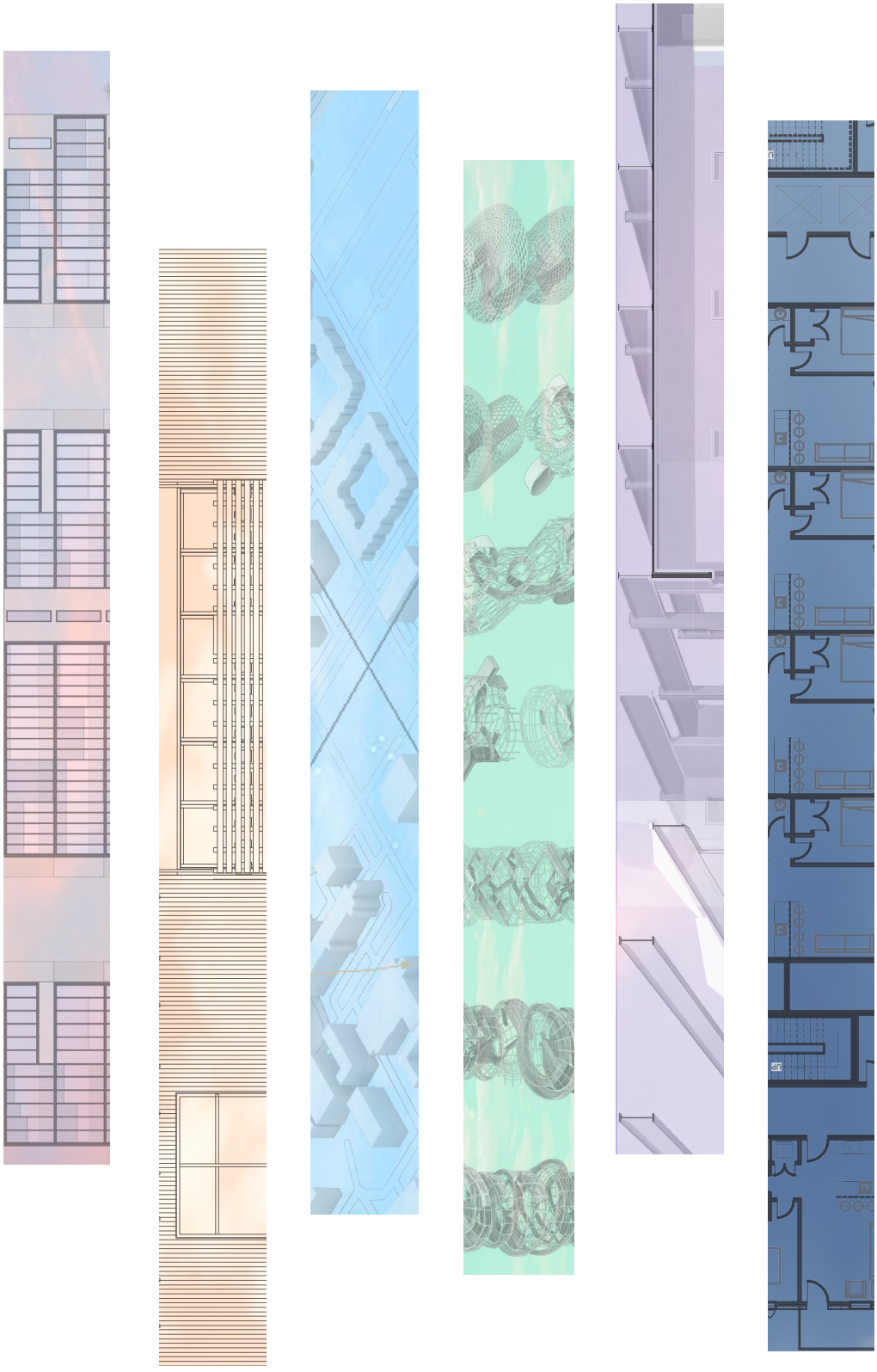
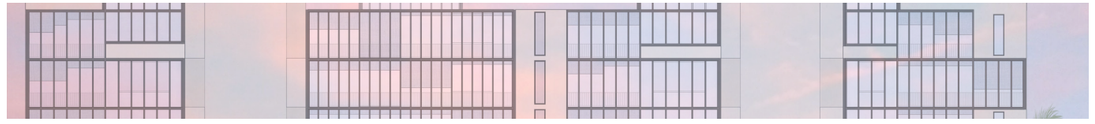


