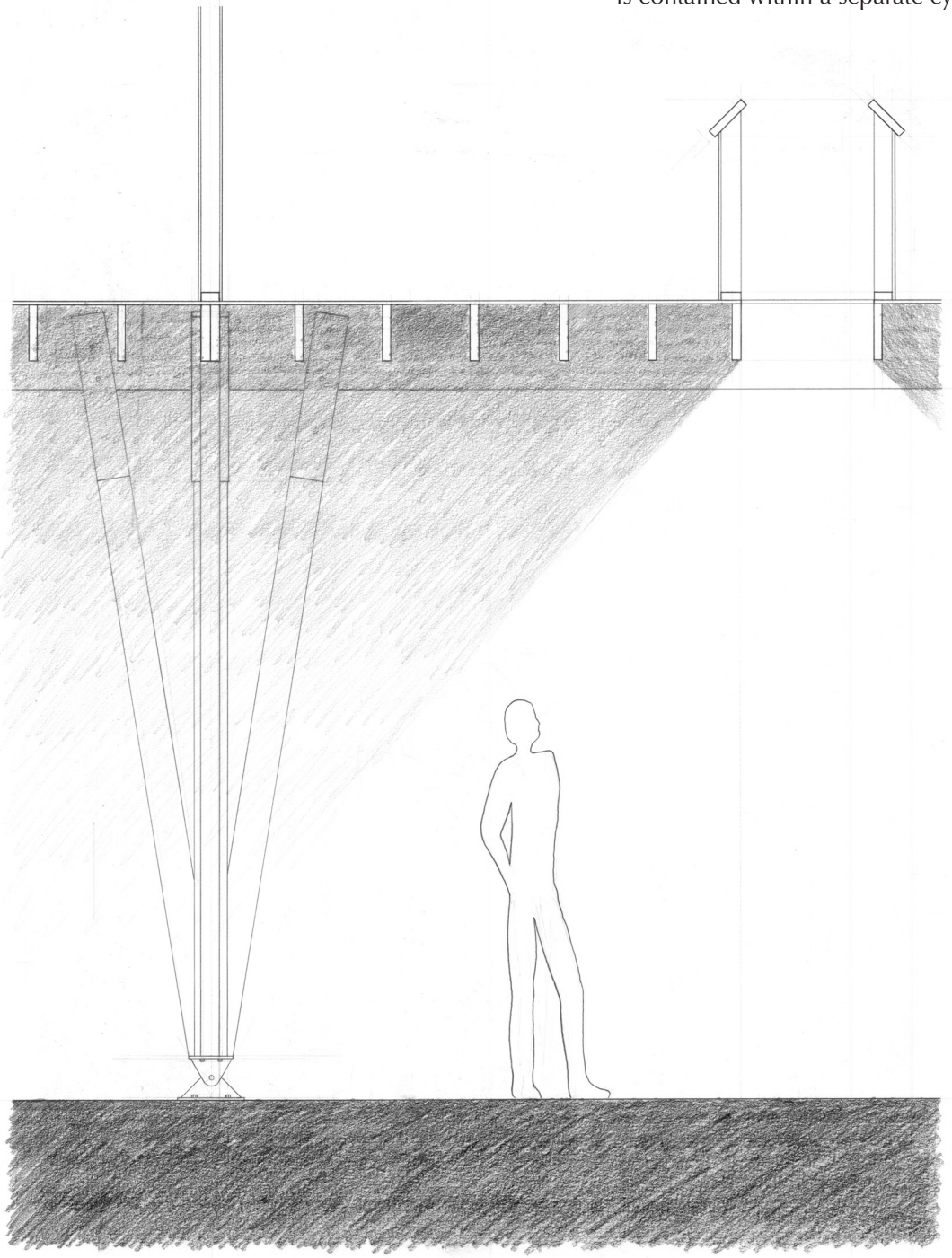


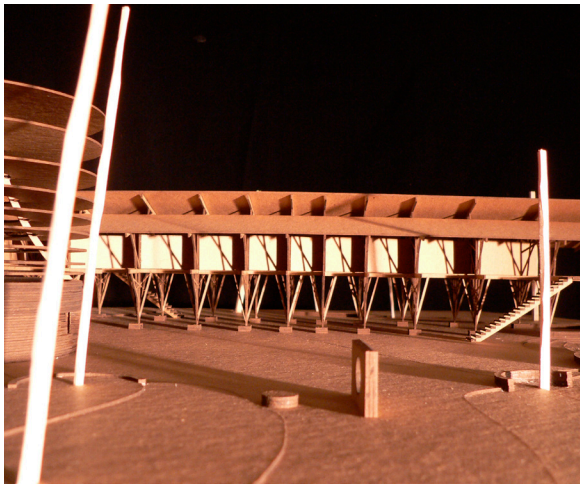


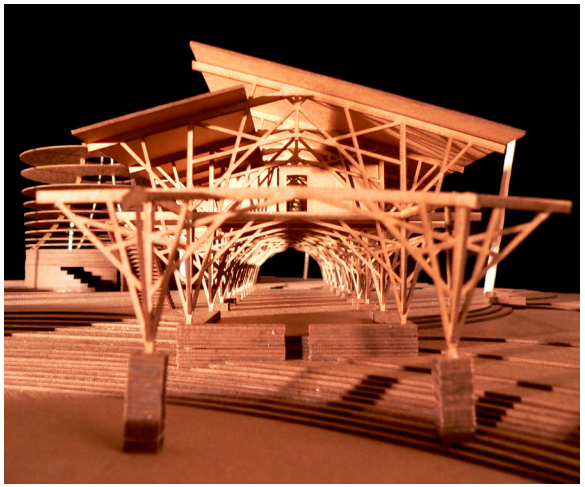


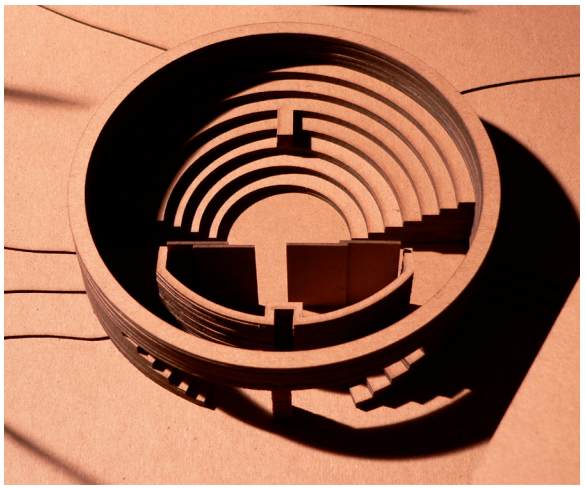
COMMUNITY CENTER
Turkey Creek, Mississippi
Spring 2006
Second Year Undergraduate Studio

Offices and a historical gallery are raised above the ground plane both to protect the interior spaces from flooding and to provide shelter from the sun underneath. A community meeting space is contained within a separate cylindrical mass.

