

ARCHITECTURE MN

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MEDICAL ADVANCES

Five groundbreaking new healthcare projects offer evidence that design is good medicine, too.

PAGE 21

MEDICAL HISTORY

The story of Mayo Clinic's rise to world-class standing has strong architectural settings and themes.

PAGE 40

HISTORIC DESIGNATION

AIA Minnesota's top honor, the Firm of the Year, goes to a small preservation-focused studio with a long resume.

PAGE 18

Design for Health

*A new hospital brightens
medical care for children*

COVER: UNIVERSITY OF MINNESOTA
AMPLATZ CHILDREN'S HOSPITAL, PAGE 22

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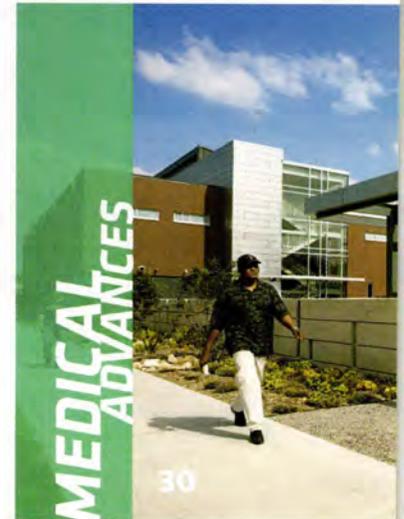
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Architecture Minnesota, the primary public outreach tool of the American Institute of Architects Minnesota, is published to inform the public about architecture designed by AIA Minnesota members and to communicate the spirit and value of quality architecture to both the public and the membership.



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By Christopher Hudson

AIA Minnesota's 2011 Firm of the Year, the preservation-focused MacDonald & Mack Architects, has been flying under the radar for decades. But the buildings the firm has brought back to life? You know them well.

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Innovation is the name of the game in healthcare, and these five new buildings all qualify as bona fide breakthroughs.

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Amplatz Children's Hospital
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By Amy Goetzman

City Health:
Whittier Clinic
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By Frank Edgerton Martin

Magnetic Personality:
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Rooms with a View:
Avera Prairie Center
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By Linda Mack

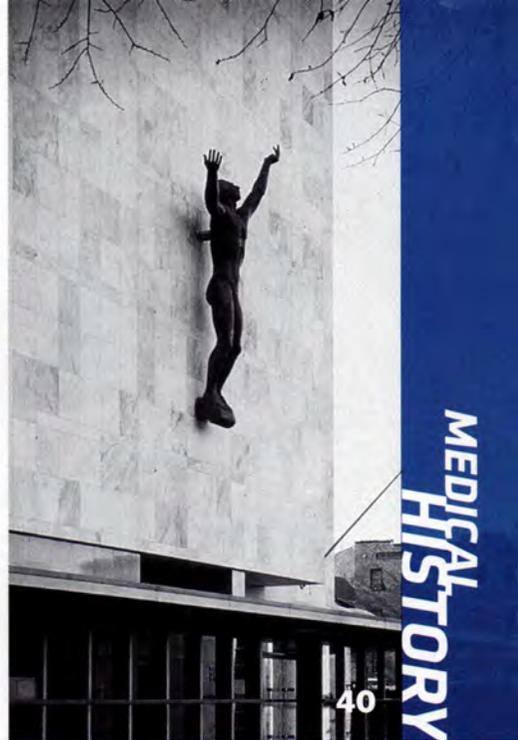
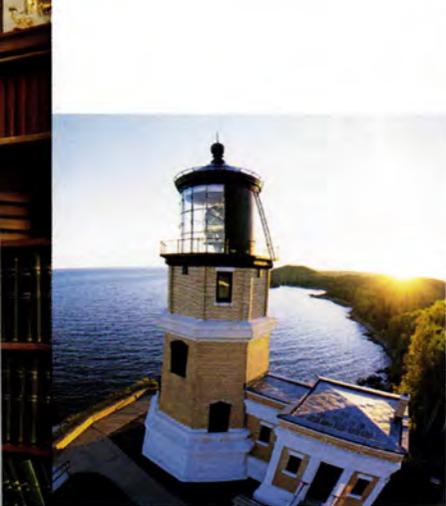
Everyone has a medical history, and Minnesota has one, too. It starts and ends with the Mayo Clinic in Rochester, an international leader in healthcare delivery for more than a century now. We take a look back at three signature Mayo buildings shaped by architecture firm Ellerbe Becket—the 1928 Plummer Building, the 1954 Mayo Diagnostic Building, and the 2002 Gonda Building, designed in concert with Cesar Pelli & Associates—and the patient-care innovations they introduced.



ON THE COVER

University of Minnesota Amplatz Children's Hospital, Minneapolis, Minnesota

"The new Amplatz Children's Hospital first caught my eye when its colorful skin began to materialize toward the end of construction," says IDE[A] photographer **Pete Sieger**. "Now finished, it stands as a kaleidoscope of color whose effects are most dramatic at sunrise or sunset—as shown here. It's a perfect architecture for its purpose."



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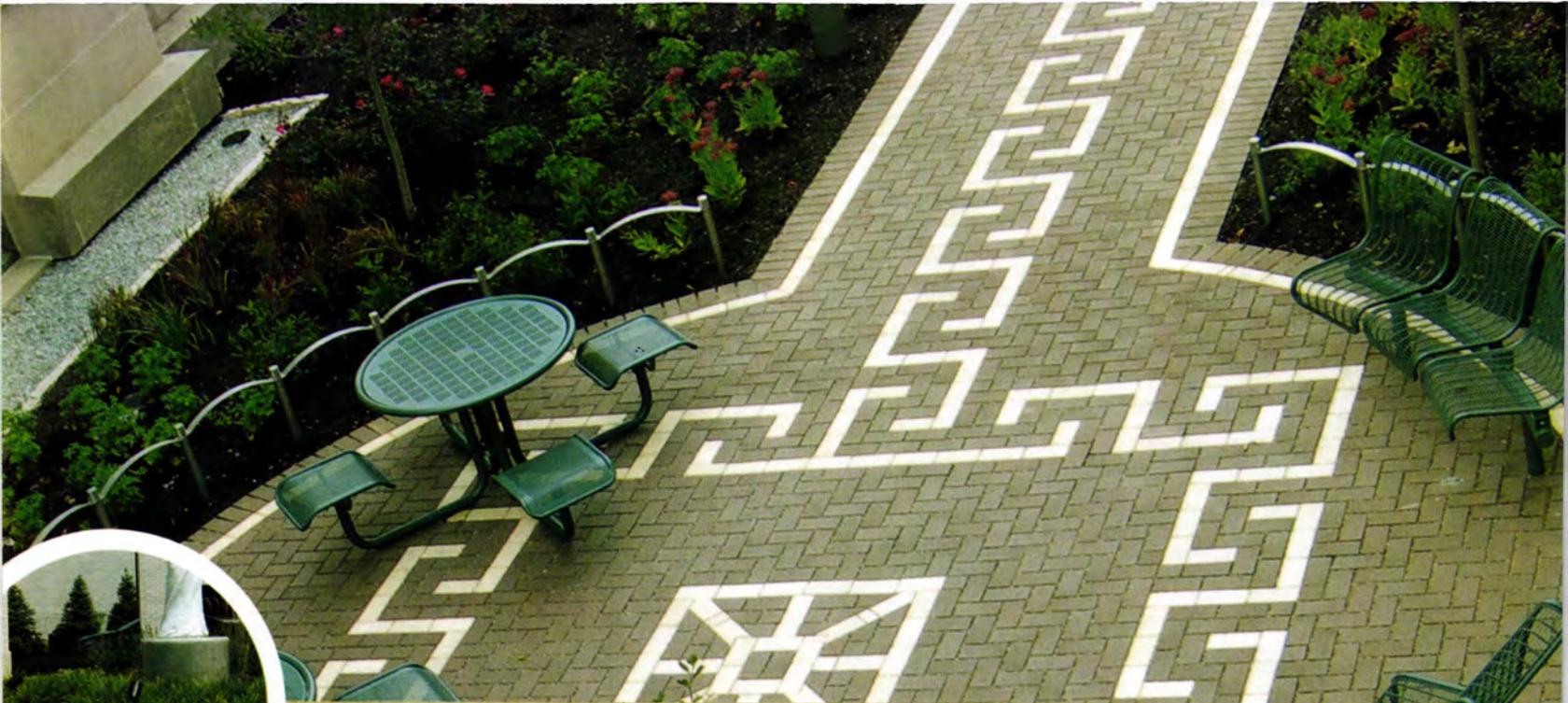
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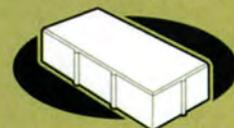
>> Above Project: Miami Conservancy District



creativity

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In Memoriam

Minnesota lost two towering architects this past summer—**Leonard Parker, FAIA**, at age 88, and **James Stageberg, FAIA**, at 85. We wanted to honor them in this end-of-year issue, so we invited a few of their colleagues to do just that. Revealingly, these longtime friends and collaborators all chose to remember the two men not for their design achievements (of which there were many) but for the immeasurable impact they had as educators and mentors. It's no exaggeration to say that Parker and Stageberg touched the lives and careers of a majority of the architects practicing in Minnesota today.

Of course, their influence extends beyond Minnesota. Architect William Pedersen, FAIA, of Kohn Pedersen Fox Associates in New York, has fond memories of working in Parker's office as a student in the early 1960s. "I started at \$1.25 an hour," Pedersen recalls. "Even in those days it was low pay, and my classmates talked about my working for pizzas. But Leonard was a real psychologist and the master of the incremental raise. Almost every month he would add another five cents to the rate, and each time he did I was thrilled. It meant Leonard approved. After graduation, Elizabeth and I were married, and when we returned from our honeymoon Leonard sat me down. 'Bill, you are taking on a major responsibility,' he said. 'I would like to give you two dollars an hour. How does that sound?' It sounded great!

"Working for Leonard was the best investment I ever made," Pedersen continues. "He was my mentor. I can't imagine what would have happened to me without his guidance during those critical formative years. I not only respected him as an architect; I loved him as a man."

As dean of the University of Minnesota College of Design, Thomas Fisher, Assoc. AIA, has firsthand knowledge of Parker's teaching legacy. "Leonard became almost an institution at the

University of Minnesota's School of Architecture," says Fisher. "He taught here for several decades and affected generations of students with his keen design sense, his devotion to architecture, and his blunt observations about their work. Leonard could strike terror in the hearts of students, but they learned a great deal from him, and the outpouring of grief among our alumni at his passing shows just how much he will be missed by all of those who studied under him. Leonard was himself a proud alumnus of our school and also one of the best."

HGA architect Steven Dwyer, AIA, worked for James Stageberg as an architecture student in the 1990s, and he remained close with his mentor thereafter. "The thing that always struck me about James was his indomitable spirit," says Dwyer. "He loved life, and he loved people. I was fortunate to meet several of James' last residential clients, the clients with whom he was able to have the most personal relationships. He lit up when he saw them, and they lit up when they saw him. James exuded a joyous optimism—it was evident in his colorful wardrobe and assortment of pins and even in the confident and casual way that he walked. I'm deeply grateful to have had James in my life."

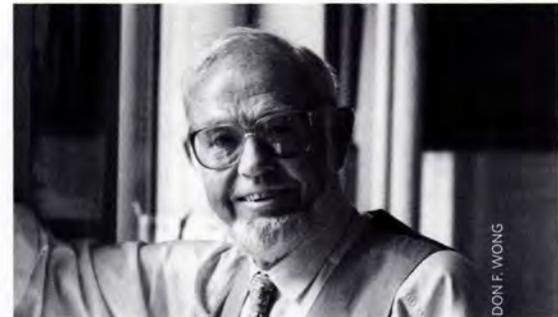
Stageberg's lasting friendship with Dwyer is echoed by his long professional partnership with

Architecture Minnesota pays tribute to two architectural giants who passed away this year.

EDITOR'S
NOTE



COURTESY OF THE PARKER FAMILY



DON F. WONG

Bill Beyer, FAIA. "In 1954, James was the first new hire Ralph Rapson made as the head of the University of Minnesota School of Architecture," notes Beyer. "He was eager to practice and teach architecture, and he never lost his joyful and contagious enthusiasm for both over the next half-century. I was energized by that spirit for the 34 years that I worked with him. He once gave me a Christmas card, a handcrafted drawing of a balance scale with clusters of overlapping, press-typed words on either end: *Hope* outweighing *Despair*. James always came down on the side of hope."

Christopher Hudson
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AIA Minnesota is the voice of the architecture profession, dedicated to serving its members, advancing their value, and improving the quality of the built environment.

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Get to know our writers and photographers. They're an interesting bunch.

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VIDEOTECT, the *Architecture Minnesota* video competition that drew 24 entries, more than 20,000 online plays, and a capacity-crowd screening event at the Walker Art Center earlier this year, is back, and with a number of enhancements: more prize money, more time to make the videos, and a high-energy topic. For all things Videotect 2, including guidelines, registration, and promotional videos that are sure to get your creative juices flowing, stay dialed in to architecturemn.com.

BRANDON STENDEL, ASSOC. AIA, FARMKIDSTUDIOS.COM



Minneapolis mayor R.T. Rybak (right) gave a stirring welcome at the screening event (top) at the Walker Art Center in March. Viewers' Choice winner James Tucker (above) fielded questions from audience members after the show.



Screen Capture clicks through all of the additional content at architecturemn.com.

SCREEN CAPTURE

VIDEOS

After you've read our print edition cover to cover, be sure to check out all the videos on architecturemn.com. Our high-quality clips bring the subjects of the articles—designed spaces and the people who create and inhabit them—to life.

▶ The story behind the kid-friendly **Amplatz Children's Hospital** (page 22) is a colorful one, so we sent Ryan Siemers, Assoc. AIA (www.ryansiemers.com), to capture both the building and its key players in a series of short videos.

▶ **Amplatz's** shimmering exterior alone begs to be filmed, so we also asked IDE[A] (www.imagingarchitecture.com) to film a time-lapse study of the dynamic façade. The results are breathtaking.

▶ IDE[A] also visited the Northeast Minneapolis studio of **RoehrSchmitt Architecture** (page 15), designers of the Whiting Clinic (page 38), for an in-depth interview with Michael Roehr, AIA, and Chris Schmitt, AIA. The two principals are a quick-witted pair, so the conversation never lagged.

BLOG HIGHLIGHTS

Architecture Minnesota editor Christopher Hudson and a variety of contributors highlight built-environment news and events around the state, preview upcoming magazine features, and keep you up-to-date on Videotect on the architecturemn.com blog.

In **Fair Fare** (August 22), contributor Heather Beal previewed one of the Eco Experience homes at the Minnesota State Fair: the Passive Solar Cabin, designed and built by students at North Dakota State University. The exhibit also featured two sustainable homes—one high-tech, the other low-tech—by Rehkamp Larson Architects.

