

A HOME FOR CHAMPIONS

Campus, Community, and Competitive Excellence



View of Gymnasium and Aquatics Center Entry from Drop Off

EXECUTIVE SUMMARY

OUTCOME

STRATEGIES

A “Home for Champions” – Mt. San Antonio College has completed an all-new 32-acre athletics precinct, fully redeveloping the historical Hilmer Lodge Stadium site and surrounding areas. The project honors a rich 75-year college athletics heritage while providing current and future generations of Mountie athletes and surrounding communities with a state-of-the-art facility supporting community wellness and continued competitive success. The 685,000 GSF complex includes a new 12,000-seat Stadium with a Fieldhouse, a new Gymnasium, an Aquatics and Wellness Center, a Tennis and Parking Structure, and Athletics Division offices and Hall of fame.

GOALS

- Create a unified athletics neighborhood for the campus.
- Establish a draw for significant local and national athletic events.
- A top-level athletics facility for a community college
- Form a hub for Community, Campus, and Competition
- Create a community and campus magnet for health and wellness
- Celebrate and promote Mt. SAC’s 75-year athletic heritage and accomplishments.
- Focus on strengthening campus identity.
- LEED Silver Minimum
- Create pathways to the athletics neighborhood from the heart of campus and community transportation hub.
- Improve the arrival experience onto the campus.
- Improve community access pathways for walking and biking
- Preserve key features of the historic athletics program including cross country course and favorable wind orientation of track events.

BALANCE OF UNIQUE IDENTITY & CAMPUS PALETTE

GATEWAY TO ATHLETICS & CAMPUS

Billboard

YOU ARE HERE

History of Athletics

RECRUITMENT RECRUITMENT

SHARED EXTERIOR SPACES BUT INTERIOR DEDICATED SPACES

MT. SAC HERITAGE STORY-TELLING THROUGHOUT

BALANCE OF PE/KINESIOLOGY WITH ATHLETICS

Versatility in Function

A FACILITY EVERYONE WANTS TO COMPETE & BE AT

HOSTING ATHLETIC AND COMMUNITY EVENTS & BANQUETS AT HERITAGE HALL

MULTI-USE & FLEXIBLE SPACES

Inspiring Space

POW!

DOMINANCE

STUDENT & STUDENT-ATHLETE SUCCESS

HERITAGE HALL EXTERIOR EXHIBITS

INVITING BUT SECURE

ENCOURAGE STUDENTS TO STAY ON CAMPUS

THE COLLEGE OF CHAMPIONS DID NOT DISAPPOINT

“We are very excited and still can’t believe we are moving into this amazing facility. Truly one of a kind. Your team knocked this entire precinct out of the park!”

- Marc Ruh / Asst Director of Athletics / Head Men’s Water Polo and Men’s Swimming Coach



SCOPE AND BUDGET

PROGRAM SCOPE

- 10,500 Seat Stadium
- 4 - Level Field House
- Ticketing, Concessions and Support Buildings
- 9-Court Tennis & 675 Spot Parking Structure
- 2 Court Kineseolgy Building
- Aquatics Center
- Wellness Center
- Heritage Hall
- Athletics Division Offices
- 90'x38' All Digital Stadium Scoreboard
- Pedestrian Bridge
- All-New Site and Landscape

SITE AREA
31 ACRES

BUILDING AREA
685,867 SQUARE FEET

CONSTRUCTION COST
\$191M DOLLARS





SCHOOL AND COMMUNITY ENGAGEMENT


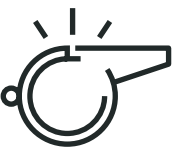



SCHOOL AND COMMUNITY ENGAGEMENT

Community

Mt. San Antonio College has grown to be the largest single-campus community college district of California’s 114 community colleges. Its geographic boundaries encompass 189 square miles in the southeastern portion of Los Angeles County, with 40 percent of its approximately 30,000 students residing outside of the colleges geographic district boundary in the city of Walnut and surrounding communities. The Colleges new Physical Education Precinct supports a community of 800 Student Athletes across 23 sports looking to train and compete to their fullest potential. The facilities reaches is worldwide through annual programs like the Mt. SAC relays, and cross country invitational, that draw thousands of athletes and many more spectators from around the nation and world to compete at a campus that prides itself as the place **“Where the World’s Best Athletes Compete.”**



Stakeholders

-  Faculty
-  Coaches
-  Student-Athletes
-  Technology and Events Staff
-  Planners



School and Community Engagement

Challenges

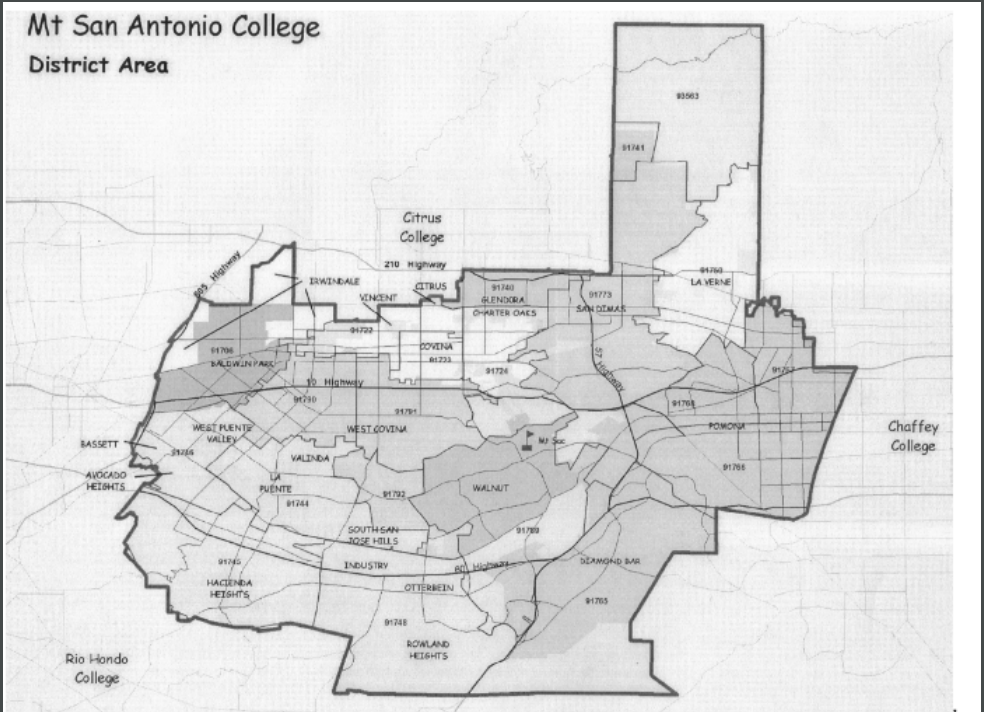
While the college runs a highly successful community college athletics programs, and supports vibrant community swim programs, the age and poor condition of the existing facilities and capacity to meet the growing demand of their programs paired with a knowledge that they could achieve greater levels of impact to their community and student athletes were significant drivers to create a new athletics precinct with facilities that reflect the high quality of programs.