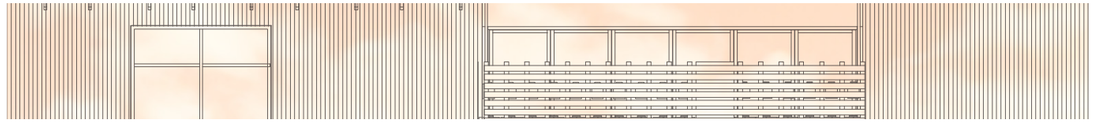
PORTFOLIO

MADELINE LAPOINTE

CONTENTS



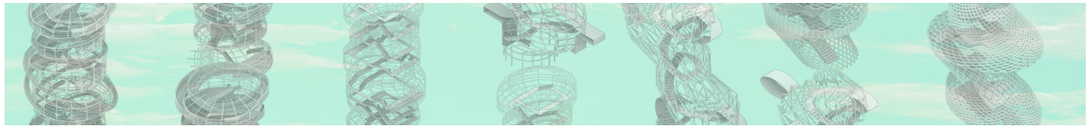
01 Casa de Rejilla



02 SMOOTH House



03 Light Crystal



04 Bamboo Rising



05 Framing

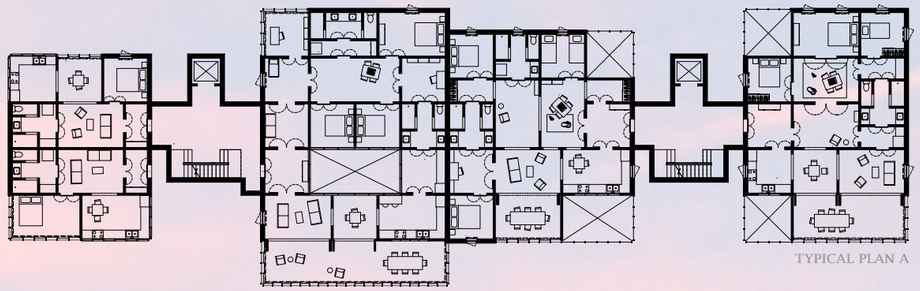


06 St. Mary’s Mixed Use

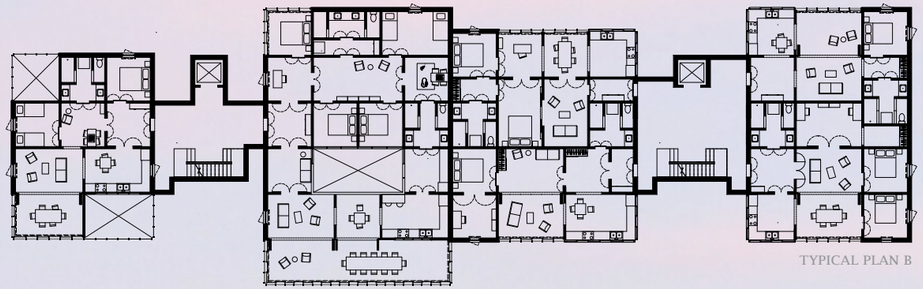
Nestled on the coast of Barcelona, Spain, Casa de Rejilla emerges as a pioneering multifamily housing endeavor. Bridging the traditional grid of Spanish housing and the dynamic urban landscape, this visionary project transcends the ordinary floor plan, immersing itself in the exploration of multi-generational living and the nurturing of aging-in-place concepts. At the core of the design is a sophisticated grid system, meticulously tailored for individual unit adaptability, unleashing a plethora of possibilities within its architectural embrace. Each room undergoes a transformative journey, skillfully catering to diverse family dynamics and their distinctive needs. The exterior unfolds as a seamless fusion of glazing systems, gifting residents with nuanced control over their internal surroundings. Strategically positioned operable windows, orchestrated within the grid, facilitate natural ventilation, complemented by an strategically placed shading device behind the glazing. This deliberate arrangement not only shields against the relentless summer sun but orchestrates a delicate equilibrium between climatic mastery and aesthetic allure.