Micro Film: The Third & The Seventh (August 1) kicked off *Architecture Minnesota's* informal short-film series (Micro Film) with a breathtaking video by Alex Roman. Look for a new Micro Film installment every several weeks.

Contributor Camille LeFevre reported on her trip to New York City, which included a few long walks on the bustling High Line in between visits to the Met and MoMA, in **Track and Field** (July 29).



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New Wave

The newly expanded **Weisman Art Museum** now has a little breathing room to display its permanent collection—and a gallery for new experimental and collaborative work. Like the building itself, the first exhibits offer something familiar and something new.

Got some free time and an interest in design? Culture Crawl rounds up the latest cultural offerings from around the state.

CULTURE
CRAWL

PETER VONDELINDE



RIK SFERA, COURTESY OF THE WEISMAN ART MUSEUM

Cartography of a Collection

Ongoing

The story of how the Weisman built its collection is an interesting one, and the reopening is the perfect time to tell it. *Cartography* charts the decades-long work of museum leaders, patrons, and donors—including noted philanthropist and art collector Frederick R. Weisman, whose considerable gifts to the museum led to its renaming in 1993, when the Gehry building opened—in gathering some of the museum's most popular pieces. Highlights include paintings by modernist Marsden Hartley.



An Immigrant's Tale: Korean Furniture Collection

Through March 24, 2013

Edward Reynolds Wright Jr., who wrote the book on traditional Korean furniture—and then wrote another with Man Sill Pai—gave the Weisman his spectacular collection of Choson dynasty furniture. Representing all regional styles, wood varieties, and joinery techniques, the collection also includes Korean folk art and stoneware from the Silla dynasty. Wright's bequest will enjoy a three-year installation funded by a grant from the Korea Foundation, affiliates of the Korean Ministry of Foreign Affairs.

Conversations About Ceramics

Through March 24, 2013

Minnesota master potter Warren MacKenzie and Weisman director Lyndel King explore the museum's wide-ranging ceramics collection, which includes Mimbres and Mingqi pottery, in this co-curated exhibit in one of the four new cube-shaped galleries. As both a donor and contributor to the collection, MacKenzie has played an influential role in its development, and he shares his thoughts through his selections.



Architect Frank Gehry's design for the expansion added new wrinkles inside and out. For more on the museum's new offerings, visit weisman.umn.edu

Sympathies

Through May 20, 2012

"Museums have been commissioning artists to create pieces in response to their collections," notes Weisman senior curator Diane Mullin. "I wondered if it could work to invite an artist to not only do a piece in response but to also take on presenting the collection itself." So she engaged New York artist Sharon Loudon to create an installation of 225,000 aluminum strips that captures her strong affinity—or sympathy—for Frank Gehry's architecture. Mullin also invited Duluth artist Eun-Kyung Suh to place her Bojagi textile creations in conversation with the museum's traditional Korean furniture collection.

—Sarah Bremer, Assoc. AIA

PHOTOS COURTESY OF THE WEISMAN ART MUSEUM



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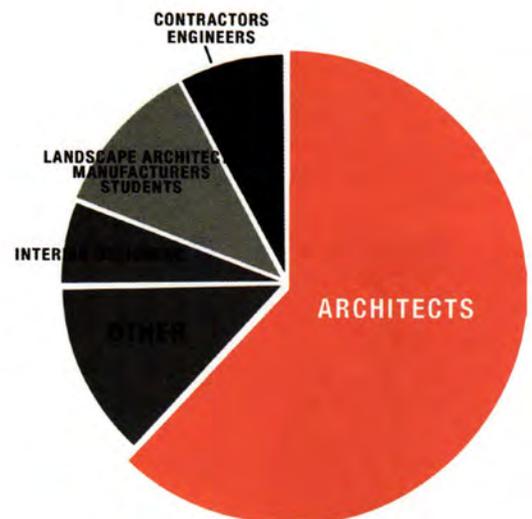
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A new book celebrates small architectural interventions that turn gaps or tears in urban fabric into city-defining jewels

Packing a **PUNCH**

On the scale of design endeavors, city planning and urban design constitute humanity's biggest undertakings. Gilded Age architect and urban visionary Daniel Burnham was quoted as saying, "Make no little plans. They have no magic to stir men's blood." American cities need big ideas and broad gestures if they are to function as harmonious totalities. Consider Manhattan's grid, the diagonal boulevards and circles of our nation's capital, and Minneapolis' endless parkways and trails.

And yet we don't experience a city at that scale; rather, we measure our appreciation one footstep at a time. Small things and small spaces—from a taco cart to a pocket park—are what impact our daily lives and allow us to distinguish one city from another. Offering a tribute to the diminutive glories of the modern urban landscape is Princeton Architectural Press' *Small Scale: Creative Solutions for Better City Living*, authored by Keith Moskow and Robert Linn.

Stuffed with 50 intellectually juicy projects presented in two- and four-page morsels, *Small Scale* provides a breezy and graphically punchy overview of the art of urban intervention. Ranging from highly publicized projects such as the stepped, red TKTS booth (A) in New York's Times Square to temporary installations and unbuilt projects, the interventions all capitalize on some overlooked or integral piece of the urban fabric. Or, as Moskow and Linn explain in their introduction, these projects "address the increasing density and limited availability of land in cities by identifying and using leftover urban spaces or voids or unrecognized tears in the city fabric."

Standout examples include a summertime installation in the courtyard of Los Angeles-based Materials and Applications, which flares upward and outward from the center in a tornadic swirl



In Speed Reading, we keep the reviews short and sweet. More time for you to check the books out for yourself.

SPEED READING

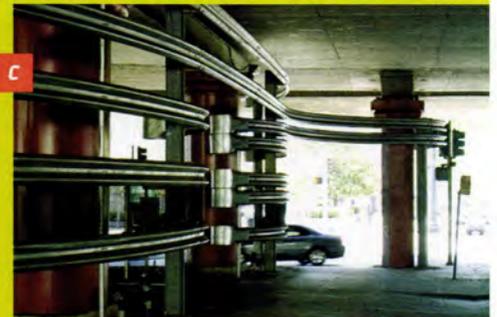
SMALL SCALE: CREATIVE SOLUTIONS FOR BETTER CITY LIVING

By Keith Moskow and Robert Linn
Princeton Architectural Press, 2010

of luminous golden scales (B). A gateway project in Oakland, California, turns galvanized freeway barriers into a sinuous woven fence that frames a pedestrian walkway below the Interstate 880 overpass (C). And in an ingenious act of solar graffiti, the Greeting Wall (D) by upstart architects Bunch Design uses strategically placed cutout letters to cast one of two cheery messages—"good morning" or "good afternoon"—in shadow on neighboring buildings.

Clever, quirky, and contextual, the projects cataloged in *Small Scale* remind us that even modest urban design can transform disregarded spaces into unforgettable city scenes.

—Phillip Glenn Koski, AIA



ALL PHOTOS COURTESY OF SMALL SCALE: CREATIVE SOLUTIONS FOR BETTER CITY LIVING (PRINCETON ARCHITECTURAL PRESS, 2010)

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Describe your studio space in three words or less. Spare, informal, a little funky

If you had \$500,000 for office improvements, what would you do? We'd put the entire office in an RV, head off to see the world, and leave a trail of cool buildings in our wake.

How does your location reflect or reinforce your values or interests as a firm? We like being in a working-class part of the city, in a utilitarian building that we don't need to fuss over. Northeast is where you can still see the sausage of Minneapolis being made, like it or not.

Favorite restaurant in walking distance: Ideal Diner or Uncle Franky's

Employee with the most interesting extracurricular: Our intern Jaclyn is a Minnesota RollerGirl.

What activities or events do you host in your space? We're putting together a series of topical happy-hour gatherings called "Beer & Cookies." Stay tuned! We've got some great walls and are looking for artists to exhibit here.

Favorite Beatle: Keith

Favorite social-media tool: Happy hour

Least favorite buzzword or phrase: "Out of the box." We believe there's still a wealth of untapped potential there in the box.

What's the greenest feature of your space? A couple big green walls—and the fact that we're in a 100-year-old building

Casual Friday? Our only theme day is Inappropriate Wednesday, when talk flows a bit more freely. It gets us over the midweek hump.

The biggest misconception about architects: That they walk around with dream buildings in their heads, and that they have a preconception of what your project looks like

Workspaces say a lot about us. Join us on a tour of architecture offices around the state, and you'll see architects in a whole new light.

STUDIO

How is your firm changing? Our ambition is to grow without getting big. We believe the firm of the future is compact and nimble, able to pivot on a dime to adapt to the marketplace and exploit new opportunities.

▶ VIDEO FEATURE:
Tour the studio with Michael Roehr, AIA, and Chris Schmitt, AIA, at architecturemn.com

Chris Schmitt, AIA, and Michael Roehr, AIA, do a wide variety of project types, collaborate with other architecture firms and developers, and even develop some projects on their own—all from a simple industrial-flavored studio in Northeast Minneapolis

PETE SIEGER



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BRANDON STENEGEL, ASSOC. AIA, FARMKIDS STUDIOS.COM

Under Hallberg's stewardship, the empty space adjacent to the clinic, into which the clinic may someday expand, has been used for a variety of arts-related events and rehearsals.



ERIC MELZER

TOWN
TALK

In Town Talk, we let community leaders and other insightful people do the talking.

At last year's Design Intersections symposium at the University of Minnesota, "Vital Signs: Design Thinking for Healthcare Innovation," Hallberg shared a happy observation: "As a primary-care physician, I'm astonished by the democratizing effect of good design in our clinic. Our patients, regardless of background, feel welcome, cared for, and healthier in our space, by our space." *Architecture Minnesota* sat down with Hallberg in a large unfinished space at the rear of the clinic to talk about the healing power of art and design, the clinic's community involvement, and just what goes on in that empty room.

arts, M.D.

Three years after opening Minneapolis' most art- and light-filled medical clinic, Jon Hallberg, M.D., talks about the health benefits of quality design—and of having artists, actors, and musicians streaming through his doors

INTERVIEW BY CAMILLE LEFEVRE

Minneapolis' Mill City Clinic, located on the first floor of Zenith Condominiums across from Gold Medal Park, is undoubtedly the most artful medical clinic in Minnesota. Designed by Perkins+Will (ESG Architects designed the building) and completed in 2008, the University of Minnesota Physicians facility sits comfortably in its cultural hotspot near the Guthrie Theater, MacPhail Center for Music, and other Mill District amenities. It's framed in concrete, glass, and steel, with tidy modern exam rooms, and its lobby's Nina Bliese Gallery artwork, electric piano, and sophisticated furnishings signal an aim to heal not only through medicine but also through art and design.

Jon Hallberg, M.D., is the clinic's medical director and a serious art and design enthusiast. He's also an assistant professor in the University of Minnesota Medical School's department of Family Medicine and Community Health; the founder and director of Hippocrates Cafe, a program in which actors and musicians delve into healthcare topics through storytelling; an on-call physician for a handful of performing-arts organizations including the Guthrie; and a medical analyst for Minnesota Public Radio.

Where did the inspiration come from to incorporate a strong design sensibility into this clinic?

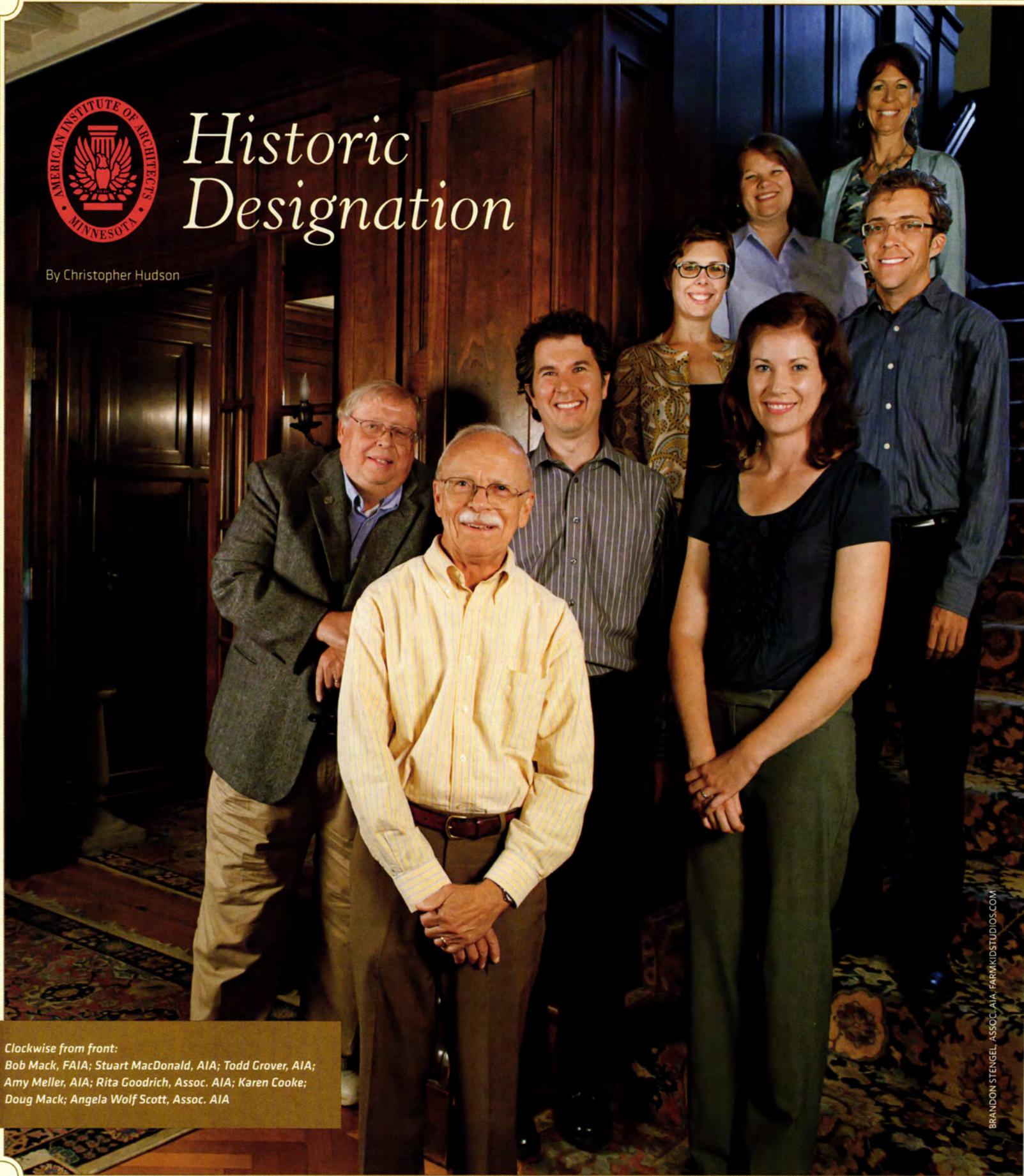
When the conversation began about this clinic, I knew right away it would be a fun process, because Perkins+Will was doing the interior design. I wasn't at the first meeting, but I heard that John Spohn and Jennifer Somers conducted a visual exercise, where our team responded to pictures of hotel lobbies, jewelry stores, things with a downtown urban vibe from London, Seattle, Los Angeles, and New York, to capture a sense of what people liked. John also knew right away that the orientation needed to be toward Gold Medal Park, this incredible pocket park. I had also tossed out ideas about having an actual gallery with local art—not stock art—in the clinic. I've always had a deep-seated passion for the intersections of arts and medicine, which I brought to the table. John and Jennifer sensed that, and the result was a perfect melding of their vision and expertise and my passion.