- **Aging Facilities-** Existing facilities are outdated and unable to meet growing program demands. A new athletics precinct was needed to reflect program quality and community impact.
- **Athletic Program Reorganization-** Prior to the new precinct, programs were scattered across campus, hindering accessibility and collaboration. The goal was to create a unified athletics neighborhood, fostering stronger connections among student athletes and staff, and enhancing resource sharing.
- **Preserving Historic Cross-Country Course-** The renovation project aimed to maintain the historical cross-country course while improving spectator experience. Design decisions were made to preserve the course's route and topography while enhancing conditions for both athletes and spectators.
- **Optimizing Pedestrian Flow-** Existing facilities had issues with pedestrian flow, causing delays and requiring extra staff for crowd control. The new design focused on coordinated pedestrian and athlete traffic flow. Creative solutions like grading, split-level entries, sloped walkways, and pedestrian bridges were incorporated to ensure smooth movement of athletes, coaches, and spectators.
- **Managing Multiple Phases-** Coordinating five distinct project phases was a challenge. A detailed plan was developed, starting with stadium and site grading, followed by parking structure, heritage hall, and concluding with the new gymnasium and aquatics center. Continuous evaluation and collaboration ensured efficiency, reduced waste, and maintained budget control.

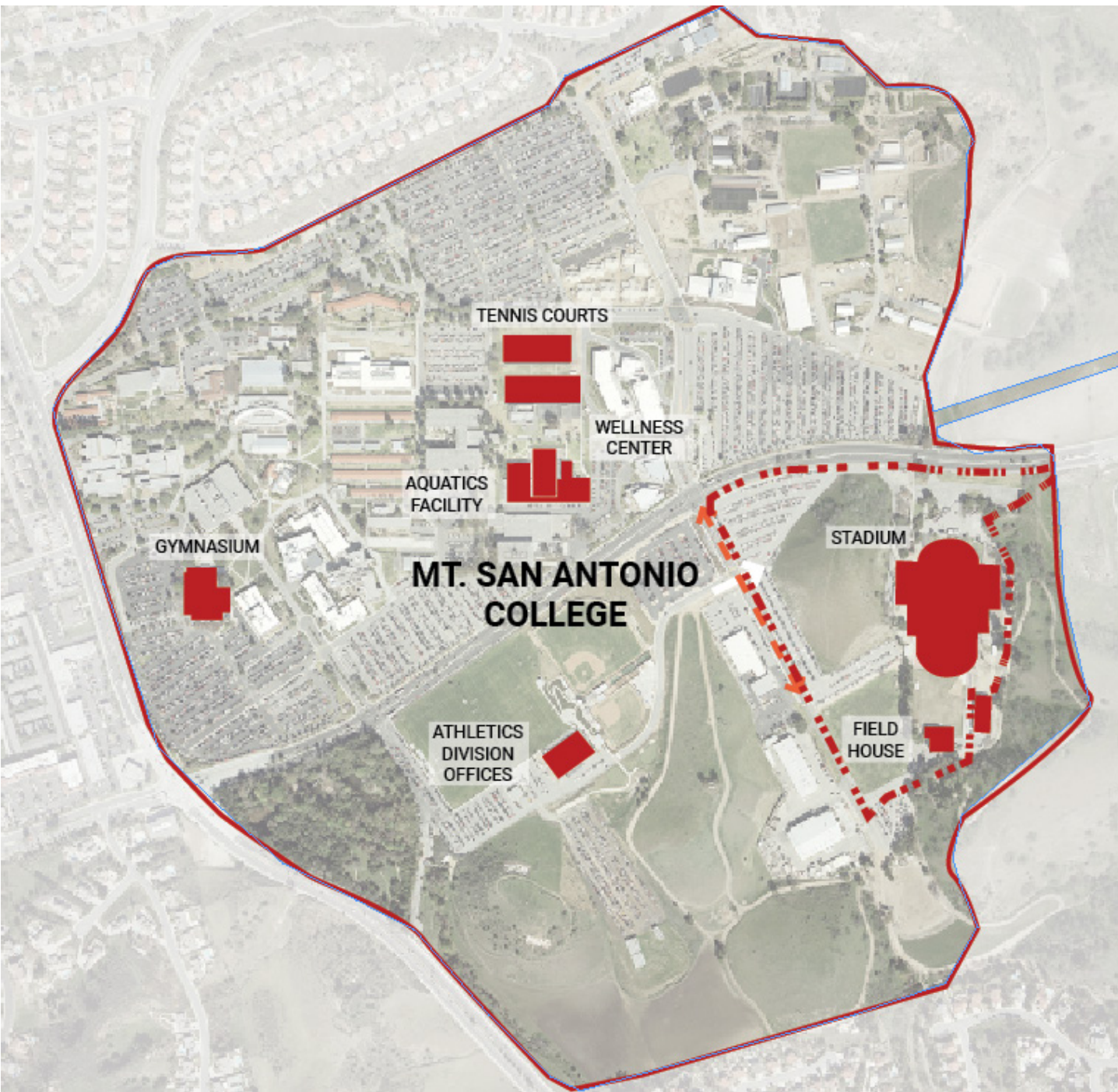
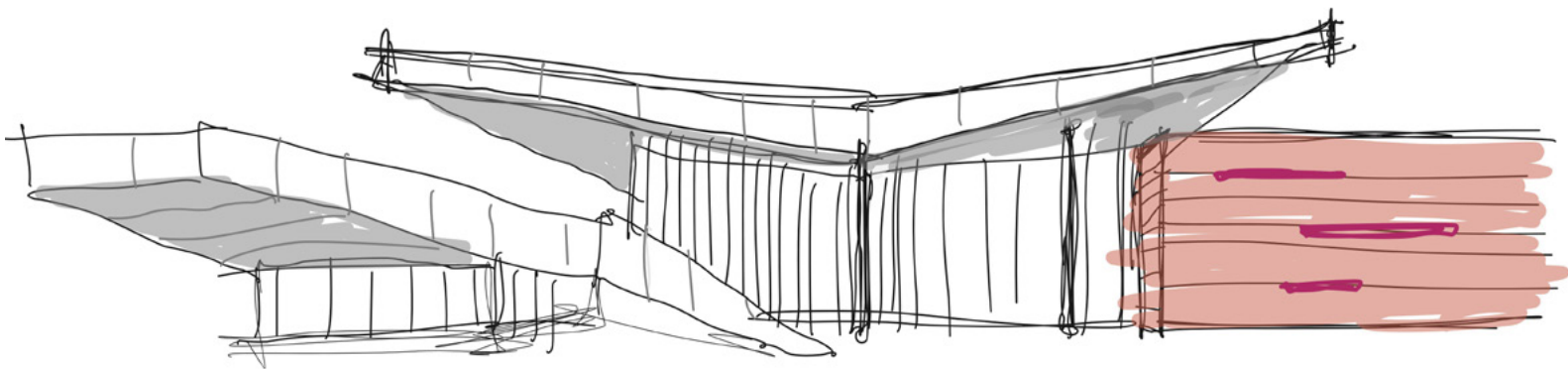


