

SHAPING FUTURES

Mt. San Antonio Community College
Gymnasium, Wellness Center &
Aquatics Complex



www.tilden-coil.com

(951) 684-5901

info@tilden-coil.com

Shaping Futures at Mt. San Antonio Community College

Mount San Antonio College (Mt. SAC), the second largest community college in California, is tucked away in the city of Walnut and serves the surrounding communities in providing a top tier education for their 29,000 students. Mt. SAC offers co-curricular opportunities for students including 50+ student clubs, 25+ support programs for success, and 22 athletic programs with more than 60 state and national titles! The latest development to transform the campus is the capstone project to complete the new Kinesiology and Athletics Complex: the new Gymnasium/Wellness Center and Aquatics Complex completed May, 2023 by Tilden-Coil Constructors. Under a CM Multi-Prime delivery, Tilden-Coil also completed the new Hilmer Lodge Stadium, Champion Parking Structure and Tennis Courts (2020), Heritage Hall (2021), and the new Gateway Parking Structure (2021).

Mt. SAC Gymnasium/Wellness Center & Aquatics Complex Quick Facts

Architect: HMC Architects

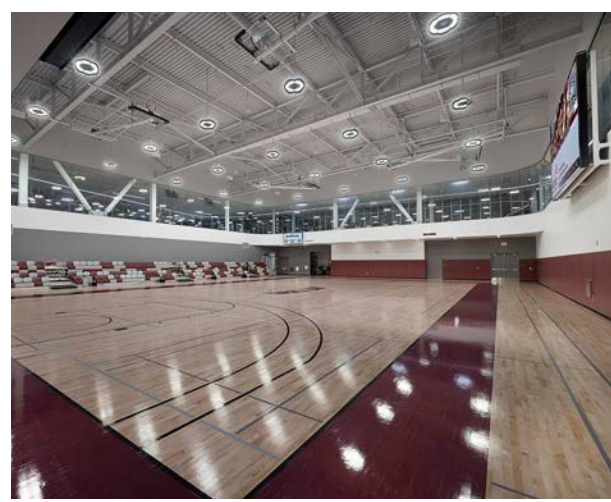
Delivery: CM Multi-Prime

Size: 145,511 sf

Completion: May 2023

The Mt. SAC athletic facilities are exceptional! The team was responsive, attentive, beyond simply budget, schedule, and efficient communication, and took a collaborative approach focused on quality."

*- Gary Gidcumb, Senior Manager,
Construction Projects*



Gymnasium/Wellness Center and Aquatics Complex

The Gymnasium/Wellness Center and Aquatics Complex totals 145,511 sf and serves a wide array of athletic programs. The gymnasium complex includes a main court with seating for 1,500 spectators, an auxiliary court floor, a weight room, and locker rooms for competition basketball, volleyball, wrestling, and badminton. The Wellness Center serves students, faculty, employees and the surrounding community with an indoor running track, state-of-the-art exercise equipment, and multi-purpose spaces for yoga, meditation, spin classes, dance, cardio, body sculpting and multiple classrooms. This fitness and diagnostic training center supports individualized assessment, as well as training including a hydrostatic weighing tank—the “gold standard” in assessing body composition and weight.

The Aquatics Complex includes a stretch 50-meter competition pool, a 30-meter teaching/diving pool with four competition diving boards (two 1-meter and two 3-meter spring boards), a heated therapy pool, and upper level bleacher seating for 2,800 spectators. The aquatics complex is home to Mt. SAC's award winning swimming, diving and water polo teams and accommodates practice for multiple teams simultaneously, and aquatics teaching programs for the college and community.



Overcoming the Challenges

Throughout the project, Tilden-Coil faced various challenges which had the potential to delay the project. To address these challenges effectively, Tilden-Coil collaborated with HMC Architects in a design assist approach. Through this partnership, the team was able to devise solutions which successfully prevented project delays.

