Newport Beach Library

Lecture Hall Building Project Design

Proposal for Architectural Services

July 18, 2019

Bohlin Cywinski Jackson

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Mr. Peter Tauscher
Senior Civil Engineer
City of Newport Beach, Public Works Dept.
ptauscher@newportbeachca.gov

Dear Mr. Tauscher,

We are excited to provide this statement of qualifications for the new Library Lecture Hall at the Newport Beach Civic Center and Park. This project represents some of our most important human aspirations: to be a part of a thriving community, the desire to learn, to exchange ideas, to broaden our horizons. It will interweave inspiring architectural program, city, and landscape to create an inspiring place for people - all central to themes of our work.

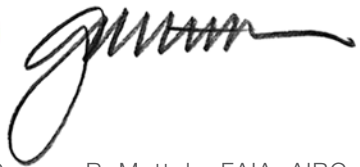
Building on the many efforts already invested by the community of Newport Beach, we will work with you to create another iconic “only in Newport Beach” project that extends the symbiotic energy between the library and the community it serves. Done well, it will be a beacon and jewel, enhancing the vibrant heart of civic and cultural activity you already have.

You will need an effective and collaborative partner, one that knows how to both lead and listen. In addition to being efficient and focused, it is import that the process, like the design, be engaging and inspired. Our highly iterative creative process is interactive and grounded in humane values. We look forward to once again working with the City of Newport Beach, The Newport Beach Public Library Foundation, the Library Lecture Hall Design Committee, the library, and the community on all aspects of the project. This will include generating quality materials for fundraising and helping to craft a compelling message for potential donors. Our team has experience with all aspects of this process.

We have assembled an exceptional team of consultants for this project, all talented in their fields, who have collaborated with us on previous projects. This includes Einwiller Kuehl, whose team is comprised of the key people who worked with us on the visioning and development of the Newport Beach Civic Center landscape. Other firms that we worked with on the Civic Center and are proposing here include Charles Salter’s office for AV and acoustics, Ciaran O’Halloran for Cost Estimating and The Preview Group for Accessibility and Code. Finally, our team also includes WSP for MEP, Thornton Tomasetti for Structural Engineering, Psomas for Civil Engineering, and Francis Krahe for Lighting. Each subconsultant brings wonderful people into the process of designing great buildings, and we have been fortunate to have previously worked with each.

Our portfolio, including your civic center, demonstrates a capacity to make strong, simple gestures that make our client’s values and aspirations legible through a rich and intensely personal collaboration. We hope the pages that follow give you a sense of how our team can help you realize your vision. We look forward to sharing these ideas in person. As the lead Principals for your project and our team, we would like to share our sincere enthusiasm for this commission. We look forward to hearing from you.

With best regards,



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Newport Beach Civic Center and Park, Newport Beach, CA

Your Project

Approach

This marks an auspicious moment for the City of Newport Beach and the Central Library – full of excitement and promise – as the vision for a lively and engaging community space and lecture hall takes shape. We believe our firm's tradition of client-focused design excellence and innovation makes us uniquely well-suited to address some intriguing questions presented by this project: How can this lecture hall enhance the library's role as center for community, culture and exchange of ideas? What does it mean to be a signature building? How does the new lecture hall respond to its physical context, or circumstance?

Strong senses of curiosity, exploration, discovery, and innovation are at the core of our design culture. We look for opportunities to make warm, inviting, engaging architecture throughout our practice, not for its own sake, but rather to advance our client's objectives. Although our portfolio of work is quite diverse, our firm specializes in making spaces for our clients that foster connection and inspire wonder.

During our work with you on the library addition, we were struck by the many wonderful programs and events run by the library. So much more than a repository of knowledge, the Newport Beach system in an example of forward thinking institution. These ideas are at the heart of our design culture at Bohlin Cywinski Jackson, and lead us to design lasting, meaningful work. We see the design journey of the new lecture hall as an opportunity to build on your strengths as an institution and our work together on the civic center. We look forward to getting started with you!

Key Project Considerations

A Lecture Hall as a signature building

What exactly makes a signature building? This is a question we discuss frequently among ourselves at Bohlin Cywinski Jackson and with our clients in all sectors. We've learned there are no wrong answers to this question, since what makes a building special depends on whom you ask. A building's iconic quality can manifest itself in many different ways.

Many signature buildings are memorable for their dramatic rooflines and forms—such as our work with you at the Newport Beach Civic Center and Park. Other signature buildings have a purity that resonates with innovative uses of materials and rigor of composition. The Apple Store cube in New York is a great example of this approach. Others may be re-purposed buildings whose interiors have been renovated for new and exciting uses, such as the new Presidio Visitor Center, which now creates a gateway experience to orient visitors to an urban national park. A signature building resonates with its environment and its community, whether that community is a family, a corporation, or a township. At its best, it stays fondly connected with that community in a manner that seems inevitable.

Themes of craft and attention to detail are paramount in our work, and give our buildings a signature quality down to the smallest scale of doorknobs, handrails, and light fixtures. We've learned a great deal in this regard from our residential work. We've learned how people live on an intimate level and have become adept at creating comfortable and humane environments. Insights from our work with houses carry over to larger projects. Steve Jobs and Paul Schell, then mayor of Seattle, both said they chose us because they admired our houses as well as our other work.

Our work with college campuses around the country demonstrates our ability to respond to context and create signature spaces. Buildings on campuses often require solutions that provide distinct identities while improving the cohesion of the campus experience. Most recently our office completed the Manetti Shrem Museum of Art on the UC Davis campus in collaboration with SO-IL design. Located at the southern edge of the campus, the unique form of a "Grand Canopy" draws visitors from a distance and serves as a gateway to campus. This canopy provides an engaging connection between the campus and the interior of the building.

Our collaborative approach coupled with our sensibilities to project circumstance, means that we will design a signature building.

A Lecture Hall that is a place for people

First and foremost, this lecture hall needs to be a great place for gathering. The connection between presenters and the audience is essential. Equally important are the opportunities for the attendees to connect with each other. Both of these connections are essential within the lecture hall, and be can described as the 'spirit' of the house. The organization of the seating, the shape of the interior volume and the relationship of audience to the stage all help shape the 'feel' of the house. In the concept phase, we will review a range of options with you, discussing which combination of alternates will deliver the best option.

Pocono Environmental Education Center

The relationship of the house to its pre-function space and the outdoors are important considerations and opportunities. You indicated you are looking for a space that, while able to be darkened for events when needed, is connected to the outdoors for a typical lecture. Our experience with creating spaces that are connected to daylight and views make us an ideal firm to team with you on the lecture hall. The lecture hall we developed with University of California, Davis, our Gathering Hall with Mills College and the Council Chamber we developed with you were all driven by a desire to have a strong connection to the outdoors. Each has delivered a flexible space that is connected with its surroundings.

Apple Store, Fifth Avenue

Nu Skin Innovation Center, 150-seat Auditorium

A Lecture Hall that works technically

At the bedrock of a strong lecture hall is a facility that meets your specific technical needs. We are excited to bring our deep experience in designing state-of-the-art, sustainable environments that include technologically savvy lecture halls, multi-function rooms, and theaters to your project. Examples include the flexible configuration of the Gathering Hall at the Lorry I. Lokey Graduate School of Business at Mills College (LEED NC 2.2 Gold), which seats up to 230 people for lectures, and can be reconfigured for banquets and board meetings. Often called the new living room of the campus, the unique shape of the room contributes to superior acoustics, and human comfort is maintained without air conditioning. Another example is Pixar's Animation Studio's 280-seat theater, which was the first to achieve professional THX certification for its size.

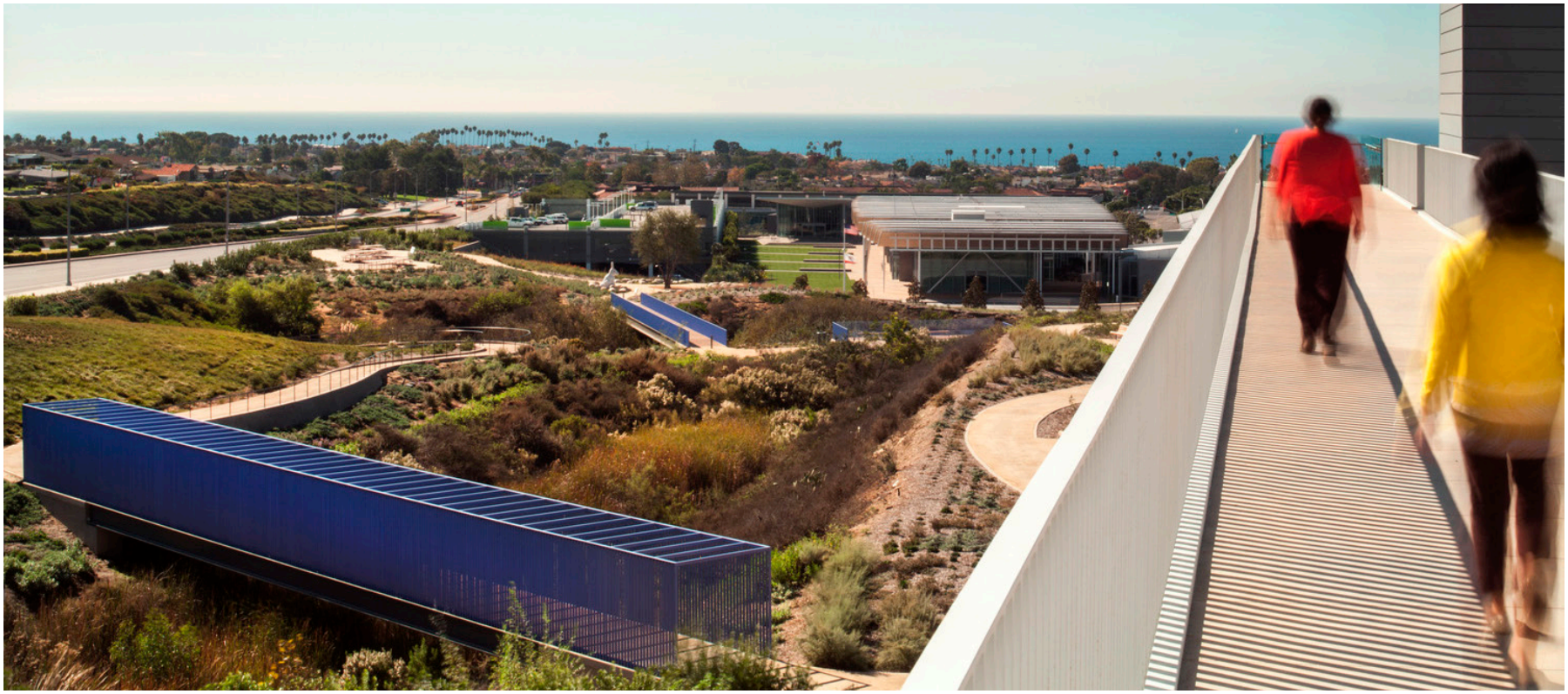
Sightlines, aisle locations and widths, room shaping, acoustic treatments and strategic AV locations are the building blocks of a successful presentation space. In cases, such as yours, when there is a desire to host a variety of events, the ideal arrangement for one event, e.g. a lecture, will be different than another, such as a musical performance. Working with you and our team, we will identify opportunities for flexibility that will maximize performance and audience experience for all settings.

The placement and flow among spaces that support the lecture hall are as important as the hall itself. Essential in this effort is the programming process—understanding what range of events you would like to accommodate in the lecture hall. From there, we will work with you on the orchestration of movement for people and things that take place in both front and back of house—creating a place in which, like a well-designed house, you can host guests in a warm and gracious manner, while making sure practical issues are accommodated in an elegant and seamless manner.

During this process, we will also discuss building in a long life for your lecture hall with you. This approach, arguably one of the best forms of sustainability, will provide you with a space the Newport Beach community can enjoy for decades. As an example, we have found that, while audio and visual systems, and power and data requirement are in constant flux, the principles of a strong place for gathering and presenting are timeless. We will work with you to develop a flexible infrastructure that can adapt to ever-changing systems needs while keeping the character and qualities of the lecture hall space intact.

A Lecture Hall that engages its site

Understanding the character of the site, its opportunities and constraints, is essential in delivering a project that builds from context rather than imposing preconceptions. As a first-order priority, we will work with you in the programming and concept design phase to more thoroughly understand these opportunities and issues, working with them to create options that



Newport Beach Civic Center and Park

interweave building and site, creating place and delivering a lecture hall that meets your needs.

The proposed site is an excellent location for a new lecture hall. Located in front of the existing central library and highly visible from Avocado, it will serve as an iconic beacon for the Civic Center complex, complementing the signature council chamber at the Civic Center's other end. In the more immediate context, this site is well positioned to gracefully connect with Bamboo Courtyard of the existing library. Done well, there is an opportunity here to have the lecture hall, its indoor pre-function space, adjoining outdoor space and the existing courtyard all function as one continuous space. Similar to the unified experience of your existing council chamber and community room under a light and airy sheltering roof form, indoor and outdoor can meld seamlessly, creating flexible space for events that maximizes benefit and enjoyment of Newport Beach's famous climate.

As you have seen in your studies to date, this is also a challenging site. This site has no 'back' side, it's highly visible from all angles. It's also a relatively narrow site, hedged on the west with water management features along Avocado and by parking to the east and the south. There is also the issue of access from Avocado – it would be good to have a more direct connection. Finding inspired design solutions in these sorts of challenging sites is one of our strengths for which we are best known.

Frick Environmental Center, Pittsburgh, PA

Process + Scope

Our Process

Our approach is different for each project and tailor suited to each circumstance. We do not design with a one size fits all approach. Instead, we will work with you to determine what a lecture hall library will mean for Newport Beach Library. We will identify the unique context and program goals for this library and will be informed by our interactive and collaborative process.

People Come First

Our design philosophy is grounded in humane values – people come first. We strive to design great spaces that serve rather than impose. We look for opportunities that allow for human comfort and connection, creativity and collaboration, and serve the technological and functional needs at work in our buildings. We engage ourselves in the social setting of each project's users and gain an understanding of their patterns, in both quantitative and qualitative concerns. We will fully embrace the values that make Newport Beach unique and translate that into architectural solutions.

Innovation

The wide variety of project types and scales with which we work has led to a culture of innovation within our practice. Our staff is not divided into departments based on market sector; instead, we foster well-rounded architects with broad ranges of experience. This makes us well positioned to innovate, since this wide variety of work cross-pollinates ideas across the firm. We do not rely on formulas or past successes, but re-frame challenges and opportunities with each new project. We are well positioned to innovate as we bring fresh ideas to the table and often question what many specialists would consider standards.

Innovation can take shape in many forms – it can be physical, with the use of new materials or feats of engineering, or conceptual, in the cases of programming, branding, or customer experience. Our work with Apple Retail over the past fifteen years is an example of both of these concepts. We were not retail experts per se when Steve Jobs approached us to lead the design efforts for Apple's retail stores in 2000. We brought an open mind and our broad experiences to the table, and helped Apple re-invent the customer experience. We created the concept of the genius bar, where customers receive one-on-one service. We incorporated an auditorium or forum into each store, where public events took place, from product presentations to live concerts. Architecturally, these stores became a direct reflection of Apple's brand and own design aspirations. The use of glass as a structural material was pioneered with these stores, and was used for their staircases, skylights, and facades.

Another example of our approach to innovation can be seen in the Pixar Animation Headquarters building in Emeryville, California. Here, the challenge was how to encourage interaction among Pixar's employees across departments to fuel their own culture of innovation. Our solution was to organize all commons spaces—including lobby, restrooms, conference rooms, lounges and a café—around a large atrium that acts as a central piazza for the campus. This dynamic central space provides a link for Pixar's diverse group of animators, artists, writers, and computer scientists.

Collaboration

Our process is an extremely collaborative one, and we recognize great ideas come from many sources. We develop these ideas as a group and will solicit ideas from the library and its community. As the project moves into the concept and schematic design phase the project begins to take shape. This is often one of the most exciting stages of the project: a solution comes into focus and galvanizes the community around its power and resonance.

Repeated and earnest engagement, in the form of two-way dialogue, with community stakeholders and library leaders offers the design team feedback that is representative of a diverse community. Soliciting this input during this initial design phase is crucial for the new Library lecture hall to truly serve as an urban activator and valued community resource.

Working with the LLHDC, our design team will develop focused workshops where community involvement informs the design and helps to galvanize support for the outcome. A detailed workshop plan follows in the Project Schedule section.

Integrated Design and Programming

During programming and concept design, we will compile space needs, technical and budget requirements, and site research. These variables all play a role in giving the project shape and form. An integrated programming approach defines the site's key characteristics, opportunities, and relationships. It delivers a genuinely integrated design that targets human need, functionality, affordability, and technology as the drivers of conceptual decision-making early in the process.

The outcome for integrated programming increases resource efficiency, lessens operating costs, controls environmental impact, and makes better places for people. By addressing a project's most complex issues upfront, we can offer clients better and timely control of a project's most important issues. Together, the City of Newport Beach, the Newport Beach Library Design Committee, and the Design Team will exercise more control over the project budget and project scope, while still engaging in "blue sky" thinking.

Our collaborative process has resulted in great working relationships with our consultant team as well—many of which we have worked with since our very first projects in the Bay Area.

Cost Control

Monitoring project costs is important to all projects, but especially essential to civic projects where public money is involved. We are pleased to include C.P. O'Halloran Associates on our team, with whom we have collaborated frequently. They bring substantial regional experience across a wide variety of sectors to help guide cost management.

Our team will be developing cost models with them early in the process—during the programming phase—to ensure the project budget is aligned with design aspirations. We will work together to monitor the costs through the development stages of the project, so that we can balance the cost impact of key decisions as they are made.

By integrating cost estimating early in the design process, we can explore a wide range of options while the opportunity to do so affordable, and build confidence and consensus that we have made the right choices to carry us through the project.

Fundraising Support

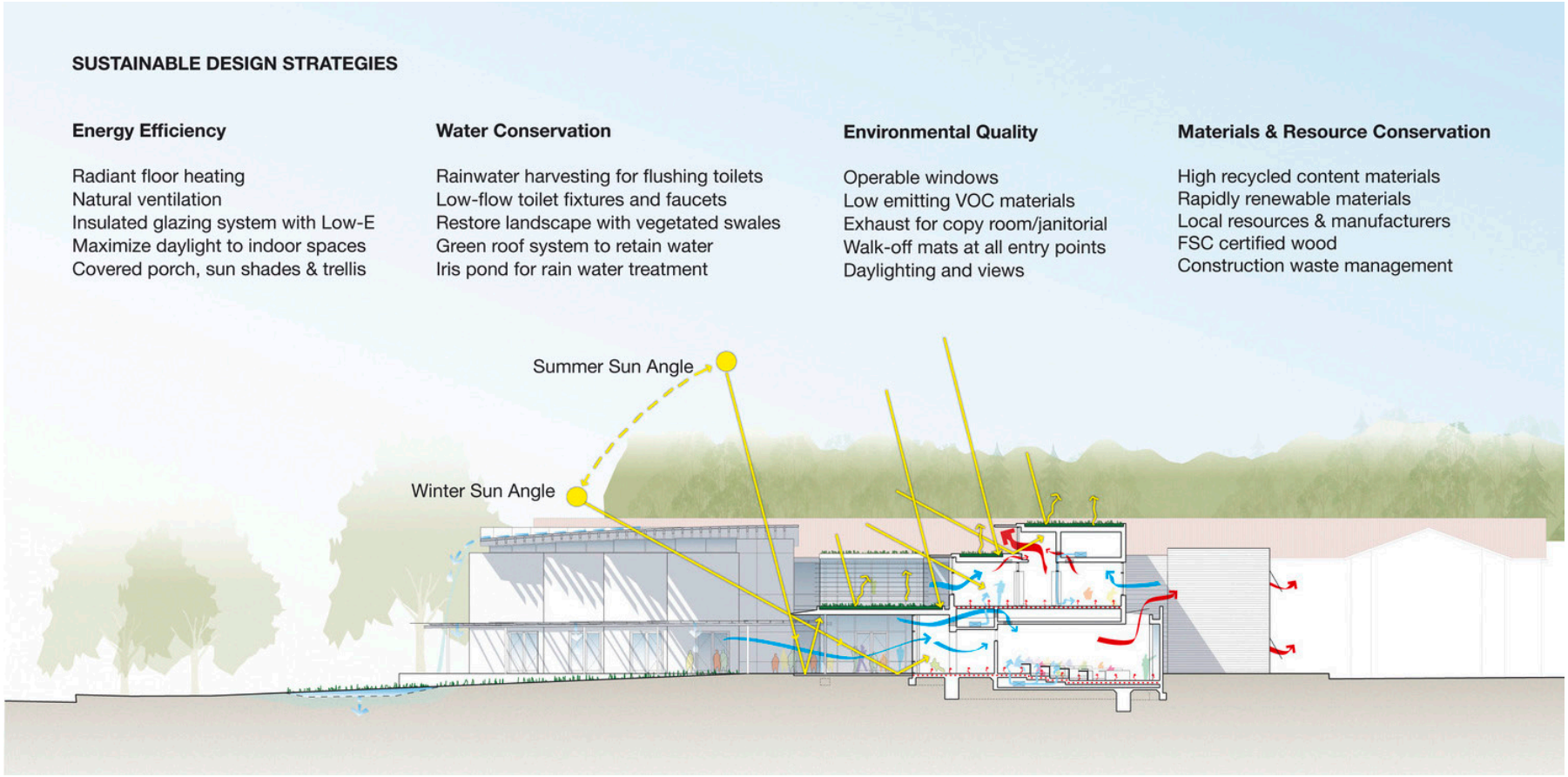
A large portion of our work is for non-profit institutions including the educational and cultural fields, where fund-raising is an important component of the process. We have extensive experience in working with clients to generate compelling visuals to help share design vision with prospective donors, as well as helping to generate a narrative, telling the story to potential donors in ways that will be meaningful to and resonate with them.

In communicating the promise a project holds, it is important to make sure that the most intriguing or attractive features of that promise are fulfilled in the completed building. Nothing is worse for long-term capital development than being forced to diminish the architectural impact of a naming gift opportunity. As a result, we are careful to relate our fundraising materials to detailed cost estimates to ensure that the project is achievable as portrayed. The conclusion of the Concept Phase and the completion of the Schematic Phase offer good milestones during the fundraising process.

Mills College Lorry I. Lokey Graduate School of Business, Fundraising Materials

In Addition to this traditional fundraising support, we have also helped clients by integrating donor recognition features into prominent areas of projects.

- During our work with you on the Newport Beach Civic Center, we worked with the Library and the Library Foundation on developing a package for donors. This included a summary of spaces along with drawings showing each space.
- Mills College Graduate School of Design – we produced rendered plans, interior and exterior perspectives, and assisted the client with a presentation model that were incorporated into a case statement. We assisted our client in developing a strategy for naming opportunities within the project, help assign fundraising targets for specific naming opportunities, and developed a donor recognition signage program located prominently in the building's lobby.
- The Grand Tetons National Park Visitor Center – we assisted the client with professional watercolor renderings and presentation models that they incorporated into an elegantly crafted case statement.
- At the Turtle Bay Discovery Museum and Visitor Center, we designed a unique donor recognition wall made of metal and acrylic engraved turtle shaped silhouettes. This feature wall is designed to expand as their fundraising grows.