Celebrating a Rich 75-Year Athletic Heritage

Of key importance to the user group was that the rich history and array of achievements of the athletics programs at Mt. SAC be celebrated. In conjunction with the design of Heritage Hall, the PEP project seeks to serve as an extension to the exhibit spaces of Heritage Hall. Highlighting the immense achievements and records of Mt. San Antonio College's athletics programs, the project seeks to act as a display both within the building and through opportunities for site features and monuments.



School and Community Engagement



Improving Community Environment

The process and project hold immense value for the community, as they were shaped through extensive collaboration and engagement with various stakeholder groups. By involving student-athletes, faculty, coaches, planners, technology experts, and events staff in frequent planning sessions, the project ensured that it addressed the diverse needs and aspirations of the community.

The project serves as a testament to the community's commitment to the community's health and well-being. The incorporation of the Healthy Living Loop not only promotes physical activity through walking, jogging, and bicycling but also provides a safe and accessible space for community members to engage in healthy lifestyle.

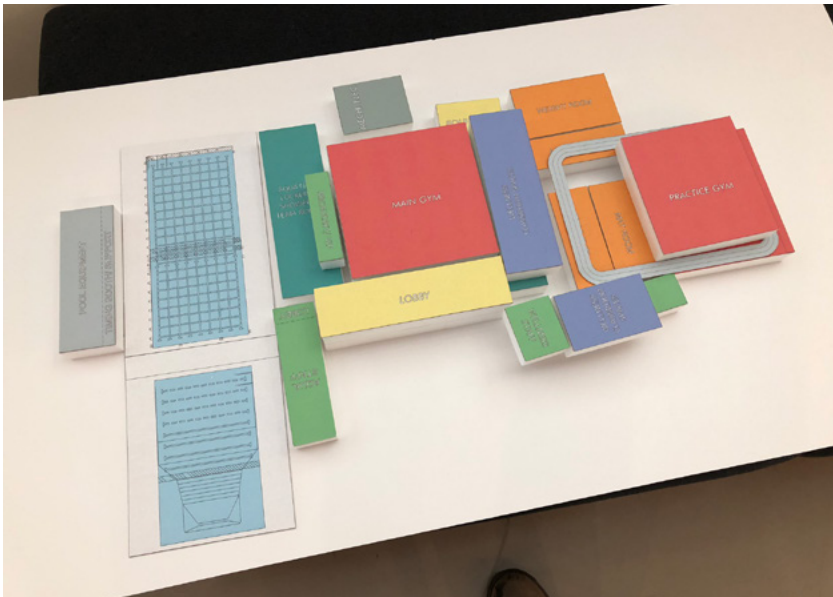
Additionally, the project adds significant value by enhancing the educational experience for students. As a training and education facility, it provides a conducive environment for learning, skill development, and personal growth. The facility's dual nature as both an educational hub and a premier competition and event destination ensures that students have access to top-notch resources and opportunities, fostering their overall development.

Furthermore, the project serves as a hub for community engagement and social interaction. By creating a cohesive design that accommodates diverse needs, the facility becomes a focal point for community gatherings, sporting events, and recreational activities. This sense of community fosters social bonds, encourages teamwork, and promotes a shared sense of pride among community members.

