

arcca

architecture california
the journal of the american institute of architects
california council

UC Irvine Contemporary Arts Center,
Ehrlich Architects

CONTEMPORARY ARTS CENTER



Content

2011 AIACC Maybeck Award	06	
2011 AIACC 25-Year Award	08	
2012 Council Firm Award	10	
2012 Council Distinguished Practice Award	12	
2011 Architecture Awards	14	
2011 Interior Architecture Awards	26	
2011 Small Project Awards	28	
2011 Urban Design Awards	30	
2011 SBD Awards	33	
	03	Comment / Awards Intro
	42	... and Counting

arcCA, the journal of the American Institute of Architects California Council, is dedicated to exploring ideas, issues, and projects relevant to the practice of architecture in California. **arcCA** focuses quarterly editions on professional practice, the architect in the community, the AIACC Design Awards, and works/sectors.

arcCA

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arcCA is published quarterly and distributed to AIACC members as part of their membership dues. In addition, single copies and subscriptions are available at the following rates:

Single copies: \$6 AIA members; \$9 non-members.

Subscriptions (four issues per year): \$24 AIA members;

\$15 students; \$34 non-members, U.S.; \$38 Canada; \$42 foreign.

Subscriptions: arcCA, c/o AIACC, 1303 J Street, Suite 200, Sacramento, CA 95814, www.aiacc.org

Advertising: 877.887.7175.

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CONSTRUCTION ENR
Regional Publications

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Lori Reed

“Where’s the beef?” If you’re looking for editorial content other than the awards, relax and open up your laptop. This is the vegetarian edition of **arcCA**; the meat is now on the web—the newly refreshed AIACC.org. But fear not; this is not the last edition of **arcCA** that you will ever hold, on paper, in your hand. In 2012, you can count on two issues, both of which will be definite keepers. The first, at mid-year, will be a focused practice resource; the second, at year’s end, will gather the Best Of AIACC.org and the annual awards.

Meanwhile, you will find that the AIACC homepage will have four blogs—“The Value of Design,” “The Scope of Practice,” “Public Advocacy,” and “Emerging Professionals”—each incorporating three modes of articles: current, news-worthy items; strategic, forward-looking investigations under the **arcCA** brand; and regular “columns” by noted experts. At the end of each article is an opportunity for you to respond. We will be counting on your feedback to help us determine the contents of the Best Of issue of the printed journal, as well as to guide our ongoing assignments.

You will also find a new, public page, introducing the architectural riches of California to the world at large; and a prominent link to the California Architectural Foundation, our liaison with the state’s architecture schools.

Thus, we enter the 21st century in 2012—not bad for a member-governed organization! We owe a big-ol’ “Thank you!” to Mike Malinowski, AIA, 2009-10 AIACC Vice President of Communications/Public Affairs, for initiating the process that reoriented us toward web-based communication and led to the rebuilding of our website on an agile, WordPress platform; and to Evelyn Lee, AIA, current VP for Communications/Public Affairs, who brings deep expertise in social media to guide our progress.

The **arcCA** Editorial Board also extends our warm thanks to Lori Reed, outgoing AIACC Director of Communications/Public Affairs, who has provided thoughtful organization and follow-up—and much good cheer!—to our quarterly meetings, along with her many other fine contributions to AIACC.

Spend some quality time in these pages with the distinguished individuals, firms, and projects honored by these awards . . . then crank up that browser and look for my smiling face in the new year at AIACC.org.

With all best wishes for 2012,



Tim Culvahouse, FAIA
Editor-in-Chief
AIA California Council

Extending the Thanksgiving mood (I’m writing this comment on the Monday before Turkey Day), we note with appreciation the hard work of the juries for the 2011 Design Awards:

Architecture, Interior Architecture, Small Projects, 25-Year, Maybeck

Anne Fougeron, FAIA - Fougeron Architecture
Kevin V. O’Brien, AIA - Pfeiffer Partners Architects, Inc.
Clifford Pearson - *Architectural Record*
Norman Strong, FAIA - Miller Hull
Cynthia Weese, FAIA - Weese Langley Weese

Urban Design

David Berkson, ASLA - SWA Group
Brian Fletcher, ASLA - Callander Associates
Frank L. Fuller IV, FAIA - Field Paoli
Lee I. Lippert, AIA - Lippert & Lippert Design
Stephanie Reich, AIA - City of Glendale, Planning Division
Andy Spurlock, FASLA - Spurlock Poirier
Landscape Architecture

Finalists for the Firm Award and Distinguished Practice Award were selected by the Achievement Awards Committee and the winners were chosen by the AIACC Board of Directors.

Achievement Awards Committee

Julie Eizenberg, AIA - Konig Eizenberg
Regan Martin, AIA - The Design Partnership
Ronald L. Verdier, AIA - *Verdier* Architects

2011

AIACC AWARDS



- . Maybeck Award
- . Twenty-five Year Award
- . Firm Award
- . Distinguished Practice Award
- . Architecture
- . Interior Architecture
- . Small Projects
- . Urban Design
- . Savings By Design

2011 AIACC Maybeck Award



MAYBECK AWARD:

Steven D. Ehrlich, FAIA, RIBA



above, FNC Parliament Building Complex, Abu Dhabi, United Arab Emirates, 2015 (anticipated); rendering by bioLINIA;
Steven Ehrlich, photo by Douglas Kirkland
opposite left, 675 West Kendall Street Biotech Research Lab, Cambridge, Massachusetts, 2002; photo by Ed Wonek
opposite right, 700 Palms Residence, Venice, California, 2004; photo by Erhard Pfeiffer

The Maybeck Award recognizes outstanding achievement in architectural design as expressed in a body of work produced by an individual architect over the course of a career.

In more than thirty years of practicing architecture with his Los Angeles-based firm, Ehrlich Architects, Steven Ehrlich has developed an approach to design whose hallmark is the flexible integration of modern form and new technologies with influences from ancient traditions.

Ehrlich's design philosophy, which he calls Multicultural Modernism, began to evolve during six post-university years of practicing and teaching architecture in Morocco and West Africa in the 1970s. During this time, he observed the ways that indigenous buildings shared an economy of means and sustainable strategies for adapting to their harsh climates. He also admired how African towns fulfilled social needs and expressed deeply held cultural values of their communities.

Returning to the United States in the late seventies to establish his practice in Southern California, Ehrlich began to fuse the formative ideals he learned as an "architectural anthropologist" in Africa with the dynamic influences of Los Angeles, which he calls "the incubator of change."

For the first ten years, working within the continuum of California modernism on primarily residential commissions, he explored the connection between indoor-outdoor spaces with transformational technologies that allowed spaces to open and close.

Ehrlich expanded his practice in its second decade into the realm of public and civic projects. Stimulated by the diversity of Los Angeles's melting pot, he sought to bring people together through innovative gathering spaces in schools, libraries and office buildings.

