



Image Source: EYRC Architects + HMC Architects

University of California, San Diego: Ridgewalk North Living and Learning Neighborhood

CLIENT: Helix Electric

LOCATION: La Jolla, California

ROLE: Electrical

TOTAL PROJECT COST: \$537 million

OVERVIEW

The new development for the University of California, San Diego (UCSD), commencing construction in the summer of 2023, includes a new Triton Center and a 2,040-bed housing complex. These additions are part of UCSD's ongoing efforts to accommodate thousands of additional students. The program includes space for student dining and fitness, replacement space for programs currently in structures to be demolished for the project, and permanent space for the Marshall College academic program and student support services. It also includes significant public realm improvements, as well as community building space for students that incorporates programs such as eSports and a glass blowing lab.

OUR WORK

Michael Baker provided electrical construction documents for the new Design-Build, multi-building, 2,040-bed, mixed-use student housing neighborhood. The scope included: Building A: 11 levels, Building B: 9 levels, Building C: 8 levels, Building D: 7 levels, Economics Building: 5 levels, Glass Lab & Market: 2 levels, and Academic Building: 2 levels.

KEY FEATURES

The UCSD Ridgewalk North Living and Learning Neighborhood is scheduled for completion in the fall of 2025 and is targeting LEED Gold certification.



Image Source: Bruce Damonte

University of California, Irvine: Mesa Court Housing Expansion

CLIENT: Helix Electric

LOCATION: Irvine, California

ROLE: Electric

TOTAL PROJECT COST: \$110 million

OVERVIEW

This housing and community expansion accommodates 1,016 students in three 6-story towers. The project also features community spaces and common areas, including study areas, computer labs, great rooms, a fitness center, a recreation room, student office space, shared kitchenettes and laundry facilities, and a 780-seat Anteatery dining commons.

OUR WORK

Michael Baker provided electrical construction documents for this multi-building, 255,000-square-foot expansion.

KEY FEATURES

The University of California, Irvine Mesa Court Student Housing Expansion was completed in 2016 and is LEED Platinum Certified. This project has received several awards, including the DBIA 2017 Design-Build Project of the Year; ENR 2017 Best Projects Merit Award; Contract Magazine 39th Annual Interiors Awards, Education, 2018; University of California Office of the President (UCOP) Best Practice Award for Overall Sustainable Design, 2017; AIA Seattle Honor Awards, Merit Award, 2017; and the AIA Los Angeles Design Awards and COTE Honor Award, 2017.



University of California, San Diego: Theatre District Living and Learning Neighborhood

CLIENT: Morrows-Meadows Corporation

LOCATION: La Jolla, California

ROLE: Electrical

TOTAL PROJECT COST: \$509 million

OVERVIEW

The 5-story, 900,000-square-foot building complex comprises teaching labs and flexible research space to accommodate a range of engineering and science programs, including biomedicine, the environment, materials, energy, nanotechnology, bioengineering, and wireless technology. The building features 11,500 square feet of instructional space with 17 cutting-edge labs, outfitted with state-of-the-art scientific and industrial machines and a modular setup, allowing scientists and engineers to easily relocate their resources to be closer to potential collaborators.

OUR WORK

Michael Baker provided design-build electrical construction documents for the 900,000-square-foot project over an 11.8-acre site, which includes five buildings ranging in height from 9 to 21 stories. The project will include below-grade parking with 1,200 total spaces (325 net new spaces) and provide housing for 2,000 undergraduate students.

KEY FEATURES

The University of California Theatre District Living and Learning Neighborhood was completed in 2024 and is LEED Silver Certified, targeting LEED Gold V4. The University of California San Diego Theatre District Living and Learning Neighborhood development has received various awards, including the AIALA NEXT Design Merit Award – Educational and the 2020 AIA San Diego Chapter Merit Award for Urban Design.



Image Source: EYRC Architects, HKS Architects, Kitchell



California State University, San Marcos: North Commons

CLIENT: Sea Breeze Construction
LOCATION: San Marcos, California
ROLE: Commissioning
TOTAL PROJECT COST: \$91 million

OVERVIEW

The California State University (CSU) North Commons is a state-of-the-art, \$91 million student housing complex designed to house 370 students in three-bedroom pods. Every floor boasts five common areas, crafted to foster student interaction and cultivate a strong sense of community. With its contemporary, suite-style living arrangements, North Commons offers a distinct and unique living experience for first-year students.

OUR WORK

Michael Baker conducted Whole Building Commissioning for the new 95,710 square-foot, eight-story student housing development, which includes ground floor amenities, support spaces and residential units. The commissioning work encompassed testing mechanical systems, direct digital controls and lighting systems. Additionally, the team collaborated with the field start-up and validation team for the 50-kW electrical photovoltaic generation construction, ensuring a smooth handover for day-to-day operations. The commissioning scope included: HVAC System Commissioning, HVAC EMCS Commissioning, Electrical System Commissioning, Renewable Energy Commissioning, Plumbing Commissioning and Irrigation Commissioning.

KEY FEATURES

The North Commons affordable housing development allows first-year students a unique and immersive experience by providing common spaces on each floor for collaboration and community connection.