

# FORM

PIONEERING DESIGN

Design for the  
PLANET



U.S. \$6.95 / CANADA \$8.95



A PUBLICATION OF BALCONY MEDIA, INC.



HANDWOVEN OUTDOOR FURNITURE CREATED WITH WEATHER-RESISTANT DEDON FIBER

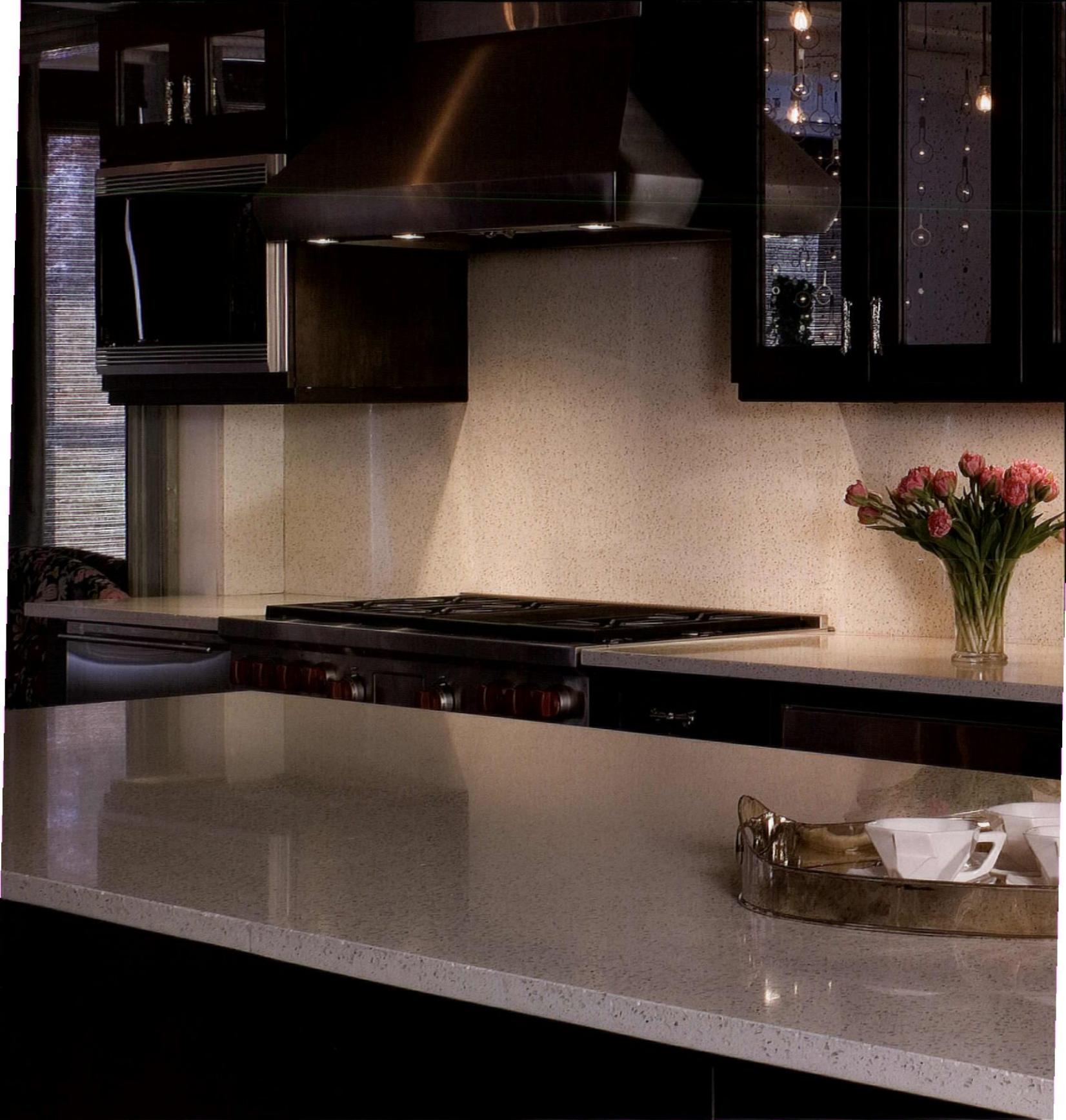
"COMING HOME"



Available through JANUS et Cie in the US and Mexico  
[www.janusetcie.com](http://www.janusetcie.com) - 800.24.JANUS

Available through Studio B in Canada  
[www.studiobhome.com](http://www.studiobhome.com) - 888.968.6686

**DEDON**<sup>®</sup>



**SPEC CERAMICS, INC.**  
PORCELAIN - TILE - STONE - QUARTZ

The Architect's Choice for...

FULLERTON • SANTA MONICA • SAN DIEGO • SAN FRANCISCO

# IceStone®

DURABLE SURFACES MADE OF RECYCLED GLASS & CONCRETE



IceStone® is a durable surface made of 100% recycled glass in a cement matrix. Each slab is VOC-free, made in the USA, holds Cradle to Cradle Gold certification, and contributes towards 6 LEED points; recycled glass countertops don't get more sustainable than that!

Corporate Office

800-449-7732

Santa Monica Design Library

310-450-7732

San Francisco Design Library

415-701-0500

San Diego Design Library

619-518-7847

[specceramics.com](http://specceramics.com) | [ecospectile.com](http://ecospectile.com) | [specvener.com](http://specvener.com)

S C O • P H O E N I X • L A S V E G A S • P O R T L A N D • D E N V E R

# HWI

CONSTRUCTION **Build. Design. Mill.**  
BUILDING IMAGINATION



**HINERFELD - WARD, INC**  
Los Angeles, CA 310-842-7929 [www.hinerfeld-ward.com](http://www.hinerfeld-ward.com)

Hill House - Johnston Markle  
Photo by Eric Staudenmaier

# FORM

PIONEERING DESIGN

MAY/JUNE 2010

## DEPARTMENTS

**8 EVENTS**

**10 EDITOR'S NOTE**

**12 SHOWROOM**

From rainwater to fresh air

**14 10 IN 20**

The future of industrial design

**18 WORKBOOK**

Sustainable landscapes

**44 BEYOND THE GRID**

Professor Andrew Hargadon guides the next Generation Green

## FEATURES

**30 PLANES, TRAINS AND AUTOMOBILES**

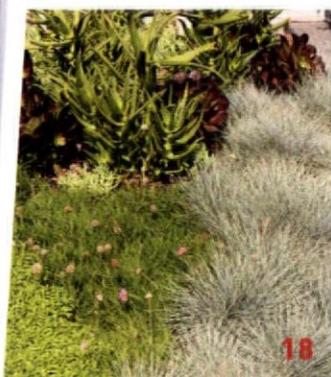
The greening of transportation  
BY KEITH LORIA

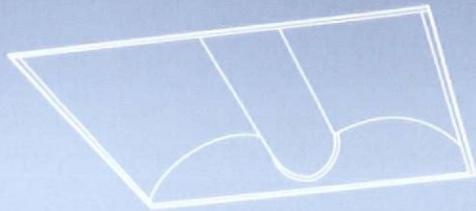
**34 TOUR DE PARIS**

A portfolio of women and their bicycles  
BY GIL GARCETTI

**38 REBORN IDENTITY**

Innovative adaptive re-use  
BY MICHAEL WEBB





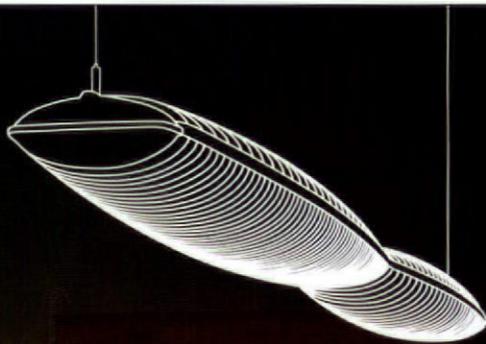
symbiotic



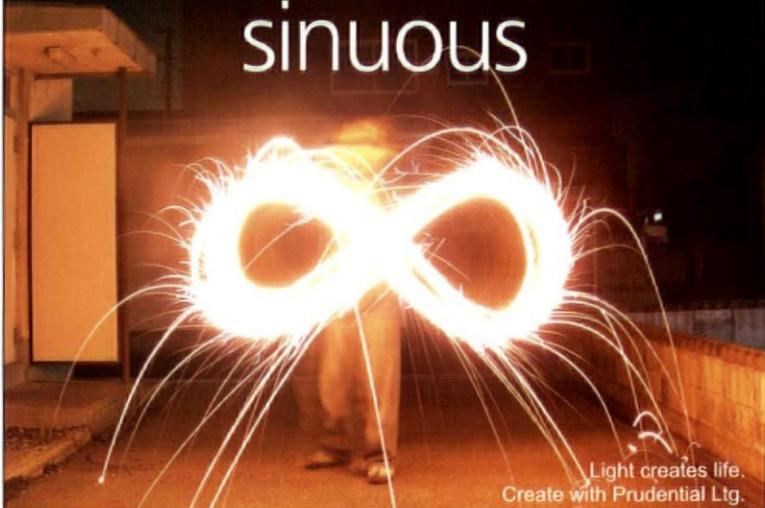
Light creates life.  
Create with Prudential Ltg.

**Cupola**

Subtly radiates brilliance with 80% efficiency.  
Prudential Ltg. tel.213.746.0360 | prulite.com



sinuous



Light creates life.  
Create with Prudential Ltg.

**Pulse**

Louvred elegance undulates from four feet to infinity.  
Prudential Ltg. tel.213.746.0360 | prulite.com



# FORM

PIONEERING DESIGN

**CEO/Publisher** Ann Gray, FAIA LEED AP

**Editor in Chief** Alexi Drosu  
edit@formmag.net

**Associate Publisher** Joe Cloninger  
joe@formmag.net

**Art Direction + Design** studiofuse.biz

**Publication Coordinator** Karin Rose  
karin@formmag.net

**Contributing Writers** Ina Drosu  
John Gendall  
Jack Skelley  
Michael Webb

**Printing** Navigator Cross-media

**Reprints** Peter Shamray  
Navigator Cross-media  
626.222.5646  
peter@navcm.com

**Advertising Inquiries** 818.551.1073

512 E. Wilson Avenue, Suite 213, Glendale, California 91206

818.956.5313 | Fax 818.956.5904

**FORMmag.net**

FORM (ISSN 0885-7377) is published bimonthly by Balcony Media, Inc. Principal Office: Balcony Media, Inc., 512 E. Wilson Avenue, Suite 213, Glendale, California 91206. © Balcony Media, Inc. 2010. All rights reserved. Reproduction in whole or in part without written permission is prohibited. FORM and the FORM logotype design are protected through trademark registration in the United States. Printed in Korea.

**SUBSCRIPTION:** The basic rate for a one-year subscription to FORM is \$35 (AIA/LA, USGBC-LA, ASID/LA and IIDA So Cal members subscription included in membership). Single copy price \$6.95. Subscribers: If the Postal Service alerts us that your magazine is undeliverable, we have no further obligation unless we receive a corrected address within six months. Postmaster: Send address changes to FORM, 512 East Wilson Avenue, Suite 213, Glendale, California 91206. We make a portion of our mailing list available to reputable third parties. For customer service and subscriptions or to request that your name be removed from our mailing list, please visit our website or contact our office in Glendale, CA.

**SUBMISSIONS:** Unsolicited editorial material, manuscripts, photographs, transparencies and artwork are sent at owner's risk and will be returned only when accompanied by a stamped, self-addressed envelope.

#### INDUSTRY PARTNERS/READERSHIP



**SUBSCRIBE** 818.956.5313  
formmag.net/new

Cover: Caixa Forum, Madrid designed by Herzog & deMeuron, photo by Roland Halbe

# SWISS PRECISION RETRACTING WALL SYSTEMS



Entire glazed walls disappearing instantly into the ground at the touch of a button. Contact us about the silent and speedy retracting experience that never fails to impress.

