

ARCHITECTURE PORTFOLIO

RYAN HAIGHT



RYAN HAIGHT

EDUCATION

Master of Architecture, Expected May 2025

The University of Kansas, Lawrence, KS

- GPA 3.97 / Honor Roll, Fall 2020 - Spring 2024

WORK EXPERIENCE

Architectural Intern, May 2024 - December 2024

Populous, Kansas City, MO

- Collaborated on various stages of the schematic design process for sports facilities
- Gathered and analyzed data from existing training facilities to develop a comprehensive benchmarking dashboard in Power BI, aiding data-driven decision-making.
- Facilitated client user group meetings alongside the project team
- Designed plan layouts and developed programs for new projects and renovations
- Participated in workplace community initiatives

Architectural Intern, Summer 2022, Winter 2022, Summer 2023

HTK Architects, Topeka, KS

- Worked on multiple different projects including K-12, Civic, Judicial, and Corporate building types.
- Collaborated with multiple architects about structural concerns and aesthetics
- Modeled existing buildings in Revit from current 2d drawings
- Worked to produce accurate construction documents in Revit
- Involved in the workplace events

REFERENCES

Surge Troost, Senior Associate

Populous

surgene.troost@populous.com

Elizabeth Johnson, Principal

HTK Architects

(785) 266-5373 ext. 220 | ekj@htkarchitects.com

Gustavo Amaral, Professor

University of Kansas, School of Architecture & Design

gustavo.amaral@ku.edu



TECHNICAL SKILLS

- **SketchUp**
- **Autodesk Revit**
- **Lumion**
- **Adobe Cloud**
- **Power BI**
- **Enscape**
- **Rhino**
- **Bluebeam Revu**
- **Microsoft Office**

SOFT SKILLS

- **Creativity**
- **Problem-solving**
- **Communication**
- **Motivated**
- **Attention to Detail**
- **Leadership**
- **Teamwork**
- **Adaptability**

CONTENTS

01 THE CASCADES

MIXED-USE AND RESIDENTIAL APARTMENTS

02 TURIN SCHOOL OF INNOVATION

SCHOOL FOR THE FUTURE

03 PINNACLE PERFORMING ARTS

EXPERIMENTAL PERFORMING ARTS CENTER

04 STUDY ABROAD

ARCHITECTURE IN EUROPE

05 EXPLORATIONS

SKETCHING AND PHOTOGRAPHY

01 THE CASCADES

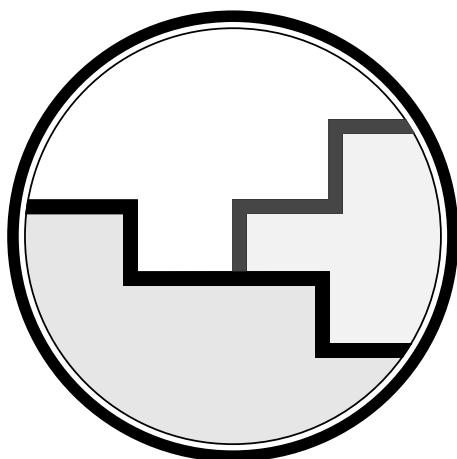
YEAR: Fall 2023

COURSE: Arch 608

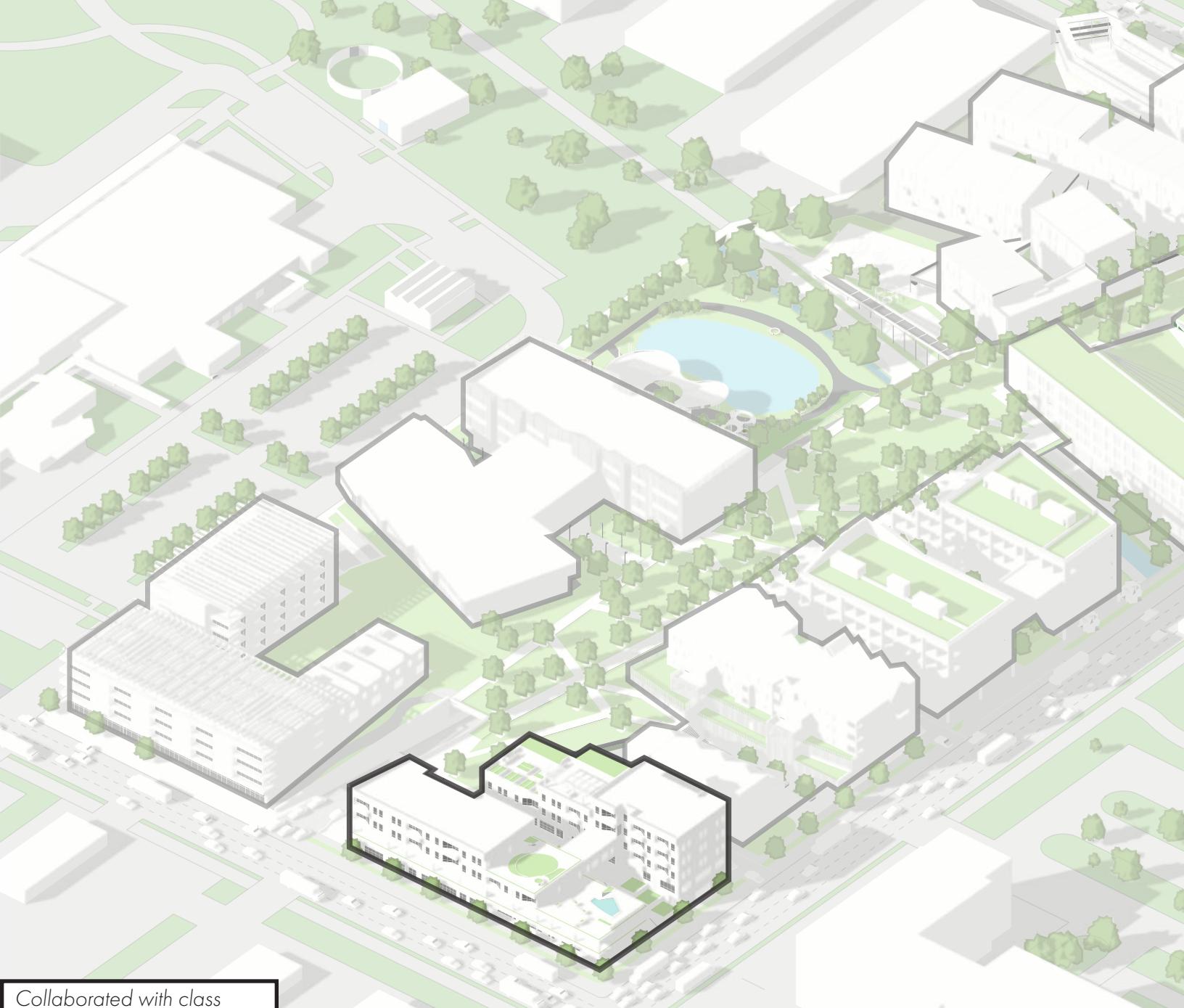
SOFTWARE: SketchUp, Lumion

PROFESSOR: Eddy Tavio

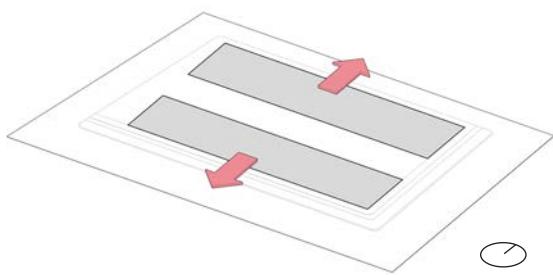
The Cascades is a visionary mixed-use apartment building situated just outside of downtown Bentonville, Arkansas. Rising five stories, this architectural structure addresses the pressing need for diverse housing options in the growing urban landscape of Bentonville, aiming to bridge the gap in the "missing middle" housing segment. Providing a mix of one, two, and three-bedroom residences, the development also seamlessly incorporates a market, a restaurant with a mini-golf bar, and numerous retail spaces, which work to form a lively community hub within Site 1. The contemporary outer facade showcases a harmonious blend of white metal paneling, grey corrugated metal, and powder-coated aluminum with a wood-like finish. Prioritizing sustainability, the building's interior is constructed with mass timber. Residents benefit from an array of amenities, including communal areas and rooftop gardens, enhancing the overall quality of urban living. This innovative project not only provides diverse housing solutions but also positively impacts Bentonville's evolving urban fabric.





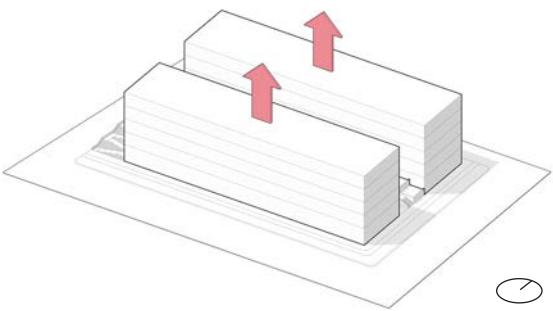


01: Divide



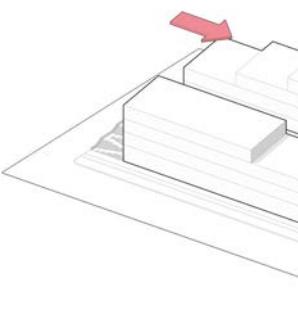
The Building is cut in half which allows for access from both J Street and 8th Street to the elevated green-way above.

02: Extrude



Both buildings are extruded 4 and 5 stories respectively to ensure both views out of the unit and natural daylighting to seep into the space.

03: Cascade



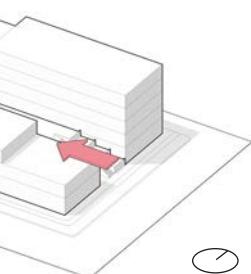
Each building cascades in different directions in order to ensure natural daylighting and potential views.



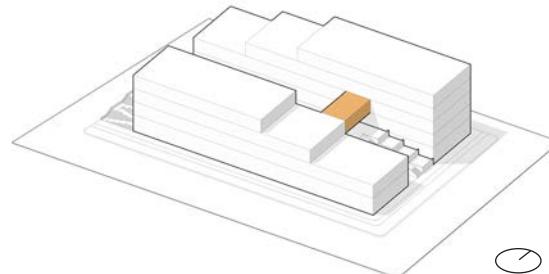
SITE CONTEXT

Surrounding the central green space, seven strategically positioned buildings seamlessly open onto the elevated greenway, blending urban and natural environments. The Cascades building, prominently located in the southeast corner, serves as the dynamic entertainment hub. With its innovative design at the intersection of J and 8th Street, the Cascades energizes the corner, offering a mix of cultural, recreational, and social activities. This landmark seamlessly integrates with the urban landscape, symbolizing the city's commitment to vibrant, inclusive living. By day or night, the Cascades building illuminates the intersection, creating a lively atmosphere and making Bentonville's urban plan a testament to sustainable, engaging urban living.

04: Connect

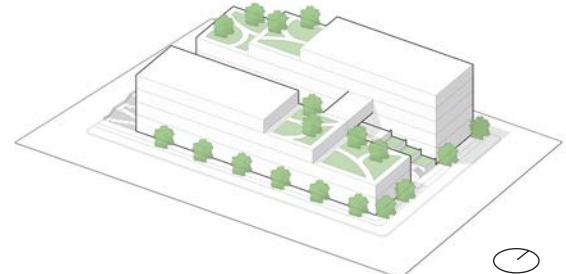


Cascades in opposite directions to maximize on natural and residential viewpoints.



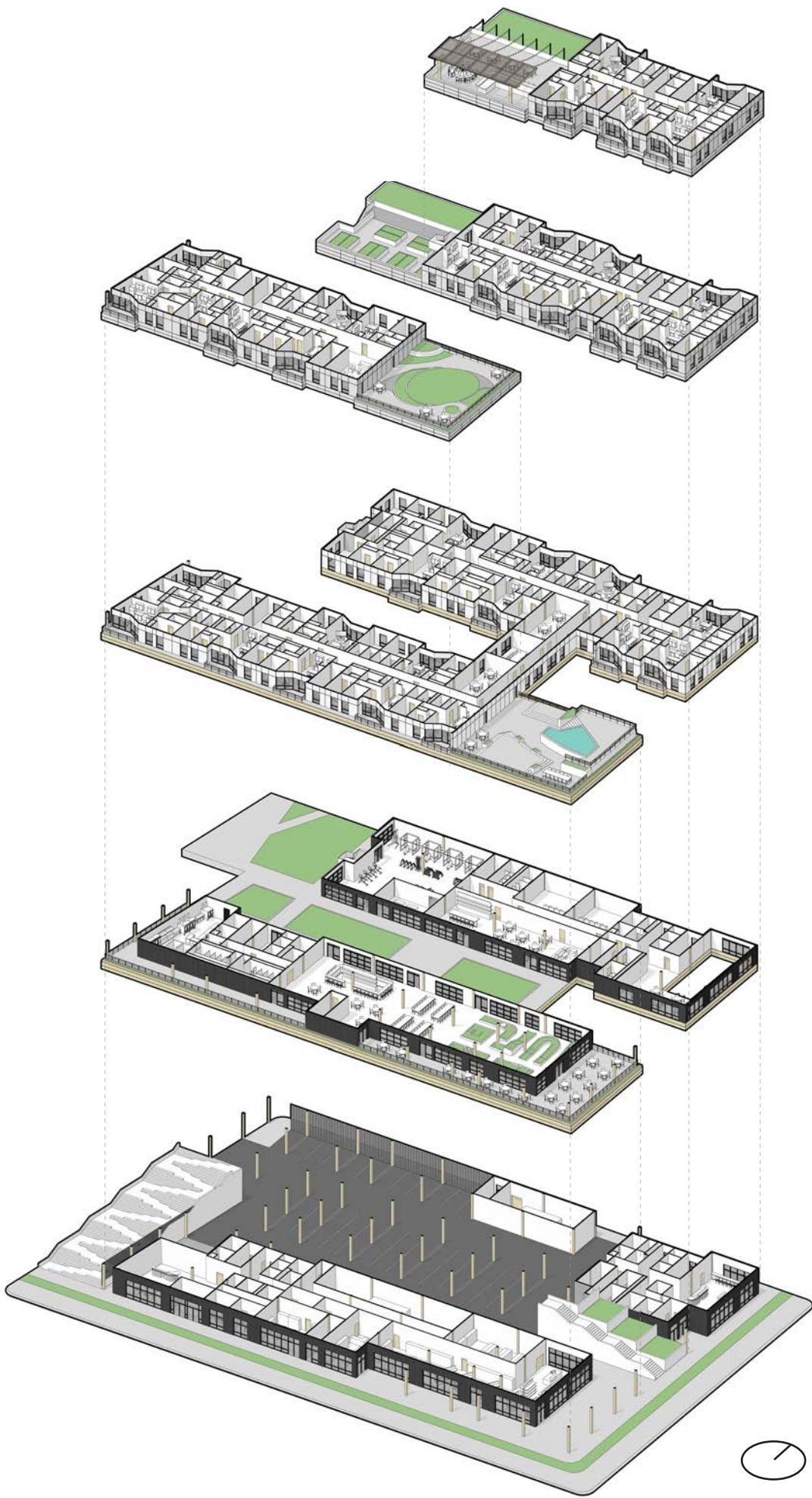
Both buildings are connected by a bridge on the third floor that is used for both workspaces and circulation.