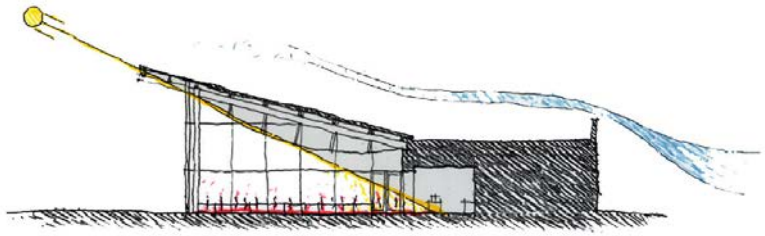
Lorry I. Lokey Graduate School of Business, Mills College

Sustainability

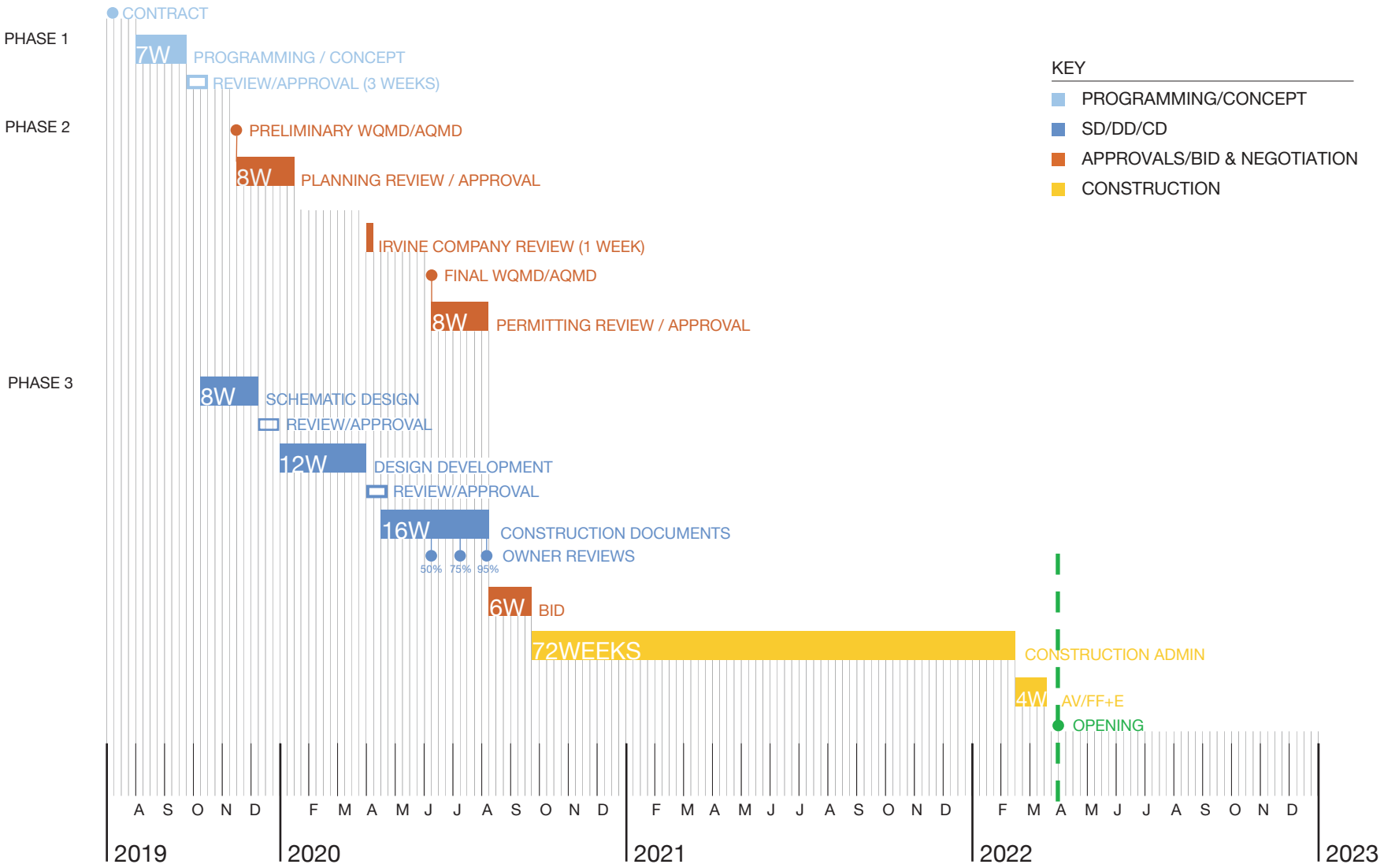
From the beginning, environmental sensitivity has been integral to the firm's design culture. In this we continue to innovate; using smart planning along with advanced building systems to make the most of sun for light and heat, wind for ventilation, and the land for insulation. We work closely with our specialty consultants to ensure a seamless integration of their engineering systems into the architecture. Most of all, we strive to create well-crafted buildings that people will love and care for over time, which is in itself an act of sustainability. We view sustainable design as the right thing to do, but also as an opportunity to reflect Newport Beach's commitment to environmental stewardship.

By partnering with WSP for MEP, we ensure the integration of their industry-leading approach to sustainability. WSP's crosscutting consulting services include a focus on health and wellness, comfort and district-scale planning to reduce the use of resources like energy, water and materials, thus reducing carbon emissions. They draw from their extensive experience on LEED Platinum, Net Zero and Net Positive Energy projects to help clients quickly identify cost-effective strategies to achieve restorative and regenerative design. Together we take a whole-systems approach to buildings and communities, integrating building simulations, passive design strategies and resource-efficient active mechanical systems.

Poconos Environmental Education Center



PROPOSED SCHEDULE



NOTE: THIS SCHEDULE ASSUMES FUNDRAISING DURING DESIGN AMD DOCUMENTATION IN PHASE 3 (DESIGN)

Proposed Work Plan + Schedule

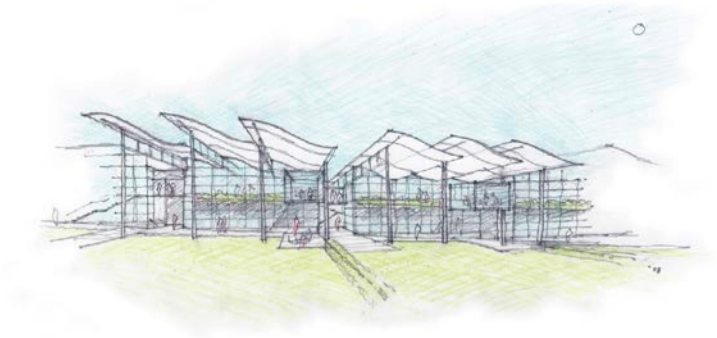
Work Plan

We've made some assumptions to generate the proposed speculative work plan. If we are successful at being awarded the project we look forward to your feedback and suggestion during our pre-design meeting. The proposed work plan follows the design phases into which tasks and deliverables of the three phases outlined in the RFP have been incorporated. We have provided a detailed outline for the critical early design phases through the end of Concept Design and Programming. This includes efforts associated with generating sufficiently developed design and promotional materials to assist in your fundraising efforts. Following, we have a broader outline of deliverables through 2019, culminating with Construction Documents summer of 2020. After the Bid phase, we expect construction to begin in fall of 2020 and extend to early 2022.

We believe the attached schedule, which follows a traditional design/bid/build process, represents an appropriate time frame for achieving key project milestones and deliverables, including:

- Thorough and coordinated phase-end documentation appropriate for each stage.
- Subsequent cost review and value engineering efforts to keep the project on track.

A more detailed conversation with you about programmatic requirements, project delivery choices, fundraising timelines, EIR review process, move-in requirements, and stakeholder engagement process will allow us to tailor this schedule to the specific needs of the Library Lecture Hall.



CONCEPT DESIGN AND PROGRAMMING – 7 weeks

The purpose of this initial phase is to develop a clear understanding of the program, strategic goals, and Library's aspirations. At the completion of this phase program criteria will be defined and will guide the design process forward. Working with you, we'll review, analyze and distill quantitative and qualitative information into a document serving as the road map for Schematic Design and beyond. Design materials generated during this phase will also be instrumental to the fundraising effort.

Goals

We understand from reviewing the RFP that some planning and program have been developed, the first phase will require some verification and refinement prior to the start of Schematic Design. Issues that will be important to address include:

- Site survey and geotechnical testing
- Building program verification and overall project size
- Use programming analysis
- Building/landscape integration
- Architectural and Landscape Design vision
- Review of adjustments to stormwater management

Precedents

Early in the design process it's helpful to review precedent 'benchmark' projects selected by the stakeholder group that contain desirable features or characteristics; we believe this provides strong reference points and a common understanding for the design team.

Sustainability and Performance Goals

We strongly recommend that performance goals for the new building and its ongoing operations be identified during Pre-design. While Newport Beach has not identified specific sustainable goals for this project, we believe that by having a conversation early in the process, we can identify sustainable opportunities at no additional cost to the project. This is a highly effective means of achieving integrated sustainable design, particularly for energy and resource efficiency. It is also an opportunity to identify parameters for the ongoing operational costs and maintenance of building systems that will influence design solutions.

We will lead a goal-setting session with you and those you would like to include in the conversation, then develop an integrated design brief to evaluate the ramifications on program, site and building, technical performance and cost on one another so our clients have the right information upon which to base their decisions. Setting performance goals at the outset streamlines this process and helps us deliver the results you want.

Schedule

This phase is crucial to the overall development of the project. It requires adequate time to explore great ideas and develop consensus among stakeholders, and sets the priorities, aspirations, and goals of the entire project. We've found that regularly scheduled bi-weekly meetings early and often in the design is most effective in defining project goals and focusing design solutions.

Project workshop meetings are scheduled early in the design process (Concept Design and Schematic Design) and are expected to be a full-day working session with Library and City staff, the selected stakeholder group, and design team members specific to the meeting focus. They will also include meetings with the Library Lecture Hall Design Committee (LLHDC), the Library Foundation, the Newport Beach community, and a presentation to the City Council. These intensive meetings will help to develop, confirm and refine the project's goals, concepts, and functional requirements. Successful resolution of these initial parameters, especially as understood within overall budget constraints, set the stage for an efficient overall design and construction process. Because of the integrated nature of landscape and architecture on the site, BCJ and Einwiller Kuehl will attend early workshop meetings.

Prior to Workshop #1: Research and Data Collection

- Site research and historical/urban context analysis
- Collect data on existing conditions, important site connections, program, etc
- Review relationship to the surrounding context

Workshop #1: Project Vision

- Explore broad questions and develop project aspirations
- Validate space program (square footages, uses, etc)
- Confirm events program
- Field review of existing conditions including utilities.
- Macro-focused design (site and urban scale)
- Identify sustainability targets
- Review potential user experiences
- Building + site design ideation with full design team
- Street approaches
- Define indoor/outdoor and public/private goals
- Spatial relationships and program adjacencies

Workshop #2: Developing a Conceptual Vision

- Materials will include site diagrams, building massing, and program arrangement diagrams as influenced by Workshop # 1
- Review of options for how program elements may be distributed on the site

Public Presentation #1

Workshop #3: Develop a Conceptual Design

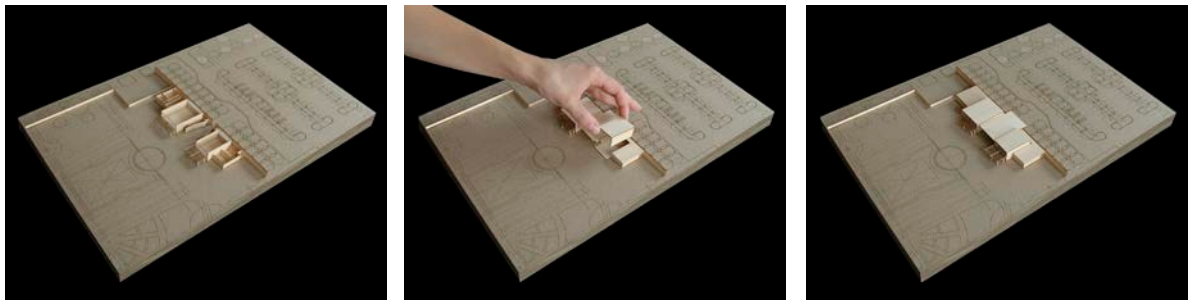
- Review preliminary design solutions and agree on a direction for the continuing development of the Schematic Design.
- Materials will include three-dimensional representations of building spaces and forms, plan diagrams, site development plans, proposed finish materials.

City Council Presentation #1

Deliverables at Completion of Concept Design

- Professional Renderings for fundraising
- Plan of site drawings, building organization, and system narratives
- Study models – Physical study models and/or computer generated
- Renderings (produced in house)
- Updated Program of Requirements
- Conceptual Cost Estimate
- Sustainable Goals Summary
- Draft project narratives and drawing documentation to support Entitlements submissions
- Project Schedule (maintained throughout design process)
- Program Validation Cost Estimate
- Meeting Minutes

Community Room, Cherie Flores Garden Pavilion, Houston, Texas



Study Models, Cherie Flores Garden Pavilion, Houston, Texas

Rensslaer Polytechnic Institute, Center for Biotechnology, Auditorium

SCHEMATIC DESIGN - 8 WEEKS

The development of proposed design solutions will be based on the principles and strategies as developed in the Concept Design phase. In this phase, the design of the building and site will be further developed through an interactive process with the City and stakeholder group.

Goals

- Further define the architectural and landscape character
- Iterative design solutions focused on achieving project vision
- Reinforce civic center connections and elevate user experience
- Address parking/circulation/access needs

Schedule

Workshop #4: Emergence of Design Opportunities
Participants: LLHDC, BCJ, Einwiller Kuehl, and Psomas

- Refinement of site and landscape design solutions based on feedback from prior Workshop and Conceptual Design phase
- Review of options for exterior program elements distribution on the site
- Review preliminary design solutions and agree on a direction for the continuing development of the Schematic Design.

Workshop #5: Refinement of Design Solutions
Participants: LLHDC stakeholder group, BCJ, Thorton Tomasetti, WSP and FKA

- Materials will include site diagrams, building massing, and program arrangement diagrams as influenced by the Conceptual Vision and project circumstances as described in the Program/Conceptual Design summary
- Review of options for how program elements may be distributed on the site
- Review of sustainability goals and potential solutions, including Saving by design discussion.

Public Presentation #2

Workshop #6: Review of Design Solutions
Participants: LLHDC, BCJ, PWP

- Check-in to review design progress and discuss critical design details
- Discuss plans, section, elevations of building, parking, and landscape
- Materials will include three-dimensional representations of building spaces and forms, plan diagrams, site development plans, proposed finish materials and furniture test fits.
- Meeting participants will be invited to “tour” the proposed design solutions with Virtual Reality. This allows meeting participants to gain a better understanding of the experiential quality of moving through spaces.
- Site design options, including organization of landscape, walkways, outdoor gathering spaces, and ornamental areas.
- Parking efficiency, street realignment and traffic analysis studies

City Council Presentation #2

Deliverables at Completion of Schematic Design

- Updated Program of Requirements
- Schematic Drawings (plans, elevations and sections) indicating adjacencies and program spaces.
- Site Infrastructure Plan, including street realignment
- Design Criteria for structural, MEP/FP, building envelope, building systems durability and maintainability

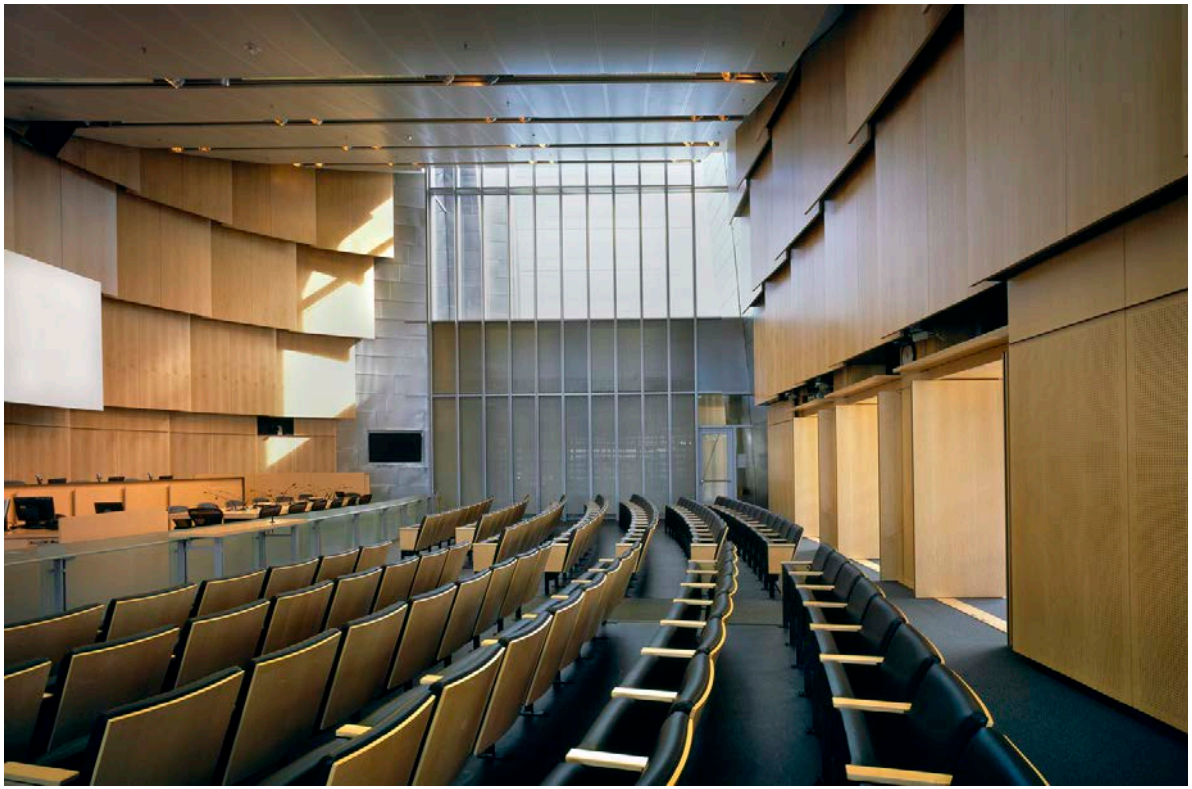
- Outline Specifications/Schematic Building Descriptions of building materials and systems
- Schematic Design Cost Estimate
- Area Tabulations
- Code Analysis, Accessibility Plan
- Updated LEED Checklist
- Schematic design-level models, renderings and animations (produced in-house)
- Schematic level documentation for Landscape, Civil
- Documentation and guidelines from Lighting, Consultants
- Final text and drawing documentation to support Entitlements submissions
- Updated Project Schedule
- Cost Estimate
- Meeting Minutes

Presentation

Schematic Design summary presentation at the conclusion of the phase to LLHDC, stakeholders, and City decision makers.

DESIGN DEVELOPMENT - 12 WEEKS

Specifics about building systems and architectural details are begun during this phase; this is also an important juncture for sustainable design decisions, including the inclusion of a commissioning agent. We will begin specific research into materials and componentry that will be specified, as well as material palettes. During Design Development, we will test in earnest how the interior fit-out integrates with the building core and shell. Mockups of architectural or interior details may begin in Design Development. We anticipate some follow-up workshops with the LLHDC group and at least one major presentation to the public and the City Council. The Design Development Drawings and Specifications will be used for the 75% design review.



Seattle City Hall, Council Chamber

Deliverables

- Design Development Drawings (plans, elevations, sections, wall sections, key interior elevations and details
- Engineering Calculations
- List of long lead-time materials and/or equipment
- Design Development Specifications
- Design Development Cost Estimate
- Area Tabulations
- Code Analysis
- Ongoing LEED Documentation and Reviews
- Building Material and Color Palette finish board
- Design development-level renderings and animations
- Schematic-level FF+E package
- Updated Project Schedule
- Updated Cost Estimate
- Meeting Minutes

Presentations

Design Development summary presentation at the conclusion of the phase to LLHDC, stakeholders, and City decision makers.

Additional Services

TBD, may include mockups, professionally produced custom models, renderings and animations if requested by the City.

Newport Beach Civic Center, Rendering

CONSTRUCTION DOCUMENTS - 16 WEEKS

Distillation and documentation of previous design phases; we will structure this phase to include key milestone deliverables and reviews at 50% CD (95% Design) construction documentation, as well as the 100% construction document set.

Deliverables

- Construction Documentation Reports
- Project Manual Revisions
- Construction Documentation Drawings (plans, elevations, sections, wall sections, interior elevations and details)
- Construction Documentation Specifications
- Final Engineering Calculations
- Special Equipment Specifications and Cut Sheets
- Construction Documentation Cost Estimate at 50% complete, with escalations and contingencies
- Area Tabulations
- Code Analysis
- Ongoing LEED Documentation and Reviews
- Final Building Material and Color Palette finish board
- FF+E drawings and specifications
- Updated Project Schedule
- Updated Cost Estimate
- Meeting Minutes

Documentation Checks

Our designs are checked by senior members of our staff not assigned to the core team for design intent, constructibility and adequate documentation throughout the design and construction process. This review intensifies as construction documentation reaches the 50% and 100% completion milestones.

Reviews and Approvals

Bohlin Cywinski Jackson recommends starting reviewing agency meetings early in the design process to facilitate permitting in a timely manner. We also recommend continuing with mockups of important building components, so that the eventual occupants and users of these areas understand what has been designed and any final adjustments are made prior to beginning construction.

Presentations

Presentations to be determined with LLHDC as needed.

Additional Services

TBD, may include mockups, custom models, renderings and animations.

CONSTRUCTION ADMINISTRATION - 72 WEEKS

The new event space, parking garage, and site improvements are significant both in scale and complexity. We expect the Lecture Hall will want frequent construction observation from Bohlin Cywinski Jackson. We would like to maintain consistent involvement in construction administration; we find it the best way to maintain quality and convey design intent to the contractor team.

Meetings

For continuity through construction, BCJ will be the design team lead during Construction Administration and will attend site/OAC meeting on a bi-weekly basis in this phase. These will include a combination of Owner-Architect-Contractor Meetings and Construction Observation Visits, combined into one site visit trip for efficiency. Einwiller Kuehl and the design team will be available for meetings on an as-needed basis. We often find that, in order to best serve the project and deliver the quality building that is owned in the documents, additional site visits may be beneficial, depending on a variety of factors including the choice of general contractor for the project. We can discuss what is best for this project at the start of this phase.

Deliverables

- Field Reports
- Submittal reviews and RFI responses
- Supplementary drawings and Specifications, as required
- Punch Lists
- Ongoing LEED Documentation and Reviews in preparation for final LEED certification

POST CONSTRUCTION

Even with attentive construction observation and administration by Bohlin Cywinski Jackson, the Museum will benefit from our assistance in helping you identify and adjust shortcomings that may become evident once the building goes into operation. Part of the process is also becoming familiar with the systems in the building, which may require adjustment by installation personnel and the training of your facilities management staff in how to operate the systems properly. The commissioning process is critical to achieving ongoing energy and water savings; unfortunately, many buildings that initially met LEED certification standards run far below optimal levels because of inadequate monitoring, maintenance and operation of building systems.

LEED certification is finalized during post-occupancy and requires commissioning and operational data in order to be completed.

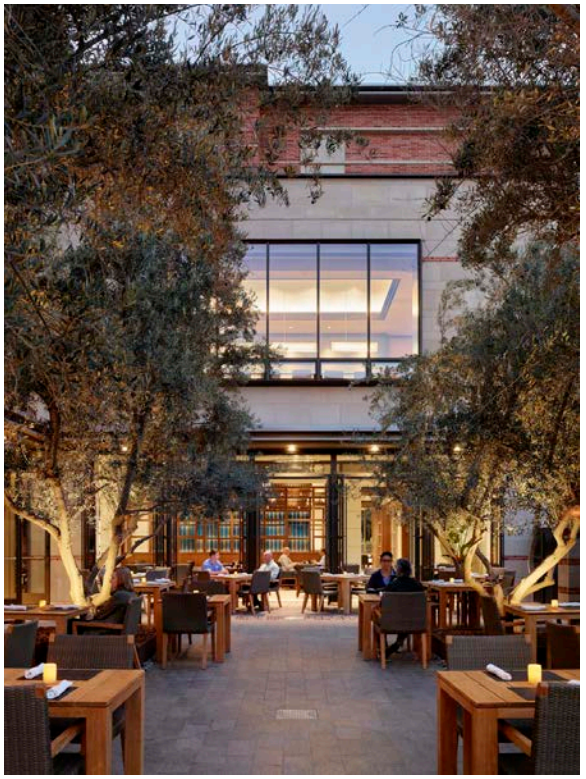
Post-occupancy is also an ideal time for the entire project team to learn how the building met expectations, and to use the knowledge gained from post-occupancy meetings to develop best practices standards for future work. This will be beneficial to all members of the project team, and we look forward to these meetings with you.

Deliverables

Post-Occupancy Reports
Record Drawings and Specifications
Letter-Sized Schematic Floor Plans
Final LEED certification documentation

Additional Services

TBD, but a formal post-occupancy report is recommended.