Available assets

Athletics staff with immense knowledge of sports and athletics needs are the most valuable asset to the project. During design, they identify promoting inclusiveness and a shared experience for everyone as the key planning strategies. The team located all the athletic competition areas, practice fields, and throwing areas on a single level to achieve this. By removing the stairs and ramps, the team also eliminated the barriers and hazards to the vision-impaired students and staff.

Although there was discussion during the design process regarding abandoning this strategy to save design costs, the team strongly advocated for keeping the design intact. The result is a fantastic facility where all barriers have been eliminated for the athletic flow of athletes, coaches, and officials.



EDUCATIONAL ENVIRONMENT



EDUCATIONAL ENVIRONMENT

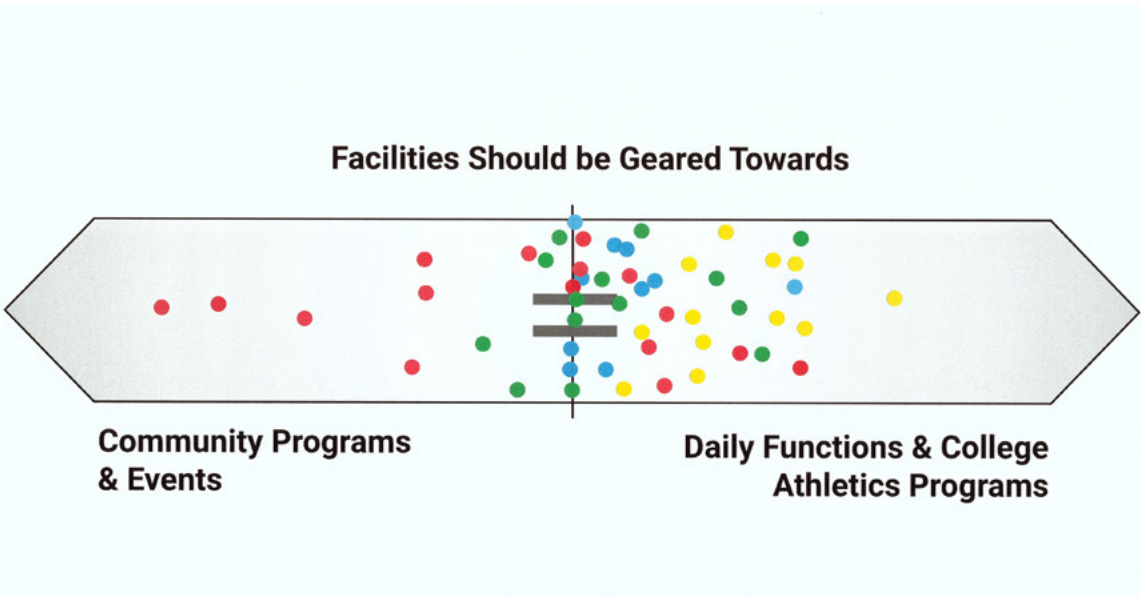
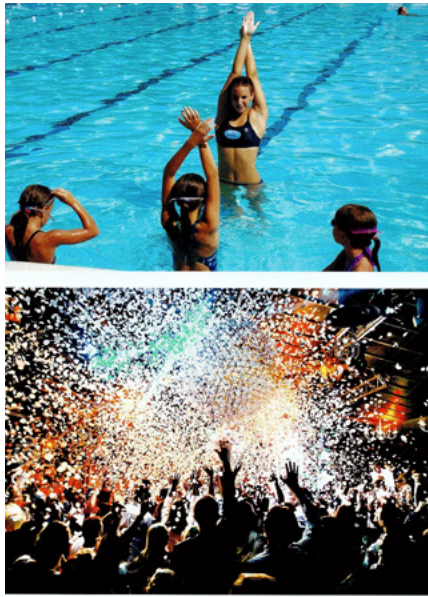
Project Goals: Balancing Education and Training with Competition and Community

Throughout the design process, a frequent topic of discussion concerned balancing distinct aspects of the facilities' intended purpose. The nature of the project's program requires the facility to function as an instructional and training facility, an athletic event destination, and a community resource for health and wellness. To achieve this, the design team explored strategies to find balance through the development of multi-functional spaces and versatility wherever possible.

Variety of Learning & Teaching Style / Adaptable and Flexible

- **Flexible Spaces-** Designed for large events yet serving as student social areas, classrooms, and more. Plaza, lobby, and circulation spaces cater to various needs.
- **Aquatics Innovation-** Two pools with adaptable features like extended shallow ends for safe learning environments and configurations for different activities, enhancing both athletic and community uses.

- **Tailored Fitness Areas-** Multiple weight rooms and aerobic spaces cater to athletic teams, students, and community health programs, ensuring specific needs are met.
- **Versatile Classrooms-** Equipped with adaptable infrastructure and technology, rooms serve as lecture spaces, team rooms, or media staging areas, maximizing efficiency and functionality.
- **Multipurpose Stadium Lawn-** Functions as casual space, team staging area, and temporary expansion for large events, providing flexibility for student and social activities and accommodating additional seating.
- **Efficient Parking Structure-** Integrated infrastructure supports seamless media event staging, enhancing broadcast capabilities across the complex.
- **Central Tennis Courts-** Strategically located to serve as a vendor, promoting convenience and accessibility for users.



Educational Environment

Environment Supports the Curriculum

Mt. SAC is propelled by the mission of providing the highest quality and accessible programs to all in their community. This translates to providing excellence through programs supporting and educating students and community focusing on health and wellness and creating avenues to athletic accomplishment and educational success. From courts and pools to track and fields, the vast increase in scope, scale, and quality of the new athletics facility enables the college to expand current programing and introduce brand new ones ensuring this already impactful collegiate program continues to live out its mission to provide the highest value programs for the community for decades to come.