GOLDBRECHT USA INC.  
1512 11TH STREET  
SANTA MONICA, CA 90401  
PHONE: 310 393 5540  
WWW.GOLDBRECHT-SYSTEMS.COM

**GOLDBRECHT-SYSTEMS**  
Innovative Fenestration Solutions

# FORM EVENTS

## FORM celebrates AIA/LA Design Award winners at CalArts' The Wild Beast

**FORM** MAGAZINE CELEBRATED THE 2009 AIA/LA and AIA/SFV Design Awards winners at the new music pavilion dubbed The Wild Beast at the California Institute of the Arts. Designed by Hodgetts+Fung, Craig Hodgetts was on hand to discuss the space's creative journey along with Tom Hinerfeld of Hinerfeld-Ward Construction. A jazz trio performed in the background as patrons nibbled on hors d'oeuvres and sipped wine poured by Hope Family Wines. Additional sponsors included Hinerfeld-Ward Construction, Green Polishing Solutions, Repurpose Compostables, and Honest Tea.



Photographer: Scott Grollier

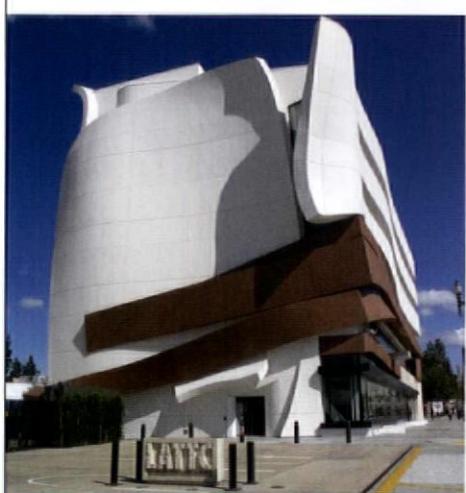
# DESIGN FOR THE PLANET

Thursday, June 3, 6:30-9 PM

at LA Trade-Tech's Student Services and Classroom Buildings

hosted by Los Angeles Community College District, Architectural Foundation of Los Angeles and **FORM**

Speaker: Larry Eisenberg, LACCD Executive Director of Facilities Planning and Development



Designed by MDA Johnson Favaro, the Student Services and Classroom Buildings are the first new buildings in the last 40 years at LA Trade-Tech. They are part of the \$6 billion LACCD Sustainable Building program. LEED Gold certification is expected for both structures. USGBC-LA will give guided tours.

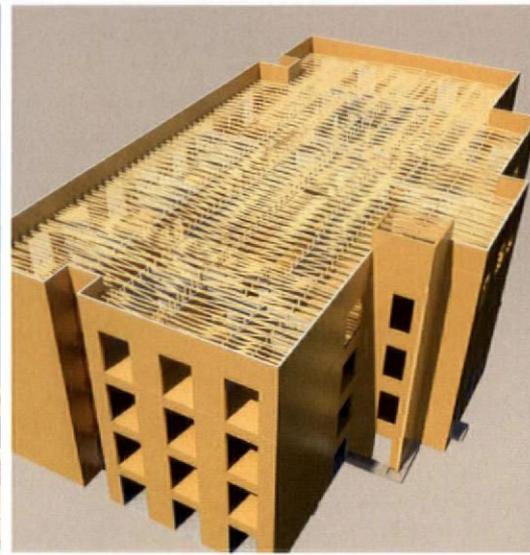
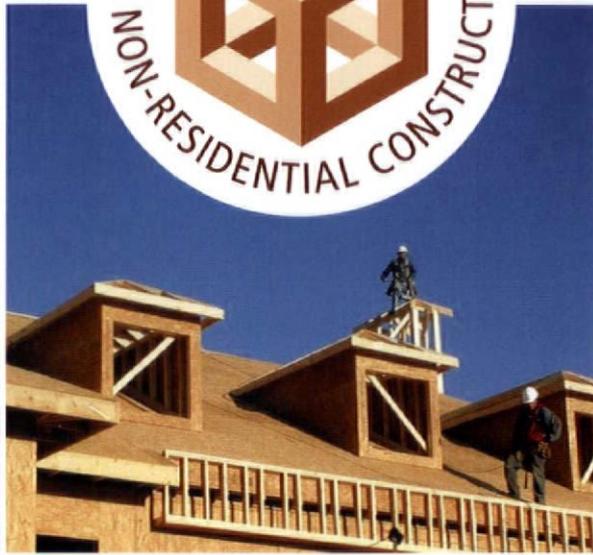
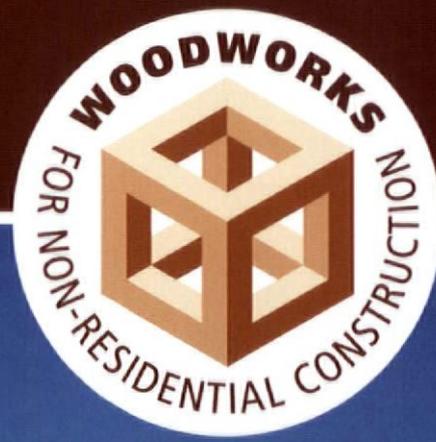
Los Angeles Trade-Tech College  
400 West Washington Blvd.  
Los Angeles, 90015

Please RSVP to [rsvp@formmag.net](mailto:rsvp@formmag.net)  
Include name, title, company, phone and email.

Space is limited.



AFLA ARCHITECTURAL FOUNDATION OF LOS ANGELES



# woodworks.org

Design and building support for the non-residential marketplace

Visit WoodWorks online for resources that can help you design and build non-residential structures more easily and at less cost.

- **Professional development** – Stream webinars for free or pay a nominal fee and earn AIA credits at your desk, any time
- **Web-based tools** – CAD/REVIT details, calculators, span tables, product and design guides
- **Technical support** – Access to WoodWorks experts and information from wood associations nationwide
- **Event calendar** – Wood Solutions Fairs, workshops, in-house presentations

Visit us at [woodworks.org](http://woodworks.org)

CALIFORNIA • GEORGIA • ILLINOIS • MINNESOTA • NORTH CAROLINA • SOUTH CAROLINA • WISCONSIN



WoodWorks is an initiative of the Wood Products Council, which includes all of the major North American wood associations.

Photo credit: APA – The Engineered Wood Association (left and center), Tom Weir, Brandow and Johnston, Inc. (right).

Being awarded gold, silver or platinum is indeed an achievement but, at times, it is important to strip away the labels and reevaluate the state of eco-friendly design. We often focus on unearthing solutions—especially in transportation—that will revolutionize the industry. But while we are searching for that breakthrough technology, we need to simplify our tactics and continue to incorporate multiple green measures into our designs. The sum of these parts can create a sustainable whole.

The spectrum of how we can all be more “green” is broad, and part of a designer’s job is to educate their clients on ways they can incorporate sustainable technologies (big or small) into their homes or businesses. In this month’s Showroom (p. 12), FORM features several practical and beautiful solutions—from installing a Nedlaw Living Wall to placing a \$4 rain collector in the backyard. Of course, products are the icing on the cake. How we build, incorporating alternative energies and reusing materials, can make a substantial difference in our collective carbon footprint. Michael Webb’s essay on adaptive reuse (p. 38)—the ultimate eco-friendly solution—explores how working within the constraints of an established building can lead to innovative design. Our transportation roundup (p. 30) addresses a key issue to our globe, how can we continue our current lifestyle and reduce our carbon emissions simultaneously. Paris offers one solution—making cities more bicycle-friendly— and as evidenced in our photo essay (p.34) you can cycle and look chic simultaneously.

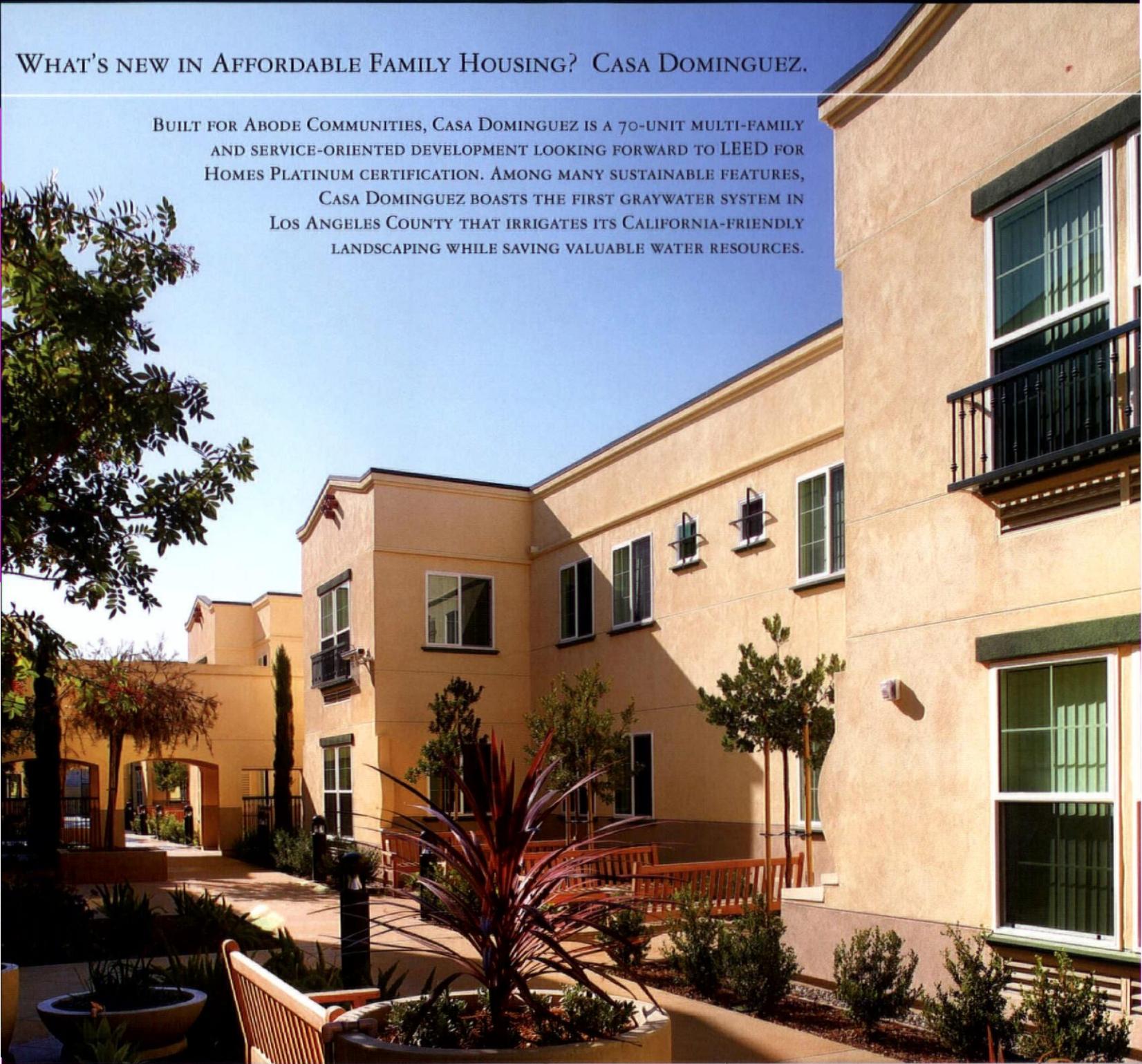


Eric Roth

*Alexi Progn*

## WHAT'S NEW IN AFFORDABLE FAMILY HOUSING? CASA DOMINGUEZ.

BUILT FOR ABODE COMMUNITIES, CASA DOMINGUEZ IS A 70-UNIT MULTI-FAMILY AND SERVICE-ORIENTED DEVELOPMENT LOOKING FORWARD TO LEED FOR HOMES PLATINUM CERTIFICATION. AMONG MANY SUSTAINABLE FEATURES, CASA DOMINGUEZ BOASTS THE FIRST GRAYWATER SYSTEM IN LOS ANGELES COUNTY THAT IRRIGATES ITS CALIFORNIA-FRIENDLY LANDSCAPING WHILE SAVING VALUABLE WATER RESOURCES.