TYPICAL PLAN A



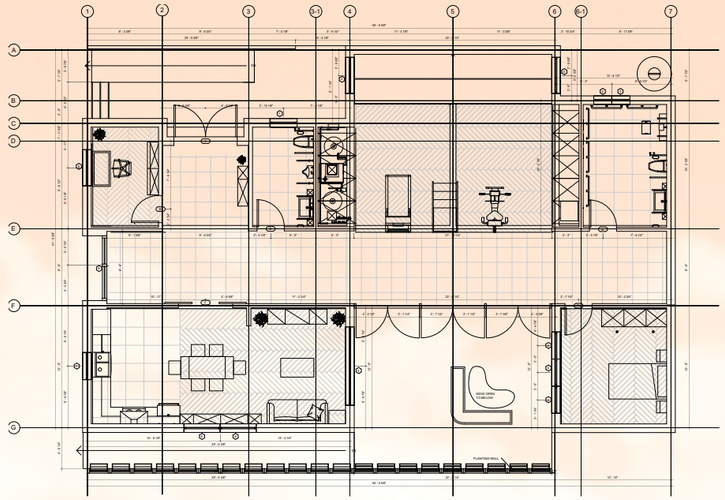
TYPICAL PLAN B



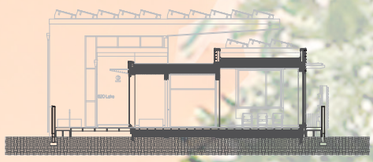


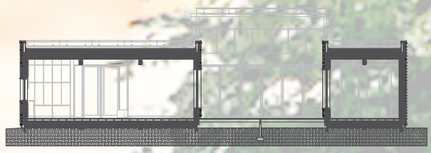
01 Academic Works
Casa de Rejilla

The SMOOTH house was designed in participation of the 2021 Solar Decathlon. As Project Leader in design development, details, and rendering the design focuses on a community-engaged carbon-neutral Occupational Therapy (OT) clinic office for the low-income population of St. Louis. The project is designed to promote local engagement by investing in a community of need and promoting interdisciplinary research in Design for human health.. The solar home is designed as a safe space for recovery while prioritizing maximum efficiency in recovery and cost through implementing accessible, adaptable, and assistive architecture, that is fully rooted in evidence-based rehabilitative techniques.



