

SHAPING FUTURES

El Camino College Natatorium



3612 Mission Inn Ave
Riverside, CA 92501
P: (951) 684-5901
www.tilden-coil.com
CA License #208556

SHAPING FUTURES at El Camino College



Architect: HMC Architects

Tilden-Coil Constructors completed the new 80,000 square foot natatorium and classroom building for El Camino College in Torrance, which recently hosted the South Coast Conference Pentathlon. This new pool and classroom complex was funded by the 2012 Measure E Facilities Bond, and further supports El Camino's charge to deliver student higher education guided by its five core values of people, respect, integrity, diversity, and excellence.

The complex supports instructional use and athletic competition for El Camino's swim, diving and water polo teams and includes:

- One 35-meter competition pool with two one-meter diving boards and one three-meter diving board, rim-flow gutter system and state-of-the-art timing system and scoreboard
- Bleacher seating at pool area
- Weight training room
- One wellness pool designed for adaptive classes
- Women's and men's locker rooms and showers
- Combative sports room
- Women's and men's team rooms
- Five classrooms
- Fitness and adaptive fitness rooms
- Thirteen administrative offices

Bringing a decade of experience with indoor pool construction, the Tilden-Coil team provided expertise in addressing the unique natatorium environment and its temperature, humidity, evaporation, vapor pressure and corrosive variables. The team was relentless in ensuring that the design met El Camino's quality expectations and collaborated with the design team to address all exposed surfaces in the natatorium and pool mechanical room accordingly. To avoid chemical corrosion, stainless steel materials were utilized, and high performance coating was applied to every exposed surface in the natatorium that did not already have a factory finish.

The two-story structure is predominantly cast in place concrete with over 1,200 lineal feet of concrete shear walls.

The structural design allowed for the required clear spans, eliminating the need for columns and traditional moment frames. The site had highly expansive soil—index of 128 which had to be reduced to 60. The team strategically



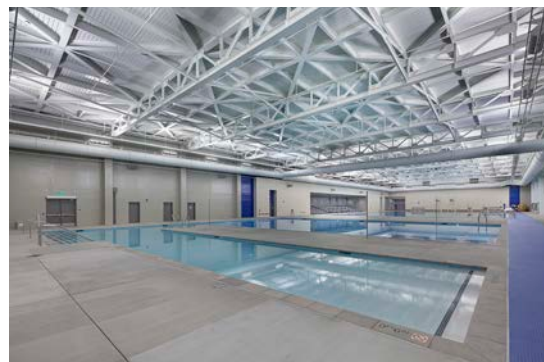
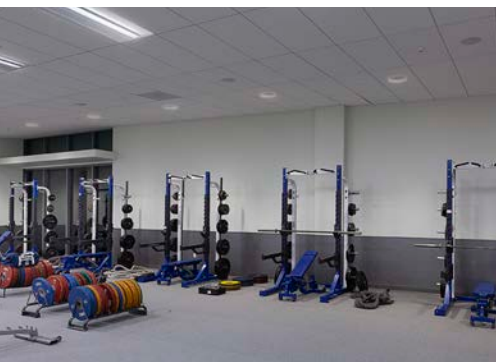
"This is my first experience with Tilden-Coil Constructors, but for the last two years since the project started, I have come to truly appreciate the teamwork spirit and openness of communication with their team on site. This is a challenging and intricate project, and the Tilden-Coil seasoned team has shown their ability and experience to deliver." -
Andre J. Simon, DSA/OSHPD Sr. Project Inspector



built the structure first. Once the building was weather tight and safety measures in place, both pools were then excavated. This approach saved time, allowed for a safer work environment, and avoided weather delays impacting exposed excavation. A redundant system was installed for pool heating: the primary hydronic system was fed from the existing central plant and a boiler system was also installed within the building for secondary/supplemental heating.

Tilden-Coil coordinated directly with the athletic department to ensure all equipment needs were identified, planned, and met, including an additional diving board

and all deck inserts for added sports equipment. In keeping with Tilden-Coil's service model, the team served El Camino College beyond contractual parameters by assisting with an existing volleyball court retrofit and installing an emergency back up generator system. Tilden-Coil Constructor's passion to help shape students' futures is a shining beacon for education!



"While every project will have its own issues and problems, I found the Tilden-Coil team very willing to help facilitate a good working outcome. The project is over and everyone is gone. However, Tilden-Coil is still checking to make sure everything is good."