WITH AFFORDABLE HOUSING SOLUTIONS LIKE CASA DOMINGUEZ, MORLEY BUILDERS DEMONSTRATES THE KIND OF STRENGTH YOU CAN BUILD ON.

**MORLEY BUILDERS**  
BUILDING SMARTER

SANTA MONICA | IRVINE | SAN DIEGO  
[WWW.MORLEYBUILDERS.COM](http://WWW.MORLEYBUILDERS.COM)



BUILDING IN SOUTHERN CALIFORNIA  
FOR OVER 60 YEARS

## Inspired Growth

Turning rainwater into fresh air

### Quirky, Petal Drops

Taking its cue from Mother Nature, Petal Drops is designed to elegantly capture rainwater in any reusable bottle. The funnel (\$4.50) is constructed out of 100-percent recycled HDPE and screws directly on to any standard threaded water or soda bottle. Petal Drops fits into small spaces, and pebbles or pennies can anchor the bottle in case of a windy day. The simplicity and price of this product allows everyone to start living more sustainably.

**more information:** 866.545.4623 or [www.quirky.com](http://www.quirky.com)





### Nedlaw Living Walls, Indoor Air Biofilters

Nedlaw Living Walls has developed the only LEED recognized system that utilizes plants to filter out contaminants in an indoor environment. Air is actively forced through the wall of plants, as biological components degrade almost 90 percent of chemicals into water and carbon dioxide; the equipment then redistributes clean air. Prices range between \$150-\$400/square foot.

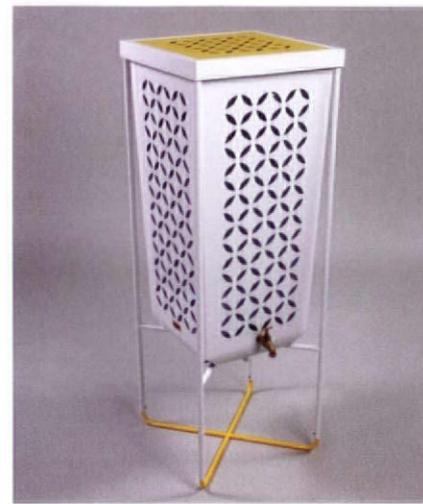
**more information:** 519.648.9779 or [www.naturaire.com](http://www.naturaire.com)



### Gordon Tait for Viteo Outdoors, Gardenwall

Australian designer Gordon Tait creates a room divider that merges indoor and outdoor areas. The modular system consists of stackable planters made of lightfast plastics that can attach up to three rows in height. Supplied with plants that blossom through the various openings, the Gardenwall combines green functionality with natural aesthetics. The price is \$160 per piece (24"x8"x22").

**more information:** 312.664.9582 or [www.viteo.at](http://www.viteo.at)



### Hero, RC-1

The reinvention of everyday objects into sustainable modern necessities is the mission of Hero; and its stylish rain collector (\$550) can hold 45 gallons of water. A filter prevents debris from entering the collapsible phthalate free bladder. Panels and legs are made of UV resistant polyester powder coated steel, available in white or brown.

**more information:** 416.902.8309 or [www.hero-365.com](http://www.hero-365.com)

-Karin Rose



### Waterwall Designs, Fatboy

Inspired by ongoing drought and the increased need for rainwater harvesting in metropolitan areas, the Fatboy was designed as a space saving rainwater tank for urban homes. The 650-gallon tank is made of UV stabilized high-density polyethylene and comes in cream, brown, brick red, or deep green. Prices start at \$1150.

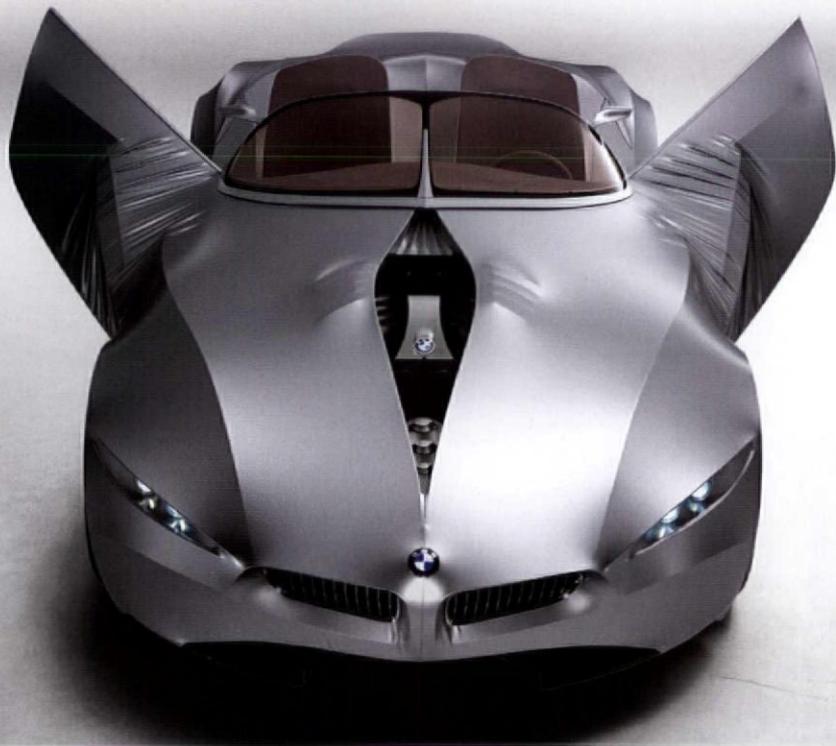
**more information:** 800.549.5514 or [www.waterwalltanks.com](http://www.waterwalltanks.com)



### Le Laboratoire, Andrea

Invented by French designer Mathieu Lehanneur with Harvard professor David Edwards, Andrea (\$199) is a 'living air filter' that purifies air by enhancing the metabolic properties of plants. It works 40 times more efficiently than a carbon filter, as a near silent fan draws polluted air into its system then circulates the oxygenated air back into the room.

**more information:** 011.33.178.09.49.63 or [www.andreaair.com](http://www.andreaair.com)



# Verena C. Kloos

BMW GROUP CONTEXT AND ADVANCED DESIGN DEPARTMENT HEAD

## A discussion on future, functionality and designing for different cultures

### You started in Colors & Trims. Is interior design a special love?

When I first came to DesignworksUSA I had run an interior design studio in Italy. I wanted to bring that flair enriching, complementing, and adding a style consciousness to the work instead of just producing good products. When you work for Deere and other hard goods manufacturers it's different than working for Landscape Forms, for example. The user experience is different. The good thing about having worked at BMW Designworks is that, occasionally, we can choose our projects and we can steer our work toward environmental [design], hospitality and sustainability. Now we can really furnish an entire house or office we have so many products—lighting, carpet, furniture.

Also, with interior design we really think about context and the environment it is being placed in. We are looking into the whole experience.

### How do you approach your design from a global perspective?

We look at how people use things. We go on immersion trips to other places and integrate our research into the design. For our 7-series, we went deeply into China to study. China is a large market for premium cars. In the US, cars are still being driven by their owners. In Asia, the 7 is a chauffeur's car. You have to make the back seat appealing and comfortable for the owner. We had some surprising findings studying Asia. They view wellbeing, health rituals, time and space [differently]; and Feng Shui plays a significant role. You cannot get all of your research out of reading. You have to experience the smell, the heat, the climate.

### Can you give us another cultural difference?

Cupholders in the '90s were always a topic. In the U.S. you have no autobahn, you have strict speed limits, you spend a long time in the car. In Germany, at 200 kilometers per hour you would not consider taking a sip of

your coffee. A designer has to experience how cold it can be to drive in Finland or Canada. You have to wear thick gloves and controls have to be larger, the steering wheel thicker to accommodate them. The culture and climate are very important. If you design out of one spot you don't understand these things.

### How do these insights relate to other projects you are working on?

Landscape Forms wanted a line of transit furniture that could be used globally. In Europe, people rely on mass transit. The cities have a different density and there is less vandalism so things can look more beautiful. It is important to understand the full picture. When you have more people on the street you reduce crime.

### You speak so much of the senses—smell, touch, sound. Other designers are not so articulate about the senses.

Maybe I'm very sensitive! The role of the

Jules Seltzer Associates  
and Herman Miller are  
proud to bring you

**S3**<sup>SM</sup>

SIMPLE. SENSIBLE. SOLUTIONS.



**A Jules Seltzer / Herman Miller® collaboration to combat the economic pressure!**

S3 makes sense for your business well beyond the **reasonable prices**. We give you service that goes from the time you order to after the furniture is installed - **very quick turnaround!** S3 is easy for you as well. We come to you and model what you want on a laptop so you see what you'll get before you buy. The product choices you have are as high quality as they are straightforward. There's nothing to get you bogged down or overwhelm you. We brought **scientific comfort** to the office. That means the fit between our furniture and your people is a healthy one. And with us, you know you're being good to the earth. Others may say their furniture is sustainable and "green." We prove it. **And we back all of our products with a full 12-year, 3-shift warranty.**

■ Jules Seltzer Associates



Representing Simple, Quick and Affordable Furniture

8833 Beverly Boulevard, Los Angeles, CA 90048 310.274.7243 [juleseltzer.com](http://juleseltzer.com)

“The role of the designer is to consider the holistic experience human beings have and then apply design to it.”

designer is to consider the holistic experience human beings have and then apply design to it. In America, you have so many over-scented retail environments. If I walk into the design studio here and it doesn't seem fresh I will ask the designers if it is fresh enough. Good surroundings are required for wellbeing, energy, and creativity.

#### What other roles does a designer play?

We also assign ourselves the role of cleaning things, cleaning space. Not in a radical way but in the sense of paring down. I was once speaking at a university and one of the professors made the comment, “The best design is to avoid products.” I don't agree 100 percent but there is truth in it.

#### Is every project a problem solving exercise or are some of them just to make something look cooler?

We always try to bring problem solving to it. We are not stylists. I don't want to disrespect stylists; they are important. That is a very soft side of our business. A good designer does both. Look at the iPod or these [Arad] chairs. They look simple, have a good price point, and are comfortable. It is not so simple to achieve that.

#### There is a trend in architecture to make smaller living spaces. Do you think those could be improved by looking at car/boat/plane design?

A major purpose of Designworks is to cross-fertilize from boat to car to plane to lobby to kitchen. There is always a crossover. We can come up quickly with new ideas because we design for so many purposes. It is not a direct transfer but a new solution in a different situation. The ships galley, an airplane toilet are very constrained spaces. It is a challenge to make it nice, clean and appealing not cramped with only functional design.

#### What does the future hold for design at BMW?

We are looking to get into mass transit. We have a lot to offer. What we have learned sitting in the back seat of a car, for example, is applicable to the experience of sitting on train. There is a lot in common that is easily



Images courtesy of BMW DesignWorks

PREVIOUS, LEFT: The GINA Light Visionary Model; RIGHT: The twisted profile of Landscape Form's bench symbolizes energy and motion. THIS PAGE, CLOCKWISE FROM LEFT: Emeco's popular aluminum chair reborn; The Dynamic Metro40 design reinterprets a bus shelter rail; The interior cabin of the new Falcon 7X business jet for Dassault Aviation.

transferred. We can provide a lot of value to this new sector. I think what is missing in mass transit is the sense of personal space. It's very different than being in a public space where you have a choice about where to be and you can get away from people that might annoy you. Design can make a big difference in improving the experience and making it comforting. Studies have shown that clean spaces stay cleaner and there is less vandalism.

