DESIGN-BUILD DONE RIGHT

UC SAN FRANCISCO'S MISSION HALL DELIVERY EXCEEDS EXPECTATIONS

RUDOLPH AND SLETTEN

GENERAL AND ENGINEERING CONTRACTORS



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HOOKED ON CONSTRUCTION

SPRING 2015

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△ John Ragosta, of CASA of San Mateo, accepts the Leo Jansing Fund check from Martin Sisemore and Dianna Wright.



ABOUT THE LEO JANSING FUND

Our philanthropy fund is named in memory of a great man who served as our Vice President and Chief Estimator for many years, and was a valued Rudolph and Sletten employee for over 17 years. Today, our employees' holiday season donations—along with Rudolph and Sletten's matching contribution enables the Leo Jansing Fund to support one or more community non-profit organizations in each of our regional offices.



Total philanthropic donations contributed since 2000.

CONTINUING OUR LEGACY OF GIVING

Rudolph and Sletten employees once again dug deep to give back to their local communities. The 2014 philanthropic donations totaled \$30,000, allotting \$6,000 to each of the nominated organizations. Each non-profit was nominated by an employee who volunteers their time with the organization.

REDWOOD CITY OFFICE CASA OF SAN MATEO COUNTY

Nominated by senior business development executive Dianna Wright, the Court Appointed Special Advocates (CASA) of San Mateo County partners caring adults with children who have come under the Court's protection. They bring a CASA volunteer into the life of a child whose parents can't or won't take care of him—a guardian angel of sorts who spends time every week with a kid in crisis. CASA volunteers make sure that kids don't get lost in the over-burdened legal system or languish in an inappropriate group or foster home.

REDWOOD CITY

CHOICE FOR CHILDREN EDUCATION FOUNDATION (CCEF)

Nominated by senior corporate accountant Bernadette Fernandez, this non-profit organization is run by parent volunteers of Livermore Valley Charter School (LVCS). They provide fundraising activities to close the "funding gap" left from inadequate state and local funding. All funds raised through CCEF go exclusively to the operational budget of LVCS and are restricted to supporting art, music, remediation, global language, science, library, and technology programs.

ROSEVILLE OFFICE MUSTARD SEED SCHOOL

Nominated by carpenter foreman Chris Mackey, the Mustard Seed is a free, private school for homeless children 3-15 years old. The school provides a safe, nurturing and structured environment for positive learning experiences and happy memories. They offer survival resources of food, clothing and shelter referrals, medical and dental screenings, immunization updates, counseling for children and their parents, and assistance entering or reentering public schools.

IRVINE OFFICE MIRACLE FOR KIDS

Nominated by business development executive Rick Hausman, the Miracles for Kids non-profit organization improves the lives of children with cancer and other life-threatening illnesses.

SAN DIEGO OFFICE DS ACTION

Nominated by senior project engineer Kristy Jarvis, DS Action works with Rady Children's Hospital in San Diego to help children with Down syndrome receive recommended medical evaluations, referrals and intervention services to actualize each child's potential. The Down Syndrome Center is the only center of its kind in California.



BREAKING GROUND

CITY OF SACRAMENTO - SACRAMENTO VALLEY STATION

RESTORING A CITY LANDMARK

At the northern gateway of downtown Sacramento, the historic Sacramento Valley Station (SVS) has served as the primary rail passenger station for the Northern California region since its opening in 1926. The SVS has grown to become the nation's 7th busiest station, serving the 3rd ranked Amtrak service on the Capitol Corridor, running 42 trains with over 4,700 passengers daily.

This beloved Sacramento architectural landmark is a part of the Sacramento Intermodal Transportation Facility (SITF) master plan, and has earned a spot on every historic register—federal, state and local. The structure consists of two, multi-story wings flanking a large central passenger waiting room.

Construction work includes architectural restoration and rehabilitation—executed in compliance with the Secretary of the Interiors' Standards for Historic Buildings— to preserve and freshen its main historical elements, including the vaulted waiting room, its massive wall mural and chandeliers, the marble floors and travertine trim, the exterior's arched corbels, pilasters and rooftop balustrades, and the transoms above office doors in

back halls. Many of the spaces will be adapted to add offices, retail areas, a cafe and possibly even a rooftop cocktail lounge.