05: Landscape

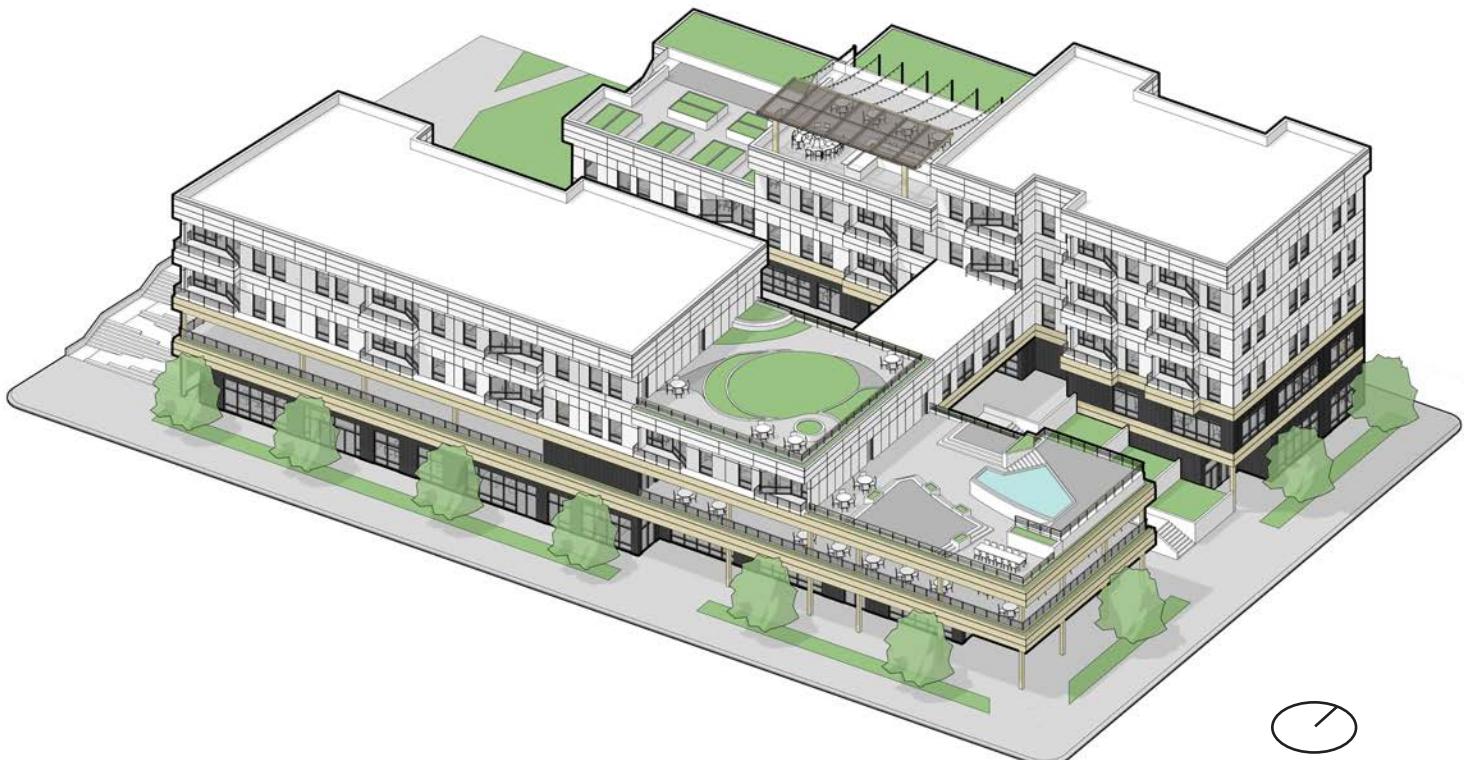


Nearly all the roofs are accessible green spaces that are xeriscaped and offer numerous amenities exclusive to the residential families.

PRIVATE



Nestled in the heart of Bentonville, Arkansas, The Cascades stands as a distinctive five-story building that harmoniously blends urban functionality with residential tranquility. The architectural finesse of this structure is evident in its well-thought-out design, featuring two dynamic floors dedicated to mixed-use activities and a serene three-story residential haven above. The building's exterior gracefully communicates this division, with the lower two floors adorned in a sleek grey corrugated metal facade, while the upper three floors exude a timeless elegance with a crisp white metal panel exterior. This intentional organization not only lends The Cascades a striking visual identity but also fosters a clear distinction between public engagement and private living. As one ascends, the atmosphere subtly shifts, offering a quieter and more peaceful retreat on the residential levels, embracing the concept of tranquility within the architectural framework. The Cascades stands as a testament to thoughtful design, providing a harmonious space where urban vibrancy meets residential serenity.





The Cascades boasts a unique design, cascading in opposite directions to optimize daylight and panoramic views for each unit. The clever arrangement not only bathes the interiors in natural light but strategically shades the central space during the intensity of midday sun. The thoughtfully chosen materials contribute to the building's aesthetic prowess. The grey corrugated metal on the lower floors signifies the dynamic mixed-use areas, while the upper three floors, adorned in white metal paneling, emphasize the serene residential spaces above. Notably,



the second floor is outlined with a powder-coated metal resembling wood, setting the stage for the primary mixed-use program: a 24/7 mini-golf bar and restaurant. The Cascades stands as a testament to innovative design, seamlessly blending function, aesthetics, and a harmonious interplay with the surrounding environment.



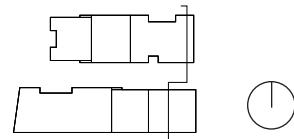
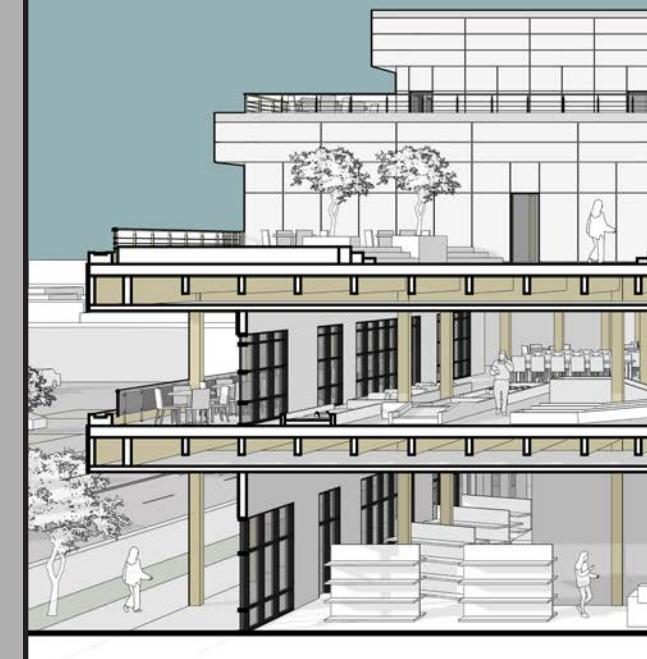
Rooftop Bar



North Lobby

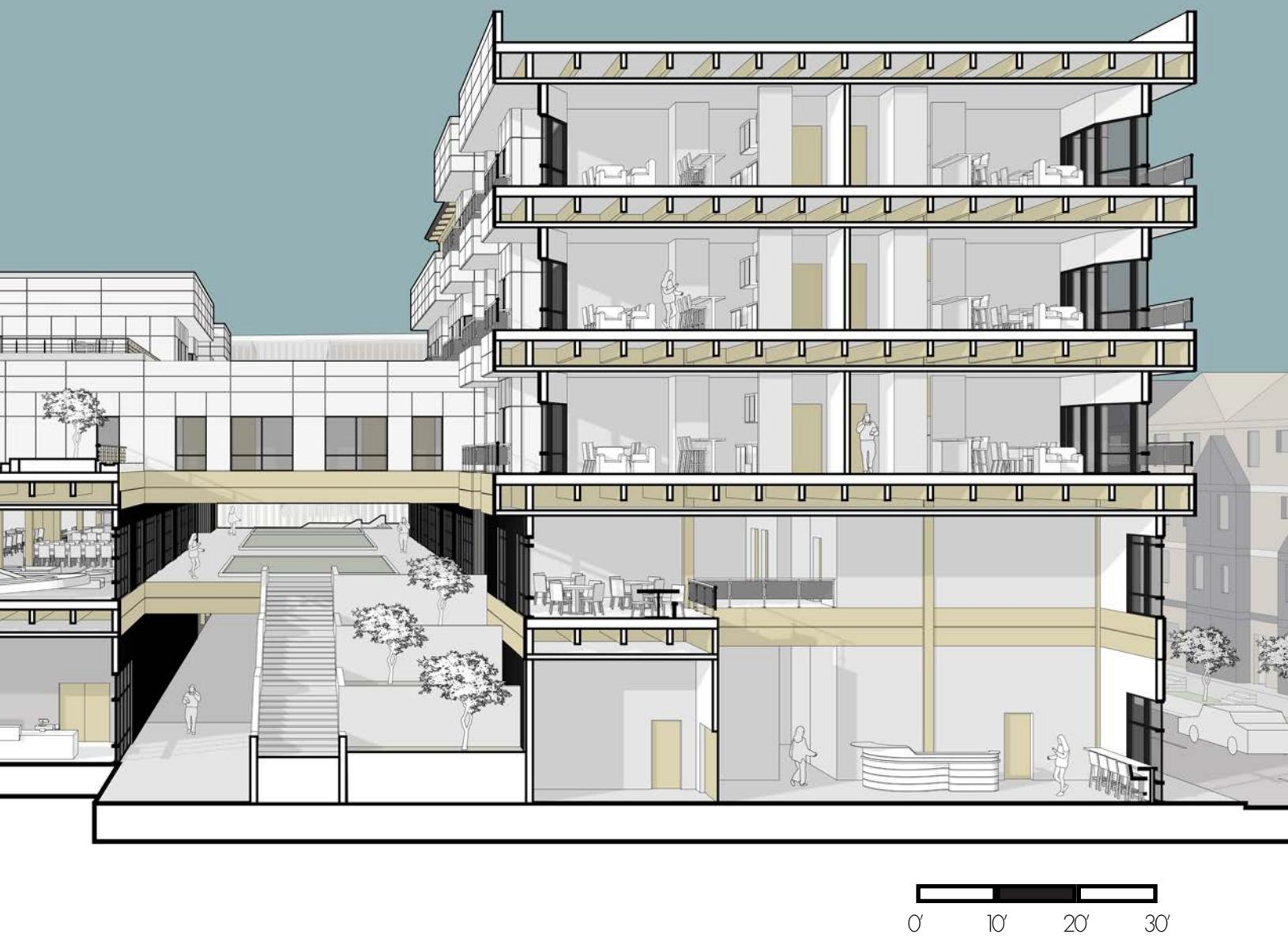


Typical Unit



DESIGN OVERVIEW

Prominently situated at the corner of 8th and 15th Streets, The Cascades is an urban hub seamlessly integrated into its surrounding environment. The building's vibrant streetscape and the elevated green roof create a unique identity that sets the stage for the building's diverse offerings. The building's design follows a clear vertical hierarchy, transitioning from a ground floor with a mix of retail and communal spaces, through three levels of office and residential units, and finally to a penthouse level with a private terrace. The building's unique shape and color palette, featuring a mix of grey, green, and white, create a distinctive presence in the city skyline. The building's design emphasizes a sense of community and connectivity, with a focus on creating a vibrant and welcoming public space that encourages interaction and engagement. The building's design also takes into account the surrounding environment, with a focus on sustainable and energy-efficient practices. The building's design is a testament to the building's commitment to creating a high-quality, sustainable, and vibrant urban hub.



EW

and J Street in Bentonville, Arkansas, The Cascades emerges as a dynamic surroundings. This five-story marvel invites the community to explore both its greenway. The first level, dedicated to parking and featuring an inviting market, offerings. As occupants ascend to Level 2, they encounter an array of lounges including mini-golf bar, fostering a sense of community and entertainment. The residential spaces, with the third floor offering a mix of 2-bedroom and 3-bedroom exclusively housing 1-bedroom apartments. By activating the corner with mixed-use parking, The Cascades not only enhances the streetscape but also encourages upper levels and the expansive greenway—a testament to its commitment to environment.





02

TURIN SCHOOL OF INNOVATION

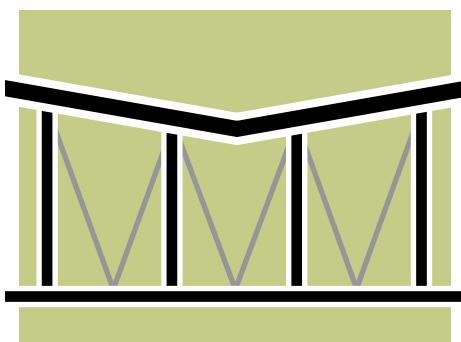
YEAR: Spring 2024

COURSE: Arch 609

SOFTWARE: Revit, SketchUp, Lumion

PROFESSOR: Francesco Carota

Located in Turin's Barriera di Milano district, a newly constructed middle school shines as a symbol of contemporary education and community inclusion. Crafted with meticulous attention to detail, it seamlessly integrates into the bustling urban landscape while serving as a vibrant center for students and local residents alike. Through a thoughtful allocation of public and private spaces, the school provides enriching opportunities for both learning and community engagement. From cutting-edge academic facilities to recreational areas and communal events, it fosters a sense of unity and belonging, echoing the district's diverse cultural heritage and dynamic spirit. Positioned along Via Santhia, the school strategically opens towards the west, ensuring accessibility for students arriving from the nearby streetcar station. Additionally, its southern orientation offers access to expansive recreation fields, catering to both students and the broader community with a diverse range of activities and opportunities for social interaction. In essence, the school stands as a beacon of hope and progress, embodying the transformative power of education and collective action for generations to come.

