

# ARCHITECTURE PORTFOLIO

JONATHAN  
ROY



# ROY, JONATHAN



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## EDUCATION

Bachelors of Architecture  
Cal Poly Pomona | Pomona CA  
2018 – 2023

## EXPERIENCE

Lahmon Architects, Culver City

2022-2023

Guided by experienced architects, I gained hands-on insight into the construction documents and permits needed to prepare for and observe the construction of affordable mixed-use housing. In a small hard-working firm, we navigated through the later phases of a few Low-income Multi-Use Apartment in Los Angeles.

## SKILLS

Modeling  
AutoCAD,  
Revit,  
Rhinoceros,  
Grasshopper

Adobe  
Photoshop,  
Illustrator,  
InDesign,  
Acrobat

Microsoft  
Word,  
Excel,  
PowerPoint,  
Outlook

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Study: Medical Architecture, Program Organization, Circulation, User Experience, Collaboration  
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## **Multi-Use Affordable Housing, Los Angeles, CA**

Study: Low-Income Housing, Large Apartment Typology, Standard Unit Organization, Structure,  
Mechanical Systems  
Pages 10-15

## **La Nota Tejido, Boyle Heights, CA**

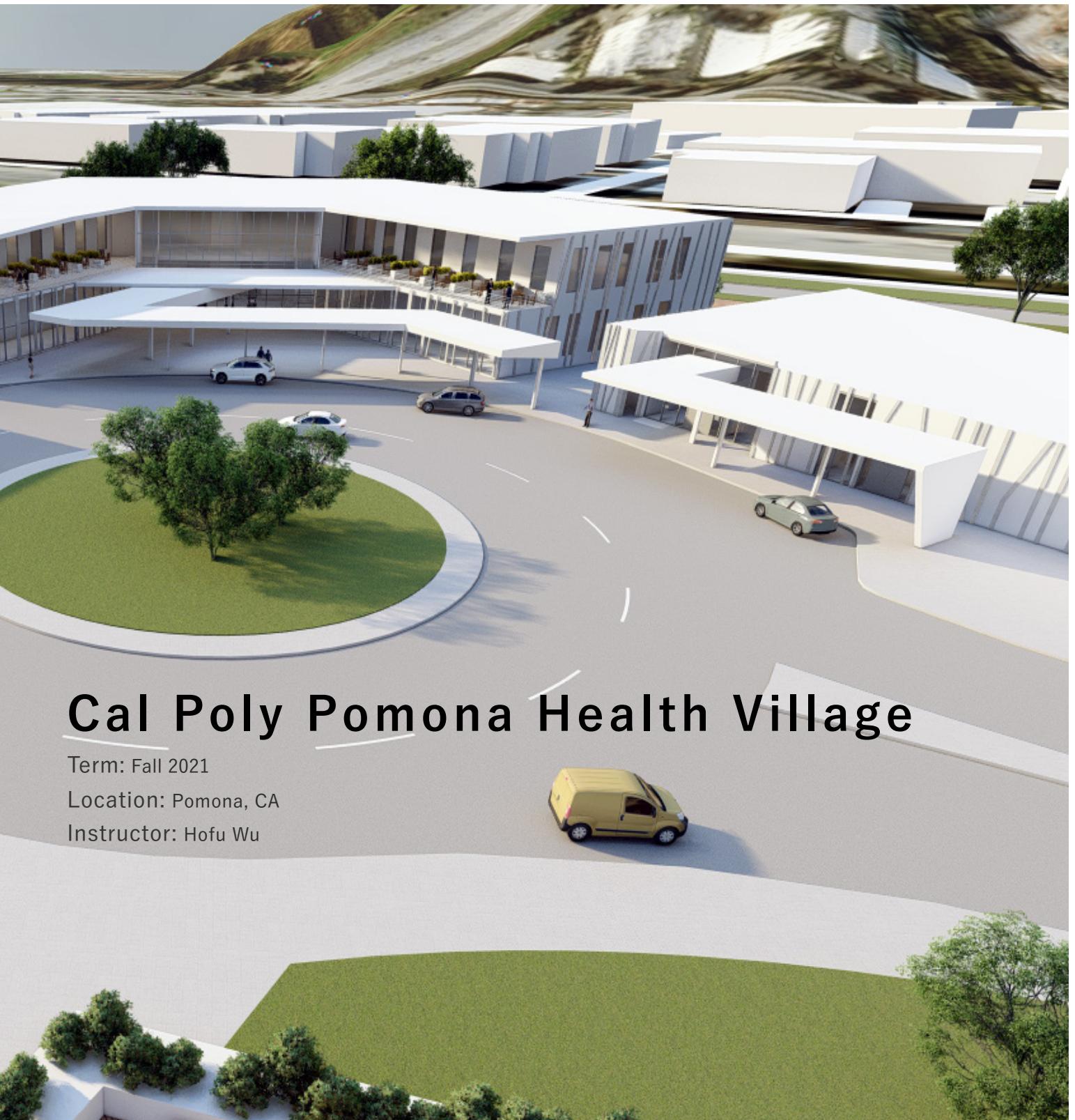
Study: Narrative of Design, Community History, Program, Site Organization, Collaboration  
Pages 16-23

## **Olympic Golf Training Tower (OGTT), Los Angeles, CA**

Study: Sustainability, Structure, Building Code, Schematic Design, Design Development  
Pages 24-29