#### And the future of design?

The role of design is to look beyond what you are designing for, to look at the whole

experience. I will be very interested to see what the tipping point is at Salone di Mobile. Designers do all of these furniture exercises just for their own pleasure, not considering where it will go. In our strategy research phase we look at the consequences of our design in one year, in five years, and over its life. We look at the possibilities of life-cycle management for the manufacturer. How the piece can be freshened up in the future without having to throw away the structure. We always deeply and steeply look at the consequences. We want to make life easier, to improve it. I hate clutter. We don't design it.

– Ann Gray

*The right light*

**LUXO**

**Luxo introduces the Ovelo at NeoCon**

The right light since 1935.

[www.LuxoUS.com](http://www.LuxoUS.com) | 800.222.5896

# Ground Force

Sustaining landscape design



## Wills Residence

Location: Los Osos, California

Designer: Jeffrey Gordon Smith Landscape Architecture

Website: [www.jgsdesigns.com](http://www.jgsdesigns.com)

After purchasing the adjacent lot to their home, the clients sought to expand their picturesque landscape instead of developing on the land. The designer wanted to express the regionality of the property into the project, reflecting the winding estuaries at the properties edge in the curved shape of the stone paths while the sheen on the concrete bench mirrors the still waters of the bay. The deck, reminiscent of the interior of an old ship, harks back to the nautical history of the coastal waters.

Sustainability was at the heart of the design, incorporating IPE decking sourced from FSC certified lumber, recycled glass in the fire pits, natural stone and permeable paving including Mexican pebbles to keep water from running offsite. A timed drip system was installed to prevent excess water consumption and steel was used for the railings. "Steel was chosen for its tendency to weather naturally and its ties to the strong nautical influence of the area," says project manager Tom Hessel, LEED AP.

"We integrated the native plants already growing on site with native and native-like plants to give the project a seamless quality," says Hessel. The plant palette includes coyote bush, juncus, pickle weed, yarrow and artemisias.

Photographs: Chris Leschinsky



## Quincy Court

Location: Chicago, Illinois

Designer: Rios Clementi Hale Studios

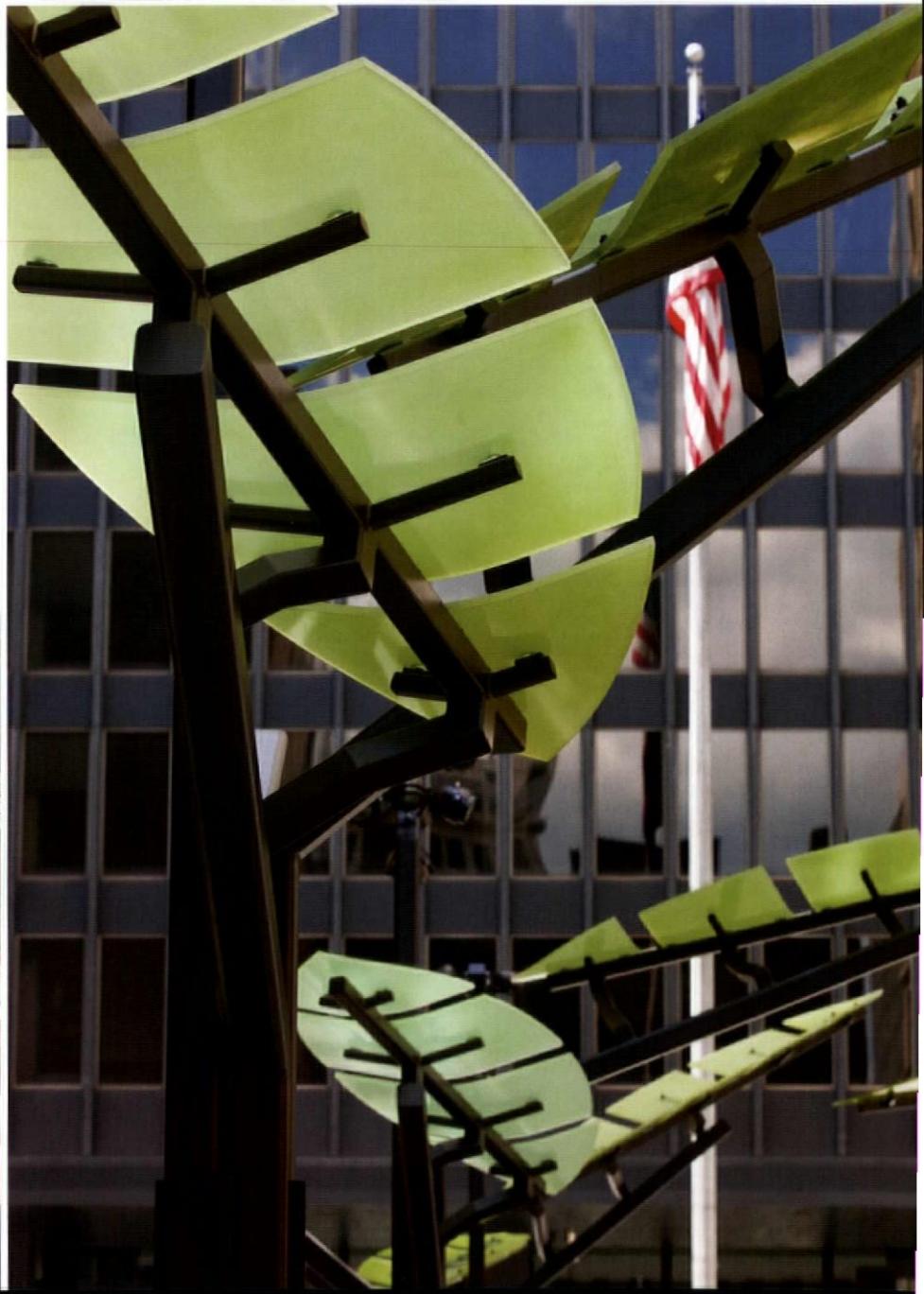
Website: [www.rchstudios.com](http://www.rchstudios.com)

U.S. General Services Administration purchased the service alley adjacent to the Mies van der Rohe-designed Federal Center to create added security and develop an appealing space for public use as a part of the nationwide First Impressions Program. The design team, one of two landscape architecture firms selected by the GSA, sought to incorporate elements of the site's heritage and current urban needs with special attention to color, shape and amenities.

"The site improvements provide a progression from the monumental architecture of the Federal Center to the pedestrian scale of State Street, adding to the security while creating spaces for people to gather, relax, and socialize amid Chicago's animated central business district" says principal Mark Rios, FAIA, FASLA.

The design evolved around three concept themes: canopy, urban oasis and light. In order to achieve a successful public space, the design team sought to incorporate these ideas into a space where pedestrians could sit, relax and engage civically. "The canopy elements and hardscape details tell the story of the site by alluding to the unique elements that form its character: the honey locust trees that create vibrant seasonal interest; the white terra-cotta detailing of historic Chicago buildings; the Miesian grid of the modernist plaza; and the reflected light patterns of the surrounding facades," says Rios. During winter the bold, graphic trees become sculptural elements, at night they provide ambient lighting and increase safety and during summer they provide shade.

Photographs: Scott Shigley





## DESIGN / GREEN

AWARDS FOR EXCEPTIONAL DESIGN

A competition to honor outstanding sustainable projects certified for their effectiveness, seamlessly integrating the language of design and sustainability, while redefining architecture.

We look forward to your entry of any certified project (LEED, BREEAM, LBC) completed 2005 or after.

Award winning projects will be presented at both the 2010 USGBC/LA Green Gala and AIA/LA Awards this Fall.

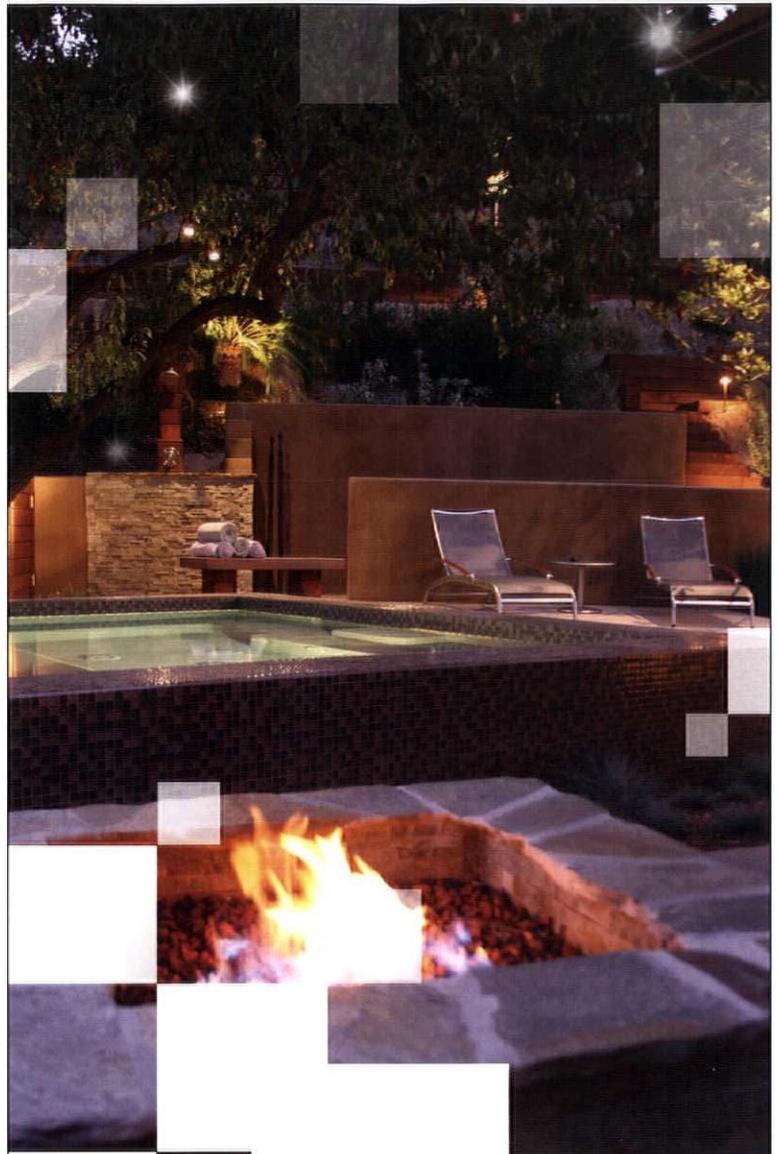
Please go to [www.afla.us](http://www.afla.us) to download Call for Entries, Sponsorship and Scholarship forms.

Entry deadline: July 30, 2010

For more information, contact [afladesigngreen@gmail.com](mailto:afladesigngreen@gmail.com)

## 2010 CALL FOR ENTRIES

AFLA ARCHITECTURAL FOUNDATION OF LOS ANGELES



# FORMLA™

LANDSCAPING

**DESIGN.** April 18-May 16  
Pasadena Showcase House

**BUILD.** May 15  
La Cañada Public Library

**SUSTAIN.™** June 25-27  
Dwell on Design LA

[info@formlainc.com](mailto:info@formlainc.com) · po box 441 tujunga, ca 91043  
p 818.353.7030 · p 310.979.9002 · f 818.353.6837  
[www.formlainc.com](http://www.formlainc.com) · CL #746838



## Malibu Lumber Yard

Location: Malibu, California

Designer: ValleyCrest Design Group, RTK Architecture

Website: [www.valleycrest.com](http://www.valleycrest.com)

Preserving the historical significance and community spirit of the iconic lumberyard was a key element in creating the 32,000-square-foot eco-friendly, outdoor lifestyle retail center. The designers wanted to resurrect the initial character of the site through a modern interpretation, incorporating lumber materials once produced on site. Choosing a palette of natural shades derived from Corten steel, corrugated metal, galvanized steel, polished concrete, sustainable Brazilian hardwood, and reclaimed wood siding from a 100-year-old barn reinforced this goal of marrying the past with the present. Three vertical saltwater aquariums create compelling focal points while also reminding visitors of the nearby ocean.