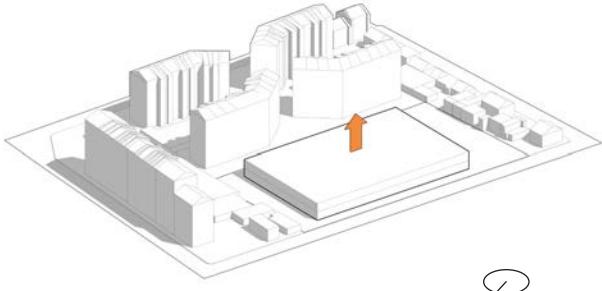


*Completed in partnership with Halle Emrich

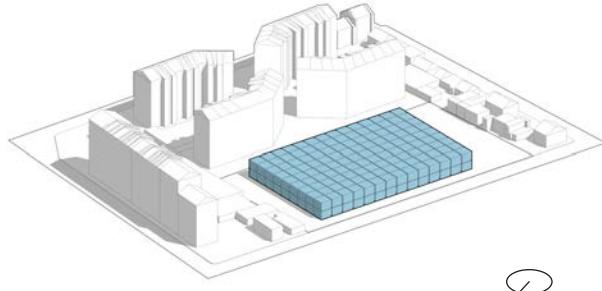




01: Extrude



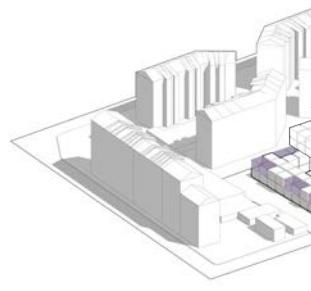
02: Divide



The Building is raised to accommodate two stories, both with a 14' floor to floor height. This allows for ample space in the classrooms without going over the 33' height restriction.

The mass is then divided into a 20' by 20' grid. This organization is replicated on both floors and directly corresponds to the columns, courtyards, and most of the interior rooms.

03: Subtract



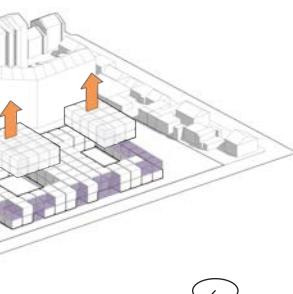
The grid is exploded into courtyards: one for landscaping. Meanwhile, boxes are subtracted to create light and outdoor access.



URBAN INTEGRATION

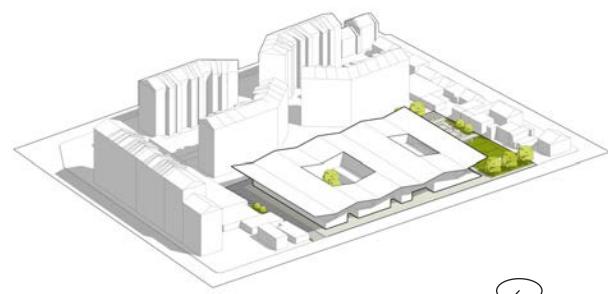
The Turin School of Innovation has been designed to comply with local zoning regulations dictating that the building cannot occupy more than 50% of the site, the school strategically utilizes only 45%, leaving room for a central courtyard and recreational fields on the south end. This approach not only adheres to regulations but also enhances the school's functionality and aesthetic appeal. The courtyard serves as a tranquil hub for outdoor activities and gatherings, fostering a sense of connection and relaxation for students and staff alike, while the planned recreational fields offer opportunities for physical activity and community engagement. Amidst this spatial organization, the building is strategically positioned to maximize natural light and ventilation, ensuring a conducive environment for learning and growth. From classrooms to communal areas, each space is arranged to promote collaboration and creativity. In essence, this new middle school in Turin represents a harmonious blend of architectural innovation, educational excellence, and community engagement, setting a precedent for sustainable and inclusive design in the urban landscape.

04: Roof



A roof is placed on top of the building and cantilevers on all sides. The roof is slanted to maximize solar radiation hours as well as provide coverage from the harsh summer sun.

05: Landscape

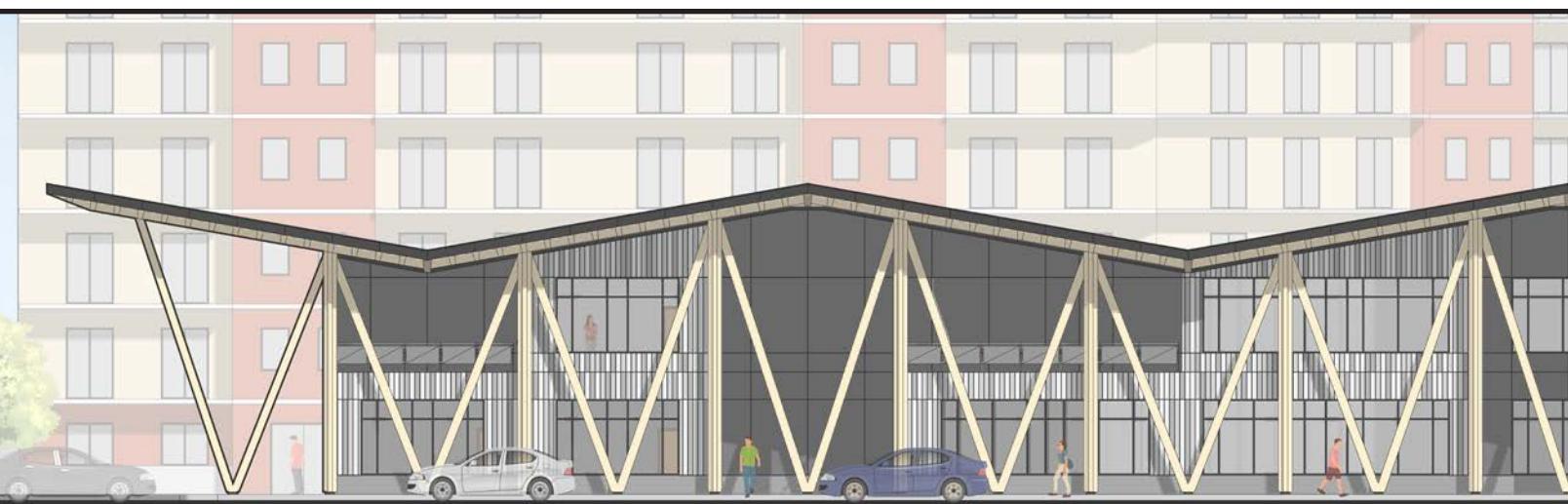
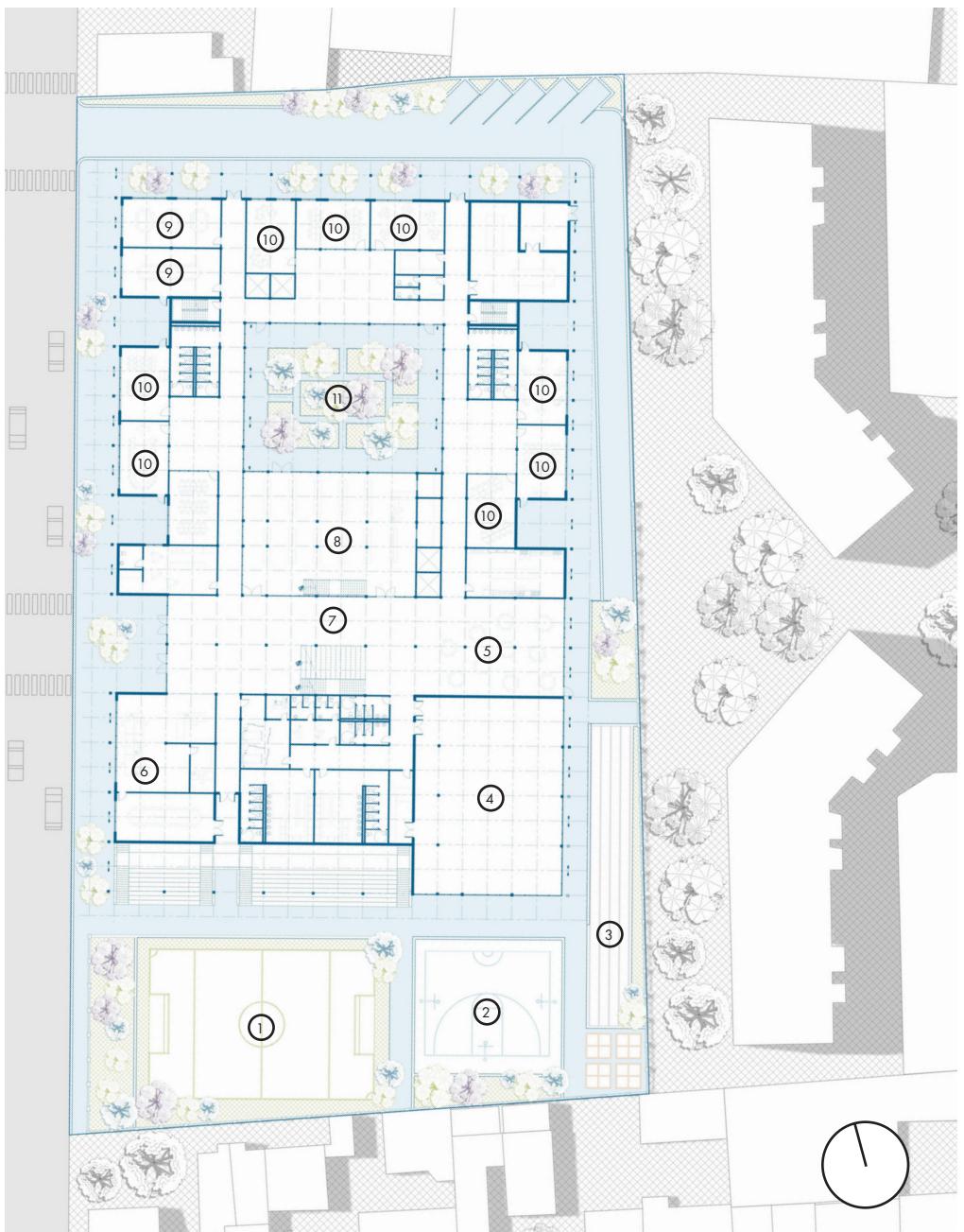


The courtyards have been planned to provide informal outdoor learning spaces and meeting areas. Meanwhile, the southern end features numerous recreational opportunities.

ded to create two
light and one for
nwhile 20' by 20'
ed to ensure natural
cess.