Shown: Health Village Campus Entrance - Perspective



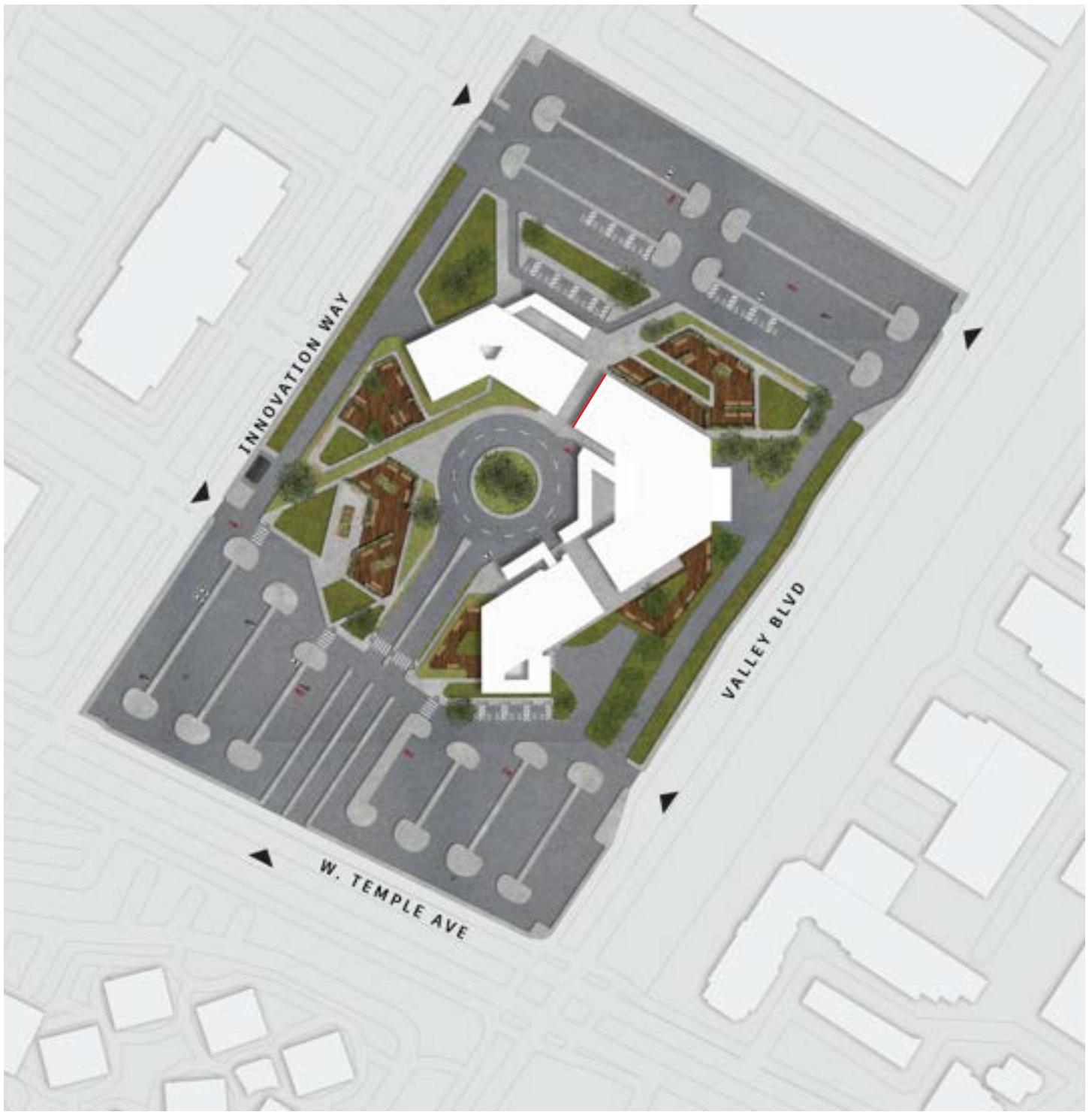
# Cal Poly Pomona Health Village

Term: Fall 2021

Location: Pomona, CA

Instructor: Hofu Wu



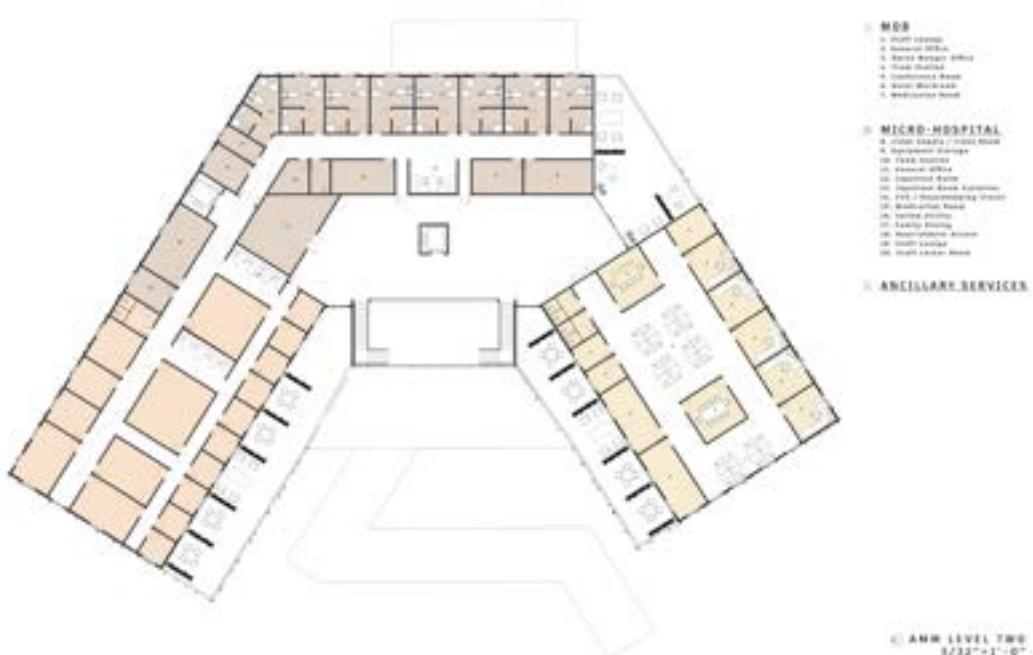


Shown: Health Village Campus - Site Plan, Ancillary Services Micro Hospital Medical Office (AMM) Building - Site Plan



The Cal Poly Pomona Health Village is a fully equipped health center neighboring the California State University of Pomona. This health village was a group effort with help from three of my other classmates to create a Patient and Staff first health care center. Our Patient and Staff first ideology was very important to this design after seeing the unfortunate effects of the COVID-19 Pandemic, as we wanted to be sure not only were the patients comfortable in these spaces, but also so the staff could have a better work environment.

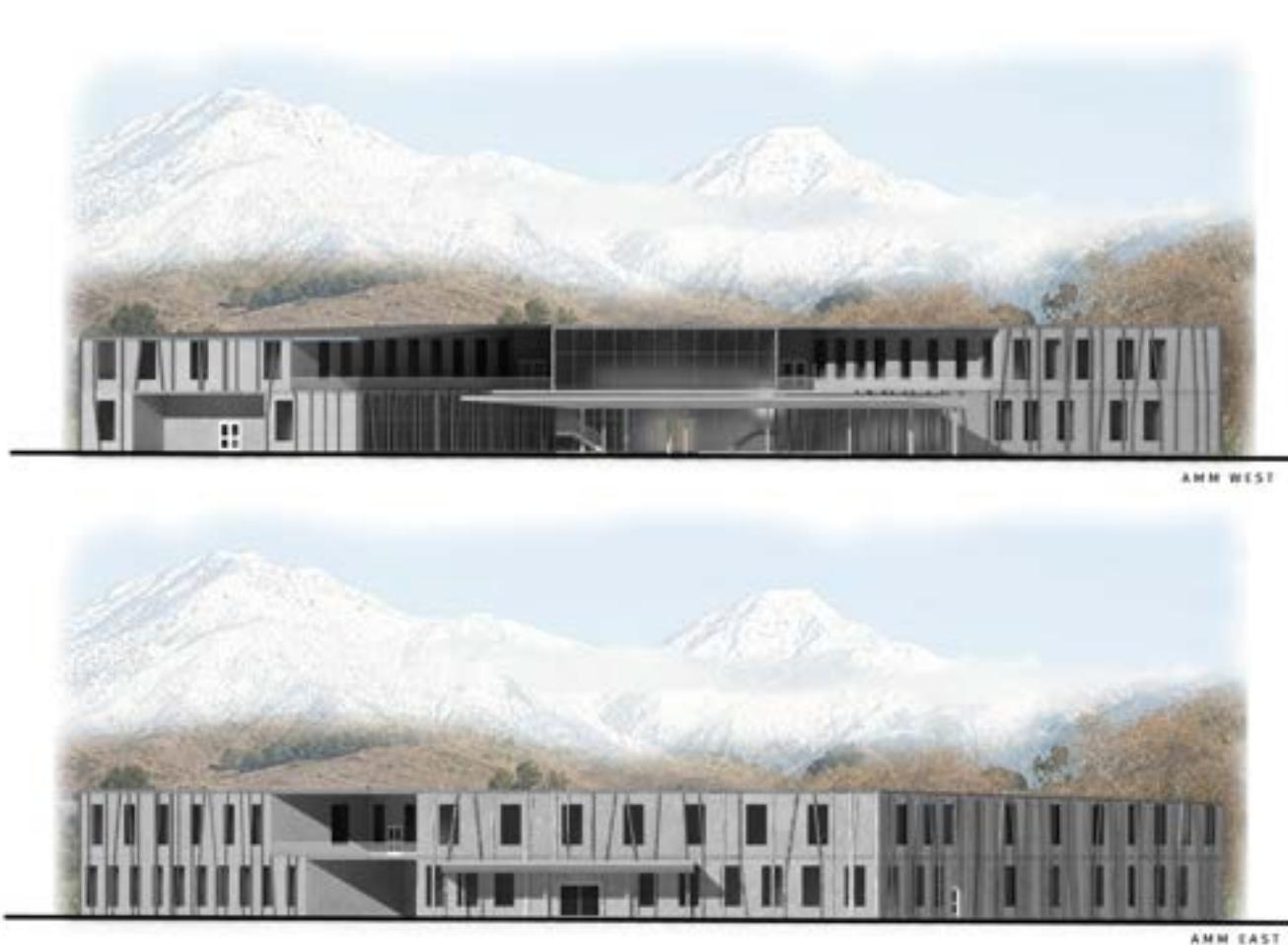
With all these goals in mind, we had developed a plan where public vehicular circulation would be guided through a roundabout and drop off area, and service vehicular circulation would flow through the side roads of the site. The building alignments focused on the views of the surrounding area of Pomona, but enclosed the center of the site for privacy and security. Finally, while motor transportation is ubiquitous, pedestrian parks and landscapes are spread throughout the site in between the parking and buildings to offer a relaxing outdoor experience. Certain areas may only be intended for staff or patients, while others are opened for the public.



Shown: Ancillary Services Micro Hospital Medical Office (AMM) Building - Level 1 Plan, AMM Building - Level 2 Plan, AMM Building - West Elevation, AMM Building - East Elevation,

I personally contributed to the master plan of the health center with the AMM Building. (Ancillary Services, Micro Hospital, and Medical Office) This Building features 2 levels with the main patient entrance from the central roundabout, and ambulance drop off from the private rear side of the building for direct access to the Micro Hospital. Also on the first floor is the MOB, or medical office buildings. This way patients who are only attending for a simple routine checkup have an easy egress to their Primary Care Office. The second floor of the AMM is back of house for staff conferences, lounge areas, and more private treatment rooms for in-patient needs.

Centered on optimizing circulation and program organization within this adventurous site, my exploration delved into the intricacies of medical architecture, a study made even more poignant as it unfolded during the peak of the COVID-19 pandemic. At its core, my vision revolved around creating patient-centric and staff-friendly architectural solutions, addressing the need for a Cal Poly Heath Village.