Construction activities began in the Fall of 2014 starting with building foundation pile restoration and interior demolition with hazardous material abatement. A portion of the facade is currently covered by white shrink-wrapped construction plastic to protect the public as workers remove lead paint from window mullions, and clean and repair the masonry and terra-cotta exterior.

Portions of the renovated facility will be turned over as work finishes, with the entire project scheduled for completion in Winter 2016.







FROM TOP ZGF Architects' rendering of restoration project; mural restoration work underway above the waiting area; interior finishes were removed (including any hazardous materials) and all fixtures will be restored and reused.



Designed by world-renowned architecture firm SOM, the 120,000-square-foot, 6-story campus building will accommodate the academic teaching and learning programs of the David Geffen School of Medicine. The facility is expected to be a magnet for recruiting students, staff and faculty, by focusing on emerging trends in medicine and medical education.

The building will be more conducive to instruction on team-based approaches to medical care and the increasing presence of mobile technologies for diagnosing, tracking and monitoring disease.

The building—which consolidates some of the medical school's teaching facilities currently spanning 11 buildings—includes state-of-the art classrooms and teaching labs, a clinical skills center, student study space, support services and administrative offices. The building features an open air courtyard at the center of the building, and will be home to the Deans' offices.



Describing the building's environment as a welcoming hub for students to gather, as well as a place to think, Dr. Eugene Washington, vice chancellor for health sciences and dean of the Geffen School of Medicine, said, "This supportive setting will nurture big ideas that can change the way we teach and practice medicine.



△ As seen from the courtyard, each level of the concrete structure remains supported throughout vertical construction.

The lecture hall features under floor heating and cooling, maintaining the buildings flexibility and it's clean line aesthetic with minimal overhead utilities.

The 3D model is used in the field (on tablets) for quality assurance.



KEY CONSTRUCTION FEATURES

COST-CONSCIOUS

Cast-in-place concrete structures require lengthier construction times than steel frame buildings, but are a more cost effective construction method. Vibration and sound are also minimized since the building mass is absorbent, contrasting with steel buildings which allow noise to pass through.

DESIGN-BUILD EFFICIENCY & ACCURACY

The mechanical, electrical, plumbing and fire protection systems are being constructed on a design-build basis for faster and better coordination in the field.

UNPARALLELED SITE SAFETY

441 days of construction with zero lost time incidents (as of April 2015).

GOOD LOOKING SEISMIC SAFETY

Expansions joints on the north side of the building—disparate to the design intent—were eliminated from the design in favor of sliding bearing plates. This solution, developed in collaboration between Rudolph and Sletten and the design team, will allow key footings to move with the building during seismic events.

HIGH ACHIEVER

The project is on-track to achieve LEED Gold NC certification, with a potential for Platinum, by the US Green Building Council.





