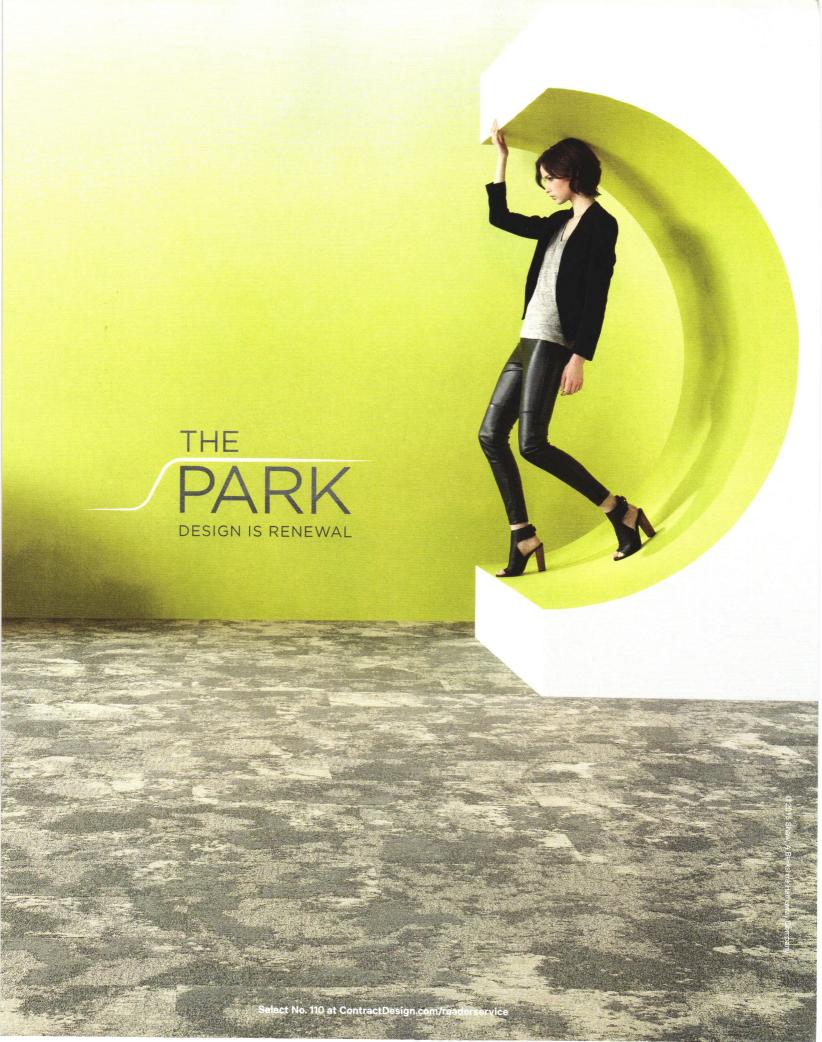


CONTEMPLATIVE SPACES





#### **The Kimono Collection**

The Kimono collection from Lucia Cassa features natural wool textiles inspired by the art of Japanese kimono. Katagami stencils inspired the designs for patterns Katagami and Origami and set the overall tone of the collection. A unique modern design aesthetic is achieved through the interpretation of an age-old textile art form that clearly transcends time and place. Milled in America.





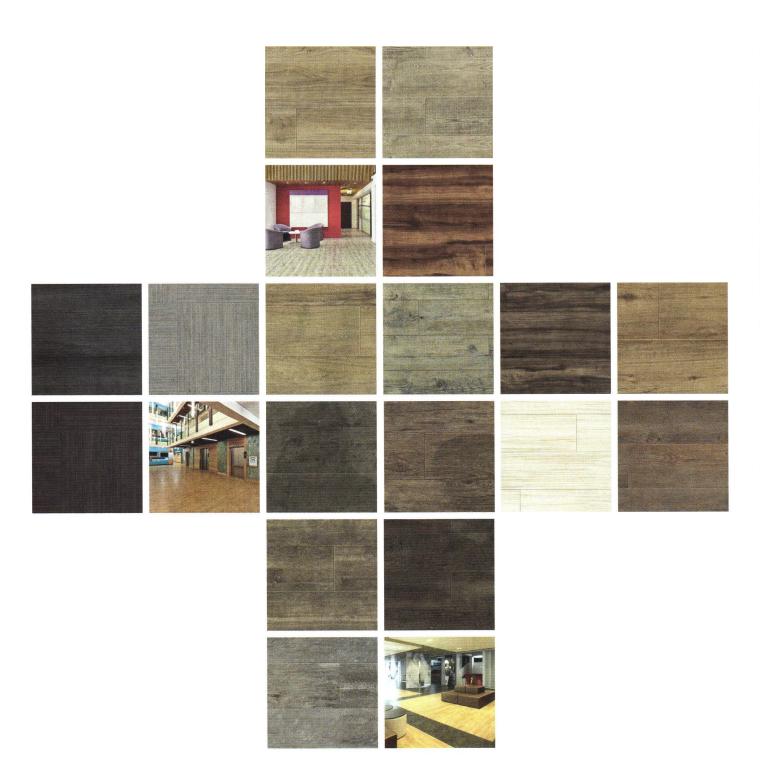




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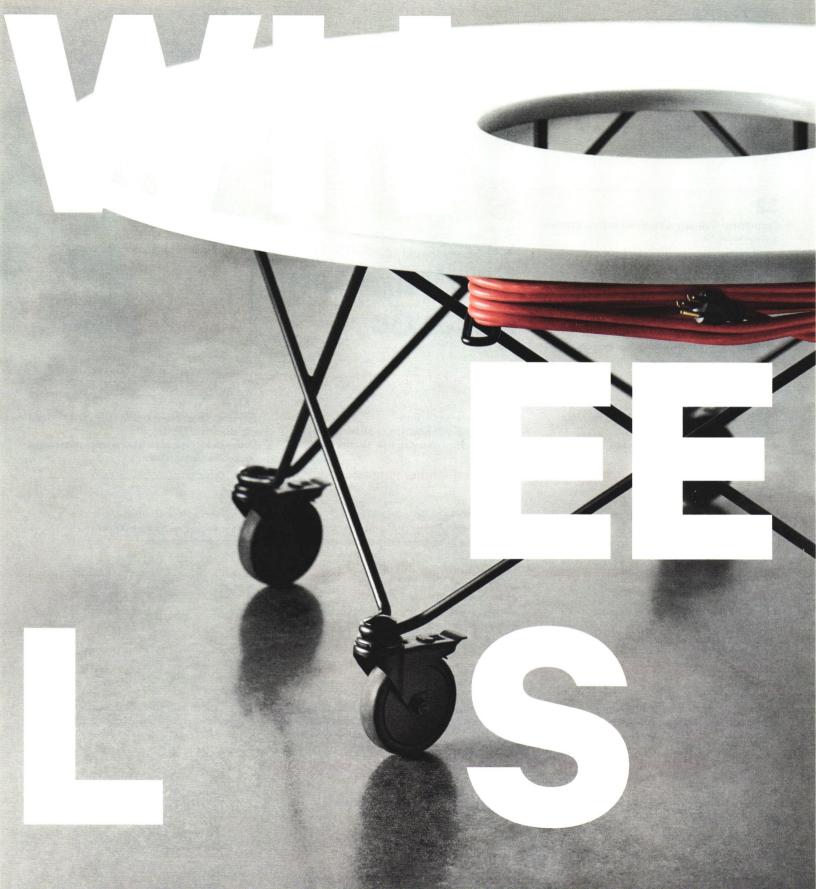
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Healthcare Design Expo Product Preview Highlights of the products to be exhibited at the Healthcare Design Expo & Conference

King Abdullah Specialty Children's Hospital Perkins+Will | Rivadh, Saudi Arabia

by John Gendall

Kaiser Permanente Kraemer Radiation Oncology Center

Yazdani Studio of CannonDesign | Anaheim, California by Michael Webb

UNC Hospitals Hillsborough Campus ZGF Architects | Hillsborough, North Carolina

by Jean Nayar

Palo Alto Medical Foundation San Carlos Center NBBJ | San Carlos, California

by Lydia Lee

volume 56 issue 8

Healthcare **Environment Awards** 

**Ambulatory Care Winner** 

healthcare

Memorial Sloan Kettering Cancer Center: West Harrison EwingCole | Harrison, New York

**Ambulatory Care Honorable Mention** 

Angie Fowler Adolescent and Young Adult Cancer Institute Stanley Beaman & Sears | Cleveland by Krista Sykes

**Acute Care Winner** Meander Medisch

Centrum

Long-Term Care Winner Alden Estates of Evanston

**Acute Care Winner** 

Roberts Pavilion

Floors 8 and 9

**Conceptual Design Honorable Mention** Rancho Los Amigos National Rehab Center

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Book Review: Modern Clinic Design: Strategies for an Era of Change

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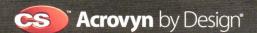
Installation: Vibrant Mosaics Greet Visitors to the Newest New York Subway Entrance

cover: Kaiser Permanente Kraemer Radiation Oncology Center by Yazdani Studio of CannonDesign. Photo by Bruce Damonte.

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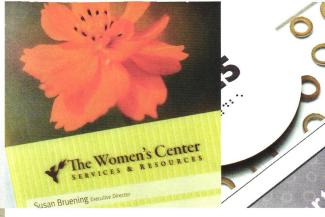


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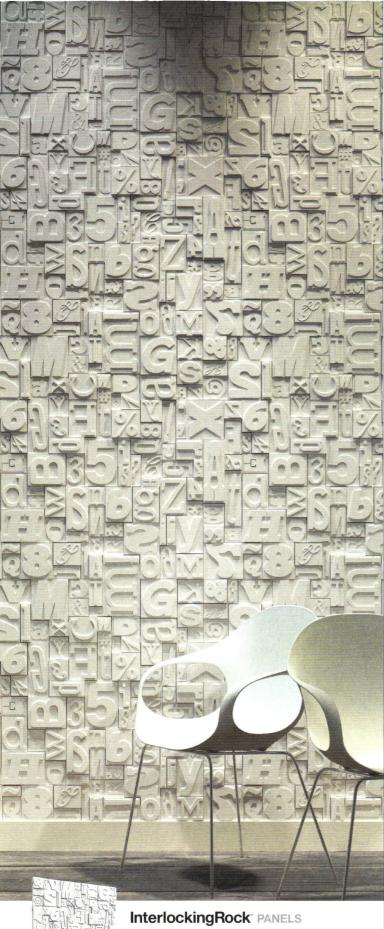
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The renovation of the library on 5th Avenue at 42nd Street will enhance its Beaux-Arts style with modernized interiors and expand the Stephen A. Schwarzman Building by approximately 42 percent.

contractdesign.com/newyorklibrary

#### IU Health Names HOK as Executive Architect for Upcoming Projects

The \$1 billion initiative will include three Indiana University (IU) Health projects in Bloomington and Indianapolis, Indiana.

contractdesign.com/iuhealth



#### Elkus Manfredi Architects Designs New Balance Headquarters

The \$500 million, 250,000-square-foot, mixed-use headquarters in Boston features an open, communal-style layout with high ceilings and integrated digital media elements.

contractdesign.com/newbalance

#### Mahesh Ramanujam Selected as USGBC CEO

Ramanujam, the current COO of the U.S. Green Building Council (USGBC), will replace Rick Fedrizzi as CEO of USGBC at the end of 2016. contractdesign.com/usgbcceo

# Marvin J. Malecha Named President of the NewSchool of Architecture & Design

Currently the dean at North Carolina State University's College of Design, Malecha will join NewSchool in San Diego after this semester. contractdesign.com/marvinmalecha

## NCARB Announces 13 Schools to Implement the Integrated Path Initiative

The first 13 approved schools will allow students to both complete the Architect Registration Examinations (ARE) and satisfy Intern Development Program (IDP) requirements while still enrolled. contractdesign.com/ncarb

## Blackstone Acquires Strategic Hotels & Resorts, Inc., for About \$4 Billion

Strategic Hotels & Resorts, Inc., owns 17 high-end properties, including the Essex House in New York and various Four Seasons properties. contractdesign.com/blackstone

#### PERKINS+WILL

#### Designing for Health: Designers' Responsibility to Patient Health

Healthcare experts at Perkins+Will discuss materials typically used in patient rooms and the impacts on patient and staff health. contractdesign.com/designersresponsibility

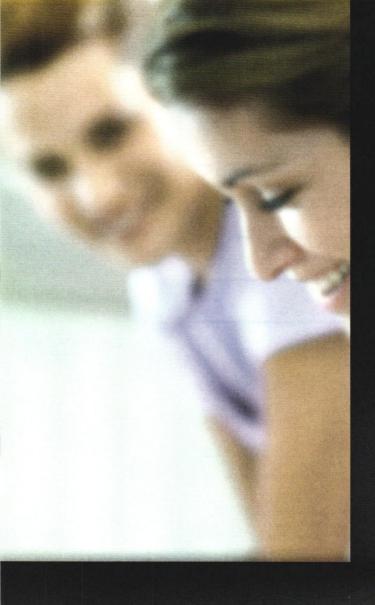




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#### **Designing for Wellness in Every Interior**

Creating healthful interiors requires the knowledge and expertise of architecture and design professionals working in concert with their clients—healthcare administrators and practitioners. Our annual healthcare-focused issue has six featured projects that are exemplars of the latest in design for healthcare in both acute and ambulatory care settings, weaving creative design solutions with real research and ingenuity. Our coverage includes the winners of the 2015 Healthcare Environment Awards, beginning on page 81.

Of course, we are all more aware of the best aspects of healthy living—human wellness—in every facet of our lives. Wellness is now top of mind for many design practitioners, as we consider what constitutes a healthy interior in our homes, workplaces, schools, and basically any built environment. In August, for example, the American Society of Interior Designers and Interior Designers of Canada co-hosted Impact Summit focused on wellness in the built environment.

One of the organizations that has emerged at the forefront of discussions related to the impact of design for wellness is Delos. Some of our readers know of Delos, and I encourage those that do not to learn more. Founded by Paul Scialla—with an advisory board that includes Deepak Chopra, Leonardo DiCaprio, and Rick Fedrizzi—Delos is engaged in research, consulting, and innovative solutions for the built environment. In 2012, Delos began the WELL Building Standard that is administered by the International WELL Building Institute and third-party certified through the Green Building Certification Institute. The WELL Building Standard is informed by seven categories—air, water, nourishment, light, fitness, comfort, and mind.

This year, Delos initiated the Well Living Lab, in partnership with Mayo Clinic in Minnesota. Under the leadership of Executive Director Dana Pillai, the Well Living Lab is a floor of a building that is being set up as a flexible laboratory designed to mimic a real office interior, at least at the start. The lab will be utilizing the WELL Building Standard as the foundation for testing, research, and development of evidence-based interventions for improved human wellness.