Historic preservation and environmental sensitivity were equally important components of the design. The project replaced 75 percent of the site's impervious surface with pervious materials such as decomposed granite and incorporated cutting edge water and energy conservation techniques including drip irrigation, recycled water, low-flow faucet and toilets, and waterless urinals. Moreover, the onsite waste-water treatment center can treat up to 17,000 gallons of waste water daily.

Vertical and sky gardens were designed to mitigate heat and promote eco-friendly solutions. The designers focused on plants that thrived in a coastal environment of salt exposure and wind, featuring sustainable plantings such as Kentia Palms, philodendrons, exotic succulents, a 60-year-old aloe tree, and California native plants.

Photographs: Robb Williamson

# This is not a fluorescent tube.



This is the future of environmental lighting. At only 14.7 watts per tube, the *relight T.LED* fluorescent tube replacement is over 56% more efficient than a fluorescent tube. They also last over 4 times longer. *relight T.LED's* are recyclable, containing no toxic Lead (Pb) or Mercury (Hg). Our lights are also internally driven, needing no expensive ballasts or starters.

Will the *relight T.LED* replace the fluorescent tube?

It already has.



Listing #E319244

818.988.9028 tel  
info@rethinkenv.com

www.rethinkenvironmental.com



# Paris

## Women & Bicycles

PHOTOGRAPHS BY GIL GARCETTI



ISBN 978-1-890449-52-0  
Softcover 128 pp  
9 1/2" x 11 1/2"  
150 color images



BALCONY PRESS  
818.956.5313  
www.balconypress.com

April 1, 2010  
\$45

# Fontana Park

Location: Fontana, California

Designer: BMLA Landscape Architecture

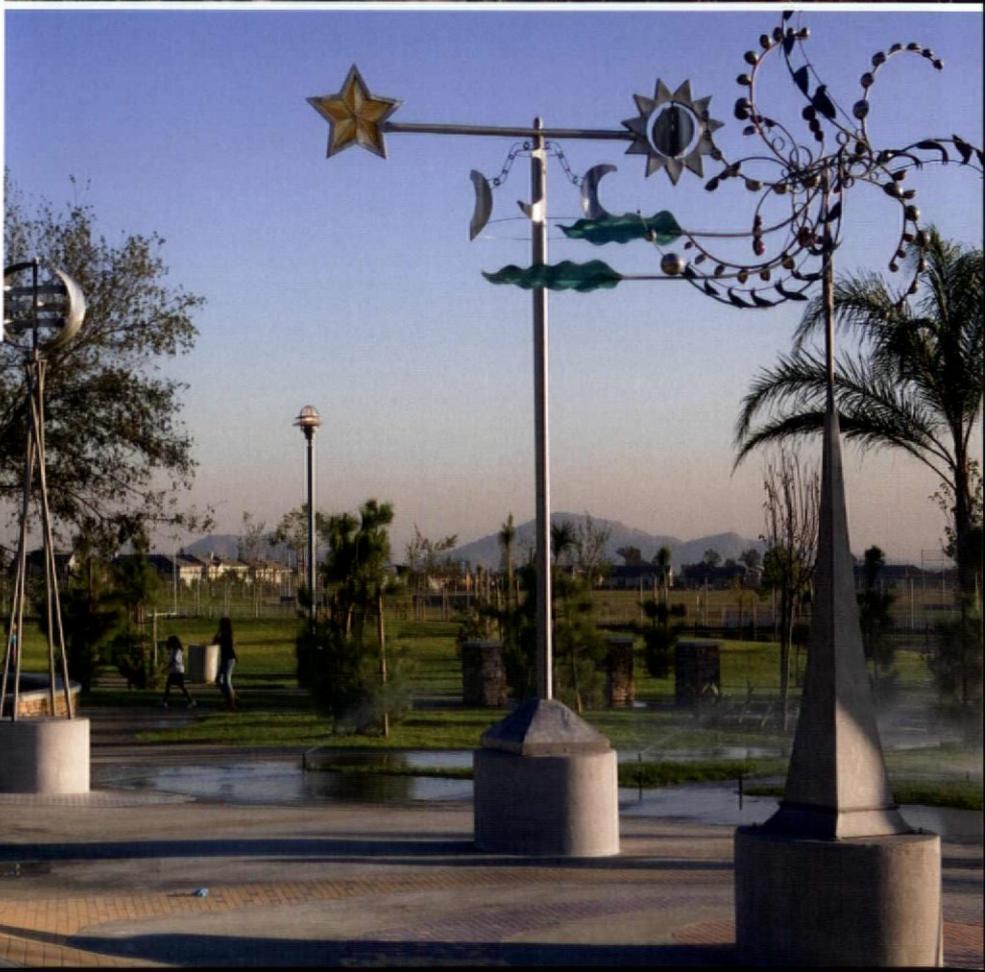
Website: [www.bmla.net](http://www.bmla.net)

The 38-acre park was born from the need to unify the sprawling community of Fontana through a public space. "Early in the process of programming and conceptualizing the park, community leaders and citizens brought to the planning table the idea of bringing to life a culture of community health through activity," says Baxter Miller, president of BMLA. The design team approached the project from a multi-generational standpoint, incorporating a 43,000-square-foot community center, a play area including a 2-acre tot lot with rubberized hills, a formal promenade and open playfields.

The original site of the park featured angled trees shaped by the strong winds from the Cajon Pass, so in response the design team created a whimsical play space with kinetic sculptures and wind-driven art. "One of the interesting parts of developing play spaces is the creative input that you get from the artisans who sculpt and fabricate the feature that you design," says Miller. Two themes—Shipwreck and Bug Garden—emerged for the play area and the design team turned to Cemrock to fabricate the sculptures out of foam and glass fiber reinforced concrete.

Paths link the skate park to the community center and pool and offer breathtaking views of the San Gabriel Mountains to the North. "We planned the grading to eliminate import and export of soil and specified plant material that was grown by local nurseries and exclusively California friendly," says Miller. The promenade is lined with London Plane Trees and 117 palms, including two Ponytail Palms and seven Mediterranean Fan Palms, accent the Aquatic Center

Photographs: Jack Coyier Photography



LIVING GREEN  
IS JUST THE BEGINNING



WHERE WE DINE  
WORK  
PRAY  
LIVE  
GROW  
PLAY  
HEAL  
CURE  
STAY

DISCOVER ALL THE WORLDS  
OF INTERIOR DESIGN

FIND A PROFESSIONAL  
TO HELP YOU CREATE YOURS  
AMERICAN SOCIETY OF INTERIOR DESIGNERS

**CA LOS ANGELES CHAPTER**  
PACIFIC DESIGN CENTER  
8687 MELROSE AVENUE, SUITE B241  
WEST HOLLYWOOD, CALIFORNIA 90069

L.A. MART DESIGN CENTER  
1933 S. BROADWAY, SUITE 1016  
LOS ANGELES, CA 90007

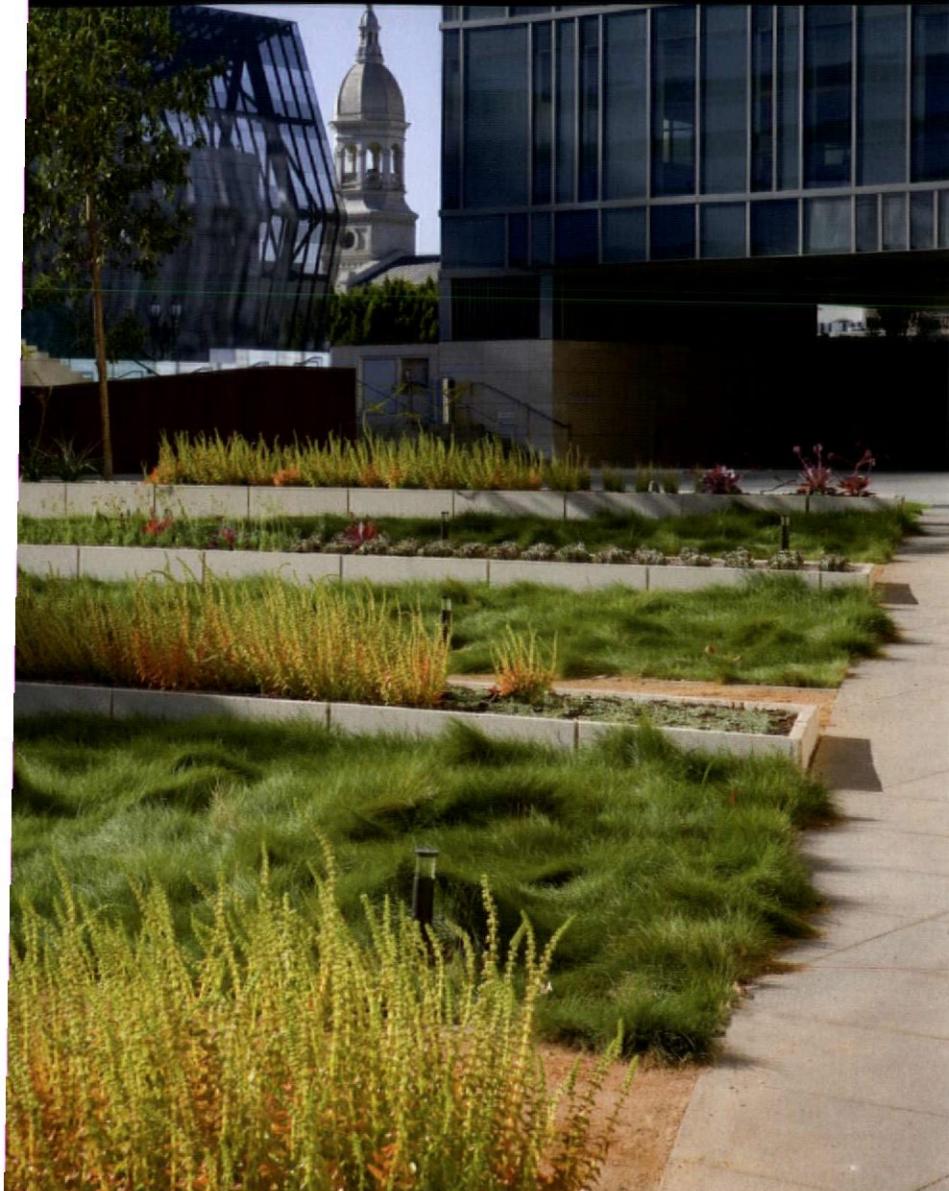
**CA PASADENA CHAPTER**  
1000 E. WALNUT STREET, SUITE 108  
PASADENA, CA 91106