>> *continued on page 49*



Historic Designation

By Christopher Hudson



Clockwise from front:
Bob Mack, FAIA; Stuart MacDonald, AIA; Todd Grover, AIA;
Amy Meller, AIA; Rita Goodrich, Assoc. AIA; Karen Cooke;
Doug Mack; Angela Wolf Scott, Assoc. AIA

BRANDON STENDEL, ASSOC. AIA, FARMKIDSTUDIOS.COM

The American Institute of Architects Minnesota awards its highest honor—the Firm of the Year—to the preservation-focused MacDonald & Mack Architects

The recipient of AIA Minnesota's top award in 2011 is a small firm you might not have heard of. But you probably know many of the renovation and restoration projects it's responsible for. How about Split Rock Lighthouse on the North Shore of Lake Superior? Have you walked through the Minneapolis City Hall rotunda or visited the Purcell-Cutts House, the Prairie School gem owned by the Minneapolis Institute of Arts? St. Paul's Alexander Ramsey House? And these notable projects merely scratch the surface of MacDonald & Mack Architects' extensive body of work.

The eight-person studio is "the gold standard for preservation architecture in the state of Minnesota and the region," says AIA Minneapolis president and past Minneapolis Heritage Preservation Commission chair Phillip Glenn Koski, AIA. The high praise is well deserved. Whether serving as the project lead or in partnership with other design firms and engineers, MacDonald & Mack has helped restore dozens of landmarks and return hundreds of other aging buildings to usefulness. One of the firm's most recent projects—the refurbishment of the historic Minneapolis Grain Exchange trading floor as a coworking environment—was highlighted in our last issue.

"There's a broad range of how you can look at an existing building," says principal Bob Mack, FAIA. "With designated historic buildings in particular, you can ask, 'How far can I push the renovation and still have the building be considered historic?' Or you can ask, 'How little can I change it and still meet the needs of the client?' We tend to think along the lines of the second question. Buildings are going to change with time, and we don't want to do something today that somebody else undoes 10 years from now. Our less-is-more approach also gets the building back into service more quickly, so the client can benefit from the faster turnaround, beating the competition to the market."



Municipal Building (City Hall) Rotunda

JERRY MATHIASON

MacDonald & Mack's deferential regard for aging buildings carries through to the firm's office culture, which places a premium on work/life balance and employee engagement in the larger architecture and preservation communities. Mack is especially proud to note that, over the course of the firm's 35 years, only one employee has left for what he felt would be greener pastures. "We have a really close-knit group of employees who have pretty similar ideas about where they'd like to see the firm go. And we're very family-friendly in the office. Stuart [MacDonald] and I, when our kids were little, never missed a concert or a soccer game. It's been that way for everyone in the firm; our balance and informality sort of make us who we are."

The studio may be small and its founders modest, but the firm's influence is far-reaching, says AIA Minnesota president Steve Fiskum, AIA. "In the early days of the modern preservation movement, Stuart and Bob developed methodologies and techniques that have become the standard of the architectural profession," notes Fiskum. "As they willingly shared their knowledge with colleagues through teaching and writing, they raised the bar for all of us. The primary beneficiaries, of course, are clients whose businesses have been successfully transformed and vibrant communities where history has been preserved for future generations." It's hard to imagine a better testimonial—or a firm more worthy of the honor. **AMN**



Redeemer Missionary Baptist Church

JERRY MATHIASON



Alexander Ramsey House

MACDONALD & MACK ARCHITECTS



Split Rock Lighthouse

COURTESY OF MINNESOTA HISTORICAL SOCIETY
PHOTO BY JOE MICHL

"In our 35 years as a firm, we're now up to new building number nine," says founding principal Bob Mack, FAIA. "All of the other projects have been existing buildings that needed some tender loving care."

Improving patient recovery with pipe, wire, cable, metal, and other grey matter.



We'll be the first to admit it. Mechanical, electrical, and systems construction isn't exactly rocket science. Or brain surgery.

Still when it comes to health care buildings, proper and effective mechanical, electrical, and systems operations are critical to their efficiency, comfort, and performance. Which is why for the past 30 years, Egan has been involved in some of the biggest hospital, medical office, and clinic construction projects undertaken in Minnesota.

Take North Memorial Medical Center, Abbott Northwestern, or Fairview Southdale Hospital. Egan has been instrumental in the construction of all of these eminent facilities. And this is only part of the story.

Park Nicollet Clinic, University of Minnesota Medical Center - Fairview, the Hudson Health Campus, Park Nicollet Methodist Hospital, Regions Hospital... they've all relied on Egan at one time or other.

If you have a health care construction, renovation, or service project requiring best-in-class performance, make the call to Egan. We'll respond with the kind of experience, commitment, thinking, and attention to detail you'll want. In a heartbeat.

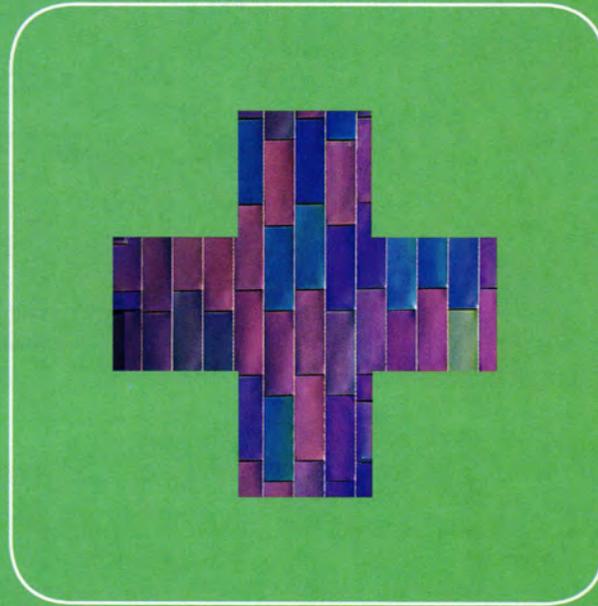
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Medical Advances



It turns out that breakthroughs in medicine take place in the realm of architecture, too. For proof, look no further than the following pages, where an improbably colorful children's hospital brightens the care experience for toddlers and teens (page 22), a large cancer center soothes its patients with ever-present connections to prairie landscape (34), and a university building accommodates state-of-the-art magnetic-resonance technology (26). And lest anyone think healthcare innovation is exclusive to large-scale buildings, we profile two smaller projects—an urban neighborhood clinic (30) and a suburban eye-care facility (38)—that shatter design expectations for their building types. Together, these five projects reflect two promising developments in the world of medicine: Design is increasingly a top priority for healthcare providers and researchers, and architects are seizing the opportunity. —CHRISTOPHER HUDSON



Color Therapy

A shimmering new children's hospital reflects the wishes of those who spend time there

BY AMY GOETZMAN

NICK MERRICK/HEDRICH BLESSING

SOMETIMES IT TAKES A VILLAGE TO RAISE A BUILDING.

The University of Minnesota's new Amplatz Children's Hospital in Minneapolis materialized through the vision of not one but two architecture firms, plus dozens of hospital employees and even patients and their parents. And asking those kids for input wasn't just a token gesture. Kids selected many of the colors and most of the art in the building, and they let designers know what amenities would make an inpatient stay better. And the designers listened.

"We started out with a very specific vision for the project: To create the ideal environment to receive or provide healthcare for children," says Russ Williams, vice president of professional services with Amplatz. "We wanted it to be perfect for patients and families, and staff as well. Through an unbelievable process of user groups and focus groups, we collected ideas from staff from all areas, a parents advisory board, and a kids' council."

The result is a building that appeals to kids of all ages, raises the spirits and energy of the staff, and piques the curiosity of passersby. Cambridge, Massachusetts-based Tsoi/Kobus & Associates (TK&A) teamed with local firm HGA Architects and Engineers on the project. TK&A designed the patient tower, whose inspiring façade announces that great things are taking place inside. HGA focused on the expansion of the operating rooms and emergency and radiology areas.

"The client wanted to create a landmark building," says HGA principal Dennis Vonasek, AIA. "Many people didn't know that the university has a children's hospital, so the client was less interested in something that blended in with the neighborhood or the existing

At any time of day, Amplatz presents a playful, optimistic face. But the changing light and seasons interact with the colored steel panels to add unexpected beauty.



PAUL CROSBY



STEVE HENKE, HENKE STUDIO

It's no surprise that the building's decor is kid-centric: A panel of young patients was invited to share ideas and opinions with the planning team. Their input shaped the patient experience throughout the hospital.

campus. This building was their opportunity to express themselves and draw attention to the fact that leading-edge medicine is happening here."

The exterior gets its brilliance from treated stainless-steel panels that start with turquoise and magenta base colors, then grab modulating tones from the earth and sky. Together with wide expanses of glass, the dynamic panels allow the building to capture the changing light by season and by hour in a decidedly youthful way.

That sense of liveliness and innovation carries through to the interior. The building serves children and young people up to age 21, so the designers were challenged to create an aesthetic that would engage toddlers as well as teens. "Many children's healthcare institutions go with a Disney theme or cute characters. But that alienates older kids and teens. We wanted something that was friendly and positive, and visually interesting to a wide range of ages," says Vonasek.

They found broad appeal in nature. The third-floor surgery waiting area conjures a savannah complete with African animals. The top floor has a rainforest theme, and a tree frog icon appears on signage. Another floor pays homage to the lakes of Minnesota. Throughout the building, shells, seaweeds, foliage, and flowers appear in the textiles, flooring, and walls to suggest a global array of ecosystems. Special attention is paid to the ceilings, which become a focal point for people on gurneys. A fiber-optic river spills across one ceiling above an MRI machine, a bit of high-tech dazzle designed to distract anxious patients.

>> continued on page 51

The intent was never to blend the building in with the campus or the neighborhood. Amplatz is home to many medical breakthroughs and "firsts," so it's designed to stand as a separate entity and beacon destination.



Clever distractions like this fiber-optic river on the ceiling of an imaging room intrigue curious young patients. The decor never talks down to the mixed ages that are served here.

"The client wanted to create a landmark building. This was their opportunity to express themselves and draw attention to the fact that leading-edge medicine is happening here."

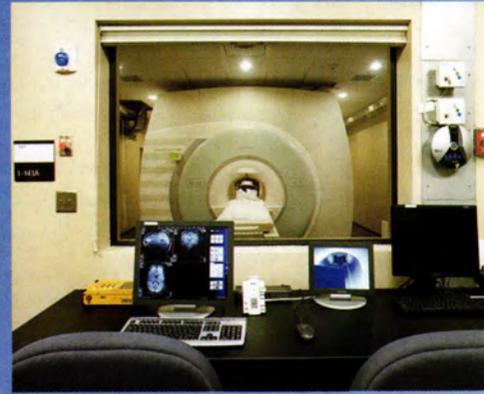
—HGA ARCHITECT DENNIS VONASEK, AIA

▶ VIDEO FEATURE:
View Amplatz Children's Hospital
in motion at architecturemn.com

MAGNETIC PERSONALITY

THE NEWEST ADDITION TO THE UNIVERSITY OF MINNESOTA'S BIOMEDICAL DISCOVERY DISTRICT IS DESIGNED TO HOUSE AND ADVANCE LEADING-EDGE MAGNETIC RESONANCE TECHNOLOGY

BY JANE KING HESSION



UNIVERSITY OF MINNESOTA CENTER FOR
MAGNETIC RESONANCE RESEARCH

The glass-walled public areas of the University of Minnesota's newly expanded Center for Magnetic Resonance Research (CMRR), designed by RSP Architects, offer impressive panoramas of the East Bank campus, including TCF Bank Stadium. But deep within CMRR's enclosed research spaces, the magnet-generated, high-resolution views of human brain activity and body systems are nothing short of astonishing.

CMRR, an interdepartmental, interdisciplinary research facility established in 1991, currently houses eight state-of-the-art high-field magnets that are capable of producing detailed, non-invasive studies known as magnetic resonance images (MRIs) of living subjects, primarily for research purposes. MRIs have the potential to map the human brain and advance the study of myriad medical conditions, from diabetes to cancer, from psychiatric disorders to obesity.

As sophisticated as the technology has become, some argue that the field is still in its infancy. "The exquisite anatomical information provided by MRI has only been a prelude, as the boundaries of this imaging have been relentlessly expanded," says CMRR director Kamil Ugurbil, Ph.D.