In the new millennium, Ehrlich's firm has become a global practice. He continues to travel widely, working in Asia, Africa, and the Middle East, refining his inclusive multi-cultural philosophy of design. Through lectures and teaching, he is able to share his work and vision with students and professionals around the globe. ●



Selected Work

KALFUS STUDIO 1981

Los Angeles, CA
 Art Studio and Guest House adjacent to 1950 house by Richard Neutra

SCHULMAN RESIDENCE 1992

Brentwood, CA
 Single Family Residence

PAUL CUMMINS LIBRARY - CROSSROADS SCHOOL 1996

Santa Monica, CA
 Educational Library

ADDITION TO NEUTRA BEACH HOUSE 1998

Santa Monica, CA
 New wing built on adjacent lot

675 WEST KENDALL STREET 2002

Cambridge, MA
 Biotech Research Laboratory/ Retail at ground level

700 PALMS RESIDENCE 2004

Venice, CA
 Single Family Sustainable Residence

HELAL "NEW MOON" RESIDENCE 2007

Dubai, UAE
 Single Family Residence

ASU WALTER CRONKITE SCHOOL OF JOURNALISM & MASS COMMUNICATION 2008

Phoenix, AZ
 Journalism School, Broadcasting Facilities and Retail at ground level

ZEIDLER RESIDENCE 2008

Aptos, CA
 Single Family Residence

CITY PLACE LOFTS 2009

Santa Ana, CA
 75 Live-Work Lofts

331 FOOTHILL BOULEVARD 2011

Beverly Hills, CA
 City Owned Office and Retail Building including the City's Cable-TV station

POMONA COLLEGE STUDENT HOUSING 2011

Claremont, CA
 Sustainable Residence Halls

In progress:

LA Valley College Performing & Media Arts Center
 Valley Glen, CA, 2013

John M. Roll United States Court House

Yuma, AZ, 2012

FNC New Parliament Building Complex

Abu Dhabi, UAE, 2015

ASU School of Earth and Space Exploration - ISTB 4

Tempe, AZ, 2012

2011 Council Twenty-Five Year Award



TWENTY-FIVE YEAR AWARD:

Monterey Bay Aquarium Monterey

above and below: photo by Peter Aaron, ESTO



The AIACC Twenty-Five Year Award recognizes buildings between twenty-five and fifty years old that have stood the test of time, remaining vital and beloved, continuing in service of their original purpose.

The Monterey Bay Aquarium is precisely such a building, a delight to architects and engineers, marine scientists, educators, and the casual visitor, both young and old. Departing from the typical black-box model, it is a light-filled ensemble of diverse spaces, unique among aquaria in its interweaving of indoors and out. Built half over land and half over the water, it embraces views of the Bay whose ecosystem it celebrates.

In appearance, the Aquarium is the rare building that is frankly contemporary while gracefully complementing its historic context. As the 1988 American Institute of Architects Honor Awards Jury commented, "With great spirit, humility, nobility, and intelligence, this poetic waterside aquarium celebrates both the life in the sea and the life its coastal community has drawn from the sea. It is completely unpretentious and unselfconscious, drawing people to its sympathetic and respectful portrayal of sea life through the power of its Cannery Row imagery."

The Aquarium is also a technical masterwork. In *Architecture: the Story of a Practice* (1992), Dana Cuff wrote, "Technically the aquarium is the most advanced of its kind.... As conceived from the very beginning, [it] had virtually no precedents, either in terms of exhibitions, their organization or technical systems." The building's construction is equally sophisticated. Seawater is among the most corrosive substances in the



world, and its use led to many innovative construction solutions.

The Aquarium also represents an exemplary partnership of client and architect. The client, David Packard (of Hewlett Packard), was himself an engineer and was bold, insightful, and demanding; his wife Lucille contributed a keen eye for color and materials. Their two daughters, both marine biologists, were driving forces in the aquarium's development; Julie Packard remains its executive director. She recently wrote, "Over the past twenty-five years, there has been a proliferation of aquariums throughout the world. Many of them look and feel like the Monterey Bay Aquarium, because they have been influenced by its design. Chuck Davis's design changed the way people think about aquariums, which allowed the Monterey Bay Aquarium to change the way people think about the ocean." ●

ARCHITECT: EHDD Architecture

CONSTRUCTION MANAGERS: Rudolph & Sletten, Inc.

STRUCTURAL/CIVIL/GEOTECHNICAL ENGINEER: Rutherford & Chekene

MECHANICAL ENGINEER: Guttman & Blaevoet (formerly Guttman & MacRitchie)

ELECTRICAL ENGINEER: Cammisa & Wipf

CONTROL SYSTEMS ENGINEER: Pipeline Systems, Inc.

ACOUSTICAL CONSULTANT: Charles M. Salter Associates

LIGHTING CONSULTANT: Architectural Lighting Design

EXHIBIT DESIGNER: MBA Exhibit Design

left top: photo by Steve Proehl Studios

above right top: photo by Peter Aaron, ESTO

above right: photo by Steve Proehl Studios



FIRM AWARD:

Mark Cavagnero Associates

www.cavagnero.com



above, Community Foundation of Santa Cruz, 2010; photo by Tim Griffith
left to right: Principals Laura Blake, Mark Cavagnero, and Kang Kiang;
photo by Matthew Millman

The Firm Award is the highest honor bestowed on an architectural firm by the AIACC. It recognizes firms who have consistently produced distinguished architecture for a period of at least ten years.

Established in 1988, Mark Cavagnero Associates is known for the design of elegant, well-crafted civic and institutional buildings that elevate community identity. The high quality and subtle integration of the firm's work, which has received more than fifty local, state, and national design awards, has led to its being entrusted with the rehabilitation of a series of architectural landmarks. These include the California Palace of the Legion of Honor in San Francisco, the Oakland Museum of California (originally designed by Kevin Roche), the Marin Civic Center (by Frank Lloyd Wright), and the Graduate Theological Union Library in Berkeley (by Louis Kahn).

These sensitive additions to beloved buildings are characterized by clarity of form, durability of materials and construction, and expansiveness of light and volume. The same qualities distinguish the ground-up work of the firm, exemplified in the Trinity School Enrichment Center, Menlo Park; the Community School of Arts and Music, Mountain View; and San Francisco's Sava Pool, a joint venture with Paulett Taggart Architects.

To maintain a cohesive vision and a consistent level of care over the long time span typical of such community-intensive projects (the Sava Pool, for example, developed over a period of nine years), Mark Cavagnero and principals Laura Blake and Kang Kiang have established



a solid tradition of mentorship, enabling the firm's core values and principles to take hold, thus encouraging shared commitment among the staff of thirty.

Mark Cavagnero Associates has been recognized previously with the 2011 AIACC Distinguished Practice Award. In 2010, the firm ranked #14 in *Architecture* magazine's ranking of the top Architecture/Engineering/Construction (AEC) firms in the country, based on ecological commitment, design quality, and profitability; it ranked #5 among top award-winning firms. ●



above, ODC Theater Center, San Francisco, 2011; photo by Michael David Rose
 right top, Oakland Museum of California Renovation, 2010; photo by Tim Griffith
 right bottom, Park City Museum, Park City, Utah, 2009; photo by Tim Griffith

2012 Distinguished Practice Award



DISTINGUISHED PRACTICE AWARD:

David Baker + Partners

www.dbarchitect.com



The AIACC Distinguished Practice Award recognizes significant accomplishments in a specific building type or practice area, as well as an architect's responses to challenges, innovations within the design and construction process, design excellence, and collaborative spirit.

Established in 1982, David Baker + Partners (DB+P) is best known for the design of environmentally and socially sustainable affordable housing that fosters a lively sense of community. Working with partners Peter MacKenzie and Kevin Wilcock, founder David Baker, FAIA, has pioneered tactics that have significantly changed the way planners, developers, tenants, and neighbors approach such projects. The firm's primary tactic is thinking not outside the box, but outside the *building*: conceiving of the project as part of the holistic fabric of the block, neighborhood, or city.

The firm has received more than 150 national and local design awards, including most recently two national Housing Awards from the American Institute of Architects (AIA), for Tassafaronga Village in Oakland, California, and Armstrong Place Senior + Family Housing in San Francisco; an AIA/HUD Secretary's Award for Excellence in Affordable Housing Design for Paseo Senter in San Jose; and an Award of Excellence from the Home Depot Foundation for Folsom + Dore Supportive Apartments in San Francisco, recognizing "Affordable Housing Built Responsibly."