- The facility is designed for both flexibility as well as a focus on the specific requirements of each sport's functional training and performance needs.

- The design focuses on environmental aspects of daylighting, mechanical and ventilation in these highly active spaces to support education by creating environments that are inviting, pleasant to be in, and comfortable to instruct and learn in.

By offering programs ranging from learn to swim, to competitive water polo and diving, and plenty in between, Mt. SAC sees their community programs as an opportunity to equip the youth of the community with athletic skills difficult to obtainable elsewhere, skills gained at a young age, increasing involvement in skill level in High School and Club competition which that can lead to educational scholarships and recruitment opportunities leading to college degrees, and high school athletes are more likely to get college degrees. A two-pool solution with 3 movable bulkheads allows the aquatic program to operate up to 5 simultaneous classes at the same time.



WELLNESS DECK



FLEX STUDIO

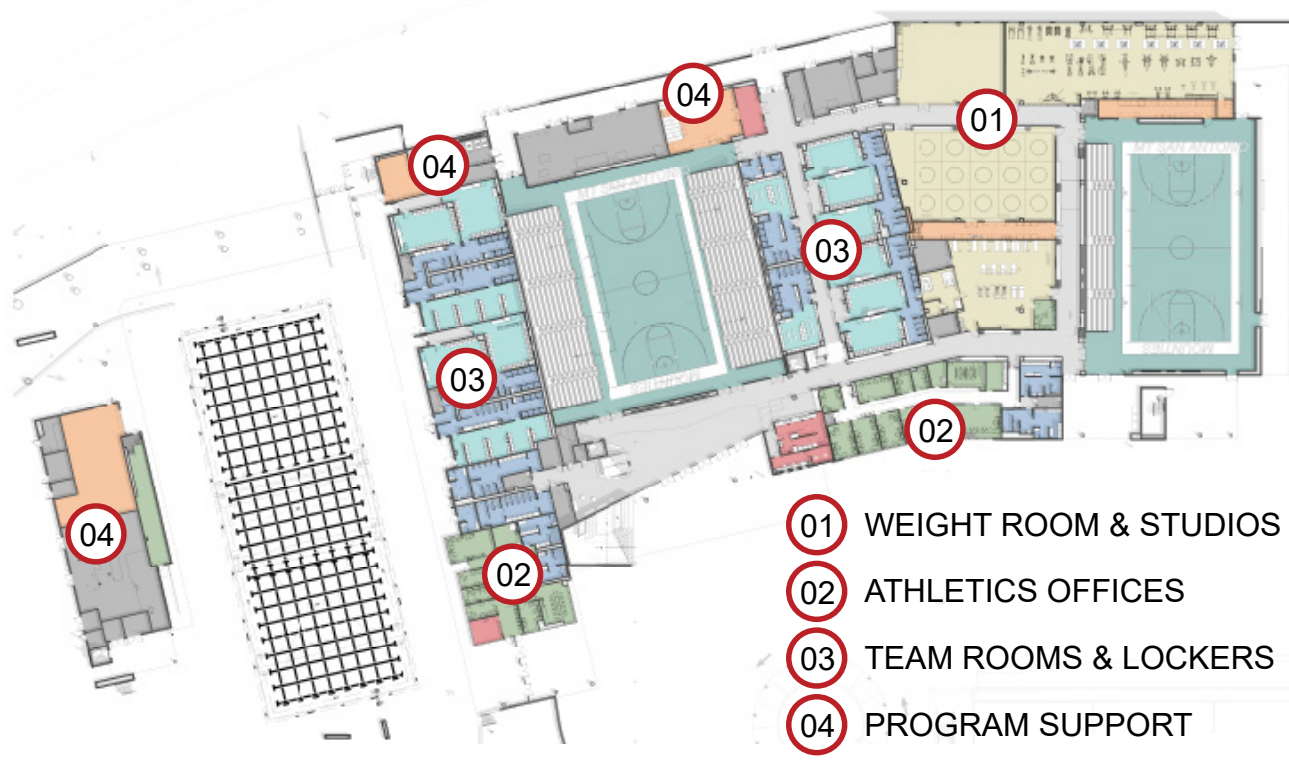


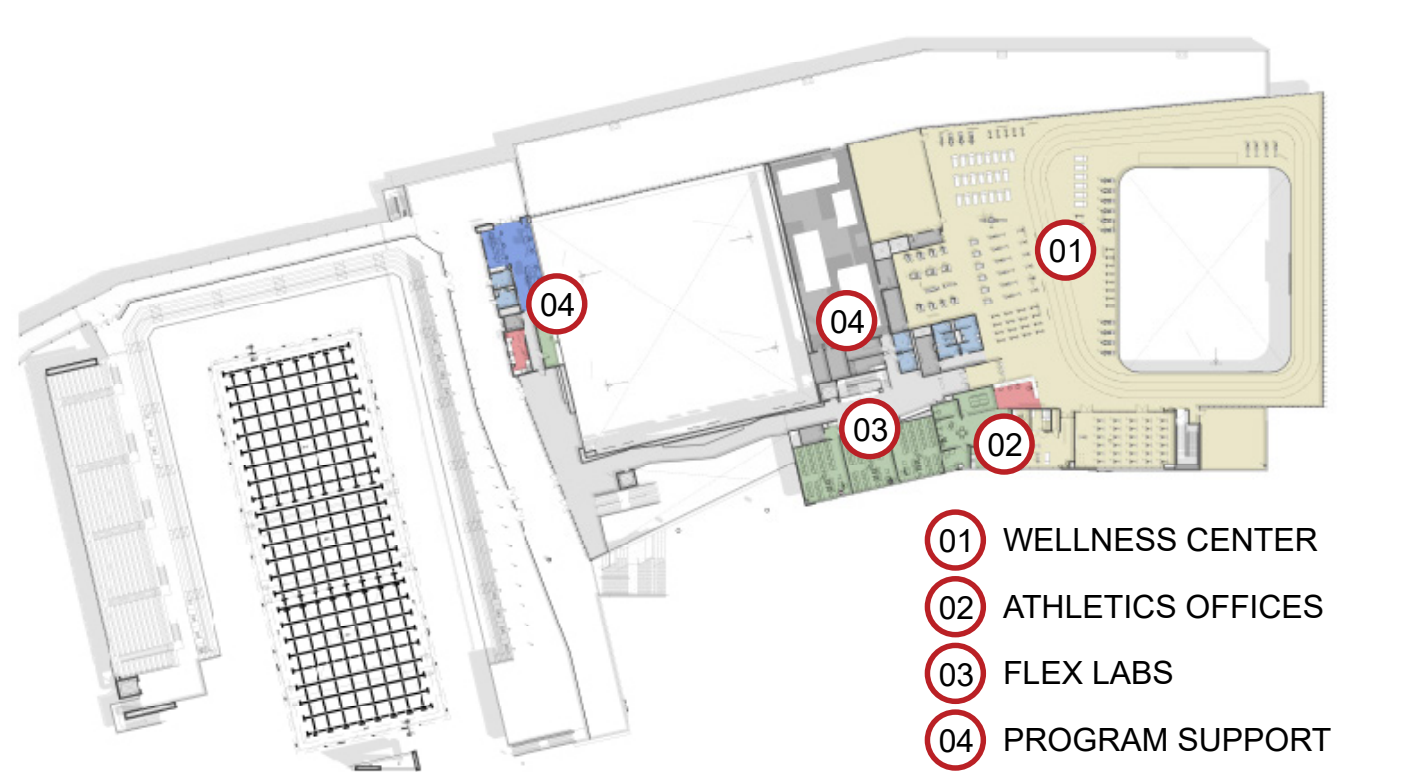
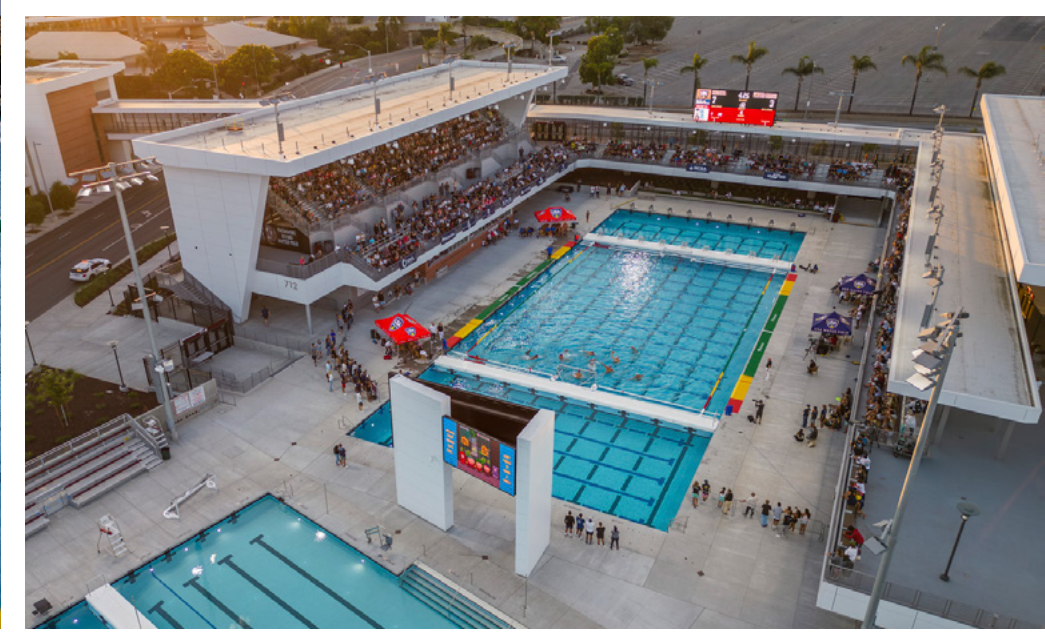
WEIGHT ROOM

“Mt. SAC just kicked in the door of the aquatics world.”