BREAKING GROUND

UC SANTA BARBARA - BIOENGINEERING BUILDING

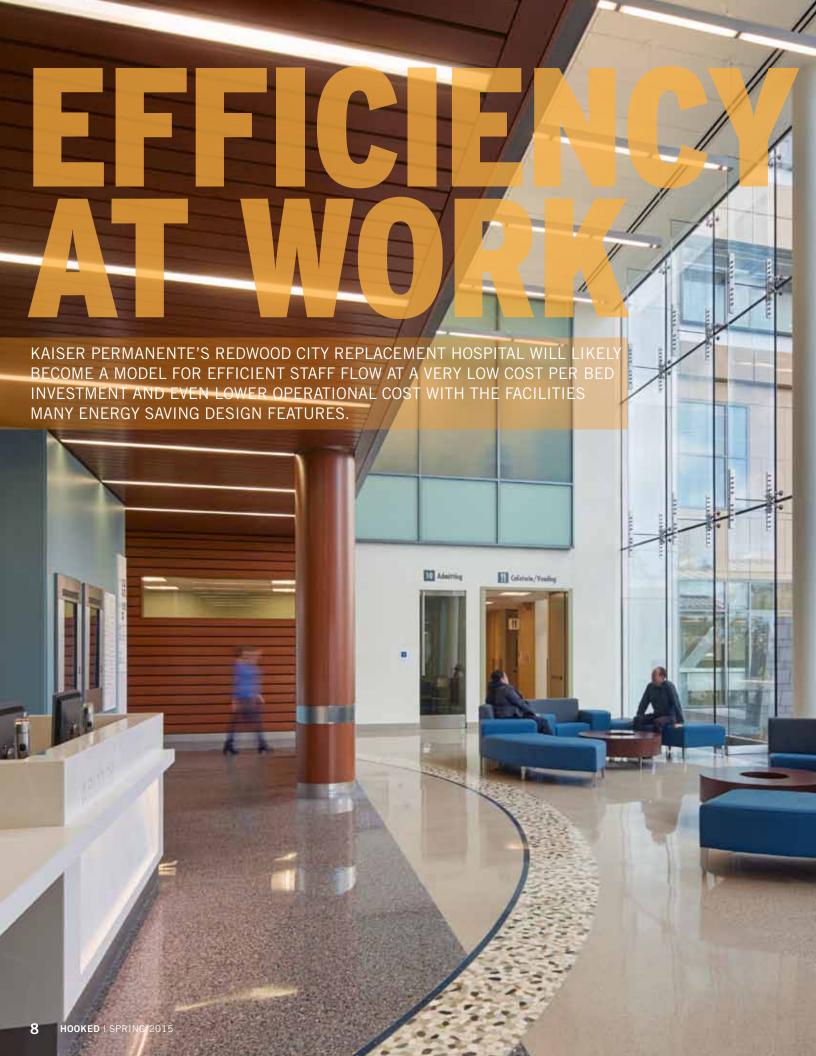
NEW RESEARCH HUB

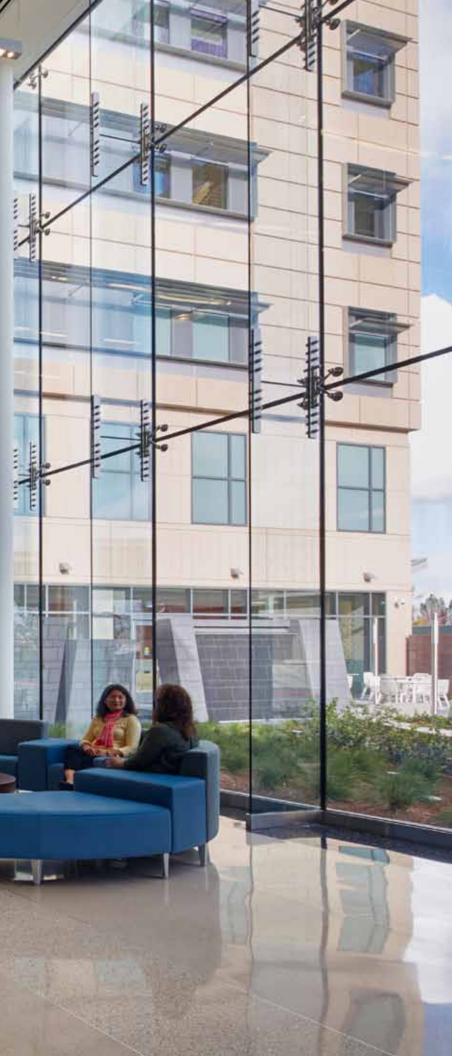
University of California, Santa
Barbara's newest research hub, the
BioEngineering Lab Building, will
house both the campus' Institute for
Collaborative Biotechnologies (ICB) and
its Center for BioEngineering (CBE),
and will include a combination of
wet labs, lab support space, and dry
computational research labs. The new
facility will set the stage for UCSB to
offer an undergraduate major and an
independent Ph.D. program.

Designed by Moore Ruble Yudell, the 89,000-square-foot, three-story plus basement multi-disciplinary research facility will support flexible research and office space for 14 faculty, 78 graduate, and 28 post-doctoral fellows.

The public center of the building features a three-story atrium, framed by administrative and departmental offices. The building will include a 100-seat auditorium.

The first phase of construction activities involved relocating all utilities and installing new lines to be tied into the existing systems. A one-day shutdown was granted by the University to limit disruption to the Davidson Library which operates 24/7 during regular campus sessions. Site excavation—with complicated dewatering system installation—will commence this Spring. Project completion is scheduled for Spring 2017.





Kaiser Permanente needed to construct an efficient hospital with a building footprint one-third smaller than similar hospitals, with the same number of beds, within the typical time required to build a non-OSHPD medical office building. The collaborative culture of the entire project team combined with creative and innovative uses of technology ensured all project goals were achieved.

aiser Permanente's Redwood City Hospital Replacement project includes the construction of new hospital, central utility plant and site utilities work. The replacement of the hospital was necessary in order to meet the seismic safety standards mandated by the State of California under SB1953.