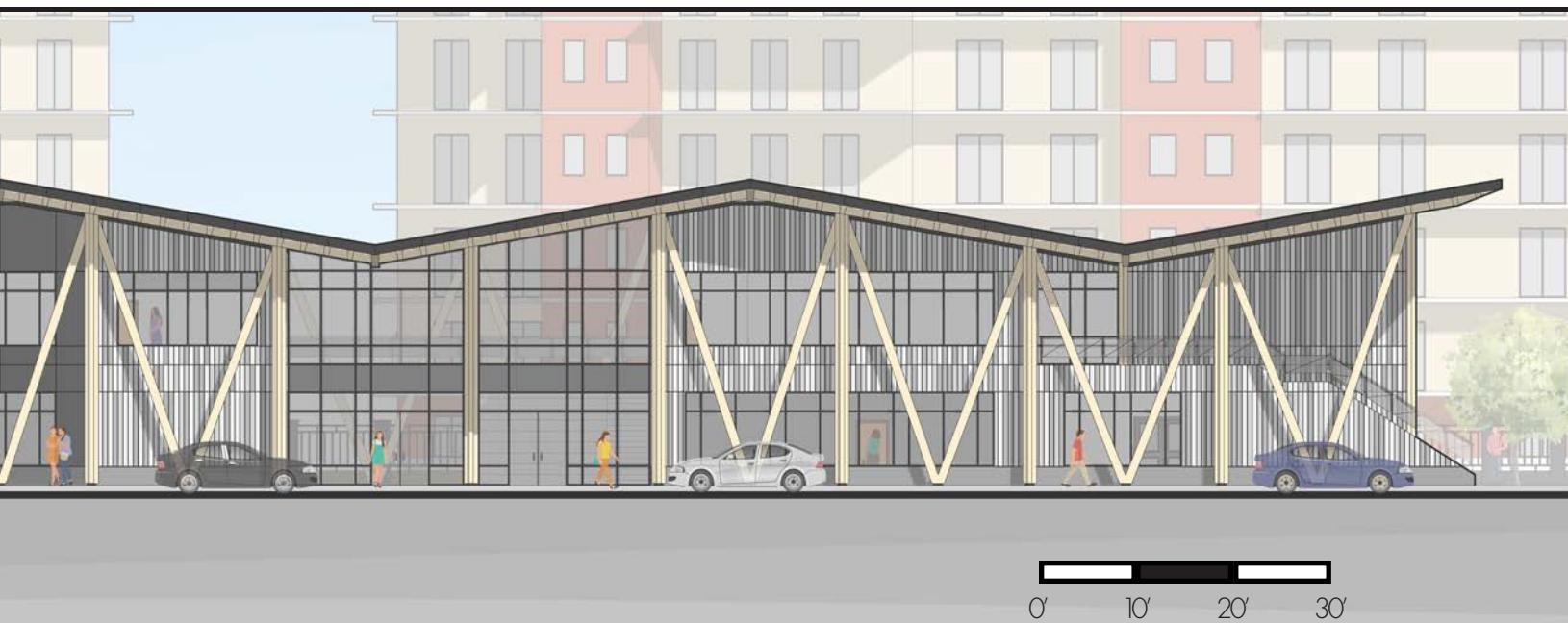
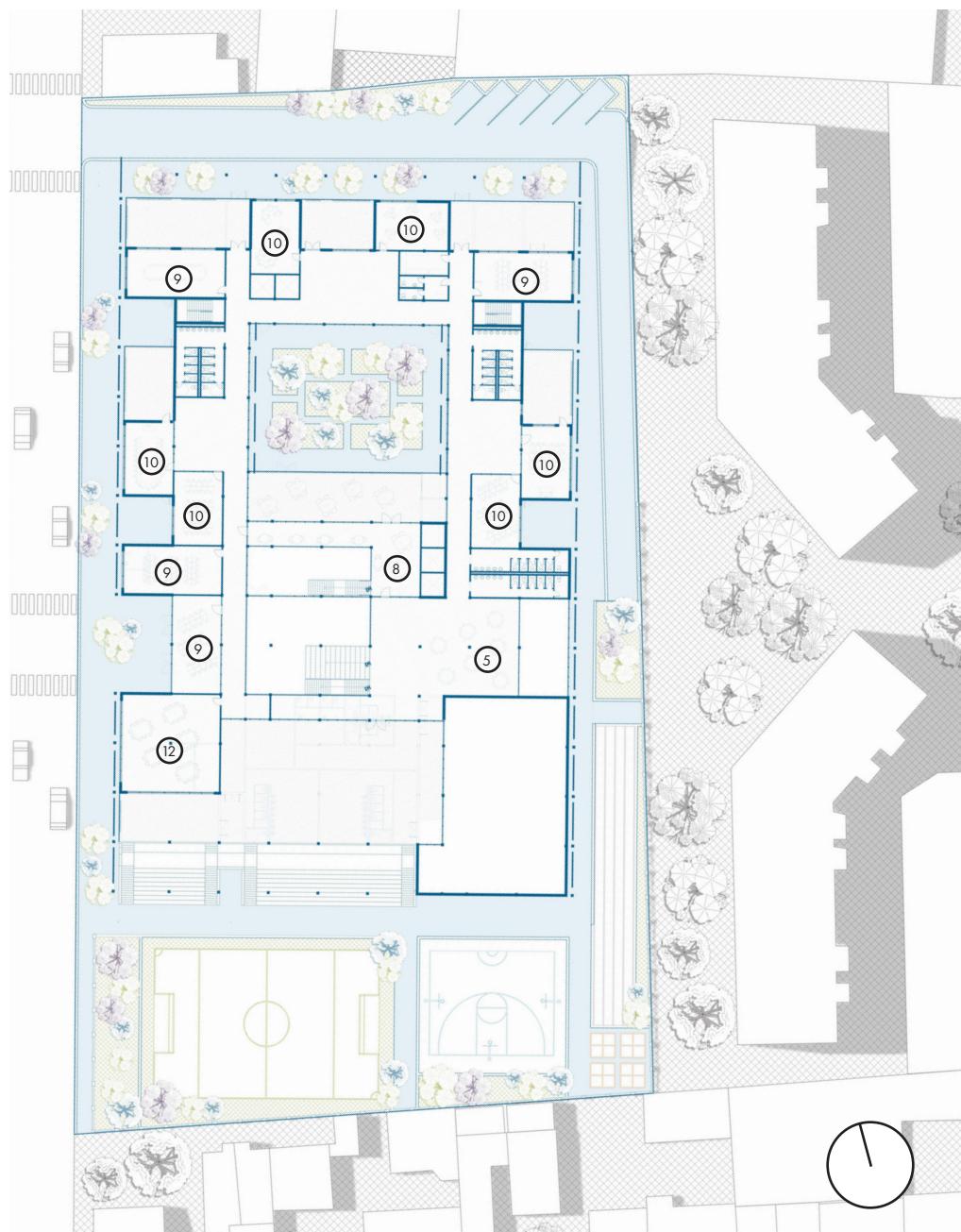
01 Floor Plan

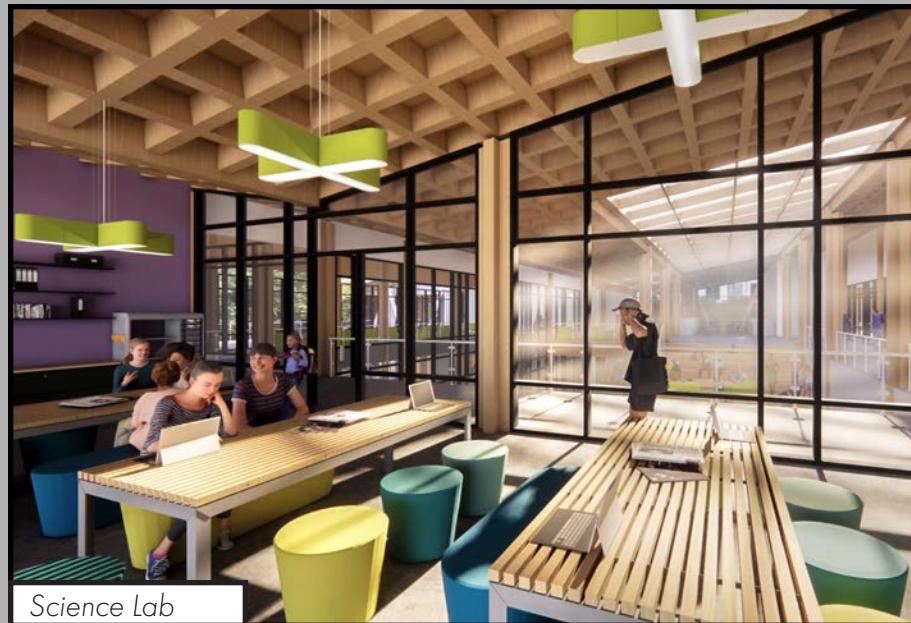
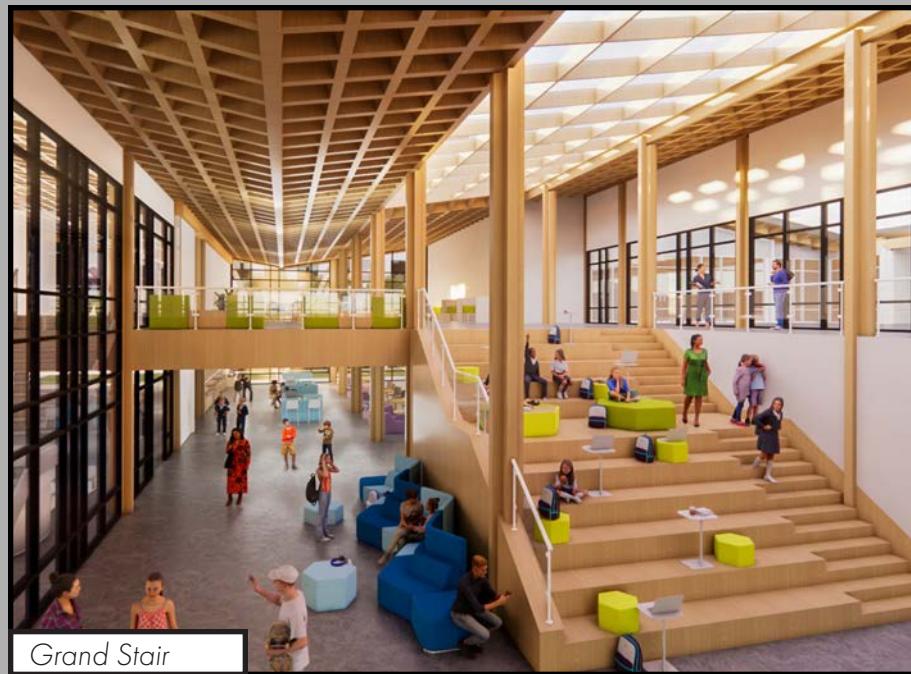
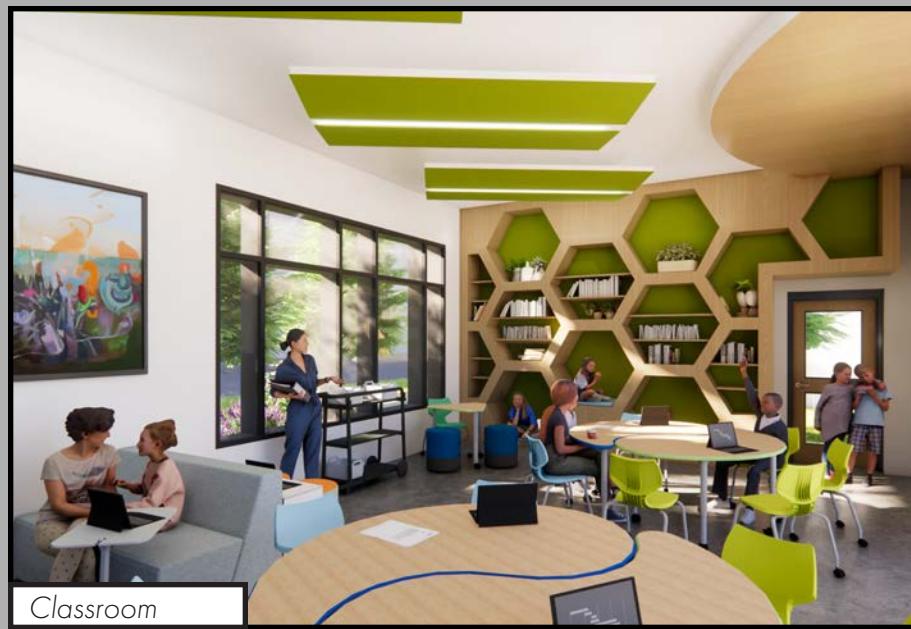
1. Soccer Field
2. Basketball Court
3. Track
4. Gymnasium
5. Canteen
6. Administration
7. Grand Stand
8. Library
9. Lab
10. Classroom
11. Courtyard
12. Multipurpose Room



02 Floor Plan

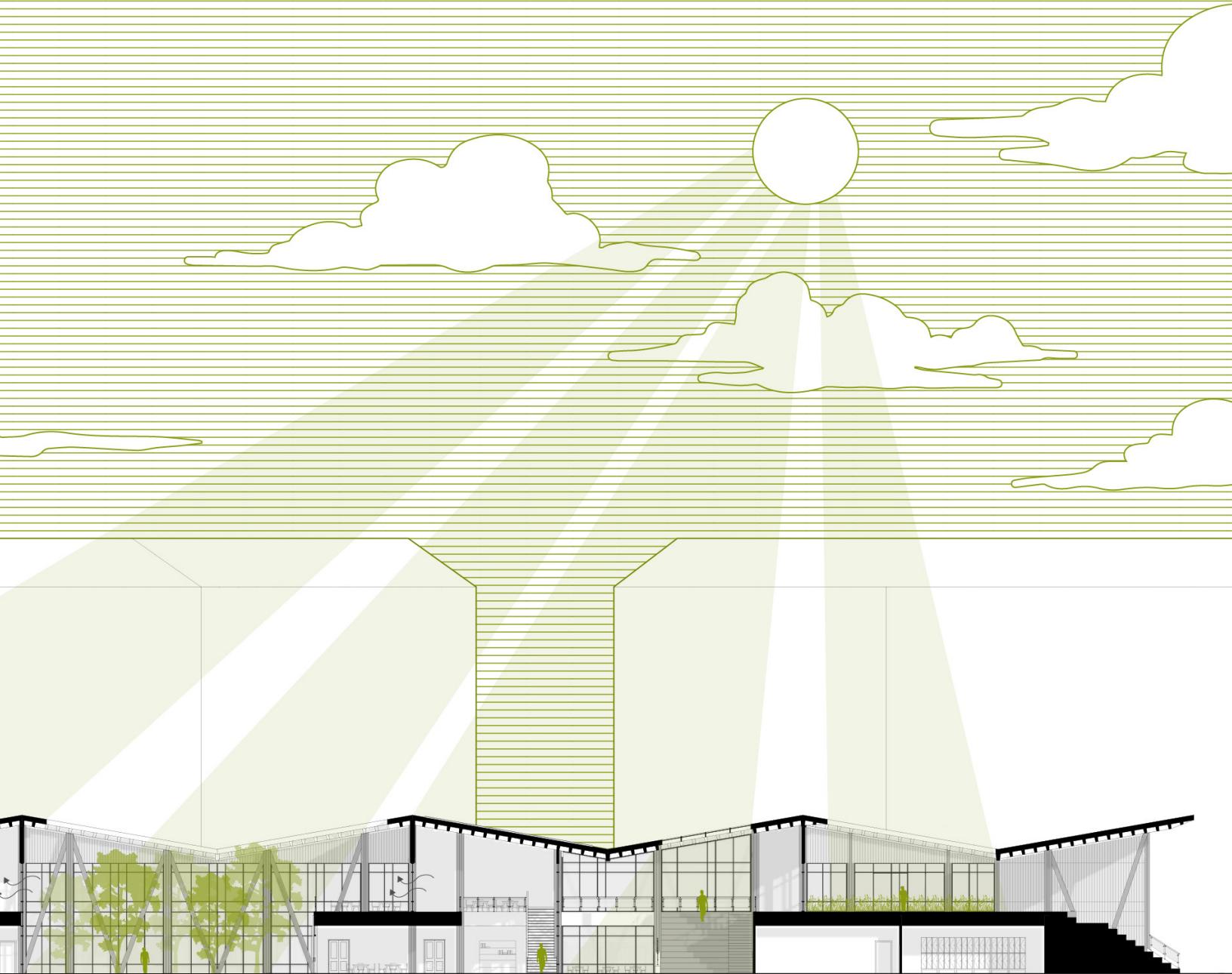
1. Soccer Field
2. Basketball Court
3. Track
4. Gymnasium
5. Canteen
6. Administration
7. Grand Stand
8. Library
9. Lab
10. Classroom
11. Courtyard
12. Multipurpose Room





DESIGN OVERVIEW

The Turin School of Innovation redefines the boundaries between education, collaboration, and connection. By being a part of the community, the school integrates educational spaces with community spaces. The building features classrooms, flexible learning spaces, and a variety of collaboration areas. In contrast, the public side of the school is designed to foster connection, well-being, and social interaction. The public circulation spaces ensure a functional and accessible environment for education, where the boundaries between



EW

es schools as vibrant community hubs, seamlessly blending education, designed to serve both students and the broader community, the program nunal amenities in an inclusive and dynamic environment. The private realm ces, a library, and outdoor areas that inspire creativity, critical thinking, and includes administrative offices, a gymnasium, a canteen, and locker rooms, social interaction. Furthermore, essential elements like restrooms and vertical l holistic layout. This innovative middle school in Turin embodies a bold vision green learning and community dissolve, creating a brighter future for all.