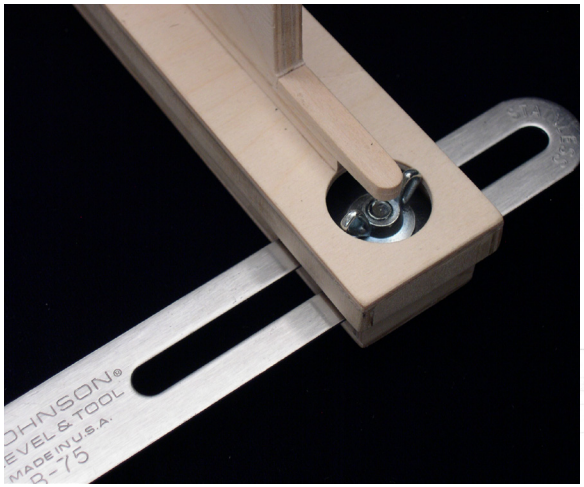








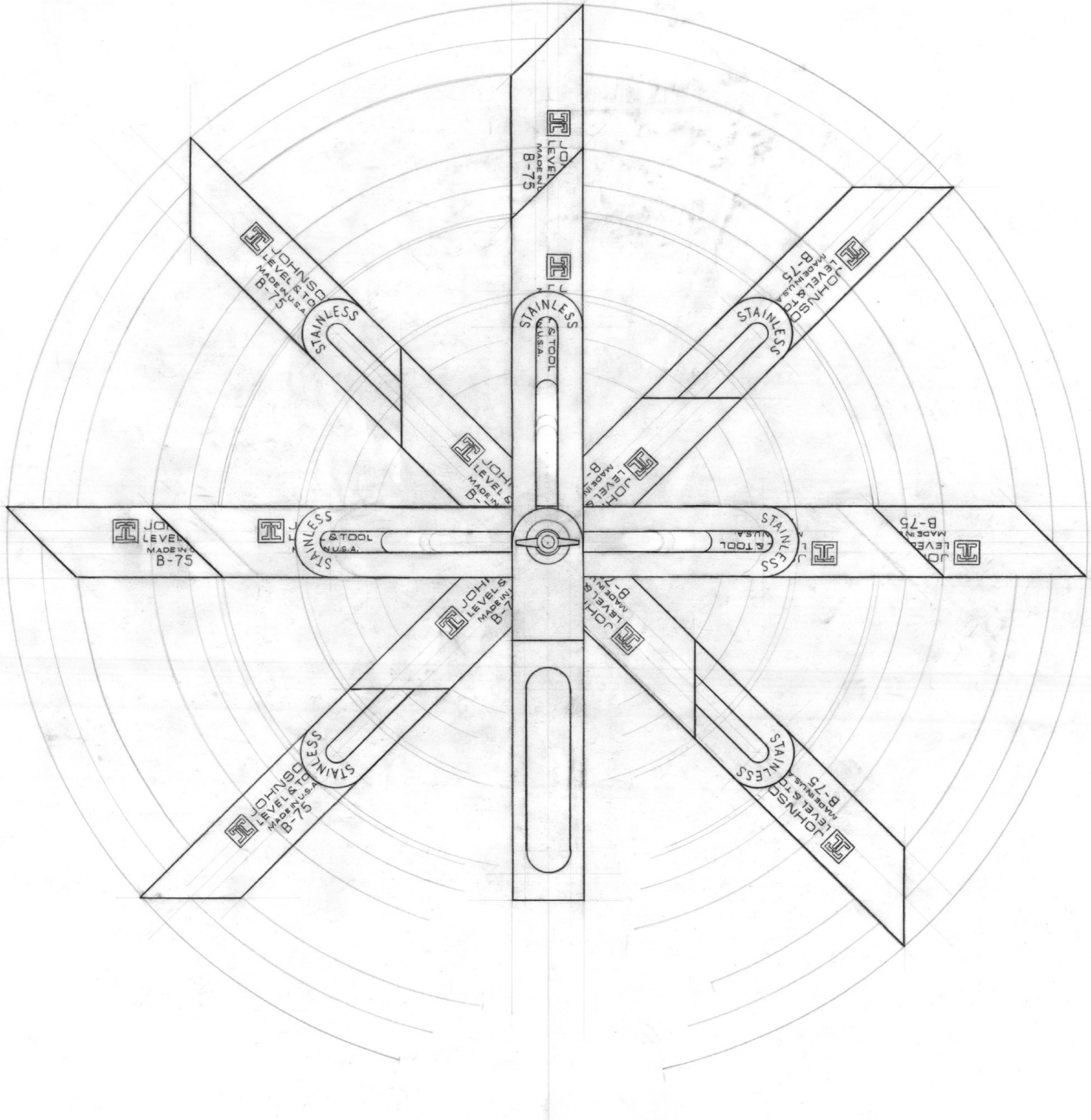


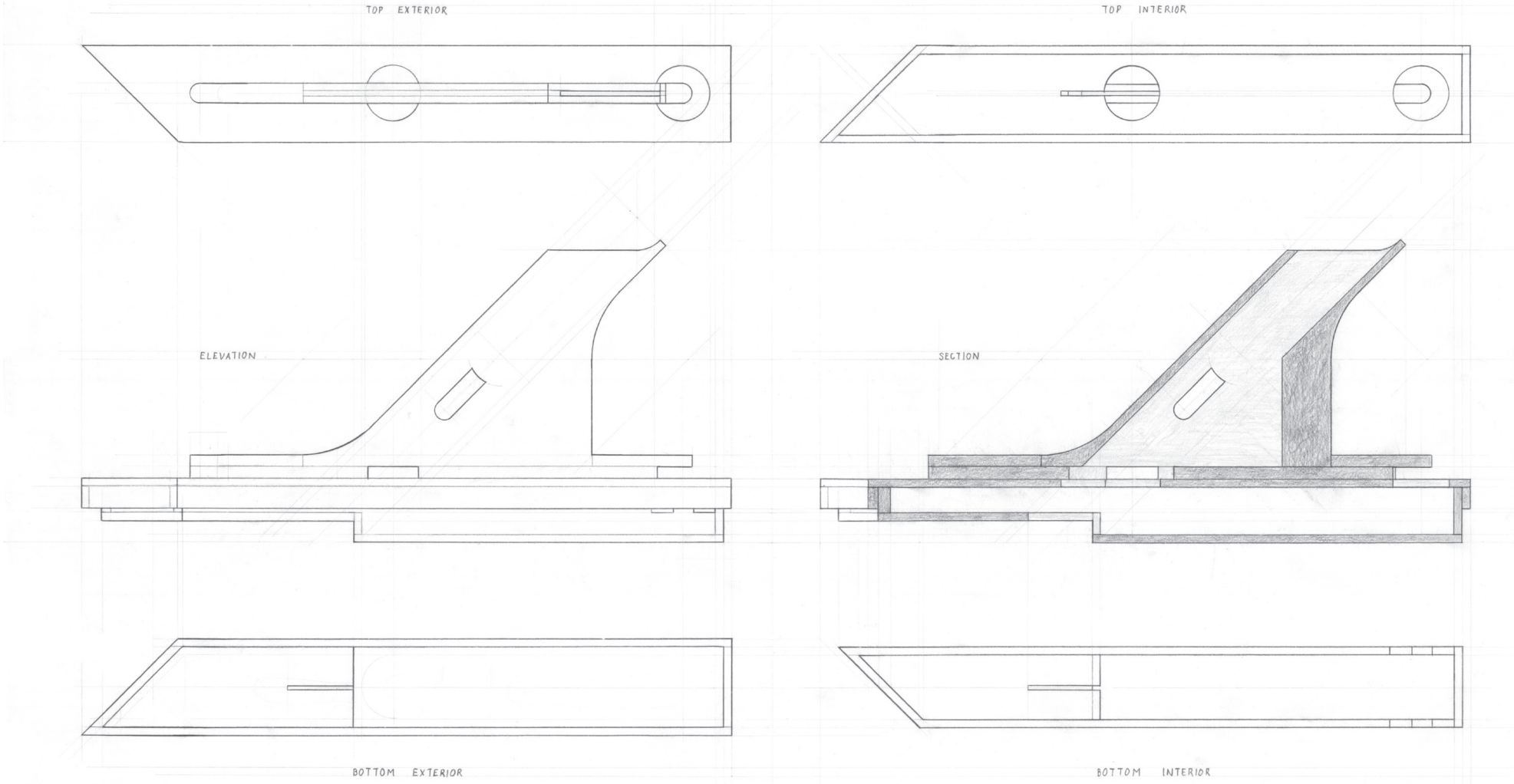




A BOX FOR A BEVEL GAUGE
Fall 2004
First Year Undergraduate Studio

After analyzing the form and motion of the sliding T-bevel, I designed an enclosure capable of holding the tool in three distinct positions.