The work of the firm is characterized by the integration of simple, dependable, energy conserving practices, with provision for future



enhancement as technologies continue to develop. Embracing emerging, sustainable materials and systems, DB+P crafts colorful, multi-use urban communities, which bring vitality to their surroundings.

David Baker travels widely, giving lectures on green, high-density housing and leading awards juries, design charrettes, and workshops on creative solutions to the increasingly dire problem of carbon footprint. The firm has been an early and continuing participant in the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Pilot Programs, and it supports its creative staff in acquiring LEED Accredited Professional education, to create an ongoing legacy of humane and sustainable practice among the architects and designers of the future. ●



left page top: Armstrong Place Senior + Family Housing, San Francisco, 2010; photo by Brian Rose

left page bottom: David Baker, FAIA; photo by Brandon Loper

top left: Tassafaronga Village, Oakland, 2010; photo by Brian Rose

top right: 888 Seventh Street, San Francisco, 2008; photo by Brian Rose

right: Curran House, San Francisco, 2005; photo by Brian Rose

HONOR AWARD FOR ARCHITECTURE

Giant Interactive Group Corporate Headquarters Shanghai, China

ARCHITECT:
Morphosis

LOCAL DESIGN INSTITUTE: MAA Engineering Consultants
(Shanghai) Co., Ltd.

LOCAL ARCHITECT: SURV (Shanghai)

GENERAL CONTRACTOR: China State Construction Engineering
Company 3rd Bureau

STRUCTURAL ENGINEERS: BaoYe; MAA Engineering Consultants
(Shanghai) Co. Ltd.; Thornton Tomasetti Group, Inc. (concept design)

MECHANICAL & ELECTRICAL ENGINEERS: IBE Consulting Engineers
(concept design); MAA Engineering Consultants (Shanghai) Co. Ltd.

LANDSCAPE ARCHITECT: SWA Group

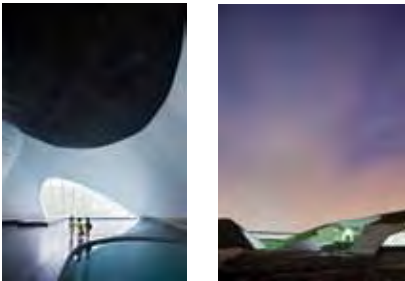
LOCAL LANDSCAPE ARCHITECT: TOPO Design Group

ARCHITECTURAL LIGHTING DESIGN: Heather Libonati, LC,
LuminesceDesign

Photos: Iwan Baan

The project is a compact corporate village that accommodates diverse functions—offices, library, auditorium, exhibition space, café, fitness spaces, and a company guest hotel—in a flexible framework of forms that move in and out of a folded landscape plane. Situated amid existing canals and a new manmade lake, the undulating office building joins architecture to landscape and environment to site.

The project maximizes both energy efficiency and occupant comfort. The West Campus's landscaped green roof provides thermal mass, which limits heat gain and reduces cooling expenditures. The façade's double skin and insulated glass curtain wall minimize solar heat gain and improve overall efficiency. The central circulation spine, recreational amenities, and plazas provide opportunities for chance encounters and places for employees to gather without the confines of cubicles or unnecessary divisions. The narrow profile of the office building, combined with a system of skylights, ensures that employees have continuous access to natural daylight.



HONOR AWARD FOR ARCHITECTURE

University of California,
San Francisco
Ray and Dagmar Dolby Regeneration
Medicine Building

ARCHITECT:

Rafael Viñoly Architects PC

OWNER: University of California, San Francisco

OWNER'S REPRESENTATIVE: Nova Partners, Inc.

ARCHITECT OF RECORD: SmithGroup

DESIGN/BUILD CONTRACTOR: DPR Construction

LABORATORY PLANNING CONSULTANT: GPR Planners

STRUCTURAL ENGINEER (DESIGN): Nabih Youssef Associates

STRUCTURAL ENGINEER OF RECORD: Forell/Elsesser Engineers, Inc.

MECHANICAL/PLUMBING/FIRE ENGINEER (DESIGN): Gayner Engineers

MECHANICAL/PLUMBING/FIRE ENGINEER OF RECORD:
ACCO Engineered Systems, Inc.

ELECTRICAL ENGINEER (DESIGN): Cammisa and Wipf

ELECTRICAL ENGINEER OF RECORD: Cupertino Electric, Inc.

CIVIL ENGINEER (DESIGN): Sandis

CIVIL ENGINEER OF RECORD: Creegan & D'Angelo

LANDSCAPE ARCHITECT (DESIGN): CMG Landscape

LANDSCAPE ARCHITECT OF RECORD: Carducci & Associates, Inc.

COMMISSIONING AGENT: Glumac

Photos: Bruce Damonte Photography, Inc.

Believing that a horizontal scheme is best for lab organization and research collaboration, the architect found a way to plan a horizontal building despite the challenging site. The main floor functions as one continuous laboratory divided into four split levels, each stepping down a half-story as the building descends the forested mountain slope, and each topped by an

office cluster and a green roof. Exterior ramps and stairs, taking advantage of the temperate climate, provide continuous circulation among all levels, and the facility connects to three nearby research and medical buildings via a pedestrian bridge. The building structure is supported by cantilevered steel columns resting on concrete piers, minimizing site excavation and incorporating seismic base isolation to absorb earthquake forces.

Inside the building, the transitions between the levels are hubs of activity. Break rooms and stairs located at these interfaces increase the potential for chance interaction, and interior glazing maximizes visual connectivity between the lower labs and the upper offices. To further promote collaboration, the laboratories occupy a horizontal open-floor plan.



MERIT AWARD FOR ARCHITECTURE

Los Angeles Museum of the Holocaust (LAMOTH)
Los Angeles

ARCHITECT:
Belzberg Architects

GENERAL CONTRACTOR: Winters Schram Associates
STRUCTURAL ENGINEER: William Koh & Associates
MECHANICAL ENGINEER: John Dorius & Associates
ELECTRICAL ENGINEER: A&F Consultants
PLUMBING ENGINEER: Tom Nasrollahi

LANDSCAPE ARCHITECT: Karla Dakin & Lisa Benjamin
Photos: Iwan Baan

The sounds and sights of kids playing in the park and families picnicking gradually disappear as visitors descend a long ramp into the museum. Spaces contract and light fades in the passage to the darkest, most isolated room of the museum, focusing on the concentration camps, before ascending once again to the comfort of familiar space and the open park.



MERIT AWARD FOR ARCHITECTURE

Apple Store, Covent Garden
London, United Kingdom

ARCHITECT:
Bohlin Cywinski Jackson

EXECUTIVE ARCHITECT: MPA Architects
GENERAL CONTRACTOR: Faithdean PLC
STRUCTURAL ENGINEER: Eckersley O'Callaghan Structural Engineers
M/E/P ENGINEER: Buro Happold

LIGHTING DESIGNER: ISP Lighting Design
HISTORICAL CONSULTANT: Julian Harrap Architects
Photos: Roy Zipstein

The Apple Store, Covent Garden occupies the first three levels of a nineteenth century hotel and adjacent warehouse building facing Inigo Jones' market square in London's West End. It respects and restores the original building fabric as a site-specific backdrop for the products on display, brings order and unity to the highly compartmentalized interior, and reinforces the contrast between old and new.