The new 149-bed, 280,000-square-foot hospital is home to KP's Advanced Neuroscience Center for Northern California that specializes in the diagnosis and treatment of conditions including brain and spine tumor, complex spine diseases, vascular lesion and complex pain problems. The hospital also includes an emergency department, imaging department with an MRI and two CT scans, 10 operating rooms, labor and delivery rooms, ICU rooms, and procedure rooms. Other project elements of the new hospital include an enclosed garden featuring outdoor dining adjacent to the cafeteria and a meditation area.





DESIGN TEAM The replacement hospital was designed by HOK; central utility plant was designed by Polytech Associates.

Co-location of the project team during all phases, laser scanning and 3D modeling, robust staffing with highly qualified personnel, web-based project management tools, and precise and thorough planning are all service hallmarks of this successful project.

TEAMWORK PAYS DIVIDENDS

The design and construction team decided to co-locate during both design and construction phases. Co-location provided the instant, inperson communication to keep the team focused on the critical path and solving project issues. Initially wondering how he was going to keep himself busy all day, Rudolph and Sletten's Senior Superintendent found himself being asked to give feedback on proposed details well into the evening hours.

During the design and preconstruction phase—using data obtained from a topographical laser scan of the existing site—engineers developed a 3D model which essentially built the project before stepping foot on the jobsite. Our team was able to see potential conflicts and resolve them before they were constructed. Once construction began, dedicated on-site Quality Managers—required for each trade in addition to the overall project—used the 3D model to verify installation.

ADDING VALUE

During preconstruction, our team proposed an alternative skin system as part of the constructability review process. A precast curtain wall system was used as an alternative to the KP standard plaster exterior finish. The new skin system was prefabricated off site well in advance of installation, avoid schedule delays and allowing for just-in-time delivery on the restricted site. The precast system also ensured good aesthetics with less risk for water intrusion.









footprint than similar hospital with same number of beds



schedule from mobilization to completion



sustainable requirements were followed

SCHEDULE MASTERS

14 Months—That's all it took from the first piece of structural steel to the first piece of production drywall. The project achieved completion in less than 24 months with testing, commissioning and licensing following close behind. Feedback from our subcontractors is that the speed and efficiency feels more like a medical office building than an OSHPD hospital project.

HOLISTIC AND PATIENT CENTERED DESIGN

The Kaiser Permanente Redwood City Replacement Hospital was built to LEED Silver requirements, using a holistic building design. Sustainable features include water-saving fixtures, landscape plantings and digital diagnostics that require no water for image processing. The facility has an emphasis on natural light and power saving equipment, reducing electricity needs. All interior furnishing and finishes are PVC-free, formaldehyde-free and paint vapor-free.

Spacious private hospital rooms with fold-down lounges and private baths invite families and loved ones to spend the night with patients. Innovative glassed-in stairwells at each corner of the building encourage staff, visitors and patients to take the stairs and enjoy the view.

SPECIAL PROJECTS GROUP

BUILDING TO MEET YOUR NEEDS

Rudolph and Sletten's Special Projects Group is designed to serve the needs of smaller projects. The division handles projects such as interior improvements and renovations with the nimbleness of a specialty contractor backed by the extensive resources of our entire company. From the simple hanging of a door to the build-out of a new office, our Special Projects Group is designed to meet your needs and exceed your expectations.

GRAND **OPENING** IRISYS

cGMP LAB RENOVATIONS

IriSys provides contract pharmaceutical product development and manufacturing services, helping to move products from discovery to commercialization.

New lab and office space was recently completed in the Nancy Ridge life science cluster in San Diego. Renovations of the existing facility, designed by Ferguson Pape Baldwin Architects, included new office, laboratories and clean rooms, with 10,000sf of manufacturing and warehouse space. The manufacturing space is clean space of Class 10,000/ISO 7 and Class 100,000/ISO 8 with two rooms of Class 100/ISO 5. The manufacturing space is being validated by the FDA in compliance with its cGMP regulations.







GRAND OPENING

LAW OFFICE INTERIOR IMPROVEMENTS







The 16th floor interior improvement project at 275 Battery Street in downtown San Francisco included the selective remodel of the entire floor, approximately 16,000-sqare-feet of office space.

Remodel work included creating additional private offices, rebuilding the break room and seating area, new copy rooms, a new library, conference room improvements and ADA restroom upgrades. Fresh paint and carpet were installed throughout.