In the mock office—or lab—subjects, who are Mayo Clinic employees, will complete their daily work in the mock spaces and will be fitted with sensors to test their reaction to multiple factors,

including changes in natural and artificial light, working while seated versus standing, working in spaces with and without noise-controlling sound baffles, and many other features.

While the design profession has become accustomed to designing buildings and interiors sustainably, this is the next level of scientific testing of elements of individual health and well-being in interiors. Expected to be active at least five years, the Well Living Lab will eventually test other types of interior spaces besides the workplace.

Pillai will describe the Well Living Lab in person and in greater detail as one of the featured speakers at the 2015 Contract Design Forum, to be held in Savannah, Georgia, November 4–6. Forum is a gathering of our 40-member Editorial Advisory Board (see the masthead on page 14 for an updated list of our board members), and representatives of sponsoring companies. We have three excellent speakers, including Pillai, design star Stefan Sagmeister, and healthcare design expert Rosalyn Cama. With Pillai and Cama, the Forum this year will have a focused discussion related to wellness in the built environment. Our program will begin with an opening reception not to be missed at the SCAD Museum of Art.

For the first time, the Contract Design Forum is open to qualified candidates—other than invited guests and board members—to register for consideration to attend. Contract will select qualified candidates—those who are engaged in the commercial design profession—to attend. Visit contractdesign.com/forum2015 to learn more about the Contract Design Forum.

Enjoy this issue of *Contract*, and I am sure that I will see many of our readers at fall events in New York, at our Forum, NeoCon East (page 26), and the Healthcare Design Expo & Conference (page 25 and 38)—all in the next month!

Sincerely,

#### John Czarnecki, Assoc. AIA, Hon. IIDA Editor in Chief

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# More than 4,000 Expected to Attend the 2015 Healthcare Design Expo & Conference

The 2015 Healthcare Design Expo & Conference will be held November 14–17, at the Gaylord National Resort & Convention Center in Washington, D.C. The event is expected to attract more than 4,000 architects, designers, and related professionals focused on the healthcare industry. Attendees will see the latest products for healthcare interiors, and learn various facets of how the design of responsibly built environments impact the safety, clinical outcomes, and financial success of healthcare facilities.

The event offers 110 educational sessions, 25 interactive sessions, 13 educational tracks, eight facility tours, four deep-dive sessions, and four preconference clinics for the audience of architects, interior designers, administrators, operations executives, contractors, engineers, facility managers, medical planners, purchasing executives, researchers, and educators. Attendees will also have the opportunity to network with each other, and earn up to 23 continuing education credits for participating in faculty tours, keynotes, deep-dive workshops, educational breakout sessions, and roundtable discussion groups.

The 2015 Healthcare Design Expo & Conference keynote speakers include Ken Schmidt, a brand visionary and former director of communications strategy for Harley-Davidson Motor Company. Schmidt has partnered with many of the world's most successful brands, and he will share stories and insights on building a loyal customer base, creating a passionately loyal corporate culture, and developing inspiring and motivating leaders.

Other keynote speakers are Roger S. Ulrich, PhD, EDAC, professor in the department of architecture and Centre for Healthcare Architecture at Chalmers University of Technology in Sweden, and product designer Deborah Adler. Prior to launching her firm, Adler Design, Adler partnered with Target to develop the ClearRx prescription packaging system, which now makes it easier for millions of patients to take their medications.

The conference will also include the award ceremony on the morning of November 16 for the Nightingale Awards and the Healthcare Environment Awards, both of which are co-sponsored by *Contract* magazine and The Center for Health Design, in cooperation with the Healthcare Design Expo & Conference. The Nightingale Awards honor the best new products that are exhibited at the expo. All of the winners of the Healthcare Environment Awards—which honor healthcare interior architecture and design across a range of project types—are featured in this issue, beginning on page 81.

The Healthcare Design Expo & Conference is produced by Emerald Expositions, the publisher of *Contract*. Visit healthcaredesignmagazine.com for more information and to register. —MALLORY SZCZEPANSKI

#### Correction

In the September issue, on page 75 in the article, "Recreating L.A.," the firm that is affiliated with the project Lunchbox was misidentified. HOK, not HLW, designed Lunchbox. Sejal Sonani of HLW did not have a role in the design of Lunchbox.



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# NeoCon® East to be Held in Philadelphia, October 28-29



The 13th Annual NeoCon® East design expo and conference will be held October 28–29 at the Pennsylvania Convention Center in Philadelphia. The design show and conference program for leading architects, designers, and facility managers affiliated with General Services Administration (GSA) had taken place in Baltimore for the past 12 years. By relocating to Philadephia, NeoCon East expects to attract a larger audience.

For the first time, NeoCon East will be co-hosted with AIA Philadelphia's 13th Annual Design on the Delaware Conference, which will feature 30 programs, three general sessions, and 15 tours focused on issues and opportunities related to the built environment.

"NeoCon East has had many successful years in Baltimore. We took the decision to relocate very seriously to ensure that it offers the best solution for our show, our exhibitors, and our attendees," says Julie Kohl, NeoCon vice president of sales. "As we continue to grow, we recognize the need for a new home base that allows us to reach a larger, highly influential audience. We found that in Philadelphia."

Produced by Merchandise Mart Properties, Inc., NeoCon East will feature more than 25 CEU-accredited programs across 12 educational tracks and approximately 250 exhibitors. Keynote speakers are Todd Bertsch, AIA, vice president and director of design at HOK Atlanta; Betsy Nurse, ASID, IIDA, vice president and interior design director at HOK Atlanta; and Jake Barton, principal and founder of New York-based Local Projects. Attendees can also take advantage of a free specifically designed GSA seminar series.

Bertsch and Nurse will team up to kick off the event with a presentation based on their work with high-profile clients, such as Porsche Cars North America. Bertsch has more than 22 years of experience in corporate, hospitality, government, education, and research design, and Nurse has worked as a designer, project manager, and principal for 18 years. Bertsch is most commonly known for combining beauty and performance with environmental sensitivity, and Nurse is often recognized for creating client-centered facilities that support organizational goals.

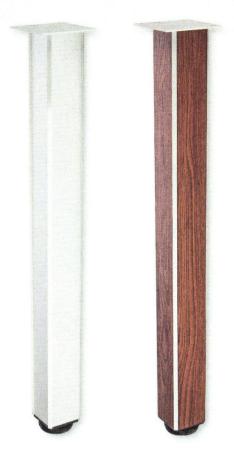
Barton, a leading authority in the field of interaction design, will present the closing keynote session. Barton has worked on a number of civic projects, including the National September 11 Memorial and Museum in New York, StoryCorps, the Beijing 2008 Olympics, the National Museum of American Jewish History in Philadelphia, and the Official New York City Visitors Information Center.

For more information about NeoCon East and to register, visit neoconeast.com. — MALLORY SZCZEPANSKI



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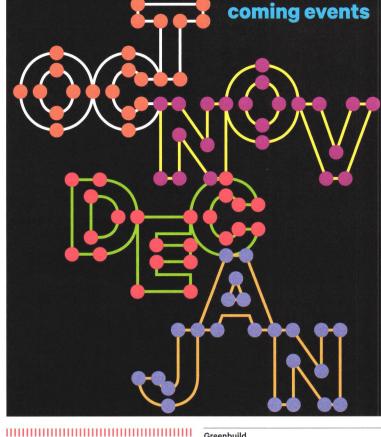
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November 4-6

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#### Healthcare Design Conference

November 14-17

Gaylord National Resort & Convention Center

Washington, D.C.

#### hcdconference.com

ArchitectureBoston Expo

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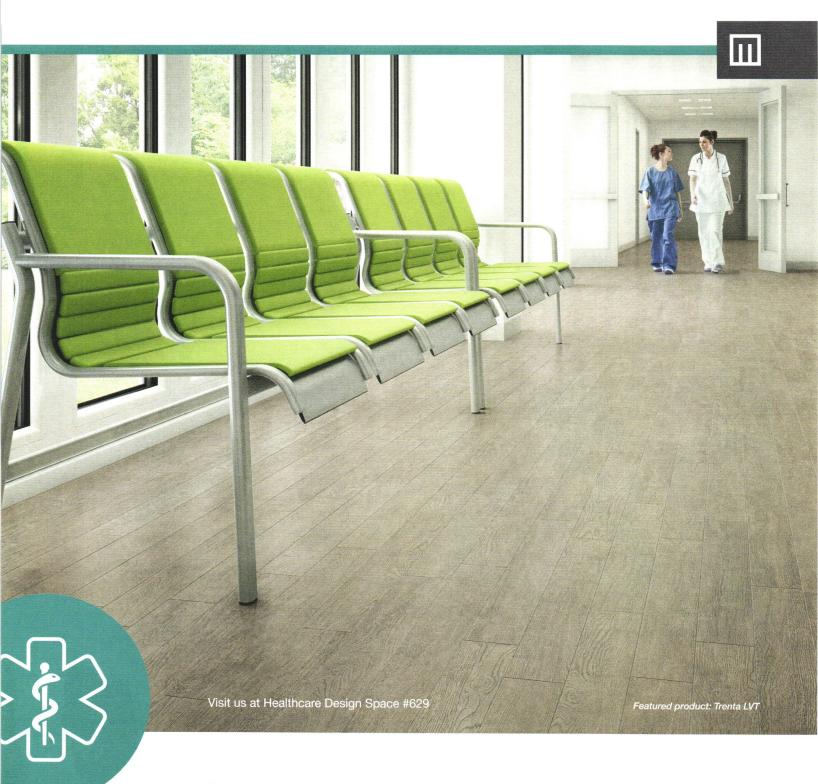
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#### **Building a Purpose-driven Practice**

by Evelyn M. Lee, AIA



Evelyn M. Lee, AIA, writes a regular column for Contract on business practices in design and professional development. Lee is a senior strategist at MKThink, the ideas company for the built environment based in San Francisco, and holds graduate degrees in architecture, public administration, and business administration. Lee has served on the AIA national board of directors and, in 2014, she received the AIA Young Architects Award. Her website is evelvnlee.com.

When analyzing the shortcomings of a design firm's business model, I often see parallels between designers and artists. In many cases, we tend to undervalue our services to ensure that we are still able to create our craft, or complete the project. However, doing so often makes us lose our sense of purpose. So how do we bring purpose back to the design workforce? Or, more importantly, how are firms going to become exemplary in a new, purpose-filled economy?

#### Build a practice focused on people

In his book "The Purpose Economy: How Your Desire for Impact, Personal Growth and Community Is Changing the World," author Aaron Hurst writes: "During the week, most of us spend at least 50 percent of our waking time at work. If we aren't getting our need for purpose met here, we are unlikely to have satisfying levels of purpose in our overall lives." For you as an individual, it is always important to remember the reason why you entered the design profession, why you joined a particular firm, or why you started your design firm. Do those aspects still hold true for you today in your given position? What changes would have to be made within your current company to match your original motivation for joining or starting it, or to instill greater purpose generally?

Bringing purpose into a firm drives innovation and encourages participation from employees.

Creating room for purpose, along with the freedom of expression, engages the greatest number of individuals within a firm with the design process. The more individuals in the office feel like they have room to grow in a manner that is meaningful to themselves, the more they will be encouraged to be engaged in the firm's future and ultimately its success.

#### Build a practice that engages community

By definition, community is a feeling of fellowship with others as a result of common attitudes, interests, and goals. Pairing community with a sense of purpose focuses not only on the neighborhood in which the firm's physical office resides or the community that the firm builds within its own walls, but it also focuses on the type of community that the firm builds with its clients. The current state of the industry is ripe with opportunity, so I encourage firms to be selective about the types of clients and work they pursue.

Within the purpose economy, our clients are looking for ways to both make their processes more transparent and to further their own engagement within the communities they serve. As designers, our understanding of the end users and their true needs becomes more important to the success of the design and implementation. Encourage your clients to give you access to all of the stakeholders necessary to make the process a success, and show them how it will further create purpose within their own organizations.

#### Build a practice that is adaptable to change

The ability to adapt to change is becoming more necessary to the success of any industry. But that is particularly true in our design industry, which continues to specialize its expertise and commoditize the services it offers. Designers must be aware of changes in the economy that can have significant impact on a client's business and the decisions it makes about processes, operations, and managing capital asset spending. Understanding the client's line of business will enable greater opportunity for a designer to articulate the value of the design services provided. Doing so will help you identify opportunities to increase your value to a client in a way that is purposeful to the organization's greater mission and vision for the future.

A firm built on purpose is one that places equal emphasis on having a positive impact on its own employees, the clients, and the communities it serves, as well as the prosperity of the practice itself. "In an organization that prizes purpose," Hurst writes, "management is held to a higher standard." All individuals in a firm—not only management—must be held to a higher standard and continue to push past boundaries and comfort levels. But, with higher purpose often comes greater rewards.





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#### **Waiting Patiently**

The new Kimball Health division introduces Saffron, a midcentury-inspired collection of patient and guest seating



Kimball Health, a division of Kimball Office, debuted at the Healthcare Design Conference last year as a new portfolio of healthcare furniture, products, and accessories focused on improved outcomes for patients, their visitors, and healthcare staff. This year, Kimball Health introduces Saffron, a collection of seating options for patients and guests designed by Chris Carter with a midcentury-modern aesthetic.

The Saffron collection includes a guest chair (top right) that features a unitized interior metal frame and measures 34½ inches high, 23¾ inches wide, and 38 inches deep. It is available in tandem two-seater and three-seater versions, and as a separate add-on that can be used to create unlimited tandem guest-seating configurations. The collection also includes patient (above left) and bariatric chairs.

Rounding out the Saffron collection are the softly cushioned lounge chair (above right, measuring 30½ inches high, 25½ inches

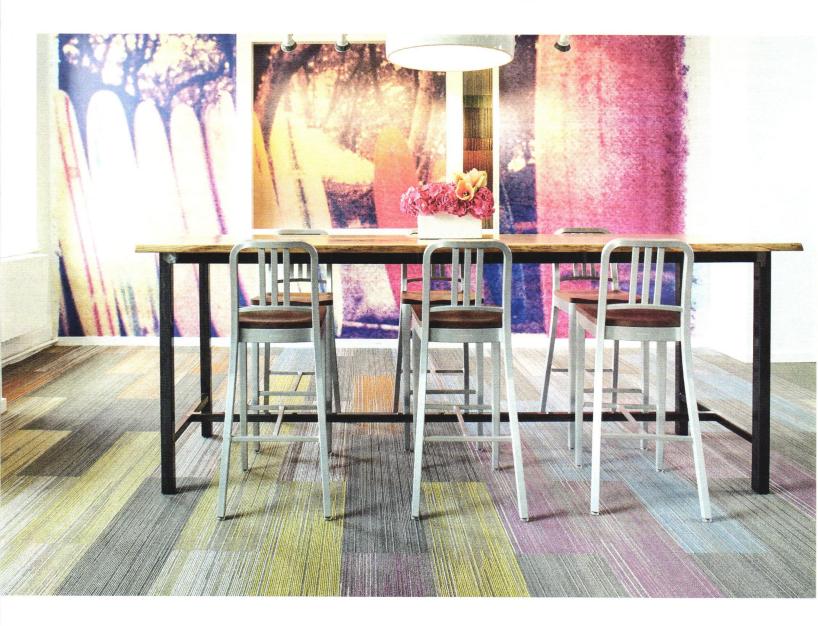
wide, and 28½ inches deep), loveseat (48 inches wide), and sofa (70 inches wide), which feature spring seating.