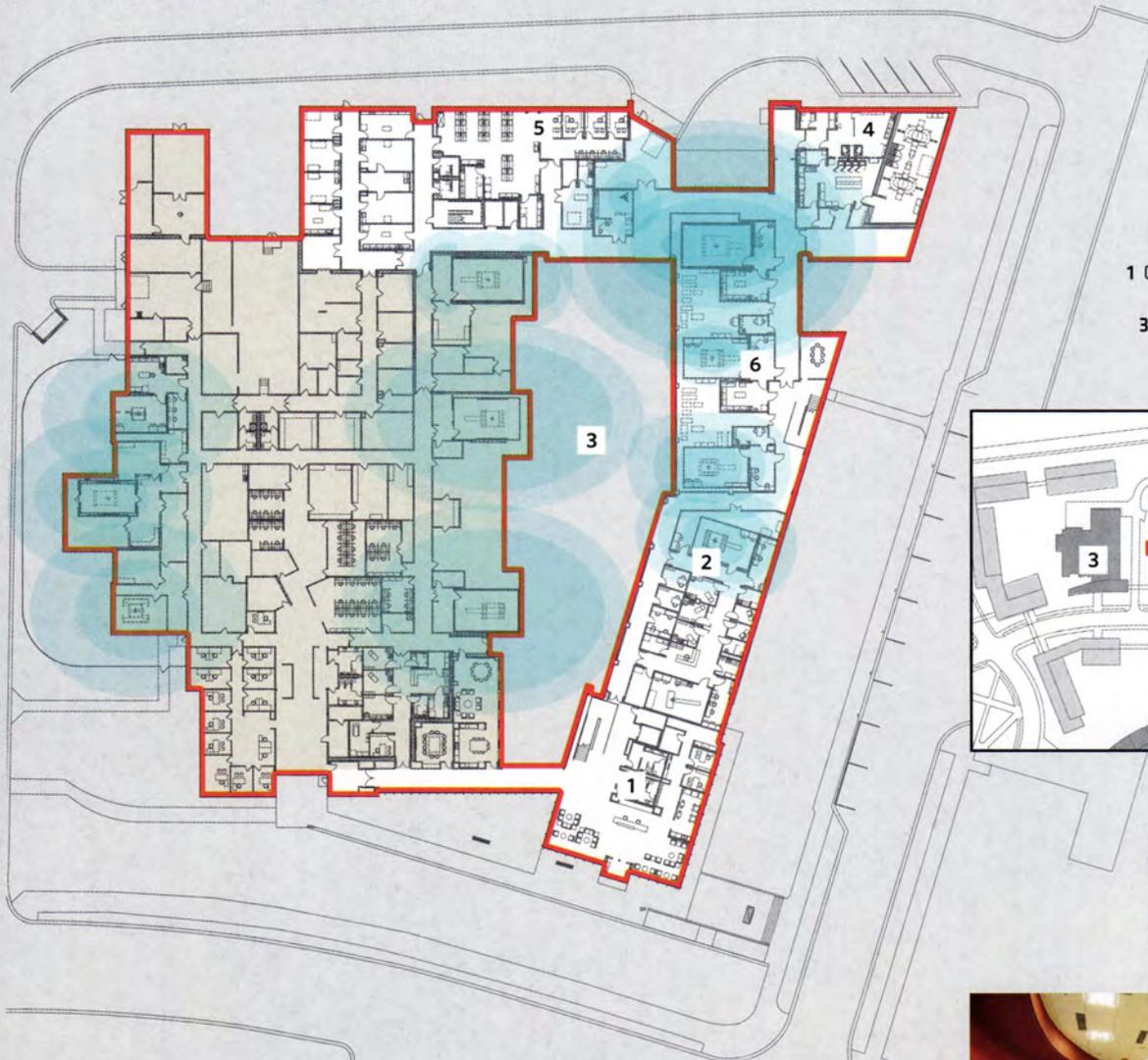
Because of the exponential advancement of magnetic resonance technology and the development of increasingly powerful magnets, CMRR outgrew the RSP-designed building it had inhabited since 1999. During that same time, CMRR's services had become invaluable to many university departments and disciplines, including neurosurgery, cardiology, tumor biology, and stem-cell research. More space was needed for additional magnet rooms, new clinical suites, and support services, as well as to enhance interface for university-wide access to CMRR technologies.

| | |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Location: Minneapolis, Minnesota | Construction manager: Mortenson Construction |
| Client: University of Minnesota | Size: 102,400 square feet (41,000 renovation, 61,400 expansion) |
| Architect: RSP Architects www.rsparch.com | Cost: \$27.6 million |
| Principal-in-charge: David Norback, AIA | Completion date: December 2010 (substantial completion) |
| Project lead designer: Ted Davis, AIA | Photographer: Philip Prowse |
| Energy modeling: The Weldt Group www.twgr.com | |

Rhythmic glazing on CMRR's façade recalls sliced MRI images. A skyway connects the center to the neighboring Wallin Medical Biosciences Building. Inset photo: One of several state-of-the-art magnet suites at CMRR.

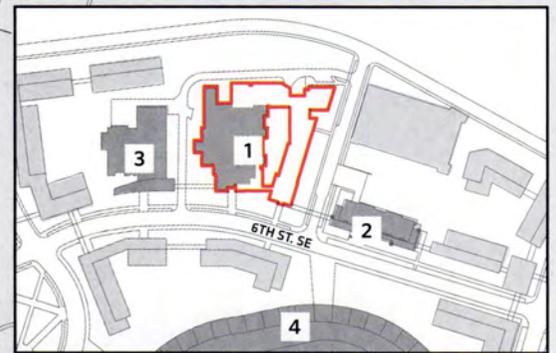
CENTER FOR MAGNETIC RESONANCE RESEARCH

- 1 Lobby 3 Service courtyard 5 Research labs
- 2 Clinical imaging 4 Cyclotron 6 Magnet imaging research
- Existing/Renovated CMRR Magnetic fields



BIOMEDICAL DISCOVERY DISTRICT

- 1 Center for Magnetic Resonance Research
- 2 Wallin Medical Biosciences Building
- 3 McGuire Translational Research Facility
- 4 TCF Bank Stadium
- Future buildings



*Below: A curved red Venetian plaster wall defines the second-floor seminar room.
Bottom: One of the first 4-Tesla human magnets, placed in the courtyard as a sculptural piece, can be glimpsed through the layered glass walls of a main corridor.*



THE DESIGN EXPRESSES CMRR'S INTERNATIONAL STATURE AS A RESEARCH CENTER BUT ALSO EVOKES THE BUILDING'S COLLEGIAL AND PHYSICAL RELATIONSHIP TO NEIGHBORING FACILITIES IN THE U'S BIOMEDICAL DISCOVERY DISTRICT.

In its design for the 102,400-square-foot expansion and renovation, which opened last fall, the RSP team sought to express CMRR's international stature as a research center but also evoke the building's collegial and physical relationship to neighboring facilities in the U's Biomedical Discovery District. "The brick, precast concrete, and curtain wall vocabulary of the exterior of the building is a cohesive district standard," says RSP senior associate Judd Brasch, AIA.

The physics of CMRR's core services—high-field magnets—presented restrictive site and design challenges for the RSP team. The asymmetrical geometry of the building's two-wing plan was generated by the varying sizes and strengths of the magnets, measured in Tesla units, and their respective magnetic fields. "By responding to the performance criteria of the magnets, the building design was able to provide an infusion of natural light in research support spaces that are often windowless," explains project lead designer Ted Davis, AIA.

For optimal performance, CMRR's magnets, some of the most powerful in the world, had to be properly shielded from outside interference, and magnetic fields couldn't overlap. Furthermore, people, computers, and other electronic equipment needed protection from strong magnetic forces. The fact that only nonferrous materials—those not subject to magnetic attraction, such as concrete, wood, fiberglass, and aluminum—could be used in the magnet suites' structural, mechanical, and electrical systems and finish materials presented another challenge. "Our goal was to provide a safe and ideal working environment for researchers, one in which pens, clips, and other ferrous objects would not become airborne projectiles," says Brasch.

"The sense of progression as you move through the building, including the connection between inside and outside, relates to the sequencing of slices of MRI imagery used in research," says Davis. Indeed, those entering the building move from the light-filled glass-walled lobby, whose openness

>> continued on page 51



Above: Bright colors enliven long halls and mark active doorways. Below: A neutral palette and abundant natural light create a tranquil, welcoming atmosphere in the lobby.



The lively two-story clinic embraces the architectural diversity and pedestrian vibrancy of its Nicollet Avenue/"Eat Street" location.

CITY HEALTH

Whittier Clinic in south Minneapolis marks a new generation of family medicine

BY FRANK EDGERTON MARTIN

Hez Obermark, practice manager at Hennepin County Medical Center's new Whittier Clinic, recalls being advised as a college student: "To really make a difference in healthcare, you have to understand how it's financed." Obermark went on to study healthcare administration, and she now oversees a new model for community-based family medicine. What's so remarkable about HCMC's new satellite clinic in south Minneapolis is that it contradicts much of the conventional thinking about how and where to invest in quality healthcare architecture.



The warm brick cladding the two wings of the clinic echoes the older masonry buildings in the neighborhood. The signature metal-panel box reaches out to the street.

PAUL CROSBY

"Family practice and neighborhood clinics are seen as a kind of necessary loss leader," Obermark explains. "It's rare to invest in permanent facilities, and even rarer to do so in a city neighborhood." Set along Nicollet Avenue at 28th Street, the colorful Whittier facility, designed by HGA Architects and Engineers, reflects the eclectic mix of culture, restaurants, and building materials on Eat Street, as this segment of Nicollet is known. The 60,000-square-foot, two-story clinic, which formerly rented space on Lake Street, boasts five clinic modules offering services in urgent care, physical rehabilitation/sports medicine, and family medicine. It's also home to a residency program where seasoned physicians mentor the next generation of practitioners in family medicine.

BRINGING PEOPLE TOGETHER

In healthcare design, much of the art of “lean” thinking (see sidebar on page 33) focuses on how to bring patients and care providers together while allowing efficiency and privacy for all. In each of Whittier’s clinic modules and throughout its public spaces, line of sight is a key design objective. The idea is that “if you can see me, you can find me,” says Obermark. Whereas typical clinic designs often sequester doctors in window offices away from the care teams and exam rooms, Whittier’s modules bring everyone together.

Physicians, nurses, medical assistants, and other staff sit together in an open office area surrounded by the exam rooms. Illuminated by broad clerestory skylights, these high-ceilinged spaces bridge the “front stage” areas where patients arrive and “backstage” areas where staff can access clinical supplies, hold meetings,

>> continued on page 53



STEVE HENKE/HENKE STUDIOS

For maximum efficiency, each clinic module brings all of that unit's staff together in a cluster. Here, a large clerestory provides daylight.

Facing south and adorned with colorful glass partitions that double as wayfinding aids, the lobby is a welcoming setting in all seasons.



DANA WHELOCK PHOTOGRAPHY

WHITTIER CLINIC

Location:
Minneapolis, Minnesota

Client:
Hennepin County
Medical Center

Architect:
HGA Architects and
Engineers
www.hga.com

Principal-in-charge:
Gary Nyberg, AIA

Project lead designer:
Amy Douma, Assoc. AIA

Energy modeling:
The Weidt Group
twgi.com

Landscape architect:
HGA Architects
and Engineers

General contractor:
McGough Construction

Size:
60,000 gross square feet

Cost:
\$16.5 million

Completion date:
November 2010



PAUL CROSBY

On this former brownfield site, HGA designed small pocket parks (above) and a small lawn (below) where the building might someday expand along Nicollet.



PAUL CROSBY

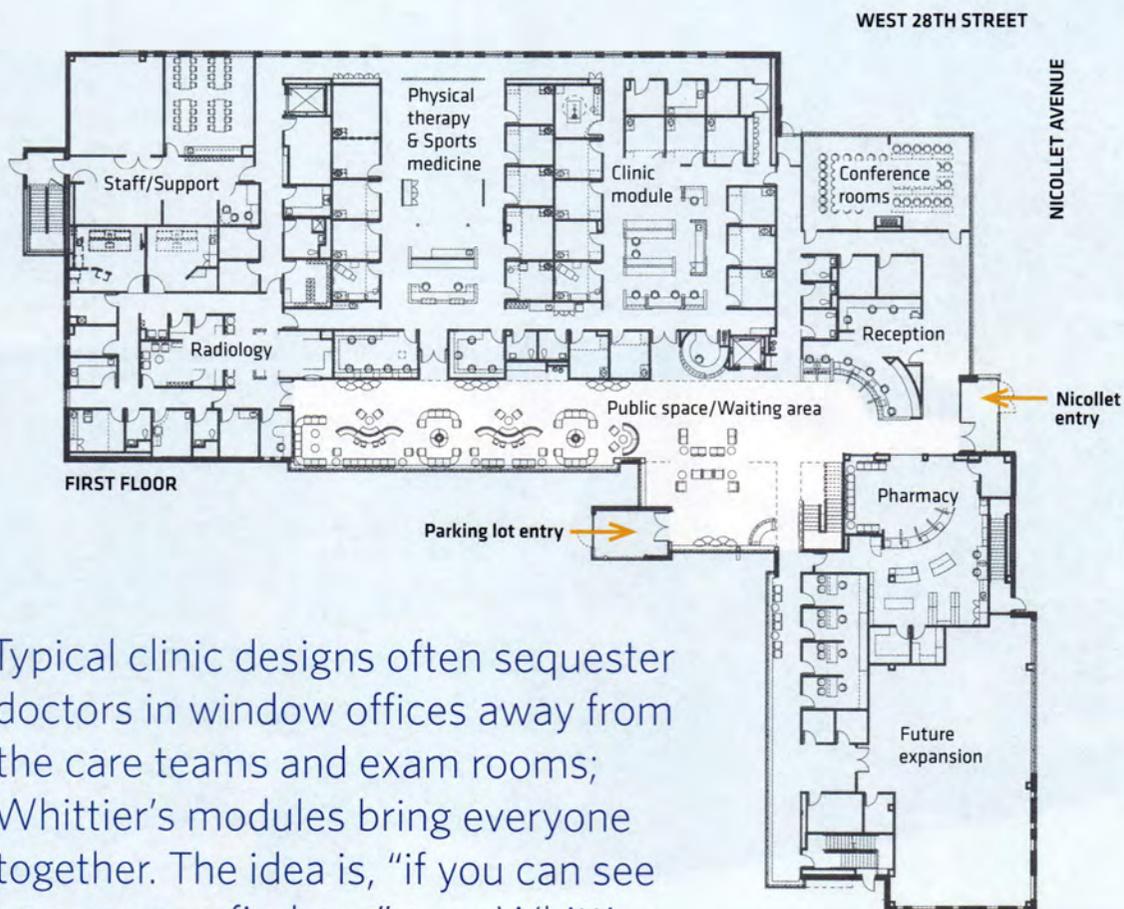


DANA WHELOCK PHOTOGRAPHY

Whittier is a neighborhood clinic, and the architects reinforced that by creating generous views of the surrounding residential environment.

Getting Lean

Lean design, a way of thinking that grew out of Toyota's manufacturing breakthroughs in the 1960s, is transforming healthcare architecture, says Brent Peterson, the leader of HGA's work-process-improvement group. "Using 'lean' principles, architects can design a modern healthcare environment that minimizes wasted time and operational costs while improving patient care by reducing mistakes and wait times," Peterson explains. Effective lean design requires extensive observation of how an individual clinic, hospital, or laboratory facility operates. "The key," says Peterson, "is to understand the process flows, analyze opportunities for improvement, and develop a clear vision for the desired work processes—all prior to design."