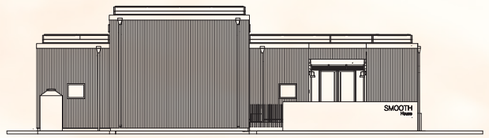
GROUND LEVEL







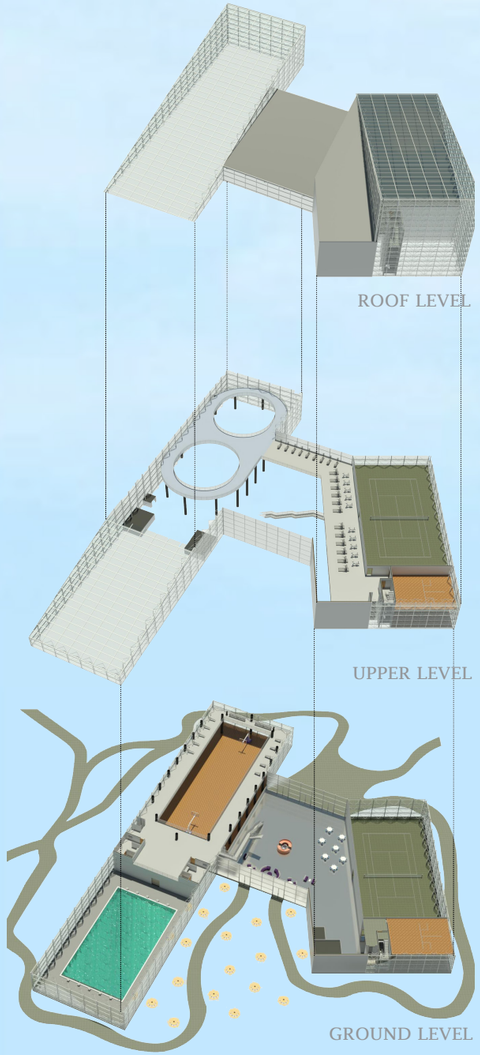


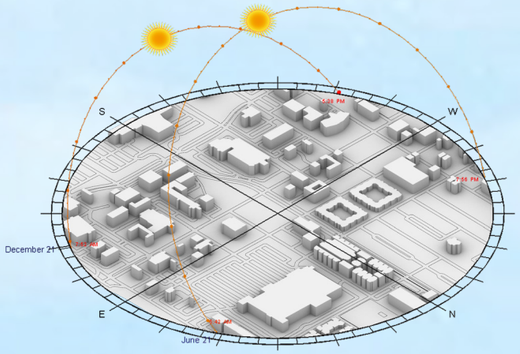


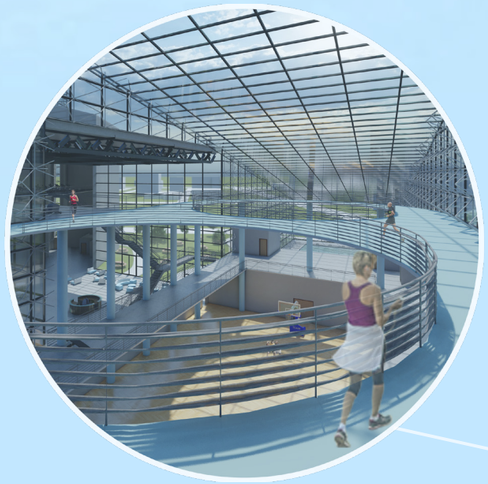
NORTH ELEVATION

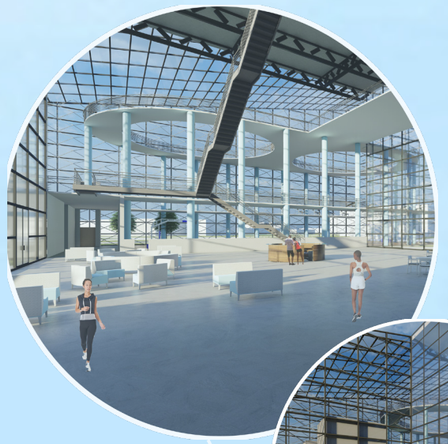


SOUTH ELEVATION





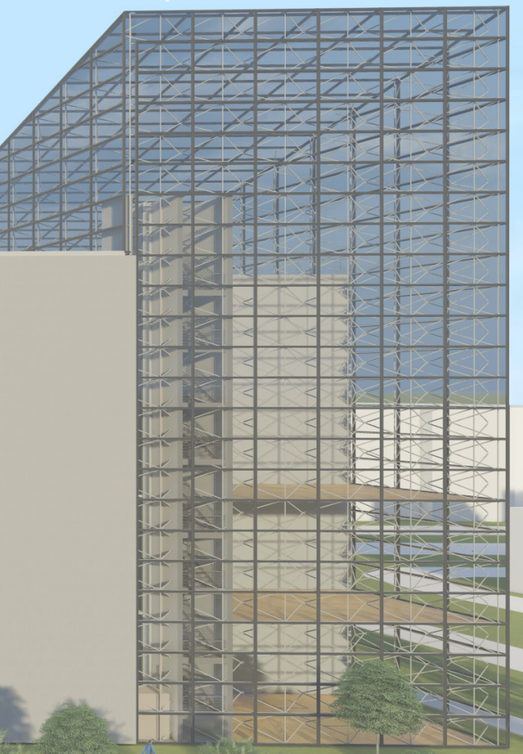


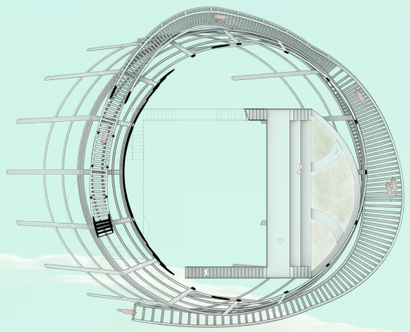




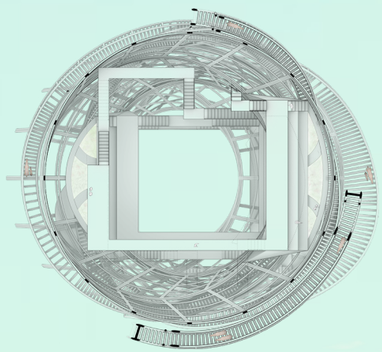


The design of the Downtown Lubbock Athletic Center prioritizes an abundance of natural light in every area, ensuring a pleasant environment for all center members. This objective was realized by integrating generous voids within the facility and strategically arranging program spaces. This design approach not only ensures well-lit areas for activities that demand it but also optimizes the use of programmed space to leave ample amounts of community space within the site. Additionally, the center is thoughtfully situated in harmony with the downtown surroundings through strategically positioning the building along the main avenues to facilitate easy access, harmonize with the neighboring landscape, and radiate transparency, offering a warm welcome to all Lubbock residents.