A range of upholstery options are available through Kimball Health's alliance program, and other features and options for Saffron include wall-saver back legs, an antimicrobial hardwood finish for arms and legs, clean-outs for ease of maintenance, a moisture barrier on the seat only or both seat and inside back, and adjustable glides. Arm caps are available in beech with an antimicrobial finish, 3-D laminate, polypropylene, or EOScu (Cupron Enhanced EOS) Preventive|Biocidal Surfaces, a copper-oxide infused solid surface material that kills 99.9 percent of harmful bacteria within two hours of exposure. —MURRYE BERNARD

kimballhealth.com

G6 contractdesign.com october 2015

### FLOORING GROUP



Index - the new 12" x 48" demi-plank from Invision - combines 12 energetic colors with three neutral options, lending itself to expressive flooring designs. Also available in 24" x 24" modular.

INVISION

Index

#### **Healthcare Design Expo Product Preview**

Highlights of the products that will be exhibited at the Healthcare Design Expo & Conference, November 14–17, in Washington, D.C.

#### 1. CF Stinson: Ethereal

#### cfstinson.com

CF Stinson introduces Ethereal, a new collection of seven fabrics—Vapor, Hush, Figment, Crystalline, Nest, Vanish, and Tranquility—with soothing patterns that have a painterly blend of imagery and textures. The fabrics are bleach cleanable with enhanced abrasion, soil, and stain resistance, and are GREENGUARD Gold Certified.

#### 2. Nathan Allan Glass Studios: Crackle Glass

#### nathanallan.com

Resembling cracked and melted ice,
Crackle Glass is an architectural glass
product for cladding applications that
is composed of three layers of different
glass types that have been fused together
and laminated to mirror, creating safety
glass. Various sizes of ¾-inch-thick
panels can be produced with a maximum
panel size of 18 square feet. Glass types
available include clear, low iron, blue,
bronze, multicolor, and black, and each
comes in several color options, such
as Lucent, Gemstone, and Metallic.



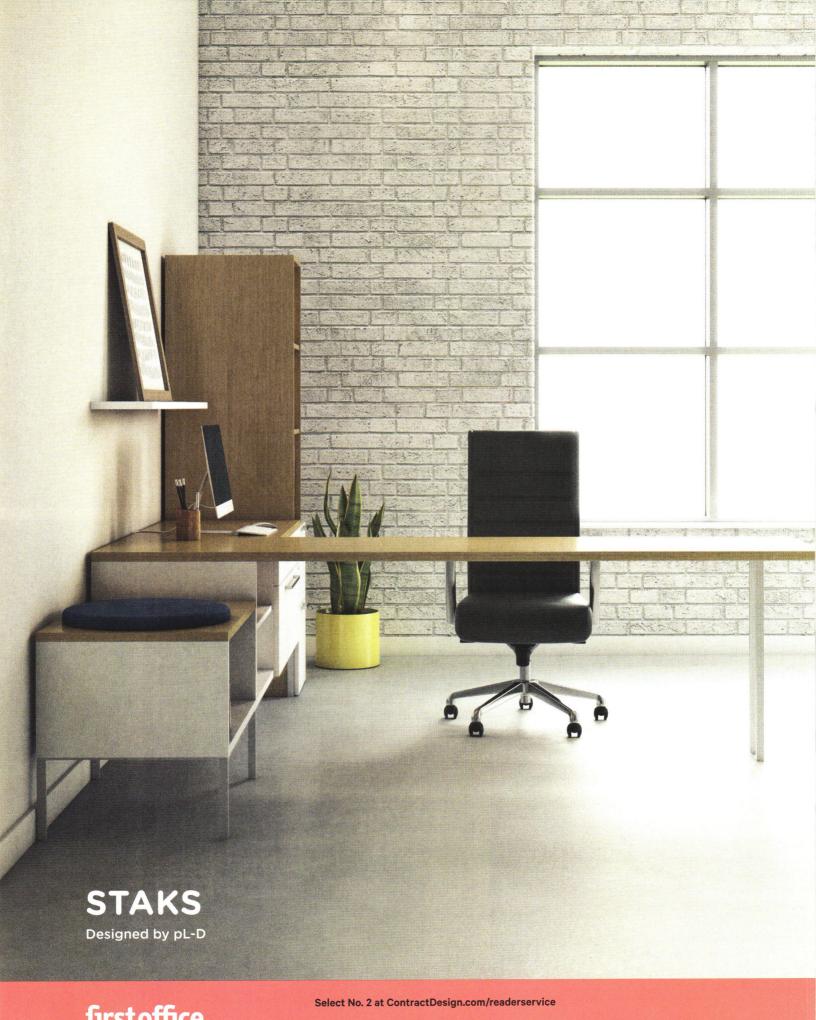
#### 3. Encore Seating: Crest

#### encoreseating.com

Designed by Odesign, Crest is a lounge chair that features a rocker base with a single-piece seat and back that appear to float within the frames of continuous arm loops. Crest comes in a mid-back model that measures 28½ inches wide, 29 inches deep, and 33½ inches tall, and the high-back version stands 42 inches tall. It can be upholstered in any textile, vinyl, polyurethane, or leather with matching arm caps, and the metal frame finishes include Graphite, Metallic Silver, and Satin Black. Optional features include a moisture barrier and a footrest.

3





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#### 8. Architex: Remede Reveal Collection

#### architex-lih.com

Architex's Remede Reveal Collection of 42 non-woven printed upholsteries is inspired by the healing properties of water. Composed of 70 percent vinyl and 30 percent polyester, Remede Reveal is waterproof, anti-microbial, and mildew resistant and can be cleaned with bleach, peroxide, or other disinfectant-based cleaners. The collection's five patterns are Anemone, Beachcomb, Koi Lilly, Salt Spring, and Wish.

#### 9. Mannington Commercial: Teles

Teles is a high-resiliency rubber flooring product with an indentation resistance of 1,500 PSI—double the industry standard—and many other benefits, including improved acoustics, comfort, and a self-migrating wax finish. Teles is available in 17½- and 35-inch square tiles, 17½-inch-by-35-inch tiles, and 5.8-inch-by-35-inch planks.

10

#### 10. Takeform: Attend

#### takeform.net

Attend is a new mountable patient signage offering by Takeform.

The signage informs clinicians about patient care information, such as fluid restrictions, infection risks, and medication alerts. Attend is available in slider, note pad, and markable lens options, all of which are designed to be hung outside patient doors.

Attend can also be customized with ADA compliant signage with raised text, Braille, and printed inserts.

#### 11. Allseating: Foster Sleep Chair

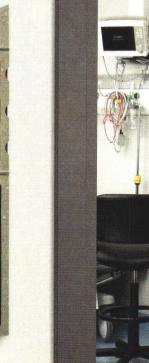
#### allseating.com

11

42

Reflecting the shift toward patient-centered care, the Foster Sleep Chair was conceived to support the needs of families, whose presence often contributes to improved patient outcomes. The chair converts from lounge to sleep positions and is mobile with two locking casters at the front. It is available in both standard and wide versions and with wood, polyurethane, or upholstered arm caps. The chair has replaceable seat and back covers and can be upholstered in a range of textiles, including a two-tone option.





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#### 12. Mayer Fabrics:

#### **Privacy Curtain Collection**

#### mayerfabrics.com

Mayer Fabrics introduces three new privacy curtain fabrics: Cityscape, Fusion, and Zarape. Cityscape combines a skyscraper motif with an ikat design and comes in five colorways; Fusion features novelty yarns that create an abstract circular shape and comes in eight colorways; and Zarape was inspired by traditional Mexican woven shawls worn by men and comes in six color combinations. All privacy curtain fabrics are 72-inches wide.



13. Krug: Karma

Karma is a collection of multipurpose

seating for healthcare settings. It includes

stacking versions and an easy-access chair

with a high seat and footrest designed for hip surgery patients. Karma comes with or without arms and in a range of widths, including bariatric options, all of which have a weight capacity of 500 pounds. It can be specified with removable upholstery covers. and frame finish options include Silver Metallic, Polished Chrome, and Matte Black.

krug.ca







#### 14. KI: Soltice Metal Collection

#### ki.com

Building upon his Soltice Collection for KI, Paul James has designed the Soltice Metal Collection of lounge seating, guest and bariatric chairs, patient seating and occasional tables to be durable and have streamlined silhouettes. Following the principles of evidence-based design, the collection's chairs feature elevated seat heights and easy-to-grasp extended arm caps, and multiple seat widths serve a range of healthcare settings.

#### 15. Wieland: Accord

#### wielandhealthcare.com

Combining flexibility, function, elegance, safety, and comfort, Accord recliner is designed for long-term seating. The recliner features a 10-gauge steel frame with thick, dense foam and a welded arm that provides the user with extra support. Accord is also equipped with singlehanded steering, safeBrake pads, soft edges and corners, and a lockable table.

#### 16. Nemschoff: Ava

#### nemschoff.com

Designed by 5d Studio for Nemschoff, Ava is a recliner designed for patients to sit comfortably for long periods of time. Ava is available in wingback and arcade back options and features pivoting arms, central brake and steer controls, dual-sided controls, and a lay-flat recline position. The recliner also has twin-wheel casters that provide ease of mobility and a controllable footrest.



1

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#### 17. EnviroLeather by LDI: Healing Essentials

#### enviroleather com

EnviroLeather teamed with Pattern Pod to create Healing Essentials, a collection of 20 faux-leather upholstery options for healthcare environments. Inspired by the restorative properties of nature, the collection's offerings range from simple textures to statement graphics in tranquil, spa-like tones to earthy and bright shades. The stain-resistant, cleanable collection creates a tight and tailored look for furnishings.

#### 18. Carolina: Y60.G2

#### carolinabusinessfurniture.com

Carolina has updated its classic Y60 lounge furniture series with Y60.G2, designed by Beck & Beck Design Associates. The collection includes lounge chairs, settees, sofas, and benches. Exposed plywood edges make these seating elements inviting within a public space. Optional features include integrated power, tablet arms, and a polished chrome sled base or aluminum hairpin legs.

#### 19. Integra: Solitude

#### integraseating.com

Part of Integra's Alpine Collection, Solitude is a chair that comes in two widths and a settee version, Solitude Slope Lounge. Solitude has two arm styles available with wood or solid-surface arm caps, and has a 2,000-pound weight capacity and a clean-out seat. The chairs come with a lifetime warranty, and components are replaceable.











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#### 20. Patcraft: Time Exposures

#### patcraft.com

Time Exposures, a carpet tile collection inspired by the effect of light and shadow, includes three 9-inch-by-36-inch tile designs. Each design is available in 12 colorways, allowing designers to blend patterns to transition between scales and aid in wayfinding.

#### 21. Carolina: Rein+

#### carolinabusinessfurniture.com

Rein+ is a collection of durable and cleanable seating and occasional tables. Seating options include a lounge chair, guest chair, bariatric chair, and tandem seating, all of which have replaceable seating and back components, adjustable glides, and solid hardwood frames. The table surfaces are available in wood veneer, HPL, TFL, 3DL, and solid surface options.



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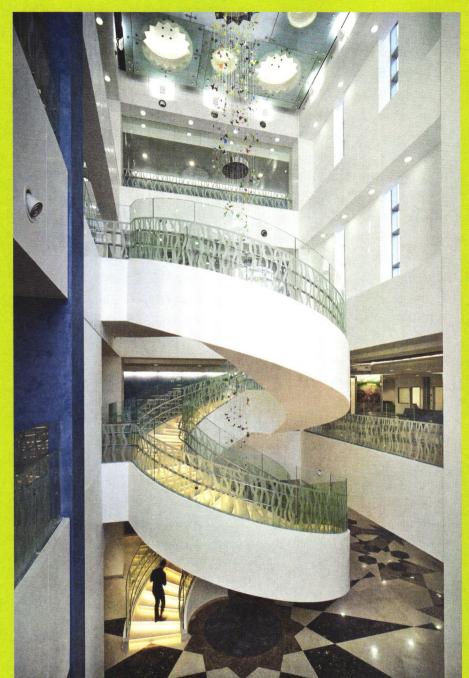


# King Abdullah Specialty Children's Hospital

By John Gendal Photography by Hedrich Blessing

Perkins+Will conceives a hospital that serves both children and adults in the Kingdom of Saudi Arabia







Architect Perkins+Will

Architect of Record Dar Al-Handasah

Client National Guard Health Affairs

Where Riyadh, Saudi Arabia

What 2 million total square feet on 10 floors

Cost/sf Withheld at client's request

For a full project source list, see page 106 or visit contractdesign.com.



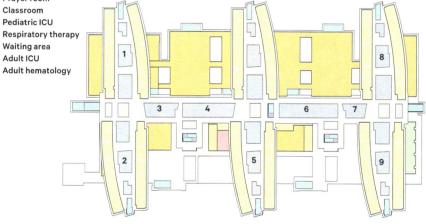






#### Patient Floor Diagram

- Pediatric surgery
- Pediatric intermediate care
- Prayer room
- 5
- Waiting area



The hospital's massing (top) responds to the hot desert climate: Lower plinth-like floors feature punched openings, while the towers have extensive glazing to filter light below. The towers softly curve (above) in response to wind patterns across the site. The complex patterning of stone flooring in circulation areas (opposite, top right and bottom) and in the lobby-which features a three-story spiral stair (opposite, top left) anchored to a star pattern-reflect local materials and approaches to construction.

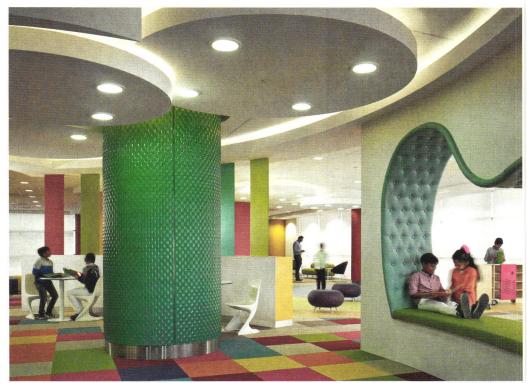
Even with all the trappings of a kingdom flush with oil money, for many years Saudi Arabia saw many of its aspiring healthcare workers and their prospective patients leave for medical facilities overseas. To counteract that effect, the kingdom invested \$6 billion in a healthcare campus the King Fahad Medical City—in central Riyadh that would provide world-class care closer to home. One of the latest additions to this campus is the King Abdullah Specialty Children's Hospital (KASCH), designed by Perkins+Will.

