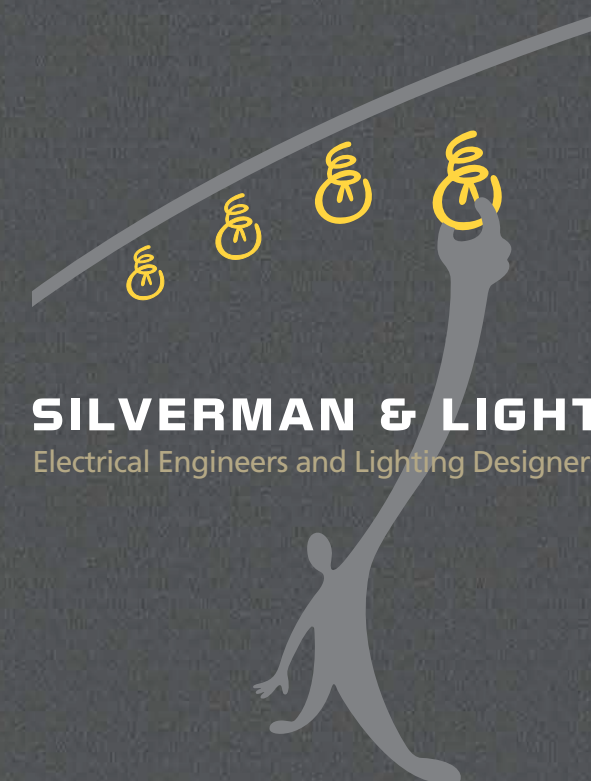




UC DAVIS HEALTH & WELLNESS CENTER



SILVERMAN & LIGHT
Electrical Engineers and Lighting Designers

Over 39 years of Electrical Engineering, Lighting Design & Innovation

For over thirty-nine years, Silverman & Light has provided award winning electrical engineering and lighting design to the industry. Established in 1976, our company has built a loyal clientele based on our ongoing commitment to client satisfaction and design excellence. Today the company has evolved into a premier 21-member multi-service engineering firm. Our capabilities include not only Power Systems and Lighting Design, but additional specialties in system design for Information Technology, Fire Alarm/Life Safety and Co-generation, Photovoltaic systems, Wind generation and Daylight harvesting. Our office is located in the city of Emeryville, one of the fastest growing cities in Northern California and within easy access to the greater metropolitan Bay Area and all of Northern California.



OUR APPROACH

At Silverman & Light, our principals collaborate with our experienced and talented staff to meet the most demanding challenges. Our proven team effort provides construction documents that are noted consistently for their high quality of engineering design and graphical presentation which is made possible by our attention to detail, uniquely responsive team approach and our use of cutting-edge design technology.

SPECIALIZATION

Our unique ability to integrate electrical engineering and lighting design enables us to collaborate with clients from conceptualization and planning phases through the final construction of projects. Our broad spectrum of experience includes the application of each of our specialties into projects for civic and community centers, site lighting and streetscapes, healthcare and biotech projects, mixed-use high-rise construction, historic renovation, institutional buildings, roadways and bridges, parking structures and retail development. Our staff of LEED® accredited professionals, have developed an extensive menu of emerging and alternative energy opportunities to explore with all of our clients. We believe that clean, renewable, efficient sources of electrical energy are not just important for the future, but essential.

BUILDING INFORMATION MODELING (BIM)

We are fully immersed in Building Information Modeling (BIM) as an extension of our engineering services. We have successfully implemented BIM for complete building modeling utilizing Autodesk Revit MEP. We combine this with specialized lighting and rendering software to provide both photometric calculations and graphical representation of the effect of lighting in architecture.

SUSTAINABLE DESIGN

Sustainability is an important aspect of our design practice for any building type. To us, sustainability is all about performance—in energy efficiency, lighting levels, user comfort and environmental impact. Our design process is based on responsible solutions, including energy efficient building systems and appropriate selection of materials to maximize environmental conditions and long-term performance. We are committed to helping our clients reduce energy and maintenance costs while reducing their environmental carbon footprints and lowering their bottom line. We seek to facilitate new solutions for change that drive responsible energy practices now and in the future.