MERIT AWARD FOR ARCHITECTURE

Lofts at Cherokee Studios
Los Angeles

ARCHITECT:
Brooks + Scarpa

CLIENT: ReThink Development, Inc.
GENERAL CONTRACTOR: JT Builders
STRUCTURAL ENGINEER: BPA
M/E/P ENGINEER: Cobalt Engineering
ENVIRONMENTAL CONSULTANTS: Albert Bicol, Cobalt, and Greg Reitz, ReThink

FAÇADE CONSULTANT: CR Laurence, Inc.
LANDSCAPE: FormLA
Photos: John Edward Linden

Cherokee Mixed-Use Lofts is an urban infill, market rate housing project. Inspired by a series of paintings by British artist Patrick Hughes, its façade is made up of moveable, perforated, anodized aluminum panels. This ever-changing screen sparkles in the sun and glows at night, while providing shade, reducing noise, and enhancing privacy. It is the first LEED Platinum (pending) building in Hollywood.



MERIT AWARD FOR ARCHITECTURE

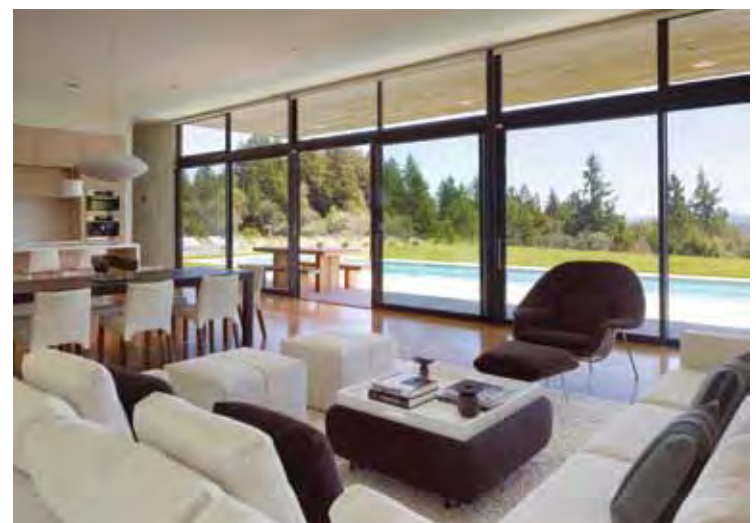
Westside Road Private Residence
Healdsburg

ARCHITECT:
Dowling Studios

GENERAL CONTRACTOR: Paul White Construction, Inc.
STRUCTURAL ENGINEER: Eric Kreager
GREEN BUILDING CONSULTANT: Gilleran Energy Management
LANDSCAPE CONTRACTOR: Dexter Estate Landscapes

Photos: Matthew Millman Photography

Conceived as a pre-fab/site-built hybrid—utilizing the efficiencies of a pre-fabricated, panelized framing system incorporated into custom, site-built construction—the project is an experiment in green living and a laboratory for learning, testing, and teaching sustainable building concepts within a modern aesthetic framework. The house was positioned to face true south to take advantage of the most efficient solar orientation, while commanding expansive views of the Russian River Valley.



MERIT AWARD FOR ARCHITECTURE

Schindler House on Ellis Avenue Inglewood

ARCHITECT:
Ehrlich Architects

CLIENTS: Joel Bell and Onna Ehrlich-Bell

GENERAL CONTRACTOR: Shramek Building Co.

LIGHTING: David Silverman & Associates, Inc.

LANDSCAPE ARCHITECT: Hammerschmidt & Lidow,
Landscape Design

Photos: Grant Mudford

This two-bedroom house, originally designed by Rudolf M. Schindler in 1939, is one of three single-story plaster-façade homes by Schindler on this street. The architects' intention was to honor and conserve the vocabulary of Schindler's work, while adding modern amenities for contemporary living. Extensive new drought-resistant landscaping forms a communal gathering place with the neighboring Schindler-designed home.



MERIT AWARD FOR ARCHITECTURE

San Francisco International Airport Terminal 2 Renovation Burlingame

ARCHITECT:
Gensler

Photos: Nic Lehoux

This renovation and expansion of the airport's original 1950s terminal balances the needs of building performance and passenger delight, highlighting unique artwork by world-renowned artists. The ticket lobby is designed to be warm and inviting, more like a hotel lobby than a traditional civic building. The renovation is the first LEED Gold registered airport terminal in the United States.



MERIT AWARD FOR ARCHITECTURE

**St. Thomas the Apostle School
Los Angeles**

ARCHITECT:
Griffin Enright Architects

CLIENT: St. Thomas the Apostle School
LIGHTING DESIGN: Revolver Design
GENERAL CONTRACTOR: Del Amo Construction, Inc.
STRUCTURAL ENGINEER: Seneca Structural Engineering, Inc.
CIVIL ENGINEER: KPFF Consulting Engineers
M/E/P ENGINEER: Antieri & Haloosim Consulting Engineers, Inc.

ACOUSTICAL CONSULTANT: Arup Acoustics
PARKING GARAGE CONTRACTOR: Covi Concrete Construction
Photos: Benny Chan / Fotoworks

This K-8 Catholic school, completed at half the cost of comparable LAUSD schools, maximizes the spatial potential of a tight urban site, multiplying learning environments through design and planning. An over-scaled ramp rises up to a large urban porch, which has become a new nexus for the school, whose exceptional educational and community program requires intensive use of the facility beyond school hours.



MERIT AWARD FOR ARCHITECTURE

**King Residence
Santa Monica**

ARCHITECT:
John Friedman Alice Kimm Architects

GENERAL CONTRACTOR: Anthony Bonomo
STRUCTURAL ENGINEER: William K. Koh & Associates
CIVIL ENGINEER: JMC2
LANDSCAPE DESIGNER: Erin King
LIGHTING DESIGNER: FIRE, Ltd.
CABINETRY FABRICATION: A Single Tree

SELECTED FURNITURE AND ARTWORK: Rumba
Photos: Benny Chan / Fotoworks

Most single-family residences in Los Angeles present an impersonal, formal façade and front yard that, while superficially pleasant, create a strict wall between the life within the house and the community at large. By contrast, this residence offers the modern equivalent of a big front porch—a space that says, “Come visit. We want to know our neighbors.”



MERIT AWARD FOR ARCHITECTURE 1020 Pine San Francisco

ARCHITECT:
Kennerly Architecture
& Planning

GENERAL CONTRACTOR: Buena Vista Builders

STRUCTURAL ENGINEER: Santos & Urrutia
Structural Engineers

MECHANICAL ENGINEER: Belden Engineering

ACOUSTICAL ENGINEER: Walsh-Norris Engineers

Photos: Tim Griffith

On a tiny parcel in downtown San Francisco, this infill building draws upon the spirit of the City's fine-grained urbanism to create eight luminous dwellings and an optimistic vision for urban living. Without resorting to mimicry, the building animates the street wall with quintessential San Francisco syntax; its window "bays" are glass rooms that establish a rhythm in sync with the neighboring Victorian row-house fabric.



MERIT AWARD FOR ARCHITECTURE Belles Townhomes San Francisco

ARCHITECT:
KieranTimberlake

CLIENT: Forest City; LivingHomes

ARCHITECT OF RECORD: WRNS Studio

GENERAL CONTRACTOR: Plant Construction
Company

STRUCTURAL ENGINEER: Ficcadenti Waggoner
& Castle Consulting

CIVIL ENGINEER: Sherwood Design Engineers

M/E/P ENGINEER: Guttman & Blaevoet
Consulting Engineers

LANDSCAPE ARCHITECT: CMG Landscape
Architecture

Photos: Richard Barnes

Developed as part of an adaptive re-use project, San Francisco's first LEED Platinum multi-family residence is adjacent to a former hospital renovated into over 200 rental units and a former officers' quarters. Confined within a compact footprint of 6,720 square feet, it overlooks a central green and wooded area. Each unit has a patio at ground level, a terrace at the main living level, and a panoramic roof deck.