Luskin Conference Center, Courtyard

University of Pennsylvania Dining Commons

2

‘Our iconic new Civic Center has generated an upwelling of renewed community pride. It makes our City stand out and will serve as a gathering place for generations.’

– Steve Badum
Former Assistant City Manager
City of Newport Beach

Relevant Experience

We have included a selection of projects from our portfolio that are most relevant in size, complexity, nature, and process to the proposed Newport Beach Library Lecture Hall building. While there is a diversity of architectural expression—the direct result of finding a solution that best fits each client—there are identifiable underlying common themes; an integration of buildings into their context through the site programming process, thoughtful employment of natural light, and the creation of places for people.

From the earliest stages of a project, starting with programming or program verification, we integrate the human and technical requirements with the overall design response, while balancing the nature of the site. The resulting architecture comes out of the deep understanding of the functional and technical issues and is then brought to life by the emotionally poetic and intuitive human elements.

Newport Beach Civic Center and Park

Client
City of Newport Beach

Location
Newport Beach, CA

Size
City Hall: 100,000 SF
Library Addition:17,000 SF
Council Chamber: 2,420 SF
155 seat capacity
Community Room: 2467 SF
299 seat capacity

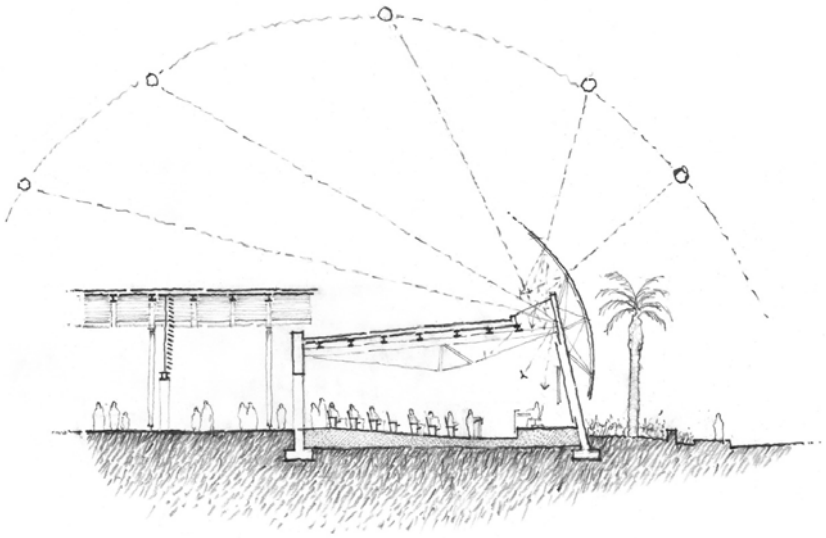
Completed
2013

Reference
Steve Badum, Former Assistant City Manager
City of Newport Beach
p: 949.795-9068
badum@roadrunner.com

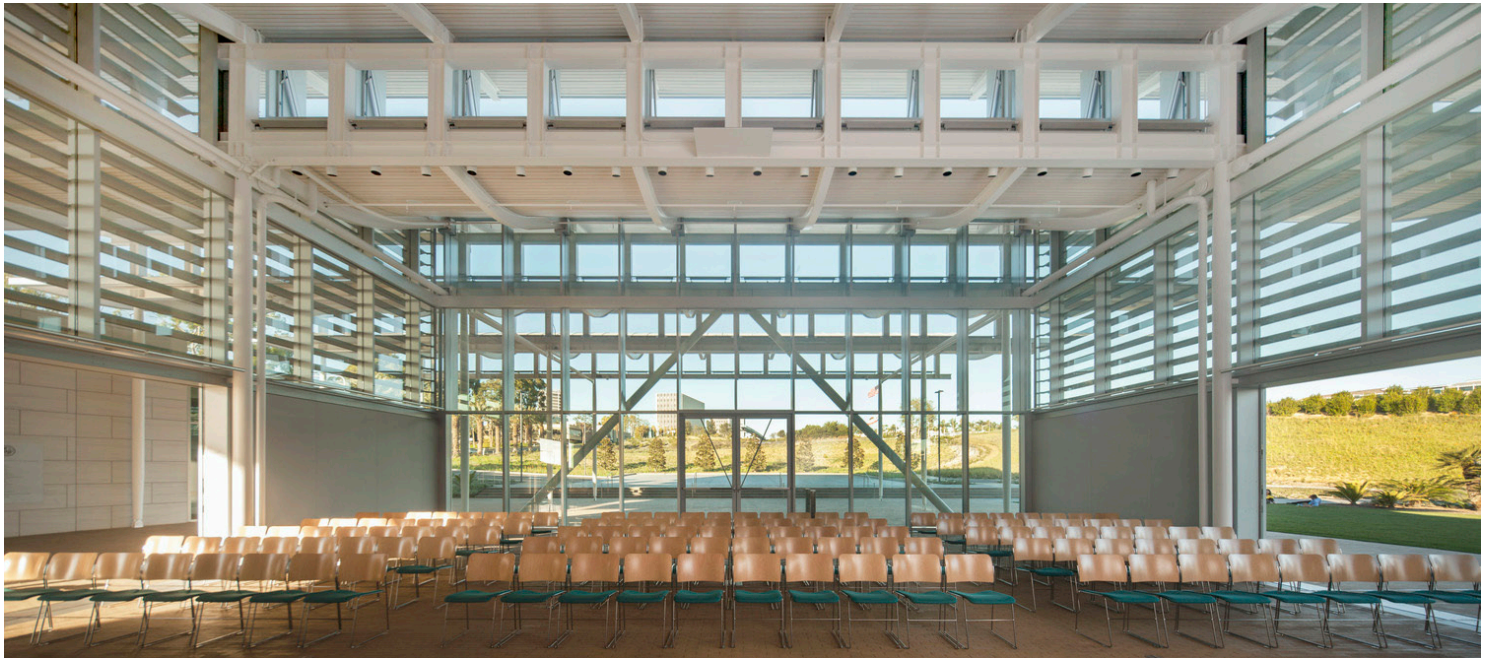
The Newport Beach Civic Center and Library creates a new center of civic life for this Southern California beach-side community of 80,000. The City Hall serves as a hub for the community in the largely suburban community. Arriving visitors are greeted by the freestanding council chamber, clearly marked with its billowing 'sail'. Upon turning into the site and slowing, visitors pass the community room, the City's 'living room'. The pair of unique public spaces provide opportunities for civic engagement. These two signature spaces are connected by an open-air covered breezeway / porch that acts as a social pre-function space for each. The council chamber is a state-of-the-art signature room, accommodating 155 fixed auditorium seats arranged on a gently sloping floor. The council chamber is supported by the city's broadcast channel's control room and the council's conference room. The chamber's daylit main space allows for meetings and presentations to be conducted in daylight. The Community Room is a flat-floor flexible space that can be used for lectures, presentations, as well as a variety of civic events. Supporting the community room is a furniture storage room, AV room, and catering kitchen. The community room opens up to the adjacent civic green, and breezeway to allow for events to extend to the outdoors.

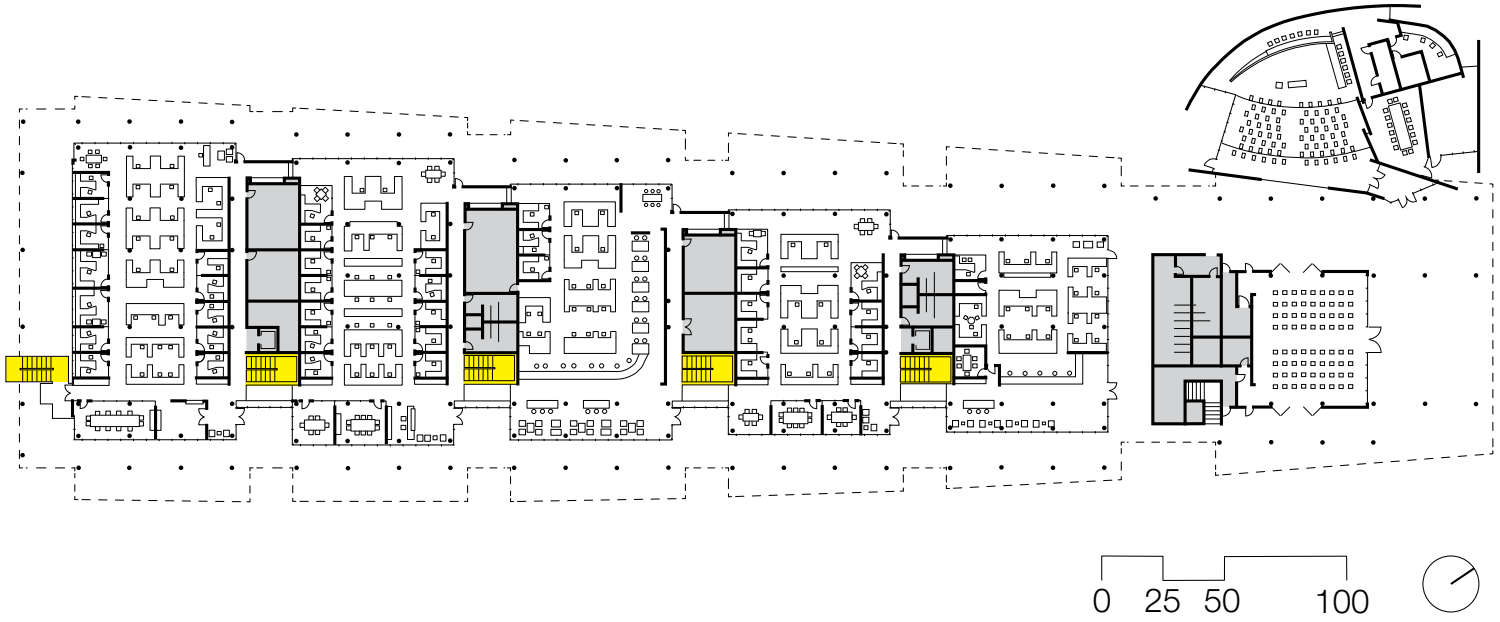
Project Relevance + Key Strategies

- Council chamber includes low-slope fixed audience seating enhancing audience connection to presenters
- Community room and council chamber are connected by covered outdoor porch that acts as a social pre-function space for events
- Public project
- Comprehensive public process
- Modern, welcoming design
- Flexible, people-centric places
- Extensive day-lighting and natural ventilation to reduce energy consumption




NEWPORT BEACH CITY HALL

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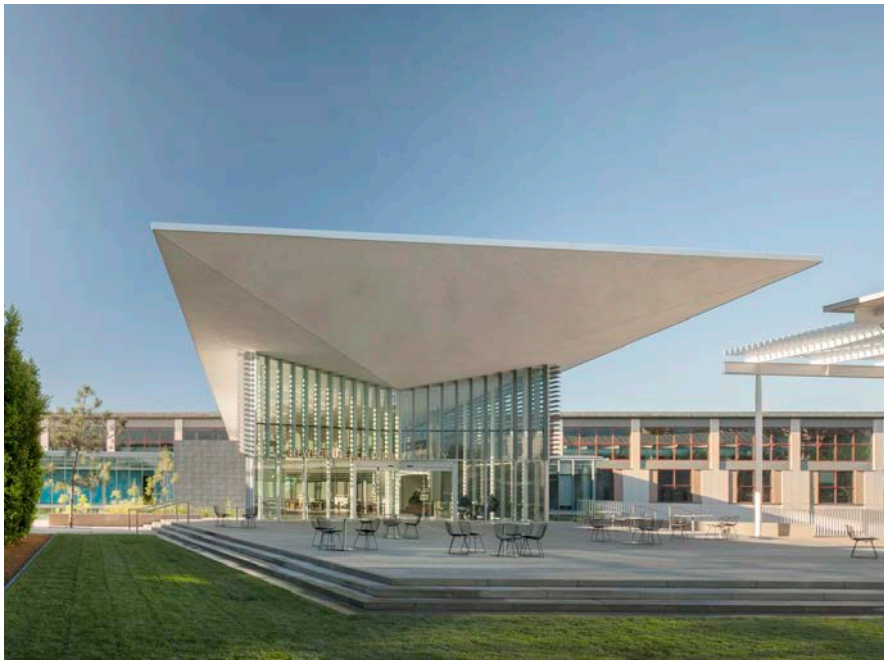
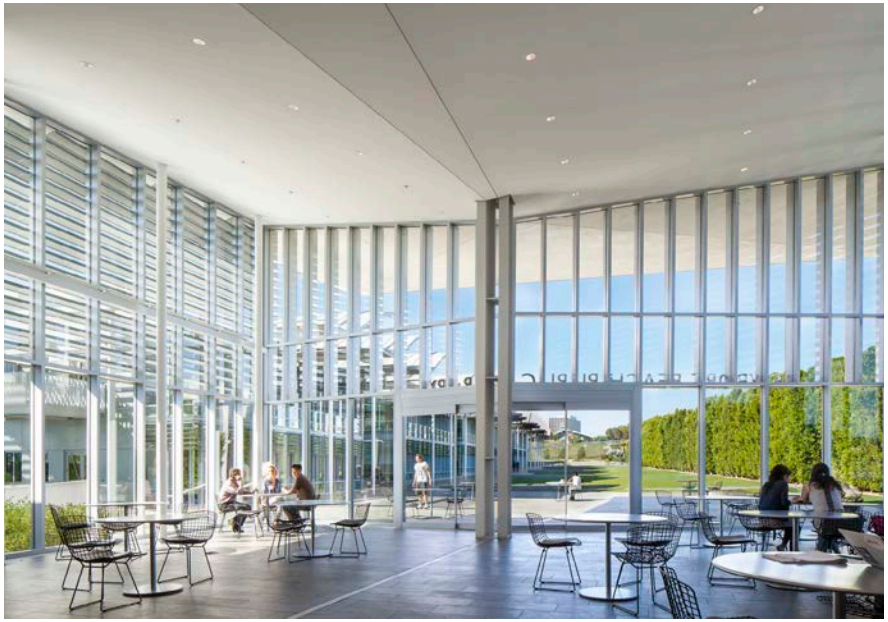




California Hall
University of California, Davis

Client
University of California, Davis

Location
Davis, CA

Size
16,500 SF
565 seat capacity

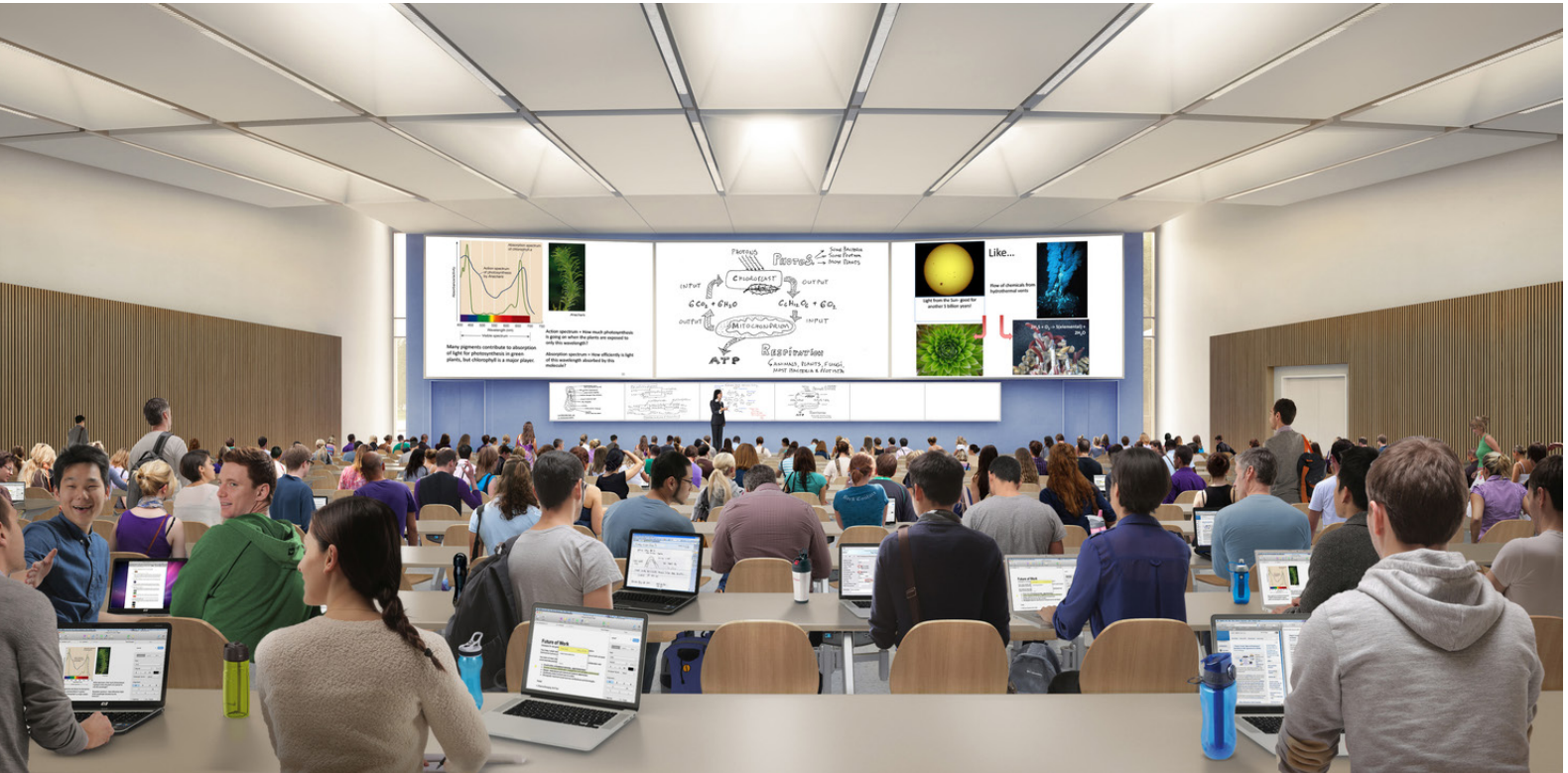
Completed
2019

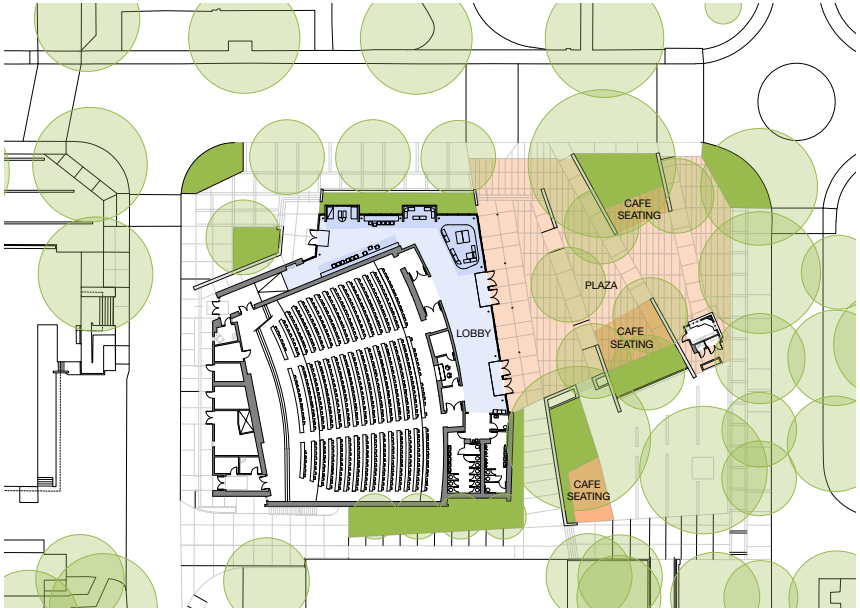
Reference
Debra Smith
Senior Project Manager
530.754.1087 | dlsmith@ucdavis.edu

This interactive teaching hall delivers an innovative learning environment that is designed for flexibility and future adaptability in the evolving higher education pedagogy. The design focus of this building and adjacent outdoor space is on fostering engagement and collaborative interaction in a welcoming and inclusive environment. The building is designed to accommodate a variety of presentation formats that include traditional lecture as well as panel discussions, presentations, and distance learning through a state-of-the-art robust video conferencing system. The game-changing design features a clam shell seating area orientation that incorporates a low-slope floor to strengthen connections between presenters and the audience. Ample fixed counters and circulation with yoked swivel seating facilitates ease of circulation and “think/pair/share” active learning curricula. The space is enhanced with the implementation of the latest information technology and audio/visual infrastructure. The development of a flat, structural floor underneath the sloped plenum floor supports future flexibility, allowing the space to be converted into smaller instructional areas if needed. Overhead, a series of light capturing coffers provide a day-lit filled space that enhances student interaction and is controlled through an extensive light monitoring system that optimizes the presentation experience for each lecturer.

To attain a minimum of LEED Gold, sustainable strategies include high performance envelope design, optimized solar orientation and shading, high efficiency condensing boiler, heat recovery, displacement ventilation, and controlled daylighting. The building is designed to be Net-Zero Ready.

Project Relevance + Key Strategies
- Active-Learning lecture hall allows for variety of presentation formats
- Naturally day-lit hall from clerestory glazing and skylights
- Ample pre-function Lobby space includes study space and social spaces that connects to a pedestrian plaza
- State-of-the-art audio-visual technology and acoustical systems
- Energy efficient design


Like...
ATP
Respiration



SITE PLAN

0 50 FT

Lorry I. Lokey Graduate School of Business Mills College

Client
Mills College

Location
Oakland, CA

Size
28,000 SF
200 seat capacity

Completed
2009

Reference
Karen Fiene
Campus Architect
p: 510.430.2323
kfiene@mills.edu

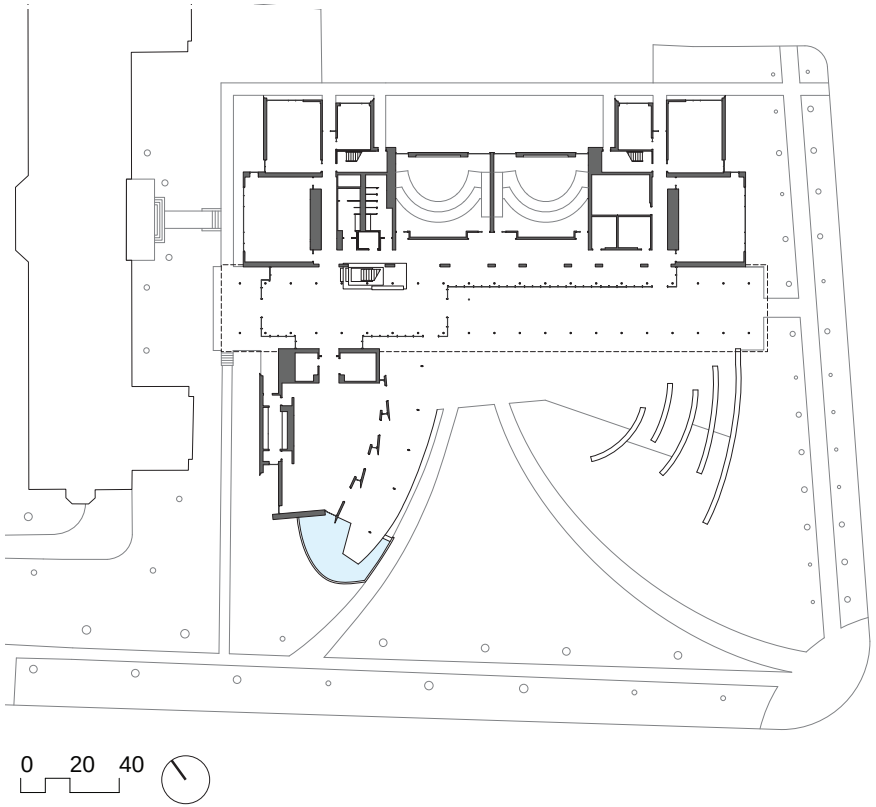
The Mills College Graduate School of Business is prominently located on the main entryway to campus and reflects the vision and vitality of an institution focusing on the future. The building features wide covered porches across the front and sides, extending collaboration and community from the interior. Two lecture halls with tiered seating provides space for an expanding enrollment, while breakout rooms and a student lounge support focused teamwork and informal group discussion. The Gathering Hall is a key focal point of the project. The Gathering Hall's design features a dramatic, double-height daylit volume, with an expressive timber ceiling structure, and a stone feature wall. The space has a direct connection to the outdoors via a patio, which in conjunction with the building's lobby, is designed to support pre-function activities. A LEED Gold rating confirms that this building has met rigorous criteria for energy efficiency, water conservation, and use of air and light. It also symbolizes Mills' commitment to educating socially and environmentally responsible business leaders.