asidoffice@asidla.org  
(310) 659-4716

asidpasadena@sbcglobal.net  
(626) 795-6898

WWW.ASIDLA.ORG  
WWW.ASIDPASADENA.ORG



## LAPD Police Administration Building

Location: Los Angeles, CA

Designer: Meléndrez Design Partners

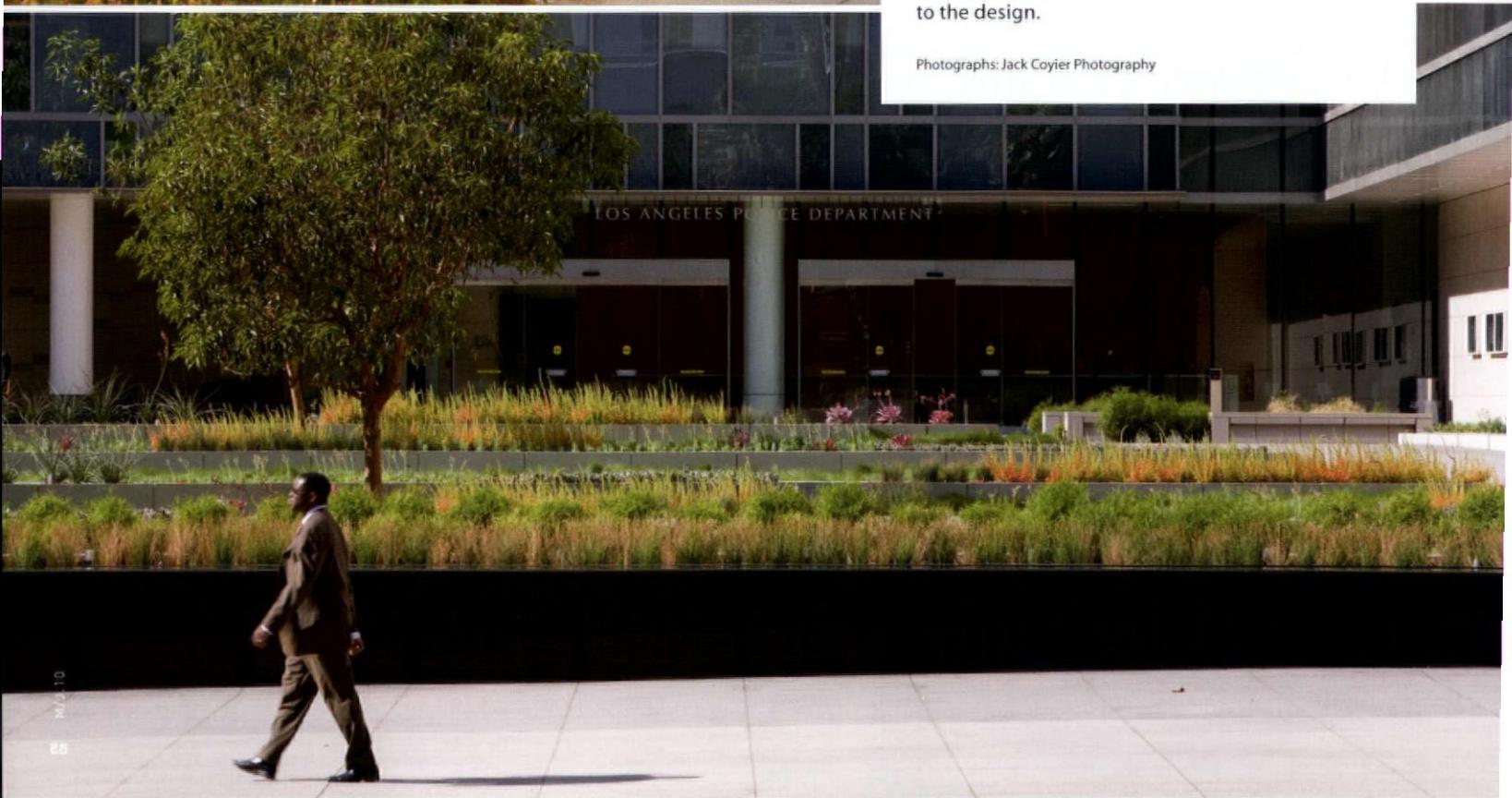
Website: [www.melendrez.com](http://www.melendrez.com)

Landscaping in an urban environment often is challenging; many urban projects do not have enough space to create interactive green environments. As a result, landscape architects must be efficient in their design. In this case, the client wanted to express their connection with the community through inviting public spaces where residents can live, play and interact with one another and the police department while also following security criteria associated with institutional facilities. In order to maintain a sense of openness, the designer addressed security concerns in less obtrusive ways to avoid a feeling of forbidden entry.

Instead of creating impenetrable edges around the building, the design team built planters, rising slowly from street level to the entry of the building. Bollards are substituted with an elegant water feature, a double row of sycamore trees and elevation changes create subtle barriers and alluring elements.

The design team viewed the landscaping as a quiet response to the building's elegant and contemporary architecture. The plants selected reflect a lush, vibrant and verdant landscape, incorporating both native and non-native vegetation. Mexican palo verde trees create a veil of green along Spring Street, and Brisbane box trees in the First Street plaza complement the magnolias by City Hall. New Zealand flax, rosemary, red yuccas, agaves and succulents add dimension to the design.

Photographs: Jack Coyier Photography





## LOS ANGELES

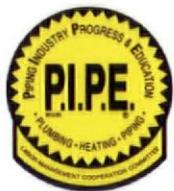
# The U.S. Green Building Council Los Angeles Chapter (USGBC-LA)

We are a high-performing nonprofit organization incorporated in 2002 by a motivated and diverse group of individuals with a common interest in environmental conservation.

USGBC-LA expresses a commitment to promote sustainability in LA County's built environment by delivering access to knowledge, resources, recognition and networking.

---

USGBC-LA would like to thank our  
Platinum Founding Sponsors for their continued support.



**BENTLEY PRINCE STREET**

---

U. S. Green Building Council-Los Angeles Chapter  
444 S. Flower Street, Suite 525, Los Angeles, CA 90071  
213.689.9707 [www.usgbc-la.org](http://www.usgbc-la.org)



eco-design



# PLANES, TRAINS & AUTOMOBILES

Turning transportation into  
environmentally-friendly design

BY KEITH LORIA





Rendering courtesy of Solar Impulse

LEFT: The interior stairwell of the Qantas A380  
RIGHT: A simulation rendering of the Solar Impulse

In a quest to make the world more environmentally friendly, green products and sustainable solutions have been incorporated into many of today's transportation designs, as planes, trains and automobiles are becoming more fuel efficient and eco-friendly.

The pioneering spirit that enabled man to conquer space in the 20th century is fueling our desires to find solutions to reduce our dependence on oil in the century ahead, not by reducing mobility and personal comfort but by experimenting with renewable energy and innovative design. The answer does not exist in one magic pill, instead a combination of solutions build upon each other to create a sustainable picture stronger than its individual strokes.

### Up in the Air

In 2005, Airbus unveiled plans for its environmentally friendly jumbo jet, the A380, and Qantas quickly jumped on board as its first customer, integrating six in their fleet in 2010. "The A380 sets the standards for the 21st century," said Tom Enders, Airbus President and Chief Executive Officer. "More than 380 patents onboard underline the aircraft's leadership in eco-efficiency and innovation and will allow Qantas to continue to grow whilst reducing its impact on the environment."

With its greater capacity and unprecedented environmental friendliness, the A380's design allows it to produce half as much noise

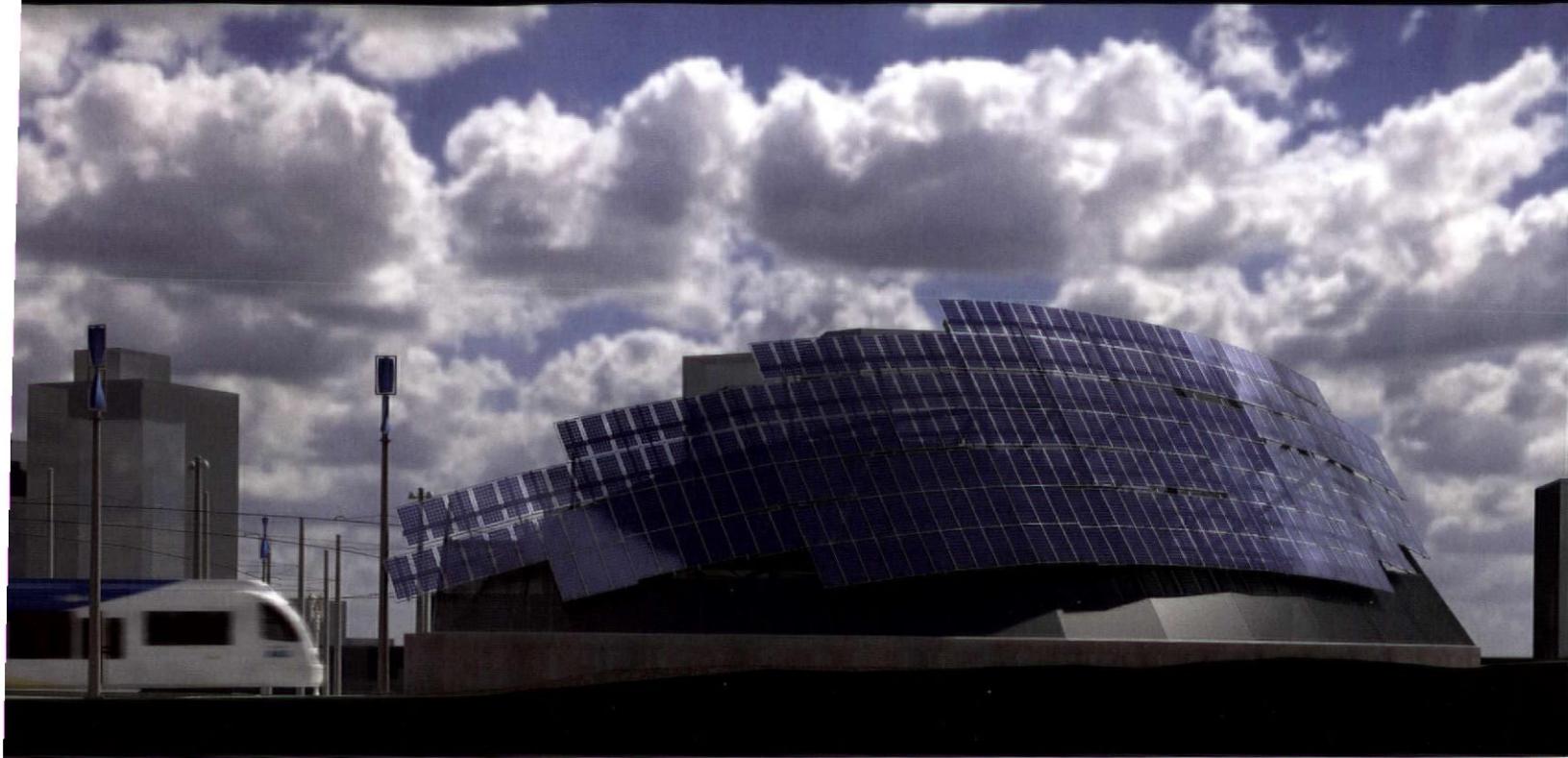
on take-off as its competitor and consumes less than three liters of fuel per passenger over 100 km of travel, a rate comparable to that of an economical family car.

Onboard the aircraft boasts cutting edge design led by Qantas Creative Director Marc Newson, who created the cabin of the double-decker jumbo plane, working on everything from the seating to the lighting to even the cutlery. The award-winning design includes 14 first-class suites that incorporate a fully flat bed outfitted with a foam mattress, sheepskin overlay and cotton sheeting. The Edelman leather seats face a dining table designed for two; the space also features a personal dresser

unit and electronically-controlled dual layer window shades.

In 2007, Boeing unveiled an eco-friendly plane model called the "787 Dreamliner," which Boeing claims uses 20 percent less fuel, produces 20 percent lower emissions and also decreases maintenance costs by 30 percent from typical aircraft such as the 747. The 787 also promises a more comfortable flying experience for passengers. Its innovations include a new interior environment with improvements in air filtration, higher cabin pressurization resulting in reduced physical fatigue, larger windows, more stowage space, improved lighting and other passenger-preferred conveniences.

Runways of the future may accommodate the Solar Impulse HB-SIA, the first airplane designed to fly without fuel, which left the ground at Switzerland's Dübendorf Airfield for the first time in December 2009, and proceeded to fly 350 meters at an altitude of one meter. "For over ten years now, I have dreamt of a solar aircraft capable of flying and promoting renewable energy," says Bertrand Piccard, who along with André Borschberg, designed Solar Impulse with the wingspan of a Boeing 747-400 and the weight of an average family car. Over 12,000 solar cells mounted onto the wing supply renewable energy to the four electric motors with a maximum power of 10 HP each. Lithium-polymer batteries permit the HB-SIA to fly through the night.