03

PINNACLE PERFORMING ARTS

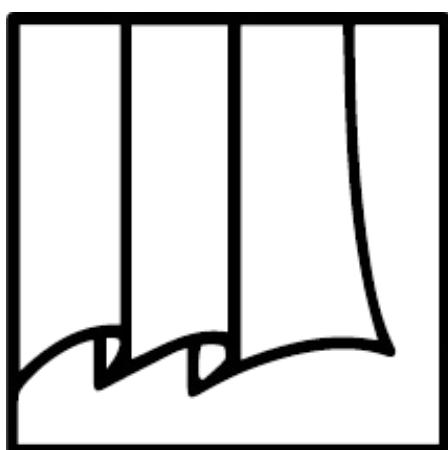
YEAR: *Spring 2023*

COURSE: *Arch 508*

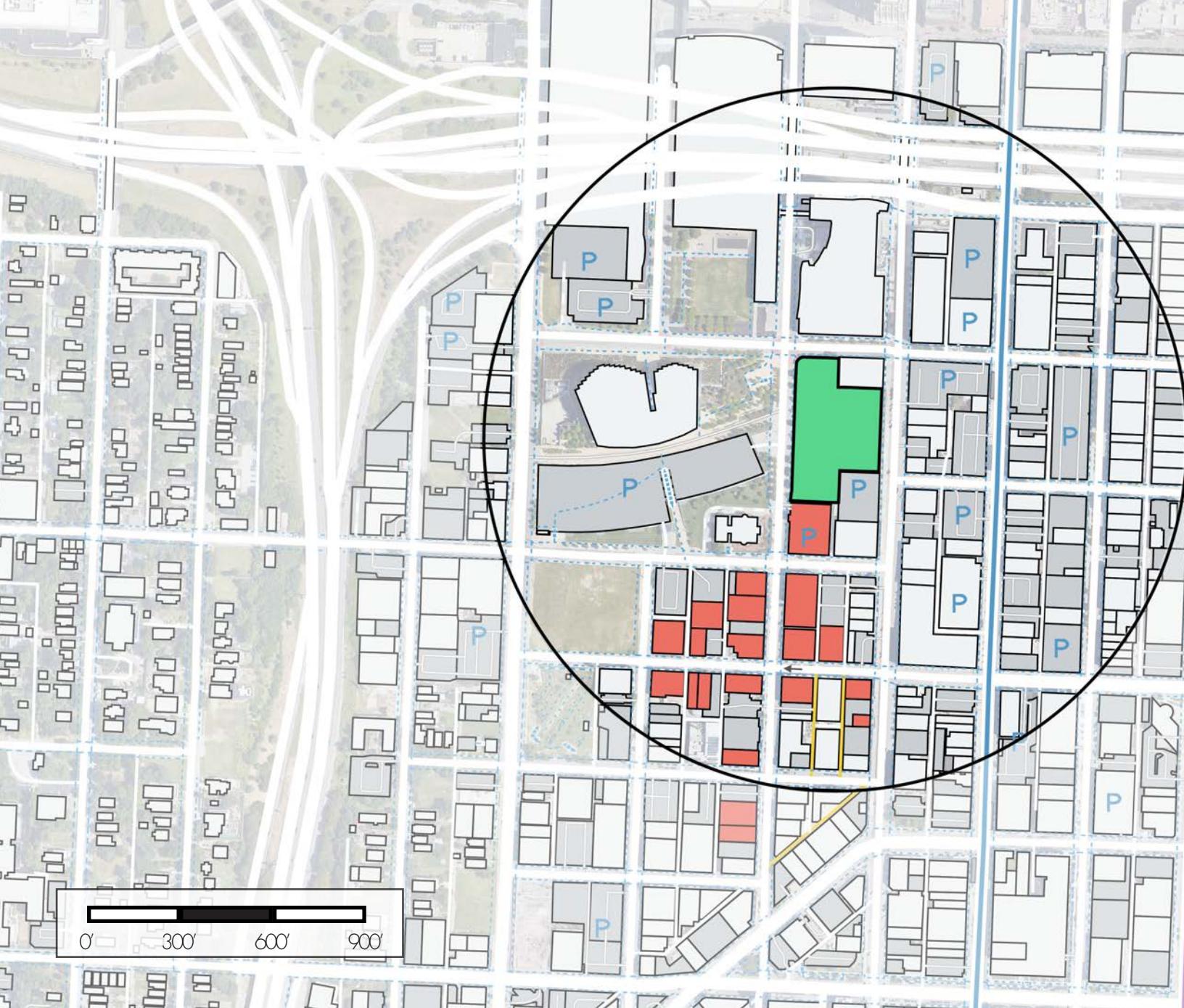
SOFTWARE: *Revit, SketchUp, Lumion*

PROFESSOR: *Bryan Gross*

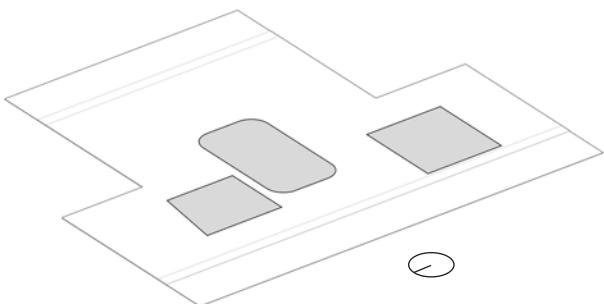
The Pinnacle Performing Arts Center in the Crossroads District provides visitors with the ultimate destination for all creative expression. Located in the heart of the city, the space offers state-of-the-art venues as well as an inviting lobby complete with modern amenities. With its sleek contemporary design, the recital hall, in particular, acts as a symbol of the thriving arts scene in Kansas City. Additionally, the lobby features a glass facade resembling a closed curtain which further emphasizes that a spark of creativity lies just behind the curtain. Overall, the Pinnacle not only provides Kansas City with an intermediate location for theatre, but also an outlet to celebrate the arts from the surrounding area.





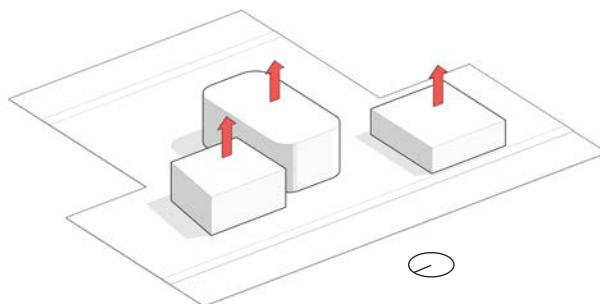


01: Place



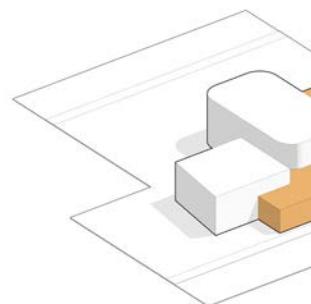
Numerous studies over the given site and surrounding context determined the ideal locations for each of the venues.

02: Extrude



After extending each venue its minimum height, the recital hall was extruding even further. This made the venue very prominent on both sides of the street.

03: Connect



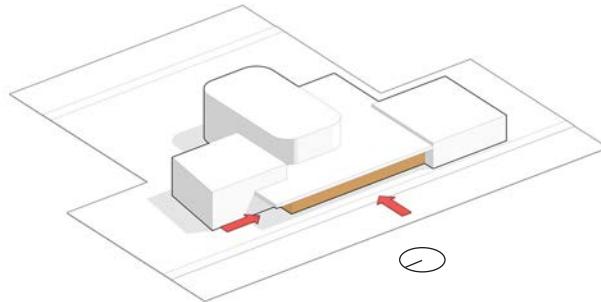
Each of the 3 venues has an L-shaped lobby that provides a means of passage from the site to Downtown Kansas City.



SITE CONTEXT

Located in between Wyandotte Street and Baltimore Street the site for this project was primarily focused on being able to bridge the two sides. On one side, the Kauffman Center represents the elegance of larger downtown Kansas City. Meanwhile Baltimore Street symbolizes the unofficial beginning of the famous Crossroads Art District. All three venues of the Pinnacle Performing Arts are located near the property line facing Wyandotte Street. This leaves sufficient room in the backyard for a more informal outdoor performing space. By adhering to the cultures of both sides, the building attracts visitors from all areas of Kansas City. Then it unites everyone through the shared interest of the visual and creative arts.

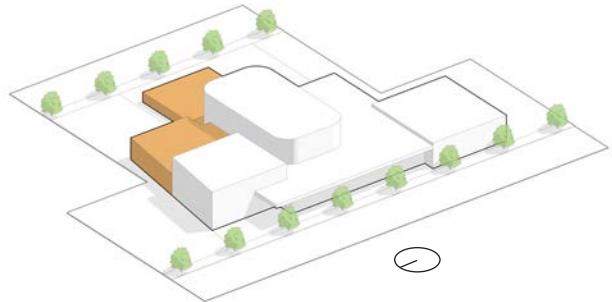
04: Curtain Wall



is connected by
that doubles as a
from the Crossroads
s City.

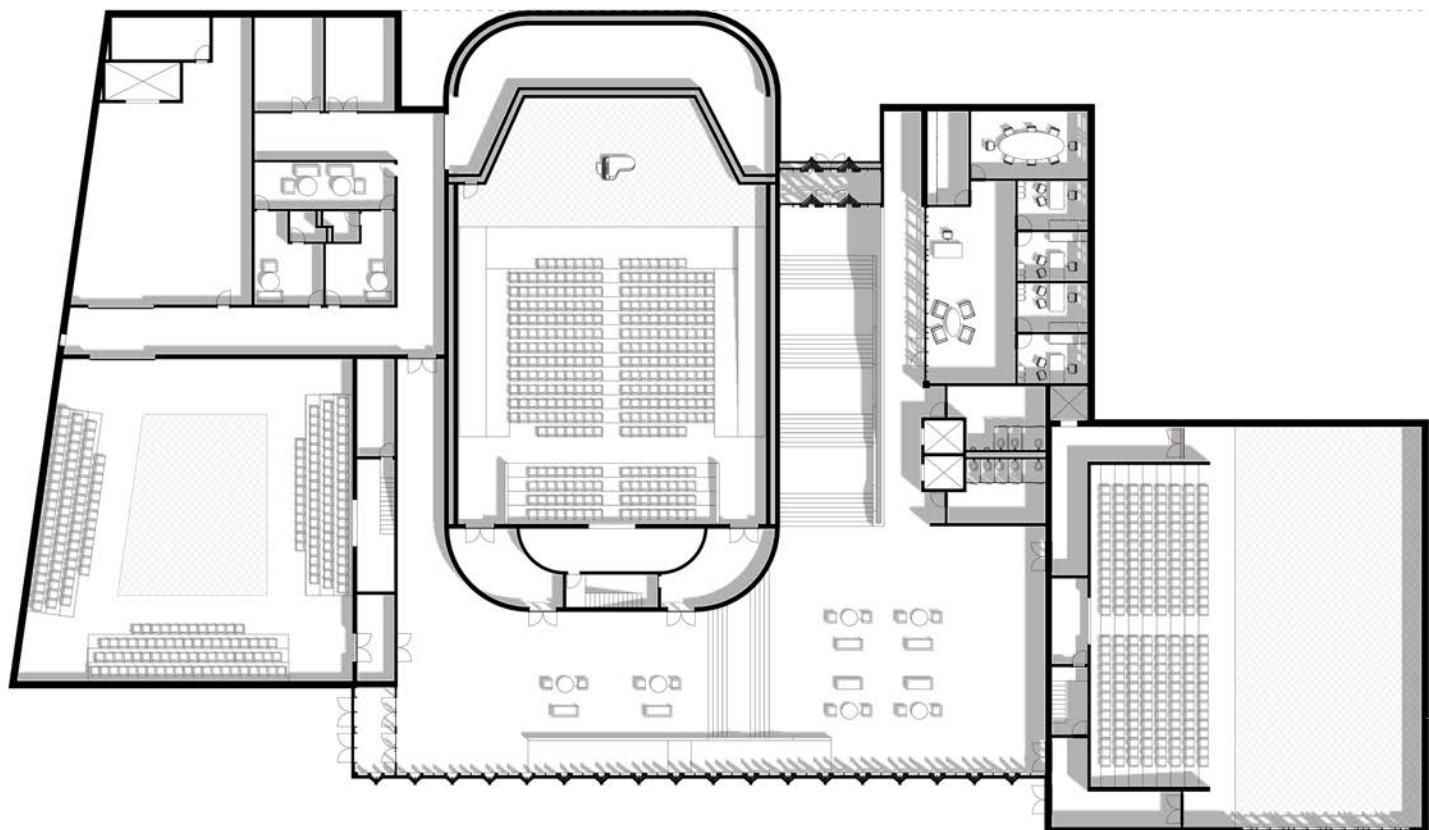
The western wall of the lobby has a full length curtain wall. This glass facade resembles an actual curtain symbolizing that creative expression lies just behind the closed curtain.

05: Support Spaces



An outdoor performance space and numerous back of house functions are added to the northeastern side of the building. These areas are designed to primarily increase functionality.