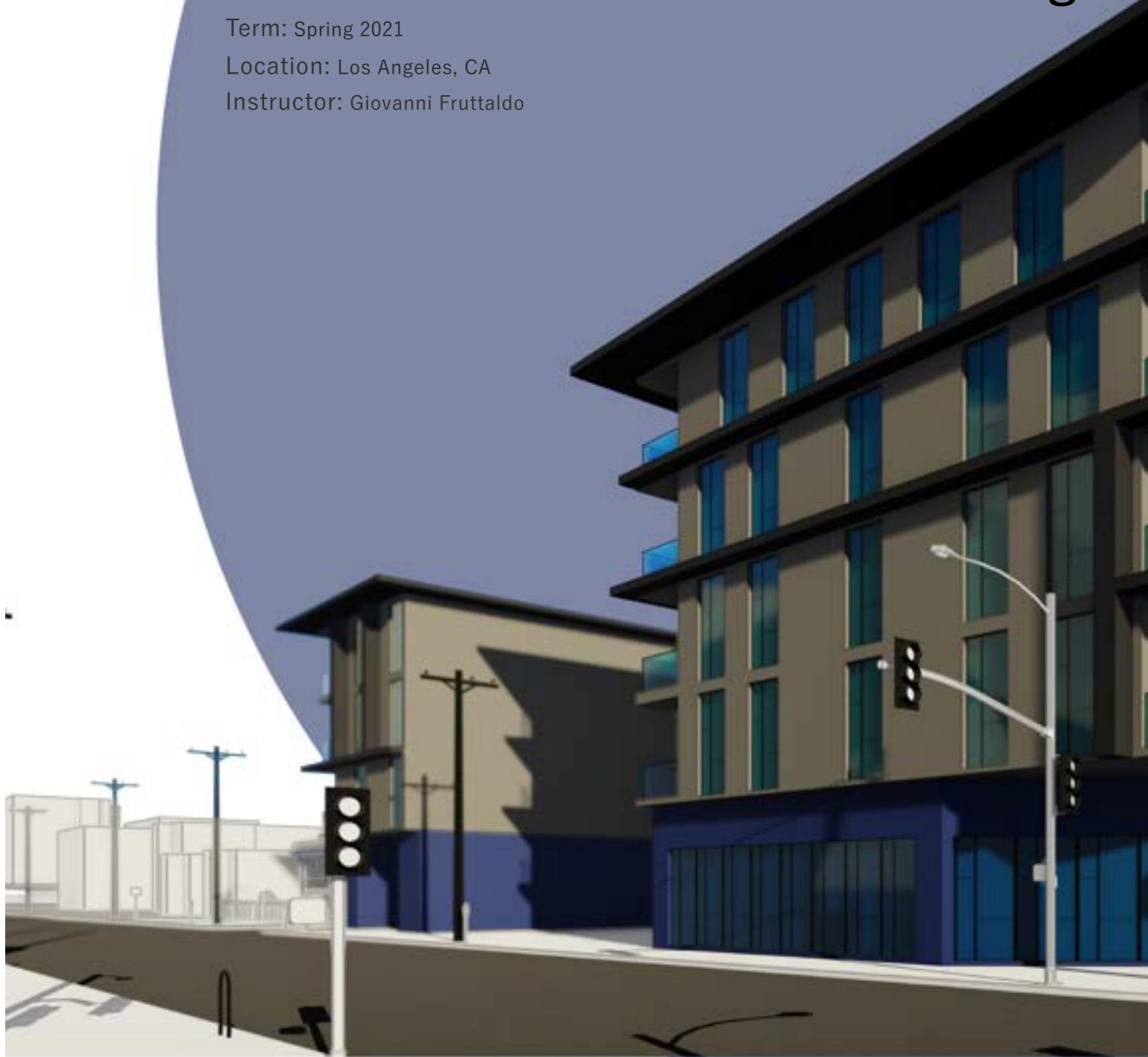


# Multi-Use Affordable Housing

Term: Spring 2021

Location: Los Angeles, CA

Instructor: Giovanni Fruttaldo



Shown: Multi-Use Affordable Housing Apartments in Downtown Los Angeles - Perspective





Shown: Multi-Use Affordable Housing Garage, 1, 2, 3, 4, & 5 - Floor Plans



The combination of Studio units and two-bedroom two-bath units accommodates a diverse demographic from families to individuals seeking shared living arrangements.

My U-shaped massing design ingeniously forms an **inviting void** in the heart of the site, presenting a protected open expanse that **serves** both as an **entrance for residents** and a **public area for retail and relaxation**.

The incorporation of retail spaces with captivating storefronts along the public-facing sides of the building not only offers **commercial opportunities** but also shapes the **pedestrian experience** by controlling circulation.

Situating both **residential and commercial parking underground** enhances the aesthetics of the project while providing necessary **functionality**.

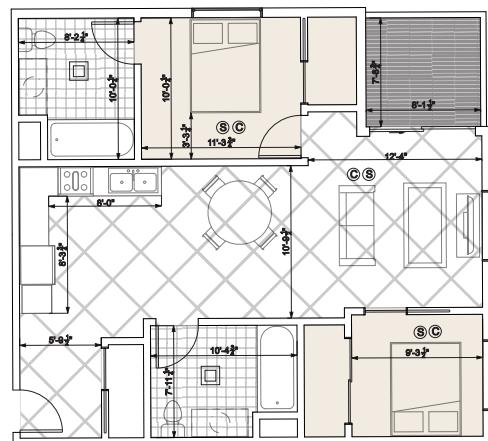
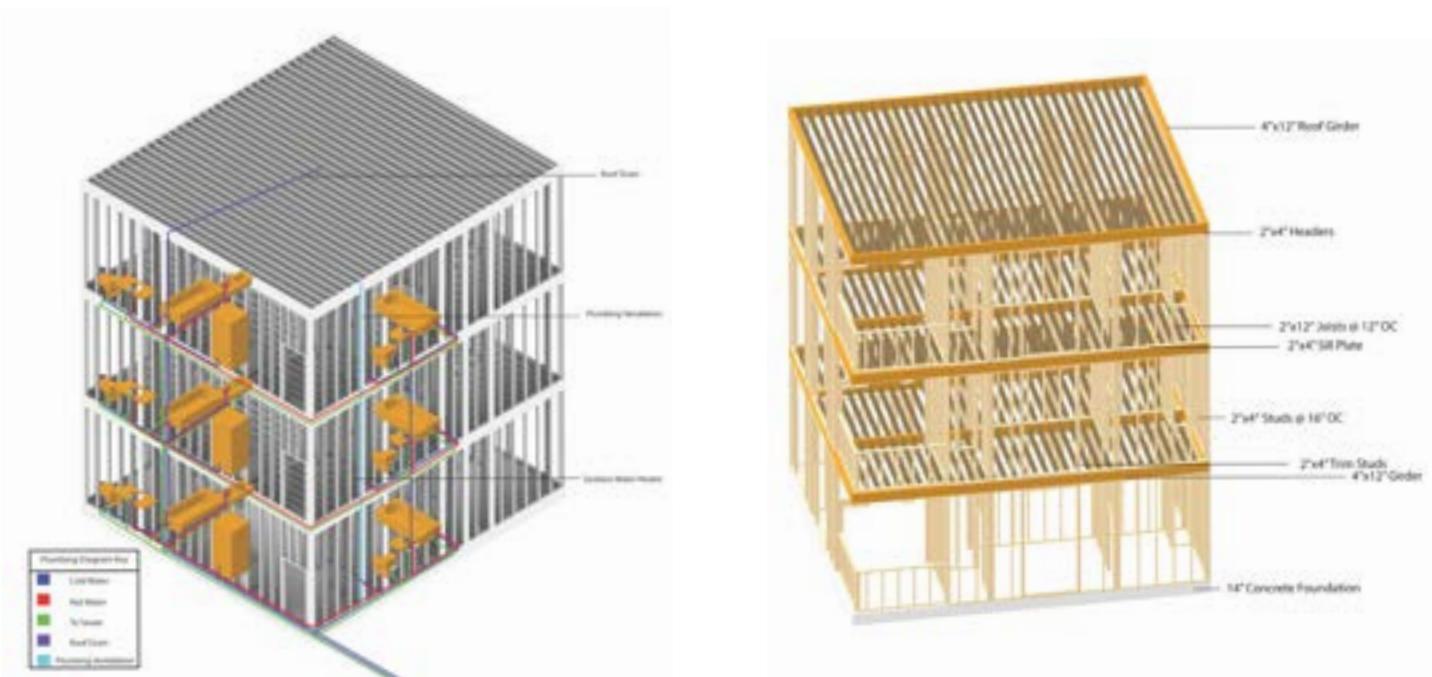
My approach to the layout is evident in the floor plans where the **stacking of units** contributes to efficient organization. Strategically placing **communal amenities** such as the fitness area and an outdoor deck fosters a **sense of community among residents**.

The **inset balconies**, **spacious kitchen**, and **ample natural light** in units are appealing features that enhance the living experience.

My facade design intricately plays with **material composition and extrusions** to create a captivating visual interplay. The utilization of **programmatic windows** and the dynamic presence of a **vibrant blue podium** add character and attract attention.