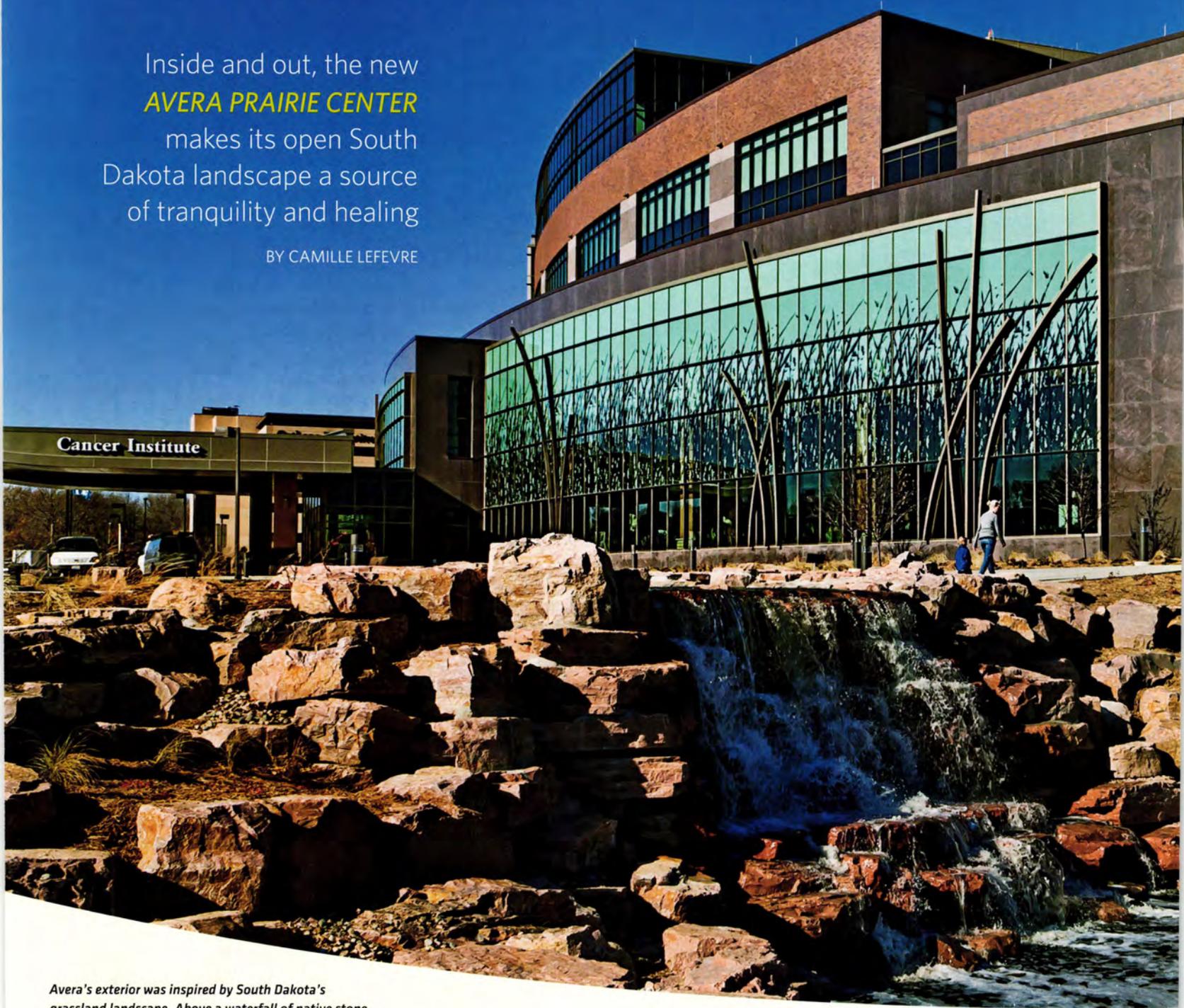


Typical clinic designs often sequester doctors in window offices away from the care teams and exam rooms; Whittier's modules bring everyone together. The idea is, "if you can see me, you can find me," says Whittier practice manager Hez Obermark.

ROOMS WITH A VIEW

Inside and out, the new
AVERA PRAIRIE CENTER
makes its open South
Dakota landscape a source
of tranquility and healing

BY CAMILLE LEFEVRE



Avera's exterior was inspired by South Dakota's grassland landscape. Above a waterfall of native stone, sculptural "reeds" decorate a sweeping curtain wall silk-screened with a prairie-grass pattern.

The chemotherapy-infusion rooms can be private or open to allow patients to visit with each other. Grassland patterns in windows provide a connection with nature, as do treatment-room balconies that overlook indoor gardens.



The population of South Dakota is increasingly concentrated in the state's urban areas. Nonetheless, the state's heritage is proudly rural, and its residents hold a deep affection for their prairies, waterways, and windswept vistas.

So when St. Paul-based BWBR began conducting focus groups and planning workshops to learn what cancer survivors and their families, as well as staff, physicians, and administrators, wanted in the new Avera Prairie Center, a connection with nature came ringing through.

In response, BWBR's 260,000-square-foot, five-story cancer and day-surgery center features design elements that evoke the South Dakota landscape. A prairie-grass pattern was silk-screened onto a sweeping glass curtain wall that, in its grandeur, echoes the expansive South Dakota horizon. Tall aluminum "grass reeds"

grace the curtain wall as well. Stone gathered from the base of the Crazy Horse monument in the Black Hills was used in an indoor waterfall and an outdoor labyrinth (Avera is only the second off-site location to receive such an honor). Granite quarried from nearby Millbank was incorporated into the exterior.

The building's entry atrium is divided into East River and West River areas featuring indoor gardens with native plantings and water features with waterfalls. Cherry and maple beams and columns lend heft to the atrium, while 30-foot-long wood pieces designed to resemble blades of prairie grass bring the grassland theme indoors. The atrium and commons area also incorporate limestone and granite walls, where words such as *hope*, *love*, *dignity*, and *peace* are engraved into the stone at random locations.

"We tried to remove some of the less appealing elements of cancer care in our design and create an inspiring place of discovery and hope," says BWBR principal Brian Buchholz, AIA. "We



"We had a lot of interaction with the Avera team to determine what the soul of the building would be. The essence of the project became, 'Life's transformation through grace and technology.'"

—BWBR ARCHITECT BRIAN BUCHHOLZ, AIA

Interiors were designed to warm up the treatment experience. Native stone and woods (above), along with local artwork, humanize the corridors and diagnostic areas. The outdoor labyrinth (below) was built with stone from the base of the Crazy Horse monument in the Black Hills.



FIRST FLOOR

Avera administrators didn't anticipate how popular the curving atrium would be for community events.



Patients and visitors passing through the atrium and indoor gardens enjoy sun, the warmth of native stone, and lush vegetation.

had a lot of interaction with the Avera team to determine what the soul of the building would be. The essence of the project became, 'Life's transformation through grace and technology.'

The center also provides patients with abundant choices in care. Patients receiving chemotherapy can choose a private room with a balcony overlooking the atrium and indoor gardens, a third-floor suite with views of the roof garden, or a group room where they can share their experiences with other cancer patients. These innovations in treatment offer people from rural areas—particularly women, who in the past often opted for mastectomies in order to return home more quickly—improved care and recovery processes.

"The reactions from patients and visitors to our building have been extraordinary," says Fred Sluneka, Avera's chief operating officer. He recounts how the widow of a cancer victim, while touring the chemotherapy infusion rooms, "started to cry, saying she would have given anything to have a facility like this for her husband while he was going through treatment. When you get those kinds of raw emotional responses to a building and its design, that's tremendously satisfying."

BWBR's efficient design also maximizes flow: A fourth-floor same-day surgery center, for example, locates private patient rooms for pre-op preparations and post-op recovery adjacent to the operating suites. Sustainability also increases the quality of care. To improve indoor air, UV light kills airborne bacteria, and the 7,500 square feet of indoor plants, trees, grasses, ponds, and waterfalls

>> *continued on page 54*

AVERA PRAIRIE CENTER

Location:
Sioux Falls,
South Dakota

Client:
Avera Health

Architect:
BWBR
bwbr.com

Principal-in-charge:
Brian B.
Buchholz, AIA

Project lead designer:
Don Thomas

Energy modeling:
The Weidt Group
twgi.com

Landscape architect:
Landscape
Garden Centers

Construction manager:
Sioux Falls
Construction

Size:
260,000 gross
square feet

Cost:
\$93 million

Completion date:
November 2010

Photographer:
Ken Petersen
Photography



WHITING CLINIC

Location:
St. Louis Park, Minnesota

Client:
David Whiting, M.D.

Architect:
RoehrSchmitt Architecture, LLC
www.roehrschmitt.com

Project principal:
Chris Schmitt, AIA

Design principal:
Michael Roehr, AIA

Landscape architect:
oslund.and.assoc.
www.oaala.com

Construction manager:
Meritus Construction Management

Size:
11,000 square feet

Completion date:
January 2011

Photographer:
Gilbertson Photography

EYE DEFINITION

BY CHRISTOPHER HUDSON

A crisply modern and beautifully lit suburban eye-care clinic rewards 20/20 vision



Above: A sculpted medium-density-fiberboard (MDF) wall behind the check-in desk lends texture to the lobby. Below: The LASIK procedure room's glass wall "showcases the LASIK equipment in order to demystify it," says David Whiting, M.D. The curtain is drawn for patients who prefer privacy.



Interstate 394



Visitors enter from the parking lot in back into a light-filled two-story lobby. The floor plan is organized around the LASIK procedure room.

- 1 Entry
- 2 Lobby
- 3 Procedure room
- 4 Pre-operation area
- 5 Staff offices
- 6 Exam rooms



*At eye level,
translucent glass
and an outer screen
create a serene
yet stimulating
environment
through soft
visual layering.*

METAPHOR IN ARCHITECTURE CAN BE A VERY BAD IDEA. IN THE WRONG HANDS, IT CAN TURN A BUILDING INTO A CARTOON.

But when the project is an eye-care clinic and the architects are skilled designers with a modern bent, a hint of metaphor—namely, that of vision clarity—is a good thing. Such is the case with RoehrSchmitt Architecture's transformation of a neglected two-story office building on Interstate 394 in St. Louis Park into a new home for the practice of ophthalmologist and LASIK surgeon David Whiting. The clinic's glassy double-height lobby is a fitting prelude to the vision enhancements that patients will soon enjoy.

Not that metaphor was the driving force in the design. Whiting chose the building for its easy access and high visibility, so creating a façade that would draw the attention of the quarter-million motorists that pass the building each day was a top priority. Michael Roehr, AIA, and Chris Schmitt, AIA, approached this challenge by conceiving of the building as both a billboard and a beacon. Thus the clinic's name and logo are writ large in white on a rust-colored stucco square on the highway-facing north façade. The balance of the north façade (a checkerboard pattern of glass and metal panels) and the length of the east side of the building (the glass lobby) are wrapped at the base by a perforated metal screen, which shields those inside from highway traffic. At night, the perforated belt is dramatically backlit by colorful LEDs.

"The layers of transparency really played to our advantage inside the lobby," says architect Michael Roehr, AIA. "The scheme allowed us to screen the highway with a greater density of layers at the base of the curtain wall, where people sit."

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Medical History



In an issue highlighting the very latest in healthcare design in the Upper Midwest, *Architecture Minnesota* also looks back at three signature buildings in the evolution of the world-class Mayo Clinic campus in Rochester, all of which were shaped by architecture firm Ellerbe Becket, now practicing as AECOM. The three towers—the 1928 Plummer Building, the 1954 Mayo Diagnostic Building, and the 2002 Gonda Building, designed in concert with Cesar Pelli & Associates—illustrate the architectural innovations that have made Mayo an international leader in healthcare practice. Though they differ in style, the buildings have a surprising amount in common: an equal devotion to efficient function and a healing aesthetic. BY LINDA MACK

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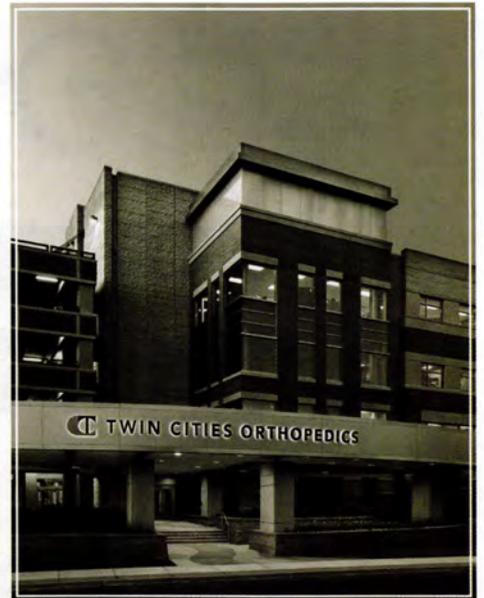
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Arts, M.D.

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One trend in healthcare design is opening facilities up to their communities and inviting people in. How is that impulse at work here?

Our clinic is an example of how great, simple design opens up new possibilities. The lobby (and we call it a lobby, not a waiting room) is so open and inviting that Guthrie actors stay after their appointments to go through their lines. Passersby are drawn here out of curiosity, which is great from a marketing aspect. We've had art openings and musical performances in the lobby. But we've also used this backroom for something like 25 events. Ten Thousand Things theater company has rehearsed and performed here, and we've had Guthrie acting classes, a healthy eating class with Spoonriver, and book signings. We hosted a Fringe Festival play last summer. We didn't generate any income from these events because we didn't charge for the space. But when people approach us, we try to accommodate them.

Why have you decided to make this clinic part of the arts community?

We have the space and it's the right thing to do. The University of Minnesota's broad mission is "Driven to Discover." The University of Minnesota Physicians' is "Specializing in Breakthroughs." I've always wondered, as a family physician, how I could accomplish those things. This clinic is the answer, as an incubator of innovation for the system. Clinics may be doing excellent health work, but they rarely deliver on the intention to be a community resource. We're just beginning to scratch the surface of community collaboration by having art and design help us integrate ourselves into this vibrant arts community. On another level, it's just good marketing, and it builds good social capital. And we're always looking for new ways to open up more to the community. We recently got a grant from the city for free bicycle racks, and the U installed them for us for free. So now with the bike racks and new planters and benches we've made our front entrance more welcoming.

Where does the impetus for melding arts, design, community, and healthcare come from in you?

Oh, I've tried to figure this out! I was in high-school band and in plays. I was in the St. Olaf College band. But I don't think of myself as a musician. I'm someone who realizes how important the arts are, while my day job—my passion—is to be a great physician. But my love of the arts has led to my caring for a lot of artists, since my first years of practice. It started when the wife of one of my residency classmates, who was working at

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Arts, M.D.

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the Orpheum Theatre, asked if I could see someone from the *Beauty and the Beast* touring company who was sick. That simple thing got me connected to the theater world. Word got around. I started seeing people from the Guthrie. In 1995-96, a lot of Hollywood films were being shot here. A colleague of mine, whose son was a production assistant, wasn't interested in treating the crew, so I stepped in. I thought it was cool.

Is there anything particularly enjoyable about treating artists?

I love artists because they see the world differently. They're outside-the-box people, innovative thinkers, intelligent and curious, and that appeals to me a great deal. Oh, and they tell stories. I have great stories. Initially, there was also the wow factor. As in, Oh my gosh, I just met Jack Lemmon or Sophia Loren. It's less of a big deal now, but it's still fun. I take pride in the fact that I can help performing artists get through whatever their medical issue is, and if they're giving joy to the crowd of people at Target Center I'm glad that in some small way I helped them perform to their full capability.