Upper Floor Plan

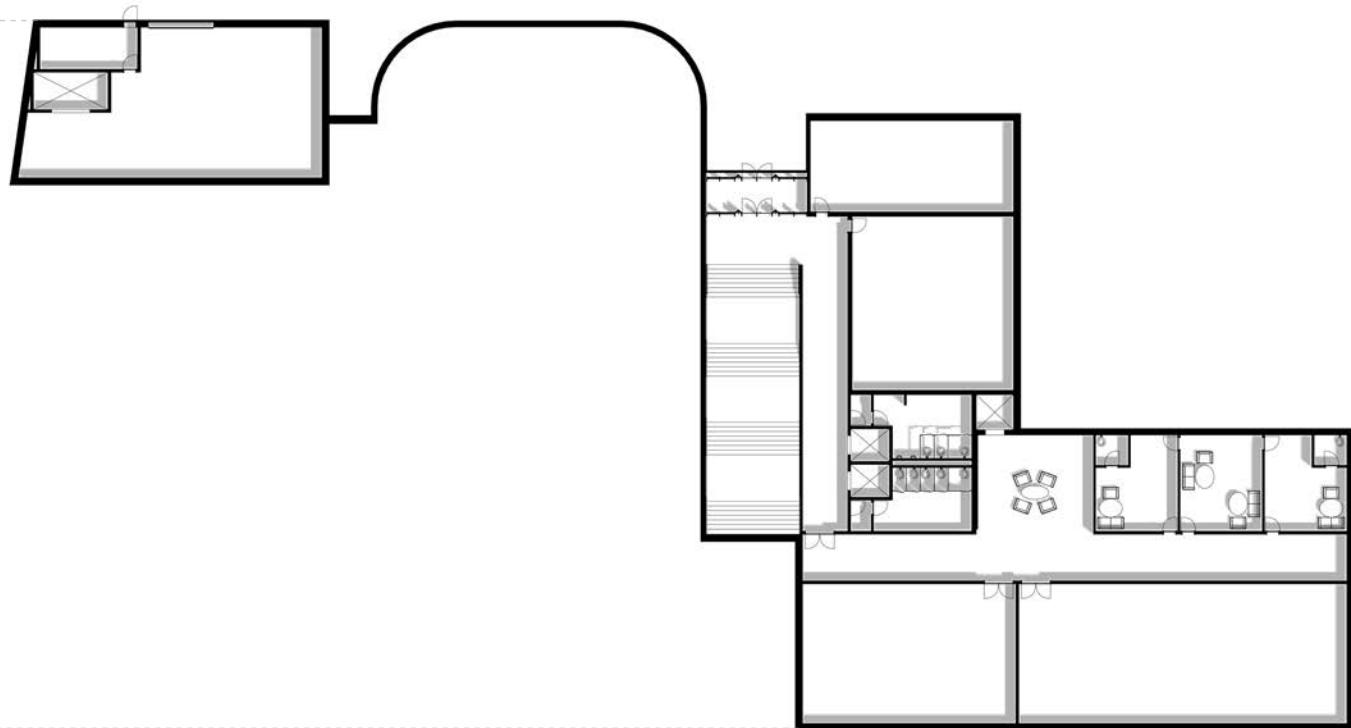


West Elevation

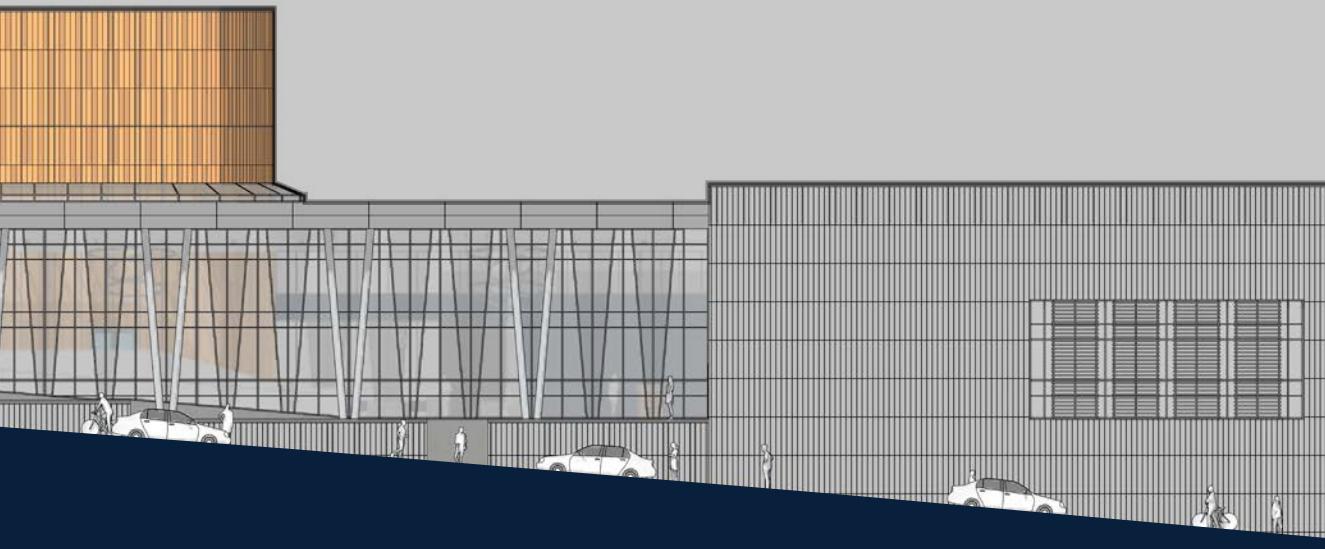


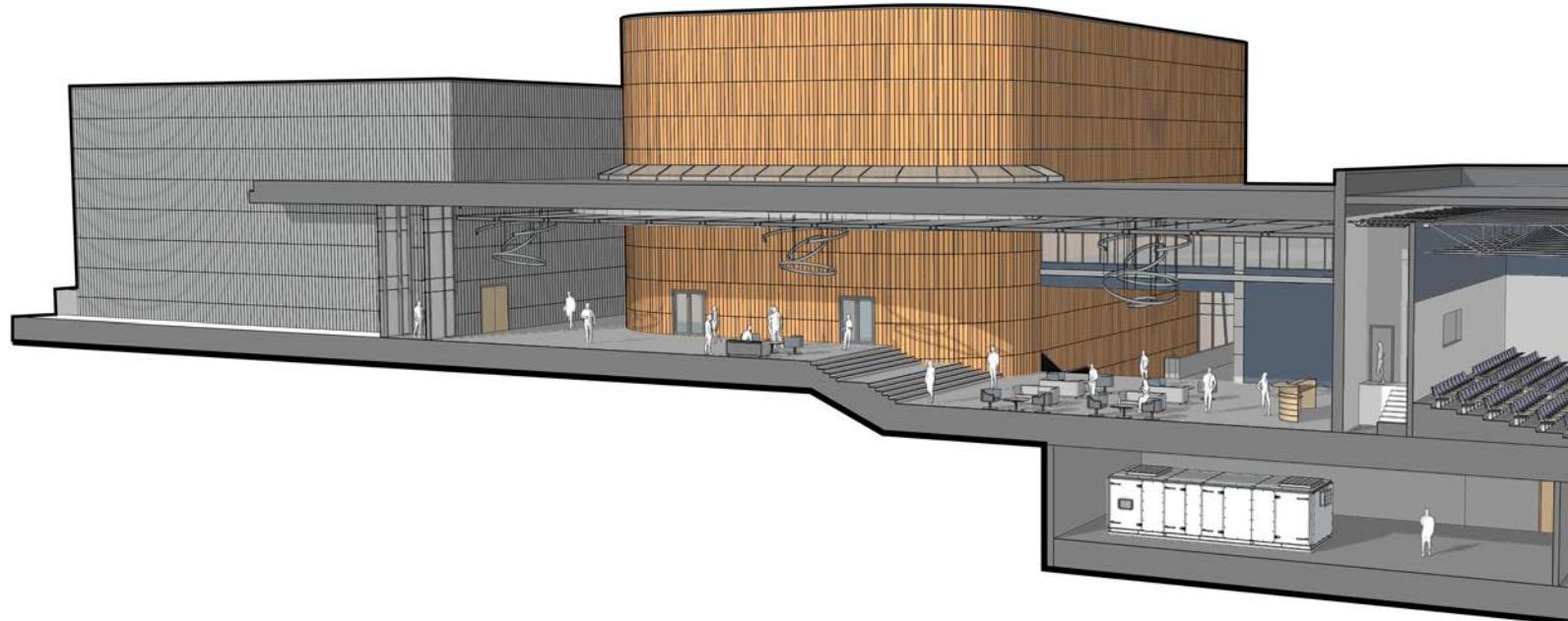
0' 20' 40' 60'

Lower Floor Plan



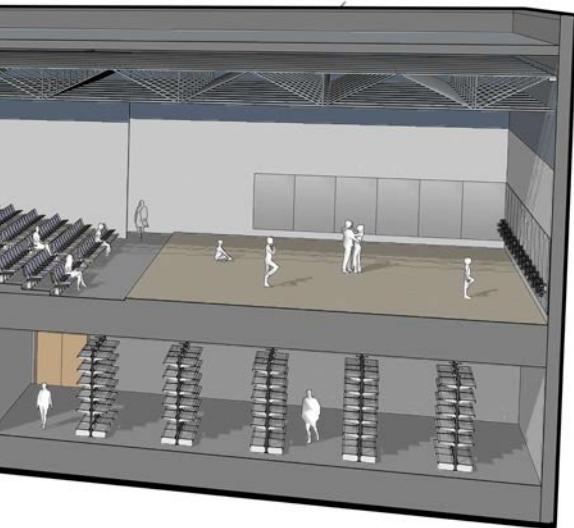
0' 20' 40' 60'





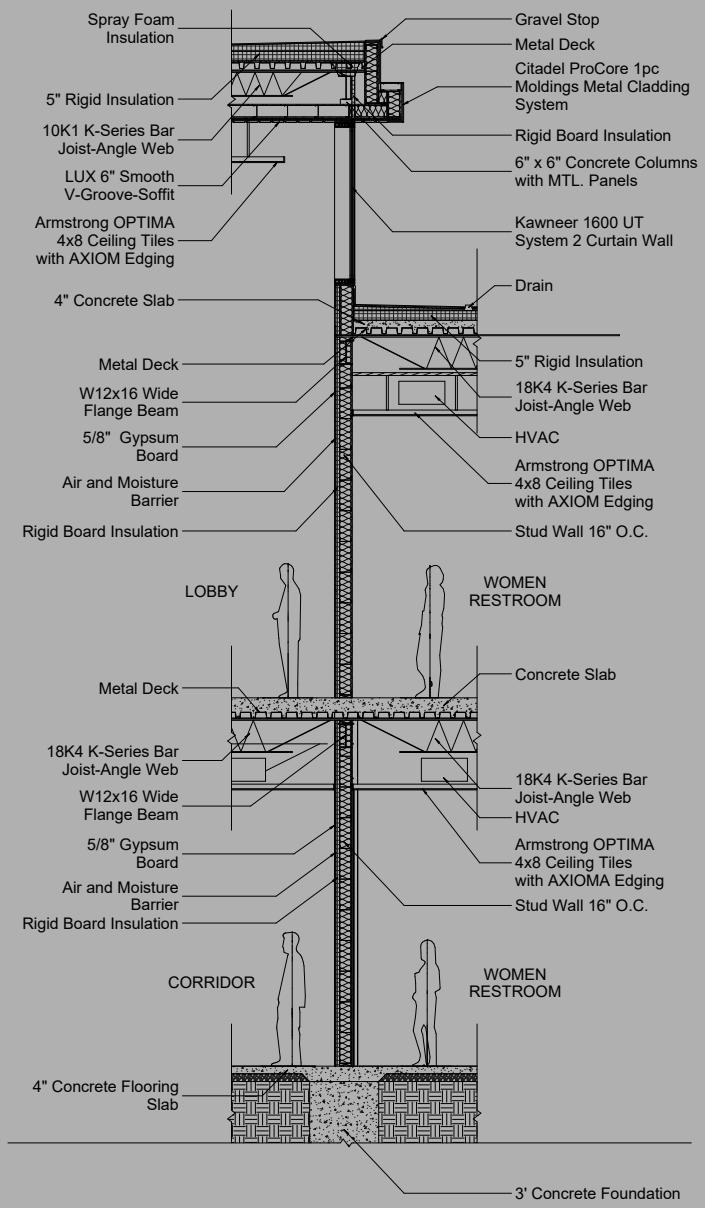
LOBBY OVERVIEW

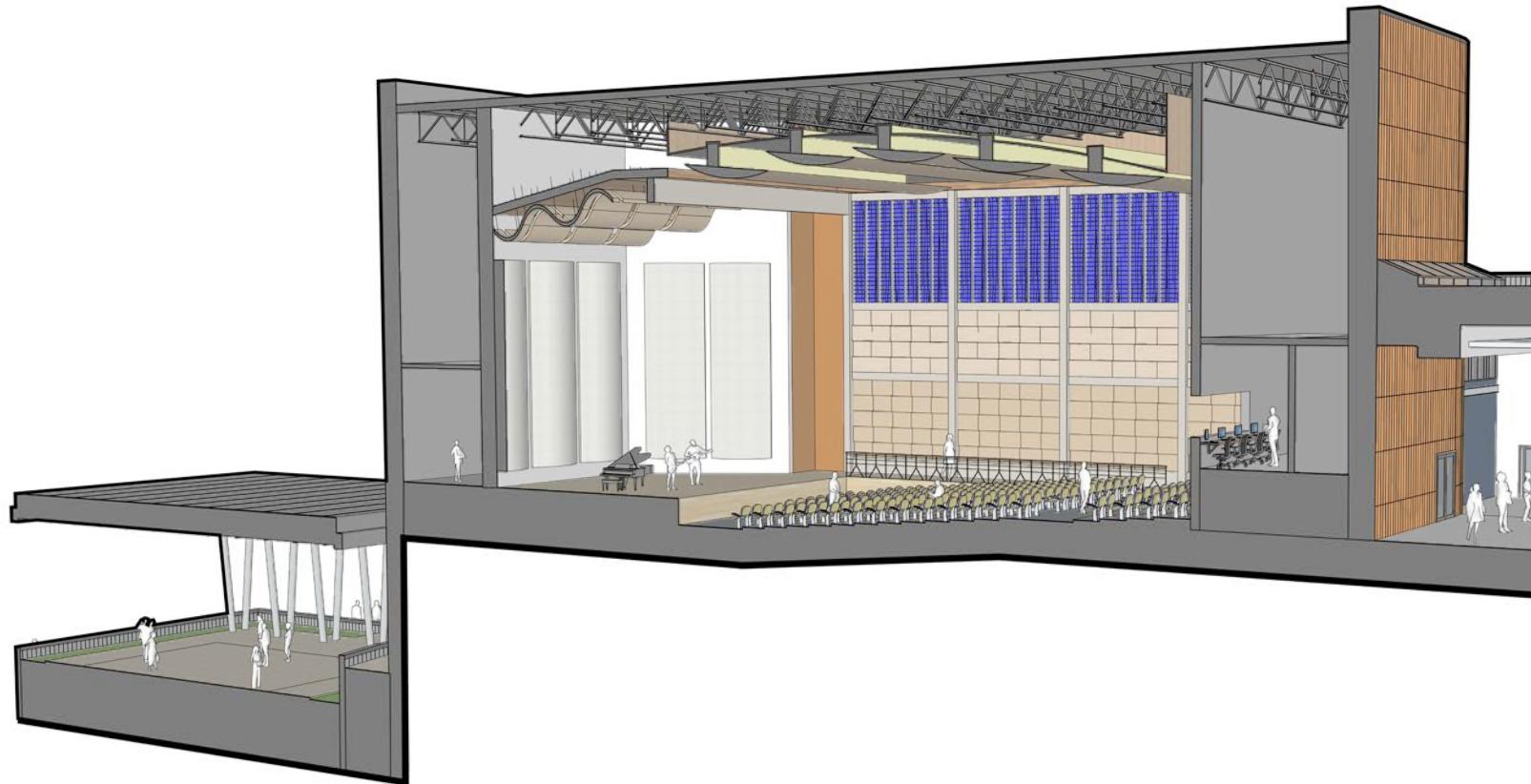
Commanding attention in Downtown Kansas City, the Pinnacle Performing Arts Center is a true embodiment of downtown elegance. Not only does it feature a grand stage and auditorium, but it also includes a black box theatre, and dance studio housed within. The lobby is a sophisticated space, serving as a passage; it's an immersive experience, offering a unique look before and between shows. The Pinnacle's location in the heart of the city, where the elegance of downtown meets the boundless creativity pulsating behind the scenes, makes it a must-see destination.