Project Relevance + Key Strategies

- Gathering Hall accommodates flexible furniture arrangements – lecture, panel discussion, receptions, as well as board room and banquets
- Design includes elegant signature material palette, daylighting, and acoustical performance
- Gathering Hall supports entire College, as 'Campus Living Room'
- Includes catering kitchen to support social events
- Program includes integrated AV systems, AV control room, furniture storage room

"The architectural ingenuity of the building is firmly rooted in our commitment to environmental stewardship."

Renée Jadushlever, Vice President of Operations at Mills College



Pixar Animation Studios
Steve Jobs Building

The Steve Jobs Building is the centerpiece of Pixar Animation Studios' 17-acre Emeryville Campus; it is the first building constructed and continues to be the most beloved among employees. The design centers around a large atrium lined by spaces for collaboration and spontaneous interaction to foster connection and community among the company's many disciplines. Flanking this atrium are a suite of screening spaces; two 60-seat intimate theaters for teams to review works in-progress, and a main 260-seat Dolby THX certified theater. This theater is designed for screening films as well as hosting lectures, panel discussions and company celebrations. Seats are upholstered in red velvet, evoking Hollywood glamor. Acoustical performance and audio-visual systems are world class, and the lighting design creates a range of moods to support a variety of events and screenings.

CLIENT Pixar
SIZE 220,000 SF
REFERENCE
Peter (Pete) Schreiber, Director of Facilities
510.816.1030 | pschreib@pixar.com

Nu Skin Innovation Center

The Nu Skin Innovation Center is an addition to the company's original headquarters in Provo, Utah. The LEED Gold facility includes offices, research labs, and employee amenities, and is organized around an atrium that hosts large events for the company's global workforce. A cantilevered concrete slab along the edge of the atrium marks the entry to a beautiful 150-seat auditorium clad in maple wall and ceiling panels creating a warm, inviting interior. The Innovation Center has quickly become the premier event venue for the company and the city, significantly strengthening Nu Skin's ties with the local business community.

CLIENT Nu Skin Enterprises
SIZE 310,000 SF
REFERENCE
Matthew Burke, Global Real Estate & Facilities Director
801.615.1979 | Matthew.Burke@merit.com

Center for Biotechnology

This four-story facility for Rensselaer Polytechnic Institute contains biotechnology and bioengineering research programs. A signature 153-seat auditorium sits at the end of the building as a one-story mass, articulated as a sinuously curved brick wall. Above the auditorium, an outdoor terrace overlooks the principal green spaces of the south campus. The lower, organic form of the auditorium and its oval entry vestibule, help bring the long south wing of the large building down to a human-scaled conclusion. The auditorium roof terrace affords stunning sunset views, making it a favored venue for evening social events in fair weather.

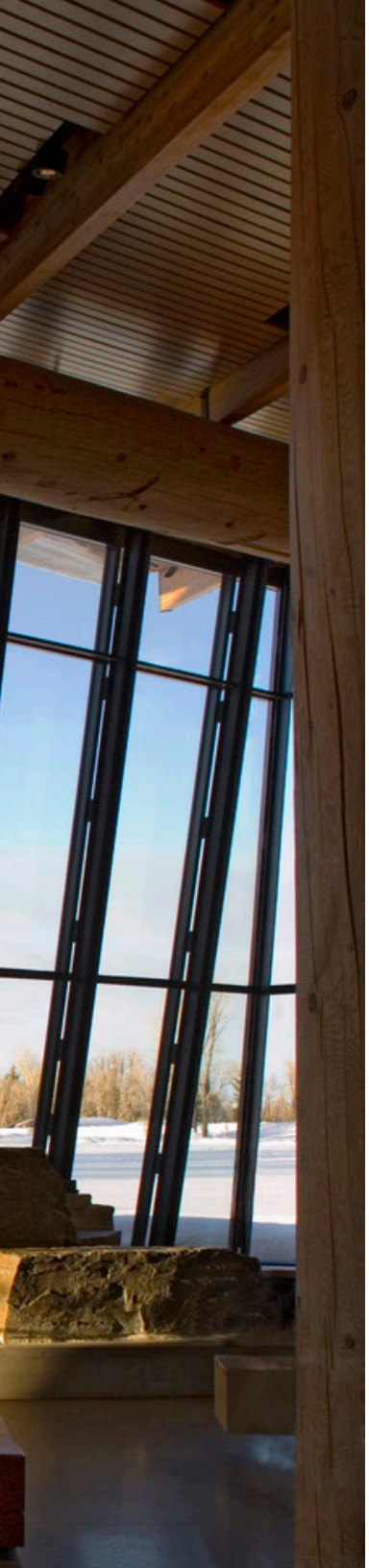
CLIENT Rensselaer Polytechnic Institute
SIZE 219,000 SF
REFERENCE
Andreas C. Cangellaris, Vice Chancellor for Academic Affairs & Provost
217.333.6677 | cangella@illinois.edu

Luskin Conference and Guest Center

The Luskin Conference and Guest Center is integrated into the UCLA campus in a manner which respects and relates to the original design intent adopted when the campus was established. The building includes a 30,000 SF conference center, with a divisible ballroom, a variety of flexible meeting rooms, board rooms and a 95-seat sloped floor lecture hall that sits adjacent to the building's main entry court yard. The courtyard acts as the lecture hall's pre-function space and hosts a variety of social events in support of the conference center.

CLIENT University of California, Los Angeles
SIZE 295,000 SF
REFERENCE
Peter Henrickson, Associate Vice Chancellor
310.825.0256 | phendric@capnet.ucla.edu

Grand Teton Visitor Center



3

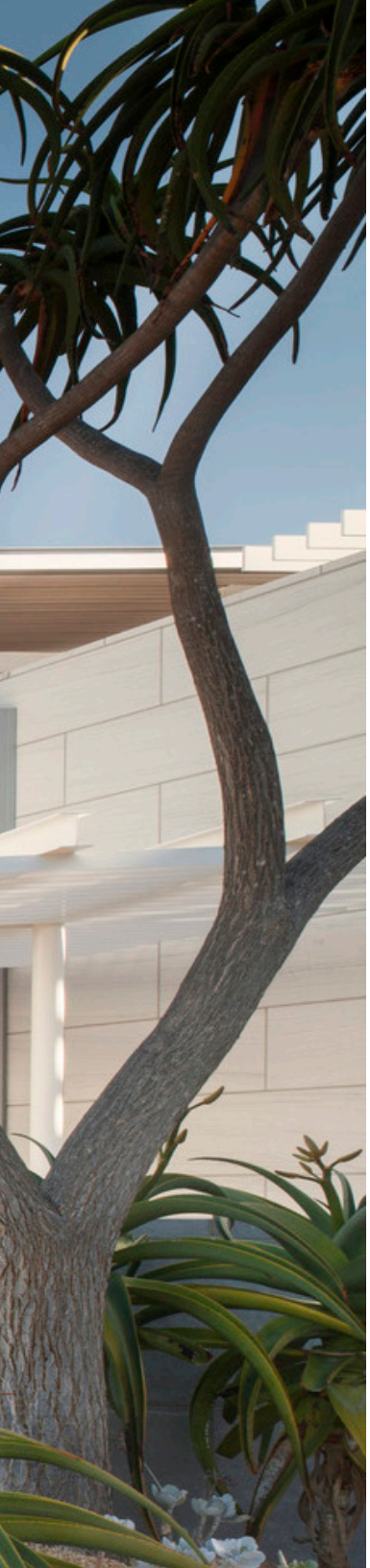

City of Newport Beach
Bohlin Cywinski Jackson
Architecture
Interior Design
Steve Chaitow | Principal in Charge
Greg Mottola | Design Principal
Eric Watson | Project Manager
Lena Shah | Project Designer
*Note: Matrix of subconsultant's total hours included in Fee Proposal
Consultants
Psomas
Civil Engineering
Robert J. Talafus | Principal in Charge
Matthew Heideman | Project Manager
Tom Pilarski | Surveying
Charles M. Salter Associates
Acousic/AV/TI
Dylan B. Mills | Audiovisuals Lead
Jeremy L. Decker | Acoustics Lead
Thornton Tomasetti
Structural Engineering
Bruce M. Gibbon | Principal in Charge
David S. Kirschenbaum | Project Manager
WSP
MEP/FP
Todd See | Project Director
Ahmad Sinno | Project Manager
Matthew Flannery | Lead Mechanical Engineer
Michael Shewchuk | Lead Electrical Engineer
Arthur Morrissey | Lead Plumbing Engineer
Einwiller Kuehl
Landscape Architecture
Sarah Kuehl | Programming/Schematic Design/Design Development Lead
Liz Einwiller | Construction Document and Field Lead
Francis Krahe Associates
Lighting Design
Francis J. Krahe | Principal in Charge
Jason Grandpre | Senior Construction Manager
C.P. O'Halloran Associates
Cost Estimating
Ciaran P. O'Halloran | Principal Estimator, Project Manager
The Preview Group
Accessibility & Fire/Life Safety
Steven Winkel | Project Manager
Associated Soils Engineering, Inc.
Geotechnical Engineer
Edward (Ted) Riddell | Principal Geologist
John R. Whitney | Senior Project Geologist
Lawrence J.D. Chang | Senior Engineer
Gary L. Martin | Project Engineer
Donald Zike | Laboratory Manager

Project Team

The new Library Lecture Hall building will require inspired, site-sensitive, and budget-driven design, an approach well supported by our assembled team. Our commitment, follow through, and collaborative relationships have produced projects of exceptional quality and value. This project will be led by a team who capitalizes on the experience and talents of people who are intimately familiar with your project's site and existing buildings as well as your community.

As Principal in Charge, **Steve Chaitow, AIA**, will facilitate overall management of the project and ensure delivery is in accordance with the agreement with the City. Working closely with Steve will be Design Principal **Greg Mottola, FAIA**, who will lead the design effort with the Bohlin Cywinski Jackson team and key consultants. Greg and Steve will be available for all major project meetings with the City, the Library Lecture Hall Design Committee, from Schematic Design through Construction, including design Presentations, the two proposed community informational meetings with the public and the two meetings with the City Council. Our Project Manager, **Eric Watson, RA**, will serve as the prime point of contact on a daily basis and be the conduit for communications between the design team and the City's project team. As Project Designer, **Lena Shah** will assist Eric in the project design and program refinement. With her background in both architecture and interiors, she brings an ability to harmonize the two for highly-refined and functional spaces. This core group will be dedicated to the project from beginning to end and augmented as needed to meet project demands with other staff members from our office of 45 people.

The success of this project will rely upon the collective experience and specialized skills of our broader design team of engineers and consultants. Our proposed team for the Library Lecture Hall building will include a similar group of consultants that worked on the Newport Beach Civic Center and Library Addition: Charles M. Salter Associates; Einwiller Kuehl (Sarah Kuehl and Liz Einwiller previously with PWP Landscape Architecture); and C.P. O'Halloran Associates. Our previous collaboration with you led to successful Civic Center, Park and Library Addition that created a real civic heart for you community through an engaging process. We truly enjoyed your community's commitment to and passion for that project, together we created a great place. We are excited by the idea of working together with you to create another signature project for the City of Newport Beach.



Bohlin Cywinski Jackson

For those looking to collaborate in designing buildings that enrich the well-being and performance of its inhabitants, Bohlin Cywinski Jackson is an architecture firm specializing in designing places for people that **inspire connection and wonder.**

Our firm, founded in Northeastern Pennsylvania in 1965, has offices in Wilkes-Barre, Pittsburgh, Philadelphia, Seattle, San Francisco, and New York. We are noted for elegant, humane, and sustainable design, ranging from modest houses to academic and cultural buildings to corporate headquarters and workplaces.

We challenge ourselves by designing at a variety of scales and contexts, which allows us to approach each project with a fresh perspective and to avoid relying on a formula for design. As problem-solvers, we strive to find solutions through in-depth research and analysis of each project's unique human, technical, and economic conditions.

Our firm's 15 principals and staff of 185 practice architecture and offer a broad range of related services. Our breadth and depth of skills and experience enable us to address an array of challenges—difficult sites, demanding budgets, time constraints, unusual technological requirements, and the integration of new architecture within existing buildings and contexts.

Bohlin Cywinski Jackson has received hundreds of regional, national and international design awards, including four AIA Committee on the Environment (COTE) Top Ten Green Projects. We are the recipients of the American Institute of Architects Architecture Firm Award, the most prestigious honor bestowed upon an architectural practice by the Institute. Our founding principal, Peter Bohlin, was awarded the Gold Medal by the American Institute of Architects, the highest honor an individual American architect can receive.

Steven Chaitow, AIA, LEED AP BD+C

Principal in Charge

Steve Chaitow is a principal in the San Francisco office of Bohlin Cywinski Jackson. With his collaborative, inclusive style, he has worked with owners, design teams and contractors on many award-winning civic, university and commercial projects, creating memorable places that simultaneously inspire and meet the client's core needs.

He holds a central role in guiding our ongoing research and development of new materials and technologies, particularly to advance sustainable design. Steve also leads our robust professional development programs, focusing on opportunities to enhance individual growth and to deepen our strengths in design, research and technology.

A graduate of Carnegie Mellon University, Steve joined Bohlin Cywinski Jackson in 1997, working in the Pittsburgh office prior to relocating to San Francisco in 2004.

EDUCATION

Carnegie Mellon University
Bachelor of Architecture

REGISTRATIONS

Architecture: MA, PA, AZ

TEACHING

Boston Architectural Center
Professor

California College of the Arts
Design Critic

Harvard University
Design Critic

Carnegie Mellon University
Design Critic

Rhode Island School of Design
Design Critic

AFFILIATIONS

American Institute of Architects

AIA California

AIA San Francisco

SCUP

USGBC

YEARS EXPERIENCE

26 in the industry

20 with the firm

PROJECT EXPERIENCE

Newport Beach Civic Center and Park
Newport Beach, California

East Liberty Kelly Strayhorne Theater
Pittsburgh, Pennsylvania

Arizona State University @ Mesa City Center
Digital Media and Film Center

Stanford University
Graduate School of Business

University of California, Santa Cruz
Digital Arts Research Center

University of California, San Diego
Natural Sciences Building

University of Washington
Ocean Sciences Building

101 California Street Lobby Renovation
San Francisco, California

595 Market Street Lobby Renovation
San Francisco, California

ABB Regional Sales Office
Pittsburgh, Pennsylvania

Arup Offices
San Franisco, California

Computerm Corporate Headquarters
Pittsburgh, Pennsylvania

Corning Museum of Glass Rakow Library
Corning, New York

Promega Biosciences, Inc.
San Luis Obispo, California

Gregory R. Mottola, FAIA, MRAIC

Principal for Design

Greg is an award-winning architect with a remarkable and diverse body of work that includes workplace, retail, civic, hospitality, and academic buildings. This is exemplified in his work for technology companies that include Adobe, Square, and Twitter, as well as civic projects such as the Newport Beach Civic Center and Park. In addition, Greg leads the design for a variety of extraordinary private residences—ranging from modest remodels in Northern California; to custom homes in established urban neighborhoods and suburban communities; to mountain retreats on remote sites in Utah and Lake Tahoe.

He is keenly interested in the tectonics of building and how Modernism is shaped by the specific circumstances of place to create memorable, emotionally powerful architecture. For over 25 years, Greg has designed buildings that extend and enhance the firm's extraordinary reputation for sensitivity to landscape, innovative use of material, the craft of building, and embracing technology in response to circumstance. His work has been published widely in books, periodicals, and the digital media.

EDUCATION

Carnegie Mellon University

Bachelor of Architecture

REGISTRATIONS

Architecture: CA, PA, NJ, MN, IL, BC, AA

JURIES

AIA California Council Housing Awards, Juror

AIA Cleveland Chapter Design Awards, Chair

ASID Cleveland Chapter Design Awards, Juror

RBT Student Light Fixture Design, Juror

AIA SF Fellowship Nominating Committee

AFFILIATIONS

American Institute of Architects

AIA College of Fellows

AIA California

AIA San Francisco

Architectural Institute of British Columbia

NCARB

Society of College and University Planners

SPUR Member

YEARS EXPERIENCE

28 in the industry

28 with the firm

PROJECT EXPERIENCE

Newport Beach Civic Center and Park
Newport Beach, California

University of California, Los Angeles,
Luskin Conference and Guest Center

Mills College, Lorry I. Lokey Graduate School of Business

Trinity College, Admissions Building

University of Washington,
Ocean Sciences Building

Carnegie Mellon University
- ANSYS Hall
- TCS Hall
- Intelligent Workplace
- Research Institute

Dominican University
- Campus Planning
- Alemany Library

Square, Inc. Headquarters
San Francisco, California

KKR Asset Management
San Francisco, California

Twitter, Inc. Headquarters
San Francisco, California

Kaiser Family Foundation
San Francisco, California

Blue Bottle Coffee
Various California locations

Everlane Stores
Multiple Locations

101 California Street Lobby Renovation
San Francisco, California

Harris Theater
Pittsburgh, Pennsylvania

Senator John Heinz History Center
Pittsburgh, Pennsylvania

Eric Watson, AIA, LEED AP BD+C

Project Manager

Eric brings experience from concept design through construction on a diverse, international body of work spanning multiple typologies and scales; from retail, residential, civic, higher-ed, corporate, governmental, and masterplanning.

Eric draws on his multi-disciplinary background and various creative disciples for inspiration and unique design solutions which enhance our sense of place, identity, and relationship to others through the physical environment. He believes in a process-driven design approach rooted in site-specificity, collaboration, and rigorous refinement of ideas to produce a project which is architecturally, socially, intellectually, and experientially engaging.

Eric joined the San Francisco office in 2015 and became an Associate in 2018.

EDUCATION

University of Colorado
Masters of Architecture
Masters of Urban Planning
Masters of Urban Design

Syracuse University
Bachelor of Arts

REGISTRATIONS

Architecture: CO

AFFILIATIONS

NCARB

USGBC

YEARS EXPERIENCE

9 in the industry

3 with the firm

PROJECT EXPERIENCE

University of California, Davis
California Hall

101 California Street Lobby Renovation, San Francisco, California

Apple Store, Broadway Plaza
Walnut Creek

Apple Store, World Trade Center
New York

Expedia, Inc. Headquarters, Seattle

8th and Lincoln Apartments (Denver)*

DigitalGlobe Corporate Headquarters *

Erbil Towers *

Erbil Masterplan *

Golden Civic Study *

Greensburg Green Neighborhoods *

Highlands Square Apartments *

National Renewable Energy Laboratory

Entry Building *

Pepsi Center Residential *

Provo, Utah Townhomes

LBNL (Lawrence Berkeley National Labs) Computational Research and Theory Facility *

Torrance Transit Center *

*work completed with another firm

Lena Shah, IIDA, NCIDQ

Designer

Lena Shah joined the San Francisco office in 2011 and has more than 12 years of experience in architecture and interiors. Her project experience ranges from small to large scale commercial, educational, residential, and civic projects. Lena is involved from the earliest stages of programming to overseeing the final details in construction administration.

Lena was an essential member of the design team the Newport Beach Civic Center, and was involved with the development of the architecture, interiors and FF+E. For both KKR's and Square's Headquarters, Lena developed full contractual documents to ensure final build out represented the firm's design aspirations. She also coordinated mechanical and building systems needs, current codes, and ADA requirements.

Lena's educational and professional experience gives her an exceptional ability to resolve complex technical and design issues, in the service of exceptional projects that are responsive to a client's needs.

EDUCATION

Massachusetts Institute of Technology
Master of Architecture

University of Florida
Bachelor of Architectural Design

REGISTRATIONS

NCIDQ

AFFILIATIONS

IIDA

YEARS EXPERIENCE

9 in the industry

7 with the firm

PROJECT EXPERIENCE

Newport Beach Civic Center and Park
Newport Beach, California

CBRE Offices
San Francisco, California

KKR Asset Management
San Francisco, California

Square, Inc. Headquarters
San Francisco, California

Twitter, Inc. Headquarters
San Francisco , California

1 Rockefeller Center, New York*

430 Park Avenue, New York*

Clovis Memorial District Conference Center*

General Motors Building, New York*

SFMOMA Sculptural Garden*
San Francisco, California

UC Berkeley Ragatta Museum Collections Facility*

*work completed with a another firm

Matthew Heideman, PE, QSD/QSP, ENV SP

Project Manager

PSOMAS

REGISTRATION

1996/CA/Professional Engineer/Civil/#55639

EDUCATION

1993/BS/Civil Engineering/University of California, Irvine

CERTIFICATIONS

Qualified SWPPP Developer/California Stormwater Quality Association

Qualified SWPPP Practitioner/California Stormwater Quality Association

Envision Sustainability Professional/Institute for Sustainable Infrastructure

EXPERIENCE

With Psomas: 22 years/With Other Firms for: 4 years

Matt has 26 years of experience in all aspects of land development engineering. He has worked on residential, commercial, and industrial projects located throughout Southern California, and has managed the design of mass grading, precise grading, storm drain, sewer, water, reclaimed water, widening of existing streets and highways, new street improvements, parking lots, street lighting, retaining walls, box culverts and vesting tentative tract maps for projects ranging from 10 acres to over 1,000. Matt specializes in large residential, commercial, or industrial master plan developments. This background affords him keen insight into the entire land development process -- from infrastructure and improvements of existing facilities to site development.

Experience

15th Street/Balboa Boulevard Revitalization, Newport Beach, CA: Project Manager for developing a plan for reconstruction of 15th Street from West Oceanfront to Newport Bay. The project's scope included a new signalized intersection at Balboa Boulevard, reconfiguration of street parking, realignment of the bike trail along West Oceanfront to accommodate a vehicular turnaround, and additional landscaping.

Lake Forest Sports Park, Lake Forest, CA: Project Manager for providing civil engineering services from preliminary design and mapping to final plans, specifications, and construction support. The project drains directly to Glass Creek and includes the design of a 1.9 acre environmental mitigation area in order to comply with Fish and Game, Army Corps and Regional Water Quality Control Board permit requirements. Psomas prepared value engineering analysis and met with the City and design team to refine the plans and specifications to minimize the estimated cost of the project prior to soliciting bids from contractors. Psomas also worked closely with the City's construction manager and inspector prior to bid to ensure the plans and specifications were clear and concise to minimize RFI's and change orders from the contractors.

520 Newport Center Drive, Irvine, CA: Project Manager for design services for a new 19-story office building constructed next to The Irvine Company's existing Newport Center headquarters. The building is 300,000 SF.

200 Spectrum Center Drive, Irvine, CA: Project Manager for civil engineering services for the 200 Spectrum Center Drive office building project, owned by The Irvine Company and under contract with the Architect, Pei Cobb Freed & Partners LLP. The project includes a new 323-foot tall, 450,000 SF building, including a 23-foot tall entry lobby, multiple office floors and a mechanical penthouse level, and approximately 1,460 spaces provided in a single 6-level parking garage.

Lake Forest City Hall Preliminary Grading and Drainage Studies, Lake Forest, CA: Project Manager for grading and drainage studies of the proposed City Hall site. The studies were performed in order to determine the boundary for the proposed site and assist in developing the site plan with the City, water district and developer. Exhibits were prepared showing the site boundary and the impacts of the proposed grading to the adjacent Serrano Creek. Services included assisting the team in defining the parcel that would be dedicated to the City of Lake Forest for the City Hall site.

Robert J. Talafus, PE, QSD, ENV SP

Principal-in-Charge

PSOMAS

REGISTRATION

1984/CA/Professional Engineer/Civil/#38832

EDUCATION

1984/Coursework/Civil Engineering/California State Polytechnic University, Pomona

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Qualified SWPPP Developer/California Stormwater Quality Association

EXPERIENCE

With Psomas: 14 years/With Other Firms for: 24 years

Bob has 38 years of experience on both public and private projects. He has served as Principal-in-Charge and Project Manager on land development and public works projects, and has been responsible for providing client contact and interaction, maintaining liaison with team consultants, managing projects, supervising design staff, maintaining quality control, and processing plans through governmental agencies.