OK, so how about one of those stories.

I was with my son at a movie, he was five years old, and Bea Arthur had fallen off the stage at the Guthrie. She'd gotten back on, but the company manager called me to ask if she could drive me to the Monte Carlo, where the actress was having dinner with friends, to do a quick check. It was a Sunday. I was wearing a baseball cap, a T-shirt, and I hadn't shaved. I had my son with me. I didn't look very doctorly. We got to the Monte Carlo and went into a private room. She'd fallen on her backside, and while I was trying to confirm where it hurt she slapped my hand and said something to the effect of, Don't get fresh. Yes, she had probably already started easing the pain with some sort of liquid refreshment.

How has design helped you to do your work better?

In a medical clinic, when people are suffering and concerned, you don't want things getting in your way or stressing patients out further. People can do great healthcare in spaces that aren't well designed. But the ability for us to practice good evidence-based medicine with high patient satisfaction is truly made easier through good design. Good design is important for flow issues, for efficiency, for patient access and satisfaction. It makes for a perfect storm of all the right pieces coming together. **AMN**

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Color Therapy

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Employees, meanwhile, benefit from abundant natural light and private spaces that allow them to disconnect and take a break or have a conversation. At Amplatz, these private areas are referred to as "offstage," a concept borrowed, fittingly, from Disney World. Of course, patients and their families get dedicated spaces, too. So far, 23 of the 96 patient rooms have been made more home-like and fun through an Adopt-a-Room campaign. (Someday, with donor help, all of the rooms will be upgraded.)

"Think about an average hospital room," says Williams. "If you can't get out of bed, you're absolutely reliant on someone else. And kids don't like that. *Adults* don't like that. So in the rooms that have been 'adopted,' the child can change the lights, raise and lower the shades, and access the TV, the Internet, movies, video games, and teleconferencing, all from his or her bed."

Anecdotally, staff and patients report not just a psychological benefit from the new facility but also a physical one, and studies are under way to prove that, through good architecture and collaboration, this beautiful, well-designed hospital delivers exceptional care. **AMN**

Magnetic Personality

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telegraphs CMRR's status as an accessible university-wide resource, to successively more shielded and secure research areas along the building's spines.

Likewise, several design elements, notably the rhythmic pattern of glazing in the lobby and public corridors, recall sliced MRI images. Curved surfaces, such as the red Venetian plaster wall of the second-floor seminar room, are reflective of a magnet's magnetic field, or the space into which a subject is placed for study. Bold shots of color punctuate the floors and walls of the high-tech laboratory environment.

The service courtyard between the two wings brings daylight into several interior spaces and is also a repository for an eye-catching sculptural object: one of the first 4-Tesla human MRI magnets ever produced. Although no longer in use, it's a powerful symbol of the rapid advancement of MR technology—and CMRR's position at the forefront of new discoveries in the field. **AMN**

Our January/February 2011 issue profiled CMRR's neighbor, the Wallin Medical Biosciences Building.

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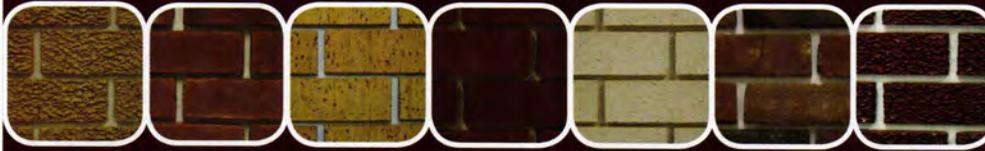
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City Health

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and make private phone calls. In a reversal of traditional hierarchy, the hallway connecting backstage areas runs along the clinic's north wall, capturing sunlight from the most desirable windows.

A GOOD NEIGHBOR

"This project was the first to be part of the Whittier neighborhood's new pedestrian overlay," explains lead designer Amy Douma, Assoc. AIA. Certified LEED Silver by the U.S. Green Building Council, Whittier Clinic transforms a former brownfield site with a rainwater garden and outdoor community gathering spaces. The L-shaped building abuts 28th Street to the north and Nicollet to the east. In 20-plus neighborhood meetings, HCMC staff and area residents discussed everything from the clinic's public art to building materials and public open space. Douma recalls one neighbor saying, "When I'm looking out from a restaurant across the street, I want to be entertained."

HGA fulfilled this request by cladding a large boxlike segment of the Nicollet façade with metal panels that reflect the changing light and seasons. The rising parapet and dramatic exterior lighting make it a neighborhood beacon at night—as do the scattered punched windows that express HCMC's four branding colors: orange, purple, blue, and green. Reflecting the area's many historic buildings, red brick walls enclose the administrative and clinic wings that meet at the metal-clad box.

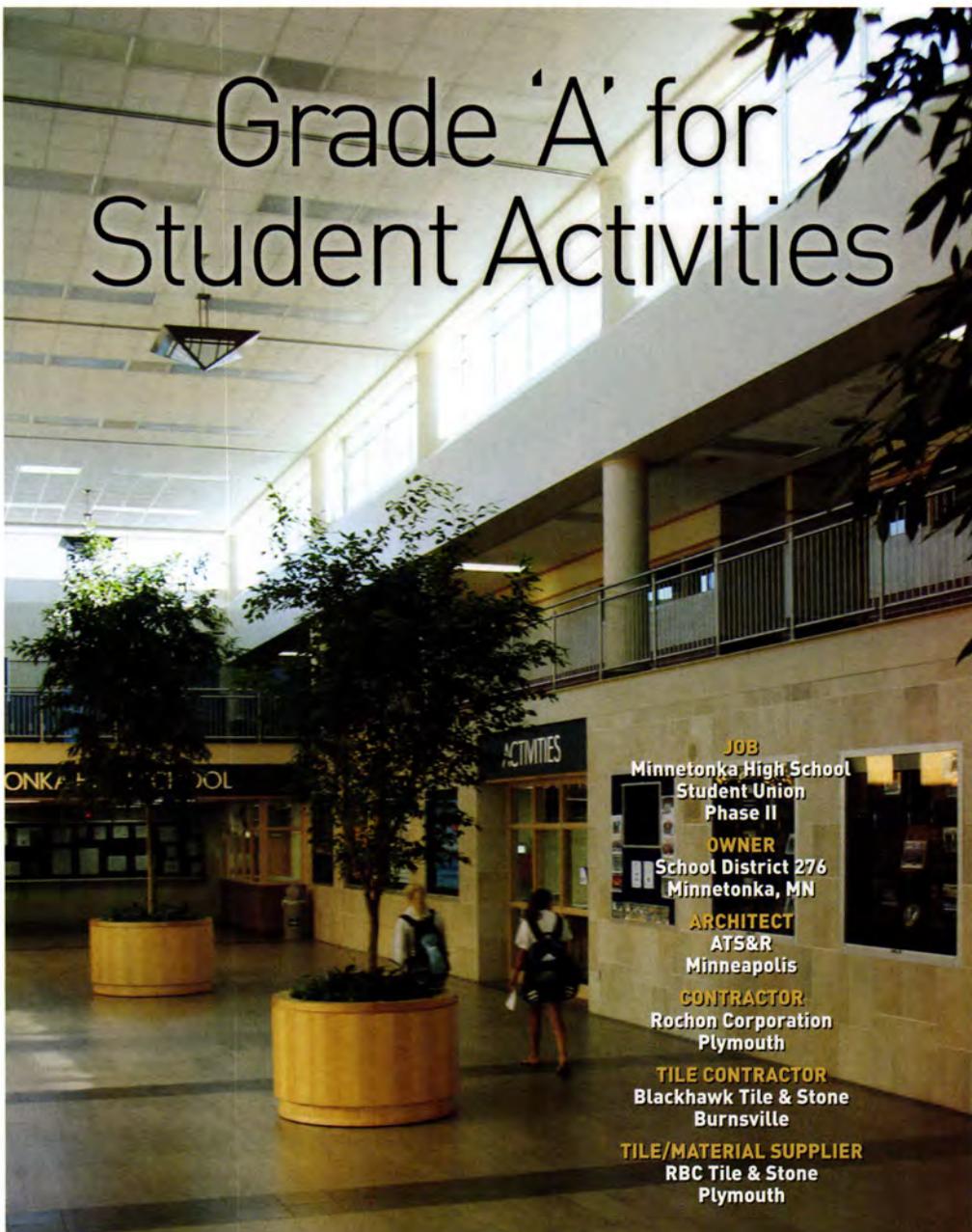
HIGHER EXPECTATIONS

In order to maximize the new clinic's operational efficiency, HGA tracked the flow of activity in Whittier's previous facility and consulted with staff about needed improvements. "It was clear," says Douma, "that the existing space led to operational inefficiencies. The clinic was long and narrow, with staff work areas and supplies distributed throughout, making communication and collaboration difficult." The new clinic supports a streamlined operational model, one that helps to reduce wasted steps (physical and otherwise) and minimize patient wait times. Parallel efficiencies in facility size, energy consumption, staffing needs, and equipment utilization achieve substantial savings for HCMC.

Tom Bravo, HCMC's director of facility services, believes that efficient design of facilities and service delivery matters for another reason:

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City Health

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baby boomers. As this large demographic nears retirement age, they're bringing what Bravo calls "higher expectations" for the care they receive, including timely access to primary care, one-on-one interaction with physicians, and a single site for all services. The emerging idea of patient-focused care is, in Bravo's words, "that everything comes to you." Whittier Clinic's attractive spaces and range of medical services address these new demands and are already helping HCMC expand its client base.

When asked what advice he has for architects seeking healthcare work, Bravo gives a very old-fashioned answer: "Bedside manner. You have to have compassion and understanding." After decades in the field, he and his colleagues can tell when a design team cares deeply about the patient experience while also understanding delivery systems. Research, empathy, and a willingness to relinquish old design assumptions all matter. Whittier Clinic is a prime example of how medicine really is many things—new technologies, a financial system, a craft, and a calling. For Hez Obermark, healthcare should also be available close to home, and Whittier is ensuring just that—"bringing the services back where they belong." **AMN**

Rooms with a View

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balance humidity and air quality. Building materials include no-VOC paints, adhesives, and fabrics.

Art commissioned from local and regional artists, including a community digital-media wall, showcases creative expression from cancer survivors and others touched by the disease. And, in addition to being a gathering space for patients, family, and staff, the garden atrium has become a premier venue for events hosted by local organizations. In fact, Avera recently hired a full-time staff member to manage the atrium as an event space.

"We have a desire that our buildings be productive for us—not just as places to house equipment and human beings but as environments that enhance health and create other positive outcomes," says Avera Health senior vice president Richard Moleseed. "The time and diligence BWBR took in the planning process has resulted in a design that's unique to cancer treatment. It's not only a statement for our hospital but a gift to our community." **AMN**



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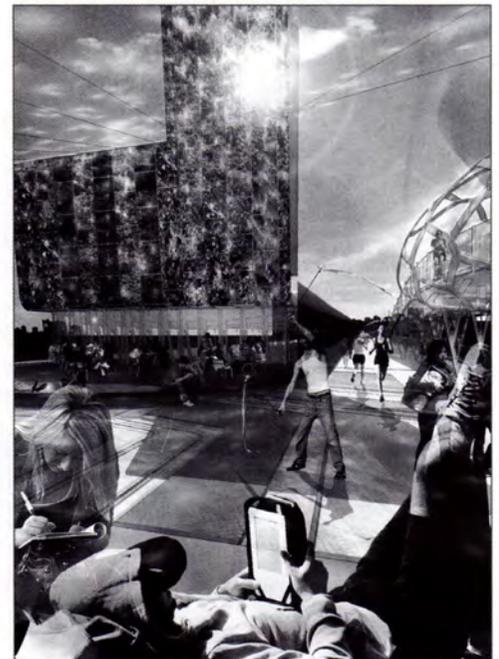
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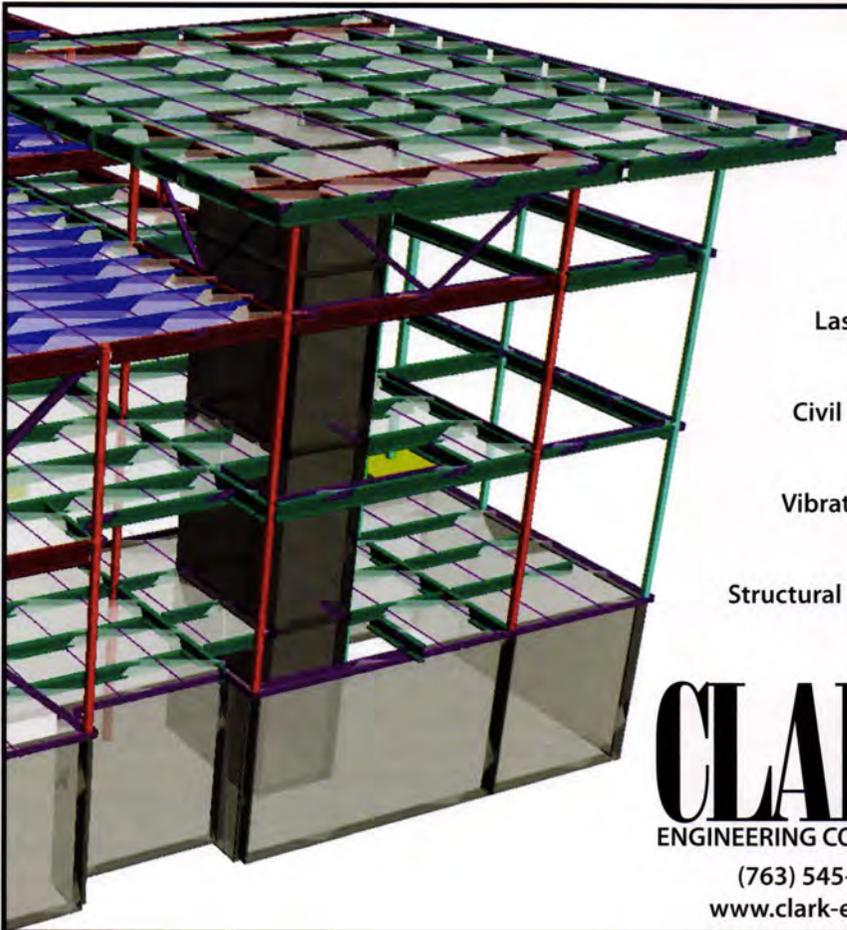
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Eye Definition

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Inside the lobby, visitors find greater transparency the higher they lift their gaze. At eye level, translucent glass and the outer screen create a serene yet stimulating environment through soft visual layering. Above the screen, patients have a crystal-clear view of "the sky, changing weather, the surrounding trees, all of which creates this wonderful connection to nature," says Roehr. Guests in the waiting area can further relax by making coffee or tea at an inviting kitchenette. An open white stair leads to the second level, where a dental clinic and another healthcare tenant will soon reside.