MERIT AWARD FOR ARCHITECTURE
Ed Roberts Campus
 Berkeley

ARCHITECT:
Leddy Maytum Stacy Architects

- CLIENT:** Ed Robert Campus
- GENERAL CONTRACTOR (WARM SHELL):** Cahill Construction
- GENERAL CONTRACTOR (TENANT IMPROVEMENTS):** BCCI Construction
- STRUCTURAL & M/E/P ENGINEER:** Arup San Francisco
- CIVIL ENGINEER:** BKF Engineers
- LANDSCAPE ARCHITECT:** Moore Iacofano Goltsman, Inc.
- ACCESSIBILITY CONSULTANT:** Mikiten Architecture
- LIGHTING DESIGN:** Architectural Lighting Design

- ACOUSTICS/AV/TELECOM:** Charles M. Salter Associates
- ELEVATOR CONSULTANT:** Hesselberg Keesee
- WATERPROOFING CONSULTANT:** Simpson Gumpertz & Heger
- GEOTECHNICAL:** Treadwell & Rolo
- PARKING CONSULTANT:** International Parking Design
- SIGNAGE DESIGNER:** Debra Nichols Design
- Photos:** Tim Griffith

Located on a former Bay Area Rapid Transit (BART) parking lot adjacent to Berkeley's Ashby Station, the Center is one of the foremost disability rights service, advocacy, education, training, and policy centers in the world. Built by a partnership of seven non-profit organizations with a common history in the Disabled Rights/Independent Living Movement, it was designed from the ground up to meet the needs of people with all ability levels.



MERIT AWARD FOR ARCHITECTURE
Canyon Residence
 Santa Monica

ARCHITECT:
Lehrer Architects

- GENERAL CONTRACTOR:** Horizon General Contractors
- STRUCTURAL ENGINEER:** Reiss Brown Ekmekji
- MEP ENGINEER:** IBE Consulting Engineers
- INTERIOR DESIGNER:** Unique Custom Interiors
- LIGHTING DESIGNERS:** Lighting Design Alliance; John Brubaker Architectural Lighting Consultants
- LANDSCAPE:** Landscapes Designed

Photos: Benny Chan / Fotoworks

The designed flatness of the ground plane—and the client's desire to preserve key aspects of the woods and fauna—influenced the design, shaping views of and spatially engaging the landscape, which includes a working fruit and vegetable garden. The project blurs indoor/outdoor boundaries in a seamless play of transparencies and solids and de-materializes structural mass through abundant natural light and glass.



MERIT AWARD FOR ARCHITECTURE Durant Hall, University of California Berkeley

ARCHITECT:
Mark Cavagnero Associates

PROJECT/CONSTRUCTION MANAGER:
UC Capital Projects

GENERAL CONTRACTOR: West Coast Contractors

CIVIL ENGINEERING: Van Maren & Associates

STRUCTURAL ENGINEER: Tipping Mar Associates

MEP ENGINEER: Cammisia and Wipf

LANDSCAPE ARCHITECTURE: GLS Landscape
Architecture

LIGHTING DESIGN: Silverman & Light
ACOUSTICAL DESIGN: Charles M. Salter Associates
TELECOMMUNICATIONS: TEECOM
Photos: Tim Griffith

Designed by John Galen Howard and completed in 1911, this building most recently served as a library before its current conversion into the administrative offices for the College of Letters and Sciences. Incorporating structural improvements, material upgrades, and improved accessibility, the renovation transforms the building into a contemporary setting befitting the deans and administrators of the university's largest college, while preserving the landmark building's architectural legacy.



MERIT AWARD FOR ARCHITECTURE Playa Vista Park Playa Vista

ARCHITECT:
Michael Maltzan
Architecture, Inc.

PARK GENERAL CONTRACTOR: Park West
Companies, Inc.

PARK WATER FEATURES CONTRACTOR:
Pacific Aquascape, Inc.

BANDSHELL CONTRACTOR, RESTROOM LEVEL:
Fassberg Contracting Co.

BANDSHELL CONTRACTOR, CANOPY STEEL:
Plas-Tal Manufacturing Co.

EXECUTIVE LANDSCAPE ARCHITECT: The Office
of James Burnett

M/E/P ENGINEER: Arup

PARK ELECTRICAL ENGINEER: West Coast Design

CIVIL ENGINEER: Psomas
GEOTECH ENGINEER: Group Delta Consultants, Inc.
LIGHTING DESIGNER: Horton Lees Brogden
METHANE CONSULTANT: Terra-Petra, Inc.
PARK WATER FEATURES COORDINATOR: Pacific
Aquascape, Inc.
SIGNAGE: Biesek Design
Photos: Iwan Baan

This eight-acre Park creates an infrastructure of active recreation and performance spaces that supports unscripted activity. Located on a former airfield at the eastern terminus of one of the largest infill urban developments in the United States, the Park is a flexible campus extension for the adjacent office buildings and a resource for the entire neighborhood.



MERIT AWARD FOR ARCHITECTURE
Granada Theatre
Renovation
 Santa Barbara

ARCHITECT:
PMSM Architects

GENERAL CONTRACTOR: Melchiori Construction
THEATRE CONSULTANT: Sachs Morgan Studio
ACOUSTICS/AUDIO VISUAL: McKay Conant Hoover
LIGHTING DESIGN: Norman Russell Design
STRUCTURAL ENGINEER: Stork Wolfe & Associates
ELECTRICAL ENGINEER: ANE
MECHANICAL ENGINEER: TMAD Taylor & Gaines

RESTORATION CONTRACTOR: Evergreen Painting Studio Inc.
MARQUEE CONTRACTOR: Fernando Duarte Design
Photos: Lawrence Anderson Photography/ESTO

Originally constructed in 1924, this grand performance hall hosted world premier movies and musicals featuring such luminaries as Lotte Lehman, Fred Astaire, and Ginger Rogers. By the time the doors closed in 2004, it had been turned into a three-screen multiplex. Now restored, it boasts Santa Barbara's largest stage for music, theatre, dance, opera, films, lectures and conferences.



MERIT AWARD FOR ARCHITECTURE
San Dieguito River
Park Administration
Headquarters
 Escondido

ARCHITECT:
Rinehart Herbst

GENERAL CONTRACTOR: Robert Lackey Construction
ENGINEER: Envision Engineering
Photos: Brighton Noing

For an environmental agency that lost its headquarters in the wildfires of 2007, the architect developed the replacement cost arguments for the insurance settlement, negotiated an expedited public process, coordinated and secured a contractor, salvaged furniture, and served as occasional day labor. The project was completed for a construction cost of \$633,000 in just under three years.



MERIT AWARD FOR ARCHITECTURE

**639 Larchmont
Boulevard
Los Angeles**

ARCHITECTURE, INTERIORS, GRAPHICS, SIGNAGE:

Rios Clementi Hale Studios

GENERAL CONTRACTOR: Swinerton Builders

STRUCTURAL ENGINEER: Charles Tan & Associates

Photos: Jim Simmons (top) and Tom Bonner

When Rios Clementi Hale Studios needed to expand its office, it expanded its domain as well, becoming a developer and landlord, renovating an out of date, stucco-covered mini-mall in Hancock Park. An inviting lobby allows glimpses into the front office, meeting rooms, and model shop. Outside, porches enclosed in alternating glass and water-jet-cut aluminum panels blur into the interior spaces.



MERIT AWARD FOR ARCHITECTURE

**Harbor Drive
Pedestrian Bridge
San Diego**

ARCHITECT:

Safdie Rabines Architects

CLIENT: City of San Diego, Centre City
Development Corporation

GENERAL CONTRACTOR: Reyes Construction

STRUCTURAL ENGINEER & CONSTRUCTION
MANAGER (PRIME): T.Y. Lin International

LANDSCAPE ARCHITECT: Spurlock Poirier
Landscape Architects

CIVIL ENGINEER: Lintvedt McColl & Associates
(now David Evans and Associates, Inc.)