As a veteran of the Orange County EMA (now OC Public Works), Bob has extensive civil engineering background encompassing his many years of experience with an emphasis in site design, flood control facility plans, street design, and grading and drainage improvements. Bob has managed residential, parks and recreation trails, hospital, commercial and industrial, and public works projects through planning, entitlements, design, and construction administration. His responsibilities have included staffing, budgeting, proposal preparation, contract negotiation and execution, marketing and administrative matters, preparation and supervision of preparing feasibility studies, preliminary reports, preparation of tentative maps, site plans, improvement plans, utility coordination, specifications, cost estimates, quality control, storm water pollution prevention plans, and ensuring design compliance with the most current regulatory requirements including ADA and Title 24 regulations.

Bob's project experience includes parks and recreation, public works, residential and commercial site design, site grading and paving design, roadway design, hydrology, storm drain design, water distribution systems, and sewer systems for numerous projects throughout Southern California.

Experience

15th Street/Balboa Boulevard Revitalization, Newport Beach, CA: Team Leader for developing a plan for reconstruction of 15th Street from West Oceanfront to Newport Bay. The project's scope included a new signalized intersection at Balboa Boulevard, reconfiguration of street parking, realignment of the bike trail along West Oceanfront to accommodate a vehicular turnaround, and additional landscaping.

Lake Forest Sports Park, Lake Forest, CA: Principal-in-Charge for providing civil engineering services from preliminary design and mapping to final plans, specifications, and construction support. The project drains directly to Glass Creek and includes the design of a 1.9 acre environmental mitigation area in order to comply with Fish and Game, Army Corps and Regional Water Quality Control Board permit requirements. Psomas prepared value engineering analysis and met with the City and design team to refine the plans and specifications to minimize the estimated cost of the project prior to soliciting bids from contractors. Psomas also worked closely with the City's construction manager and inspector prior to bid to ensure the plans and specifications were clear and concise to minimize RFI's and change orders from the contractors.

520 Newport Center Drive, Irvine, CA: Principal-in-Charge for design services for a new 19-story office building constructed next to The Irvine Company's existing Newport Center headquarters. The building is 300,000 SF.

Lake Forest Sports Park Preliminary and Final Grading and Drainage, Lake Forest, CA: Project Director for grading and drainage studies of the proposed sports park. Services included on-site road alignment, public water system design, storm drain design, water quality design, coordination with all utility purveyors, and coordinating landscape improvements. Final design included paving and utility plans; and sewer, water and storm drain plans.

Tom Pilarski, PLS

Surveying

PSOMAS

REGISTRATION

2010/CA/Professional Land Surveyor/#8732

EDUCATION

2008/Diploma/M.Div./Religious Studies/The Master's University/Santa Clarita

1990/BA/Political Science/University of California, Los Angeles

PROFESSIONAL AFFILIATIONS

California Land Surveyors Association

American Society of Civil Engineers

American Council of Engineering Companies

Utility Engineering and Surveying Institute

EXPERIENCE

With Psomas: 12 years/With Other Firms for: 13 years

Tom has 24 years of experience in surveying and mapping. He also has five years of experience in Title Engineering and Condominium Plan Compliance. He is currently responsible for the development of Records of Survey, rights-of-way mapping, tract and parcel maps, condominium plans, ALTA surveys and easement legal descriptions. Prior to his current responsibilities with Psomas, Mr. Pilarski was employed for five years with First American Title Company in Title Engineering and Condominium Plan Compliance. While with First American, Mr. Pilarski was responsible for conducting title searches and supported the Title Officers. He worked directly with multiple city and county agencies and the California Department of Transportation for the purpose of generating right-of-way deeds, director's deeds, and tieback reports.

Experience

Walt Disney Paving Projects, Glendale, CA: Project Surveyor for the Disney Paving project in Glendale. Survey services included topographic survey of approximately 10 sites for one complete survey. Survey software used was AutoCAD LDT.

City of Los Angeles, Complete Streets Program (TOS 38), Los Angeles, CA: Project Surveyor in support of HNTB for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements, and rehabilitation of 22 miles of roadway. Surveying services include developing a Design Survey Base Map that notes the centerline and resultant street rights-of-way of the various streets established from found monumentation along with mapping of the sidewalks. Mapping will include the location of all surface visible improvements, including driveway approaches. The street right-of-way will be based on Los Angeles County Assessor's Maps and/or underlying maps of record.

Raymond Avenue Grade Separation, Fullerton, CA: Project Surveyor for providing surveying, mapping, and record right-of-way services in support of developing plans, specifications and estimates for this grade separation of the BNSF San Bernardino Subdivision and Raymond Avenue.

SR-91 Corridor Improvement, Corona, CA: Project Surveyor for surveying and mapping services on Riverside County Transportation Commission (RCTC)'s SR-91 Corridor Improvement Project. The project constructed two tolled express lanes and a general purpose lane from the Orange County line to I-15, and a general purpose lane to Pierce Street. Services included boundary analysis for right-of-way, easement acquisitions overseeing land net resolutions, preparation of site-specific safety plans and traffic safety and control plans, legal descriptions and plats, and appraisal exhibit preparation. Deliverables were prepared in MicroStation using InRoads for calculations and closures.

The Old Road and Rye Canyon Road, Los Angeles County and Santa Clarita, CA: Project Surveyor for preparing surveys for the widening of The Old Road and Rye Canyon Road. Services included surveying 7,000 LF of existing roadway for use by the project engineering teams. These surveys employed design and right-of-way surveys, digital terrain modeling, and center line monumentation of those roads. After undergoing quality assurance and control processes, the survey team delivered the mapping product in AutoCAD format, as well as in XML format for importing into MicroStation software.

15th Street/Balboa Boulevard Revitalization

Newport Beach, CA

CLIENT/OWNER

City of Newport Beach

The City of Newport Beach retained Psomas to develop a plan for reconstruction of 15th Street from West Oceanfront to Newport Bay. The project's scope included a new signalized intersection at Balboa Boulevard, reconfiguration of street parking, realignment of the bike trail along West Oceanfront to accommodate a vehicular turnaround, and additional landscaping.

The project's intent was to increase or, at least, maintain the current level of available parking; replace existing parking meters with a parking pay station system; provide parking stalls meeting ADA code requirements on each side of Balboa Boulevard; install decorative LED lighting that blends with the surrounding environment and adjacent improvement projects; treat storm runoff to meet NPDES permit requirements; landscape using non-invasive plants, and that considers the placement and selection of trees to minimize any impact to homeowners' views; and meet Coastal Commission requirements and the concerns of the Community.

Psomas provided surveying, civil engineering, and project management services for development of street improvements, drainage, utilities, water quality and horizontal control of the project.

520 Newport Center Drive

Newport Beach, CA

CLIENT

Pei Cobb Freed & Partners Architects LLP

OWNER

Irvine Company, LLC

The 520 Newport Center Drive Building Program includes a new 315-foot tall building with one basement level below, 20 office floors and a mechanical penthouse level, 350,000 +/- gross square feet, 18,000 SF floor plate, approximately 1,900 spaces provided in two parking garages with five above-grade levels, and a one story 9,700 SF service yard. The site area is approximately 15 acres with office and parking facility components. It is anticipated that the building will be certified as LEED Silver, in part due to the onsite water quality treatment system including an underground infiltration chamber designed by Psomas to treat the site runoff. The site improvements were completely redesigned with the exception of the two existing buildings (500 and 550 NCD) and their frontage along Newport Center Drive. The surface parking lot and annex buildings were demolished and replaced with all new site improvements to serve the two new parking structures and tower, including new parking lots, private drives, storm drain, sewer, water, electrical, gas and telecommunication lines. The project included improvements and extension of the City of Newport Beach public storm drain in San Nicolas Drive. Psomas worked with the Public Works department to ensure the project honored the street moratoriums that were in place at the time and provided alternative solutions prior to submitting the plans in order to expedite the approval process. The on-site water system was designed as a public main that looped through the site to provide on-site fire flow service. Psomas worked with the City Fire Department to provide the necessary vehicular access and fire hydrant coverage. Psomas also worked with City staff to provide ADA access throughout the site for existing and proposed buildings that met the latest code requirements and to obtain permits for each phase of construction.

Lake Forest Sports Park

Lake Forest, CA

CLIENT/OWNER

City of Lake Forest

The Lake Forest Sports Park encompasses approximately 86 gross acres located southwest of the intersection of Portola Parkway and El Toro Road and south of SR-241. The project site includes the 58.6-acre Glass Creek property received from the County, of which 38 acres have been designated for active use and 20.6 acres have been placed in a passive use easement. The remaining 28 acres were acquired from private land owners. Amenities for the Sports Park include lighted ball fields, synthetic and natural turf soccer fields, multi-use fields, two restrooms/concession stand buildings, basketball/hard courts, three tot lots, trail connections, parking facilities, and the development of a 30,000 SF recreation center. Psomas provided civil engineering services from preliminary design and mapping to final plans, specifications and construction support. The project drains directly to Glass Creek and includes the design of a 1.9 acre environmental mitigation area in order to comply with Fish and Game, Army Corps and Regional Water Quality Control Board permit requirements. The project is still under construction and is expected to be completed on time and within the estimated budget. Psomas prepared value engineering analysis and met with the City and design team to refine the plans and specifications to minimize the estimated cost of the project prior to soliciting bids from contractors. Psomas also worked closely with the City's construction manager and inspector prior to bid to ensure the plans and specifications were clear and concise to minimize RFI's and change orders from the contractors. Construction bids came in under the estimated engineer's budget and construction is expected to remain under budget upon completion in November 2014.

Dylan B. Mills, CTS
Vice President

Mr. Mills has been an audiovisual consultant with Charles M. Salter Associates, Inc. since 2006. His areas of expertise include audiovisual system design for live sound reinforcement, location and studio recording, commercial facilities, high-end home theaters, and video production facilities. He has consulting experience with libraries, educational facilities, offices, multi-media studios, performance venues, community spaces, housing, and mixed-use projects.

education

University of California, San Diego,
BS Psychology

professional affiliations

Allied Member of AIA San Francisco

project experience

- Newport Beach Civic Center, Newport Beach, CA
- El Gabilan Branch Library, Salinas, CA
- Northside Branch Library, Santa Clara, CA
- Educational Park Library, San Jose, CA
- Bascom Library and Community Center, San Jose, CA
- Seventrees Library and Community Center, San Jose, CA
- Bayview Library, San Francisco, CA
- San Diego Main Library, San Diego, CA
- UC Berkeley East Asian Library, Berkeley, CA
- Santa Rosa Junior College Petaluma Library, Petaluma, CA
- Mendocino College Library and Learning Resource Center, Ukiah, CA
- Napa Valley College Library, Napa, CA
- Salt Lake Community College Center for New Media, Salt Lake City, UT
- UC Santa Cruz Digital Arts Research Center, Santa Cruz, CA
- Evergreen Valley Community College Boardroom, San Jose, CA
- Edenvale Community Center, San Jose, CA
- Brisbane City Hall, Brisbane, CA
- Santa Rosa City Council Chambers, Santa Rosa, CA
- Brower Center, Berkeley, CA
- Asian Art Museum Samsung Hall, San Francisco, CA

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Charles M. Salter
ASSOCIATES INC.

Jeremy L. Decker, PE
Vice President

education
California Polytechnic State University, San Luis Obispo
BS Mechanical Engineering

professional registration
California: M.E. No. 34231

professional affiliations
Allied Member of AIA San Francisco
Acoustical Society of America
Institute of Noise Control Engineering

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Mr. Decker has been an acoustical consultant with Charles M. Salter Associates, Inc. since 2005. His areas of expertise include environmental noise studies, architectural noise control, room acoustics, mechanical system noise and vibration reduction, and vibration analyses. He has consulting experience with civic spaces, offices, educational facilities, multi-family housing, and mixed-use/retail projects.

project experience
- Newport Beach Civic Center, Newport Beach, CA
- Pleasant Hill Library, Pleasant Hill, CA
- Dominican University Alemany Library Renovation, San Rafael, CA
- Emeryville Center of Community Life, Emeryville, CA
- Chinatown YMCA, San Francisco, CA
- Jewish Community Center, Pleasanton, CA
- Richmond Civic Center, Richmond, CA
- Emeryville City Hall, Emeryville, CA
- Redwood City City Hall, Redwood City, CA
- Salvation Army Turk Street Community Center, San Francisco, CA
- Redding School of the Arts Theater, Redding, CA
- UC Davis Lecture Hall, Davis, CA
- UC Davis Shrem Art Museum Presentation Room, Davis, CA
- UC Berkeley Jacobs Center, Berkeley, CA
- USF Center for Science and Innovation, San Francisco, CA
- Cal Poly Pomona Rec Center, Pomona, CA
- Agilent HQ Auditorium, Palo Alto, CA
- Gilead Sciences Auditorium, Foster City, CA
- NetApp Executive Briefing Center, Sunnyvale, CA
- Oakland Convention Center Renovation, Oakland, CA
- 50 United Nations Plaza, San Francisco, CAJKK Federal Building, Honolulu, HI
- Edith Green-Wendell Wyatt Federal Building, Portland, OR
- Walt Disney Family Museum, San Francisco, CA

Charles M. Salter ASSOCIATES INC.

SELECTED RELEVANT EXPERIENCE

NEWPORT BEACH CIVIC CENTER NEWPORT BEACH, CA
Bohlin Cywinski Jackson, San Francisco, CA

City Hall and Library expansion comprises of the following acoustical services: environmental noise insulation, HVAC noise and vibration reduction, MEP noise mitigation for compliance with Noise Ordinance, interior sound insulation, and room acoustics/interior finishes.

DOMINICAN UNIVERSITY ALEMANY LIBRARY RENOVATION SAN RAFAEL, CA
Bohlin Cywinski Jackson, San Francisco, CA

Provided acoustical and audiovisual consulting services for a renovation of the existing library at the Dominican University. The scope included new open-plan areas, offices, meeting rooms, and seminar rooms.

UC DAVIS LECTURE HALL DAVIS, CA
Bohlin Cywinski Jackson, San Francisco, CA

Provided acoustical consulting services for a new 550-600-seat lecture hall for UC Davis. The project was designed to meet the LEED Gold rating. Acoustical issues included room acoustics, exterior noise insulation, sound isolation between the lecture hall and support spaces, and building systems noise and vibration reduction.

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EL GABILAN BRANCH LIBRARY SALINAS, CA
Anderson Brule Architects, San Jose, CA

Acoustics, audiovisual, telecommunications, and security consulting for a 20,000 square foot public branch library in Salinas.

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NEWARK CIVIC CENTER NEWARK, CA
Heller Manus Architects, San Francisco, CA

Acoustics, audiovisual, telecommunications, and security design services for a new civic center campus that includes a city administration building, library and police station.

Charles M. Salter ASSOCIATES INC.

MOFFITT LIBRARY F4 AND F5 RENOVATION BERKELEY, CA
Gensler, San Francisco, CA

Our services include acoustics, audiovisual, telecommunications, security, network engineering, and wireless design and consulting. The project consists of the tenant improvement portion of the renovation of two floors of the library. The two floors combine for approximately 36,000 square feet. There will be many study rooms, some presentation practice rooms, and some classroom. WiFi will be provided throughout the space. There will be video display boards and video-conferencing rooms. Emergency DAS design is included. Security systems will include cameras, locks, and entry sensors. All technology needs to meet campus standards and tie into the overall building systems.

MOFFIT LIBRARY F1 TO F3 RENOVATIONS BERKELEY, CA
BNIM Architects, San Diego, CA

Our services include acoustics, audiovisual, telecommunications, and security design and consulting for this tenant improvement renovation of three floors of the library. Level 3 might have 24/7 use (while Levels 1 and 2 will be separate). The three floors combine for approximately 100,000 square feet and include the following spaces: Multimedia classrooms, Maker space rooms, Multi-use conference rooms, Cafe, "Entry-level" introductory media editing and VR spaces. The classrooms will include some permanent projection systems and there will be portable projection in a few other rooms.

CHABOT COLLEGE BUILDING 100, NEW LIBRARY AND LEARNING CONNECTIONS PROJECT HAYWARD, CA
Group 4 Architecture, Research + Planning, South San Francisco, CA

Our services include acoustics, audiovisual, telecommunications, and security design and consulting. The proposed building will be a center for student collaboration and learning that will house standard library resources, such as study and reading spaces, but also will include a 2,000 square foot meeting/event space, flexible collaboration areas, program spaces for ESL and the Writing and Reading Across the Curriculum program (WRAC), and IT/computer training space

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Charles M. Salter ASSOCIATES INC.

HELMS COMMUNITY CENTER SAN PABLO, CA
Noll & Tam Architects, Berkeley, CA

Telecommunications, security, and audiovisual consulting for a new 10,500 square foot community center adjacent to Helms Middle School. The project includes a large multi-purpose space with a kitchen, two smaller meeting/class rooms, a teen lounge, a computer room, and a fitness room. Designed to achieve LEED Silver certification.

PLEASANT HILL CITY HALL PLEASANT HILL, CA
Fisher Friedman Associates, San Francisco, CA

Complete acoustical and audio design for new city hall and council chambers. The audio system includes overhead-distributed loudspeaker system, audio source playback, audio archive system, and automatic speech mixing.

LOS ALTOS HILLS TOWN HALL LOS ALTOS, CA
Duxbury Architects, Los Altos, CA

Provided room acoustics, sound isolation, and HVAC noise and vibration reduction for a new town hall in Los Altos Hills. Designed and specified sound and audiovisual systems for the Los Altos Hills Community Center, which includes city offices, panel chambers, and conference rooms.

VACAVILLE CULTURAL CENTER VACAVILLE, CA
Spencer Associates, Palo Alto, CA

Room acoustics, sound isolation, HVAC noise, and sound system design for a 500-seat theater, a library, and community center.

BERKELEY CENTRAL LIBRARY BERKELEY, CA
Ripley Scoggin Architects, Napa, CA

Acoustical consulting and audiovisual programming for a new addition to the library and renovation of existing historical library. Work included a traffic noise impact study, renovation, seismic upgrade and addition. This project has won a 2003 California preservation foundation design award, 2002 Berkeley architectural heritage association award. 1931 Art Deco Landmark.

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Charles M. Salter
ASSOCIATES INC.

DUBLIN CIVIC CENTER LIBRARY PROJECT DUBLIN, CA
BSA Architects, San Francisco, CA

Acoustical consulting, including environmental noise study, room acoustics, sound isolation, mechanical equipment noise and vibration control.

EVERGREEN BRANCH LIBRARY SAN JOSE, CA (2003)
Studios Architecture, San Francisco, CA

Acoustical design recommendations, including sound insulation, room acoustics and ventilation system noise and vibration control for a new branch library. Audiovisual systems for Evergreen library selected rooms.

BLOSSOM HILL BRANCH LIBRARY SAN JOSE, CA (2001)
Field Paoli Architects, San Francisco, CA

Acoustical issues included: architectural: partitions, ceilings, room acoustics; mechanical: all mechanical equipment, plumbing, and electrical; vibration: for all mechanical equipment; and environmental issues: for the chiller

CUPERTINO LIBRARY CUPERTINO, CA (2004)
SMWM, San Francisco, CA

Acoustical design recommendations, including sound insulation, room acoustics and ventilation system noise and vibration for a new public library.

SAN JOSE CITY COLLEGE LIBRARY AND STUDENT SERVICES SAN JOSE, CA
tBP/Architecture, Concord, CA

Project scope included audiovisual system design and acoustical consulting services for the two-story, 53,000 square foot student services/career center and library.

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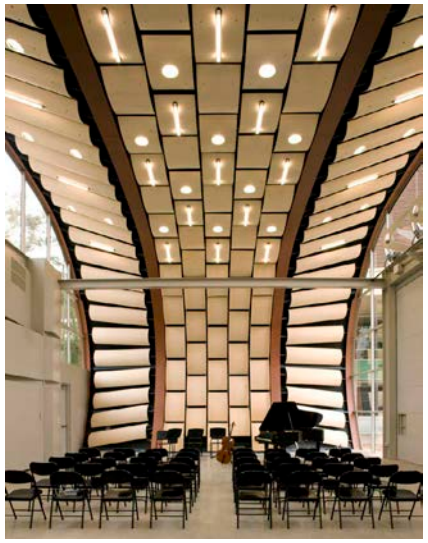
Why Thornton Tomasetti?

Thornton Tomasetti optimizes the design and performance of structures, materials and systems for projects of every size and level of complexity. Dating back to 1949, today we are an employee-owned organization of 1,500 engineers, scientists, architects and other professionals collaborating from offices worldwide supporting clients by drawing on the diverse expertise of our integrated practices. We are committed to be a sustainable and enduring organization and the global driver of innovation in our industry.

Our Practices

- Structural Engineering
- Renewal
- Façade Engineering
- Construction Engineering
- Sustainability
- Protective Design & Security
- Forensics
- Transportation
- Property Loss Consulting
- Applied Science



Tom Bonner Photography

California Institute of the Arts (CalArts), Wild Beast Pavilion, Valencia, CA

Benny Ch

Occidental College, Johnson Hall Renovation, McKinnon Center for Global Affairs, Eagle Rock, CA

Cultural and Civic Expertise

Soaring roof lines, daring façades, dramatic contours. Whether designed to move you through thought-provoking masterpieces or engulf you in a mesmerizing symphony, cultural and civic centers are created not just for a use but for a feeling. These centers seek to guide, inspire, educate and uplift guests in dramatic and provocative ways. Just as the mastery they hold, the possibilities are endless. We at Thornton Tomasetti fully embrace those possibilities with our innovative and open design approach to creating iconic, architecturally inspiring centerpieces that will enrich and transform communities and the world over. Here's how...

Thornton Tomasetti's ability to collaborate effectively with the institute personnel, patrons, architects, fellow engineers and contractors is demonstrated by our large number of successfully completed projects. We engineer complex structural systems that result in signature buildings and engaging community spaces. Our cultural and civic experience includes museums and museum installations, large-scale sculptures, performing arts centers, aquariums, libraries, community centers and monuments in both the private and public sector.

Thornton Tomasetti welcomes the opportunity to collaborate with owners, architects, developers and builders to achieve award-winning structures that embrace the shifting needs of institutions and the people they serve.

Local Presence

Our extensive experience with regional design practices and preferred construction methods has proven invaluable for producing innovative, cost-effective solutions that consistently meet or exceed client needs. Thornton Tomasetti has performed structural engineering services for more than 700 buildings in California in the past 10 years. With 150+ professional staff located in Los Angeles, San Diego, San Francisco and Santa Clara, Thornton Tomasetti is well positioned to respond to any project need in a timely and effective manner. Our strong portfolio of local work coupled with our immense experience with seismic analysis and design makes our firm best suited to address the unique conditions found in Orange County.

Occidental College, Johnson Hall Renovation, McKinnon Center for Global Affairs

Eagle Rock, California

Thornton Tomasetti provided structural engineering and façade consulting for the tenant improvements and adaptive reuse of Occidental College's Johnson Hall. Home to the newly established McKinnon Center for Global Affairs, the renovation preserves the building's historic exterior, while fundamentally rethinking the interior for modern-day teaching and learning using visual, networked, and participatory technology.

Thornton Tomasetti provided glass engineering and attachment details for the jewel of the new facility; a state-of-the-art interactive media wall that streams real-time information, while facilitating conversations with students around the globe.