Originally planned, as its name implies, as a hospital exclusively for children, the architects saw an opportunity to enhance efficiency by adding in adult oncology. "By conjoining these programs together, we were able to consolidate some of their services, so that was something

that appealed to the client," says James Smith, an Atlantabased design principal at Perkins+Will. "Two of the wings are children's, and the other is adult oncology," Smith explained. "But they share many of the same diagnostic services."

#### A patient-centered environment

KASCH has 350 beds for children, 200 beds for adult oncology, offers a full range of care in outpatient clinics and full inpatient wards, and, as an affiliate of the nearby medical school, includes education spaces. Given the complexity of the 2-million-square-foot project, it demanded an exacting consideration of interior spaces to allow each of these elements to operate autonomously while sharing services and accommodating circulation between them.







#### Key Design Highlights

A horizontal interior spine with shared program elements connects the children's and adult oncology wings.

Evidence-based principles were incorporated into the design of patient rooms for quality care delivery.

The surgical suites were efficiently created from prefabricated modular systems

Children's areas feature bright colors and patterns that lift spirits and aid in wayfinding.

Traditional crafts—including plasterwork, mosaic tile, and complex stone floor patterns—enhance the material palette.

Brightly colored and patterned play rooms (top right and opposite), featuring mosaic-tiled columns, are adjacent to infusion areas and patient rooms. Wayfinding on patient floors is enhanced by the incorporation of colorful walls and panels (top left and above).

To that end, Perkins+Will created a long, horizontal spine that provides shared program elements—administration, outpatient clinics, imaging, and back-of-house services—and acts as a podium for three towers housing inpatient suites.

A stacked deck allows for driveway entrances on the first two floors, creating direct access to the second floor clinics. "This allowed the clinic to operate almost autonomously," Smith says. Parsing inpatient areas between the three towers also allowed for smaller floor plates and abundant natural light. "Because it's so big, you want to be able to look outside and figure out where you are," says Amy Sickeler, an Atlanta-based interior design principal at Perkins+Will.

Perkins+Will incorporated many of the latest innovations in evidence-based design with a focus on patient comfort.

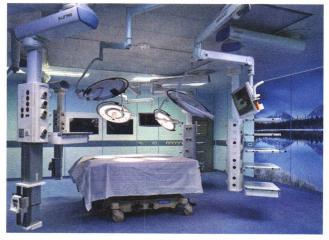
As an example, patients can program the light levels and colors in their rooms throughout the day. "Small things like that give patients something to pull them from the day-to-day experience," Sickeler says. Doors have been designed not to slam or close loudly. "Acoustics are so imperative for proper healing," she adds. Lighting, too, has been designed to keep patient disturbances to an absolute minimum, with multiple controllable light sources that enable nurses to comfortably work in rooms even while a patient sleeps.

For the surgical suites, Perkins+Will used a prefabricated modular system. "The walls came in with the interface already in place, so they just snap into place," Sickeler explains. Here, too, occupants can customize light color and level, but for different reasons than the patient rooms. For surgeons,











Patients can customize light colors and levels in their rooms (opposite), which incorporate a built-in bench for visitor seating. Surgical suites (top right) are prefabricated units. Ancillary support services (above and bottom right) have designated areas adjacent to patient suites.

who remain focused on a single color and subject for so long, contrast is crucial.

Though the project integrates many of the latest innovations in healthcare technology and design, Perkins+Will also incorporated traditional techniques based in local craft. Many of the walls, for example, are made with plaster. And for the floors, the designers turned to a traditional craft—tile mosaics—but used contemporary patterns. "There's no one better at doing this patterning than local artisans," Sickeler says.

Ancillary support services, such as respiratory therapy, are adjacent to clusters of inpatient suites. This is in stark contrast to other facilities, where designated space for these support services is lacking and these procedures are crammed

into improvised corners. "Multidisciplinary caregivers now have areas to do their work," Sickeler says.

This highly considered space planning highlights one of the project's strongest features, and demonstrates that healthcare is not just a series of technological tests. Instead, it is an intensely personal experience that needs to accommodate family and caregivers with a long roster of supporting players. Pointing to the firm's experience with evidence-based design, Smith summarizes, "this is just a very cleanly laid-out facility."  $\mathbf{c}$ 

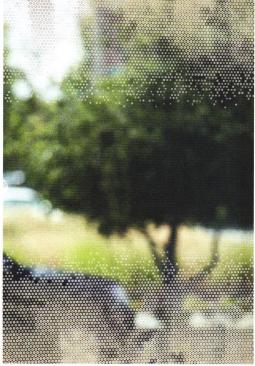


## Kaiser Permanente Kraemer Radiation Incology Center

By Michael Webb Photography by Bruce Damonte

For cancer patients, Yazdani Studio of CannonDesign creates an architecturally distinct place for treatment







Kaiser Permanente Kraemer Radiation Oncology Center

Architect Yazdani Studio of CannonDesign

Client Kaiser Permanente

Where Anaheim, California

What 16,000 square feet on one floor

Cost/sf **\$800** 

For a full project source list, see page 106 or visit contractdesign.com.

Inner panes of glass of the double-skin facade are fritted (above) with ghostly images of a forest (top right and opposite, top). Where walls flare out (above right), clear glazing frames vistas.

Nothing better symbolizes the changing face of healthcare than the small glass rotunda that greets patients arriving at the Kaiser Permanente Kraemer Medical Center in Anaheim, California. Mehrdad Yazdani, who heads the Yazdani Studio of CannonDesign in Los Angeles, collaborated with Kaiser Permanente (KP) six years ago to master plan the campus, and his team was invited back to design a radiation therapy facility. Typically, these specialized treatment centers are located in basements to accommodate heavy equipment and shield radiation. But KP had a different vision. As Sunil Shah, KP's design director for Southern California, explains: "We wanted to demonstrate to the public that we had a unique, state-of-art building for cancer patients that was healing, stress-relieving, and full of natural light."

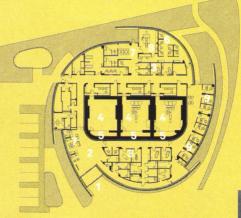
Yazdani has designed major hospitals in Buffalo, New York (*Contract*, October 2012), and San Diego, but he had never done a building of this kind before. "I knew that KP wanted a facility that marked it off from the other buildings on the campus," he explains. "It had to be viewed from all sides, and be a beacon of hope, emitting a warm glow at night through walls of glass. By day, it should conduct a dialog with nature."

Filling a notebook every year, Yazdani loves to sketch. On the eve of the KP interview, he drew circles and interlocking elements to express his ideas. His presentation convinced the client, and the building took shape as he had envisaged it, thanks to the productive collaboration of the client, his studio, and the CannonDesign healthcare group, headed by Carlos Amato.

#### Nature and the healing process

The graceful arcs of the exterior glass walls, which fan out to embrace a landscape of wild grasses and drought-resistant plantings, give the 16,000-square-foot building a strong presence. The inner panes of the double glazing are fritted with the ghostly image of a forest. The team digitized a photograph of trees as a composition of circles, and wrote a program to manipulate the image to avoid repetition and vary the intensity of the fritting. In areas that require privacy or protection from the sun, the pattern is intensified,





loor Plan

Entrance Lobby

Exam room

Linear accelerator

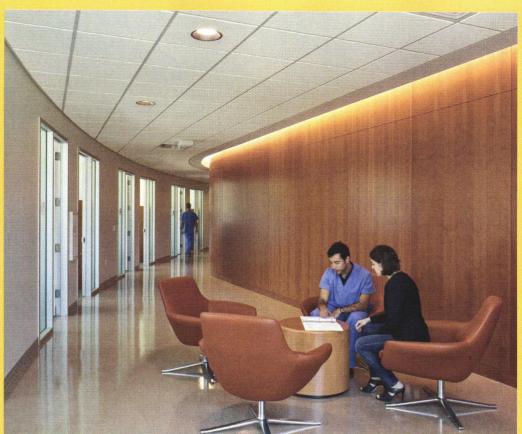
Zen garden

Treatment planning area
Waiting area

CT imaging

Office





#### **Key Design Highlights**

A series of interlocking elements and circles, the building's form embraces the landscape and frames views.

The double-glazed exterior has images of a forest fritted on the inner layer.

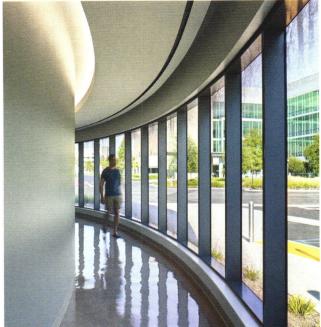
Three linear accelerator treatment rooms form the heart of the building and are encased with concrete walls clad in cherry wood.

Zen gardens with living walls are a soothing focal point for patients receiving treatment.

Finishes and furnishings were chosen to be simple, modern, and spa-like.











Walls clad in cherry wood and casual seating set the tone in both the lobby (opposite, bottom) and a corridor outside offices (opposite, top). Each treatment room looks into a narrow zen garden with a living wall (above) and features indirect lighting, which is also in other spaces including the reception area (top left), hallways (top right), and the CT imaging room (above right) to contribute to creating a soothing environment.

while other areas are left clear to open up views. "It wasn't easy," Yazdani admits. "We had to play with the size and placement of the circles, blurring the boundaries of the fritted areas. Just when we thought we had got it right on the computer we would print it full scale and discover it appeared as a negative image, with the shaded areas light and clear areas dark." It took many tests and mocked-up sections to resolve all the issues.

#### Simplicity in form and finishes

"Too often, architects get caught up in solving the functional needs of a healthcare facility—expediting patient, staff, and equipment flows—and then find they are stuck in a windowless maze," Yazdani says. "KP wanted to create a simple plan and make wayfinding easy to allay the anxieties of cancer patients and their families."

The single-story building houses three linear accelerators, CT imaging, exam rooms, physician offices, and support spaces for caregivers and patients. Besides creating a good working environment, light and nature make crucial contributions to the healing process, both physically and psychologically. Patients are soothed by the fritted image of the forest and the actual landscape that's glimpsed beyond, in addition to the framed vistas where walls flare out.

At the heart of the building are the three linear accelerator treatment rooms enclosed within massive, two-foot-thick concrete walls. Each treatment area has a glass wall that opens onto a narrow zen garden and a living wall of lush plantings that create the illusion of a garden. The corners of the treatment rooms are rounded, and the concrete is clad in cherry wood to impart a sense of warmth to the waiting area beyond the reception desk.

Simple, modern furnishings include Coalesse seating, upholstered in a pale blue that has the freshness of a spa. All interior spaces had to conform to tight KP standards and stay within its budget, and Yazdani praises the team effort that made this possible. Architecture always adds value: Here it offers a transformative experience.



# UNC Hospitals Hillsborough Campus

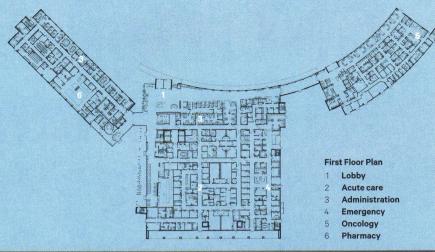
By Jean Nayar

Photography by

Halkin | Mason Photography

ZGF Architects design a comprehensive medical complex that merges high-quality care with nature-inspired comfort in North Carolina





#### **Key Design Highlights**

Client directives focus on five key areas—stress reduction, medical innovation, patient safety and quality care, operations and performance, and metrics and efficiency.

The design was inspired by the natural characteristics of the site as well as North Carolina's topography and history.

Sustainable features of the project, which is targeting LEED Silver certification, include high-performance glazing and low-emitting adhesives, sealants, and coatings.

Patient rooms incorporate the comforts of home, such as built-in wardrobes, web-enabled televisions, and mini refrigerators.



#### UNC Hospitals Hillsborough Campus

Architect ZGF Architects

Associate Architect BJAC/EYP

Client UNC Hospitals

Where Hillsborough, North Carolina

What 270,000 total square feet on four floors

Cost/sf \$404

For a full project source list, see page 106 or visit contractdesign.com.









Nursing stations (above) are designed to allow visible access to a number of patient rooms (above right), which have windows that admit ample daylight. Interior materials include terrazzo floors and local cherry wood paneling (opposite, top), and a limestone feature wall in the lobby (opposite, middle). The building (opposite, bottom two) features extensive glazing to capture views of nearby wooded areas.

When the UNC Hospitals's leadership set out to expand its main campus in Chapel Hill, North Carolina, the aim was to create a new facility that would deliver the best healthcare services in the region. But the existing campus had limited growth potential, so UNC Hospitals chose to construct a new facility—UNC Hospitals Hillsborough—on an 83-acre greenfield site in nearby Hillsborough, North Carolina. Designed by ZGF Architects and developed as part of a master plan for phased growth, the new medical center was created to adapt to new healthcare innovations, promising to keep it on the cutting edge of patient care.

"We wanted this to be a place that was about healing, not illness," says Jeffrey Strickler, associate vice president of the new UNC Hospitals Hillsborough campus, the latest addition to a group of hospitals affiliated with the UNC Health Care System owned by the state of North Carolina. The newly opened satellite medical center—including a 270,000-square-foot hospital with a Level II emergency department, 68 licensed beds, 15 observation beds, and a surgical suite with operation rooms and pre- and post-recovery areas, as well as a 60,000-square-foot medical office building—will allow UNC Hospitals to deliver excellence in healthcare.

As a system, UNC Hospitals functions as an academic medical center that also provides emergency care, acute and elective surgical operations, inpatient hospital beds, and outpatient services for North Carolina's Memorial, Women's, Children's, Neurosciences, and Cancer Hospitals, and it was well-poised to rely on the latest evidence-based healthcare design research. "As an academic hospital, we have so many teams of experts on both the design and clinical sides who stay current in the field on developments in hospital construction—so we had the opportunity to really do things right," says Strickler, who oversaw the project management of the Hillsborough campus's first phase.

#### Accent on nature

Tapping into the wooded surroundings and the topography and history of North Carolina for inspiration, the ZGF design places emphasis on the role nature plays in the healing process. "It was important to capture the views into the woods, as they really improve patient outcomes," says John Thompson, ZGF's principal in charge of the project. The lobby's glass facade and the broad windows of the L-shaped patient-room wings offer access to natural light and views of the rolling

country side. Interior materials and imagery enhance the uplifting, familiar ambience. Public space and corridor interiors feature elements that echo North Carolina's three types of topography—mountainous, piedmont, and coastal—serving as wayfinding guideposts and positive distractions for patients. Materials such as terrazzo floors, local cherry wood wall paneling, and a limestone feature wall in the lobby are a nod to the outdoor environs, while backlit, nature-inspired photographic panels, artwork by local artists, and historic photographs of North Carolina settings complement the mix.

ZGF and the client are aiming for LEED Silver certification for the medical center, which was constructed with multiple sustainable features. "The state of North Carolina requires higher energy and water conservation measures than many other states, and the client wanted to pursue LEED certification," says Heidi Jones Huffman, associate partner on the project, noting that low-emitting adhesives, sealants, and coatings are a few of the sustainable features employed throughout.