Whiting and his architects smartly chose to concentrate resources on the lobby, but that doesn't mean the exam and procedure spaces were given short shrift. The LASIK procedure room, in particular—a spacious, uncluttered room (save for the high-tech equipment) with an interior glass wall—offers nervous patients a calming blend of advanced technology and clean, modern design. "People see that the clinic was designed with a great deal of forethought," says Whiting. "That reinforces the message that our eye-care procedures will be done with great precision and care." Can architecture really communicate all that? In the case of the Whiting Clinic, seeing is believing. **AMN**



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Medical History

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selections and focused on a theme of glass art. A chandelier by renowned Seattle glass artist Dale Chihuly punctuates the west atrium.

"The architectural challenge was to do an interior that really works and maximize the usable area in a large mass," says Waugh. The large mass was cut away where it links with the Mayo Building, and the wavy curtain wall was used to enliven the public areas that join the two buildings. Cesar Pelli & Associates was the design consultant.

The Gonda Building stands as the culmination of a century of patient-centered healthcare—and at the apex of a 100-year client-architect relationship that has recast healthcare design. **AMN**



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Total Number of Copies (Net press run) | 10,417 | 11,500 | b. Legitimate Paid and/or Requested Distribution (By Mail and Outside the Mail) | | | (1) Outside County Paid/Requested Mail Subscriptions stated on PS Form 3841 (Include direct and/or indirect request from recipient, advertising and general circulation if requested, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.) | 4,237 | 4,274 | (2) In-County Paid/Requested Mail Subscriptions stated on PS Form 3841 (Include direct and/or indirect request from recipient, advertising and general circulation if requested, paid subscriptions including nominal rate subscriptions, employer requests, advertiser's proof copies, and exchange copies.) | 0 | 0 | (3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid or Requested Distribution Outside USPS® | 743 | 710 | (4) Requested Copies Distributed by Other Mail Classes Through the USPS (e.g. First-Class Mail®) | 54 | 40 | c. Total Paid and/or Requested Circulation (Sum of 15b(1), (2), (3), and (4)) | 5,034 | 5,024 | d. 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Total Non-requested Distribution (Sum of 15d(1), (2), (3) and (4)) | 4,725 | 5,004 | f. Total Distribution (Sum of 15c and 15e) | 9,759 | 10,028 | g. Copies not Distributed (See instructions to Publishers at page 832) | 658 | 1,472 | h. Total (Sum of 15f and g) | 10,417 | 11,500 | i. Percent Paid and/or Requested Circulation (15c divided by 15f times 100) | 52% | 50% | <p>12. Tax Status (For completion by nonprofit organizations authorized to mail at nonprofit rates) (Check one) <input type="checkbox"/> The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes: <input checked="" type="checkbox"/> Has Not Changed During Preceding 12 Months <input type="checkbox"/> Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)</p> <p>PS Form 3526-R, September 2007 (Page 1 of 3) (Instructions Page 3) PSN: 7530-02-000-9000 PRIVACY NOTICE: See our privacy policy on www.usps.com</p> |
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Welcome to *Architecture Minnesota's* 16th Annual Directory of General Contractors. The following paid listings were solicited from the membership of the Associated General Contractors (AGC) of Minnesota, a statewide association of building, heavy/industrial, highway and municipal/utility contractors since 1919, and from other sources.

General Contractors are important team players in the building and design industry. We invite you to use this directory as a resource for upcoming projects - both in Minnesota and out-of-state.

ADOLFSON & PETERSON CONSTRUCTION

6701 West 23d Street
Minneapolis, MN 55426
Tel: (952) 544-1561
Fax: (952) 525-2333
Email: dmulvey@a-p.com
www.a-p.com
Established 1946
Total MN Office: 192
Other Offices: Denver, Tacoma, Charlotte, Dallas, Phoenix
Total Other Offices: 682
Contact: Dennis L. Mulvey, AIA,
(952) 544-1561

Company Principals

Dennis L. Mulvey, AIA, Senior Vice President
Steve Fritz, Vice President Operations
Clyde Terwey, Vice President/Chief Estimator
Mark Liska, Vice President
Mark Adamson, Vice President

As one of the nation's leading general contractors and construction managers, A&P combines more than 65 years of construction expertise with the newest technologies to provide owners, architects and developers with the highest standards of workmanship, integrity and client care.

University of Minnesota NOVA Far Detector, Ash River, MN; American Swedish Institute, Minneapolis, MN; MN Veterans Home, Minneapolis, MN; Blue Lake Wastewater Treatment Plant, Shakopee, MN; Central Corridor Light Rail Transit, Minneapolis, MN; Honeywell, Miscellaneous Sites, MN; State of Minnesota, Moose Lake Treatment Facility, Moose Lake, MN; Northwestern College Academic Center, Arden Hills, MN

OSCAR J. BOLDT CONSTRUCTION

1001 Tall Pine Lane
Cloquet, MN 55720
Tel: (218) 879-1293
Fax: (218) 879-5290
Email: kirk.ilenda@boldt.com
www.boldt.com
Established 1889
Other MN Offices: Rochester, (507) 424-2500; Grand Rapids (218) 326-8242
Total in MN: 21
Other Offices: Appleton (HQ), Milwaukee, Madison, Stevens Point (WI); San Francisco, CA
Total Other Offices: 350
Contact: Kirk Ilenda, Bus. Dev. Mgr.
(218) 878-4529

Company Principals

Tom Boldt, Chief Executive Officer
Bob DeKoch, President/Chief Operating Officer
Linda Nila, Chief Financial Officer
Ron Hanson, Executive Vice President/General Manager, MN Operations, Cloquet
Steve Schultz, Operations Director, Rochester

Boldt invites clients to "Realize what's possible" on their projects. We strive to provide owners with construction services that exceed their expectations. We complete projects in the healthcare, higher education, power and commercial marketplace. We offer a full range of services: program management, construction management, design/build, general construction, consulting, planning, conceptual estimating, certified value engineer services, LEED certification, maintenance services, heavy rigging and crane support, and machinery installation.

Community Memorial Hospital (Phase II addition), Cloquet, MN; Carlton County (new community services center), Cloquet, MN; University of Minnesota Duluth - Labovitz School of Business, Duluth, MN; St. Olaf College - Tostrud Hall, Northfield, MN; Lake Country Power Service Center, Mountain Iron, MN; Mayo Health System - Immanuel St. Joseph's Hospital, Mankato, MN

BOSSARDT CORPORATION

8300 Norman Center Drive, Suite 770
Minneapolis, MN 55437
Tel: (952) 831-5408
Fax: (952) 831-1268
Email: info@bossardt.com
www.bossardt.com
Established 1983
Total in MN: 30
Contact: John Bossardt, (952) 831-5408

Company Principals

John Bossardt, President
Mark Bosch, Senior Vice President
Charlene Jasan, Senior Vice President
Steve Kilmer, Senior Vice President

Bossardt Corporation brings 28 years experience providing professional construction management, owner representative, and cost estimating services to public and private sector clients on projects including educational, governmental, health care, industrial, housing, and religious facilities. Our experienced staff is committed to providing accurate cost/budget estimating, effective value engineering strategies and reliable scheduling.

Duluth Public Schools, Duluth, MN; Eagan Fire Safety Center, Eagan, MN; Hayes Community and Senior Center, Apple Valley, MN; MnSCU Century College, White Bear Lake, MN; Chanhassen High School, School District #112; New Richmond High School, New Richmond, WI

CONSTRUCTION RESULTS CORPORATION

14170 23rd Avenue North
Plymouth, MN 55447
Tel: (763) 559-1100
Fax: (763) 553-0494
Email:
mark.snyder@constructionresults.com
www.constructionresults.com
Established 1999
Total in MN Office: 20
Contact: Mark Snyder, (763) 559-1100

Company Principals

Mark Snyder, President
John Snyder, Vice President
Ned Meyer, Vice President

Construction Results Corporation is a professional, trusted, Commercial and Industrial General Contractor providing itself in developing "value added" solutions for renovation/ remodeling work and new construction. CRC can self-perform demolition, concrete and carpentry work to save both time and costs. Experienced in design/build, negotiated and competitively bid projects with emphasis on service, quality, safety and value. Owned by Structural Engineers, we truly understand "value engineering" and the benefits of an experienced design/build team.

Sea Life (2011 re-launch/renovation), Mall of America, Bloomington, MN; Donaldson Company, Inc. (industrial air filtration lab), Bloomington, MN; Northeast Community Lutheran Church (renovate old school to new church), Minneapolis, MN; Como Park Elementary School (renovation), St. Paul, MN Animal Humane Society (add intake rooms), Various Locations; Dunn Bros. Coffee (renovation), St. Paul, MN; Salvation Army (boiler room repairs), Minneapolis, MN

GEORGE F. COOK CONSTRUCTION CO.

2300 Nevada Avenue North, Suite 200
Golden Valley, MN 55427
Tel: (763) 450-4565
Fax: (763) 450-4567
Email: info@georgefcook.com
www.georgefcook.com
Established 1885
Total in MN Office: 24
Contact: George F. Cook III, (763) 450-4565

Company Principals

George F. Cook Jr., Chairman
George F. Cook III, President
Joel Cleveland, Secretary

George F. Cook Construction Co. is a general contractor providing rehabilitation and new construction for commercial, industrial, and manufacturing facilities. Company employees perform selective demolition, concrete, and all types of carpentry work. Projects include schools and community facilities.

St. Richard's Catholic Church, Richfield, MN; The Union Depot, St. Paul, MN; Polar Semiconductor, Bloomington, MN; Williston Recreation Center, Minnetonka, MN; Anthony & Hale Schools, Minneapolis, MN; VAMC MRI Installation, Minneapolis, MN

CRAWFORD MERZ ANDERSON CONSTRUCTION CO.

2316 4th Avenue South
Minneapolis, MN 55404
Tel: (612) 874-9011
Fax: (612) 874-9015
Email: chucka@cmacco.com
www.cmacco.com
Established 1886
Other MN Office: Brainerd, (218) 568-5310
Total in MN Office: 35

Company Principals

Chuck Anderson, President
Wayne Anderson, Vice President
Travis Farniok, Project Manager
Andy Triplett, Assistant Project Manager

Extent of services/specialties:
Specializing in interior and exterior remodeling and restoration along with new construction and pre-engineered metal buildings. CMACCO provides proven, quality workmanship with highly experienced, long-term field personnel. Dedicated employees

continued next column

enable CMACCO to work closely with subcontractors and suppliers, developing new and continued relationships with architects, owners and building officials, while also providing clients with professional, efficient, cost-effective construction projects. We strive to EXCEED our clients' expectations.

Brown College, Brooklyn Center, MN; Hunt's Point Clubhouse/Canine Center, Nisswa, MN; Hotel Minneapolis Lobby and Lounge, Minneapolis, MN; Town Hall Tap, Minneapolis, MN; ADM (office build-out) at 701 Building, Minneapolis, MN; AGC Office (renovation), St. Paul, MN; Grand Oaks Business Park, Eagan, MN; Eagle Street Grille, St. Paul, MN

DONLAR CONSTRUCTION COMPANY

550 Shoreview Park Road
Shoreview, MN 55126
Tel: (651) 227-0631
Fax: (651) 227-0132
Email: jon.kainz@donlarcorp.com
www.donlarcorp.com
Established 1972
Total MN Offices: 22
Contact: Jon Kainz, (651) 227-0631

Company Principals

Don Kainz, Chief Executive Officer
Jon Kainz, Chief Operating Officer
Karl Anderson, Chief Financial Officer

Donlar Construction Company provides superior preconstruction, general contracting, construction management and design-build services to both private and public clients - specializing in healthcare, religious, governmental, commercial, retail, industrial and educational construction. Donlar employs 125 dedicated employees including skilled field personnel providing project supervision, carpentry, demolition, concrete and other related scopes of work. Since 1972, Donlar Construction has earned its sterling reputation for quality construction and dependable service through teamwork, honesty, integrity and excellence.

continued next column

Prairie Ridge Hospital and Health Services, Elbow Lake, MN; National Hockey and Event Center (addition/renovation), St. Cloud, MN; Kopp Student Center - Normandale Community College, Bloomington, MN; Birch Hall - Bemidji State University, Bemidji, MN; North Elementary School, Princeton, MN; MnDot Mankato District Headquarters, Alexandria, MN; St. Joseph Clinic, St. Joseph, MN; Immaculate Heart Catholic Church, Crosslake, MN

FRANA COMPANIES INC.

633 2nd Avenue South
Hopkins, MN 55343
Tel: (952) 935-8600
Fax: (952) 935-8644
Email: adonnino@frana.com
www.frana.com
Established 1977
Total in MN: 180
Contact: Allie Donnino, (952) 908-2660

Company Principals

Peter Donnino, President
Mike Benedict, Executive Vice President
Stuart Bestul, Vice President Estimating
Mitchel Osterholt, Vice President Senior Housing
Mike Tuomi, General Superintendent

Founded in 1977, Frana Companies Inc., is a recognized leader in the multi-family housing and commercial construction industry, specializing in market rate and affordable apartments, student housing, townhomes, condominiums, and cooperatives, renovations, and senior living and healthcare communities. Frana self performs all carpentry services on projects and has a prefabricated wall plant in Rosemount, MN. We practice innovative craftsmanship to provide our clients with the best possible results.

Mill District City Apartments (175-unit luxury apartments), Minneapolis, MN; Flux Apartments (216-unit luxury apartments), Minneapolis, MN; The Ellipse (133-unit luxury apartment), St. Louis Park, MN; Blue Apartments (242-unit eco-friendly, luxury apartment), Minneapolis, MN; Carondelet Village (255-unit senior housing), St. Paul, MN; Seasons at Maplewood (150-unit senior housing), Maplewood, MN; Eitel Building City Apartments (213-unit luxury apartment), Minneapolis, MN; Genesee Apartments and Townhomes (234 -unit market rate housing), Bloomington, MN

GRAHAM CONSTRUCTION SERVICES, INC.

2995 Lone Oak Circle, Suite 1
Eagan, MN 55121
Tel: (651) 687-0648
Fax: (651) 687-0947
www.grahamus.com
Established: 1926
Total in MN: 75
Other Offices: U.S. - Eagan, MN; Omaha, NE; Seattle and Spokane, WA
Canada - Alberta (Calgary, Edmonton, Fort McMurray); Saskatchewan (Regina, Saskatoon); British Columbia (Vancouver, Kelowna); Ontario (Toronto) Total Other Offices: Over 800
Contact: Dave Lenss, Pres./Branch. Mgr., (651) 687-0648

Company Principal

Dave Lenss, President/Branch Manager

Graham is an employee-owned contractor founded on commitment, integrity and reliability. With over 80 years of experience and annual revenues exceeding \$1.9 billion, we are one of the industry's leading contractors. Graham covers the entire construction lifecycle and every contracting mode: general contracting, CM/GC, project management, design-build, design-bid-build, integrated project delivery, turnkey solutions, renovations/upgrades, Public-Private Partnerships (P3s), commissioning and post-construction management.