LIGHTING, M/E/P, VERTICAL TRANSPORTATION:
Syska Hennessy Group

ENVIRONMENTAL PLANNING: Project Design
Consultants

GEOTECHNICAL ENGINEERING: Ninyo & Moore

Photos: Pablo Mason

First envisioned in 1908 by urban planner John Nolen, the Park-to-Bay Link is intended to enhance pedestrian and trolley flow through the Park Boulevard corridor, a route south from Balboa Park to the San Diego Bay waterfront. Spanning a road that runs along the waterfront, this footbridge completes the park-to-bay route and provides a safe pedestrian crossing over a heavily traveled four-lane road and six train and trolley tracks.



MERIT AWARD FOR ARCHITECTURE

Poly International Plaza Guangzhou, China

ARCHITECT:

Skidmore, Owings & Merrill LLP

LOCAL DESIGN INSTITUTE/COST ESTIMATOR:

Guangzhou Design Institute

LANDSCAPE ARCHITECT: SWA Group

M/E/P ENGINEER: Flack & Kurtz, Inc.

VERTICAL TRANSPORTATION: Edgett Williams

Consulting Group, Inc.

WINDOW WASHING: CS Caulkins

Photos: Fu Xing (top) and Tim Griffith

Two office towers, rising from a retail and exhibition podium over a below-grade exhibition hall, face north to maximize views towards the Pearl River and minimize eastern and western exposure. Structural X-bracing doubles as shade for the southern façade. Towers and pavilions enclose a central garden that calls together the river to the north and the wooded landscape of the historical pagoda temple to the southeast.



MERIT AWARD FOR ARCHITECTURE

Naka House

ARCHITECT:

XTEN Architecture

GENERAL CONTRACTOR: NWGC, Inc.

STRUCTURAL ENGINEER: Axial Engineering Group, Inc.

Photos: Steve King

The exterior of this remodel of a 1960s hillside home is finished in a smooth, black, Meoded Venetian plaster. Abstract, indoor-outdoor spaces with framed views to nature are rendered in white surfaces of various materials and finishes—lacquered cabinetry, epoxy resin floors and decks, and painted metal. While the exterior is perceived as a finite, irregular object in the landscape, white interior surfaces blend and extend the space of the rooms.



HONOR AWARD FOR INTERIOR ARCHITECTURE

**One Shelley Street
Sydney, Australia**

ARCHITECT:

Clive Wilkinson Architects

EXECUTIVE ARCHITECT: Woods Bagot

GENERAL CONTRACTOR (ABW PHASE): Buildcorp Interiors

GENERAL CONTRACTOR (INTEGRATED BASE BUILDING PHASE):
Brookfield Multiplex Constructions

WORKPLACE CONSULTANT: Veldhoen + Company

GRAPHICS CONSULTANT: EGG Office

BASE BUILDING ARCHITECT: Fitzpatrick + Partners

MECHANICAL, ELECTRICAL ENGINEER: LICOLNE SCOTT
COMMUNICATIONS + SECURITY: Norman Disney & Young
ENVIRONMENTAL: Advanced Environmental
LIGHTING: Vision Design
HYDRAULICS AND FIRE: Donnelly Simpson Cleary
STRUCTURAL AND FIRE: Arup
Photos: Shannon McGrath

The project was an effort to reframe the requirements and performance of the 21st Century office by leveraging mobility, transparency, multiple tailor-made work settings, collaboration zones, destination work plazas, 'follow-me' technology and carbon neutral systems. The design solution opens up the ten-story atrium, showcasing cantilevered meeting pods

that form a "Meeting Tree," emblematic of the interconnectedness of the financial bank's client relationships.

The client adopted a new form of working called Activity Based Working (ABW), involving a wide choice of work settings for staff within work neighborhoods structured for specific uses. The benefits involve high space utilization in a highly supported mobile work environment, meaning almost 20% space saving and 20% less building carbon footprint. Post occupancy surveys revealed 95% staff endorsement and an 11% increase in productivity. Increased collaboration and knowledge sharing between departments is a major transformation.



MERIT AWARD FOR INTERIOR ARCHITECTURE
Graduate Aerospace Labs, Caltech (GALCIT)
 Pasadena

ARCHITECT:
 John Friedman Alice Kimm Architects

GENERAL CONTRACTOR: Del Amo Construction
STRUCTURAL ENGINEER: TMAD Taylor & Gaines
MP ENGINEER: MEDG Engineers
ELECTRICAL ENGINEER: Pacific Engineers Group
GRAPHICS: JFAK with Patricia Kovic + Maureen Nishikawa

LIGHTING DESIGNERS: LightVision; FIRE, Ltd.
Photos: Benny Chan / Fotoworks

For an academic department that has pioneered some of the world's most important advances in aeronautics and space exploration, this new environment was imagined as an architectural wind tunnel—a relatively neutral container into which new objects, in the form of new ceilings and wrappers—could be dropped and whose flow patterns could be metaphorically studied as they interfaced with existing walls, columns, and voids.



MERIT AWARD FOR INTERIOR ARCHITECTURE
Washington Square Park Dental
 San Francisco

ARCHITECT:
 Montalba Architects, Inc.

CONSULTING STRUCTURAL ENGINEER: Julia Y. Chen Design, Inc.
MEP ENGINEER: ACIES Engineering
LANDSCAPE CONSULTANT: Venice Studio
LIGHTING CONSULTANT: John Brubaker Architectural Lighting

LEED CONSULTANT: reBUILD Consulting
Photos: Mitch Tobias

The project is located directly west of Washington Square Park. Interior details bring the park's greenery and filtered light into the space and contrast them with raw and sustainable materials and refined surfaces. Programming and design decisions were made with the intent of maximizing and filtering this natural light (an often overlooked element in dental offices) from the single source storefront window through the "floss walls" to each of the successive operatories.



MERIT AWARD FOR SMALL PROJECTS

reALize LA Live! Los Angeles

LEAD DESIGNER:
Buro Happold Consulting
Engineers Inc.

ARCHITECT: Oyler Wu Collaborative

ARTIST: Michael Kalish

Photos: Scott Mayoral

This traveling installation is built as a tribute to the life and cultural significance of Muhammad Ali. The project is aimed at exposing a new generation to this larger than life character by building an appreciation for the nuanced emotional, aesthetic, and technical principles that collectively form experience—a concept that holds true as much for human persona as it does for architecture.



MERIT AWARD FOR SMALL PROJECTS

The Dining Womb San Francisco Galleria

ARCHITECT:
John Lum Architecture;
Brett Walters, Project Manager

LIGHTING CONSULTANT: Scott Dumas of David
Scott Lighting LLC

Photos: Shae Rocco (top) and Arrowood Photography

The Dining Womb was created for the 2010 DIFFA (Design Industry Foundation Fighting Aids) fundraiser, whose simple brief was to create tables for dining. The architects focused on the critical elements necessary for a great dining experience: intimacy, intrigue, and sensuality. Over 27 gallons of white glue were used in the construction of the laminated cardboard beams. The remaining 1,640 individual parts relied solely on friction fittings for cohesion and stability.



MERIT AWARD FOR SMALL PROJECTS
The Cube
 Oakland

ARCHITECT:
SPACEFLAVOR

GENERAL CONTRACTOR: DivisionSF

Photos: Joe Fletcher (top) and Jasmine Rose Oberste

The loft resident faced a dilemma: his 1,100 square-foot live/work apartment felt vast when he was alone, yet he needed more space for his growing feng shui classes. Based on the principles of Yin (private and closed) and Yang (public and open), the essential personal activities of study, sleep, and meditation are distilled into a compact, mobile unit allowing him to reconfigure the loft to suit his popular classes while securing his personal realm.