#### Inviting, supportive spaces for all

Although designed to be patient-centric, the medical center's interior is inviting and functional for both medical personnel and visitors. Custom features like a footwall with a built-in wardrobe, patient room care boards with themed landscape imagery, web-enabled televisions, mini refrigerators, and safes for personal belongings make rooms more comfortable for patients and family alike.

For medical personnel, semi-secluded touchdown spaces and acoustically buffered nursing stations enhance the caregivers' work environment. Other interior design features that will help elevate care delivery include first-to-market sinks with offset faucets, separate pre- and post-surgical access points and separate clean and dirty elevators around a clean core in the operating area, and motion-controlled sliding doors that minimize infection transmission.

While the challenge of healthcare design is increasingly complex, ZGF succeeded in responding to client directives focusing on five key areas—stress reduction, medical innovation, patient safety and quality care, operations and performance, and metrics and efficiency—while incorporating sustainable features in the state-of-the-art UNC Hospitals Hillsborough campus.



# Palo Alto Medical Foundation San Carlos Center

By Lydia Lee

Photography by

Bruce Damonte

and Sean Airhart/NBBJ

Just south of San Francisco, NBBJ crafts a clinic that connects with the local community and its natural surroundings



Palo Alto Medical Foundation San Carlos Center

Architect NBBJ

Client Sutter Health & Palo Alto Medical Foundation

Where San Carlos, California

What 192,000 total square feet on four floors

Cost/sf Withheld at client's request

For a full project source list, see page 106 or visit contractdesign.com.













A pendant fixture by LightArt hangs above the reception desk (top right), which is wrapped with Richlite paneling with a CNC-milled pattern. Some waiting areas are bright and airy (above), while those for the diagnostic imaging clinic (above right)where patients often sit in robes and drink bad-tasting liquids for imaging purposesare dimly lit and hung with dark curtains. A custom 45-foot-long, live-edge bench (opposite, top two) lines one side of the glass-walled corridor, which overlooks gardens (opposite, bottom). Redwood-lined overhangs (opposite, middle right) warmly greet patients and visitors.

"Bringing the outside in" is not typically a concept associated with healthcare design. That may change with the arrival of more medical facilities such as the Sutter Health/Palo Alto Medical Foundation (PAMF) clinic in the San Francisco Bay Area. Designed by global firm NBBJ, the 198,000-square-foot San Carlos Center emphasizes the beauty of the natural world, providing a sense of well-being right from the entrance. It's likely the only medical center in the world to have a 45-foot-long, live-edge bench—a single continuous slice from the trunk of a native Claro walnut tree.

"We were trying to create an environment that exudes healing for people," says Josie Briggs, a senior associate at NBBJ. "The design celebrates natural light and honest materials."

PAMF needed a new facility to serve a rapidly growing population along the San Francisco Peninsula, and it commissioned NBBJ to design a medical complex that would accommodate 100 physicians. The facility occupies a prominent 18-acre property that separates downtown San Carlos from the area's main freeway. PAMF asked the designers to find an architectural style for the four-level clinic that would speak to the local community. The result

is contemporary yet warm and non-institutional, thanks to influences that include California Mission style, evident in the center's tan Santa Barbara stucco finish, and mountain lodges, recalled by the redwood-lined overhangs and cleft-cut sandstone walls.

"First and foremost, we wanted to give patients the feeling that they'd come to the right place. We wanted to make it comfortable and not threatening," says David Jury, PAMF's vice president of support services and facilities development.

#### Transparency and natural touches

The building emphasizes transparency throughout, with significant natural light that also aids in wayfinding. The parking garage has a lofty, glassed-in staircase that encourages patients to use the stairs and allows them to easily determine where they need to go. The expansive 3,570-square-foot reception area and adjoining 1,130-car garage were designed to also serve a hospital building, postponed to a later phase of construction. The lobby's back wall is covered in massive, end-block reclaimed Douglas fir, allowing the space to feel more like a hospitality interior. Around the corner, the wood







Clinic waiting areas (above) have horizontal niches with landscape photography printed on plywood panels and are differentiated by translucent dividers (above right) printed with botanical illustrations of native plants. High-backed Martin Brattrud Reveal banquettes (opposite, top) provide privacy for waiting patients. The diagnostic imaging suite (top right) has fuchsia accent lighting, and nurses' stations (opposite, bottom right) and exam rooms (opposite, bottom left) feature neutral tones.

paneling changes to the timbers' long sides, creating the illusion of a giant stack of lumber. Here, as well as in the waiting areas for each clinic, cozy Martin Brattrud Reveal banquettes—customized with a slightly higher seat and back to make it easier to get in and out of them—provide a comforting sense of privacy for patients.

To get to the individual clinics, which range from allergy to urology, patients pass through a glass-walled corridor with gardens on either side. This showpiece architectural element creates the illusion of being outdoors. An aluminum canopy, CNC-turret-punched with an abstract pattern of leaves, filters dappled light into the space. Briggs points out that implementing Integrated Project Delivery (IDP), which brings all the subcontractors together at the start, allowed these details to be designed collaboratively. The live-edge bench, a custom piece designed in-house, runs along one side of the corridor.

The clinic waiting areas, plentiful with natural light, are far cries from the fluorescent-lit rooms of yesteryear.

On the interior walls, photography of the nearby rolling hills

and oak woodlands, printed on plywood panels, runs along a horizontal niche. "We really wanted to avoid having art that had nothing to do with anything around it," Jury says. Translucent dividers, printed with botanical illustrations of the native plants in the gardens outside, serve as gentle markers for different waiting areas.

It's not just the patients that are enjoying a new environment. Unusual for healthcare, the physicians and medical assistants have transitioned to an open-plan office. Pods of four people facilitate the workflow of team-based care, a collaborative approach designed to improve patient outcomes while reducing healthcare costs.

"We get compliments from patients daily about our new facility and how pleasant it is to get medical care here," says Dr. Alireza Shafaie, who practices internal medicine at the center and was the project's medical sponsor. "Physicians and staff have also responded very positively to the new design and have found that it works well in improving communication among the teams." •

#### ley Design Highlights

he building is designed or ample natural lighting, with true north-south orientation nd large windows.

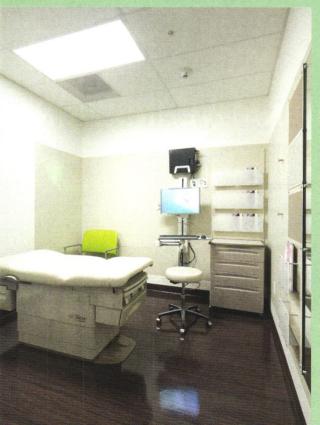
glass-walled corridor with long live-edge bench connects ne main lobby and clinic /aiting areas.

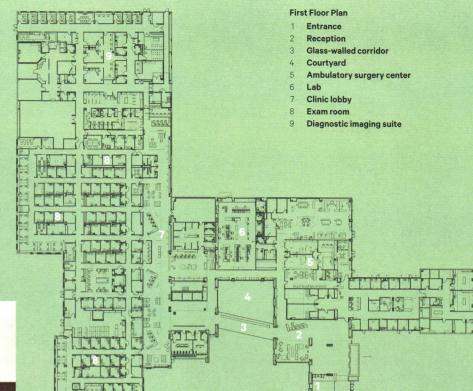
novative uses of natural naterials—including end-grain rood, cleft-cut sandstone, nd hand-troweled plaster—ring out their rich textures.

references to the area's ora and topography contribute a calming and comforting nvironment in waiting areas.

Medical staff work in an pen-office layout to facilitate reater communication.





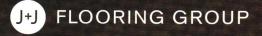








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## Healtheare Environment Awards 2015

Co-sponsored by Contract magazine and The Center for Health Design, in cooperation with the Healthcare Design Conference, the 2015 Healthcare Environment Awards honor healthcare interior architecture and design across a range of project types, including acute care, ambulatory care, long-term care/assisted living, conceptual design, and student projects. Jurors selected six professional and two student projects that demonstrate excellence in healthcare facility design to receive awards and honorable mentions. The jurors were Tom Chessum, FAIA, principal at CO Architects; Abigail Clary, AIA, ACHA, vice president and regional director, healthcare at HDR; Jain Malkin, president of Jain Malkin Inc.; and Lori McGilberry, AAHID, IIDA, senior associate at Corgan and president-elect of The American Academy of Healthcare Interior Designers. Contract Editor in Chief John Czarnecki and a representative of The Center for Health Design will present the awards in a ceremony at the Healthcare Design Conference in Washington, D.C., on November 16.

Pictured here, Memorial Sloan Kettering Cancer Center: West Harrison (page 82), designed by Ewing Cole, is the winner in the ambulatory care category.

## Memorial Sloan Kettering Cancer Center: West Harrison

By Sam Lubell
Photography by Adrian Wilson
and Ron Blunt

EwingCole conceives a calm, cool, and supportive environment for cancer patients and their families





The Garden Room provides patients with a variety of options for waiting, including seating areas (above) with large glass windows and skylights, as well as a cafe (opposite, top right). Rift white oak millwork (opposite, top left) warms up waiting areas. The building's exterior (opposite, bottom three) has been re-clad with gray travertine panels and integrated with a series of gardens and meadows.

When architects and designers are called to remedy the emotional challenges that cancer centers present, they can sometimes go overboard, using colors and spatial gimmicks that can feel cluttered, forced, and perhaps even condescending. The new Memorial Sloan Kettering (MSK) Cancer Center: West Harrison designed by EwingCole has a palette that, instead, suggests calm, cool dignity, and a design that instills informal relaxation, focus, and welcome distraction when needed.

The building itself in West Harrison, New York, just east of White Plains, was built in the 1950s as an office, and most recently had been used by Verizon. But it had become dated, dark, and depressing. In a remarkable transformation, the architects re-clad the bunker-like, "tin can" structure's once-forbidding exterior with a textured, rectilinear composition of thin gray travertine panels and large glass curtain walls.

Around this, EwingCole integrated a series of new landscapes—including layered and manicured upper and lower gardens and a rolling wetland meadow designed by John Meyer Consulting Group—that envelop the building and feel like outdoor rooms, providing respite for both viewing and visiting. A series of travertine and planted

tensile stainless steel mesh screens along the gardens provide privacy and carve out a series of intimate niches.

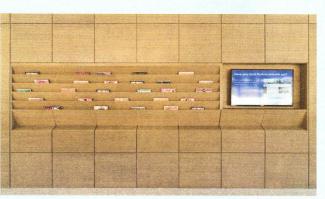
Inside, this sophisticated palette seamlessly continues, with blonde terrazzo floors and calming tones of blue and gray, supplemented with warm rift white oak and cool metals. To hone the sense of serene welcome, the firm studied the design of spas, boutique hotels, and residences. "We wanted to make sure patients felt like they were cared for, like they were family," says EwingCole Principal Mary Frazier.

#### Waiting in different ways

"It wasn't about overpowering the senses with stimulation," says EwingCole Director of Design Saul Jabbawy, who adds that the minimal design also helps focus attention on views of the natural environment outside.

The first significant interior space that patients encounter, the Garden Room, is an addition along the north end of the building. The long, extended lobby seemingly opens to the outdoors through large glass windows, and is illuminated and enlivened through a series of skylights and changes in ceiling height. Along its length, varying seating arrangements and programmed spaces—including a salon, library, and cafe—provide visitors with a number

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Ambulatory Care Winner

Memorial Sloan Kettering Cancer Center: West Harrison

Architect EwingCole

Client Memorial Sloan Kettering Cancer Center

Where **Harrison, New York** 

What **114,500 total square feet** on two floors plus a basement

Cost/sf Withheld at client's request

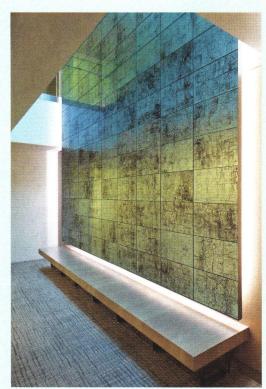
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#### **Key Design Highlights**

A series of landscapes for both viewing and visiting surrounds the structure.

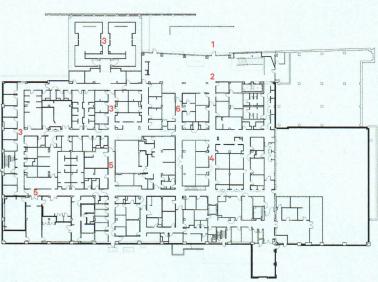
The soft, cool tones of the material palette prove both welcoming and soothing.

Patients choose from a variety of waiting spaces, including outdoor areas, lounges, a cafe, and individual rooms.

Courtyards and skylights bring light deep into the building.







#### First Floor Plan

- 1 Garden
- 2 Den
- 3 Radiation oncology
- 4 Dermatology
- 5 Radiology
- 6 Administration





A small courtyard (above) brings light into a waiting area. Above a bench in the clinical area are 12-inch-by-24-inch. silver-leaf glass tiles mounted to an elm wood veneer panel (opposite, top left). A stair with glass railings (opposite, bottom) connects the building's two levels and admits light. Chemotherapy rooms (opposite, top middle) have views and technology for patient use. Other treatment rooms (opposite, top right) conceal medical equipment behind millwork.

of waiting options. Patients feel more like they're at home, or in a hospitality interior, rather than stuck in a waiting room.

"People like to wait in different ways," Frazier says. Upon checking in, patients are given GPS location tags, so they can wander where they like while still being monitored.

The welcome desk is backed by a 10-foot-by-35-foot multi-layered, etched glass image of a geologic map of the region, which joins the area's sleek furniture, smart chandeliers and pendants by Brooklyn-based artist Lindsey Adelman, large-scale art, and indoor plantings as effective design punctuation marks. All were chosen, Frazier says, not just for their beauty but because they were "not something you would typically see in a healthcare facility."

Throughout the building, the firm has implemented small courtyards, varied ceiling heights, skylights, and a double-height stair to bring light and depth into the varied, flexible spaces. Sound absorbing materials and the lack of a public address system help keep the interior especially quiet, and medical equipment is screened or hidden from view to minimize the space's institutional feel.

"No design detail was overlooked in crafting a transformational patient environment that supports the unique physical and emotional needs of cancer patients and caregivers, nurturing them inside and out," says Suzen Heeley, executive director, design and construction for Memorial Sloan Kettering.

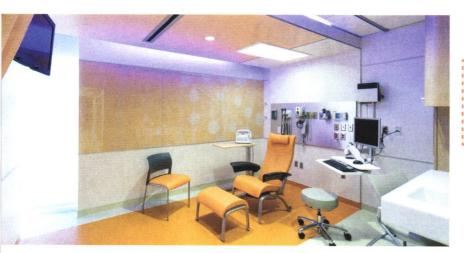
#### Providing patients with options

When they receive chemotherapy treatment, patients have the option of using their own rooms that have windows with views of the scenery outside and are equipped with technology allowing patients to Skype with friends and family, order food, control the lighting or temperature, or watch movies. Patients can also stay in one of the "living rooms," where they can socialize with others, or choose to walk through the building or even the gardens.