Managing costs is especially critical for interior improvement projects, where current conditions can often impact the final cost. We were able to achieve final buy out—including subcontractors—within 0.06% of our original fit plan estimate.

GRAND OPENING

YEAR UP

EXPANDED OPERATIONS IN DOWNTOWN SAN FRANCISCO FOR NON-PROFIT

Rudolph and Sletten recently completed interior construction for Year Up, a Bay Area one-year intensive training program that provides low-income young adults, ages 18-24, with a combination of hands-on skill development, college credits, and corporate internships.

Year Up expanded its operations in downtown San Francisco with tenant improvements on three floors at 100 Montgomery Street. Designed by Tecta Associates, the new space includes offices, classrooms, restrooms, an architectural feature staircase and a new elevator.











GRAND OPENING ECOATM - SORRENTO VALLEY OFFICE

BUILD-OUT COMPLETED IN RECORD TIME

3.5 MONTH

aggressive construction schedule



on track for LEED certification with the US Green Building Council ecoATM is the operator of a nationwide network of automated electronics recycling kiosks, located throughout San Diego County in select grocery stores and malls. Completed in a staggering three and a half months, the new 53,000-square-foot ecoATM office in Sorrento Valley will support their network of 36 machines throughout San Diego County and 1,500 throughout the US.

On track for LEED Gold certification through the U.S. Green Building Council, the interior build-out included complete mechanical and plumbing systems, a new reception area, open and closed offices on both floors, high-tech conference rooms, several break areas and—unique to ecoATM—a secure processing space for electronics.

Architecture firm Carrier Johnson and construction management firm Hughes Marino proposed an aggressive design and construction schedule, which was further accelerated after contractor Rudolph and Sletten began construction.

In order to meet the less than four month construction schedule, manpower on the project peaked at 90 workers in one day. "Close coordination with all trades, the owner's construction manager, and the architect ensured that workers could stay productive and maintain this fast-paced timeframe in a safe working environment," said Samudio.



"Throughout our history we are accustomed to performing under difficult circumstances, working together with the project team in a collaborative manner and satisfying our clients' expectations with successful results." said

our clients' expectations with successful results," said Rudolph and Sletten project executive Mike Samudio.







R&S Facilitated collaboration with stakeholders from every corner of the US



schedule to meet
JLABS 2015 opening

Designer: EwingCole

CM Firm: Serbia Consulting Group Johnson & Johnson Innovation LLC recently opened its JLABS@South San Francisco facility to its first resident startups. The 30,000-square-foot incubator can accommodate up to 50 startups from across the healthcare spectrum including biotech, pharmaceutical, medical device, consumer and digital health.

JLABS was launched with the goal of not only building capabilities within regional life science hot spots, but also supporting entrepreneurs by helping them overcome challenging discovery and development barriers.

The state-of-the-art facilities provide companies access to core research labs filled with the latest equipment; flexible, turnkey modular wet lab units; flexible space includes conference spaces equipped with the latest in audio visual and connectivity; operations teams that manage all day to day activities; and business services team that help accelerate the development of the company.

Schedule was a critical factor of this successful project, which needed to be complete in time for the JP Morgan Health Care Conference hosted in nearby downtown San Francisco. With team members scattered from the Bay Area to New Jersey, Rudolph and Sletten implement processes and procedures that kept the project moving forward and the team cohesive, always keeping an eye on the end goal—to drive innovation.





SOCIAL(LY) COMPLEX

MISSION HALL IS AN ESSENTIAL SUPPORT COMPONENT TO UCSF'S NEW MISSION BAY HOSPITALS, BRINGING TOGETHER THE ACADEMIC, CLINICAL AND SUPPORT PERSONNEL FOR THE FIRST TIME.





UCSF's vision for the 264,000-square-foot Mission Hall: Global Health & Clinical Sciences Building was to create a new hub for its growing Mission Bay campus. The building needed to consolidate dozens of departments working in leased spaces throughout San Francisco and forge a link between academic, research and medical sectors.

esigned and built by Rudolph and Sletten and WRNS Studio, the facility is an interdisciplinary, flexible, light-filled environment inspired by the latest thinking in workplace and academic design.