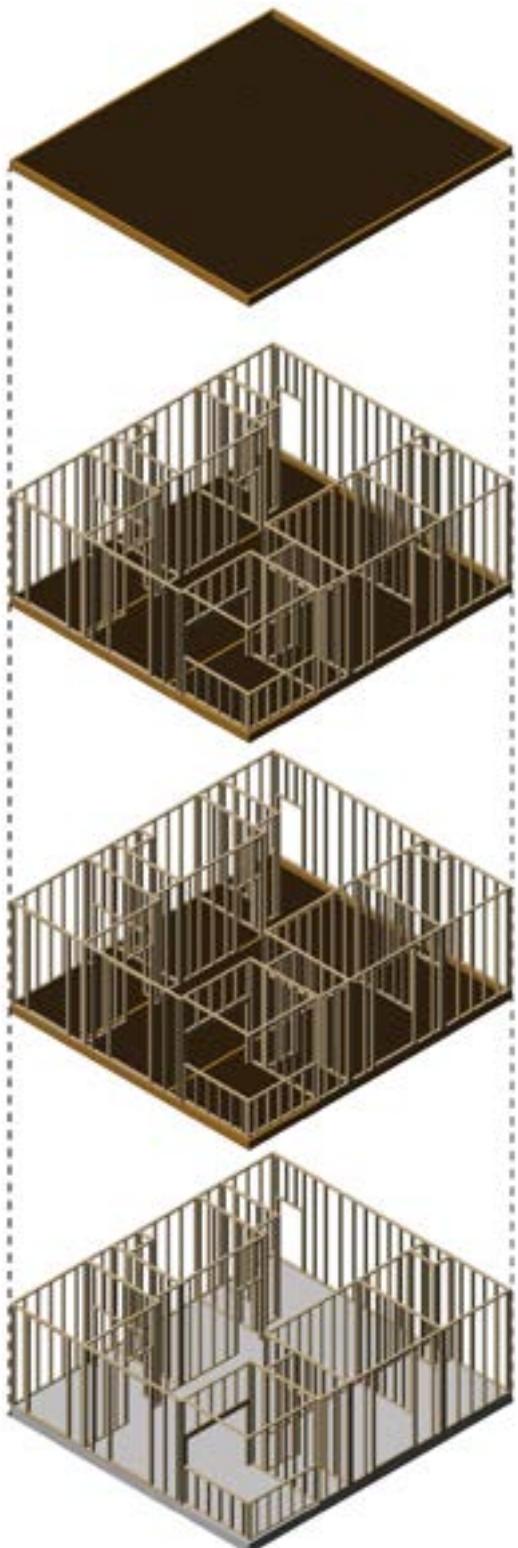
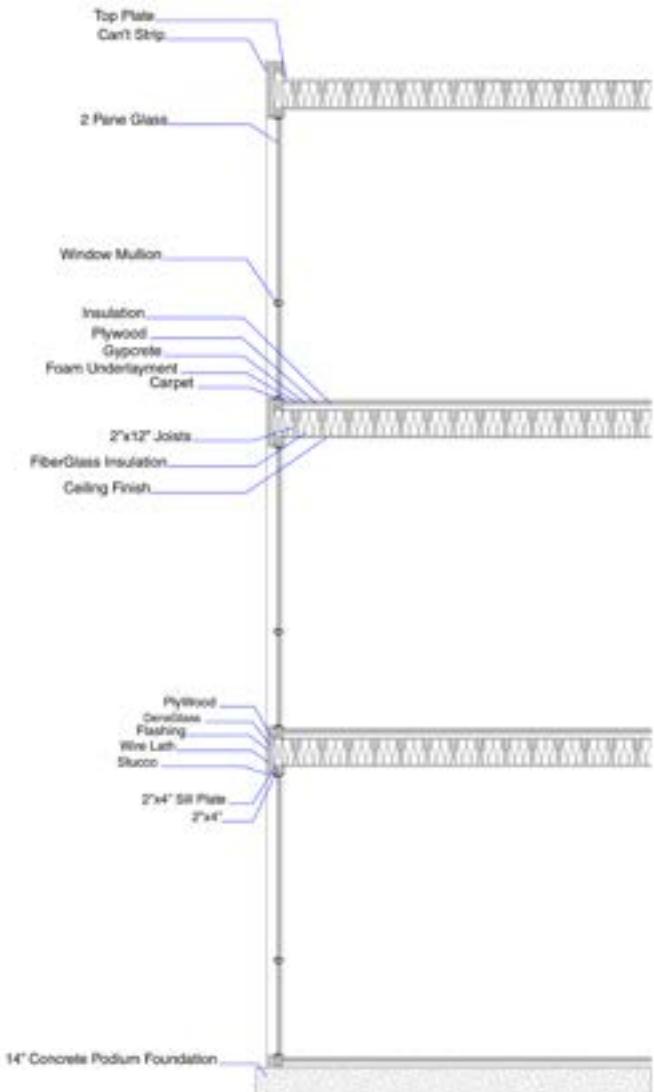
Overall my project aims to **blend functionality, aesthetics, and community interaction** in a holistic approach. With attention to detail in **unit layouts**, **facade designs**, and **consideration of both the residents' needs and the urban context**.





|  |                         |
|--|-------------------------|
|  | Pine 2"x6" Wood Decking |
|  | Diamond Ceramic Tile    |
|  | Triexta Carpet          |
|  | Square Ceramic Tile     |

Shown: Multi-Use Affordable Housing - Plumbing Diagram - Wood Framing Diagram - Detail Wall Section - Exploded Axon Framing Diagram - Standard Unit



# La Nota Tejido

Term: Fall 2022

Location: 2530 E Cesar Chavez Ave, Los Angeles, CA

Instructor: Irma Ramirez

 Group Project Video QR Code

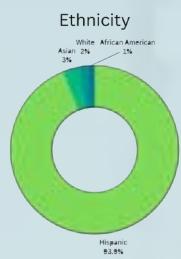
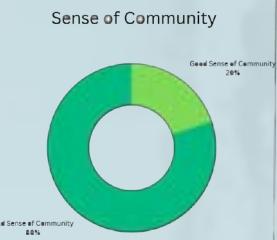
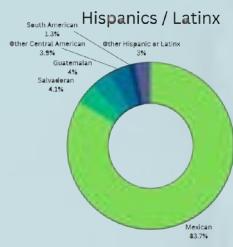
 Video Credits Matthew Rodriguez



Shown: La Nota Tejido, Music Festival and Community Center in Boyle Heights - Site Axon



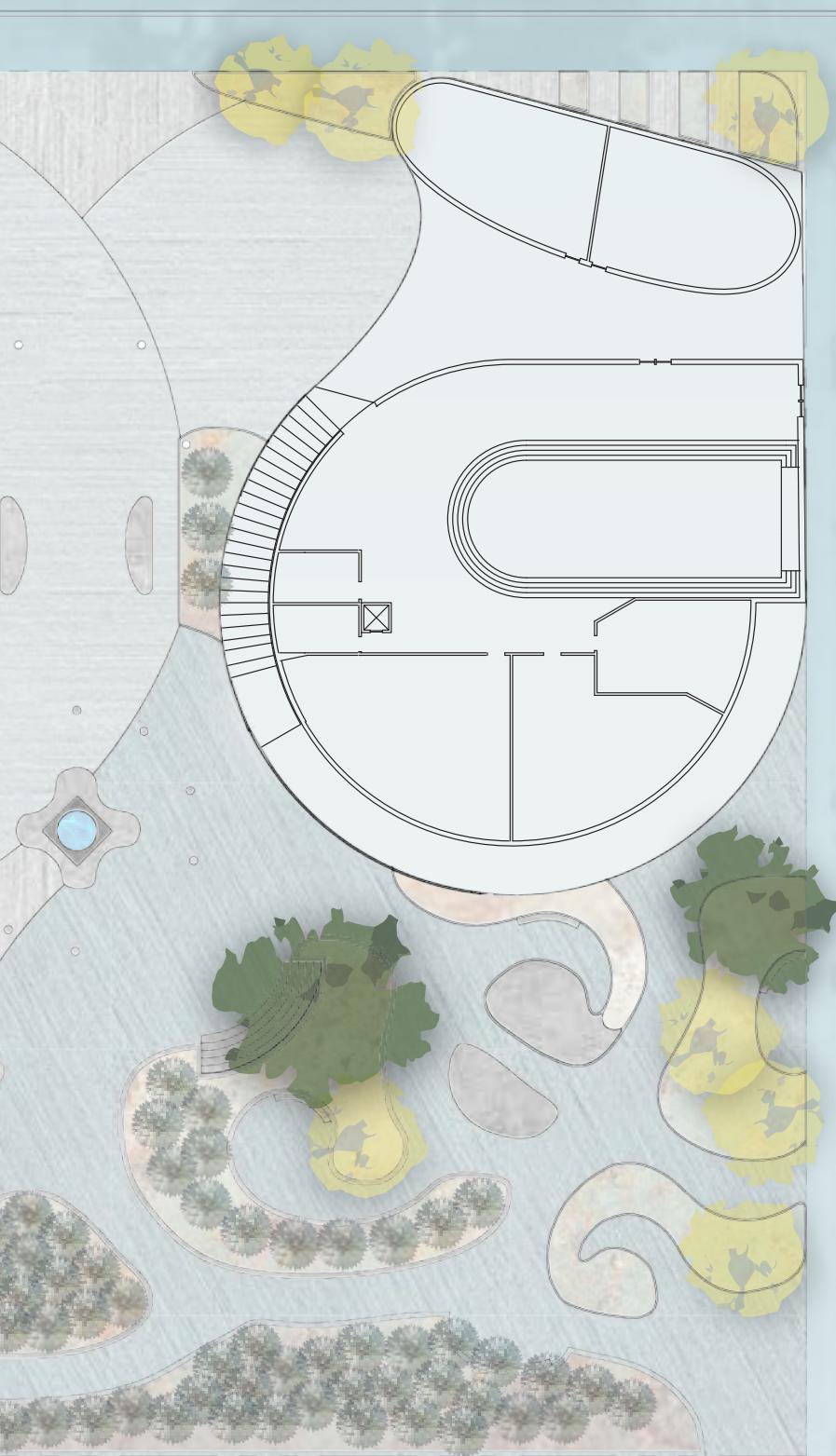
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N MATTHEWS ST