"We want the patient to feel that they are in control of their lives, not trapped," says Richard Choy, chief architect for Memorial Sloan Kettering.

Patients have responded positively to the facility's design, as have the clients. This is the third major project that EwingCole has completed for MSK. Choy is especially pleased at how comfortable people feel here, and how it "doesn't look like a hospital," he says. "[The architects] took a building that was abandoned and brought it back to health."

In the reception area, a rounded desk and a circular, lighted element suspended from the ceiling are made from Corian. The Welcome Wall, also made from Corian that is backlit and edge-lit, displays changing graphics and messages to greet visitors and patients.



Treatment rooms (above) feature magnetic glass on some walls for patients and staff to write notes, and stainless steel headwalls keep medical devices organized. The pediatric waiting zone (opposite, top) has touch-screen monitors while the teen room (opposite. middle) is enclosed with curved-glass walls and a sliding, curved-glass door. A green wall on the roof garden (opposite, bottom) conceals the hospital's rooftop ductwork.

Angie Fowler, a vibrant, art-loving teen, succumbed to melanoma in 1983. In the brief months between her diagnosis and death, Angie—an adolescent on the cusp of pediatric care—underwent cancer treatment in adult care settings. That inadvertently compounded her tragedy by offering few age-appropriate comforts to the terminally ill 14-year-old. To honor Angie, address her plight, and bring resources to adolescent and young adult cancer patients, Angie's family—including parents Char and Chuck Fowler, who live in the Cleveland area—donated \$17.5 million in 2011 to establish the Angie Fowler Adolescent & Young Adult Cancer Institute, an outpatient facility at University Hospitals (UH) Rainbow Babies & Children Hospital in Cleveland.

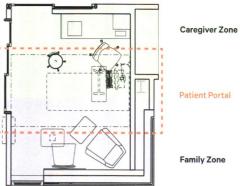
In addition to a state-of-the-art facility for young cancer patients, "we wanted the space to be uplifting, positive, and full of light," says Robert Telecky, project coordinator with UH Construction Services. The hospital selected Atlanta-based firm Stanley Beaman & Sears, known for designing approachable pediatric facilities, to design Angie's Institute—a complete renovation of UH Rainbows eighth floor and the creation of a roof garden.

The design concept embraced light, nature, and color in a warm and hopeful environment focused on the particular needs of adolescent patients. To accomplish this, the Stanley Beaman & Sears team—including Principal Burn Sears, project architects Portia Ellis and Moses Waindi, interior designer Robin Kirkman, and construction administration architectural designer Brian Peterka—worked closely with the UH Rainbow medical staff, the Fowlers, and focus groups of patients and family members.

"We looked to provide an environment that is comfortable and approachable for pediatric patients, but sophisticated and attractive for young adults," Peterka says. The design establishes separate spaces for pediatric and young adult patients, and uses light to literally and metaphorically guide the patient's experience.

#### The illuminated journey

Stanley Beaman & Sears devised "an abstract motif of the 'Illuminated Journey,' which comes from light and nature," Peterka says. Indeed, light and nature pervade Angie's Institute, guiding patients and their families through the 27,500-square-foot outpatient facility, which contains two treatment wings, age-appropriate lounges, a pharmacy, a blood lab, and a rooftop garden.



Upon entry, a 60-foot-long "color-changing Welcome Wall sets the stage for the Illuminated Journey that continues throughout the entire renovation," Peterka says. Against a backdrop of white walls and multi-toned engineered-wood floors and ceilings, the Welcome Wall greets visitors with embedded monitors, which at times display an aquarium theme in reference to Angie's interest in marine biology. Comprised of thermoformed, backlit Corian, the wall connects the pediatric and young adult clinics at opposite ends of the floor.

In the treatment wings, natural light filters through the translucent glass walls of the 25 patient rooms, each outfitted with cheerful gender-neutral color schemes, blonde wood cabinets, and patient-customizable colored lighting. Against the white-hued palette of the clinics' corridors, wood accents flag the decentralized care team stations, which position caregivers closer to treatment rooms and encourage interaction between staff and patients.

On the ninth floor, an open-air garden occupies the formerly uninhabited roof. "Created for patients and families to 'get away' without having to leave," Telecky says, the garden contains a vegetated wall, fanciful sculptures, cast-in-place-concrete planting beds, and a colored-glass canopy, which casts a rainbow onto the paved walking path below.

#### A sense of belonging

The age-specific lounges—spaces where patients can be themselves—are among the most unique aspects of Angie's Institute. For pediatric patients, a playroom offers child-sized work surfaces, bright armchairs, and mounted touchscreen monitors for interactive play. For young adult patients, a separate teen lounge, complete with cushioned window seats, colorful armchairs, and bar-height seating, contains its own interactive element—a sizable audiovisual wall for Internet browsing, movie watching, and video gaming. Large windows allow ample light in, especially in the curved learning area called Grant's Room, which can be isolated with sliding glass doors. Multiple art installations, honoring Angie's love of art, punctuate the interior of white walls, floors of Nora Centica rubber sheet flooring and Centiva wood plank, and striated wood ceilings.

Well-received since opening, Angie's Institute is "bringing a sense of warmth, welcome, and poetry to what could have been a cold, clinical environment," Peterka says. Indeed, while Angie has been gone more than 30 years, her memory survives through the institute, offering young cancer patients a sense of belonging and a path of hope during difficult times.

#### Meander Medisch Centrum









#### Acute Care Winner

Meander Medisch Centrum

Architect Atelier PRO

Client Meander Medisch Centrum

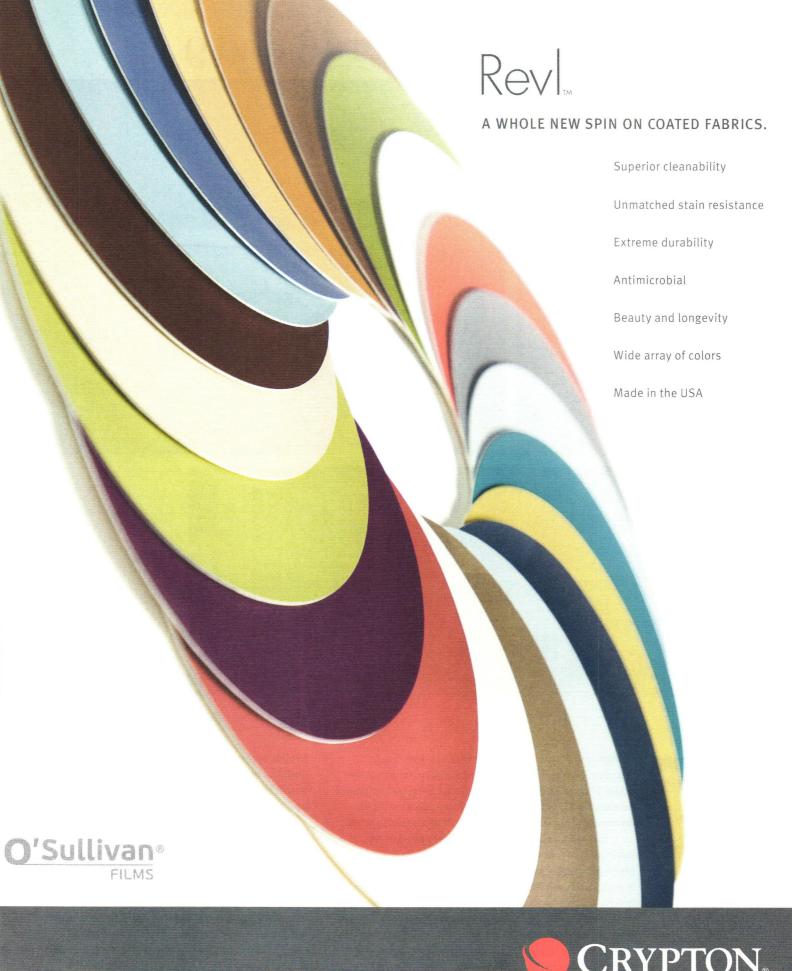
Where Amersfoort, Netherlands Atelier PRO designed the 1-million-square-foot Meander Medisch Centrum, a hospital in Amersfoort, Netherlands, to place patients, visitors, and hospital staff in spaces that encourage active engagement with the landscape. The complex is configured akin to a village with main avenues and public squares that provide opportunities for natural light to permeate every habitable space. This simple, urbane organization allows for convenient wayfinding throughout, using public facilities such as the restaurant, pharmacy, auditorium, and waiting rooms as landmarks for orientation.

All patient rooms are private, have individual bathrooms, and feature large sliding doors leading to adjacent lounge areas. Each wedge-shaped lounge has large windows with panoramic views.

Clinics occupy a series of individual buildings that resemble outspread fingers. Designed to be expanded in the future, the clinics are organized around large, daylit atriums that provide interior focus for the large number of patients and visitors in this area of the hospital.

The well-being of patients, visitors, and workers is supported through comprehensive integration of daylight, nature, and easy wayfinding. Extensive glass in both the exterior envelope and interior partitions allows light to permeate the building and foster a sense of brightness and openness. Timber is featured as a warm contrast in public spaces and patient rooms to underscore the building's relationship to the natural landscape. —EDWARD KEEGAN

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#### Roberts Pavilion Floors 8 and 9









#### Acute Care Winner

Roberts Pavilion Floors 8 and 9

Architect EwingCole

Client Cooper University
Health Care

Where Camden, New Jersey

EwingCole revisited the 10-story Roberts Pavilion in Camden, New Jersey, completed in 2008, to build out two floors. Sixty patient beds in 30 private rooms were planned for each floor, serving advanced-care surgery patients on the eighth level and heart patients on the ninth level.

Individual rooms are configured to provide an environment more like a high-end hotel than a hospital. Medical equipment typically located in a headwall is relegated to adjacent cabinetry so that caregivers don't need to reach over the patient. By concealing the equipment, the architects could dedicate more space to visitors. Rooms feature large windows, bamboo flooring, soft-edged soffits, and adjustable lighting, as well as flat-screen televisions that allow patients to access entertainment and staff

to view medical data. Furniture, wallcoverings, privacy curtains, and ceiling tiles feature abstract natural patterns in soft colors. Private bathrooms emulate a spa, with mosaic-tiled showers.

Graphics in public areas reference specific locales in South Jersey, including Camden, the Shore, and the Pine Barrens. Millwork, which includes collaboration stations, wall panels, and acoustical wood ceiling soffits, is sculpted to allude to the natural environment of the surrounding area.

The project is a Planetree Certified Environment, exemplifying cultural integration of patient-centered design methods, including respect for privacy, quietness, and enabling the patients to participate as partners with their caregivers. —EDWARD KEEGAN

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#### Alden Estates of Evanston







#### Long-Term Care Winner

Alden Estates of Evanston

Designer Alden Design Group

Client Alden Management Services

Where Evanston, Illinois

Alden Design Group renovated a three-story, skilled nursing facility in the Chicago suburb of Evanston, Illinois, to create a comfortable, residential environment.

A combination of custom millwork, including new wood paneling and moldings, unique textiles, and Italian wall mosaics form a rich palette for revamped public spaces that encourage social interaction among residents.

The T-shaped floor plan was reconfigured to allow for a larger capacity of residents and to provide them with upgraded amenities and additional areas for socializing. The first-floor lobby includes a coffee bar, a baby grand piano, and varied seating options. Residents now attend more social gatherings, validating the design's approach to draw them out of their individual rooms to these shared spaces.

State-of-the-art physical and occupational therapy centers were designed for maximum efficiency. For example, the therapy center utilizes part of the previous corridor to provide residents with an extended walking path. The third floor contains new single and double rooms that facilitate rehabilitative care. Emulating luxury hospitality interiors, each room has a private bath with shower and ample space where residents can receive guests. —EDWARD KEEGAN

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#### Movement Matters

The Active Workspace by Humanscale NeoCon East #1909 | www.humanscale.com

#### Rancho Los Amigos National Rehabilitation Center









Conceptual Design

Honorable Mention

Rancho Los Amigos National Rehabilitation Center

Architect SmithGroupJJR

Client Los Angeles County

Department of Health Services

Where Downey, California

SmithGroup JJR conceived a bold new identity for Los Angeles's Rancho Los Amigos National Rehabilitation Center on a 12-acre site southeast of Downtown Los Angeles. Rancho Los Amigos, founded in 1888, is the only rehabilitation hospital for the Los Angeles County Department of Health Services and provides care for 4,000 inpatient and 71,000 outpatient visitors each year for a variety of conditions, including adult and pediatric spinal cord injuries, brain injuries, orthopedic disabilities, strokes, neurological disorders, and physical and developmental disorders.

A central plaza defines the heart of the campus, and two new structures are proposed between an existing building and a parking garage to house a variety of clinics and therapy gyms, as well as a wellness center. A glazed concourse lines the plaza, connecting these functions and providing areas of respite every 150 feet. Sliding walls and gardens contribute to a park-like atmosphere that blurs the boundaries between inside and out.

Drawing inspiration from the area's diverse cultural history and a historic Mission Revival building onsite, an undulating, perforated metal scrim recalls the texture of traditional stucco and terra cotta roofing tiles while providing shade for visitors, staff, and patients. The center's material palette, outdoor looping pathways, and a series of interconnected gardens reference the weaving therapy that Rancho Los Amigos became known for around the turn of the century. —EDWARD KEEGAN

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#### UIHC Tower 2

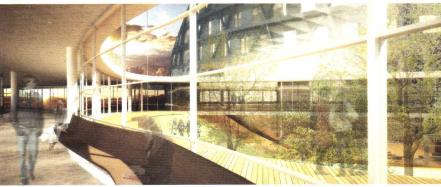
Student Winner

**UIHC Tower 2** 

Designers Yongyeon Cho, Haoyu Fang, Yifan Luo, and Casey Tiedman of Iowa State University

Where Iowa City, Iowa





A team of Iowa State University students proposes an undulating, oval-shaped, 12-story tower for a new hospital on the University of Iowa campus. Existing structures on the project site posed complex circulation challenges, which were resolved by allowing for vehicular access on the ground level and protected pedestrian circulation a level above. Both levels are enhanced by landscape elements, including a healing garden integrated with an existing children's hospital landscape on the second level.

