

Approach to Decarbonization and High Performing Buildings with the Progressive Design-Build Model

Co-Author bios

Brett Stuckey

Brett Stuckey is Turner Construction's Regional Sustainability Manager, bringing more than a decade of experience across field operations, cost management, and project delivery. Since joining Turner in 2009 with a structural engineering degree from UC San Diego, he has held roles including Field Engineer, Project Engineer, Senior Cost Engineer, SPD Project Manager, and Business Development Manager. His work spans aviation, commercial, higher education, sports, and light industrial markets, giving him a broad understanding of client needs and building performance. After relocating from San Diego to the South Bay in 2021, Brett has focused on advancing Turner's sustainability leadership while supporting strategic initiatives across the Northern California region. He is committed to integrating carbon reduction, resource efficiency, and long-term resilience into every project.

Wesley Ramirez Senior

Wesley Ramirez is a Senior Project Manager with more than 25 years of experience in architectural design, construction, and project delivery. Since joining UC Davis Health in 2020, he has managed several major expansion efforts, including the 1-million-square-foot California Tower, delivered through Progressive Design-Build, and the Central Plant Expansion, which will reduce campus fossil fuel use by 90%. His career spans leadership roles in both local and global architecture and engineering firms, where he delivered complex work for academic, healthcare, and research clients. Wesley brings deep expertise in the full project lifecycle, collaborative delivery models, and performance-driven design. Known for his steady leadership and technical rigor, he consistently advances projects that improve patient care, support institutional growth, and meet ambitious sustainability goals. His approach emphasizes coordination, communication, and stakeholder alignment to achieve outcomes that deliver long-term value for the communities UC Davis Health serves.

Jill Tomczyk

Jill Tomczyk is a California-licensed architect with 25 years of experience in design, construction, and project management across the UC system. After more than two decades as a Senior Project Manager with UC Davis Design and Construction Management, she joined UC Davis Health in 2019 and now leads multiple major capital initiatives. Her portfolio includes the 1-million-square-foot California Tower, delivered through Progressive Design-Build, Central Utility

Plant expansion, hospital operating room renovations, and new medical office buildings across the region. Jill is skilled in a wide range of delivery methods and project types, including high-tech, academic, housing, and healthcare facilities. She leads a large integrated team of designers and builders using collaborative approaches to deliver more than 1 million gross square feet of new facilities over the next eight years. Jill is recognized for her strategic leadership, technical depth, and commitment to advancing innovation within the UC Davis Health campus.

Brandon Kent

Brandon Kent is a Managing Director and Principal at Perkins&Will, known for his people-centered design philosophy and collaborative leadership style. With experience spanning nearly every role on a project, he brings a holistic understanding of how teams successfully bring complex buildings to life. Brandon is a strong advocate for integrated delivery models, including Design-Build, Integrated Project Delivery, and Public-Private Partnerships, believing they foster shared ownership and better outcomes. A graduate of the University of Kansas' distinguished architecture program, he began his career in Paris working under renowned architect Jean Nouvel, an experience that shaped his belief in teamwork and multidisciplinary problem-solving. Now based in San Francisco, Brandon leads with an emphasis on communication, partnership, and design excellence. His work reflects a commitment to creating environments that enhance daily life while strengthening connections between people, place, and community.

Rami Moussa

Rami Moussa is the Managing Principal and co-owner of Point Energy Innovations, where he leads high-performance building engineering with a focus on decarbonization and energy efficiency. As one of the only engineering firms focused on integrating design leadership into the early stages of design-build projects exclusively, he has continued to push the boundary of cost-effective, low-carbon and forward-thinking solutions. A career milestone is his work on the American Institute of Architects' 180,000 sf headquarters, one of the nation's first fully decarbonized large building renovations. Rami was awarded the top 40 under 40 in the engineering industry this past year and he intends to continue innovating for the crucial decades ahead.

Alyse Falconer

Alyse Falconer, PE, LEED AP BD+C, is a Managing Principal & Co-Owner at Point Energy Innovations which is an MEP consulting firm with an innovative approach to affordable decarbonization within buildings, which accelerates the adoption of resilient and zero carbon strategies in the industry. She designs all-electric MEP systems that positively impact the environment by minimizing energy consumption, offsetting electricity use through on-site renewables and eliminating operational carbon footprints. She has designed, managed, and

completed multiple LEED Platinum projects, Net Zero Energy and Passive House projects. Alyse is recognized for balancing deep technical expertise with market insight, business development, and long-term client partnership. A past ASHRAE Chapter President, she has won multiple awards in the industry noting her commitment and contribution to the industry. She guest lectures at UC Berkeley, Cal Poly SLO and ULI. She has spoken multiple times at GreenBuild and ASHRAE. She was recently elected to the CSU Mechanical Review Board.