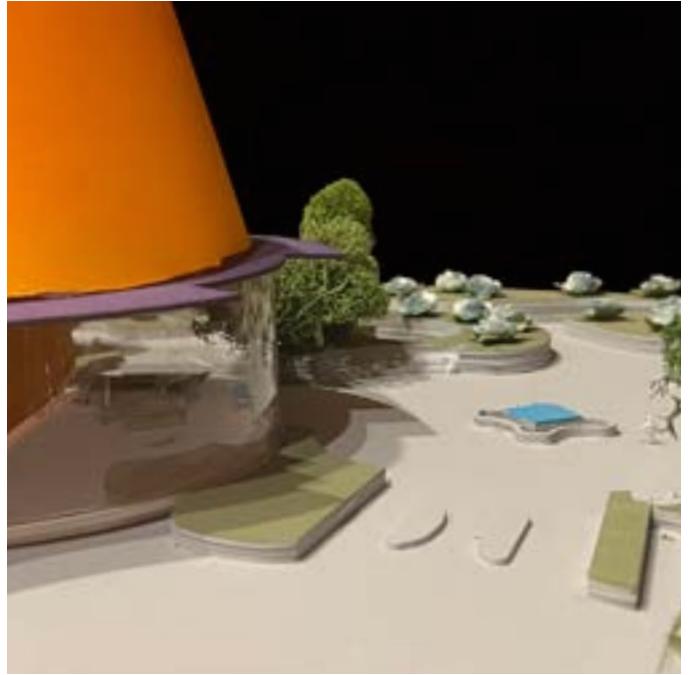
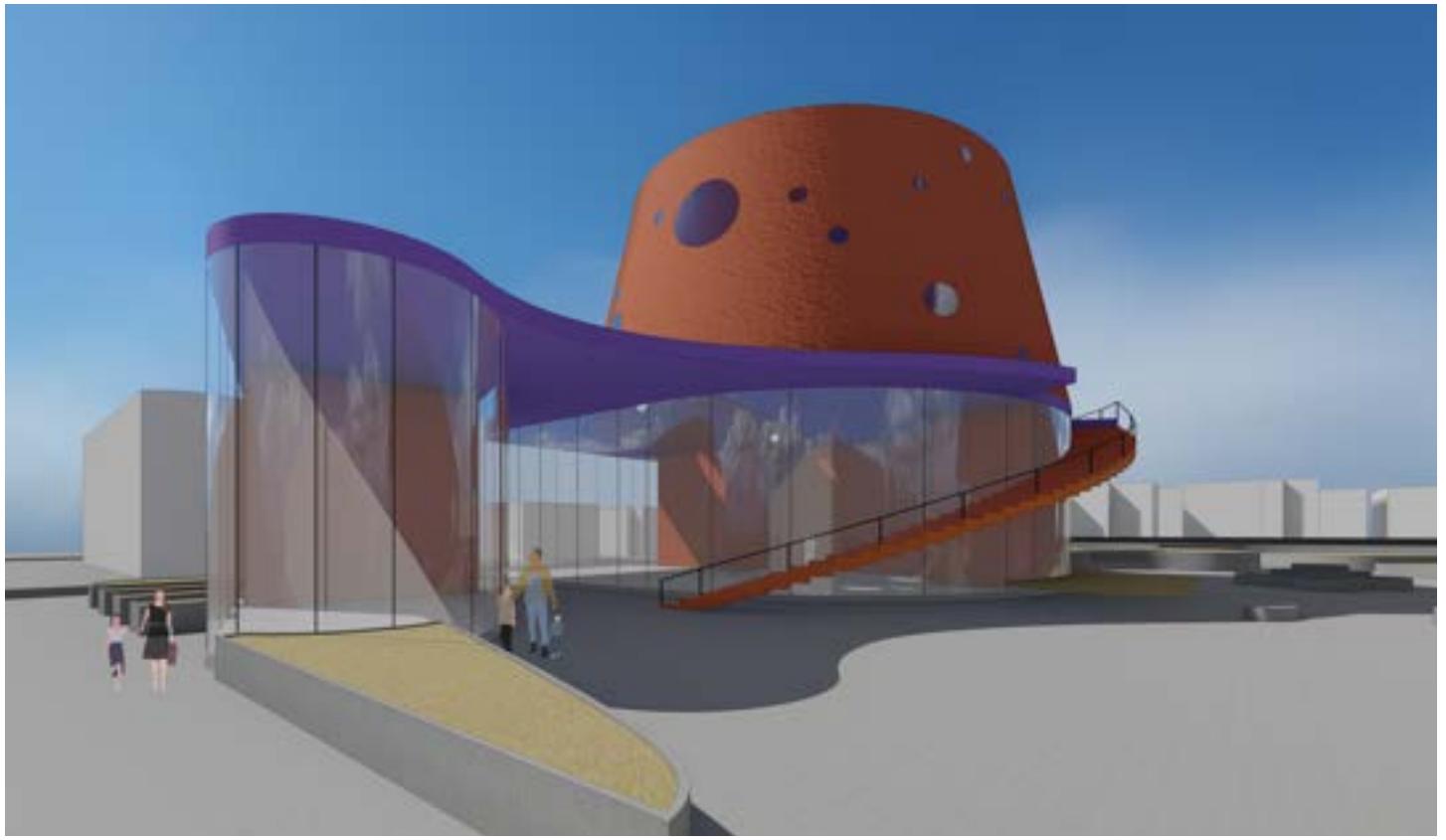


Shown: La Nota Tejido -Site Research - Site Plan - Local Site Research



FICKETT ST



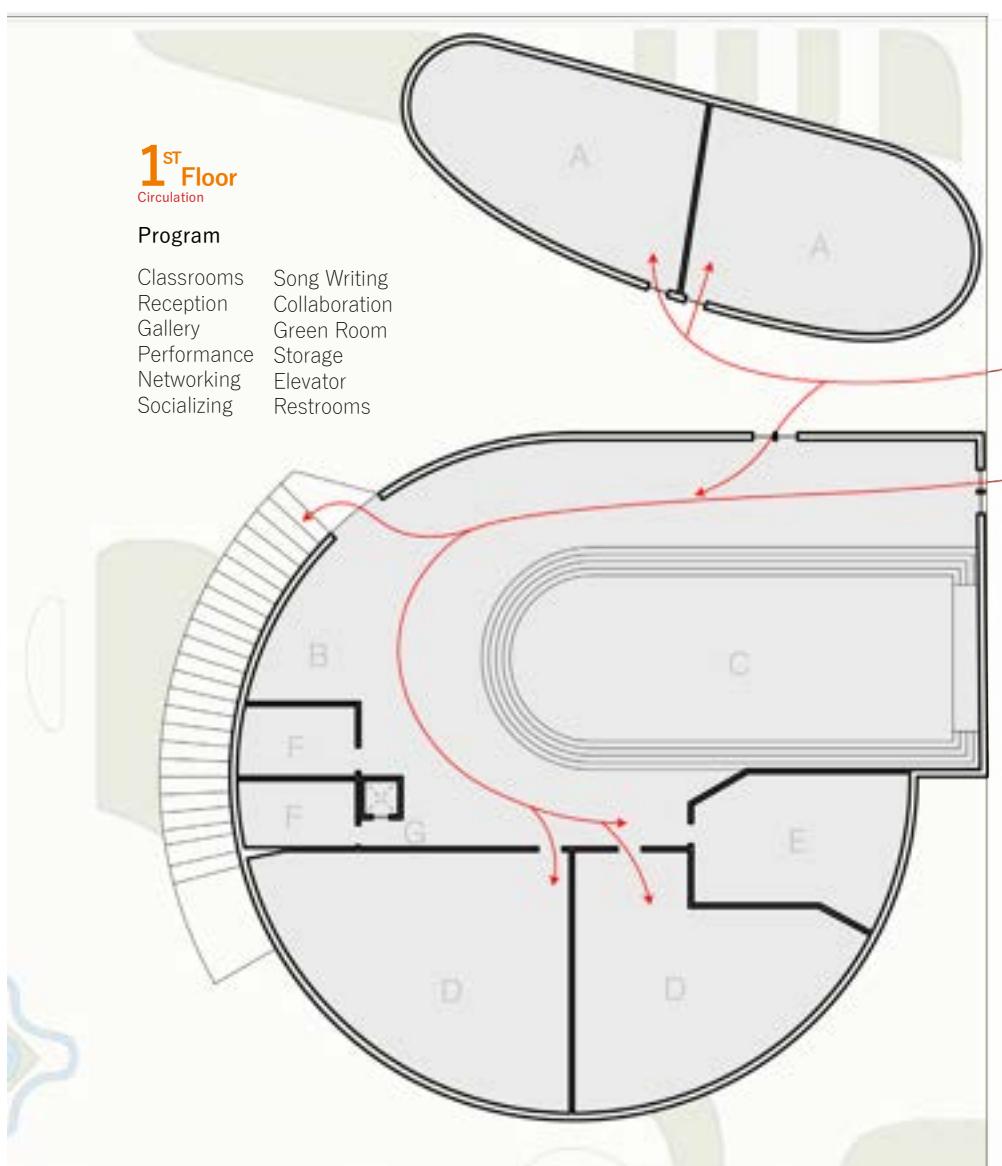
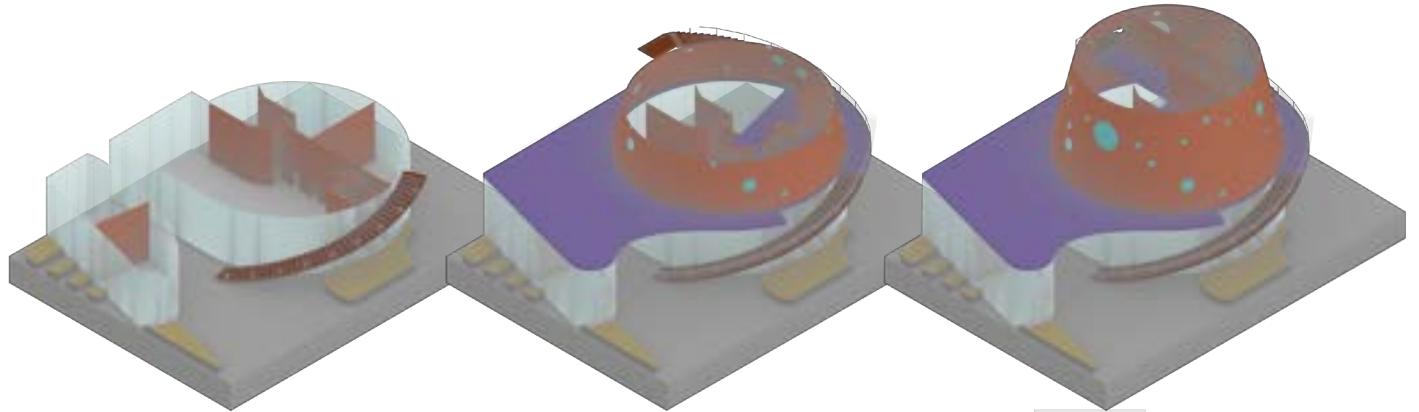