The twisting form of the tower, which features an exposed diagrid structural system, captures views from patient rooms, which have uniquely shaped floor plans with no right angles. Zones within patient rooms are designated for guest seating at the exterior wall, work areas along the periphery for healthcare providers, and a dedicated clinical space in the center for the hospital bed and medical equipment. Gently curving partitions, coupled with a palette of wood and light natural colors, create a comfortable interior conducive to healing. —EDWARD KEEGAN

### Foothills Family Medical Center

Student Honorable Mention

Foothills Family Medical Center

Designer Jonathan Jiang, Clemson University

Where Central, South Carolina

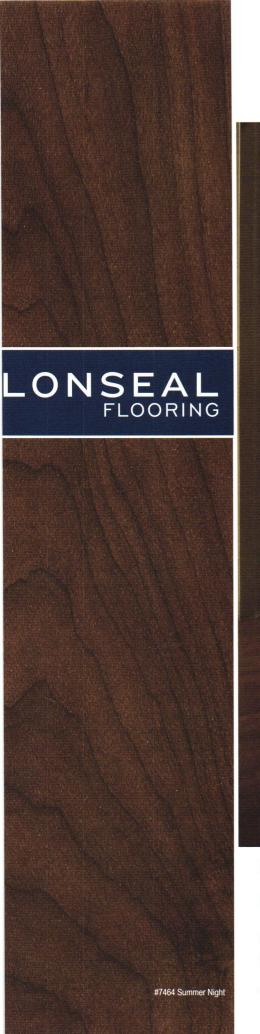
Clemson University student Jonathan Jiang explores the potential for a primary ambulatory clinic to deviate from the standard solution that fits clinical functions within an ordinary commercial structure. Embracing the shift from "a forced way of disease healing toward a natural approach to holistic well-being," Jiang's concept for the Foothills Family Medical Center in Central, South Carolina, creates a community asset that can provide an innovative approach to healthcare design and delivery.

Sited in a suburban residential community, the proposed structure is concealed below grade and encloses a large landscaped courtyard with a water element that collects rain. The medical structure's green roof grows vegetables that are to be used within the facility's demonstration kitchen as part of a campaign to promote better health through preventative care.

Individual exam rooms are located in pods focused on different specialties, and small adjacent courtyards provide patients with access to nature. The center's interior features curved elements and live plants that contribute to a calming environment, which promotes healing for patients and provides an attractive workspace for healthcare providers. —EDWARD KEEGAN









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Modern Clinic Design: Strategies for an Era of Change

by Christine Guzzo Vickery, Gary Nyberg, and Douglas Whiteaker (Wiley, 2015)



#### Architects and Designers at HGA Coauthor Authoritative Book on the Design of Clinics

By Sara O. Marberry, EDAC

Keeping up with changes in healthcare delivery is not easy. Social, economic, and political forces are constantly reshaping the healthcare "landscape" and challenging design professionals to find new solutions for delivering quality care environments. That's why "Modern Clinic Design: Strategies for an Era of Change" (Wiley, 2015) by Christine Guzzo Vickery, Gary Nyberg, and Douglas Whiteaker is timely.

Those who have Jain Malkin's classic, "Medical and Dental Space Planning" (Wiley, fourth edition, 2014), on their shelves may not think they need another book on this subject. And the detail in Malkin's 688-page volume is more comprehensive than any other book about healthcare design. But the 336-page "Modern Clinic Design" offers a fresh, condensed look at ambulatory care design and the trends shaping it now and in the future.

A collaborative process, this book was written by a team of veteran healthcare interior designers and architects with HGA Architects and Engineers, with colleagues as contributors. So, most of the many project examples and diagrams in the book are HGA's work, but the book is not about HGA.

#### From clinic planning to lean design

Organized into 10 chapters, the book is a thoughtful exploration of topics such as the patient experience, lean design, designing for flexibility, clinic planning concepts, exam room design, politics and healthcare, retail healthcare, medical home model, and non-traditional clinic models. The impact of evolving legislation, changing technologies, aging populations in the U.S., and other cultural factors are thread throughout the book, with each contributing author offering his or her perspective on how those forces are shaping clinic design.

In his introduction, healthcare design expert Frank Zilm describes the design of clinics as the "heart of ambulatory care." The heart of the book itself may be the chapter on exam room design written by retired HGA Healthcare Principal Gary Nyberg, who points out that "who does what, when, and where" in the clinic environment is changing. "As more health services flow toward the point-of-care, the exam room is becoming the place where most of the work

is accomplished," Nyberg writes. The chapter also includes 10 exam room prototypes with diagrams and a very useful comparison table.

Notably, the authors include a whole chapter devoted to politics and healthcare. Written by HGA Healthcare Principal Douglas Whiteaker, the chapter is a fascinating analysis of how politics and healthcare influence each other in the U.S., starting with the Pilgrims of Plymouth colony that provided care for wounded soldiers in the 1600s. Whiteaker frames the description by era, providing an overview of major political and medical events that shaped U.S. healthcare, from Typhoid Mary to Florence Nightingale, Medicare and Medicaid, COBRA, HMOs, and more.

In this chapter, Whiteaker discusses how design professionals have "addressed the constantly changing challenges presented by political forces and other factors." Suggestions for how designers act on new opportunities and "maintain and enhance their valued position as trusted advisors for their clients" can also be found within the chapter. But placing this information at the front of the book instead of the seventh chapter would have been more impactful.

Readers will learn from HGA Principal Jennifer Klund's description of the history of the medical home model and the challenges facing it today. She explores the seven key characteristics of medical homes—continuity, team-based care, whole-person orientation, coordination, quality and safety, enhanced access, and payment reform—and the trends influencing design. A strong section on the impact of technology and its use in the medical home model is included. The chapter ends, as many in the book do, with project examples accompanied by detailed floor plans.

Seasoned healthcare design professionals may learn a thing or two from the book, and mid-career designers, students, and healthcare managers will find it to be a very useful resource.

Sara O. Marberry, EDAC, is a healthcare design writer, blogger, speaker, and strategic marketing and business consultant in Evanston, Illinois.

## monumentality:

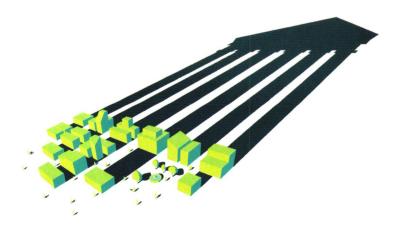
(mon-yuh-men-tahl-i-tee)

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#### **Healthcare**

#### Designers name their top product picks for healthcare environments

**Anika Stewart** 

Lumetta: Telescope

umetta.com

KMDI: MicroLite!

kmdi net

**Tarkett: Johnsonite Acczent Flourish** 

iohnsonite.com



Associate Kahler Slater Madison, Wisconsin



"Telescope features a lightweight frame system and backlit Lumenate diffuser. Available in a wide range of aesthetics, the luminaire is capable of withstanding commonly used healthcare cleaning agents. The easily customized fixture also comes with a practical price point."



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Heidi Dunn

Momentum Textiles: Starboard Collection

themomaroup.com

3form: Profile

ctudiohy3form.com

Skyline Design: Make

skydesign.com



Interior Designer Stantec Architecture San Francisco



"The Starboard Collection has seven highperformance patterns that are both colorful and dynamic. This fabric is durable, cleanable, and sustainable. I enjoy mixing the bold patterns of this collection with the simple colors of Momentum's Silica Collection."



"This product is great for lobby feature walls or donor recognition unique to a specific project or client. The finish options, such as wood, capture warmth and texture without the limitations that hardwood veneer panels have in a healthcare environment."



"We use glass in a lot of different applications, such as railings, feature walls, and partitions. This product allows designers to determine the opacity based on the density of pattern, scale, and distortion, or with the addition and saturation of color."

Jennifer Mango, IIDA, ASID

Navetta: Eidos

navettadesign com

Yellow Goat Design: Bagels

yellowgoatdesign.com

Forbo: Flotex

forbo con



Senior Interior Designer Tsoi/Kobus & Associates Cambridge, Massachusetts



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#### King Abdullah Specialty Children's Hospital (page 54) who Architect and interior

designer: Perkins+Will. Architect of record: Dar Al-Handasah. Architecture project team: Robert Jones Lindgren, AIA, James H. Smith, AIA, Diedra Woodring, AIA, Dawn Mixon-Bennett, AIA. Interior design project team: Amy Sickeler, Brenda Smith, IIDA. Contractor: Saudi Binladen Group. Engineering: Dar Al-Handasah. Landscape design: Perkins+Will. Graphics: Perkins+Will. what Wallcoverings: MDC, digital print Ecore wallcovering. Paint: Benjamin Moore; Roberts Paint. Laminate: Abet Laminati; Nevamar: Wilsonart, Drywall: USG. Movable wall: Skyfold. Hard flooring: Traco marble and granite; Emperador Light; Meadowlark; White Thassos; Lapis Lazuli; Giallo Sienna. Resinous flooring: Stonehard. Resilient flooring: Forbo Linoleum; Mondo Rubber. Carpet/carpet tile: Tandus Centiva, broadloom; Interface, carpet tile; Shaw Contract Group, carpet tile. Ceiling: Armstrong. Lighting: Focal Point; Fail-safe; Zumtobel. Task/fluorescent/ industrial/exterior lighting: Philips. Floor/table lamps: Artemide. Pendants/chandeliers: local art source, custom chandelier. Architectural glass/ glazing/decorative panels/ partitions: 3form, Window treatments: Mechoshade. Workstations: Teknion, Lounge/ reception seating: Davis; Moroso; Nienkamper; Bernhardt: Coalesse. Patient seating: Carolina Business Furniture. Cafeteria/dining seating: Davis. Auditorium seating: Sedia Systems. Upholstery: Arc-Com; Maharam: Unika Vaev Designtex; Knoll. Conference tables: local source. Cafeteria/ dining tables: Orange Box. Reception desk: custom millwork. Side tables: Davis, Files: Teknion. Shelving: Metro Shelving. Drawers/case goods: Teknion. Plumbing fixtures/fittings:

#### Kaiser Permanente Kraeme Radiation Oncology Center

finishes: Crypton; Nano-Tex.

Kohler; RAK. Textile treatments/

who Architect: Yazdani Studio of CannonDesign. Architecture project team: Mehrdad Yazdani, design principal and lead designer; Carlos Amato, AIA, principal and lead medical planner; Kevin Spady, AIA, principal and project manager. Project team: Hansol Park, AIA, Jennifer Ries, Jessica Yi, Jack

Poulin, IIDA, Jenny Tse, Jay Whisenant, AIA, Joe O'Neill, AIA, Harold Sibley, AIA. Contractor: Turner Construction. Lighting: Atelier Ten. Engineer: RBF Engineering, civil; Mazzetti Nash Lipseyburch, M/P; DPB Engineering, Inc., electrical; John A. Martin & Associates, structural. Landscape architect: AHBE Landscape Architects. Security: Guidepost Solutions. what Paint: Dunn Edwards.

Laminate: Pionite; Neuamar; Wilsonart. Polycarbonate panels: 3form, Wood veneer walls: Kaiser Vernon. Hard flooring: Corrodini, terrazzo. Tile: Crossville. Resilient flooring: Forbo. Carpet/carpet tile: J+J Invision. Ceiling: Armstrong. Recessed lighting: Lithonia. Exterior lighting: Spectra; Bega; Gardco. Curtain wall: Bagatelos Architectural Glass Systems, Inc. Window treatments: Mechoshade. Workstations: Steelcase; Tangram Interiors. Workstation/ task/conference seating: Steelcase. Lounge/reception seating: Coalesse. Patient seating: Steelcase. Cafeteria/ dining seating: Steelcase. Upholstery: Designtex; Maharam. Conference/cafeteria/dining/ side tables: Coalesse, Files/ shelving: Steelcase. Lockers/ cubbies: Steelcase. Cubical curtains upholstery: Maharam. Architectural/custom woodworking: Kaiser Vernon. Plumbing fixtures/fittings: Kohler; American Standard.

#### UNC Hospitals Hillsboron Campus (page 68) who Architect and interior

designer: ZGF Architects.

Associate architect: BJAC/EYP. Contractor: Skanska. Lighting: Affiliated Engineers, Inc. Medical equipment planner: Walsh Consulting Group, Inc. Engineering: Affiliated Engineers, Inc., MEP; Stewart Engineering, Inc., structural; Summit Design and Engineering Services, PLLC, civil. Kitchen: SSA Food Service Design + Consulting. Landscape: Sears Design Group. Graphics: SignCraft Solutions, wayfinding signage. Cost estimator: Vermeulens Cost Consultants. what Paint: Sherwin Williams. Laminate: Wilsonart: Formica: Laminart: Trespa, Drywall: National Gypsum Company. Masonry walls: Oldcastle-Adams. CMU; Taylor Clay Products, Inc., face brick. Movable walls: Modernfold. Cross-corridor fire doors: McKeon Door Co., fire shutter and fire curtain;

Won-Door Corporation, folding

fire partition. Hard flooring: David

Allen Company, epoxy terrazzo; Dex-O-Tex and Stonhard. fluid-applied; Daltile, quarry tile, ceramic tile, porcelain tile. Resilient flooring: Johnsonite, Burke, Roppe, wall base; Gerbert Polyflor, sheet vinyl; Armstrong, vinvl tile: Forbo, linoluem sheet (wall protection); Mannington, Armstrong, luxury vinyl tile. ECO Surfaces, rubber flooring; USF Contract, cork. Carpet/carpet tile: Tandus Centiva; Mannington. Ceiling: Armstrong; Ceilings Plus. Other decorative: Lumivisions, illuminated graphic panels. Hardware: Ingersoll Rand, LCN, Ives, Schlage; ASSA ABLOY Von Duprin, Corbin Russwin; Horton; and others. Doors: Steelcraft, steel doors; VT Industries, wood doors; Besam/ASSA ABLOY, sliding entrance and ICU doors. Architectural glass/glazing: Oldcastle Building Envelope, curtain wall and storefront; Dorma, all-glass doors and walls. Decorative glass panels/ partitions: Skyline Design; Livinglass. Window treatments: Hunter Douglas. Workstations: STORR Office Environments; Steelcase, Answer/Universal systems products. Workstation/ task seating: Global, Roma; Steelcase, Cachet. Conference seating: Safco, Sassy Lounge/ reception seating: Carolina Business Furniture, Voyage, Retrospect, Silver Ion. Patient seating: Carolina Business Furniture, Orchestra, Retrospect. Cafeteria/dining seating: Falcon. Other seating: Gunlocke, Molti; Steelcase, Sorrel; Studio Q, Beacon; FurnitureLab, Venus booths. Upholstery: Arc-Com; CF Stinson; Momentum. Tables: STORR Office Environments. Conference tables: First Office, Applause. Cafeteria/dining tables: FurnitureLab. Training tables: First Office, Applause. Reception desk: provided by Skanska. Side/other tables: Carolina Business Furniture, Embrace. Files/shelving: Steelcase Lockers/cubbies: Republic Storage Systems, LLC., metal lockers: Ideal Products, Inc., wood lockers. Drawers/case goods: First Office, Staks. Architectural/custom woodworking: Blankenship Associates, Inc.; SJ Morse. Planters/accessories: Landscape Forms; Jay Scotts. Signage: Craven Sign Services, Inc.