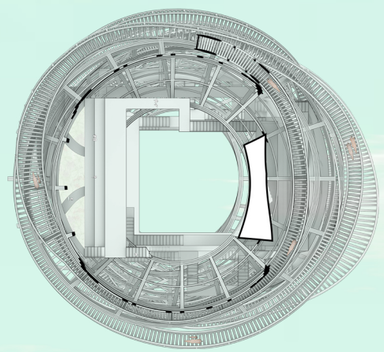




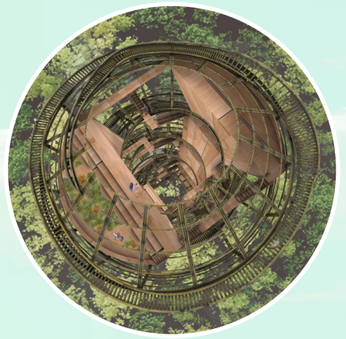
GROUND LEVEL



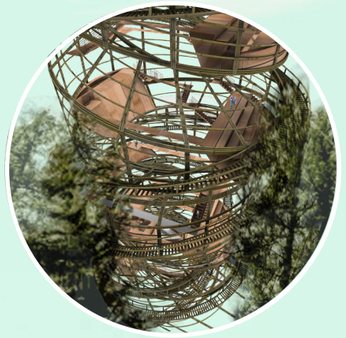
LEVEL 2

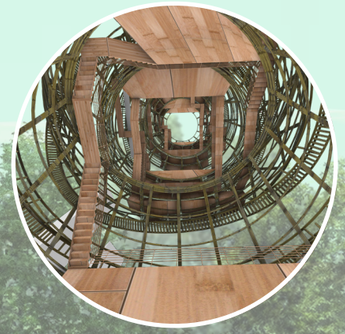


LEVEL 3

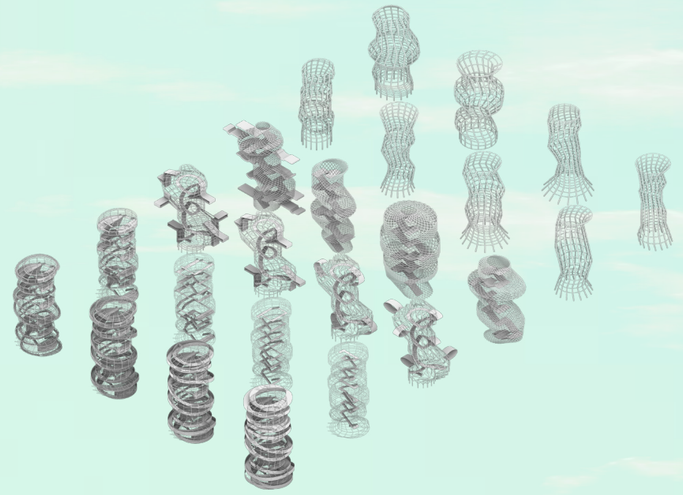








Bamboo Rising establishes a haven for endangered native Southeast Asian species, including the pangolin, blue-rumped parrot, star-fruit tree, and Singapore daisy, right in the heart of the urban city-state of Singapore. This intricate bamboo structure is purposefully designed to gracefully emerge from the urban landscape while seamlessly harmonizing with the lush, densely forested site it occupies. This oasis cultivates a delicate web of symbiotic relationships among these selected species, all the while proposing a novel ecosystem that fosters the well-being and conservation of these endangered inhabitants. Furthermore, the design is deeply committed to its integration within Singapore's urban fabric, promoting a profound biophilic connection between humans and the natural world.