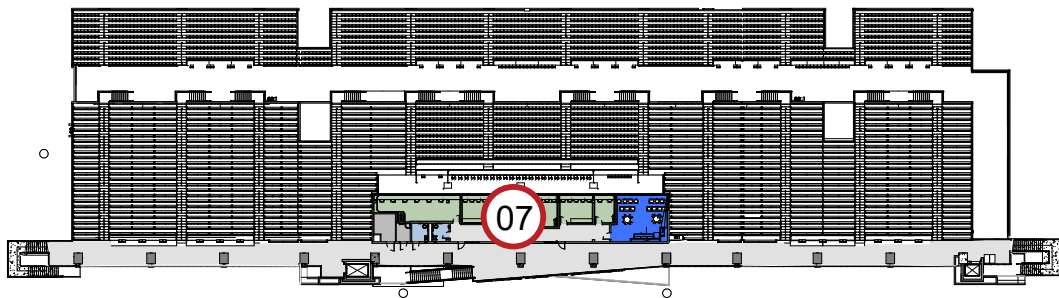
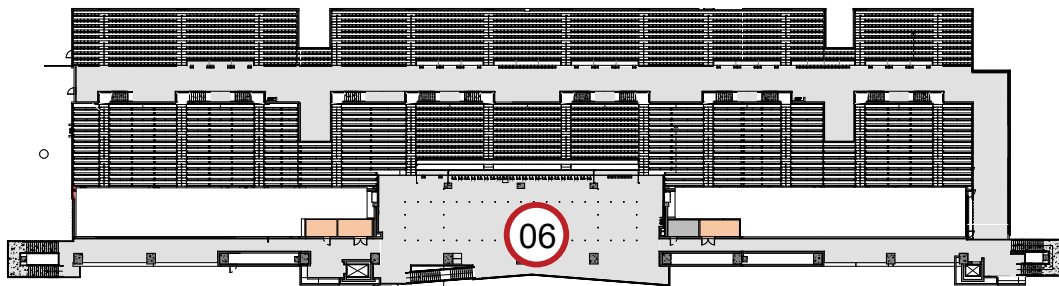
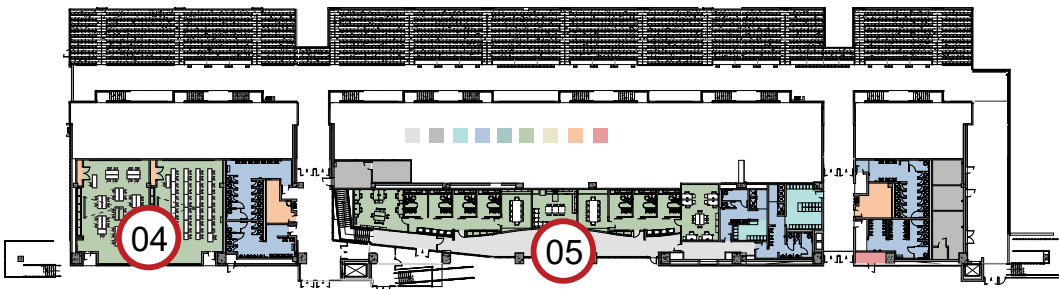
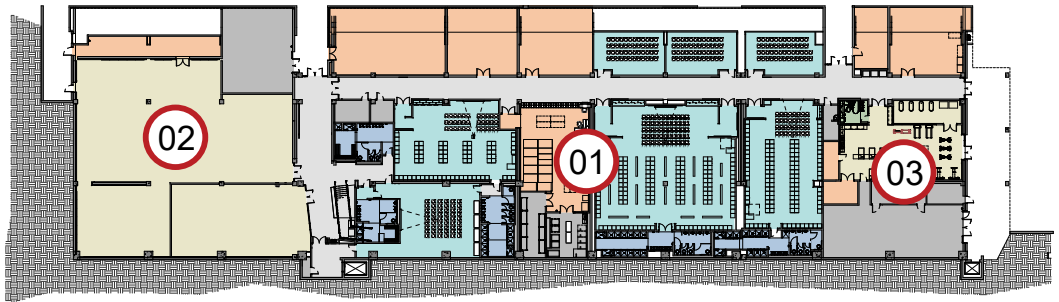
-Marc Ruh / Assistant Director of Athletics / Head Men's Aquatics Coach







Educational Environment



- | | |
|-------------------------|------------------------------|
| 01 TEAM ROOMS & SUPPORT | 05 COACHING & ADMINISTRATION |
| 02 WEIGHT ROOMS | 06 MEDIA / FLEX SPACE |
| 03 TRAINING ROOM | 07 PRESS BOX / BROADCASTING |
| 04 FLEX LEARNING LABS | |



Hilmer Lodge Stadium

The new Stadium and Fieldhouse names after Hilmer Lodge, the colleges first track and field coach who is credited with establishing the Mt. SAC Relays in 1959. The new facility was designed to drastically improve function and flow for athletes, events, and spectators. The project uses an 18' grade difference between filed level and surrounding stadium grades to create a lower level connected directly to the sport fields focused on athlete

spaces such as team rooms, training, weight lifting, creating a highly efficient and functional flow for athletes to train and compete using the filed. The second level connects administrative, coaches, and visitor spaces directly to the surrounding plaza spaces to the west, while upper levels support event and media functions for the stadium.

Physical Environment



Physical Environment

Physical Attributes of the Environment

The outdoor environment of key athletic programs demands equal care.

- The stadium, tennis, and aquatics center are situated for optimal competitive settings related to solar and wind conditions.
- Plazas featuring abundant trees and planting areas, power and data-connected seating, an amphitheater, and several lawns all promote and support daily social interaction, instructional, and event experience. The use of landscaped berms and trees, along with the gym building placement also help to screen traffic noises and visuals present along Temple Avenue.
- A new pedestrian bridge establishes a strong physical connection across Temple Avenue, inviting and connecting the heart of campus.
- Abundant glazing connects users to Southern California daylight and views of the surrounding mountains.



Physical Environment

Larger Context of the Community

The new facility created an athletic neighborhood at the campus's south end, along the primary campus, the city vehicular artery, and the street edge. The north edge of the new athletics neighborhood borders Temple Avenue, the main public road leading to and through the campus. Much of the campus's south, east, and west has hillsides with residential neighborhoods.

To create a new space that will benefit the students, staff and the larger community, the team also included the following:

Community Environment

The project includes significant landscape improvements along the street edge, adds a bike lane, and a connecting segment to the campus wellness loop. The facilities provide greater capacity for already popular public athletics programs, and increases ability to host local high school programs. The Wellness Center also provides services available to the community.

Healthy Living Loop

The athletics precinct includes the first completed section of the campus' new Healthy Living Loop as defined in their 2018 Facilities Master Plan's Open Space Concept and is intended to provide a publicly accessible community path around the campus perimeter to encourage walking, jogging, and bicycling, and would support healthy living, educational experiences.



Inspire and Motivates

Creating a campus gateway inspires students by symbolizing growth, opportunity, and belonging. It instills pride, fosters exclusivity, and encourages students to embrace their potential. This tangible representation of their educational journey sparks curiosity and ambition, motivating them to explore, learn, and achieve, knowing they are part of a supportive and thriving community.