TOP EXTERIOR
TOP INTERIOR
ELEVATION
SECTION
BOTTOM EXTERIOR
BOTTOM INTERIOR



Employment History

Passero Associates (2022–2023)

I have aided in the schematic design, design development, and construction documentation phases of multiple multifamily projects in North Carolina and New York, including affordable, market rate, and student housing, while working as an **architectural designer** at this multidiscipline firm that blends architecture, civil engineering, structural engineering, and interior design.

UNC Charlotte (2021–2022)

My primary duty as a **teaching assistant** was to lead weekly lab sessions for both graduate and undergraduate architecture students that demonstrate techniques for climate analysis and building performance simulation using Rhino, Grasshopper, Ladybug Tools, and ClimateStudio.

RBA Group (2020)

I developed a Revit plugin for managing curtain wall details on window schedules as an **intern** with this architecture and interior design firm.

Globant (formerly PointSource) (2016–2018)

Not long after joining this digital services agency, I joined and became an integral part of a project for LabCorp, a nationwide provider of clinical laboratory testing. Working as a **senior software engineer** in a multidisciplinary agile team of over two dozen Globant and LabCorp employees, I helped to develop a series of mobile and web applications for patient scheduling and check-in. In addition to my regular programming duties, I closely collaborated with graphic and user experience designers and frequently shared my expertise with junior developers on the team through code reviews and mentorship.

Deja Mi (2013–2016)

I played a critical role in the development of WedPics, the company's flagship app for collecting and sharing wedding photos. As a **senior developer** on the web team, I contributed new features, bug fixes, upgrades, and general maintenance to the app's web interface.

iMi Associates (2010–2013)

I started out with this internet marketing firm as a **web designer** hired to create mockups for the CEO's favorite side project. Over the next few years, I grew to be the company's lead web developer and co-directed the transformation of the company's proprietary search engine optimization (SEO) software package into a publicly-available software-as-a-service offering.



U.S. Census Bureau (2010)

I served as a representative at two questionnaire assistance centers for individuals who required help with their census forms, and later traveled door-to-door as an **enumerator** to conduct interviews with individuals and families who did not mail back their 2010 census questionnaires.

Skookum (2008)

As an **intern** with this web development shop, I participated in the development of a number of web sites and was focused primarily on cross-browser front-end development.

Carlos Moore Architect, PA (2006–2007)

I engaged in a variety of activities as an **intern** to introduce me to the professional practice of architecture, including building physical models, producing digital renderings and presentation posters, developing a site plan for a townhouse complex, and designing a courtyard garden for a local funeral home.

UNC Charlotte (2005–2007)

As an **assistant** in the College of Architecture's print lab, I helped fellow students with the printing of documents, photographs, drawings, and presentation materials, some in excess of ten feet in length. I was in charge of releasing queued print jobs to the appropriate printer or plotter, changing paper, and replacing empty ink and toner cartridges. I also operated the lab's large-format scanner and provided basic printing and software troubleshooting in the adjacent Macintosh lab.

Higher Education

Bachelor of Arts in Architecture

University of North Carolina at Charlotte
Graduated cum laude in May 2019
Minor in software systems

Master of Architecture +
Master of Science in Information Technology

University of North Carolina at Charlotte
Graduated in December 2022
Concentration in human-centered design

Technical Assets

Design Software

AutoCAD, Illustrator, InDesign, Photoshop, Revit, Rhino (incl. Grasshopper), SketchUp, Vectorworks

Programming Languages

Bash, C, C++, CSS, Go, HTML, JavaScript, PHP, Python, Ruby, SQL, SVG, TypeScript, XML

References

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