ADVANCED WORKPLACE DESIGN

Mission Hall's workspace design embodies the latest thinking in workplace and academic design. Offices accommodate faculty providing clinical care in the new Women's Hospital, Children's Hospital, and Cancer Center at Mission Bay. The facility houses approximately 1,500 faculty, staff, fellows, and residents in open workstations and shared activity spaces, maximizing space efficiency. Modular work spaces, hard wall huddle and focus rooms, and multiple conference rooms throughout the building accommodate the activity space needs.

A modular planning approach atop a raised floor allows for changes in technology and mechanical and electrical systems. All furnishings, data and audio-visual systems were purchased and installed by the construction team, a unique approach that supported optimum interior space planning and seamless turn-key building delivery to the University.

EXCEEDING EXPECTATIONS

A unique mesh of characteristics defined the Mission Hall's success, starting with the formation of a team with shared values about project approach and delivery. Trust was inherent in the design-build team relationship—enabling everyone's complete buy-in—driving out any singular viewpoint and generating a truly shared perspective on how to develop and deliver a winning solution.

Beginning with an intense 10-week competition, the design-build project included an array of aspirational and technical objectives to be delivered within a very limited budget and an intensely challenging schedule. The 18-month schedule—from mobilization to move-in—was linked to the opening of UCSF's new medical center, for which Mission Hall is providing programmatic support.

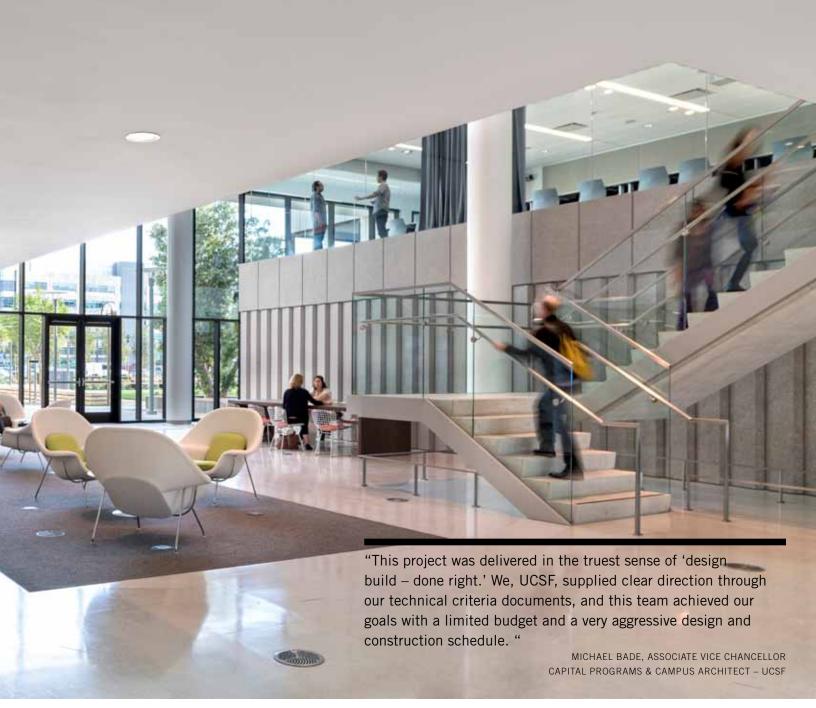
This design-build project was delivered within tight time constraints using the latest technology and Lean construction principles. Rudolph and Sletten adapted current 3D model technology for everyday management of daily quality and first-in-place inspections, reducing project risk and increasing trade partner efficiency. Collaborative planning between the design-build team and suppliers, subs and trade partners enabled the project to meet the aggressive timeline while working on the tight site in the bustling Mission Bay area.





One example of providing the best value for each dollar spent is our design for a panelized, prefabricated exterior skin system. The GFRC—metal panel and glass skin system—was prefabricated at an offsite shop into one-bay-wide and one-floor-tall panel frames. All 361 frames were delivered onsite and erected right off the trucks. Prefabricating and panelizing the skin saved approximately 15% of the total exterior skin system cost.

361 prefabricated exterior skin panels were installed directly off the delivery trucks in 4 weeks.