CERTIFICATIONS

SMALL BUSINESS ENTERPRISE (SBE)
State of California

LOCAL BUSINESS ENTERPRISE (LBE)
Alameda County Transportation Commission

LSMALL /LOCAL EMERGING BUSINESS ENTERPRISE (SLEB)
Alameda County

LEED® CERTIFIED PROJECTS



CENTRO 1331
BERKELEY, CA
LEED® GOLD



CSU NORA & HASHEM
NARAGHI HALL OF SCIENCE
BUILDING
STANISLAUS, CA
LEED® SILVER



FREIGHT & SALVAGE
COFFEE HOUSE
BERKELEY, CA
LEED® GOLD



UC MERCED
STUDENT HOUSING
SAN FRANCISCO, CA
LEED® SILVER



BETTY IRENE MOORE
NATURAL SCIENCE BUILDING
MILLS COLLEGE
OAKLAND, CA
LEED® PLATINUM



PRESENTATION WELCOMING
CENTER AND DINING HALL
LOS GATOS, CA
LEED® GOLD



UC DAVIS HEALTH & WELLNESS
STUDENT CENTER
DAVIS, CA
LEED® SILVER



UC BERKELEY DURANT HALL
BERKELEY, CA
LEED® SILVER



CSU MONTEREY
TANIMURA & ANTLE FAMILY
MEMORIAL LIBRARY
MONTEREY, CA
LEED® SILVER



LORRY I. LOKEY GRADUATE
SCHOOL OF BUSINESS -
MILLS COLLEGE
OAKLAND, CA
LEED® GOLD



UC DAVIS SEGUNDO
STUDENT CENTER
DAVIS, CA
LEED® SILVER



PALO ALTO ARTS CENTER
PALO ALTO, CA
LEED® SILVER

PRINCIPALS



PRESIDENT
JOE BAZZELL, P.E.

Joe has over 27 years of proven experience in electrical engineering has provided the leadership skills to direct very complex and multi-disciplinary projects. He has a strong background and extensive experience in California healthcare projects specializing in large hospitals, Medical Office Buildings (MOB) and Central Utility Plants (CUP). His electrical engineering expertise is in the areas of power distribution design, analysis and specification, control system design, telecommunications systems design, with implementation in the medical, bio-pharmaceutical, semiconductor, industrial, and power utility areas. His work experience includes low, medium, and high voltage power systems, load analysis, short circuit analysis and protection coordination. In his role as Principal, he is responsible for all engineering activities from conceptual and schematic design, detailed design, start-up, and construction field support.



VICE-PRESIDENT
SCHULHOFF TAM, P.E.

Schulhoff has been with Silverman & Light since 2003. He is a professional engineer with 23 years of experience in all aspects of electrical engineering. He has a strong background as an electrical engineer and project manager for all types of projects, including healthcare, residential, biotech pharmaceutical, data centers, and projects with highly sensitive environmental challenges. His responsibilities include project management for construction documentation along with facilities startup. He is experienced in electrical construction support, facilities management, field inspection, specifications, engineering proposals, cost estimates, client coordination, and material takeoffs.



PRINCIPAL
MIKE GILL, P.E.

Mike has been actively involved in the electrical industry for over 45 years. Through efficient project management, budget accountability, and dedicated follow-through, Mike can complete projects that satisfy the client both creatively and professionally. As principal, he has been managing and directing the design and engineering for projects that include commercial office buildings, educational facilities, mixed-use high-rise buildings, laboratory, healthcare, hotel, and data center facilities. His expertise includes the complete design of electrical and communication systems consisting of high voltage site distribution, normal and emergency power. His experience also includes grounding, single and paralleled generators, UPS Systems, interior and exterior lighting, lighting control, Fire Alarm, Nurse Call, MATV, and Security.



PRINCIPAL EMERITUS
CAROL LIGHT, P.E.

As Treasurer and Principal, Carol has provided her knowledge and experience in all aspects of electrical engineering to the industry for over 30 years. Her expertise has extended to a broad range of projects, which include healthcare, public office space, education facilities, transportation, commercial, residential, and government buildings. She is involved in all phases of design and documentation from Schematic Design (SD) through Construction Administration (CA). Her background in architecture gives her a unique and unusually qualified perspective, which allows her to see the architectural vision as well as the lighting aesthetics. Carol has proven her ability to work with government agencies at the federal, county, and city levels. She is experienced with the implementation of the Office of Statewide Health Planning and Development (OSHDP) requirements on projects ranging from full hospital design, Central Utility Plant (CUP), and specialty hospital departments such as operating and radiology suites. She is an expert in current engineering standards and codes and uses this knowledge to design systems for new and historical renovation projects of all types ranging from high-rises that shape city skylines to bridges that connect cities.