Shown: La Nota Tejido Music Center - Perspective - Model Photos - Section

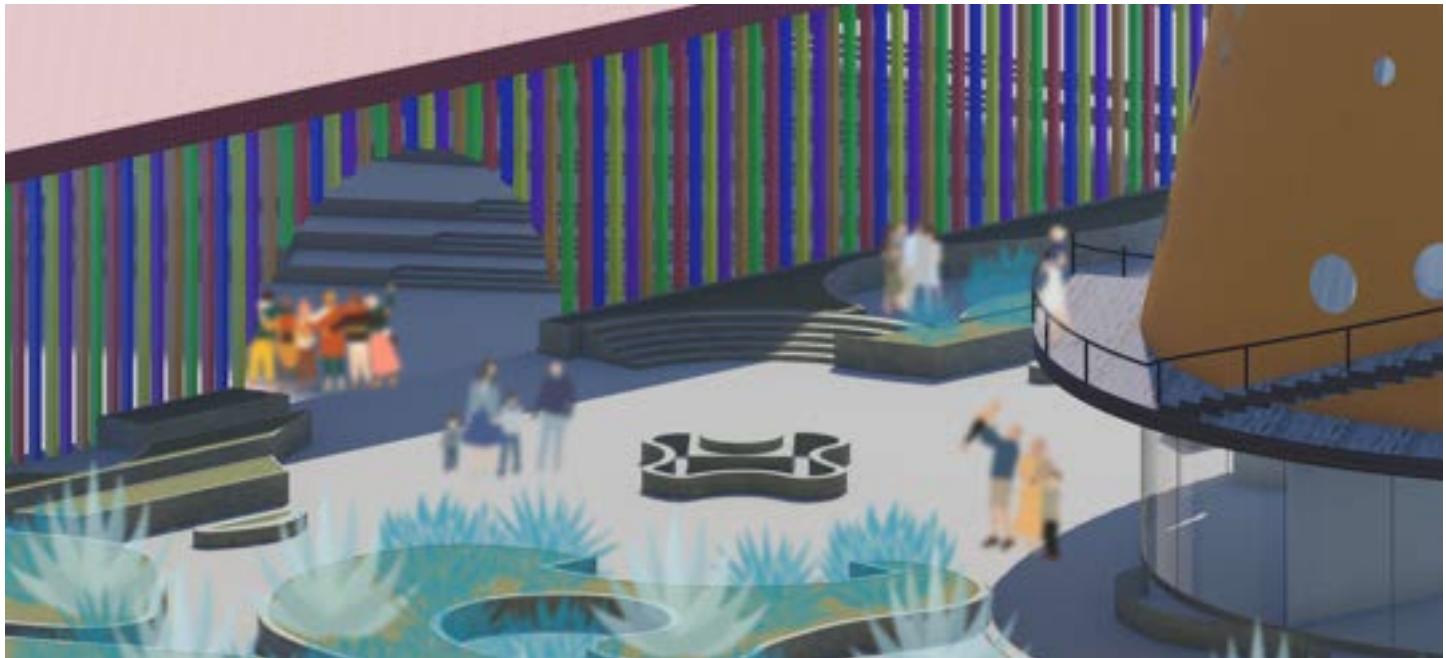
My main involvement in La Nota Tejido was the narrative and design of **Mariachi Preservation & Music Education Studio**.

In the heart of Boyle Heights resides an extraordinary Hispanic culture, a tapestry woven with strength, audacity, and beauty, its roots tracing back to the Spanish Land Grant of 1781. This vibrant neighborhood has also bestowed upon itself the emblem of Mariachi music, with the local Mariachi plaza serving as a resplendent stage for exuberant cultural celebrations. I am driven by a passionate desire to illuminate the intricate process of crafting musical art, an endeavor that becomes a beacon for educating the generations to come about this remarkable cultural gem, thus ensuring the resounding legacy of Mariachi music for decades that stretch ahead. In my pursuit of this vision, I have bestowed each floor with a distinct narrative. The ground floor unfolds as an educational symphony, orchestrated with classrooms, collaborative havens, songwriting sanctuaries, and an inviting performance arena. Here, the harmonious blend of collaboration and song-crafting becomes a platform to entice maestros from the realm of professional music, who will impart their wisdom to ignite the aspirations of budding musical luminaries. On the second floor, a sanctuary of preservation emerges. This thematic realm houses pianos that whisper stories of generations past and guitars that resonate with the soul of mariachi. These chambers embody the act of safeguarding the art by providing the community with the tools to create their melodies, thereby ensuring the perpetuation of Mariachi's melodic heritage. On the third floor, the crescendo of production unfolds. This level serves as an auditory canvas where artists wield the brushes of their talent, weaving records in a space adorned with a recording sanctuary and its meticulous control chamber. Here, creativity is liberated, and musical narratives are crafted. The architectural symphony of the Music Center unfolds as a masterpiece inspired by the very instruments that give Mariachi its soul. It's as if the notes of a guitar, the curves of a violin, the flare of trumpets, and even the echoes of an ancient Meso-American Flute have woven themselves into the very fabric of the design. The structure bears the essence of these instruments in its form and silhouette, with the footprint of the music studio echoing the graceful lines of a guitar and circular windows evoking the timeless mystique of the Ocarina flute. In essence, this endeavor stands as a tribute to the vivacious spirit of Boyle Heights, a harmonious blend of past, present, and future, a living testament to the transcendent power of Mariachi music to unify, inspire, and resonate across time.



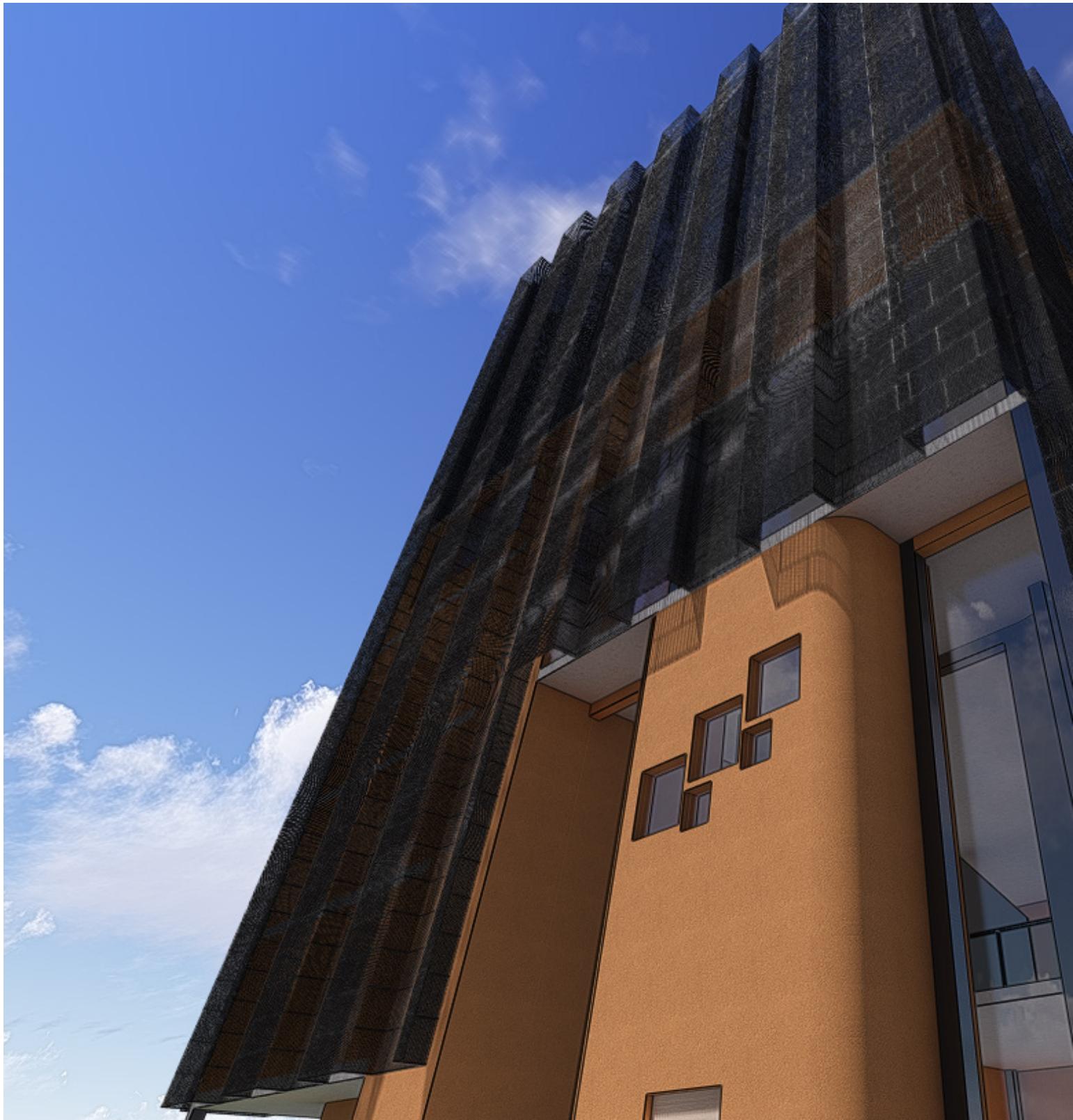


Shown: La Nota Tejido Music Center - First Floor Circulation Plan - Musical Inspiration - Design Narrative