DESIGN-BUILD DONE RIGHT

Our team employed the Big Room concept, starting with the competition phase in WRNS Studio's office, moving to a co-located two months into design. The Big Room created an environment in which traditional boundaries between owner, architect, builder and trade specialists were blurred intentionally. Constant



communication accelerated the design and decision-making process and enhanced relationships. These efficiencies were critical to meeting the aggressive project goals. Optimizing the collaboration opportunities inherent in the design-build process, our team exceeded UCSF's extremely high standard for project delivery, performance, quality, function and urban design.



more energy-efficient than a building of similar size



schedule from mobilization to move-in



LEED registration with the US Green Building Council



ONE-STOP

community health clinic

OSHPD 3

medical clinic

60 exam rooms

EASY ACCESS

to public transportation + for pedestrians

ENERGY STAR

building + water wise features

ZERO

safety incidents during construction

Ravenswood Family Health Center (FHC), a private not-for-profit corporation, recently opened the doors to their new 2-story multi-specialty clinic in East Palo Alto, California. The 38,000-square-foot building, dubbed the John & Susan Sobrato Campus, will replace the center's current clinic facilities, housed in a modular building a few blocks away.

he new facility, designed by INDE Architecture, includes 60 exam rooms, 13 counseling rooms, conference rooms, active team areas and offices, lab and imaging areas, a pharmacy and support spaces. Clinicians will support primary care, mental health, expanded women's health, pediatric dentistry, optometry, healthcare enrollment and health education.

The exterior is constructed from concrete tilt-up panels, an economical

and durable construction type chosen in line with the non-profit's budget, which derived its funding through generous capital campaign gifts.

The design and construction of the project also integrate sustainable practices—the project is an Energy Star building. The building's concrete exterior contains recycled material, LED lighting was installed throughout, low flow restroom fixtures, solar panels mounted on the roof, bioswales that treat storm water runoff are

integrated into the landscaping and a rain water collection system reuses water for on-site irrigation.

The building's location on Bay Road provides easy access to public transportation. While also accessible by pedestrians, the City of East Palo Alto is improving the street frontage along Bay Road as part of a Federal Grant, which will greatly improve safety.



"We have been so fortunate to have Rudolph and Sletten as our General Contractor.
R&S together with their subcontractors have demonstrated tremendous pride in the quality of their work and have gone beyond the call of duty to meet our timeline within budget. We have had a real partnership and team effort building this facility together.

LUISA BUADA, RN, MPH CHIEF EXECUTIVE OFFICER

IMPROVED PATIENT EXPERIENCE

- Reduced lines and wait times
- Reduced need for off-site services
- Promoting healthy lifestyle and wellness education
- Enhanced healing environment with natural light and contagion reducing features







PROJECTS ON THE HORIZON

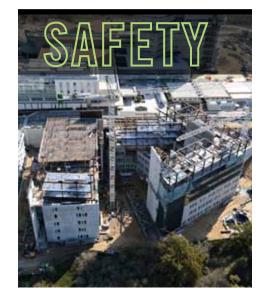


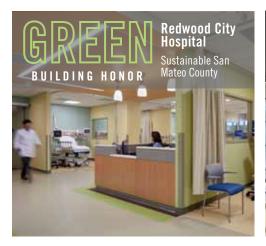
2014/15 ACHIEVEMENTS

CORPORATE RANKING & PROJECT DISTINCTIONS











CORPORATE RANKING

2014

PRESIDENT'S AWARD FOR SAFETY

CONSTRUCTION EMPLOYERS' ASSOCIATION (CEA)

GOVERNMENT BUILDING CONTRACTOR ENR CALIFORNIA 4

R&D FACILITY CONTRACTOR ENR CALIFORNIA

CALIFORNIA
GENERAL BUILDING
CONTRACTOR
ENR CALIFORNIA

CONTINUING OUR LEGACY OF SAFETY ACHIEVEMENT

Cal/OSHA Partnership Programs offers several levels of recognition to qualified companies. One of Rudolph and Sletten's San Diego jobsites was recently approved as a participant in the Voluntary Protection Program (VPP-Construction). This recognition—the highest level in the Partnership Program—distinguishes leaders in the construction industry for worker safety and health. Our continued participation is a result of maintaining these same high standards at our participating jobsites.

Cal/OSHA's evaluation team verified that the design and performance of Rudolph and Sletten's safety and health management systems remains effective in preventing or reducing the risk of serious injury or illness to all our workers at the UC San Diego Altman Clinical and Translational Research Institute (CTRI) project, thus being awarded VPP status. Rudolph and Sletten management and employees, as well as our union signatories and contractors that help us maintain safe working conditions, were recognized by Cal/OSHA for achieving this honor.

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