One such challenge included the initial aquatics bleacher design, consisting of panels with two layers of aluminum sandwiching an epoxy product and manufactured in Korea. The product was new to DSA with no history of prior approval. Although the manufacturer's calculations met State engineer requirements, DSA withheld approval after multiple submissions. With the milestone date for bleacher completion now compromised, the team recommended, and Mt. SAC approved, a switch to a standard bleacher system with modified structural steel which DSA approved. Tilden-Coil-successfully utilized Pull Planning scheduling with subcontractors to achieve the milestone dates that needed to be met for ontime bleacher installation.

The project scope included a hydro-therapy room with cold and hot spas. Health Department approval of the design was delayed, jeopardizing the critical path schedule by three months. Tilden-Coil re-sequenced the schedule activities for an entire section of the building. The spa pits were covered with a dance floor so that surrounding critical path scope could move forward. Once Health Department approval was received, the team completed the hydro-therapy area and avoided a three month schedule delay.



Progress Photos



As Mt. SAC completed their furniture plan during construction, AV/Power/Data changes were required to accommodate the furniture layout. Tilden-Coil and its trade partners worked hand in hand with Mt. SAC to set parameters and mark framed walls for this scope and completed the installation within the original schedule.

As a team, Tilden-Coil, HMC Architects, Mt. SAC and the prime contractors all worked together to overcome these challenges and ultimately deliver the project on schedule and within budget!

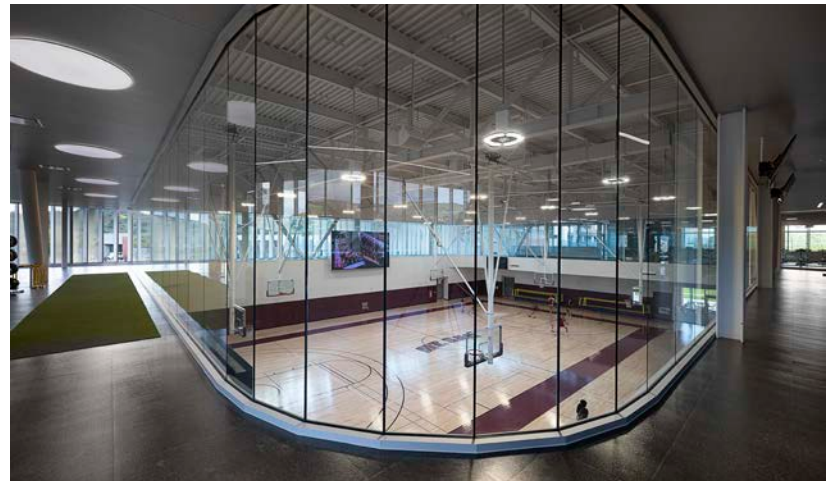
The Gymnasium/Wellness Center and Aquatics Complex has completely transformed the athletic department and campus/community programs. Mt. SAC recently hosted their swim relay, a collegiate swim meet, and the basketball playoffs on the same weekend! Tilden-Coil Constructors is honored to be Mount San Antonio College's construction partner shaping futures of students and athletes.



Go Mounties!

"These buildings are connecting communities that celebrate the best of Kinesiology and Athletics. They buzz with sounds of activity, excitement, learning, challenging, and growing."