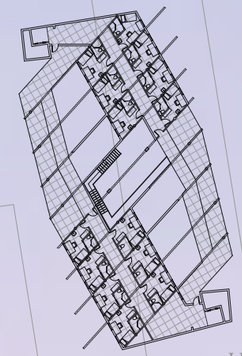




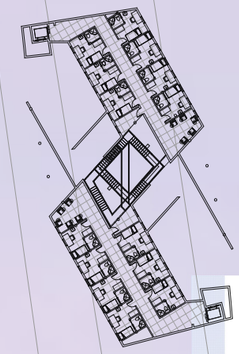


SECTION AA

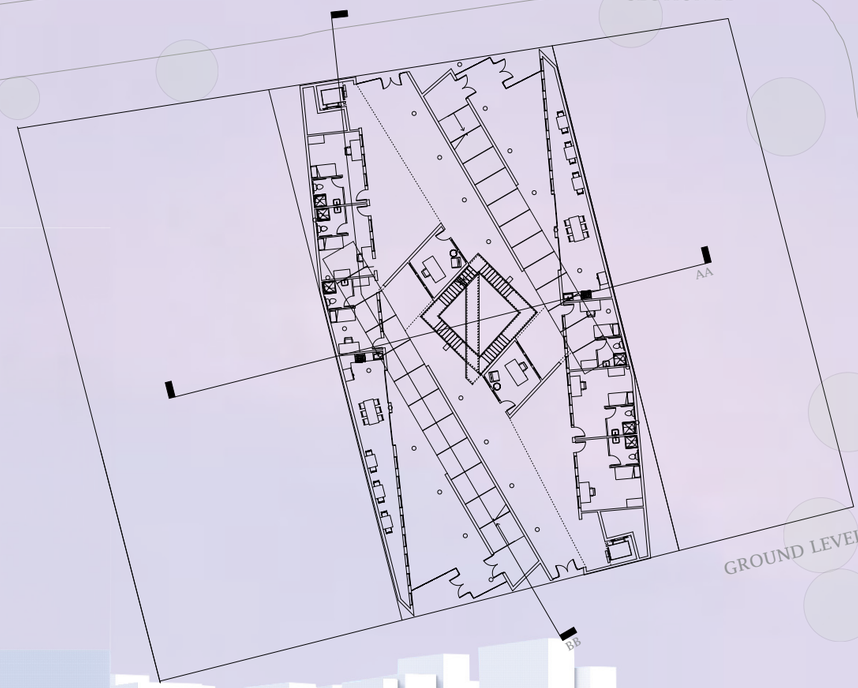
SECTION BB

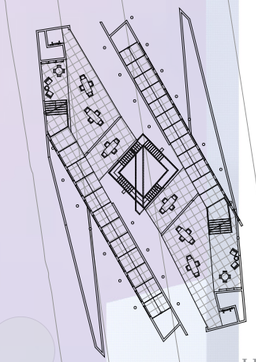


LEVEL 4



LEVEL 3

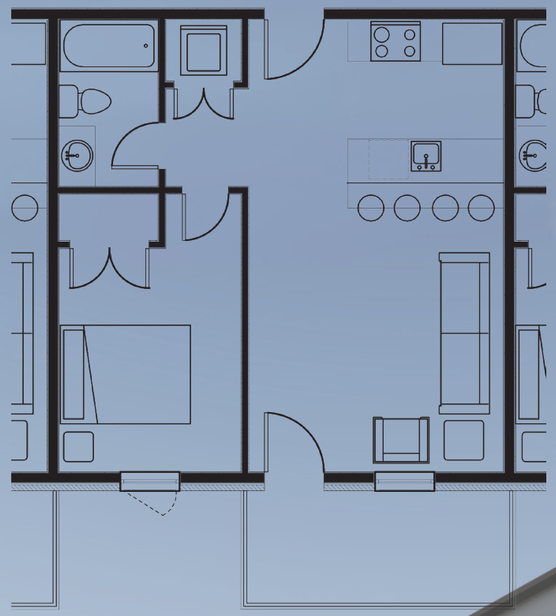




LEVEL 2

The student dormitory situated on the El Paso, Texas border delves into the exploration of solar angles, using them as a guiding framework to sculpt its distinctive form, resulting in a dynamic interplay of interior and exterior spaces for student residents. The extruded grid lines meticulously shape a systematic design that not only frames the play of sunlight but also captures the essence of the city and the panoramas of the surrounding urban landscape. In addition to its architectural innovation, this project serves as a poignant embodiment of the cultural, political, economic, and psychological divisions inherent to border cities. It offers a vital communal space where students of diverse cultures and backgrounds can coexist harmoniously, fostering connections and shared learning experiences. Throughout the dormitory, numerous common areas are thoughtfully integrated, facilitating social interaction and cross-cultural enrichment among its residents.