N

as City, The Pinnacle serves as a cultural nexus, connecting the Crossroads district to the progressive downtown. A remarkable structure is its state-of-the-art lobby, a space nestled within the glass curtain wall on the western side. The lobby is a visual spectacle that hints at the creativity and energy that drives the building. The lobby doesn't merely act as a functional space; it's a gathering point where comfort spaces that invite patrons to unwind and socialize. The lobby is a testament to the intersection of tradition and modernity, where downtown Kansas City's architecture converges with the grandeur of each performance venue.

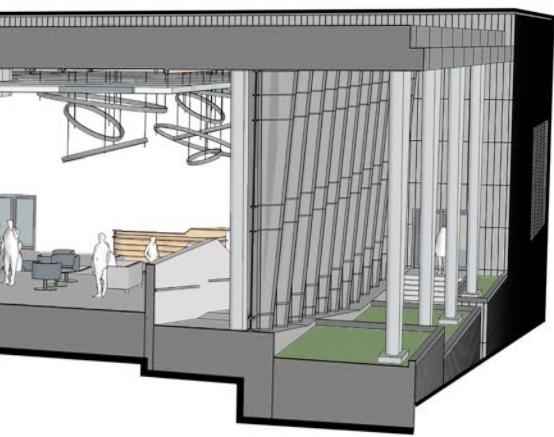




RECITAL HALL OVERVIEW

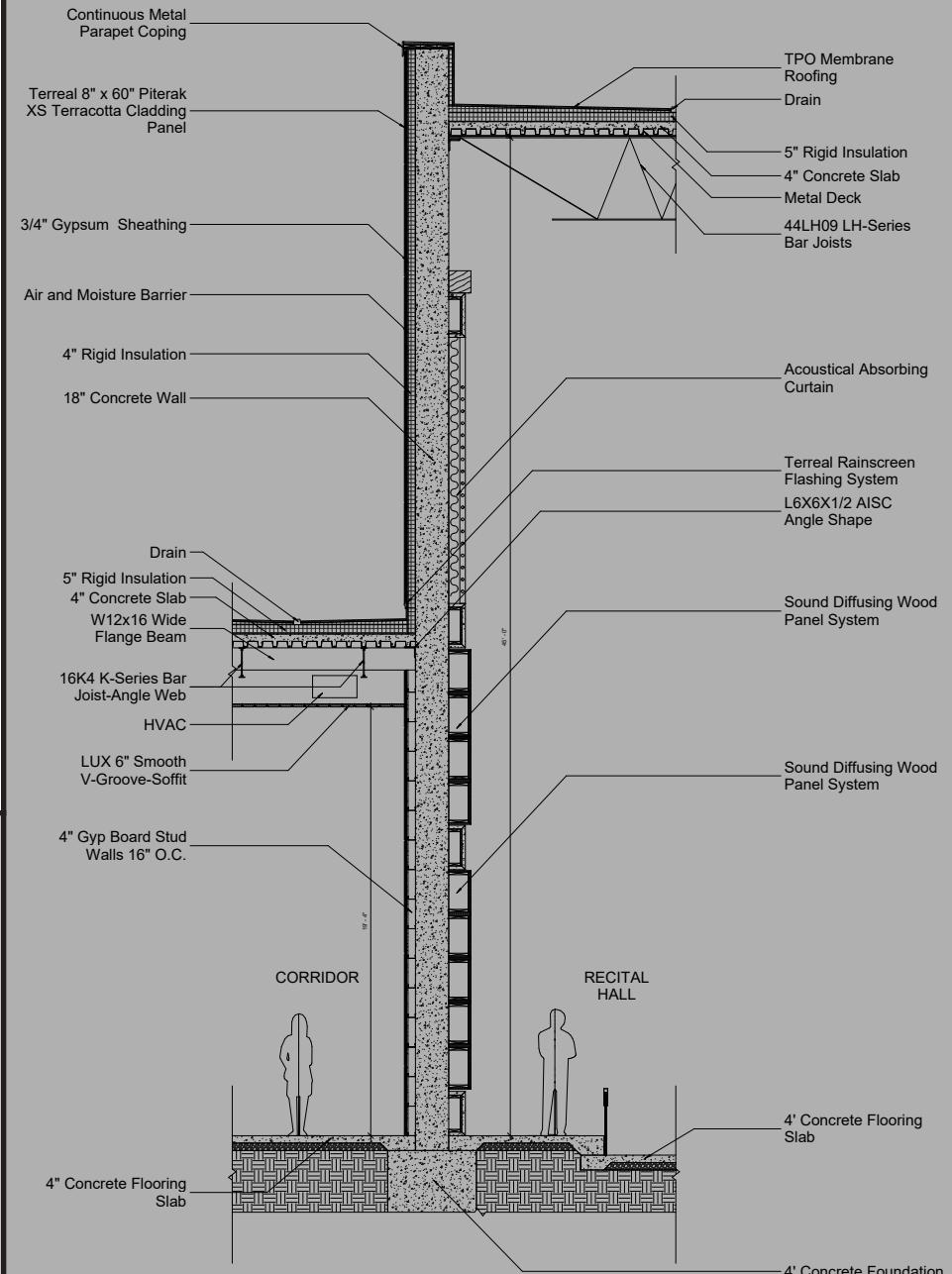
This state-of-the-art Recital Hall works as a space for both music and theater. On the interior, the hall features incomparable acoustics and a modern design, making it a destination for recitals, concerts and theatrical performances. The hall is designed to accommodate a variety of performances, where the first two levels are complete sound boxes. The walls and ceiling feature retractable acoustic absorbing curtains that can be lowered or raised to control the acoustics and stage lighting.





OVERVIEW

symbol for the thriving arts scene in Kansas City. Its double acoustics and lighting making it the perfect venue for performances. The hall features a 3 tiered system of sound diffusing wood panels. The highest tier, however, is a set of curtains that can give the performer complete control







04 STUDY ABROAD

YEAR: *Summer 2023*

LOCATION: *Finland, Sweden, Denmark*

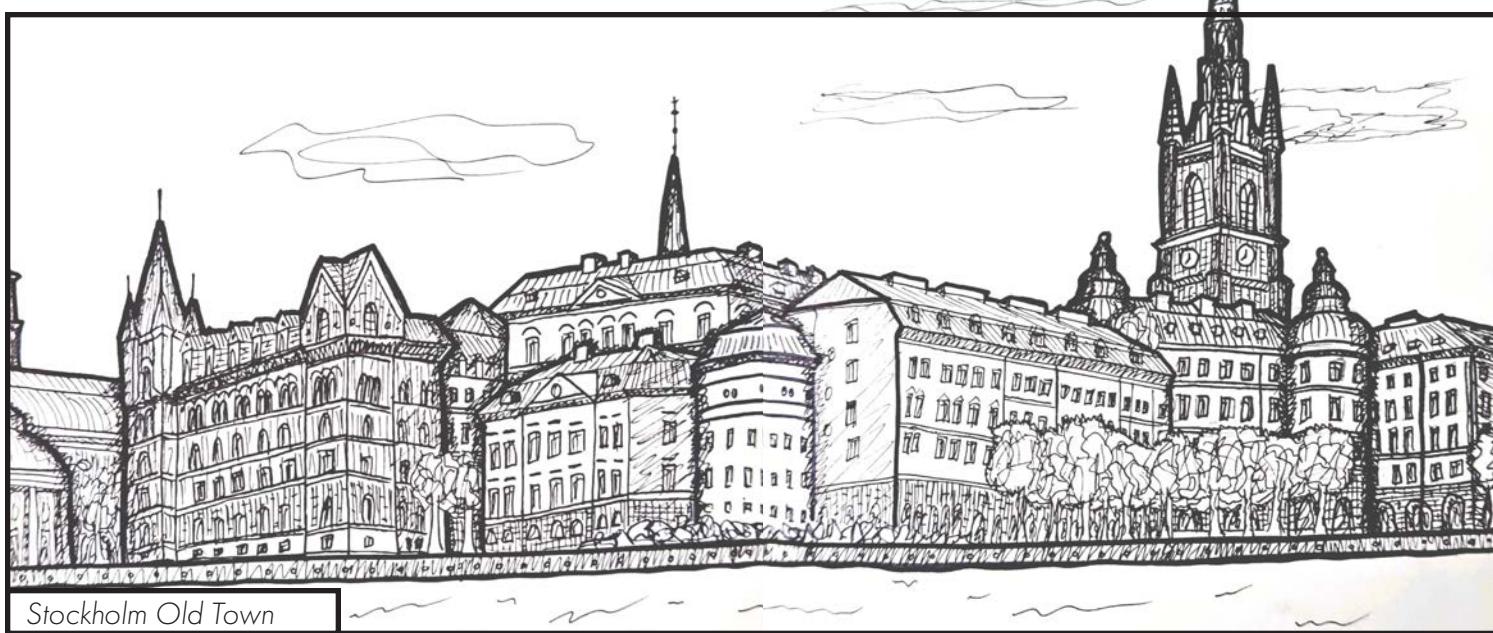
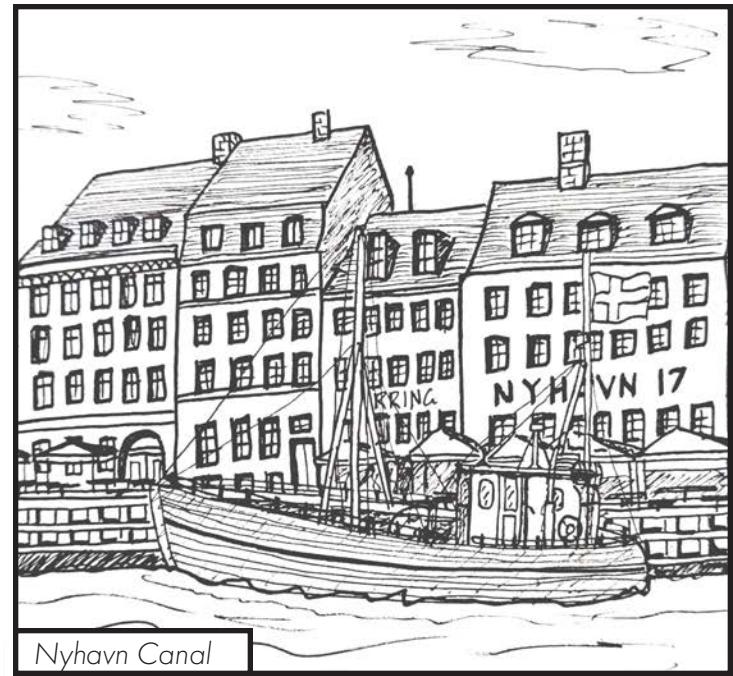
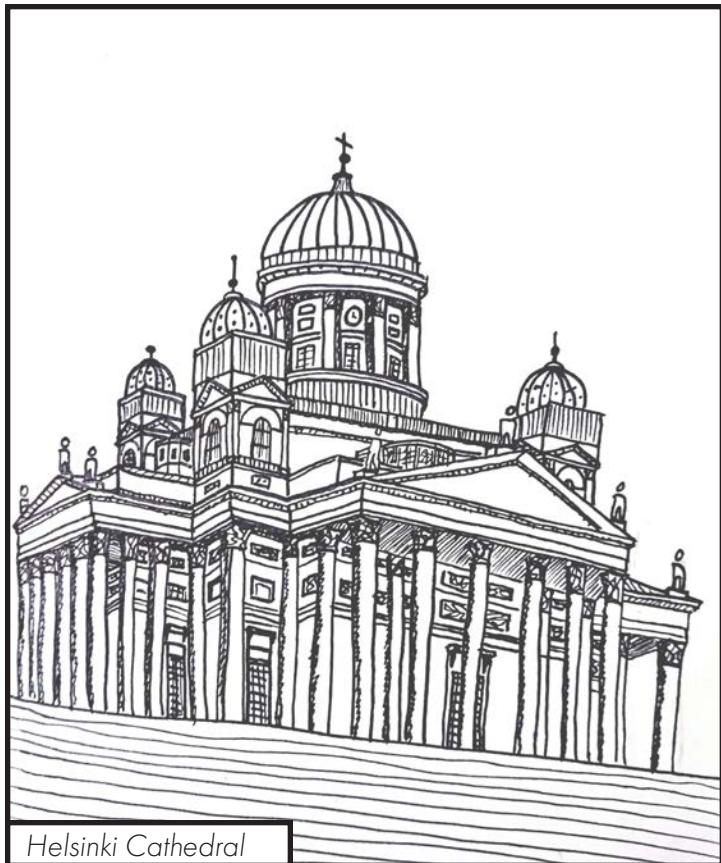
As part of the KU Study Abroad Program I was able to travel to Europe for a few weeks over the summer in 2023. We traveled to Finland, Sweden, and Denmark and got to see some amazing works of architecture. Over the course of the trip, we saw a variety of projects ranging from cathedrals as old as the Renaissance Era to more modernist works from the likes of Alvar Aalto and BIG. Overall, the trip was very eye-opening to see a completely unique perspective on the way the world works and the challenges that come with it.