Owner
Occidental College

Completion Date
2013

Architect
Belzberg Architects Group

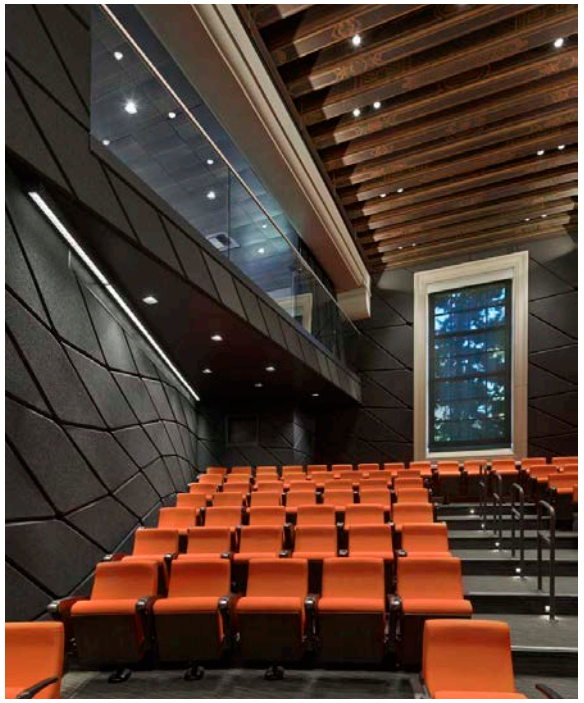
Total Area
29,500 sf

General Contractor
W.E. O'Neil Construction Company

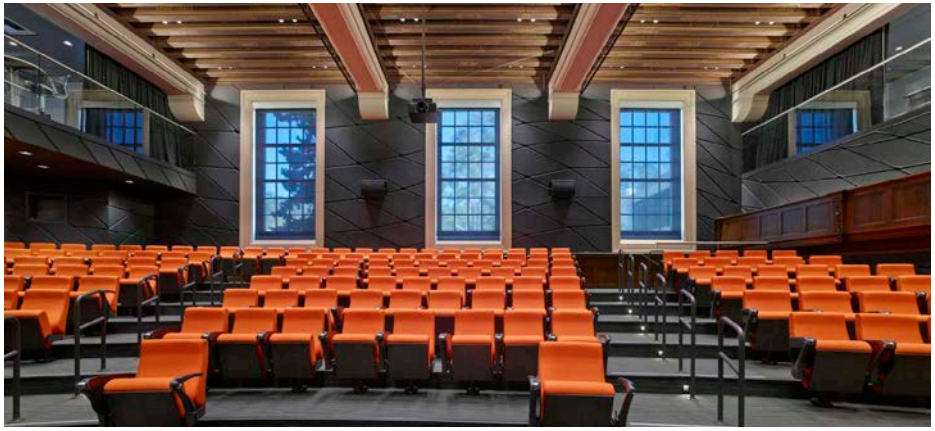
Services
Structural Engineering
Façade Engineering

Benny Chan

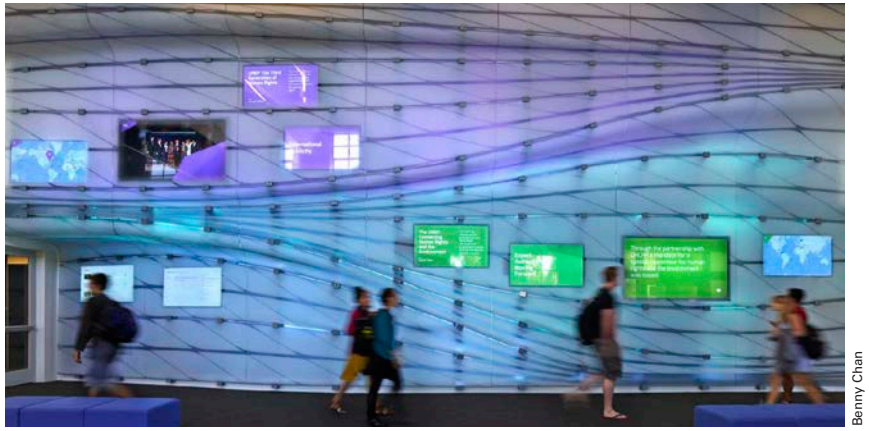
Benny Chan



Benny Chan



Benny Chan



Benny Chan

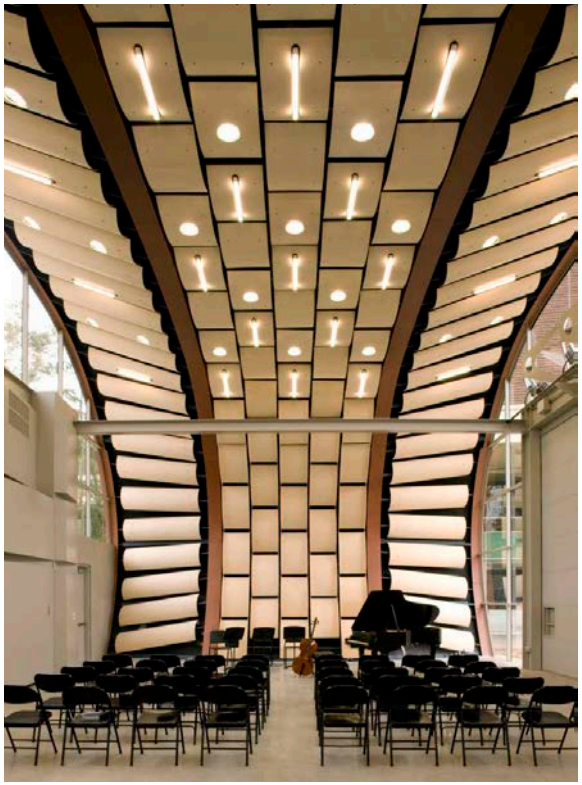
California Institute of the Arts (CalArts), Wild Beast Pavilion

Valencia, California

Tom Bonner Photography

Tom Bonner Photography

Hodgetts + Fung Design and Architecture



Tom Bonner Photography

Awards

- Merit Award for Architecture 2013 –American Institute of Architects California Council
- Outstanding Project Award 2010 – National Council of Structural Engineers Association
- National Certificate of Recognition 2010 – AISC IDEAS2 Innovative Design in Engineering and Architecture with Structural Steel

Thornton Tomasetti provided structural design services for a unique music pavilion on the CalArts campus. The 3,200-square-foot, single-story structure houses classroom / performance and storage areas and features 46-foot-wide hangar doors that open to transform the space into an amphitheater. The Wild Beast serves as a public fine arts theater for community members of Santa Clarita Valley offering year-round free concerts and providing public picnic space in the Mark Taper Foundation Courtyard.

The project required close collaboration with the architect to develop a special roof framing system that expresses the structural steel members and details, and allows the floating acoustical enclosure to have minimal thickness. Four parallel arched 14-foot-wide flange sections achieve a 60-foot roof span. Frame action is utilized where the roof is curved, transitioning to composite action where the roof flattens out. The pavilion's slender form is clearly legible in the structural steel members and their connections, which are expressed both inside and outside of the space.

In 2012, Flavorwire listed The Wild Beast as one of the world's most beautiful outdoor theaters alongside the Hollywood Bowl in Hollywood, California, and Cloud Tower in Vienna, Austria.

Owner
California Institute of the Arts (CalArts)

Architect
Hodgetts + Fung

General Contractor
HWI-Hinerfeld-Ward, Inc.

Completion Date
2009

Construction Cost
$2.5 million

Total Area
3,200 sf

Seating Capacity
Indoor: 100
Outdoor: 500

Services
Structural Engineering

Patrick Henry High School Arts, Media & Entertainment Center and Production Studios (PHAME) San Diego, California

Bess Adler / Thornton Tomasetti

Bess Adler / Thornton Tomasetti

Bess Adler / Thornton Tomasetti

Funded by Proposition S and Proposition Z, Patrick Henry High School received a complete campus revitalization that included the modernization of multiple structures, athletic facility improvements and a new performing arts theater and California Career Technical Education (CTE) building. Thornton Tomasetti provided structural engineering services for the project.

The award-winning, two-story performing arts theater provides 509 seats and the ability to host both musical and theatrical productions. The auditorium and adjacent CTE building roofs are framed with metal decks supported on steel wide flange beams and girders. The featured entry trussed canopy is formed via a wood-framed roof supported by architecturally shaped glulam trusses and supported vertically and laterally by steel wide-flange moment frames.

The building design currently exceeds the criteria of CHPS (Collaborative for High Performance Schools) and features LED lighting and the use of local and recycled materials.

Owner
San Diego Unified School District

Design Architect
PJHM Architects

Completion Date
2015

Construction Cost
$11 million

Total Area
Theater: 22,834 sf

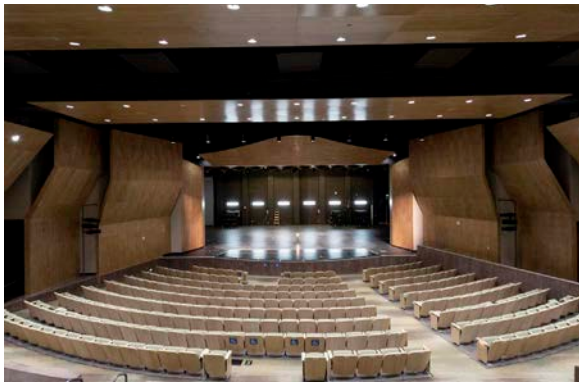
Certification
CHPS: 36 points

DSA Number
#04-112771

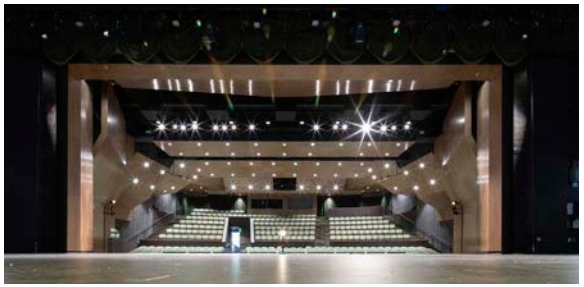
Services
Structural Engineering

Awards

- Members Choice Award 2013 – AIA Orange County



Bess Adler / Thornton Tomasetti



Bess Adler / Thornton Tomasetti

Bess Adler / Thornton Tomasetti

University of California, Los Angeles Evelyn and Mo Ostin Music Center

Los Angeles, California

The Ostin Music Center provides students of the Herbert Alpert School of Music with a state-of-the-art facility to record their work. The two-building project is integrated into the current music department and consists of a one-story recording studio and a three-story ensemble building housing offices, classrooms, a rehearsal studio, a café and student lounge areas. Thornton Tomasetti provided structural engineering services for both buildings.

Adjacent to the original 1955 Schoenberg Music Building, the recording studio features a masonry bearing wall and composite steel superstructure supported by a reinforced concrete grade beam and pile foundation system. The ensemble building consists of cast-in-place concrete gravity systems combined with special reinforced concrete and masonry shear wall lateral systems supported by concrete grade beams and piles. Both buildings include exterior steel-framed architectural screen walls and canopies for natural light control.

The music center is partially funded through a 10-million-dollar gift from famed music producer and Rock and Roll Hall of Fame inductee Morris "Mo" Ostin. The facility is named for Mr. Ostin and his late wife Evelyn.

Owner
University of California, Los Angeles

Client / Architect
Kevin Daly Architects

General Contractor
TOBO Construction

Completion Date
2014

Construction Cost
$20 million

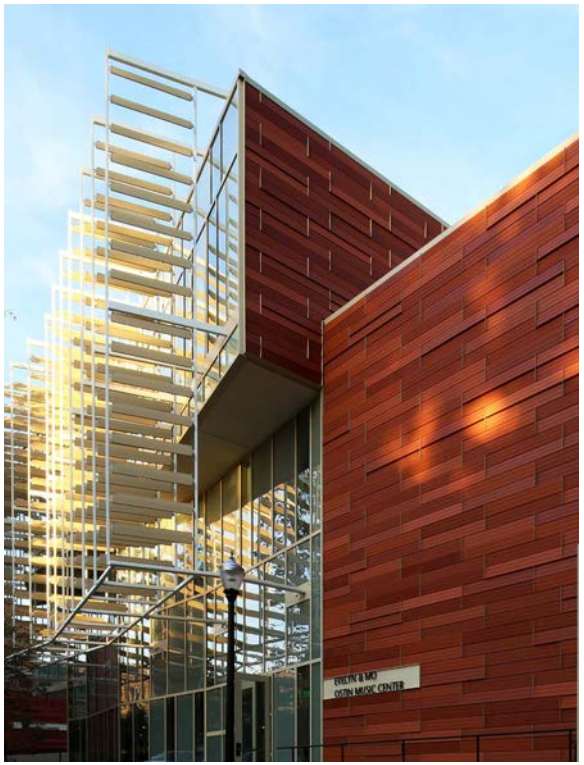
Total Area
20,000 gsf

Certification
LEED Gold

Services
Structural Engineering

Bess Adler / Thornton Tomasetti

Bess Adler / Thornton Tomasetti



Bess Adler / Thornton Tomasetti

UCLAAlpert / Wikicommons

Bess Adler / Thornton Tomasetti

Northwestern University, Patrick G. and Shirley W. Ryan Center for the Musical Arts Evanston, Illinois

Courtesy of Tom Rossiter

Courtesy of Tom Rossiter

Thornton Tomasetti provided structural engineering services for the design of a five-story academic building that houses Northwestern University's Music and Communication department which includes a 400-seat recital hall, a 140-seat choral rehearsal room, a 150-seat opera rehearsal room / black box theater, administrative offices, classrooms, practice rooms, music laboratory spaces and student support spaces. The building is certified LEED Gold.

The primary structural system is cast-in-place concrete, which was integrated into the acoustical design strategy as a key component for containing sound within the facility. To create the structure's multiple cantilevers, Thornton Tomasetti used multilevel post tensioning, sloped concrete columns and sloped concrete shear walls.

The building features a predominantly glass façade; a 70-foot-tall glass and steel atrium to serve as the main entrance and lobby area; and a 50-foot-high wall of cable-supported, double-skin glass in the recital hall. The use of glass throughout the facility required three unique pre-tensioned cable glass systems. To accommodate the aesthetic design intent of the atrium, Thornton Tomasetti used tube framing that integrated air supply systems, eliminating the need for mechanical ductwork.

Owner
Northwestern University

Client / Architect
Goettsch Partners

General Contractor
Power Construction

Completion Date
2015

Construction Cost
$117 million

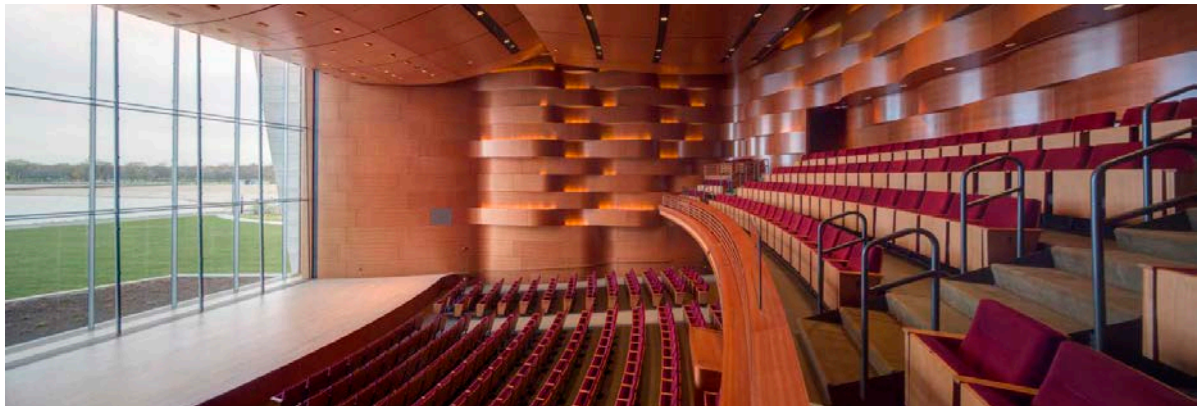
Total Area
150,000 sf

Certification
LEED Gold

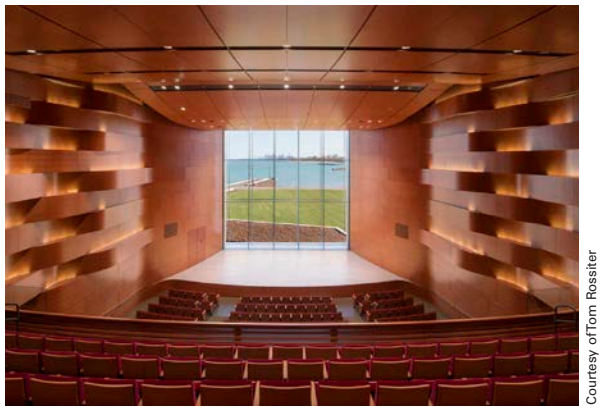
Services
Structural Engineering

Awards

- Design Award, New Construction 2017 – Design Evanston
- Best Project, $50 Million to $150 Million 2016 – SEAOI



Courtesy of Tom Rossiter



Courtesy of Tom Rossiter

Bruce M. Gibbons, P.E., S.E., CEng, LEED AP

Managing Principal

Project Role

Principal-in-Charge

Summary

Bruce Gibbons joined Thornton Tomasetti in 2004 to establish Thornton Tomasetti's Los Angeles office. He has more than 30 years of experience in the design, specification and construction of a wide variety of building structures. His expertise in complex and expressive structures spans a range of project types including performing arts, museums, sports, transit, aviation, commercial and educational.

Education

- M.S. (with Distinction), Concrete Structures, 1989, Imperial College of Science & Technology
- B.Eng. (First Class Honors), Civil and Structural Engineering, 1984, University of Sheffield

Registrations

- Licensed Structural Engineer in California (S4160)
- Licensed Professional Engineer in California (C52294)
- Chartered Structural Engineer, United Kingdom
- LEED Accredited Professional
- Certified DSA Structural Plan Reviewer

Professional Activities

- Member, Structural Engineers Association of Southern California (SEAOSC)
- Member, The Institution of Structural Engineers, United Kingdom
- Member, American Institute of Steel Construction (AISC)

Select Project Experience

California Institute of the Arts (CalArts), Wild Beast Pavilion, Valencia, CA. Structural design of an award-winning, 3,200-square-foot classroom and performance space. The unique design has a curved roof and 46-foot-wide hangar doors that open to enable the space to be used as an amphitheater.

ARIA Theater, Las Vegas, NV. Structural design of an award-winning, steel-framed, 165,000-gross-square-foot performing arts theater custom-built for Cirque du Soleil. The facility includes a 1,840-seat auditorium with balcony, a full flyloft with multiple catwalks, support spaces and a feature lobby.

Tempe Center for the Arts, Tempe, AZ.* Structural design of a performing arts center that includes a 600-seat theater; a flexible, 200-seat black box theater; a screening room; a 3,400-square-foot banquet room; a 3,500-square-foot art gallery; and a gift shop and café. The design clusters the three performance spaces as building blocks around a lobby plaza. A large folded-plate concrete roof buffers the performance spaces and plaza from the harsh desert climate and the noise from an adjacent airport.

** Denotes work performed with previous employer.*

University of California, Los Angeles, Evelyn and Mo Ostin Music Center, Los Angeles, CA. Structural engineering for two separate buildings totaling 20,000 square feet. The project consists of a single-story recording studio attached to the original 1955 Schoenberg Building and a three-story teaching block attached to a 1981 addition.

University of California, Santa Barbara, Humanities and Social Sciences Building, Santa Barbara, CA.* Structural design of a 100,000-square-foot building that houses dance studios, performance space, classroom lecture halls and administrative offices.

Southeast Missouri State University River Campus, School of Performing and Visual Arts, Cape Girardeau, MO.* Renovation of a historic campus building to house music practice rooms, a lecture hall, a choral music practice room and faculty offices. The project includes construction of an extension that will house a 1,000-seat theater, a 250-seat recital hall, a 250-seat experimental theater, an instrumental music room, dance studios and performance space.

Jesuit High School, Chapel of the North American Martyrs, Carmichael, CA. Structural engineering for a 10,000-square-foot, single-story chapel with seating for 300 students featuring architecturally exposed steel.

David S. Kirschenbaum, P.E., S.E., LEED AP

Vice President

Project Role

Project Manager

Summary

David Kirschenbaum has 20 years of design and construction administration experience encompassing a wide variety of new building and seismic retrofit projects. His areas of expertise include analysis, design and construction administration of steel, concrete and timber structures. David's experience includes the design of education, government and commercial facilities.

Education

- B.S., Civil Engineering, 1997, University of California, Davis

Registrations

- Licensed Structural Engineer in California (S4910)
- Licensed Civil Engineer in California (C62125)
- LEED Accredited Professional
- Registered California Emergency Management Agency Safety Assessment Program Evaluator (SAP ID # 10072)
- Certified DSA Structural Plan Reviewer (2012-present)

Professional Activities

- Member, Structural Engineers Association of Southern California (SEAOSC)

Select Project Experience

PYLUSD Performing Arts Center, Yorba Linda, CA. Structural engineering for a 17,900-square-foot performance facility. The performing arts center serves as the main concert venue for the District and features 600 audience seats, ticket booth, lobby, restrooms and changing rooms.

San Diego Unified School District, Patrick Henry High School Arts, Media & Entertainment Center and Production Studios (PHAME), San Diego, CA. Structural design of a two-story, 509-seat performing arts theater and adjacent California Career Technical Education (CTE) building. The 23,000-square-foot theater is shared by local, private and community college groups.

Jefferson Union High School District, Terra Nova High School, New Classroom Buildings and Theater, Pacifica, CA. Structural design of two 9,000-square-foot classroom buildings connected by a bridge and a 16,000-square-foot theater building on a sloped site. The theater building houses the main theater space, scene shop, dressing and green rooms and public restrooms.

Desert Community College District, College of the Desert, East Valley Campus, Indio Education Center, Indio, CA. Structural engineering for a LEED Silver, four-story, 40,000-square-foot educational facility housing classroom, lecture and dry laboratory space.

City of Santa Monica, Pico Branch Library, Santa Monica, CA. Structural design of a one-story 8,690-square-foot library and adjoining community room. The wood-framed structure features a dynamic roof structure with an overhang to provide shading for visitors. The library is LEED Platinum.

West Contra Costa Unified School District, El Cerrito High School, Performing Arts Center, El Cerrito, CA. Structural design of a performing arts center, part of a new campus project consisting of six large buildings, encompassing a total area of 192,000 square feet. The campus is designed around a courtyard with a large cornerstone building housing administration functions, the performing arts center and a library. Classrooms are housed in three-story structures separated into three wings to create smaller, more personal communities within the school. The project includes a gymnasium with ancillary spaces.

EINWILLERKUEHL
LANDSCAPEARCHITECTURE

LANDSCAPE ARCHITECTURE

Einwiller Kuehl Inc. (EK) is an award winning woman-owned Landscape Architecture firm based in Oakland, California. EK works on a broad range of project types and sizes and often collaborates with Bohlin Cywinski Jackson on both public and private environments. The founding partners of EK were instrumental in the realization of the complex and award winning landscape for the Newport Beach Civic Center. EK is currently working with Bohlin Cywinski Jackson(BCJ) on a public library for Pleasant Hill California as well as number of private homes.

Einwiller Kuehl has deep experience realizing built landscapes and our team brings that knowledge to the early stages of work and decision making about how to spend dollars to maximize value. Building landscape inspires our curiousity and a sense of pragmatic exploration that informs our designs. We often create interdisciplinary connections that result in innovation that can be built. In addition to strong creative muscles, the backbone of our process is clarity in communication. We know the ability to create things that don't exist often relies on inventing a shared language. We are expert at listening and creating opportunities, far more than approvals, that build stewardship of places over time.

Our firm has experience with site planning, community engagement, programming, physical design, water conservation, regulatory approvals, construction, and many other areas of landscape architecture that will be required for this project. We would be delighted to continue our work with BCJ and the City of Newport Beach on this important cornerstone for the Civic Center and Library.

Newport Beach Civic Center,
Newport Beach, CA

Sarah led the conceptual design and public process for a library expansion in conjunction with a large natural park developed in concert with a new City Hall. She is expert at crafting community goals into physical design. Liz led the construction documentation and provided critical leadership on complex soils, drainage, and planting challenges.

Civic Center Garden

Apple Campus: Courtyard Renovation

Jack London Square: Open Space Renovation and Program

"The ideas and designs put forth by Sarah were creative and thoughtful, yet consistent with the overall approach and tenor of our community. Sarah has a great way of communicating with the public – listening as well as educating – that assured everyone that we were in good hands and were going to have a noteworthy but practical end product."

-Dave Kiff, City Manager Newport Beach, CA

Sarah Kuehl, RLA #5903
LANDSCAPE ARCHITECT

Sarah Kuehl is a partner with over 21 years of experience. She has led numerous projects ranging in scale, budget, and design character, developing close partnerships with clients and bringing both design vision and project know-how to the realization of their projects. Sarah has extensive experience in integrating site systems aimed at achieving long-term site sustainability. She won the prestigious Rome Prize in Landscape Architecture in 2004.