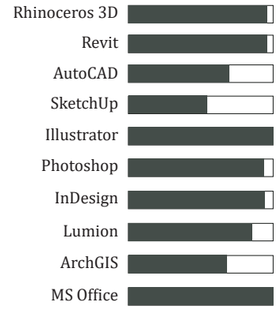
This project design was meticulously crafted within a mere sixteen-hour timeframe, a collaborative effort between my partner, Caleb Randall, and myself. It was conceived as a tribute to the enduring legacy of stewardship that St. Mary's Church has upheld over the decades, and as a thoughtful response to the evolving needs of the San Antonio, Texas community and the promising future of downtown revitalization. Our proposal envisions a versatile mixed-use facility, seamlessly blending the best of retail and flex spaces on both the ground and top floors, while concurrently offering an array of affordable housing options, including market-rate apartment units.

RESUME

MADELINE LAPOINTE

414.573.7398
madeline.lapointe3@gmail.com

Skills



Awards/Fellowship

Forte Fellow, WashU
August 2022 - Present

Walter B. Kromm Fellowship, WashU
August 2022 - Present

WashU First Scholarship, WashU
August 2020 - Present

Highest GPA of Graduating Class, TTU
December 2020

TEXO Region V Student Competition,
2nd Place
February 2020

TEXO Region V Student Competition,
3rd Place
February 2019

Presidents List, TTU
December 2017 - December 2020

Deans List, TTU
December 2017 - December 2020

Charles L. Birdwell Memorial Scholarship, TTU
August 2019 - December 2020

AIA Scholarship, TTU
August 2019 - December 2020

Presidential Scholarship, TTU
August 2017 - December 2020

Involvement

Graduate Architecture Council, WashU
Co-President, May 2023 - Present
VP of Finance, May 2022 - May 2023

Stages St. Louis Consulting Project, WashU
Team Lead, December 2023 - May 2023

CoA Student Union, TTU
Co-Founder, January 2020 - December 2020

Olin Wine Club, WashU
Board Member, May 2023 - Present

AIAS
Member, September 2017 - Present

Tau Sigma Delta, TTU
Member, April 2020 - December 2020

Design Build Team, TTU
Member, January 2019 - December 2020

CROP Architecture Publication, TTU
Member, September 2018 - December 2020

Education

Washington University in St. Louis, Sam Fox School of Design, St. Louis, MO
Master of Architecture
Expected Graduate of May 2024

Washington University in St. Louis, Olin Business School, St. Louis, MO
Master of Business Administration
Expected Graduate of May 2024

Texas Tech University, College of Architecture, Lubbock, TX
Bachelors of Science in Architecture
Graduate of December 2020
Summa Cum Laude
GPA: 3.99

Professional Experience

Center For Experiential Learning, St. Louis, MO, *Fellow*
August 2023 - Present
- Provide coaching and operational oversight to project consulting teams
- Coordinate project development and deliver high level guidance for project success
- Develop relationships with current and potential consulting partners to improve quality and consistency of outcomes and impact
- Advance mission of innovative learning for teams and deliver impact within the community

Tonti Properties, Dallas, TX, *Development and Acquisitions Intern*
May 2023 - August 2023
- Coordinate schematic design and inspiration planning for new development
- Analyze existing market conditions, unit mix, property amenities and features, rental rates, and operational expenses at given properties
- Perform initial underwriting and due diligence efforts for potential acquisition and development opportunities
- Conduct market research, demographic studies, apartment database reviews, and competitive analysis

Axi:Ome, St. Louis, MO, *Design Intern*
August 2022 - Present
- Assist in project-management tasks to meet budget and project guidelines
- Coordinate design specifications to meet clients needs
- Analyze ecological and cultural data to manage project specifications
- Work closely with lead architect to design commercial structures

SK Architecture, Lubbock, TX, *Architectural Designer*
August 2020 - August 2022
- Met with clients, contractors, and other stakeholders to ensure projects ran on time and within budget
- Assist in direction of project planning, client coordination and establishing critical project objectives
- Develop and deliver presentation to clients for design development
- Prepare full sets of drawings and specifications for residential and commercial bids according to client specification
- Promoted from intern to full-time architectural designer

Research Assistant, Lubbock, TX, *Assistant*
December 2019 - December 2020
- Research and analyze atmospheric data through complex techniques and diagramming
- Schedule, organize and report on status of research activities
- Generate visualization tools for data-driven aesthetics
- Interpret, synthesize and analyze site based atmosphere data

Studio EL73, Wylie, TX, *Intern*
June 2017 - August 2023
- Conduct reports on project progress for supervisor and client meetings
- Communicate and work closely with licensed architect to meet project objectives
- Produce drawings from schematic designs