## On Track

Many of today's green-inspired trains are powered by magnet technology, which enables increased propulsion chain efficiency via a permanent magnet motor. This type of motor results in lesser operating costs as well as far reduced environmental impact.

In 2009, \$10.5 billion was set aside for high-speed rail lines in the U.S. in hopes of spurring high-speed rail transportation. "We've always known that electric high-speed trains represent a tremendous opportunity to meet greenhouse gas reduction goals by removing cars from the road and by slowing demand for additional air travel," says Judge Quentin L. Kopp, Chairman of the High-Speed Rail Authority. "We welcome the news that this train is even greener, in that it can be powered with none of the emissions that cause global warming."

Portland is making great strides in marrying high-speed rail with sustainable and exciting design. The TriMet Portland Mall Light Rail South Terminus designed by Hennebery Eddy Architects will serve as a gateway to downtown, incorporating photovoltaics and wind turbines as sources of renewable energy. "Infrastructure projects are born out of necessity usually with little regard to the associated impacts or opportunities," says project associate David Byrne. "For the South Terminus the design team sought to engage and elevate the form follows function mantra by enhancing the program elements on the site."



TOP AND BOTTOM: Renderings of solar inspired TriMet Portland Mall Light Rail South Terminus.

The initial concept of the design aims to capture and express the kinetic energy of trains moving through the site. A large sculptural framework skinned with the photovoltaic panels and coil drapery will revolve around a large ovoid public space.

Reclaimed aggregate and granite blocks salvaged from the former Transit Mall will serve as building materials and terraced edges will prevent storm water from running off into the city's sewer system.

Renderings courtesy of Hennebery Eddy Architects

## Behind the Wheel

In the age of the Prius and the Volt, car manufacturers are increasingly focused on designing smart cars but where will we house all of these eco-friendly vehicles?

Parking designers are embracing practices such as using recycled materials, solar panels and energy-saving lighting to turn concrete rooftops into green surfaces to reduce storm-water runoff.

Rich & Associates, a parking consultant based in Southfield, Mich., designed the Blue Cross Blue Shield garage in downtown Detroit, one of the first parking garages to meet Leadership in Energy and Environmental Design standards set by the U.S. Green Building Council.

"Within the past five years, it's been a growing segment of the industry. Any parking garage that we're involved in from a design standpoint balances constraints of a budget with the desire and philosophy of a green building," says Dave Rich, director of business development for the company. "In the past, there wasn't much consideration for the context of the architecture, it was only for a functional purpose. Now, we are very cognizant of how the facades integrate in the urban fabric of where they are being placed."

On a more recreational note, Tilke Engineers & Architects is finishing up designs for Atlanta Motorsports Park, on its expected opening at

the end of 2010, will be the world's only sustainable racetrack in the world.

"Our world class facility is being created with the 'green' objective of reducing our carbon footprint," says Jeremy Porter, CEO of Atlanta Motorsports Park. "Just because I like to drive cars fast, does not mean I like to pollute." The plans include a sustainable building design, waterless urinals, tank-less water heaters, reclaimed water for the irrigation system, recycling of garbage and oil, the maximum efficiency HVAC available today, thermal resistant windows, supplementary insulation, and the use of high-efficient lighting and florescent bulbs. ■

**BELOW:** The roof of the parking garage at the Blue Cross Blue Shield of Michigan headquarters utilizes greenery and a track made of recycled tires.



PARIS





# TOUR DE PARIS

In his new book, photographer Gil Garcetti captures the city's love affair with "Women & Bicycles"

I WAS IN PARIS NEAR THE PLACE DE LA CONCORDE. IT WAS AROUND 8:30 AM and people were on their way to work. I saw many women of all ages and sizes riding in bicycle lanes. What stood out was the number of women riding bicycles and, especially, the beauty of their dress and the confident manner with which they rode. While I believed the images and story would be compelling, I quickly realized that there could be a much larger purpose to this project. What if we could get urban areas in the United States to replicate what Paris had been able to accomplish by promoting safe streets and, thereby, reduce traffic congestion and improve air quality and the health of their citizens? The photo book would be used as a calling card to meet with local government officials and to give speeches and presentations to groups and organizations that could help make their cities become less car dependent and friendlier to bicyclists. With reduced traffic congestion and improved air quality and health, it would be a win-win situation. —Gil Garcetti

*Paris: Women & Bicycles* (\$45; Balcony Press 2010) debuts this month.

CULTE DE MEDECINE O



33





“I love my purple bike. I get around faster, no distance is too great, I never get stuck in traffic, and I’m never on that holy quest to find parking.”

—A Parisian cyclist



# REBORN IDENTITY

BY MICHAEL WEBB



Caixa m



## Adaptive re-use takes an environmentally conscious approach to building but how can landmarks be transformed innovatively?

**DOCTRINAIRE MODERNISTS, FROM LE CORBUSIER** on, were as determined to sweep away the past and construct a brave new world as were Lenin and Mao in the political sphere. They encountered fierce resistance, for most people cling to what they know and reject the unfamiliar. In architecture, as in politics, every revolution inspires a reaction, and the allure of progressive ideas lost its luster in the 1960s. Wholesale urban clearance and the proliferation of banal modernist buildings spurred a preservation movement that strives to protect every fragment of the past.

Architects are increasingly active in the middle ground between these two extreme positions, creating a dialogue of old and new. Across America and, still more in Europe, disused factories, banks, churches, water towers, castles, warehouses, power stations, and even a submarine base and an air raid shelter have been meticulously restored and inventively transformed to play new roles. Those purposes include museums and creative workplaces, hotels and cultural centers, residential and recreational spaces.

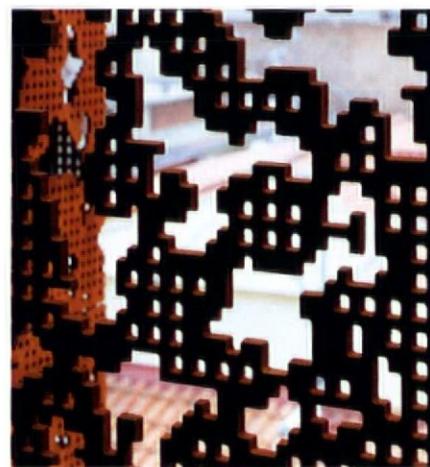
Adaptive re-use can be as creative as ground-up building. Airy structures of wood, steel, and glass are juxtaposed to startling effect with massive shells of stone, brick, and concrete. Roofs are opened up to infuse interiors with natural light. Ruins are framed and the patina of old walls enriches the experience of users and visitors. Preserving these elements reinforces the continuity of history and the spirit of place. Landmarks fare best when their vitality and economic potential is renewed, and fresh patterns of use enrich the neighboring community. It's also a green strategy, minimizing the disruption and expense of new construction and combining the best of traditional and innovative technologies.

The Caixa Forum in Madrid is a model of how to infuse an inert landmark with utility and delight. Herzog & de Meuron transformed

a disused power plant into a showcase for a contemporary arts foundation, much as they turned London's Bankside Power Station into the Tate Modern. Here, they were working on a more intimate scale, across a busy highway from the Prado Museum, and the challenge was to open up the historic quarter in back to the street and make the area more pedestrian friendly. To do this, they removed the stone base and propped the brick cube on three massive supports, adding faceted planes of stainless steel to the underside and creating a shady plaza. Patrick Blanc added one of his vertical gardens to a blank wall and the brick cube was extended upwards by a carapace of Cor-ten steel. The interior was gutted and a sculptural staircase links the basement auditorium to the top-floor restaurant. There the Cor-ten wrapper is pierced to throw a dappled pattern of light and shade across the room, evoking the Moorish tradition in Spanish architecture.

Radical yet respectful of the surroundings and fabric of the old building, Herzog & de Meuron achieved an equilibrium of past and present. Norman Foster has demonstrated a similar mix of sensitivity and boldness, starting with London's Royal Academy, where he inserted a steel and glass structure that links two historic buildings, revealing a classic façade that was previously concealed. The glass canopy over the courtyard of the British Museum and the dome over the Reichstag do similar things on a heroic scale, but his most provocative intervention to date is the Hearst tower in mid-Manhattan. Joseph Urban designed a fanciful podium in 1929, but the tower he intended was never realized. Foster's tower is an independent structure that employs the old shell as a lofty, light-filled atrium, and its faceted facades play off Urban's art deco geometries.

The audacity of that juxtaposition is rarer in the US than in Europe, Le Corbusier toured



OPPOSITE: The sculptural addition to the Caixa Forum in Madrid reflects the surrounding roofscape. INSET: A detail of the pierced Cor-ten wrapper.

America in the 1930s and titled his account of that trip, "Voyage to the Land of the Timid." It was an unkind thrust, given the deep conservatism of European countries in that era, but he anticipated the shift that occurred fifty years on. Once a hub of innovation in architecture and design, the U.S. now lags behind, and its best talents enjoy greater opportunities abroad than they do at home. European cities cherish their legacy but welcome originality, beside and within historic buildings. When Berlin was reunified, a reactionary planner demanded that every centrally located structure conform to traditional models, and a great opportunity to reinvigorate the city was squandered. But Gehry and others have accomplished wonders behind the staid facades. Elsewhere in Germany, and even in Paris and Amsterdam, there are constant jolts of invention to remind us that we are enjoying a dynamic work of art. It's time for America to abandon its nostalgia for a romanticized past, reject the deceit of contextualism, and embrace the best of the new. ■



TRUSTWORTHY  
~SINCE 1888~

**AIA Contract Documents**, the industry standard for 120 years, is the most trusted source for your contract needs.

AIA Contract Documents are the most **widely accepted** and understood in the industry. The 2010 update of AIA's most frequently used agreements is available in a variety of **easy-to-use** electronic and paper formats. The **intuitive Microsoft® Word-based** software option gives you the most **trusted, comprehensive** suite of editable documents available. To find out more, visit us online at [www.aiacontractdocuments.org/architect](http://www.aiacontractdocuments.org/architect).

AIA Contract Documents are available for purchase through **AIA Los Angeles**. Visit our website [www.aialosangeles.org](http://www.aialosangeles.org) and click on "Download the **2010 AIA Documents price list and order form**" to begin creating your order.