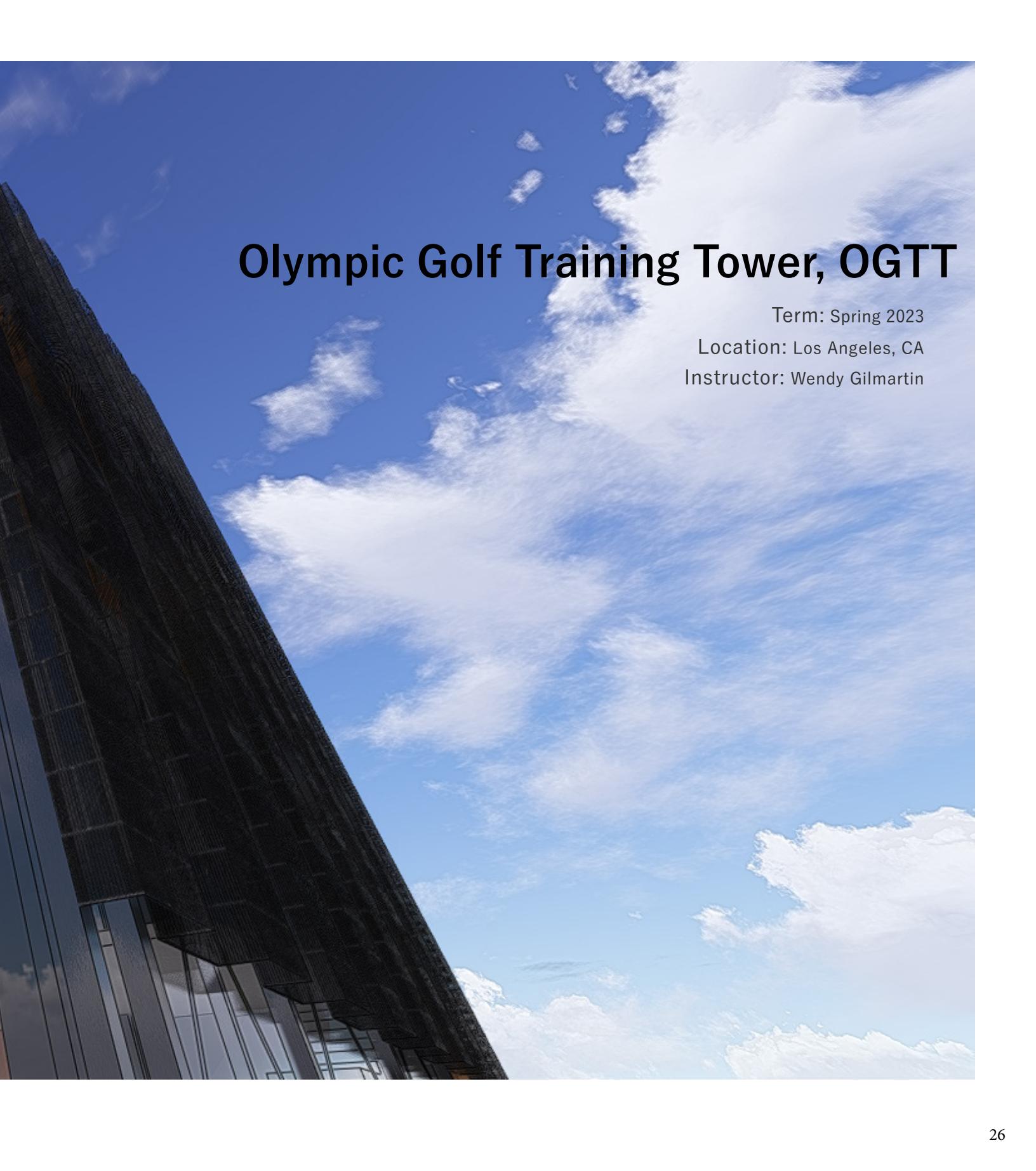


The goal of this project was to create an environment that celebrates the wonder of mariachi music - utilizing the power of music to bring everyone together to celebrate, tightening a bond within the community by promoting a stronger street atmosphere, events, and cultural activities that prompt collaboration, participation, and celebration. Located in the neighborhood of Boyle Heights, this interdisciplinary group project consists of architectures that preserve the mariachi's past, appreciate music in the present, and inspire the mariachi's growth in the future. This site is woven into the historic cloth of Boyle Heights, interlacing Mariachi Music with the bustling avenue of Cesar Chavez, Hence La Nota Tejido (The Woven Note).

*Designed in collaboration with Walt Disney Imagineering*



Shown: Olympic Golf Training Tower (OGTT) Entrance - Perspective

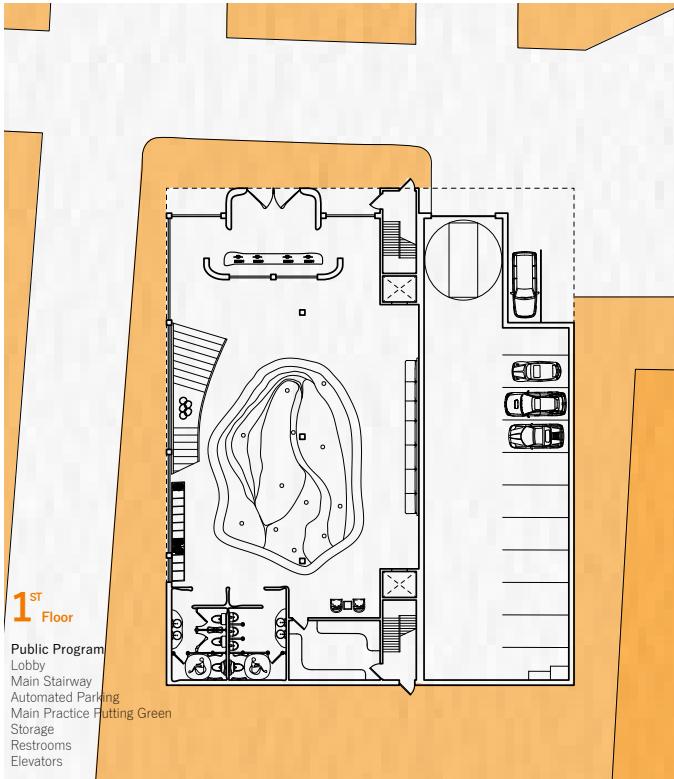
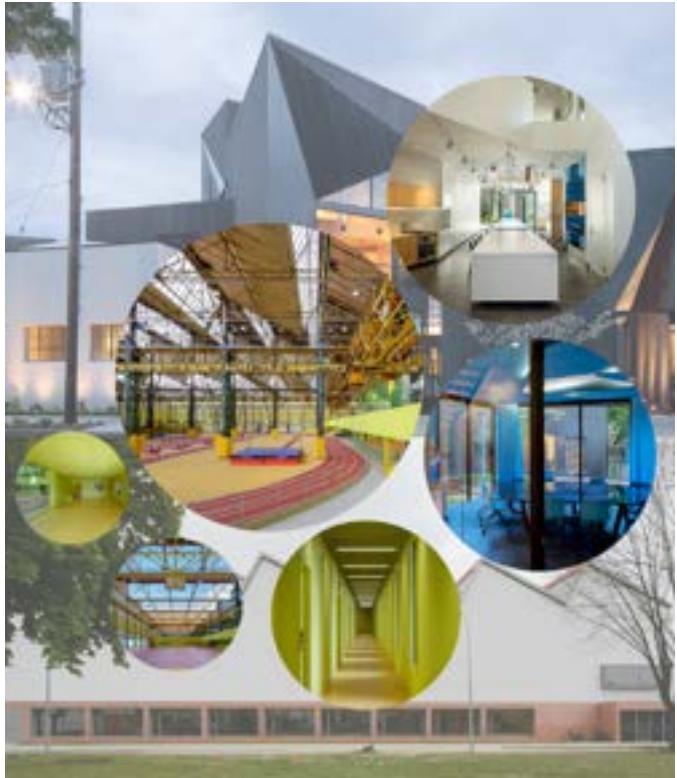


# Olympic Golf Training Tower, OGTT

Term: Spring 2023

Location: Los Angeles, CA

Instructor: Wendy Gilmartin



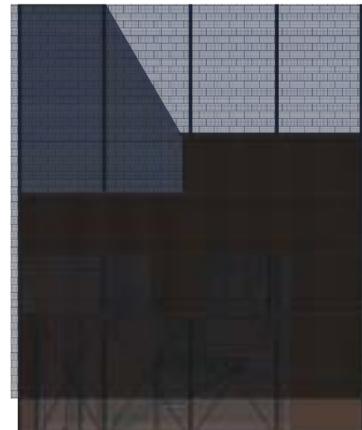
Shown: Olympic Golf Training Tower (OGTT) - Site Plan - Design Inspiration - First Floor Plan - Section - North Elevation - West Elevation

In the pursuit of designing for a sustainable future, I have explored how our contemporary perspectives on design and architecture can guide us toward creating enduring structures that will remain efficient for centuries to come. This exploration led me to question: How can I effectively design in a sustainable manner, considering the unpredictable path that lies ahead?

To find answers to this question, I turned my attention to the world of golf—a sport that I not only personally enjoy but also one that holds a place in the prestigious Olympic Games. The Olympic Games embody the spirit of friendly competition, offering athletes from around the world the opportunity to showcase their skills and earn honor and respect among nations. However, I came to realize the unfortunate reality of Olympic architecture: once the Games conclude, the structures are often abandoned, left to be reclaimed by the local environment, resulting in a wasteful outcome.