- Gary Chow, Board of Trustees President

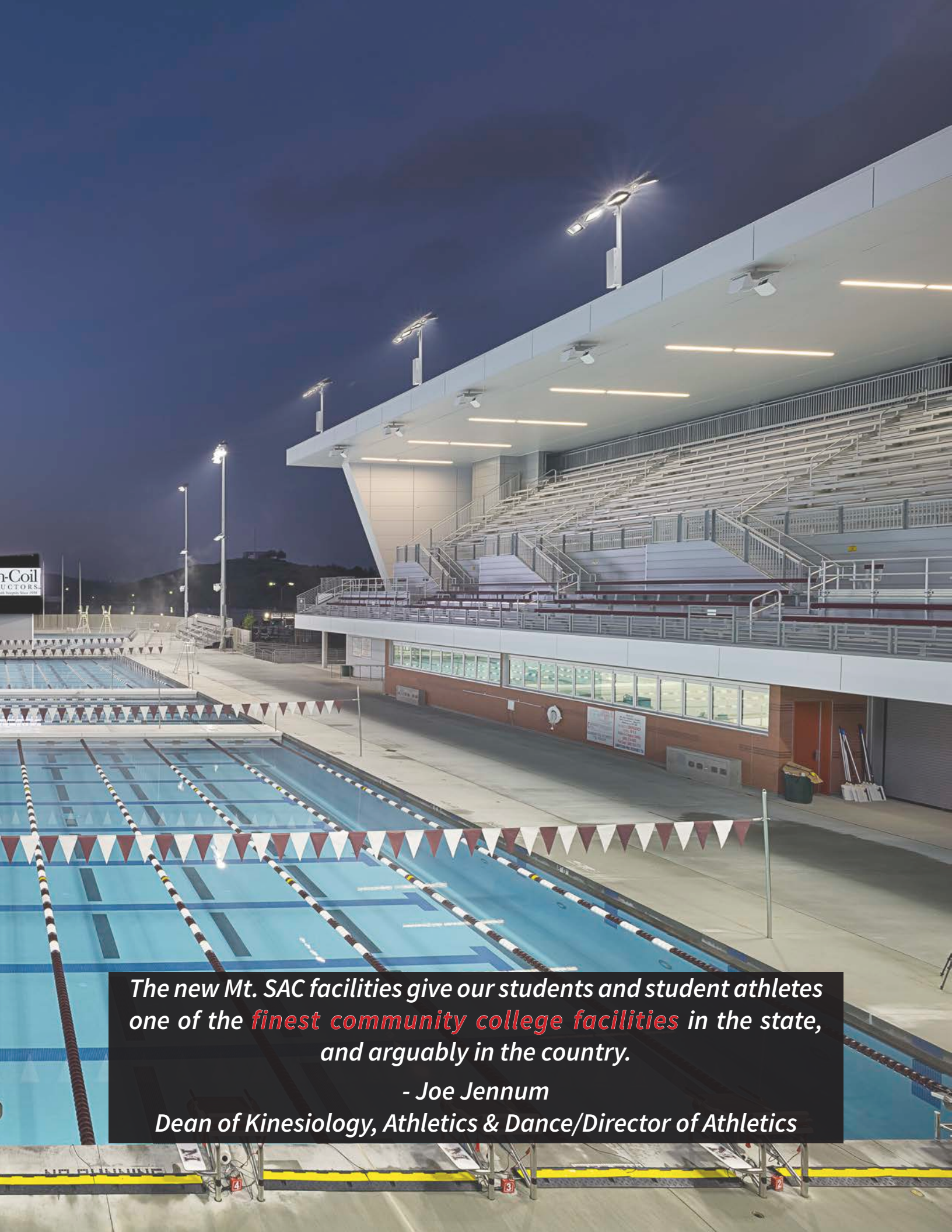


Partners

Great accomplishments require great partnerships! Tilden-Coil recognizes those exceptional prime contractors who played a major role in completing this project:

- American Landscape, Inc.
- Best Contracting Services, Inc.
- Bravo Concrete Construction Services, Inc.
- California Commercial Pools, Inc.
- Construction Hardware Co.
- Continental Marble and Tile Company
- Corona Aluminum Co.
- Coutts Heating & Cooling, Inc.
- Econo Fence, Inc.
- F3 & Associates, Inc.
- Hamel Concrete, Inc.
- Herk Edwards, Inc.
- J.P.I. Development Group, Inc.
- James McMinn, Inc.
- KCB Towers, Inc.
- Kitcor Corporation
- Pacific Waterproofing & Restoration, Inc.
- Philbin Construction Company
- Preferred Ceilings, Inc.
- Pro Flooring Corporation
- Pro-Craft Construction, Inc.
- R.V.H. Constructors, Inc.
- RDM Electric Co., Inc.
- Southern Bleacher Company, Inc.
- Stolo Cabinets, Inc.
- Stone Roofing Company, Inc.
- Superior Wall Systems, Inc.
- Western Painting & Wallcovering, Inc.
- Winegardner Masonry, Inc.





*The new Mt. SAC facilities give our students and student athletes one of the **finest community college facilities** in the state, and arguably in the country.*

- Joe Jennum

Dean of Kinesiology, Athletics & Dance/Director of Athletics



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