**AIA Contract Documents®**  
THE INDUSTRY STANDARD.  
2010 Update

INTERNATIONAL INTERIOR DESIGN ASSOCIATION  
SOUTHERN CALIFORNIA CHAPTER *presents*

The Twenty Second Annual

# CALIBRE AWARDS



Honoring Design Excellence, Consultant Teams  
& Our Industry's Future Designers

## GALA EVENT

May 14, 2010

For tickets visit [www.iida-socal.org](http://www.iida-socal.org) or call 213.747.2391

### Sponsors

#### *Media*

FORM Magazine

#### *Sustaining*

Bentley Prince Street

#### *Patron*

Haworth

Teknion/Sidemark

#### *Donor*

Environmental Contracting

Howard Building Corporation

Interface

Tandus

#### *Friend*

Herman Miller

Knoll

Shaw Contract/

The New Patcraft & Designweave

Steelcase

USG

*Calibre Environmental Award*

Bentley Prince Street

# CREDITS

## Fontana Park

**LANDSCAPE ARCHITECT & PROJECT TEAM LEADER:** Baxter Miller, President,  
BMLA Landscape Architecture  
**GOVERNING AGENCY:** City of Fontana  
**CIVIL ENGINEER:** Madole & Associates  
**ARCHITECT:** John Bates Associates  
**IRRIGATION ENGINEER:** Scaliter Irrigation Engineering  
**LIGHTING ENGINEER:** Reedcorp Engineering  
**WAYFINDER:** Hunt and Associates  
**AQUATIC DESIGNER:** Aquatic Design Group  
**SKATE PARK DESIGNER:** Site Design Group  
**KINETIC SCULPTURE:** Cornermark Fine Art  
**GENERAL CONTRACTOR:** Douglas E Barnhart Inc.  
**CONSTRUCTION MANAGEMENT:** Caltrop  
**PHOTOGRAPHER:** Jack Coyier

## LAPD Headquarters

**CLIENT/OWNER:** Bureau of Engineering, City of Los Angeles

### MELÉNDREZ TEAM:

Scott Baker, Principal-in-Charge  
Matson Walter, Project Manager  
Duane Border, Lead Designer  
Tony Chacon, Landscape Architect of Record

### ARCHITECT: AECOM

**AECOM DESIGN TEAM:** Susan Bartley, Paul Danna, Jonathon Haynal,  
Peter Lattey, John Martin, Fredrik Nilsson, Jose Palacios, Drew Pedrick

**STRUCTURAL ENGINEER:** Nabih Youssef Associates

**MEP ENGINEER:** TMAD

**CONTRACTOR:** Tutor-Saliba Corporation

**PHOTOGRAPHY:** Jack Coyier Photography

## Malibu Lumber Yard

**DESIGN TEAM:** ValleyCrest Design Group, RTK Architecture  
**LANDSCAPE CONTRACTOR:** ValleyCrest Landscape Development  
**DEVELOPMENT MANAGER:** TDG Corporation  
**CONTRACTOR:** Matt Construction  
**CLIENT:** Malibu Lumber LLC  
**PHOTOGRAPHY:** Williamson Images

## Quincy Court

**OWNER:** US General Services Administration

**ARCHITECT:** Rios Clementi Hale Studios

### PROJECT TEAM:

Mark Rios, FAIA, FASLA, principal in charge  
Frank Clementi, AIA, principal  
Jennifer Cosgrove, AIA, project architect  
Randy Walker, director of environmental graphics  
Therese Kelly, designer  
Siobhan Burke, designer

**CONSTRUCTION MANAGER:** Hill International

**ELECTRICAL ENGINEER:** MDC Engineers

**STRUCTURAL/CIVIL ENGINEER:** KPFF Consulting Engineers

**LIGHTING CONSULTANTS:** Kaplan Gehring McCarroll

**GENERAL CONTRACTOR:** FH Paschen

**PHOTOGRAPHER:** Scott Shigley

## Wills Residence

**ARCHITECT:** JGS Landscape Architecture

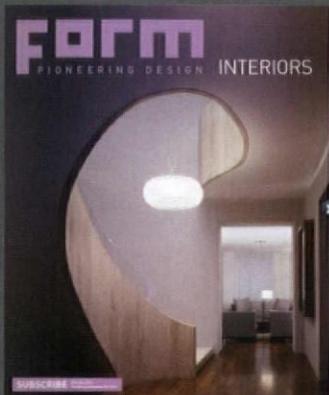
**DESIGN TEAM:** Jeff Gordon Smith, Rob Chang, Danielle Cegelski

**CONTRACTOR:** Casey Johnston Construction, Sage Landscapes

**PHOTOGRAPHER:** Chris Leschinsky

# FORMmag.net

Sign up as  
a member



Read  
Post  
Comment  
Discuss

FORM Digimag available  
to qualifying members

**FORM**  
PIONEERING DESIGN



**Navigator**  
Cross-media, Inc.

LARGE-SIZED DIGITAL OUTPUT  
FOR CREATIVE PRESENTATIONS

peter@navcm.com  
626.222.5646

# SOURCE

## Classic Design

Established in 1986, Classic Design has grown into one of the most sought after custom design and upholstery services in Los Angeles. We perform a wide-range of services, from custom furniture and interiors, wall upholstery and draperies, restoration and repair, and custom accessories for all residential and commercial spaces.

[www.classicdesignla.com](http://www.classicdesignla.com)  
[info@classicdesignla.com](mailto:info@classicdesignla.com)  
310.324.1600



## EnviroGLAS

EnviroGLAS converts recycled glass and porcelain into elegant, sustainable hard surfaces and landscaping materials. Unique mixtures of glass and porcelain are combined with custom colored epoxy resin, then poured by hand to create exquisite terrazzo applications for flooring, walls, counters and tabletops. EnviroGLAS surfaces are low maintenance, extremely durable, have a lifecycle of over 40 years and contribute to 8 or more LEED credits.

[www.enviroglasproducts.com](http://www.enviroglasproducts.com)  
972.608.3790



## Shade Sails

Shade Sails is a leader in providing design, engineering and fabrication of tensile fabric shade structures. These soaring shade structures can float over eating or play areas. Custom designed for each application, they can be attached to existing structures or to columns.

[www.shadesails.com](http://www.shadesails.com)  
[shadesails@charter.net](mailto:shadesails@charter.net)  
562.945.9952



## Repurpose® Compostables Inc.

Repurpose® Compostables Inc. is a bioplastic manufacturing, sales, and distribution agency offering a full line of high-end compostable products including cups and utensils. Repurpose also works to retrofit any traditionally petroleum based product with a bioplastic alternative at a competitive price.

[www.repurposenow.com](http://www.repurposenow.com)  
[brian@repurposenow.com](mailto:brian@repurposenow.com)  
800.615.6476



## Architectural Illustration

LA based free-lance illustrator, Ernie Marjoram offers a blend of traditional and digital techniques to create concept sketches, finished perspectives as well as rendered plans and elevations for architects and interior designers. With architectural training and more than 10 years experience as an illustrator, Ernie's drawings can help get your design ideas approved by clients, government agencies and public review boards.

**Ernie Marjoram**  
[www.erniemarjoram.com](http://www.erniemarjoram.com)  
323.939.7690



## Genie Scientific

Now you can have the same caliber industrial metal furniture that was previously exclusive to the laboratory industry. We have rolled our 30 years of trusted experience into creating and manufacturing innovative designs for desired settings at home, office, movie sets, and lofts to name a few. We know what we're doing and we'll get it done together, from concept to delivery.

[www.geniescientific.com](http://www.geniescientific.com)  
[contact@geniescientific.com](mailto:contact@geniescientific.com)  
800.545.8816



## Stacy Dukes

LoTide is first in a series of custom sculptural site furniture. Located at "The Strand" in Manhattan Beach, the benches are conceived from industrial waste, sustainable and purpose built. The bonded ceramic crystals are porcelain in appearance, available in a range of colors, highly damage resistant and virtually maintenance-free. Stacy Dukes Design creates solution driven products with work focusing on green and sustainable R&D. In the spirit of green.

[stacy@stacydukesdesign.com](mailto:stacy@stacydukesdesign.com)  
714.241.9144

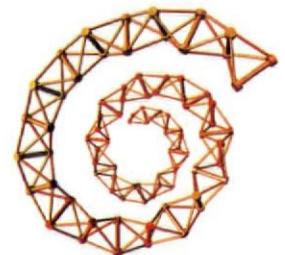


## Cami Systems

imagination + innovation = creative solutions

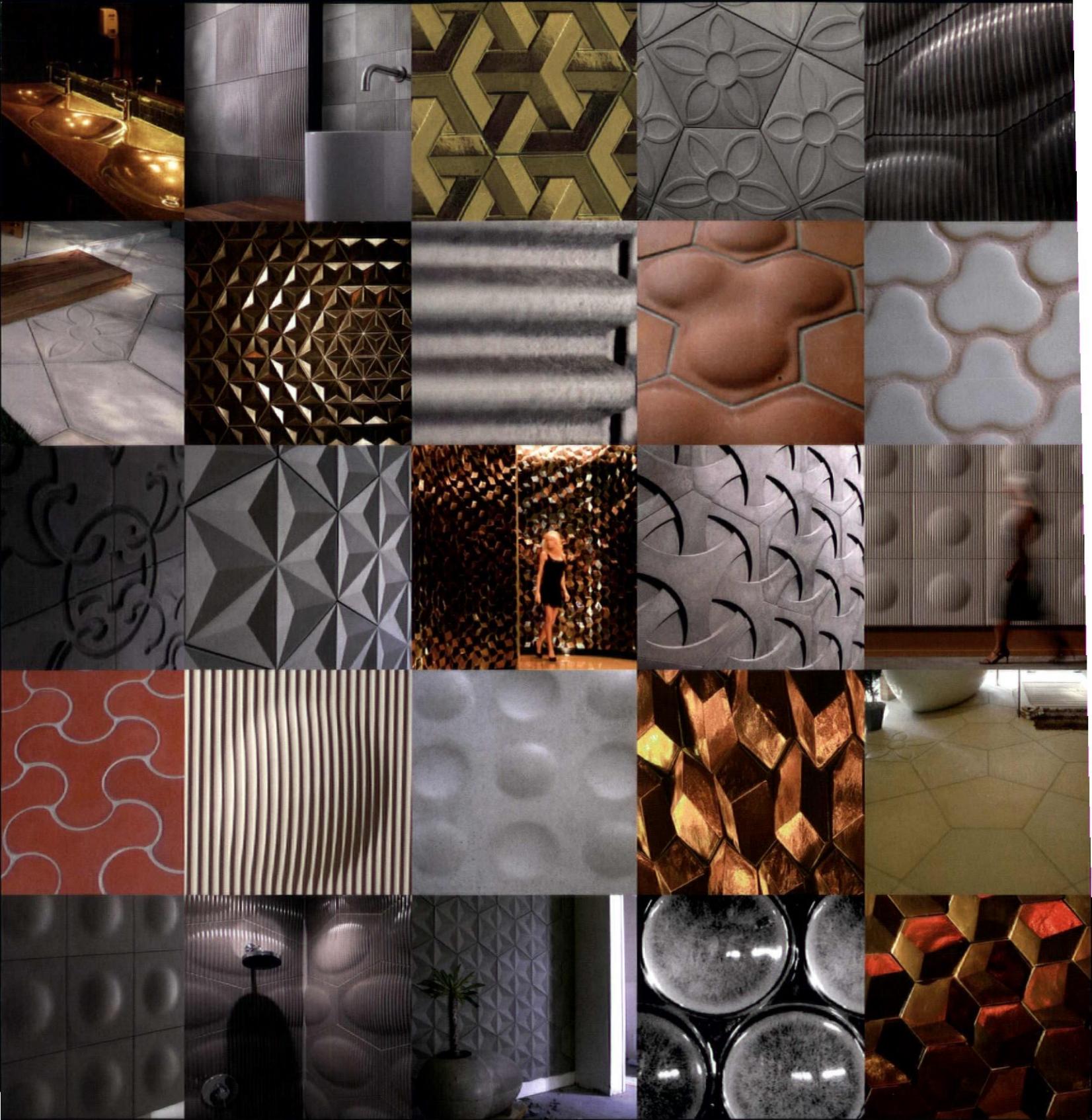
Cami Systems architectural and structural products and trusses are modular, recyclable, easily transported and installed. They offer economical solutions for straight, curved, compound curved, and multi-dimensional architectural and entertainment challenges.

**Jake Claypool**  
**Bruce Campbell**  
[www.camisystems.com](http://www.camisystems.com)  
310.962.7459



CAMI SYSTEMS





DANIEL OGASSIAN

fine facades, ceramics, tiling and architectural products-custom O G A S S I A N . C O M - tel 310.306.2636 - e: sales@ogassian.com - LOS ANGELES



**SPARK**  
modern fires

**Fires That Inspire** As the leader in modern gas fireplaces, our mission is to offer fires that inspire. Whether indoor or outdoor, from 2' to 8', vented or vent-free, our award-winning fireplaces create relaxed gathering spaces. See our photo gallery of inspirational installations at [www.sparkfires.com](http://www.sparkfires.com) or contact us directly at **866.938.3846**