"This stadium raises our spirit and gives us hope. Does look good feel good play good apply here? 'yes, of course... It shows us the campus cares about us.'"
-Student Dedric Luten



"Mt. SAC has built a legacy here that will truly benefit our students for generations to come."
Marc Ruh / Assistant Director of Athletics / Head Men's Aquatics Coach





Sustainable Highlights

Approach to Healthy & Sustainable Material Selection

A LEED Silver target and campus “Climate Action Plan” help prioritize sustainable strategies directly beneficial to its users’ health, performance, education, and experience.

The team selected products based on their high-performance athletic use. These aligned with campus standards and provided a healthy environment to train and perform. The design also emphasized outdoor canopies, sunshades, and protective glazing to achieve daylighting goals within the building while delivering comfortable plaza spaces. High-performance glazing around gym courts and Wellness Center and a tubular daylighting system allow the main indoor programmatic areas to achieve competition-level lighting without artificial lighting. Bio-swales, drought-tolerant landscaping, and underground treatment chambers help manage stormwater runoff.



BIO-SWALES



NATIVE PLANING

SUSTAINABILITY HIGHLIGHTS:

AIA 2030 BASELINE EUI

131.9

KBTU/SF/YEAR

PREDICTED EUI

51.2

KBTU/SF/YEAR

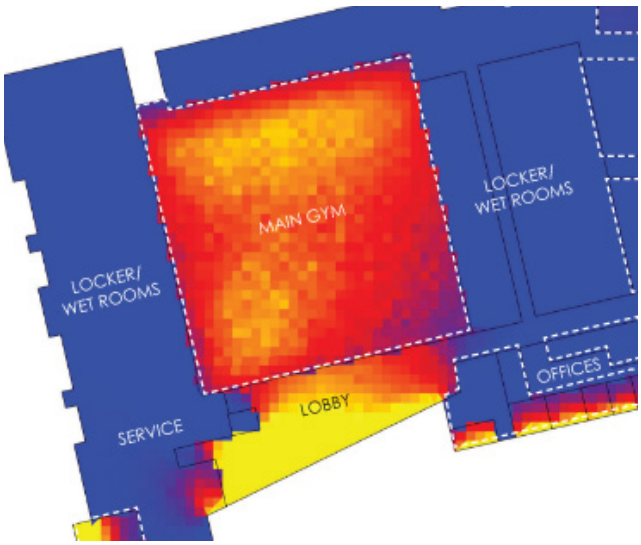
EMBODIED CARBON

305.94

KGCO2/M2

61%

PREDICTED REDUCTION



Results



Results

Achieving Educational Goals

The new cutting-edge facilities enhance student learning and athletic development. The state-of-the-art gymnasiums, fitness centers, and sports fields create an immersive environment for students. These spaces are not just venues for physical activity but dynamic classrooms where students learn the intricacies of various sports, fostering teamwork, discipline, and leadership skills.

Achieving School District Goals

The project aligns with the school district's objectives by offering an accessible space for student engagement. It supports the district's commitment to promoting a healthy lifestyle that caters to a wide range of physical activities. The enhanced accessibility ensures that all students can participate fully in physical education programs regardless of their abilities. Moreover, the project encourages extracurricular sports and fitness activities, aligning with the district's goal of fostering well-rounded and active students.

Achieving Community Goals

The athletic neighborhood offers the community path around the campus perimeter in the broader community context. It encourages community members to adopt active lifestyles. Additionally, it becomes a hub for community events such as sports tournaments and fitness workshops, fostering a sense of camaraderie and shared health goals among community members.

Unintended Results and Achievements

“While we designed the facility to attract significant events, I think it has been a surprise at just how quickly Mt. SAC has become a preferred place for high level events.”

- **Marc Ruh / Asst Director of Athletics /
Head Men's Water Polo and Men's Swimming Coach**





“Everyone from the president of US Water Polo to the NCAA and LA28 reps were at the event and couldn’t say enough positive things. Every official and higher up had their minds racing with possibilities and were not afraid to share their thoughts. Who would have thought that this would launch us into the national and international conversation so quickly.”

**- Marc Ruh / Asst Director of Athletics /
Head Men’s Water Polo and Men’s Swimming Coach**

Results



Serving as a daily education & athletic training facility, community wellness center, and world class competition facility required close attention to environment, flexibility, and collaboration throughout.



A community resource just as much as a high level competition complex, including a massive community swim program, hosting youth cross country track and field events, and a wellness center open to the community



Attention to solar orientation and wind directions, with landscaping and viewing lawns, canopies, and plaza spaces, all support high level competition and high comfort relationships with the environment.



Native landscape to reduce water demand, along with bio-swales and underground water storage treatment tank system help to reduce water use on site and keep storm-water from being diverted off site.



Drawing major athletic events including US National Water Polo, Olympic timetrials and major track& field events, generate revenue for the college to support its ability to live its mission of providing high level facilities for local community



A focus on abundant daylighting in both gymnasium competition courts and the wellness center help reduce artificial lighting needs for the three primary spaces of the gymnasium.



The entire facility is a wellness hub for the college and community. The Wellness Center is open to community, The aquatics center is the largest community program in the area, and plaza spaces provide many comfortable outdoor uses.



In addition to expressing much of the concrete and metal structure of the facilities buildings, two of the primary building finishes of brick and metal panel are southern California produced.



Designed with flexibility of capacity and infrastructure, stadium temporary seating expansion from 12,000 to nearly 20,000 seats and a parking structure designed for media staging area with infrastructure easily accommodates major media television requirements.



Celebrating heritage was a key goal for the project, in addition to hall of fame gallery, displays, super graphics, and digital displays throughout let the college continually celebrate athletics past and present



"This stadium raises our spirit and gives us hope.
Does look good, feel good, play good apply here?
Yes, of course... It shows us the campus cares about us."

-Student Dedric Luten