#### Palo Alto Medical Foundation

who Architect and interior designer: NBBJ. Architecture project team: Dale Alberta, Kimball Bergerud, CJ Brockway, Mary Butenschon, Rich Dallam, Barb Gipple, Jon Grav, Jav Halleran, Mas Haruyama, Chad Harnish, Dylan Henry, Wayne Hiranaka, Chuck Jackson Euiseok Jeong, Ross Leventhal, Craig Matheny, Andrew Molchany, Rob Murray, Angela O'Brien-Ruff, John Pangrazio, Bill Parker, Larry Parrett, Matt Powell, Jesse Prince, Celeste Robinette, Robert Seelenbacher, Lynne Shira, Larry Smith, Dave Swain, Kimberly Taylor, Diane Vondruska, William Wagner, Emily Wong-Suh. Interior design project team: Dale Alberta, Josie Briggs, Shannon Coughlin, Rich Dallam, Katie Davis, Ashlee Holtman, Diane Lasko, Diane Lindberg-Nigh, Pete Lorimer, Anna McCune, Sarah Oliver, Tara Schneider, Rysia Suchecka, Christina Yates. Contractor Skanska. Lighting: NBBJ. Engineering: KPFF, structural; Mazzetti, MEP: BKF Engineers. civil. Landscape: Office of Cheryl Barton, Graphics: NBBJ; Weidner Signage. Acoustician: Sparling. Environmental graphic design: Kate Keating Associates. Medical equipment planning: NBBJ. Lab planning: Strategic Facilities Planning, Glazing/metal panels/sunshades, custom laser cut steel bridge canopy/interior glass and mirrors: Royal Glass. Framing/drywall/plaster: KHS&S. Custom casework and wood paneling: Mission Bell. Structural steel and stairs: Schuff Steel. Mechanical trade partner: Southland Industries. Electrical trade partner: Redwood Electric Group. Doors/frames/hardware trade partner: Walters & Wolf Interiors. Site work and landscaping trade partner: McGuire & Hester. Roofing trade partner: Alliance Roofing Co., Inc. Concrete: Charles Pankow Builders, Ltd. Fire protection: Superior Automatic Sprinkler Company. Furniture dealer: One Workplace.

A & B Painting. Masonry walls: Colorado Stone Company, Wood walls: Terramai. Movable walls: DIRTT. Column wrap: Alpi. Wall protection: Acrovyn. Custom troweled wall: KHS&S. Hard flooring: Kaswell Flooring; Daltile. Resilient flooring: Forbo: Nora. Carpet/carpet tile: Shaw Contract Group. Stone cladding and tile floors: Superior Tile. Flooring: RE Cuddie, resilient flooring, carpet, base. Ceiling: Armstrong; San Francisco Interiors, acoustical ceilings and reclaimed redwood soffits. Stretched fabric ceiling: Clipso: Maharam. Custom metal ceiling:

what Paint: Benjamin Moore;

Pohl Inc. of America. Recessed lighting: Tech Lighting; Kirlin; Portfolio; Gotham; Spectrum; Intense. Track lighting: Edison Price. Task lighting: H.E. Williams. Fluorescent/industrial: Kennal; Vista; Litecontrol; Alight; Lithonia; Columbia; Pinnacle; Prudential; iO; Belfer. Pendants/ chandeliers: 3form LightArt; Shaper; Ledalite. Sconces: Rezek; Insight. Other decorative: Electric Mirror. Exterior lighting: Beta LED; Visionaire; Lithonia; Rebelle; Bronzelite; Winoona; Insight; Bega; Gardco; Hydrel; Targetti, Shaper; Celestial; Fail-safe; Lumiere. Sliding aluminum glass doors: Raumplus North America. Sliding ICU doors: Horton Automatics. Architectural glass/glazing: PPG, SolarBan 70XL. Decorative glass panels/partitions: Skyline Design: Creative Central: 3form: Peter David. Workstations: Steelcase: One Workplace Workstation/task/conference seating: Steelcase. Lounge/ reception seating: Steelcase; Flexform; Brent Comber; Martin Brattrud. Patient seating: Steelcase. Custom bench at bridge: Woodtech, live edge. Upholstery: Architex; Ultrafabrics; Carnegie; Sina Pearson; Edelman Leather; Maharam; Arc-Com; Spinneybeck Leather. Exam room chairs: Steelcase Literature holder: Takeform. Accessories organizer: Takeform. Computer accessories: Humanscale, Cubicle curtain: Carnegie. Conference/training/ side tables: Steelcase, Reception desk: Casework. Other tables: Brent Comber. Files: Steelcase. Shelving: Woodtech; Steelcase. Lockers/cubbies: Steelcase Health. Architectural/custom woodworking: Woodtech; Richlite. Accessories: Landscape Forms, exterior bench. Window shades: Peninsulators. Modular casework: Carleton Group, Midmark. Interior accessories: Rebarber. Medical equipment: Philips, imaging, Medical equipment: Stryker, surgery. Niche photography: Sean Airhart, Rob Murray.

#### Memorial Sloan Kettering Cancer Center: West Harrison

who Architect: EwingCole.
Architecture project team:
Andrew Jarvis, principal-incharge; Mary Frazier, managing
principal and healthcare planner;
Oscar Gomes, project manager;
Saul Jabbawy, project designer;
Carl Speroff, lighting designer;
continued on page 108

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continued from page 106 Corina Vijeu-Pias, life safety engineer. Interior designer: EwingCole and Memorial Sloan Kettering Cancer Center design team. EwingCole interior design project team: Colleen Harrington, interior designer. Memorial Sloan Kettering Cancer Center design team: Suzen L. Heeley, executive director, design and construction; Maria Hinds-Pascall, project management associate, FFE; Lisa Wang, senior project manager, design; Janet Windus-Yavrouian, project management associate interiors Contractor: Hunter Roberts Construction Group. Lighting: EwingCole. Engineering: Jaros Baum, Bolles Consulting Engineers, MEP; John Meyer Consulting Group, civil; Robert Silman Associates, structural. Landscape: John Meyer Consulting Group. Graphics: H-Plus Inc. Acoustician/ audiovisual: Cerami & Associates, Inc. Telecommunications and security: Jaros Baum; Bolles Consulting Engineers. Geotechnical: Carlin-Simpson & Associates. Building envelope:

CRT, Inc. Medical equipment planner: Shen Milsom Wilke, LLC. Vertical transportation: Van Deusen & Associates. Artwork: Vick Art Advisors.

what Wallcoverings: Carnegie. Xorel; Wolf-Gordon; Maharam. Solid surface: Corian, Porcelain, tile: Porcelanosa. Movable walls: DIRTT, demountable partitions. Hard flooring: Port Morris, tile and marble custom terrazzo. Resilient flooring: Ceres PVC-free sheet and wood-look plank. Carpet/carpet tile: Shaw Contract Group. Ceilings: Armstrong World Industries; 9 Wood. Recessed lighting: Selux; RSA; Portfolio; Corelite; USAI. Task lighting: Koncept. Fluorescent/industrial: Lithonia. Pendants/chandeliers: Lindsey Adelman: Neidhardt, Other decorative: Acclaim. Exterior lighting: Beta; Selux; Interlux; Lumascape. Hardware: McKinney; AsA Abloy; Markar; Ives; Marks; Schlage; Ingersoll Rand: Von Dunrin: LCN: Glynn-Johnson; NGP; Rockwood; Doug Mockett. Decorative glass panels/partitions: Archetype: 3form: Carvart Window treatments: Lutron.

Workstations: Steelcase. Workstation/task seating: Steelcase. Conference seating: Gunlocke. Lounge/reception seating: HBF: Cumberland: Andreu World; Bernhardt. Patient seating: IOA; Stylex. Cafeteria/ dining seating: KI. Upholstery: Knoll Luxe; Ultrafabrics; Maharam: Brentano: HBE Textiles; Mayer Fabrics; Carnegie. Conference tables: Steelcase: Nienkamper. Cafeteria/dining tables: Harter; Davis. Training tables: Coalesse. Side tables: HBF: Hudson Furniture Files: Steelcase. Architectural/custom woodworking: Bacon Veneer: Imperial Woodworking; DIRTT, patient area millwork. Signage: H-Plus Inc. Plumbing fixtures/ fittings: Toto; American Standard; Corian; Kohler; Fiat: Sloan: McGuire: Chicago: Encon; Guardian; Moen; Elkay; Powers; T&S.

Angie Fowler Adolescent and Young Adult Cancer Institute (page 88)

who Architect: Stanley Beaman & Sears. Architecture project team: Burn Sears, Portia Ellis, Moses Waindi, Brian Peterka.

Interior designer: Robin Kirkman.
Contractor: Mid-continent
Construction. AV: The Sextant
Group. Lighting: CD+M Lighting
Design Group. Engineer:
Uzun+Case, structural; FF&H
Engineers, MEP. Landscape:
Visionscapes. Graphics: Stanley
Beaman & Sears.

what Wallcoverings: Vitrulan, VPP 200; Carnegie, Xorel. Paint: Sherwin Williams. Laminate: Nevamar; Corian. Drywall: USG. Resilient flooring: Nora Centica. 3mm rubber sheet flooring; Tandus Centiva, wood plank, Carpet/carpet tile: Lees, Within View Tile: Nurazzo Ceilings: Decoustics: USG. Interior lighting: Color Kinetics. Recessed lighting: Nolan; Mark, Portfolio. Exterior lighting: Portfolio; Bega; Philips. Hardware: McKennev: Yale: Norton. Doors: Marshfield. Architectural glass/glazing: Oldcastle. Decorative glass panels/partitions: Skyline Design with custom etched pattern and kid's glass; Glass & Mirror Craft. Window treatments: MechoShades. Seating: Herman Miller; Steelcase; SitOnIt;

Coalesse Workstation/task seating: Steelcase, Amia. Conference seating: Coalesse, SW\_1. Lounge/reception seating: Martin Brattrud, Kurve chairs; Steelcase, 416 chairs; Bernhardt, Anel ottomans: Steelcase: Krug. Zola. Patient seating: Nemschoff; Nala, Nova side chair. Children's seating: TMC, Plover; Steelcase, Turnstone paper table Nurse station booths: Dupont Corian. Conference tables: Coalesse. SW\_1. Reception desk: Dupont Corian. Side tables: Krug, Zola. Files: Steelcase, Universal. Lockers/cubbies: Ideal Products. Architectural/custom woodworking: custom fabricators. Garden planter tile: Caesar, Concept.S, Nordic Stone Wall Mix. Vegetated wall: Tournesol, VGM. Vegetated screen: Greenscreen, Roof pavers: Ecosurface. Plumbing fixtures/fittings: American Standard. Textile treatments/ finishes: Nano-Tex

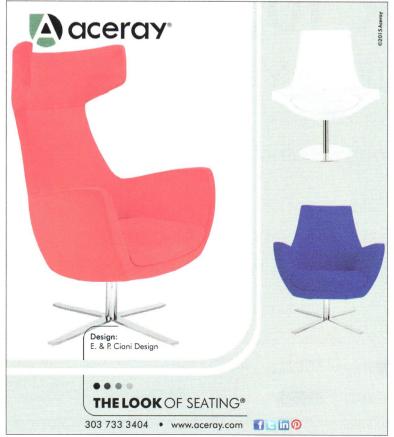
Roberts Pavilion Floors 8 and 9 (page 94)

**who** Architect and interior designer: EwingCole.
Architecture project team:

John Capelli, AIA, principal; Saul Jabbawy, project designer; Eric Rottkamp, project manager. Interior design project team: Saul Jabbawy, Tara McGrath. Contractor: HSC Builders and Construction Managers Lighting/engineering: EwingCole. Graphics: Jeffrey Totaro, photographer; Christopher Mayrides, graphic designer. what Wallcoverings: National Digital, Paint: Sherwin Williams. Laminate: Wilsonart. Resilient flooring: Armstrong: Mannington. Carpet/carpet tile: Shaw Contract Group. Ceiling: Armstrong; Rulon. Recessed lighting: Finlite: USA Illuminations; Gotham. Task lighting: Alkco, Fluorescent/ industrial: Finelite; Selux. Conference seating: Stylex. Lounge/reception seating: Krug. Patient seating: Nemschoff. Other tables: Nemschoff, waiting room, patient overbed table; KI, patient side table. Architectural/ custom woodworking: Rulon. Plumbing fixtures/fittings:

American Standard.

#### **IDEAS & INFORMATION**



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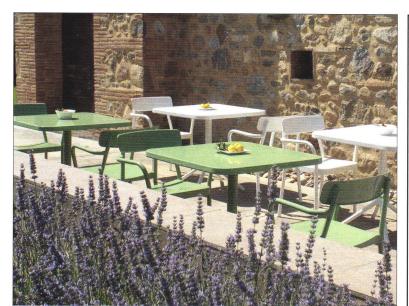
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#### IDEAS & INFORMATION



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#### Grace Collection by Samuel Wilkinson

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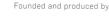
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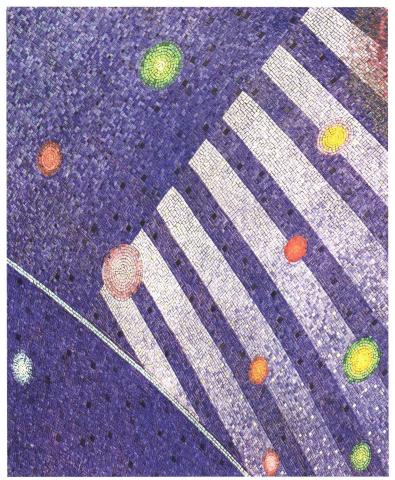


#### Vibrant Mosaics Greet Visitors to the Newest New York Subway Entrance

In two large-scale mosaics for the new 34 St-Hudson Yards subway station in New York, artist Xenobia Bailey has designed intricate patterns (bottom). One mosaic is in the curved, recessed ceiling dome of the mezzanine (below), and the other crowns the escalator entrance (right).







For New Yorkers, as well as visitors to the city headed to the Javits Center or the newly developed Hudson Yards area, the new 34 St-Hudson Yards subway station is a welcome addition. Designed by Dattner Architects with a multidisciplinary team led by WSP | Parsons Brinckerhoff for the Metropolitan Transportation Authority (MTA), the station opened in September to connect the Far West Side with Midtown Manhattan. The highlight, though, is for riders who look up. As one descends into the station, they encounter two majestic mosaics suspended above.

Designed by Xenobia Bailey, an African-American fiber artist who works primarily in crochet and textiles, the glass mosaics are titled "Funktional Vibrations." One mosaic spans the width of the entrance above the escalators, essentially crowning the station. It features overlapping mandala-like circles and patterns against a cobalt blue background. A sun-like form emits rays of color bands, and starbursts of bright light appear through the blue background. Inside the station mezzanine, a second mosaic—also designed with repeating mandalas and patterns on a deep blue background—is seen in the curved, recessed ceiling dome.

Bailey's art for the station began as crocheted pieces, which were transferred to digital images, enlarged, and interpreted into mosaic by Miotto Mosaic Art Studios. Vibrant and rich in color, texture, and pattern, the mosaics are celebratory public art in a dynamic part of the city seeing the greatest transformation. —JOHN CZARNECKI

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