FOUNDER/PRINCIPAL EMERITUS
CHUCK SILVERMAN, P.E.

Chuck is the founding partner of Silverman & Light, Inc., a bay area electrical engineering and lighting design firm established in 1976. Over the course of his leadership at Silverman & Light he has acquired vast experience in the design and implementation of electrical engineering, lighting, and energy in just about every type of building imaginable. He is licensed as both an Electrical and Control Systems Engineer and is an accomplished Lighting Designer. He has particularly extensive experience in healthcare buildings of all kinds, commercial office space, and educational buildings.

Over the past 10 years, he has become obsessively engaged in energy efficiency and has managed, championed, and implemented projects for Lighting Efficiency Retrofits, Photovoltaic systems, combined heat and power Co-generation, and Fuel Cells. He has become a voracious researcher of alternative energy and is proficient at applying financial analysis techniques to current and emerging energy technologies, methods and applications. He is a trained in EPA/DOE ENERGY STAR Benchmarking and Target Finder, and accomplished as an energy auditor. All of his efforts start with a solid business case model and maintain that focus throughout the process.

Chuck’s greatest satisfaction has come from his collaborative process of identifying the client’s needs and achieving a consensus between all the entities involved from owners and users to public administrators. His sincere interest in the people involved in the projects as well as the business itself creates the necessary positive dynamics for success.

SPRINGLAKE VILLAGE SANTA ROSA, CA

CLIENT / PERKINS EASTMAN

Silverman & Light provided complete Electrical Engineering and Lighting Design for this new \$63.5 million project. The project consisted of the modification and expansion of the existing Spring Lake Village senior living community care facility. The development included 62 new senior-living residential units, some with underground parking. The changes to the 26-acre main campus included the replacement of the existing one-story auditorium with a two-story building. This building includes a wellness/fitness center, an enclosed pool area on the ground floor, and a new auditorium at the upper level. The project also included the conversion of an apartment building into a memory care center, and modifications to the existing Village. The project was completed in the fall of 2014.



TAHOE CITY TRANSIT CENTER TAHOE CITY, CA

CLIENT / WRNSSTUDIO

Silverman & Light provided complete Electrical Engineering and Lighting Design for this new \$6.5 million, Intermodal Transit Center. The new center is a state-of-the-art facility featuring six bus bays, a 1,100-square-foot terminal with an indoor, heated waiting area. It also has restrooms and a covered outdoor waiting area with bench seating, on-site parking, and enclosed bike lockers. The photovoltaic system on the roof converts the abundant sunlight into electricity. The lighting system surpassed the energy code baseline by 15%. The project was the winner of the Western Red Cedar Architectural Design Award and was one of the winners of the AIA 2013 Small Project Award. The Center opened for business in the fall of 2012.