MERIT AWARD FOR SMALL PROJECTS
Flood-Proof House
 Stinson Beach

ARCHITECT:
Studio Peek Ancona

GENERAL CONTRACTOR: Irwin Fisher, Inc.

STRUCTURAL ENGINEER: Double-D Engineering

Photos: Bruce Damonte

Designed to remain intact after a storm-driven flood, tsunami, or sea level increase, this built prototype for international flood zones was recently awarded a Best Practice by FEMA. Its innovative foundation—a steel anchoring system with a concrete perimeter—is light enough that it floats in the wet soil, but heavy enough that it resists waves above; it uses thirty percent less materials than those typical of flood zone buildings.



MERIT AWARD FOR URBAN DESIGN

**Mission Rock
San Francisco**

ARCHITECT:

Perkins+Will

ASSOCIATED ARCHITECT: Beyer Blinder Belle

OWNER: San Francisco Giants Baseball Club

DEVELOPERS: Wilson Meany Sullivan; Farallon Capital Management; Kenwood Properties

RETAIL DEVELOPER: The Cordish Company

ESTIMATOR/GENERAL CONTRACTOR: Hathaway Dinwiddie Construction Company

LANDSCAPE ARCHITECT: Hargreaves Associates

SUSTAINABILITY CONSULTANT: Atelier Ten

PARKING CONSULTANT: Watry Design, Inc.

TRAFFIC + PARKING ANALYSIS: Advant Consulting

Mission Rock, linking San Francisco's central and southern waterfronts, will comprise a 5.5 acre waterfront park, 875 units of high density housing, 1,037,400 square feet of office uses, 242,375 square feet of neighborhood and city-serving retail, and 8.7 acres of inviting public spaces. The project highlights and embraces Pier 48 and its maritime history, and all streets and pathways will maintain views to and interaction with the San Francisco Bay.



MERIT AWARD FOR URBAN DESIGN

**Piggyback Yard
Conceptual Master Plan
+ Vision
Los Angeles**

PBY COLLABORATIVE DESIGN GROUP:

Chee Salette Architecture Office

Mia Lehrer+Associates

Michael Maltzan Architecture

Perkins+Will

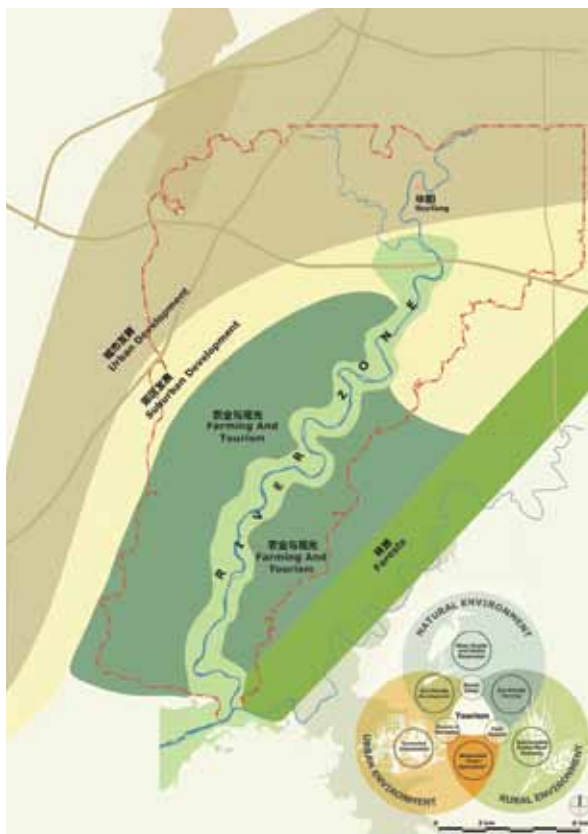
The fruit of a sincere collaboration among architects, landscape architects, and urban planners working *pro bono*, this conceptual master plan proposes to restore the Los Angeles River at the heart of the city, providing access to people and promoting sound water management; creating significant public open space; connecting to adjacent neighborhoods and bridging between east and west while maintaining existing railroads; and building a diverse, vibrant community.



MERIT AWARD FOR URBAN DESIGN
JinJiang River Corridor
Master Plan
 Chengdu, Sichuan, China

ARCHITECT:
Johnson Fain

The plan redirects projected urban growth to preserve the assets of the river valley. Through the control of infrastructure such as roads, rail, and sewer, growth is guided to desired land areas in the watershed and away from protected areas of the valley. The protected valley lands are then governed under an umbrella designation of a "Community Forest," based on the successful model developed in the United Kingdom.



MERIT AWARD FOR URBAN DESIGN
XiChang City, Qiong Hai,
and Surroundings
Conceptual Master Plan
 XiChang, Sichuan, China

ARCHITECT:
Johnson Fain

Located in a rural district of southern Sichuan Province, XiChang's economy is focused on tourism, agriculture, and mineral extraction. Over the last several decades, uncontrolled runoff from logging on the adjacent hills and poor farming practices on the upstream slopes have polluted and shrunk the once-pristine Qiong Hai Lake. The master plan proposes to redirect city growth to allow restoration of the lake's environment and to optimize benefits of the lake.



2011 Savings By Design

Energy Efficiency Integration Awards (EEIA)

2011 Savings By Design Energy Efficiency Integration Awards Jurors

Edward Dean, AIA, LEED AP, is director of the San Francisco office of Harley Ellis Devereaux, which is committed to a low-energy—or, when possible, zero net energy—design approach for every project undertaken by this branch office.

Larry Hoeksema, AIA, is president of Architects Mosher Drew in San Diego. A past president of AIA San Diego, he currently serves as President of the San Diego Architectural Foundation and on the NewSchool of Architecture and Design's Advisory Board.

Jason A. Silva, AIA, LEED AP, is a partner and design principal with Dreyfuss & Blackford Architects in Sacramento. He is active in the AIACC as board member of the Academy of Emerging Professionals (AEP) and nationally as Regional Director for Young Architects Forum (YAF).

Peter Barsuk, AIA, LEED AP, is a Studio Leader, Project Manager, and LEED expert at Gensler, Los Angeles. He serves as a board member for the USGBC Los Angeles Chapter.

Resource efficiency, responsibility for the environment, human productivity, quality of life—all are essential benefits of well-designed buildings. Of the design professionals entrusted with creating significant spaces, only a few achieve a rare combination of superlative design and creativity, environmental sensitivity, and innovative energy efficiency solutions. By making that extra effort to aim beyond minimum energy performance codes, these design teams have produced a host of benefits—not only for their clients, but also for the occupants of the buildings and the public.

Savings By Design and the American Institute of Architects, California Council work together to recognize professionals who integrate design excellence with energy efficiency in their projects. We are pleased to present the winners from the 2011 Savings By Design Energy Efficiency Integration Awards.