Education
University of California, Berkeley
Master of Landscape Architecture, 1998

Harvard University
Bachelor of Arts in Social Studies, magna cum laude, 1993

Professional Experience
PWP Landscape Architecture, 1998-2011

Liz Einwiller, RLA #5871
LANDSCAPE ARCHITECT

Liz Einwiller is a partner with 25 years of experience working on a diverse range of project types including parks, campuses, museums, estates, roof gardens, urban streetscapes, and corporate and governmental renovations. She serves as a mentor and leader in the field of construction detailing.

Education
Rhode Island School of Design
Master of Landscape Architecture, 1994

University of Illinois, Urbana-Champaign
Bachelor of Science in Landscape Architecture, 1991

Professional Experience
PWP Landscape Architecture, 1999-2012
GLS 1997-1999
HOK 1994-1997

Lauren McClure
DESIGNER

Lauren McClure is a landscape designer with 7 years of experience. She brings her knowledge working for the City of San Francisco to public projects with a keen understanding of the multi-faceted needs of city departments and maintenance staff. She is commited to creating engaging intergenerational designs in public spaces and believes that the ability to play is an important component of urban life.

Education
Harvard University Graduate School of Design
Master of Landscape Architecture, 2012

University of California, Los Angeles
Bachelor of Arts in Geography/Environmental Studies, 2008.

Professional Experience
SanFrancsico Public Works 2016-2018
Miller Company 2015-2016
RHAA 2013-2015

PROJECT EXPERIENCE

Southern California Experience

For over 35 years, WSP has been serving California with over 1,500 completed projects including numerous in Southern California. From San Luis Obispo to San Diego, WSP has provided professional services for a range of public and private clients and a variety of sectors including higher education, government, commercial, residential and healthcare.

Some of our relevant projects include:

- UCSB Bren School of Environmental Science & Management Building, Santa Barbara, CA
- UCSB Davdison Library, Santa Barbara, CA
- UCSB Student Resource Bldg., Santa Barbara, CA
- UCSB Marine Sciences Institute, Santa Barbara, CA
- UCSD Natural Sciences Building, San Diego, CA
- UCSD The Village at Torrey Pines, San Diego, CA
- UCSD Conrad Prebys Music Center, La Jolla, CA
- UCSD Institute for Telecommunications and Information Technologies, San Diego, CA
- LA Biomed, Torrance, CA
- UCLA Teaching & Learning Center, Los Angeles, CA
- USC Michelson Center, Los Angeles, CA
- Caltech Bechtel Residences, Pasadena, CA
- Caltech Schlinger Laboratory, Pasadena, CA
- Oceanwide Plaza, Los Angeles, CA
- California Baptist University Multi-Use Event Center, Riverside, CA
- The West Hollywood EDITION Hotel, West Hollywood, CA
- La Jolla Commons, La Jolla, CA
- San Diego Airport Terminal 2, San Diego, CA
- Hotel Del Coronado, Coronado, CA

UC Davis Shrem Museum of Art

Architect: Bohlin Cywinski Jackson, SO - IL
Project: $30 million, 29,000 sf, completed in 2016

UC Davis Jan Shrem and Maria Manetti Shrem Museum of Art was designed by SO – IL in partnership with Bohlin Cywinski Jackson. The project incorporated a large canopy intended to appear as if it is floating atop a series of interconnected interior and exterior spaces.

The museum has indoor/outdoor social and public spaces for education programs, performances, art display and events. These spaces are crucial to the success of the museum.

WSP provided MEP, fire protection engineering, commissioning, technology systems and high-performance building design services through our sustainability group, Built Ecology.

While the project originally pursued LEED Gold certification, it eventually achieved LEED Platinum certification.

SFJAZZ

Architect: Mark Cavagnero Architects
Project: $64 million, 33,000 sf, completed in 2013

WSP provided MEP system design and architectural lighting design services for SFJAZZ, a leading non-profit jazz organization.

Located near the Civic Center in the Theater District of San Francisco, the three-story facility houses a 750-seat theatre, rehearsal spaces, café, administrative offices and an entrance lobby with ground floor retail.

UC Santa Barbara Bren School of Environmental Science & Management

Architect: ZGF Architects

Project: 85,000 sf, completed in 2002

The Donald C. Bren School of Environmental Science & Management was one of the first buildings in the nation to achieve LEED Platinum Certification in 2002. The research program within this 85,000 sf facility features chemistry, biology/quantitative analysis laboratories, private/open offices, teaching/research facilities and two auditoriums of 800 and 250 seats.

In 2009, the building became the first structure in the nation to received a second LEED Platinum certification and in 2017, Bren Hall received its third LEED Platinum certification. The building was the highest scoring LEED project in the country.

LA Biomed

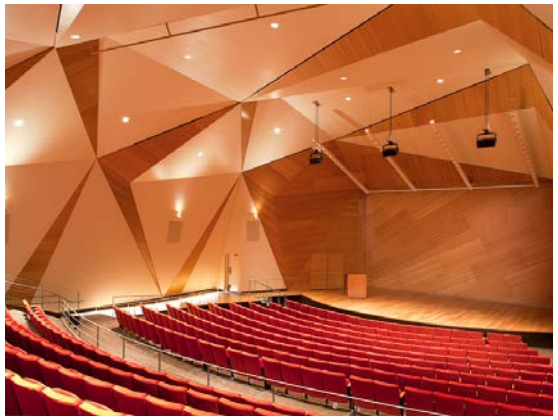
Architect: ZGF Architects

Project: 82,260 sf, completed in 2019

The LA Biomedical Research Institute is a new 82,620 sf four-story research building.

The Building RB-A is designed as a standard wet lab environment, housing various research groups and modules. Level 3 is a "incubator lab." The ground floor of Research Building A houses a large lobby and gallery space, a 160-person presentation and event space and areas for food service and dining. The second and third floors were designed for wet-labs, and the fourth floor is entirely office space with a C-suite.

WSP provided MEP/FP design services, Built Ecology and lighting design services for this project.



UCSD Conrad Prebys Music Center

Architect: LMN Architects

Project: $53 million, 46,880 sf, completed in 2009

Situated on Russell Lane, this 46,880-sf music center is a vital part of the campus' Arts District.

World-renowned acoustician Dr. Cyril Harris and LMN Architects of Seattle designed the music center, which features a 400-seat auditorium dubbed as the concert hall of the future. This is due to its state-of-the-art sound equipment and acoustics.

The interior of the concert hall uses angular wall and ceiling shapes to disperse sound evenly throughout the space. Built of cast-in-place concrete and aluminum/glass curtain wall, the music center also includes a small, flexible hall for multimedia and music theatre works, a 150-seat lecture/recital hall and rehearsal rooms for chamber, choral, orchestral and percussion music.

PROJECT TEAM

Todd See, PE, LEED AP BD+C

Project Director

28 Years with firm

28 Years of experience

Professional qualifications

Professional Engineer in CA No. M30765, HI No. 13316

LEED AP BD+C

Education

B.S. in Architectural Engineering, Penn State University, University Park, PA

PROFESSIONAL EXPERIENCE

- UC Davis Shrem Museum of Art, Davis, CA
- Bowman Library, Menlo College, Menlo Park, CA
- Caltech Schlinger Laboratory for Chemistry & Chemical Engineering, Pasadena, CA
- UCSB Bren School of Environmental & Management Building, Santa Barbara, CA
- UCSB Marine Sciences Research Institute, Santa Barbara, CA
- CSU Sonoma State University Green Music Center, Sonoma, CA
- University of San Francisco Gleeson Library Expansion, San Francisco, CA

Ahmad Sinno

Project Manager

6 Years with firm

10 Years of experience

Education

B.A. in Mechanical Engineering, American Univ. of Beirut, Beirut, Lebanon

PROFESSIONAL EXPERIENCE

- Monterey Bay Aquarium Learning Center, Monterey, CA
- F+P Mobility Pavilion Expo & Legacy, Dubai, UAE
- CityPlace, Santa Clara, CA
- Oceanwide Plaza, Los Angeles, CA
- Mirage Bluewaters Serviced Apartments and Wharf Retail, Dubai, UAE
- Project Star, 2 Hotels, Expo 2020 Master Plan, Dubai, UAE
- Project Star, 3 Apartment Buildings, Expo 2020 Master Plan, Dubai, UAE
- 300 California, San Francisco, CA
- 181 Fremont, San Francisco, CA
- Park Tower, San Francisco, CA

Matthew Flannery

Lead Mechanical Engineer

1 Year with firm

12 Years of experience

Professional qualifications

Licensed Engineer CA (38199) NY (090254)

Certified Energy Manager (CEM)

Education

B.S. Mechanical Engineering, Pennsylvania State University, University Park, PA

PROFESSIONAL EXPERIENCE

- The West Hollywood EDITION, West Hollywood, CA
- Building 905, Stanford Linear Accelerator Campus (SLAC), Menlo Park, CA*
- Yale School of Management, New Haven, CT*
- MIT Laboratory Buildings HVAC Optimization, Cambridge, MA*
- JP Morgan Chase, New York, NY*
- BBVA Bancomer, Mexico City, Mexico*
- 315 Park, New York, NY*
- 200 Fifth Avenue, New York, NY*
- Bank of New York Mellon Center, Pittsburg, PA*
- 250 East 57th St., New York, NY*

*Project experience from previous employer

Michael Shewchuk

Lead Electrical Engineer

3 Years with firm

30 Years of experience

Professional qualifications

Professional Engineer (P.Eng) in Canada

Education

B.S. in Electrical Engineering, University of Alberta, Edmonton, Canada

PROFESSIONAL EXPERIENCE

- SFSU Creative Arts Replacement Building, San Francisco, CA
- Arizona State University Herald Examiner Building, Los Angeles, CA
- SJSC Miro Residential Towers, San Jose, CA
- 170 Park Tower, San Jose, CA
- University of Alberta, Design Guidelines and Standards, Edmonton, Alberta*
- University of Alberta Centre for Professional Development, Edmonton, Alberta*
- University of Alberta Physical Activity and Wellness Centre, Edmonton, Alberta*
- Northern Alberta Institute of Technology Campus Expansion, Edmonton, Alberta*

*Project experience from previous employer

Arthur Morrissey

Lead Plumbing Engineer

5 Years with firm

37 Years of experience

Education

Franklin Institute of Boston, Journeyman Plumber I & II, Boston, MA

Wentworth Institute of Boston, Machinery Design, Boston, MA

PROFESSIONAL EXPERIENCE

- California State Courts and Library, Sacramento, CA
- Conrad N. Hilton Foundation, Agoura Hills, CA
- Palo Alto Elementary and Middle School Revitalization Projects, California*
- UC Davis Briggs Hall Renovation, Davis, CA*
- UC Davis Aquatics Building, Davis, CA*
- Fogo de Chao Brazilian Restaurant, San Francisco, CA*
- Ghirardelli Square Multiple Renovations, San Francisco, CA*
- College of San Mateo Theater Upgrade, San Mateo, CA*
- Woo Han Fai Hall, Berkeley, CA*

*Project experience from previous employer

Francis Krahe & Associates Inc. is recognized worldwide as an innovative architectural lighting and engineering design firm. Established in 1983, the firm has an exceptional creative team in los angeles, california which serves a diverse range of design clients who share a common goal of excellence in lighting. Our design professionals provide creative and technical lighting expertise to produce exceptional projects. We understand light and lighting technology. Our design practice includes the planning, architecture, electrical engineering, and product design related to light. In over 35 years, we have established a strong record of design and construction of award winning projects.

Our strategy is to define a particular place with light to create a unique sense of quality and character. We work closely with the owner and design architect to understand their concepts and objectives, and we engage them to find lighting opportunities. We establish and maintain a close working relationship with our clients to understand their ideas and gain their trust. Our involvement with the architect and owner in the early stages of a project allows lighting concepts to be integrated with the owner's program goals and the building design.

We offer comprehensive design services for all lighting issues. We design lighting system master plans; exterior and interior lighting solutions for buildings; environmental impact analysis; day lighting analysis and design; energy conservation; photovoltaic energy generation systems; rehabilitation of existing facilities and equipment; technical specifications and construction documents, fixture product design; computer simulation; and field measurement and testing. Francis Krahe & Associates has a remarkable record of excellence.

Our clients have expressed their satisfaction with our performance and confidence in our ability by repeated use of our services.
Outstanding and enduring buildings are formed through a creative process which exploits the opportunities presented, and searches for those inherent and subtle characteristics which define both unique and timeless quality. We challenge ourselves and our clients to define an architecture with light which will enhance the community and reinterpret their context and purpose. With light we create original works that are both beautiful and functional, simultaneously complex and simple. We are fascinated by how light can be manipulated to capture the unique qualities of a particular form, place, and purpose.

We design by integrating a modern architectural aesthetic with the elegant application of lighting technology. Through a very deliberate composition of light we create places for people that evoke a sustained emotional response: from tranquility to excitement to delight. We believe light is a powerful tool which communicates the identity of place and shapes our perception of this environment.
The building process is a continuum capturing both the creative and strategic view of planning and concept, and the tactical manipulation of earth and material within construction. We take pride in our design process, which guides the idea development to logical conclusions through a sustained and clear dialogue with our client and our collaborators.

We believe we can consistently deliver creative, innovative and cost effective solutions through a disciplined sequence of study and evaluation. We develop drawings, renderings, animations, models, and mock-ups to thoroughly analyze and define our solutions.

While we enjoy the art and creativity of design in the studio, our passion is to realize constructed forms integrating light artfully. To achieve this result our studio is focused on the building site, and the team of builders and managers who will execute the client's work. We collaborate with these professionals to engage a critical process of editing and refinement to insure the work is rigorously executed and meets the expectations of the client and the design. As an architectural engineer, I believe our best work results from collaboration. Our success is owed in great part to the outstanding architects, designers, landscape architects, artists and engineers who engaged our team for their project. We believe our designs are a durable enhancement for each project and each client. We take great pride in our accomplishments and the recognition of our work in over 35 years, while we view each new project as a defining opportunity.

Francis J. Krahe

President, Francis Krahe & Associates, Inc.

40+ years of experience in lighting design.

Mr. Krahe established Francis Krahe & Associates in 1983 to provide a innovative approach to lighting design. As an architectural engineer he shaped the firm to pursue his perspective on the relationship between quality design and the business of architecture and building construction. Since the firm's inception, his understanding of the impact and power of dramatic, creative lighting solutions has produced projects where lighting has enhanced and embellished the architecture. These same projects were equally successful in meeting the clients' budget and schedule. Mr. Krahe's responsibility is to insure that every project meets or exceeds the client's expectations. Mr. Krahe provides both design and management supervision for all aspects of the firm. Key design and business decisions are discussed, reviewed and approved by Mr. Krahe. The unique design quality delivered by Francis Krahe & Associates is a result of his lighting design solutions for a spectrum of projects.

Professional Highlights

Education

Bachelor of Architectural Engineering
Pennsylvania State University

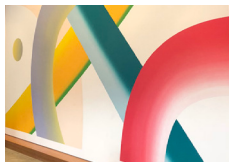
Registration & Licensing

Professional Electrical Engineer
California (#12953)

Professional Affiliations

International Association of Lighting Designers (IALD)
Illuminating Engineering Society (IES)
Urban Land Institute
American Institute of Architects LA
U.S. Green Building Council



Experience

Our Lady Queen Of Angels, Newport Beach, CA
Chapman University Leatherby Library, Orange, CA
Chapman University Chapel, Orange, CA
Christ Cathedral Renovation, Orange, CA
UCSD Biomedical Research Facility
UCSD CTRI Building
Archer School for Girls, Brentwood, CA
Jacobs Engineering HQ, Pasadena, CA
Music Center Plaza Renovation, Los Angeles
Stanford University BMI Building
Harvard University DEF Facility
SCU Sobrato Campus Building
UBC Vancouver & Okanagan Guidelines, Canada
Ohio State University Chiller Plant
Stanford University Lokey Building
University of Arizona MRB Building
Arizona State University Cancer Center
Los Angeles Trade Tech
Wilshire Blvd. Temple Renovation
LA City Hall Renovation

Awards

2016 IES Award of Excellence, Taylor Center for Performing Arts, Mount Royal University
2016 IES Awards of Merit: UCSD Biomedical Research Facility II
2017 IES Award of Excellence, Poly International Plaza

Jason Grandpre

Senior Construction Manager, Francis Krahe & Associates, Inc.

25+ years of experience in lighting design.

Jason's Background is in Theatrical Lighting, and brings over 25 years of experience as a Theatrical Lighting designer, and Theatrical Lighting System designer to Francis Krahe & Associates. Jason has designed Lights for over 40 productions and has designed Theatrical lighting systems of all sizes from Church's to Performing Arts Centers. Jason works with architects, and clients to ensure the lighting systems use state of the art equipment, and are designed to meet and exceed the client's expectations and system criteria. For the past 6 years Jason has been designing in a new area of lighting design called "Architainment". This area of design uses Theatrical types of Control and Color Changing Lighting (LED Systems) to light architectural facades and interiors to add an entertainment value to the Project.

Professional Highlights

Education

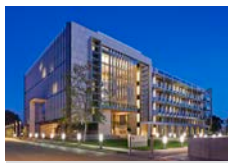
Masters of Fine Arts, Lighting Design / Technical Direction
California Institute of the Arts
Bachelors of Science, Technical Theater
University of Wyoming

Certifications

ETC Certified Technician

Professional Affiliations

International Association of Lighting Designers (IALD)
Illuminating Engineering Society (IES)



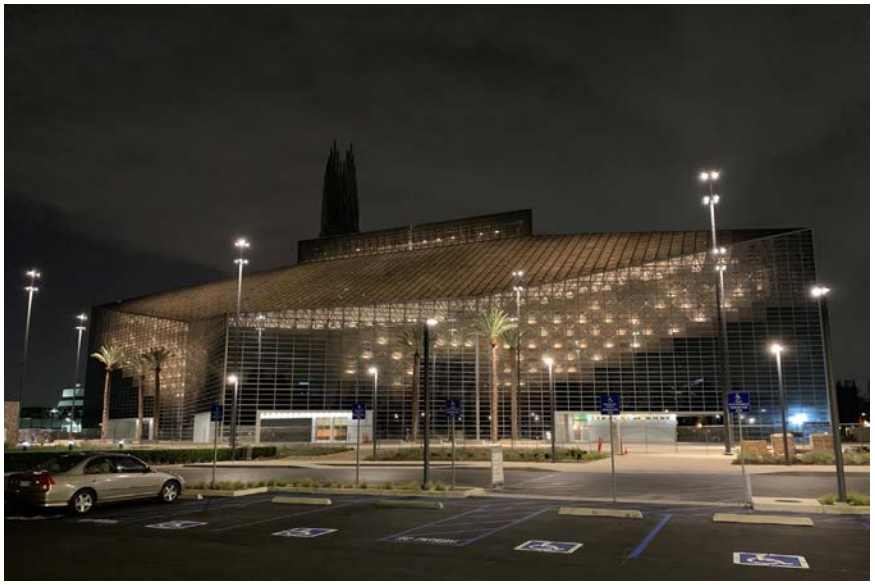
Experience

Union Station Retrofit, Los Angeles, CA
Archer School for Girls, Brentwood, CA
Jacobs Engineering HQ, Pasadena, CA
Music Center Plaza Renovation, Los Angeles
Christ Cathedral Renovation, Orange, CA
UCSD Biomedical Research Facility
UCSD CTRI Building
University of Arizona MRB Building
Arizona State University Cancer Center
Wilshire Blvd. Temple Renovation

Awards

2016 IES Award of Excellence, Taylor Center for Performing Arts, Mount Royal University
2016 IES Awards of Merit: UCSD Biomedical Research Facility II
2017 IES Award of Excellence, Poly International Plaza

FRANCIS KRAHE & ASSOCIATES



Christ Cathedral

Garden Grove, CA

Archdiocese of Orange County

Johnson Fain Architects

Rios Clementi Hale Studios

Our Lady Queen of Angels Church

Newport Beach, CA

AC Martin Partners

Taylor Center for the Peforming Arts

Mount Royal University

Calgary, AB

Mount Royal University

Pfeiffer Partners

Taylor Center for the Peforming Arts

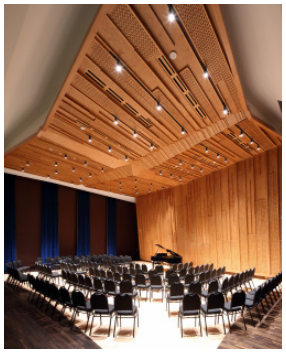
Bella Concert Hall

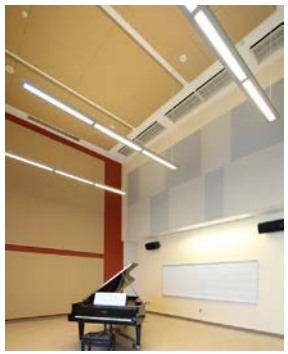
Mount Royal University

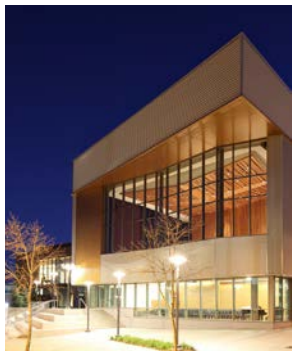
Calgary, Alberta, Canada

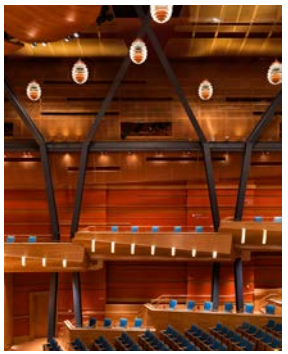
Mount Royal University

Pfeiffer Partners









FRANCIS KRAHE & ASSOCIATES

Ray and Pauline Wallace All Faiths Chapel and Interfaith Center

Chapman University

Orange, CA

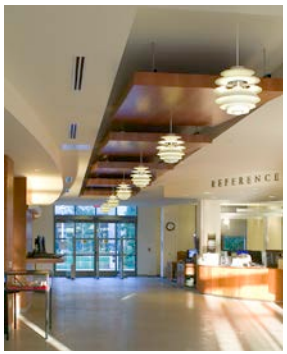
AC Martin Partners

Leatherby Library

Chapman University

Orange, CA

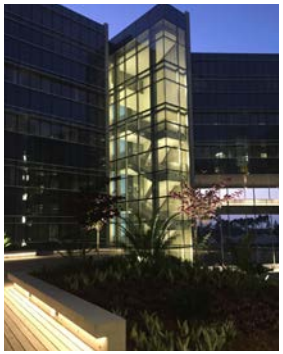
AC Martin Partners



Recipient of the 2017 IES Award of Merit for Lighting Controls

Clinical & Translational Research Institute
University of California San Diego
La Jolla, CA
ZGF Architects

Lorry I. Lokey Stem Cell Research Building
Stanford University School of Medicine
Palo Alto, CA
ZGF Architects



C. P. O'HALLORAN ASSOCIATES INC.
CONSTRUCTION COST MANAGEMENT

Firm Profile

C. P. O'Halloran Associates provides comprehensive construction cost management services to design professionals, institutions and developers. We use a consultative approach to communicate the cost impact and risk of complex design, program and technical choices when undertaking a construction project. C. P. O'Halloran begins most projects with a cost model that evaluates prices by both building component and building program. This enables the project team to make consensus decisions about cost with confidence, based on a clearly defined set of cost parameters and goals. Because we focus solely on construction cost estimating, our practice is efficient. We continuously participate on multiple projects, enhancing our capabilities to accrue in-depth knowledge of alternative materials, building systems, market conditions, constructability and risk. Our integrated understanding of the construction process enables us to balance the needs of each project to attain stated functional, programmatic and design goals; we assist with optimizing the choices at hand to achieve the best possible result.

A Different Approach

In addition to understanding supply and demand market conditions for labor and construction materials, our construction cost management includes the evaluation of project elements before drawings are complete. Our years of experience and extensive portfolio of projects provides us with the knowledge and insight to offer project teams confidence in the cost management process and to deliver tangible value.