THE INTERNATIONAL CENTER TO END VIOLENCE BUILDING 100 SAN FRANCISCO, CA

CLIENT / WRNSSTUDIO

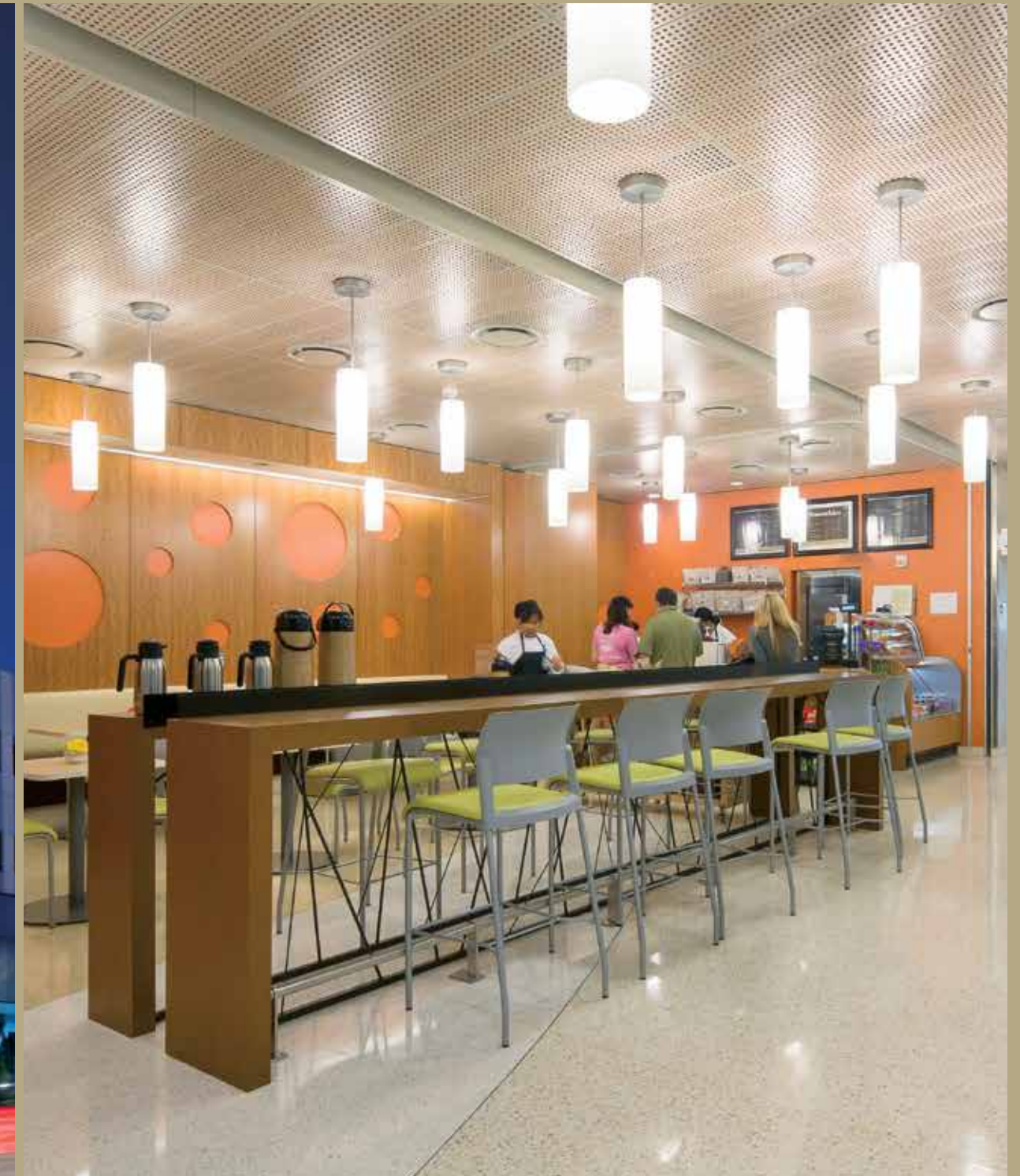
The International Center to End Violence, Presidio Building 100, San Francisco, CA. The project consisted of renovating the 3-story, 30,000 square foot of Building 100 which is a registered historic building and the addition of a new 1-story, 3,150 square foot building. Silverman & Light 's scope included complete electrical engineering and lighting design for both the interior spaces and exterior site and landscaping. The project was completed in January of 2012 at a cost of \$18 million and is seeking LEED Silver certification.



KAISER PERMANENTE OAKLAND MEDICAL CENTER OAKLAND, CA

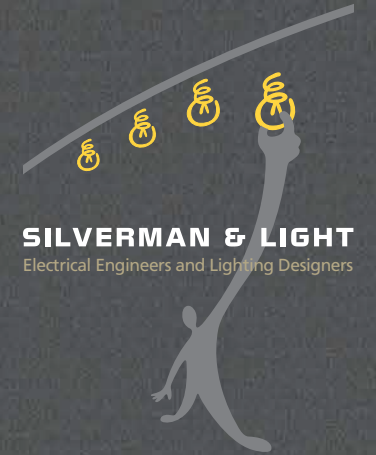
CLIENT / KAISER PERMANENTE

Silverman & Light provided complete electrical engineering and lighting design for this new \$577 million, 680,000 square foot replacement hospital and a 275,000 square foot Specialty Medical Office Building (SMOB). The new hospital design is a twelve-story tower, which includes a three-story podium and an eight-story bed tower that accommodates approximately 349 beds. The attached new 237,000 square foot SMOB provides clinic space and interventional radiology as well as an outpatient surgery suite to support the adjacent new hospital building. The project was completed in late 2014.



Changing the Way We Light Your World

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CARQUINEZ BRIDGE, VALLEJO, CA