2011 Savings By Design

AWARD OF HONOR: Bacon Street Offices

Below photo and illustration by ARCHITECTS hanna gabriel wells

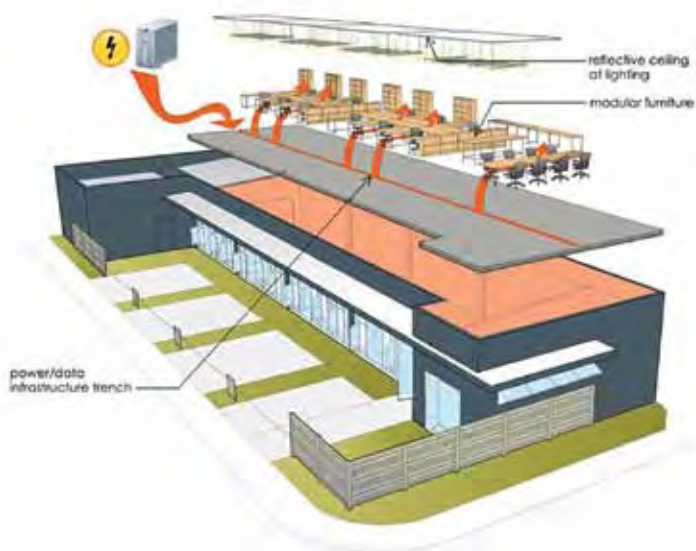


Photo by Tom Kessler

ARCHITECT: ARCHITECTS hanna gabriel wells

OWNER/DEVELOPER: OBRA, LLC

DESIGN TEAM: KPFF Consulting Engineers, Nowell and Associates, RGB Group, Inc., Brummitt Engineering, McParlane and Associates, ILA+Zammit / Illumia Design Studio, Geotechnics, Inc.

Recognized with the highest award in this year's Savings By Design Energy Efficiency Integration Awards, the Bacon Street Offices project exemplifies both Zero Net Energy and adaptive reuse. Located in San Diego, the 4,500 ft² building was originally an auto repair garage and paint shop, dating back to 1955, and was recently converted into professional offices for designers. Focusing on an open work environment, the offices make use of the existing service bays from the auto repair shop.

The project was modeled, designed, and constructed to achieve Zero Net Energy usage. A monitoring system was installed to effectively track actual energy use of each building system. The project achieved LEED-NC Gold level certification. Juror Peter Barsuk of Gensler described the project by stating, "The Bacon Street Offices showcase a clear path to Zero Net Energy, with a very low environmental footprint and a comprehensive and holistic design strategy."

Some of the impressive sustainability highlights include: 60% energy savings over the Title 24 baseline, over 90% of occupied spaces enjoy daylighting benefits, 50% reduction in site water usage, 100% natural ventilation, and use of onsite renewable energy. Passive and active strategies for power, water heating, lighting, and ventilation are all utilized in the design of the building's operations.

AWARD OF MERIT:

Ford Assembly Building

Photo by Steve Proehl



Photo by Billy Hustace



Photo by Billy Hustace

ARCHITECT: Marcy Wong Donn Logan Architects

OWNER/DEVELOPER: Orton Development Inc.

DESIGN TEAM: The Crosby Group, SWA Group, Dalzell Corporation, Gregory P. Luth & Associates, Mechanical Design Studio, Inc., Ross Craig Workshop, Architecture + Light, Charles M. Salter Associates

In an impressive turnabout, the Ford Assembly Building, once a large auto plant, was successfully converted into a model of 21st century sustainability and renewable energy and received an Award of Merit in this year's Savings By Design Energy Efficiency Integration Awards. This new waterfront structure has become a popular regional event venue in the Richmond area. Filled with inspiring views, airy spaces, and beautiful natural light, the facility plays host to frequent concerts, dances, weddings, graduations, etc. In addition, the building also houses company offices for solar power, recreational equipment, and more.

The Ford Assembly Building, a 525,000 ft² structure formerly deemed financially unfeasible to rehabilitate, was rejuvenated by blending old with new. The offices retain the building's original industrial features, such as the massive shell, continuous windows, floods of daylight, and waterfront presence. Larry Hoeksema, a juror from Architects Mosher Drew, commented, "In the Ford Assembly Building project, it was quite impressive, the low energy use, based on the scale and size of this particular building. This historic building rediscovers amazing design principles from the original design of the building."

Some of the impressive sustainability highlights include a 1-megawatt high-efficiency rooftop solar power system, and 90% of the office spaces benefit from daylighting. Energy saving measures have been employed throughout the building and are optimized by the use of passive strategies, including natural ventilation and skylights in the sawtooth roof.

2011 Savings By Design

AWARD OF MERIT:

The Branson Commons

Photo by Mary Griffin, FAIA



Photo by David Wakely



Photo by David Wakely

ARCHITECT: Turnbull Griffin Haesloop

OWNER/DEVELOPER: The Branson School

DESIGN TEAM: Fratessa Forbes Wong, The Landscape Office/Sasaki, Herrero Contractors, Inc., O'Mahony & Myer, Sherwood Design Engineers, Loisos and Ubbelohde

The Branson School is an independent high school nestled in the hilly terrain of Ross, California, just north of San Francisco. Recognized with an Award of Merit in this year's Savings By Design Energy Efficiency Integration Awards, the new 7,550 ft² Student Commons building is located in the center of campus, tucked between the upper and lower campuses.

Juror Edward Dean of Harley Ellis Devereaux noted, "The Branson Commons project serves as a very appropriate demonstration project for good, integrated design, offering a calmness about the building, an ease in showing how to do everything right—with low energy consumption, integrated design, and it just works well both architecturally and environmentally."

Some of the impressive sustainability highlights include: 47.5% energy savings over ASHRAE 90.1-2004, a PV system that produces 44,640 kWh/year of renewable energy, 80% of the building benefits from daylighting, 90% of the building can be ventilated or cooled with operable windows, 90% of precipitation is managed onsite, and water usage has been reduced by 50% through low-consumption devices. This LEED Platinum project came about through a process that included a fluid dynamic model that optimized natural ventilation by studying different window sizes and locations, a solar study charting the path and depth of sunlight penetration into the building during different times of day and year, and a simulation of energy consumption and building performance based on actual weather and operational conditions.

AWARD OF CITATION:

UC Riverside School of Medicine
Research Building



Photos by Lara Swimmer

ARCHITECT: SRG Partnership

OWNER/DEVELOPER: University of California, Riverside

DESIGN TEAM: Saiful/Bouquet, Inc., WALKER MACY, Barnhart Balfour Beatty, RFD, AEI, ESBL,
University of Oregon, TMAD

The UC Riverside School of Medicine Research Building represents a long-anticipated first step towards a medical school in the Inland Empire region. Receiving the Award of Citation in this year's Savings By Design Energy Efficiency Integration Awards, this facility is targeting LEED Gold and currently uses less than half the 2030 Challenge baseline for research laboratories. The building was designed to seamlessly integrate with the existing school campus, while providing collaborative and humanizing research and office space in a uniquely flexible and adaptive health sciences laboratory.

Design of the building employed many sustainable design strategies, including careful material selection, water reduction, enhanced quality of spaces, and the maximized use of daylighting. Juror Jason Silva of Dreyfuss & Blackford Architects described the UC Riverside School of Medicine Research Building as "...a true success in overcoming the ever-present challenge in making an energy-efficient lab."

Some of the impressive sustainability highlights include: 19% energy savings over the Title 24 baseline, 32% reduction in overall energy usage, 78% reduction in irrigation water use, and 45% reduction in domestic water use. Computer-controlled blinds at clerestory windows regulate natural daylight and eliminate glare, offices are separated from lab spaces to reduce ventilation and energy use, and the building is strategically situated close to the campus's existing Bioinformatics computer space and vivarium, sharing its energy efficiency assets to eliminate the need for developing redundant facilities.



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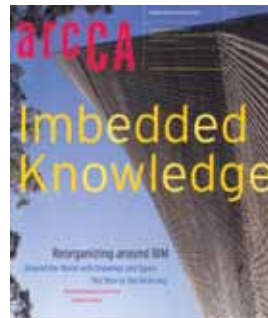
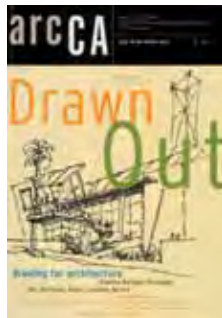
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