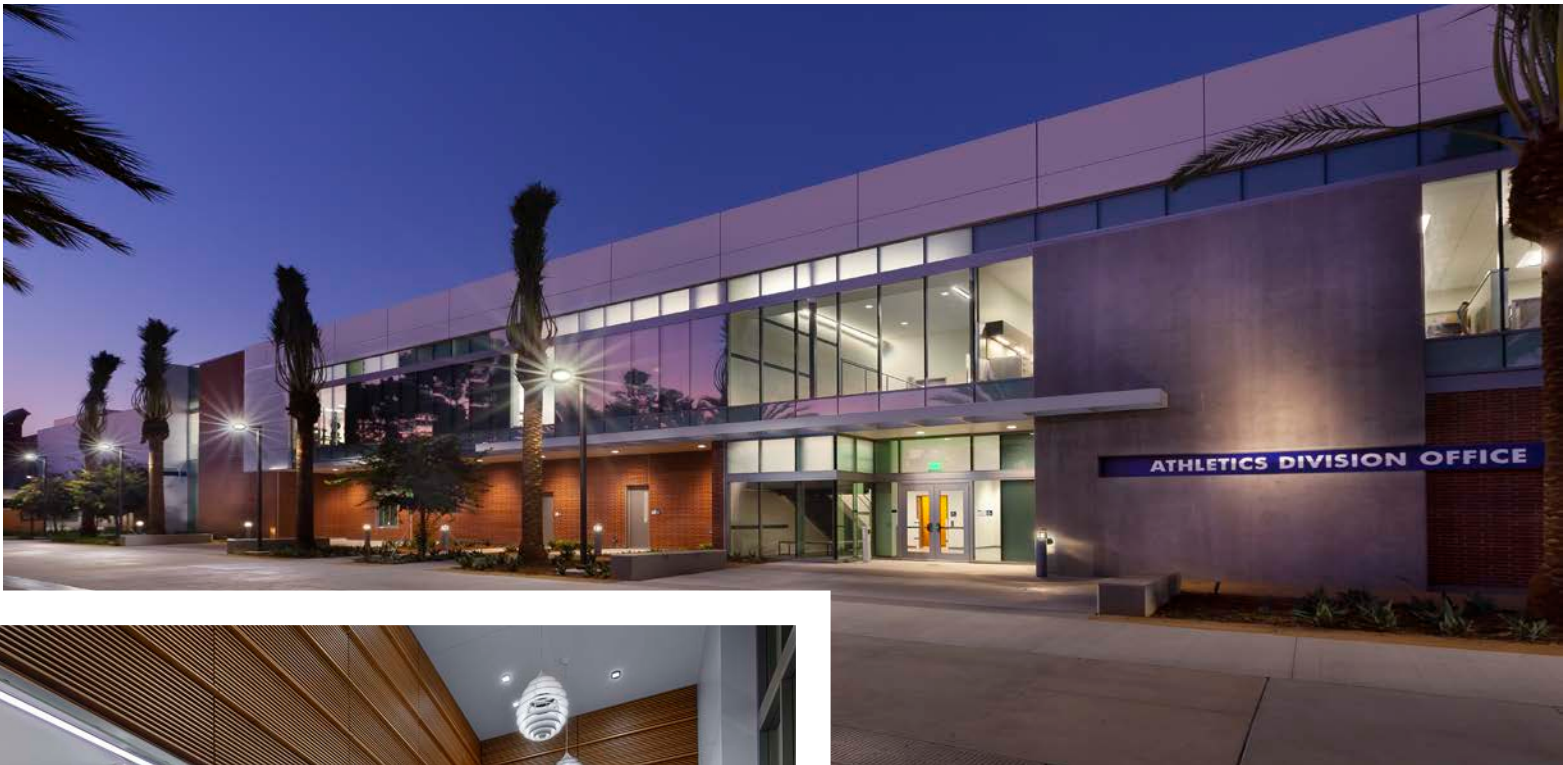
- Michael D. Blada, Services Supervisor, Facilities Planning and Services, El Camino College



Partners

Great accomplishments require great partnerships! Tilden-Coil recognizes the following subcontractors who played a major role in completing this project:

- A Good Sign
- A1 Quality Blinds
- Adkan Engineering
- All Pro Building Maintenance Service
- American Landscape
- Apex Fire Protection
- Borbon Inc.
- California Commercial Pools, Inc.
- California Facility Specialties, Inc.
- Caston, Inc.
- Courtney, Inc.
- Dittmore Insulation Contractors
- Golden State Roofing
- Granitex Construction Company
- Hamilton Ceiling Systems
- Herk Edwards, Inc.
- Inland Pacific Tile, Inc.
- Janus Corporation
- JJJ Floor Coverings, Inc.
- Letner Roofing Company
- Mathews Mechanical
- McGuire Contracting
- McIntyre Company
- McKinley Equipment Corp.
- Mel Smith Electric, Inc.
- Mitsubishi Elevators
- Montgomery Hardware Company
- Muhlhauser Steel Inc.
- Olpin Group
- PaveWest Incorporated
- Preferred Construction Specialties, Inc.
- Pro-Craft Construction, Inc.
- Queen City Glass Company
- Rebar Engineering, Inc.
- S & H Cabinets
- Sierra Lathing Company, Inc.
- Silverado Contractors
- SJD&B, Inc.
- Southcoast Acoustical Interiors, Inc.
- Southern Counties Quality Masonry
- Superior Door Systems, Inc.
- The House of Stainless Steel, Inc.



"It is without reserve that I commend Tilden-Coil's enterprising spirit and do recommend their construction services to anyone in need of an utmost professional and knowledgeable contracting firm."

- Andre J. Simon, DSA/OSHPD Sr. Project Inspector