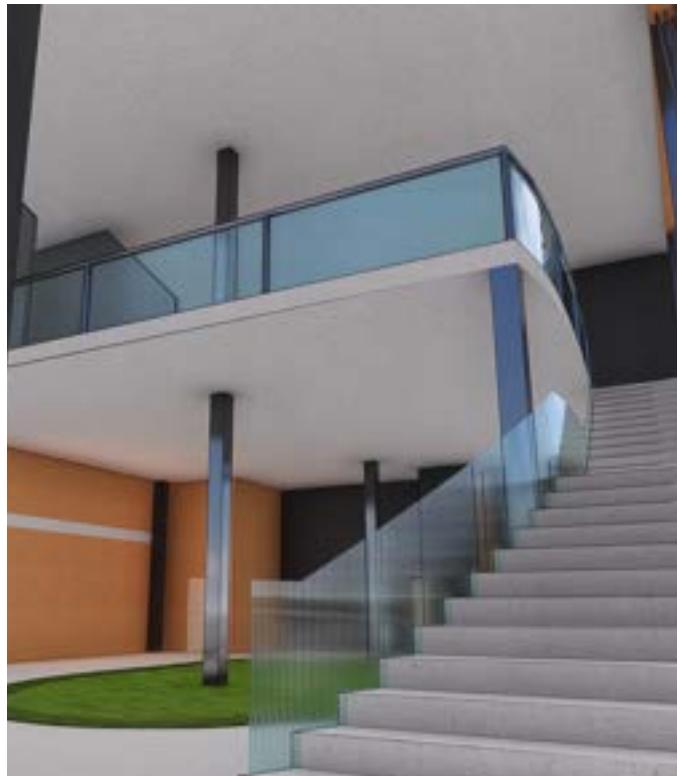
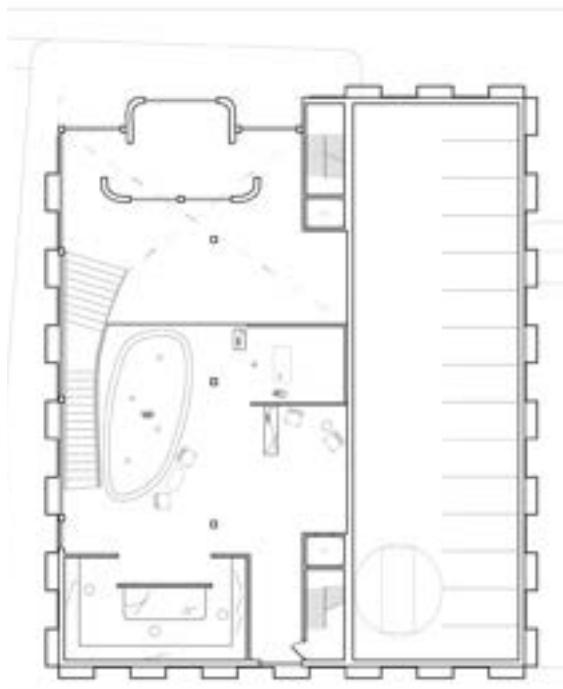
Motivated by the desire to address this issue, I embarked on a quest to discover sustainable architectural solutions that have been implemented in the most esteemed international competitions. With this objective in mind, I have conceived the concept of a local Indoor Golf Training Complex situated in Downtown Los Angeles. The primary aim of this design is to provide a dedicated space for Olympic golf competitors to train for the 2028 Los Angeles Olympics. Simultaneously, I envision this complex as a lasting legacy for the local community, offering opportunities for recreational and social engagement centered around the game of golf.

By creating this Indoor Golf Training Complex, I aspire to achieve a harmonious balance between the needs of our Olympic athletes and the desires of the public. The facility will serve as a state-of-the-art training ground, incorporating advanced technologies and tailored programs to support athletes in honing their skills and achieving peak performance. Additionally, the complex will be designed with sustainability at its core. Utilizing Eco-friendly materials, energy-efficient systems, and thoughtful design strategies, we aim to minimize our environmental footprint while ensuring the comfort and satisfaction of all users.



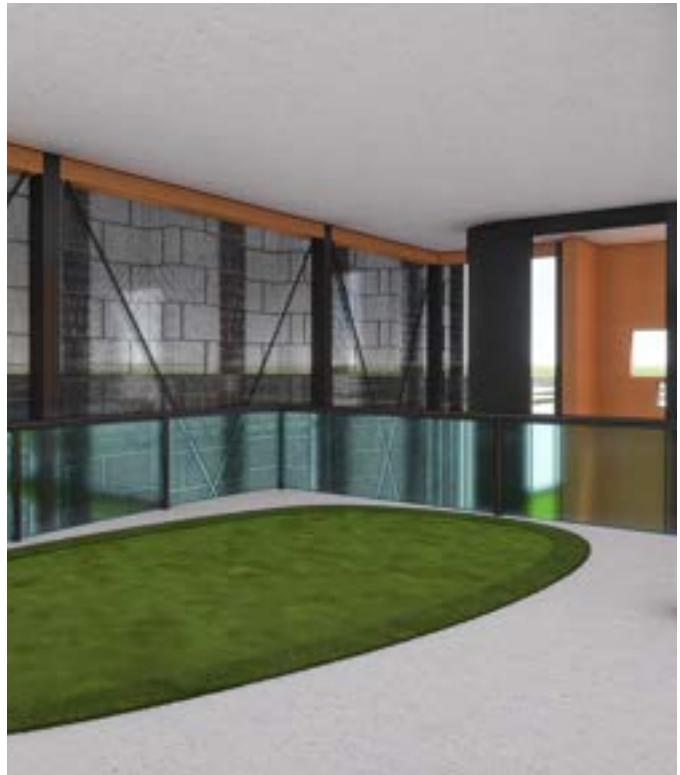
## 2<sup>ND</sup> Floor

**Public Program**  
Second Floor Overlook  
Custom Club Fitting  
Practice Putting Green  
Club Testing Golf Simulator

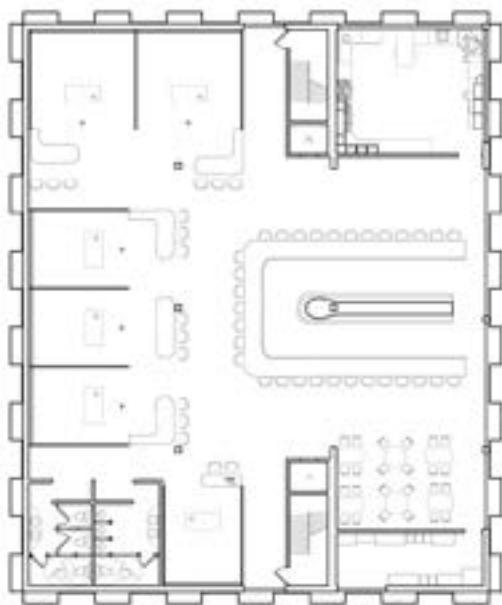
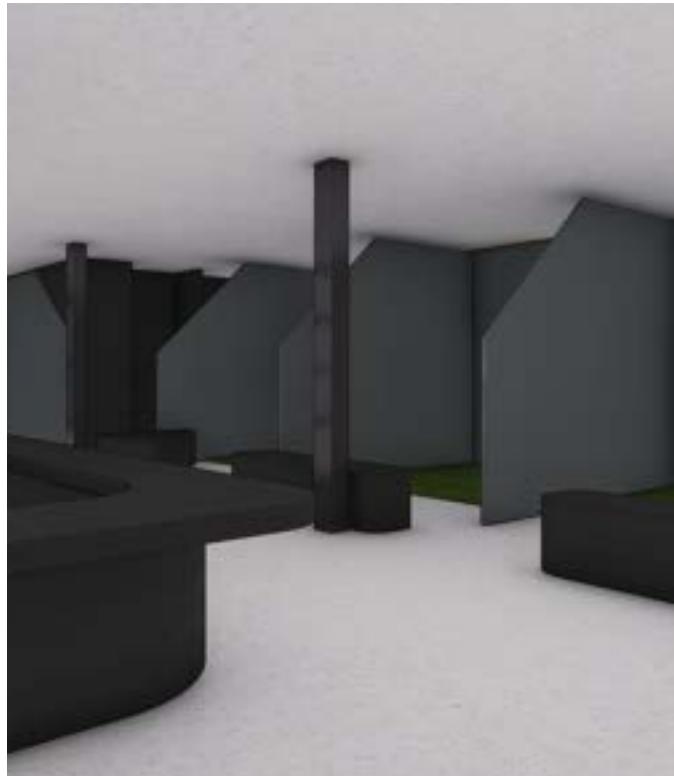


## 3<sup>RD</sup> Floor

**Private Program - Athletic Training**  
Strength Training  
Cryo Recovery  
Instruction Golf Simulator Lab, 3  
Warm-Up Station, 2  
Instruction Practice Putting Green  
Office/Back of House Operations  
Restrooms

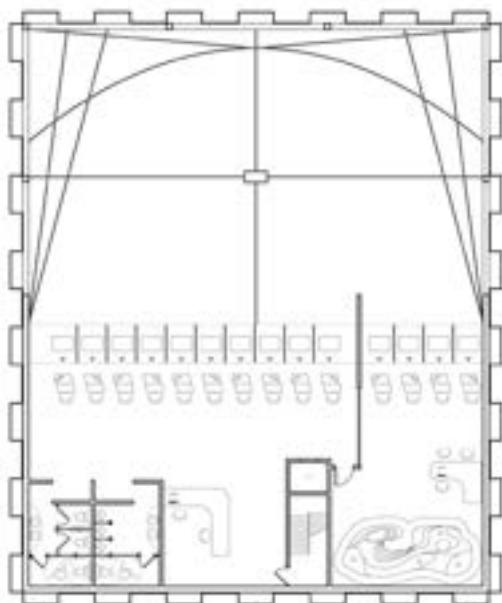


Shown: Olympic Goft Training Tower (OGTT) - Site Plan - Design Inspiration - First Floor Plan - Section - North Elevation - West Elevation



4<sup>TH</sup>  
Floor

**Public Program**  
Center Bar  
Golf Simulators, 6  
Kitchen  
Seating  
Storage  
Restrooms



5<sup>TH</sup>  
Floor

**Public Program**  
Roof-Top Golf Range  
Range Ball Table  
Restrooms

**Private Program - Athletic Training**  
Roof-Top Golf Instruction Range  
Advanced Practice Short-game