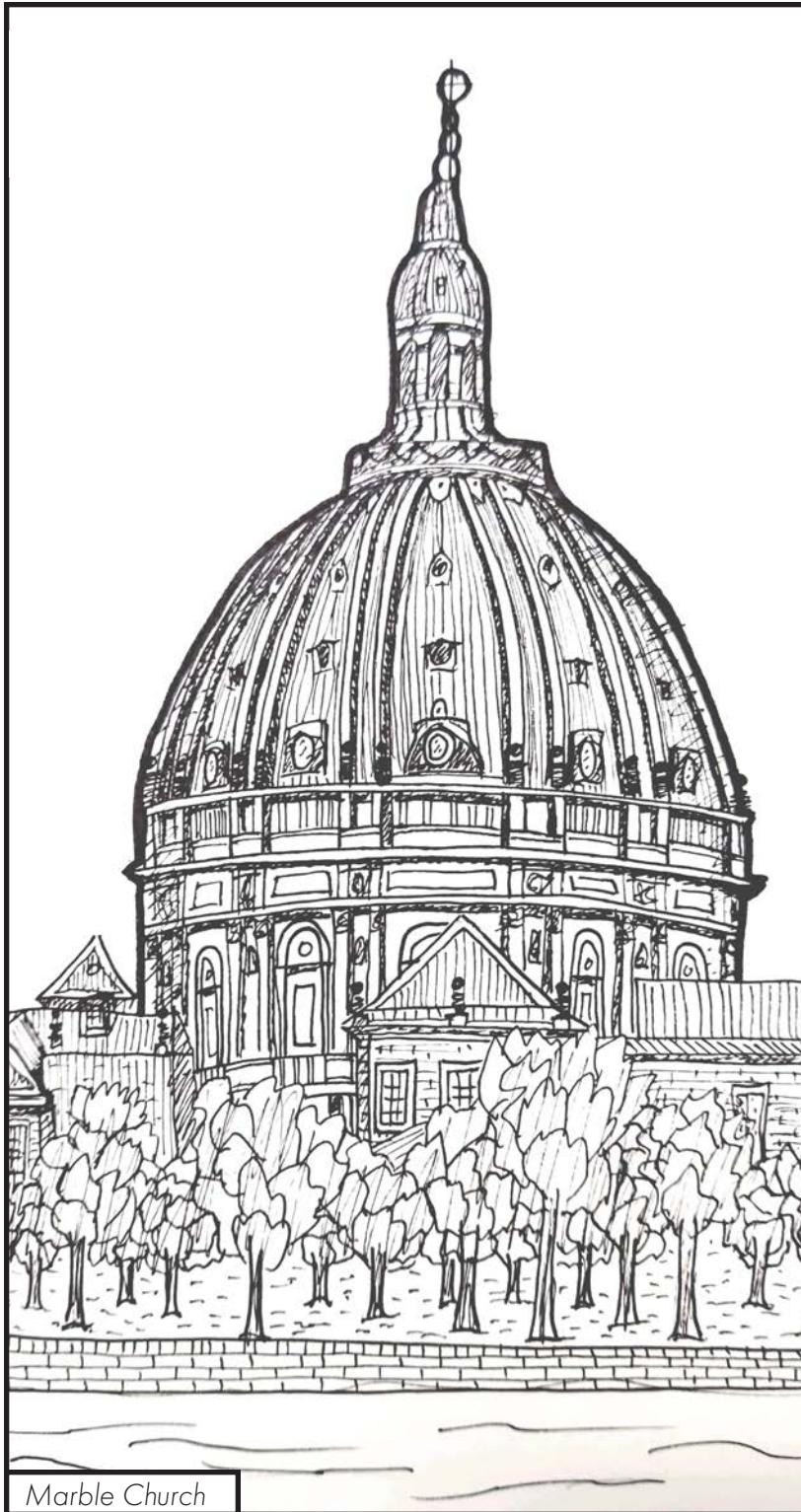


Nyhavn Canal

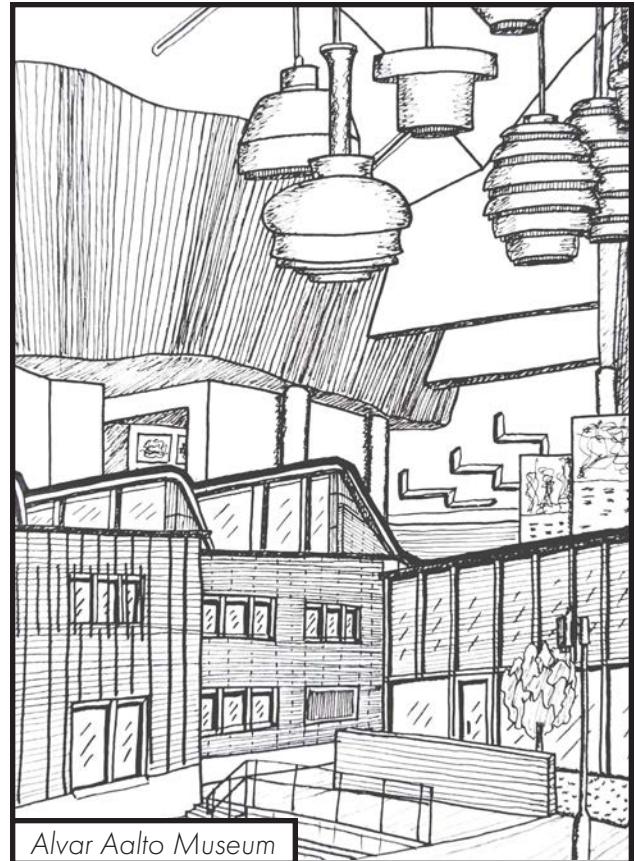


SKETCHES





Marble Church

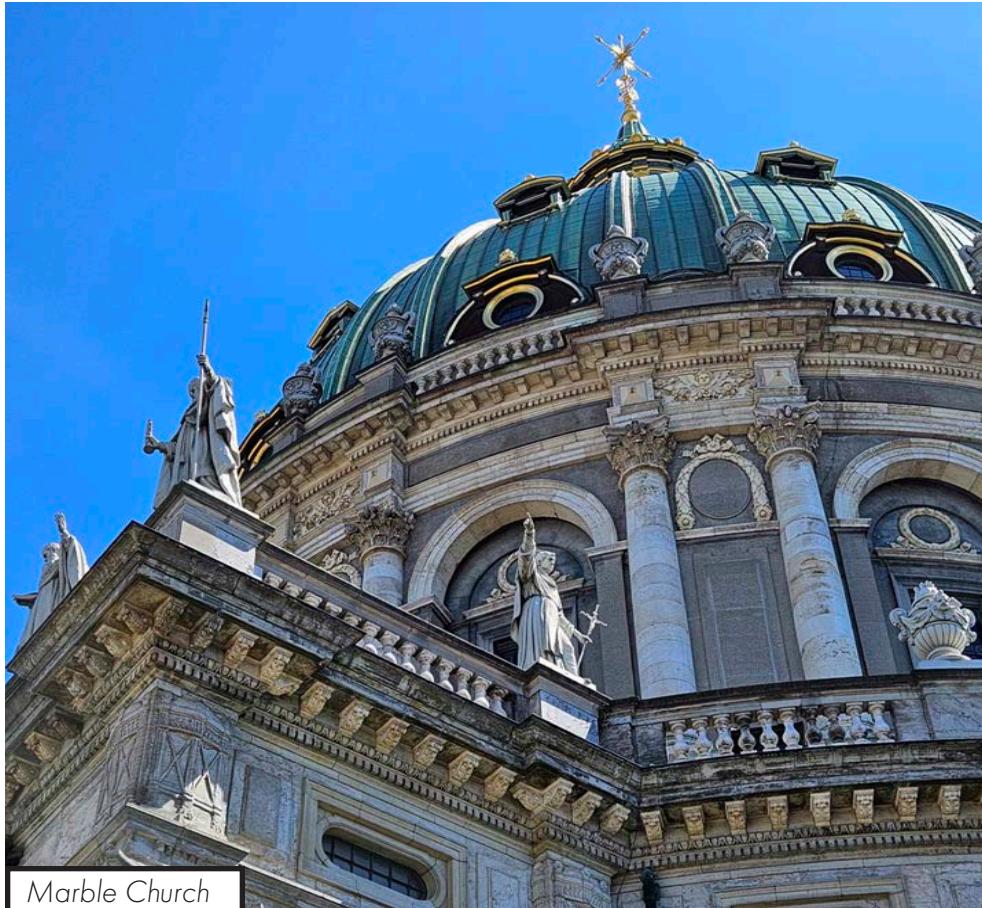


Alvar Aalto Museum



Gamla Stan

PHOTOGRAPHY



Marble Church



St. Henry's Chapel



Helsinki Cathedral



Oodi Library



Grundtvig's Church



Helsinki, Finland

05 EXPLORATION

YEAR: Fall 2020 - Spring 2025

LOCATION: Kansas City, Lawrence, Topeka

Kansas City, Lawrence, and Topeka hold profound significance in my personal and professional journey, shaping my growth and nurturing my passion for architecture. Each city, with its unique character, has been a canvas for my exploration and inspiration. Kansas City's dynamic skyline and eclectic neighborhoods fueled my fascination with architectural photography, capturing the essence of the city's vibrant spirit. My internship with Populous in Kansas City further enhanced my understanding of sports architecture, offering invaluable insights into the design of iconic venues and the profession as a whole. Lawrence, with its blend of historic charm and collegiate energy, became a muse for my urban sketching pursuits, allowing me to translate the city's diverse architecture into pen-and-ink compositions. In Topeka, my internship with HTK Architects provided a hands-on experience, deepening my understanding of the profession. The diverse architectural landscapes of these cities have not only influenced my hobbies but have also guided my career aspirations, fostering a profound appreciation for the built environment and its impact on the communities we inhabit.



Downtown Kansas City - Photography



MAINSTREET

B&B
Mainstreet

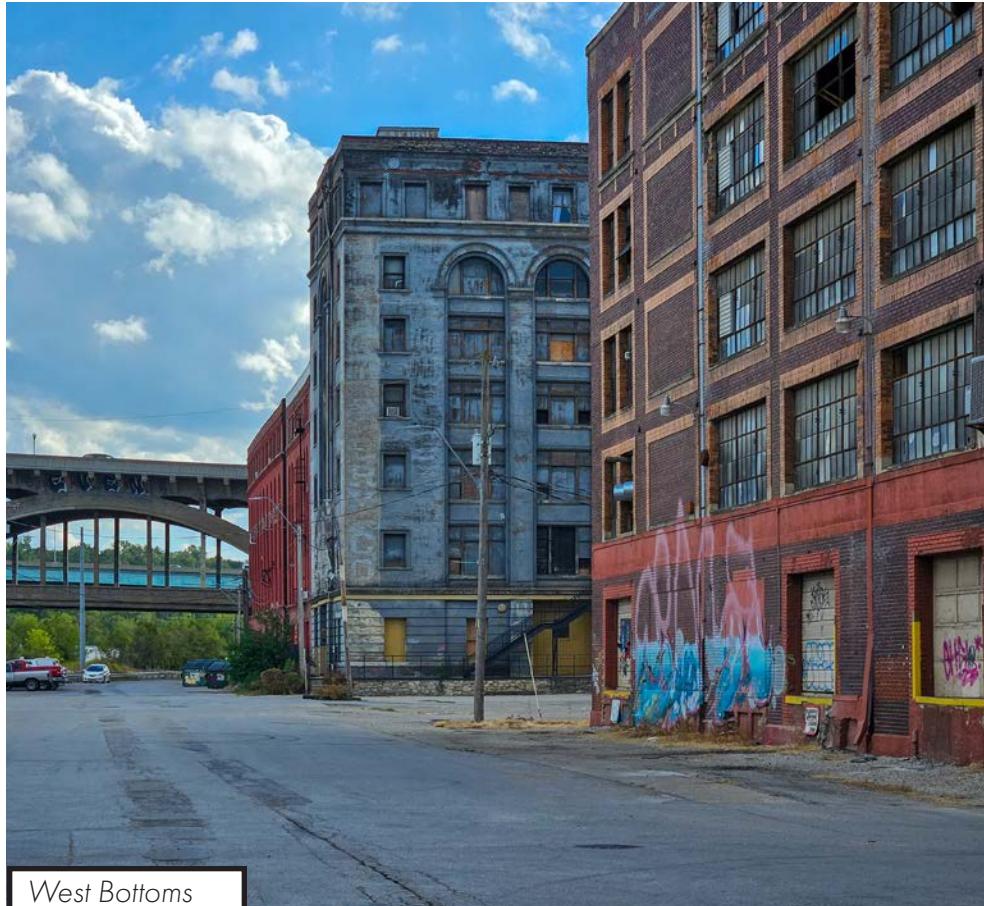
THE NEW RINGO

SKETCHING

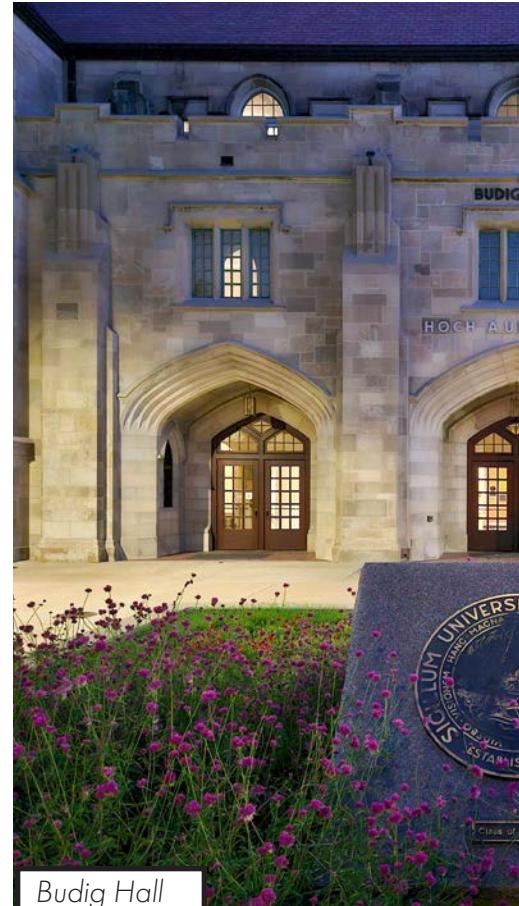




ARCHITECTURAL PHOTOGRAPHY



West Bottoms



Budig Hall



University of Kansas



Crown Center, KC



Midland Theatre



Lawrence, Kansas