Our approach to construction cost management is guided by three principles:

- Anticipating costs by understanding the building programs, risk and design development.
- Forecasting future costs, market conditions and risk.
- Communicating with a report format that is understood by people with varying degrees of familiarity with design and construction.

Experience

CPO's track record and successful results in anticipating, forecasting and communicating construction costs set us apart from other estimators. Our professional staff are trained as cost engineers and have both field and office experience; all are continuously augmenting their skills with ongoing training in conceptual and detailed estimating. Ciarán O'Halloran, who brings 38 years of experience with cost management services, leads all our projects and supervises quality control through careful evaluation of the assumptions underlying our costing data as it is prepared. This close oversight and team effort is integral to our successful track record.

A certified small business (SBE), C. P. O'Halloran Associates has served healthcare, higher education, K-12 schools, science and technology institutions, public agencies, and residential and hospitality developers nationally since 1998, approximately 3500 construction projects and 300 clients.

"Beyond solely providing accurate and insightful cost estimating, CPO has proved to be an important strategic advisor to us as well, often pointing out phasing or constructability issues early in the conceptual stages of our projects."

- CAMPUS ARCHITECT
UCLA CAPITAL PROGRAMS

"Ciaran and his team are my 'go-to' consultants whenever there is a need for a cost consultant. I trust his estimations more than any other consultant we have worked with."

- MARC FISHER,
FORMER VICE CHANCELLOR
FOR ADMINISTRATIVE SERVICES, UCSB

Education/Professional Qualifications

Bachelor of Science in Quantity Surveying
Trinity College
Dublin, Ireland

Diploma in Construction Economics
Dublin Institute of Technology
Dublin, Ireland

Fellow, Royal Institution of Chartered Surveyors

American Association of Cost Engineers

References

Stephanie Tollenaere
Director, Project Management Services
UCLA Design and Construction
T: 310.206.5940

Kathleen FitzGerald
Director, Project Development
UCLA Design and Construction
T: 310-206-5939

Sean Collins, AIA
Director, Facilities Planning, Design & Construction
Cedars Sinai Medical Center, Los Angeles
T: 323-866-8760
American Association of Cost Engineers

Ciaran P. O'Halloran, FRICS

Principal Estimator

Summary

With 38 years of industry experience, Ciarán O'Halloran has managed construction costs for a wide variety of projects in the United States, Europe and Canada for owners, financial institutions and design teams. Ciarán personally leads and supervises all the firm's projects and provides quality control reviews for our reports and cost management services.

Ciarán plays a strategic role in projecting accurate and appropriate budgets at master plan, concept design and program phases; he has consistently delivered significant value on complex projects to a diverse group of clients. He monitors the cost of construction throughout each of the design phases with detailed estimates, analyzes the cost of alternate design proposals, value engineering, and preparation of bid packages including negotiation with contractors, preparing construction schedules and monitoring progress relative to schedule. He prepares monthly construction phase cost reports, change order review and negotiation and evaluates the anticipated project completion cost.

Ciarán has worked on a variety of high-profile projects with national and local design professionals. He has participated in all stages of project development, from pre-design through construction; his work has been instrumental in achieving value while meeting the desired design and his clients' project goals.

Recent Experience

Chemistry Physics Library Expansion,
University of California Los Angeles
Clark Library, University of California Los Angeles
Law Library, University of California Los Angeles
Science and Engineering Library,
University of California Los Angeles
Young Research Library,
University of California Los Angeles
Powell Library, University of California Los Angeles
Biomedical Library Renovation and Addition,
University of California San Diego
Library Expansion, University of Judaism
East Asian Library, University of Southern California
Law School Library Renovation,
University of Southern California
Library and Learning Resource Center,
Oxnard College
Library and Learning Resource Center,
Los Angeles Valley College
Library and Learning Resource Center,
Pierce College
Allendale Library, Pasadena
Anaheim Public Library, Children's Area Remodel
County of Los Angeles, Library Building Study
Library Building, City of Camarillo
Library Building, City of Monrovia
Library Building, Topanga
Mac Arthur Park Branch Library, City of Long Beach
Pico Branch Library, City of Santa Monica
Whittier Public Library
Westwood Branch Library, Los Angeles
Manhattan Beach Library
Beverly Hills Library
Pollak Library, CSU Fullerton
Signal Hill Library

The Preview Group, Inc. (Preview) is an architectural consulting firm that specializes in providing regulatory solutions for our clients. We are experts in building codes, providing accessibility for persons with disabilities, regulatory issues affecting construction, construction document quality assurance review and building code education. The firm, established in 1986, provides services to building designers, owners and local code enforcement agencies. We help our clients determine the best path toward achieving building code compliance and construction document quality so that they may better meet their goals.

Preview has played a major role in gaining code approval for a wide variety of projects for varied clients, both in the private sector and for governmental agencies. Recent projects include the building code and accessibility consulting for the new Roseland University Prep high school in Santa Rosa, CA, as well as for the Urban High School in San Francisco. Mr. Winkel was the building code and accessibility consultant for the Preservation Design Award-winning historic Hay Barn Renovation at UC Santa Cruz, the seismic upgrade and renovation of the historic War Memorial Veterans Building in San Francisco's Civic Center, new student centers for the CSU Sonoma and CSU San Marcos campuses and an 8-story conference center and hotel for visiting scholars at UCLA. Preview has worked on several medical buildings in Cincinnati, providing fire, life safety and accessibility code consulting for the University of Cincinnati CARE Medical Sciences Building and The Christ Hospital. Other recent Preview projects include the Oconee County Courthouse in South Carolina, the National Underground Railroad Freedom Center in Cincinnati and the Textile Museum in Washington DC.

The Preview Group, Inc. has two offices providing nationwide service. The home office is in Cincinnati, Ohio. The west coast office is in Berkeley, California. The services offered by our two offices include: code compliance reviews for new and existing buildings; accessibility consultation on the ADA, the Federal Fair Housing Act and on local building code and accessibility regulations; building code and access code seminars; contract plan review; expert witness consultation and court testimony regarding building code and accessibility issues.

Our five-person firm is deliberately kept small so that the four principals: David Collins, FAIA/CBO; Steven Winkel, FAIA/PE/CASp; Greg Nicholls, AIA/CBO and Sarah Rice CBO can work directly with our clients. Three of the principals, David Collins, Greg Nicholls and Sarah Rice are Certified Building Officials and have extensive experience as both project designers and code officials. This experience on both sides of the permit counter gives Preview staff a unique perspective on regulatory issues. David Collins, FAIA/CBO, firm founder and President, has over fifty years of experience and is recognized as an expert on the International Building Code and is on the ICC/ANSI A117.1 committee charged with developing accessibility technical criteria. He is also a longstanding member of the NFPA 101 Technical Committee on Means of Egress and is currently committee chair. Dave has over fifty years of experience in code use and interpretation as a Building Official as well as having been an architectural project manager and a representative in the building code development process for several national building materials trade groups. Steven Winkel, FAIA, PE, CASp, West Coast office manager, has almost fifty years of experience as a project manager, code consultant and quality assurance manager. He is a California licensed architect, licensed civil engineer, licensed landscape architect and a Certified Access Specialist (CASp). Steve is now serving in his fifth four-year term as the Architect Commissioner on the California Building Standards Commission. He was also a member of the Board of Directors of the National Institute of Building Sciences for seven years.

Preview participates actively in code development at the national, state, and local level. We take great pride in being recognized for our leadership in the strategic development and implementation of solutions for our clients for such things as: solving building code-related problems, providing client representation during the building and zoning appeals process, providing expert witness advice and testimony, performing quality assurance reviews and providing contract plan review services for various jurisdictions. In recognition of our expertise in code development Preview has for many years been engaged by the American Institute of Architects as code consultants to assist the AIA in monitoring and participating in building and accessibility code development processes throughout the nation. In addition, both Dave Collins and Steven Winkel have received the prestigious designation of Fellows of the American Institute of Architects in recognition of their work in building code development and code education.

STEVEN R. WINKEL, FAIA, PE, CASp

Profile

Steve joined the firm in 2005 and currently manages the firm's San Francisco Bay Area office. Steve has over 45 years' experience as an architect, engineer, landscape architect and Certified Access Specialist, and has co-authored several illustrative and interpretive building code publications. Steve served on the Board of Directors of The American Institute of Architects (AIA) and as the chair of the AIA Codes and Standards Committee. He was reappointed in 2018 to his fifth 4-year term as the architect member of the California Building Standards Commission. In addition, Steve was a member of the Board of Directors of the National Institute of Building Sciences for 7 years. With his experience as an architect, civil engineer, landscape architect and access specialist with expertise in accessibility, project management, code analysis and quality assurance reviews, Steve brings a unique perspective and a broad knowledge base to the firm's projects.

Certifications/Registrations

Licensed Architect, California - License No. C-9284
Registered Civil Engineer, California - License No. 31003
Licensed Landscape Architect, California - License No. 1680
Certified Access Specialist, California - Certificate No. CASp-062

Education

University of California, Berkeley, A.B. - Environmental Design (1971)

Affiliations and Memberships

American Institute of Architects (AIA): Member and Fellow
American Society of Civil Engineers (ASCE): Member
International Code Council (ICC): Honorary Member with voting privileges
National Trust for Historic Preservation: Member
UC Berkeley, College of Environmental Design Alumni Association (CEDAA): Co-President (2003-2004), Board Member (2001-2010)
National Fire Protection Association (NFPA): Professional Member

Refences – Project/Code Consulting Clients

City College of San Francisco Performing Arts Center
Doug Tom, TEF Architects, San Francisco, CA
415-391-7918 (x100), doug@tefarch.com

War Memorial Building Seismic Upgrade and Renovation, San Francisco
Ron Hamburger, Simpson Gumpertz and Heger, San Francisco, CA
415-495-3700, ROHamburger@sgh.com

SOMA Grand Hotel, San Francisco
Chris Apicella, Hornberger Worstell Architects, San Francisco, CA
415-391-1080 (x122), apicella@hwiarchitects.com

Newport Beach City Hall
Steve Chaitow, Bohlin Cywinski Jackson Architects, San Francisco, CA
415-989-2100, schaitow@bcj.com

3 New Classroom Buildings, Stanford University
Chris Wasney, CAW Architects, Palo Alto, CA
650-328-1818, csw@cawarchitects.com

Hearst Memorial Gymnasium Repurposing Study
Laura Hartman, Fernau and Hartman Architects, Berkeley, CA
510-848-4480, lh@fernauhartman.com

632 Race Street | Cincinnati, OH 45202
Tel 513.621.2109 | Fax 513.621.7297

2765 Prince Street | Berkeley, CA 94705
Tel/Fax 510.547.7748

www.preview-group.com
info@preview-group.com

ASSOCIATED SOILS ENGINEERING, INC.

FIRM'S BACKGROUND INFORMATION

The firm of Associated Soils Engineering, Inc. (ASE) was incorporated in 1974, in the State of California. ASE, headquartered in Signal Hill, California, has been in business for over 45 years providing services to many municipalities as well as private industry, not only in the South Bay area, but throughout Southern California. These facilities are considered among the best in Southern California providing testing services for many competitors as well as for the in-house clients. Associated Soils Engineering, Inc. has a commitment to provide Geotechnical consulting and soils and materials testing services with a high degree of professional excellence and proficiency. We strive to offer our clients individual attention and provide innovative solutions at a competitive cost, from our headquarters, located in Signal Hill, California. ASE has provided geotechnical design, material testing, and construction testing services for nearly four decades in Southern California and can use the vast experience, information and data gathered over the years to provide quick and cost-effective geotechnical solutions to your project. ASE has 16 employees working directly out of our headquarters in Signal Hill, California. Our normal business hours are Monday through Friday, 7:00 am to 5:00 pm, but with prior notice, ASE personnel are available 24/7. ASE is legally permitted and licensed to conduct business in the State of California for the services offered.

ASE's in-house laboratory is certified by AASHTO/ CCRL and AMRL (Hot Mix Asphalt, Aggregate, Soil, & Portland Cement Concrete) as well as by the State of California Department of Transportation (Caltrans) and Division of State Architect (DSA) and the City of Los Angeles.

PERSONNEL & CAPABILITIES

Executive, Project Management, & Accounting

The following key personnel have been assigned to assist IDS with any upcoming projects. Our proposed team has the technical expertise and experience that exceeds the minimum requirements outlined in the RFP. ASE's current number of personnel totals 16 employees. Associated Soils Engineering, Inc. has assembled a very experienced team based entirely out of our Signal Hill, California office. The team will be led by Principal-in-Charge, and Corona del Mar resident, **Edward C. (Ted) Riddell**, P.G., C.E.G., with support from **Lawrence J.D. Chang**, P.E., G.E. Both are experienced in field investigation, engineering and geological analysis, and construction management with relevant pavement projects.

Other key personnel include **John Whitney**, P.G., C.E.G., Senior Project Geologist; **Gary Martin**, Project Engineer. Our Laboratory Manager, **Donald Zike** has over 40 years experience with our company. Our Accounting Department is headed by **Tammy Aingworth** who has over 25 years of accounting experience and over 5 years with our company.

PROJECT DESCRIPTION	MUNICIPALITY/CONTACT NAME
Proposed New Fire Station No. 6 & Community Center Westhaven Park at West Street Garden Grove, CA Geotechnical Investigation - 2016 Observation & Testing for Soils & Special Inspection during Construction - 2018	City of Garden Grove 13802 Newhope Street Garden Grove, California 92843 Mr. Mark Uphus (714) 741-5395
Burns Community Center Additions/Retrofit Project 5510 Clark Avenue Lakewood, CA Geotechnical Investigation - 2016 Observation & Testing for Soils & Special Inspection during Construction - 2018	City of Lakewood, California 5050 N. Clark Avenue Lakewood, California 90712 Mr. Max Withrow (562) 866-9771
Veteran's Park Community Center 6364 Zindell Avenue City of Commerce, CA Geotechnical Distress Investigation & Repair Recommendations - 2017	City of Commerce 2535 Commerce Way City of Commerce Way, CA 90040 Ms. Maryam Babaki (323) 722-4805

EDWARD (TED) RIDDELL, P.G., C.E.G
PRESIDENT, PRINCIPAL GEOLOGIST

ASSOCIATED SOILS ENGINEERING, INC.

EDUCATION

B.A., Geological sciences, University of California, Santa Barbara, California, 1985

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Registered Geologist, California, # 5657
Certified Engineering Geologist, California, # 1775

QUALIFICATIONS AND EXPERIENCE

Mr. Riddell has nearly 30 years of experience in all phases of geotechnical projects. He has managed or worked on projects for public and private sectors including planning, geologic mapping, coordinating, conducting and writing of preliminary investigations, supervision, direction of field personnel and site inspections during grading to final drafting and report writing of completed projects.

Representative geotechnical projects that have been directed or managed by Mr. Riddell include:

- **City of Santa Fe Springs, Los Angeles County, California** – Project Manager/Engineering Geologist for Pavement Rehabilitation/Reconstruction of 10 Commercial/Light Industrial Streets, existing pavement evaluation & recommendations for rehabilitation or replacement, visual evaluation of pavements, coordinate AC coring and soil borings, analyze laboratory data, preparation of report including evaluation of subgrade soils, pavement overlays and new pavement sections.

- **City of Garden Gove, Orange County, California** – Project Manager/Engineering Geologist for Pavement Rehabilitation/Reconstruction of 8 City Streets varying from local residential streets to collectors and arterials, existing pavement evaluation & recommendations for rehabilitation or replacement, visual evaluation of pavements, coordinate AC coring and soil borings, analyze laboratory data, preparation of report including evaluation of subgrade soils, pavement overlays and new pavement sections.

QUALIFICATIONS AND EXPERIENCE (continued)

- **City of Seal Beach, Orange County, California** – Project Manager/Engineering Geologist for Pavement Rehabilitation/Reconstruction of Beverly Manor Drive, existing pavement evaluation & recommendations for Full Depth Reclamation (FDR), coordinate AC coring and soil borings, analyze laboratory data, preparation of report including evaluation of subgrade soils, pavement overlays and new pavement sections, followed by management of the operations of the geotechnical personnel (field & Lab) during the reclamation and new pavement overlay for the project.

- **La Habra, Orange County, California** - As project geologist, Mr. Riddell performed a geotechnical investigation for a 400+ acre master planned residential/golf community on a former oil field, followed by management of the operations of the geotechnical personnel during the rough grading of the project. Duties during grading included field geologic mapping, large ancient landslide complex removals and stabilization, slope stability analyses, in-grading recommendations for remedial grading, and preparation of geotechnical reports and geologic maps.

- **Rancho Mission Viejo, Orange County, California** - As project geologist, Mr. Riddell performed a geotechnical investigation for a sand and gravel mining operation. The investigation was done to determine the extent of the remaining minable material as well as a geotechnical review of the potential reclamation plan. Mr. Riddell utilized field geologic mapping, subsurface analyses and seismic refraction surveys in preparing the analyses.

PROFESSIONAL HISTORY

President, Principal Engineering Geologist, Associated Soils Engineering, Inc., Signal Hill, California
Staff and Project Geologist, GeoSoils, Inc., Santa Ana, California

PROFESSIONAL SOCIETIES

Association of Engineering Geologists
South Coast Geologic Society
California Geotechnical Engineers Association
Asphalt Pavement Association

LAWRENCE J.D. CHANG, P.E.
VICE PRESIDENT - SENIOR ENGINEER (CA RCE 67987, RGE 2881)

ASSOCIATED SOILS ENGINEERING, INC.

EDUCATION

PhD. Candidate Geotechnical Engineering, Nanyang Technological University, Singapore, 1997

M.S. Geotechnical Engineering, University of California, Davis, 1988

B.S. Civil Engineering, Chung Yuan Christian University, Taiwan, 1983

QUALIFICATIONS AND EXPERIENCE

- **Associated Soils Engineering, Inc. (ASE), Signal Hill, CA** – Supervision and management of soils and materials testing laboratory; implementation and enforcement of QC policy; review and certification of QC & QA testing and inspection documents; field inspection, certification and evaluation; roadway pavement design.

  Management/involvement of highway/roadway construction projects such as City of Cerritos Roadway Rehabilitation Project, City of Hawthorne Municipal Airport Roadway Rehabilitation, Fed Ex-LA Hub Pavement Rehabilitation, City of Bellflower Municipal Improvement Project, Rowland Water District Capital Improvement Project, master-planned subdivision developments.

- **Testing Engineers, Santa Ana** – Co-ordination & supervision of project implementation & budget, geotechnical site investigation, engineering analysis & report writing presentation and negotiation of project proposals and contracts with clients. Management/involvement of projects such as Ynez Bridge Widening in Temecula, Santa Clarita Medical Building in Santa Clarita, Marion Knotts Studio/Athletic Field/Parking Structure/Student Residence at Chapman University in Orange, Saugus High School in Santa Clarita, The Crossing Church in Costa Mesa, Fed Ex Ground- L A Hub Pavement Rehabilitation in Los Angeles, Harbor Blvd. Rehabilitation in La Habra, Sewer Main Replacement in Canyon Lake, First American Capital Development in Santa Ana, and Gym Expansion at Biola University in La Mirada.

- **Synergy World Group Ltd., Taiwan** – Overall project co-ordination, administrative, personnel and budgetary responsibility of geotechnical and geo-environmental projects in Malaysia and Greater China. Initiation, compilation, presentation and negotiation of project proposals or contracts for residential, commercial, industrial and infrastructure projects. Geotechnical & geo-environmental value engineering study & appraisal. Participation of projects such as TAIPEI 100 Building, Taiwan High-Speed Railroad Project, and North-South Highway Slope Stabilization in Malaysia.

- **RoyalHub Pte. Ltd., Singapore** – Infrastructure project proposals and planning for government agencies. Township planning & construction in China incorporating advanced geotechnical and geo-environmental engineering features. R&D project leader in re-utilization of recycled industrial wastes for geotechnical application.

JOHN R. WHITNEY, P.G., C.E.G
SENIOR PROJECT GEOLOGIST

ASSOCIATED SOILS ENGINEERING, INC.

EDUCATION

B.S., Geology, California Lutheran University
Post-Graduate Studies, California State University, Los Angeles

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Professional Geologist, California, #6661
Certified Engineering Geologist, California, #1929

QUALIFICATIONS AND EXPERIENCE

Mr. Whitney, a registered engineering geologist with over 22 years of professional geotechnical experience, specializes in geotechnical investigations, construction observation and structural distress investigations. He has worked on or managed a wide range of geotechnical projects involving private and public sector clients in Ventura, Los Angeles, Orange, San Bernardino, Riverside, and San Diego Counties. Projects have included residential and commercial development, water tanks, earth dams, and distressed ground stabilization. Mr. Whitney is regularly involved in development projects from early conceptual stages through final construction stages.

- As soils technician and field, staff and project geologist, observed and tested fill placement, performed geologic observations, provided remedial grading recommendations, managed field personnel, directed materials testing/inspections, and prepared final geotechnical reports. Projects have included residential development, commercial buildings, schools and dams. Many of these projects have involved earthwork in excess of one million cubic yards each.

- As field, staff and project geologist, managed and performed preliminary geotechnical investigations designed to identify and develop mitigation recommendations for landslides, earthquake faulting, liquefaction, ground settlement, high groundwater tables, and other geologic hazards. The work performed included geologic field mapping, aerial photograph analysis, exploratory excavations (borings and trenches), and geophysical remote sensing; interpretation of field data collected; and the preparation of reports, geologic maps and cross sections. The above work has been performed for single-family residential, large residential tract developments, commercial buildings, schools, hospitals, and public works projects.

ASSOCIATED SOILS ENGINEERING, INC.

GARY L. MARTIN
PROJECT ENGINEER

EDUCATION

B.S., Geology, California State University, Long Beach, 1984

PROFESSIONAL EXPERIENCE

Mr. Martin has experience pertaining to varied phases in the field of Geotechnical Engineering. His background includes, engineering studies relative to conventional and deep foundations for commercial/industrial/residential buildings, subterranean construction, retaining structures, new slope construction and stabilization, pipelines, asphaltic and portland cement concrete pavement design, on site sewage disposal systems, evaluation and soil related distress to structures and foundations, and preparation of report.

Additional experience ranges from Geotechnical site reconnaissance, laboratory testing and subsurface soil exploration.

- As Project Engineer with Associated Soils Engineering, Inc., Mr. Martin is involved in planning of site subsurface soil explorations, scheduling of field and laboratory work, engineering evaluation and analysis, and preparation of reports presenting the results of our findings and recommendations. Mr. Martin has been with the firm of Associated Soils Engineering, Inc. since 1977.

PROFESSIONAL HISTORY

Project Engineer, Associated Soils Engineering, Inc., Long Beach, California

ASSOCIATED
SOILS ENGINEERING, INC.

DONALD ZIKE
LABORATORY MANAGER

EDUCATION

Lakewood High School – 1976
Long Beach City College – General Studies (2 ½ Years)

PROFESSIONAL CERTIFICATIONS

Caltrans Accreditation	DSA Acceptance (LEA)
AMRL Accreditation	CCRL Accreditation
CCRL & AMRL Proficiency Sample Programs	ACI Concrete Strength Tech
Caltrans Reference Sampling Program	Asphalt Pavement Association

PROFESSIONAL EXPERIENCE

1985 to Present Associated Soils Engineering, Inc.

Laboratory Supervisor: Oversees and performs the physical testing of soils and aggregates for use in designing structural elements for building purposes, asphaltic concrete, PCC; (Pacific Coast Concrete), and ballast material. Responsible for training laboratory technicians in performance of laboratory tests, and keeping up with Caltrans, CCRL and AMRL accreditations.

1978 to 1983 Laboratory Technician: Perform physical testing of soils and aggregates as directed by the Laboratory Supervisor. Train in duties of field compaction control technician and asphaltic concrete batch plant inspection and quality control.

1977 to 1978 Draftsman: Perform all drafting duties – Plot Plans, Consolidation and Sieve Analysis Graphs, Slope Stability Sections. Minor clerical duties. Train in duties of Laboratory Technician

“Bohlin Cywinski Jackson observes the patterns of each site and integrates its work with deep structure of the landscape and urban cultural context. The built works relate to the strength observed in each site, be it gully, creek, forest, hilltop, or city.”

— Glenn Murcutt