Arden Hills Readiness Center, Arden Hills, MN; Minot Air Force Base (design/build dormitory), Minot, ND; City of Minneapolis Dewatering Plant (expansion), Fridley, MN; Broadway Wastewater Treatment Plant, Corpus Christi, TX; Delaware City Refinery, Delaware City, DE; University of Minnesota (system-wide elevator upgrades), Minneapolis, MN

KRAUS-ANDERSON CONSTRUCTION COMPANY

525 South 8th Street
Minneapolis, MN 55404
Tel: (612) 332-7281
Fax: (612) 332-0217
Email:
john.campobasso@krausanderson.com
www.krausanderson.com
Year Established 1897
Other MN Offices: Circle Pines (763) 786-7711; Duluth (218) 722-3775; Bemidji (218) 759-0596
Other Offices: Madison, WI; Phoenix, AZ; Kansas City, KS
Contact: John Campobasso, (612) 332-7281

Company Principals

Alan A. Gerhardt, Chief Operating Officer
Mark Coudron, Senior Vice President
Rioch Jacobson, Senior Vice President
Terry Hart, Vice President/Director of Operations
Craig Francois, Vice President Director of Operations
Jeff Lisakka, Vice President Director of Operations

We provide comprehensive general contracting and construction management services. Our focus is on early planning and collaborating with the entire project team to maximize value.

Wadena-Deer Creek High School, Wadena, MN; Duluth Airport, Duluth, MN; Gustavus Academic Building, St. Peter, MN; Gunderson Lutheran Medical Center, La Crosse, WI; Orono Senior Housing, Orono, MN; Riverwood Healthcare, Aitkin, MN; Four Winds North Casino, Hartford, WI; Crow Creek School, Stephan, SD

MCGOUGH COMPANIES

2737 Fairview Avenue North
St. Paul, MN 55113
Tel: (651) 633-5050
Fax: (651) 633-5673
Email: info@mcgough.com
www.mcgough.com
Established 1956
Other MN Office: Rochester (507) 536-4870
Total in MN Offices: 555
Other Office: Phoenix
Total Other Office: 45
Contact: Cheryl Tantholt, (651) 633-5050

Company Principals

Thomas J. McGough, Sr., Chairman
Thomas J. McGough, Jr., President
Bart Zibrowski, Executive Vice President
Bake Baker, Executive Vice President
Mike Hangge, Executive Vice President
Brad Wood, Executive Vice President

McGough offers strategic facility and organizational planning, development, general contracting, construction management and design-build services and post-occupancy services. McGough has an unmatched reputation for delivering high-quality projects on time and within budget. From complete "turnkey" development to general construction services, McGough has maintained a firm commitment to time-tested guiding principles.

Centra Care, St. Cloud, MN; Hamline University Center, St. Paul, MN; United/Children's Hospital (expansion), St. Paul, MN; Medtronic, Santa Ana, CA; Hormel (office expansion), Austin, MN; Ecolab (campus expansion), Eagan, MN; University of Minnesota (St. Anthony Falls laboratories), Minneapolis, MN; Cowles Center for Dance & the Performing Arts, Minneapolis, MN

MORTENSON CONSTRUCTION

700 Meadow Lane North
Minneapolis, MN 55422
Tel: (763) 522-2100
Fax: (763) 287-5457
Email: ken.sorensen@mortenson.com
www.mortenson.com
Established 1954
Total in MN Office: 410
Other Offices: Chicago, Denver, Milwaukee, Phoenix, Seattle, Toronto, Shanghai
Total in Other Offices: 1765
Contact: Ken Sorensen, Vice President, (763) 287-5326

Company Principals

M.A. Mortenson, Jr., Chairman
Thomas Gunkel, President/Chief Executive Officer
David Mortenson, Executive Vice President
Paul Cossette, Senior Vice President
Ken Sorensen, Vice President
Kendall Griffith, Vice President, Director of Operations

Mortenson Construction, established in 1954, is a Minneapolis-based, family-owned construction organization. We have grown to more than 2,175 team members with project operations in 48 states and a number of select international locations. Our headquarters operates out of Minneapolis, MN with additional regional offices located in Chicago, Milwaukee, Phoenix, Seattle, Denver, Toronto and Shanghai. The firm offers customer-centric design-build, project development and turnkey development.

The Union Depot, Saint Paul, MN; Lakewood Cemetery Garden Mausoleum, Minneapolis, MN; Minnesota Zoo Russia's Grizzly Coast and Heart of the Zoo, Apple Valley, MN; University of Minnesota Biomedical Discovery District, Minneapolis, MN; Walker Art Center (expansion), Minneapolis, MN; Walt Disney Concert Hall, Los Angeles, CA; Minneapolis Central Library, Minneapolis, MN; Target field, Minnesota Twins Ballpark, Minneapolis, MN

PCL CONSTRUCTION SERVICES, INC.

12200 Nicollet Avenue South
Burnsville, MN 55337
Tel: (952) 882-9600
Fax: (952) 882-9900
Email: jkjensvold@pcl.com
www.pcl.com
Established 1906
Total in MN Office: 180
Other Offices: Albuquerque, Anchorage, Atlanta, Bakersfield, Calgary, Charlotte, Denver, Edmonton, Fort McMurray, Halifax, Honolulu, Kelowna, Las Vegas, Los Angeles, Minneapolis, Nassau, Orlando, Ottawa, Phoenix, Regina, San Diego, Saskatoon, Seattle, Tampa, Toronto, Vail, Vancouver, Winnipeg, Yellow Knife
Total in Other Offices: 7500
Contact: John Jensvold, (952) 882-2572

Company Principals

Don Fromme, District Manager
John Jensvold, Director, Project Development
Michael Headrick, Operations Manager
Dan Ilten, Director Design/Build
Trent Johnson, Pre-construction Service Manager
Jeff Krick, Chief Estimator

The Minneapolis office of PCL was established in 1978 to complete a series of projects for Oxford Development, including St. Paul's Town Centre and the Dain Tower in Minneapolis. Locally, PCL focuses on high tech, manufacturing, food processing, gaming, hospitality and higher education. We provide leading edge construction planning, pricing and value analysis services from the inception of the design process through project completion.

Mystic Lake Casino Hotel, Prior Lake, MN; Baldinger Bakery, St. Paul, MN; Malt-O-Meal, Northfield, MN; Carleton College Laird Stadium, Northfield, MN; Mall of America (renovation), Bloomington, MN; Buhler Manufacturing, Plymouth, MN; Medrad/Possis, Coon Rapids, MN; Grand Hotel (renovation), Minneapolis, MN

RJM CONSTRUCTION

7003 West Lake Street, Suite 400
St. Louis Park, MN 55426
Tel: (952) 837-8600
Fax: (952) 832-9600
Email: bruce.halbasch@rjmconstruction.com
www.rjmconstruction.com
Established 1981
Other MN Office: Minneapolis (612) 305-2133; Bloomington (952) 893-8807
Total in MN Offices: 110
Other Offices: Denver, Phoenix
Total in Other Offices: 10
Contact: Bruce Halbasch, (952) 820-8769

Company Principals

Bob Jossart, President
Joe Maddy, Chief Operating Officer
Brian Recker, Senior Vice President
Bruce Halbasch, Vice President
Corporate Development
Paul Wade, Controller

RJM provides pre-construction, general contracting and construction management services to its commercial, healthcare, tenant, interior and community clients. They embrace collaboration with the project team in order to define final project parameters - taking clients' unique vision, budget and schedule to deliver customized, well-built spaces.

US Bank - Meridian Crossings, Richfield, MN; Ford Center, Minneapolis, MN; Coon Rapids Ice Arena, Coon Rapids, MN; Southdale YMCA, Edina, MN; Bobby & Steve's Auto World, Eden Prairie, MN; Minneapolis/St. Paul Business Journal, Minneapolis, MN; Emily Program, St. Paul, MN; TFX Medical, Plymouth, MN

SHAW CONSTRUCTION INC.

7685 Corporate Way
Eden Prairie, MN 55344
Tel: (952) 937-8214
Fax: (952) 934-9433
Email: jshaw@shawconstruct.com
www.shawconstruct.com
Established 1977
Total in MN: 4
Contact: John N. Shaw (Jack), (952) 937-8214

Company Principals

John N. Shaw (Jack), President
Earl N. Gebauer, Vice President Construction
James B. Swedenborg, Chief Financial Officer

continued next column

Shaw Construction Inc. is a design/build general contractor successfully providing new construction, additions, tenant improvements, renovations and unique construction within the commercial, light industrial, manufacturing and retail construction markets. Through its construction and products, Shaw Construction has developed long-lasting relationships with owners, developers, architects and engineers throughout the Upper Midwest.

Catco Parts and Service, Fargo, ND and Sioux Falls, SD; Wings Financial Credit Unions; Platinum Bank; Arroplax Manufacturing (addition); Manus Products Manufacturing (addition); Turnstyle Consignment (addition); Clean Air Products (addition); Rosemount Engineering (interior improvements)

SHAW-LUNDQUIST ASSOCIATES, INC.

2757 West Service Road
Saint Paul, MN 55121
Tel: (651) 454-0671
Fax: (651) 454-7982
Email: hyhsiao@shawlundquist.com
www.shawlundquist.com
Established 1974
Total in MN: 55
Other Offices: Las Vegas
Total Other Office: 5
Contact: Darin Christensen, (702) 951-0282

Company Principals

Hoyt Hsiao, President/Chief Executive Officer
Holden Hsiao, Director IT/
Business Development
Thomas J. Meyers, Vice President
Construction Operations

Shaw Lundquist Associates, Inc. is a second generation General Contractor. We are the largest Asian-American owned general contractor in the nation. Our projects represent a broad range of building and client types including multi-tenant housing, retail, laboratories for education/healthcare/private industry, parking structures, and municipal and governmental facilities. We self-perform project supervision, concrete and carpentry work. Typically Shaw Lundquist functions as the general contractor, design-build contractor or construction manager.

continued next column

Lofts at Farmer's Market, St. Paul, MN; Southwest Metro Transit (parking structure), Chanhassen, MN; US Bank Uptown, Minneapolis, MN; Lake Superior College Health & Science Center, Duluth, MN; Inver Grove Heights City Hall (expansion/renovation), Inver Grove Heights, MN; Iowa State University (recreation facilities expansion), Ames, IA; University of Wisconsin Jarvis Hall Science Wing, Menomonie, WI; Mississippi Market, Multiple Locations, St. Paul, MN

WATSON-FORSBERG CO.

6465 Wayzata Boulevard, Suite 110
Minneapolis, MN 55426
Tel: (952) 544-7761
Fax: (952) 544-1826
Email: cindyh@watson-forsberg.com
www.watson-forsberg.com
Established 1965
Total in MN Office: 35
Contact: Dale Forsberg, (952) 544-7761

Company Principals

Dale Forsberg, President
Mike Ashmore, Vice President
Paul Koliass, Vice President
David Forsberg, Secretary/Treasurer
Donna Lucero, Controller
Dave Carlson, Senior Project Manager

Watson-Forsberg Co. builds: commercial, multi-family, retail, religious, educational, medical and industrial. New construction projects and renovation range from \$10,000 to \$25,000,000. Watson-Forsberg constructed the environmentally-responsible Seward Co-op (LEED Gold). The Redeemer Missionary Baptist Church restoration won the National Trust Preservation Award. Projects are also recognized by the AIA Committee on Urban Environment, Best in Real Estate, and Minneapolis HPC

Franklin Portland Gateway (The Wellstone & Jourdain), Minneapolis, MN; Gale Mansion/Event Center (renovation), Minneapolis, MN; Ripley Gardens (apartment and historic renovation), Minneapolis, MN; YMCA (addition/remodel), Woodbury, Shoreview and Minneapolis, MN; Open Arms, Minneapolis, MN; The New San Marco, Duluth, MN

It takes a village to design, engineer, and construct a great building. So let's give credit where credit is due.

University of Minnesota Amplatz Children's Hospital

page 22

Location: Minneapolis, Minnesota

Clients: University of Minnesota Hospitals and Clinics; Fairview Health Services

Design architect: Tsoi/Kobus & Associates (TK&A)

TK&A team: Richard L. Kobus, FAIA (principal-in-charge); Sapir Ng, AIA (project designer); Richard Moon, AIA (project manager); Camie Maze, AIA; Chu Foxlin, AIA; Jennifer Mango; Jesse Cannon; Laurie DaForno, AIA; Stephen Palumbo, AIA; Caroline Perez; Laura Nathanson; Jody MacLeod; Kate Reed

Associate architect: HGA Architects and Engineers

HGA team: Dennis Vonasek, AIA (principal-in-charge); Justin Bice (project designer); Karin Johnson, AIA (project architect); Nicole Fenwick; Brent Benusa; Dave Willer, AIA

Energy modeling: The Weidt Group
Structural engineer: Meyer, Borgman & Johnson

Mechanical engineer: HGA Architects and Engineers

Electrical engineer: HGA Architects and Engineers

Civil engineer: HGA Architects and Engineers

Lighting design: HGA Architects and Engineers

Interior design: Tsoi/Kobus & Associates; HGA Architects and Engineers

Program manager: Jacobs Consulting
Construction manager: Kraus-Anderson Construction Company

Landscape architect: Damon Farber Associates, Inc.

Face brick: Yankee Hill Brick & Tile
Cabinetwork: Siewert Cabinets

Flooring systems/materials: Forbo (marmoleum); Dexo-Tex (epoxy floor); Crossville, Daltile, Novabell (porcelain floor tile); T&M Supply (terrazzo); Shaw, Bentley, Prince Street, Interface FLOR, Burmatex (carpet and carpet tile); Mats Inc. (walk-off mats)

Window systems: Kawneer

Architectural metal panels: Rimex Metals USA

Concrete work: Gresser Industries

Millwork: Siewert Cabinets

Photographers: Nick Merrick, Hedrick Blessing; Steve Henke, Henke Studio; Paul Crosby; Pete Sieger

University of Minnesota Center for Magnetic Resonance Research

page 26

Location: Minneapolis, Minnesota

Client: University of Minnesota

Architect: RSP Architects

Principal-in-charge: David Norback, AIA

Project lead designer: Ted Davis, AIA

Project manager: Bryan Gatzlaff, AIA

Project architect: Judd Brasch, AIA

Project team: John Larson; Dustin Benis; Michal Lauren Hunt; Morgan Blum; Joe Ford; Stefan Hokuf; Daniel Kodet, Assoc. AIA; Dwight Martell; John Merten; Matt Nysten; Jerry Putnam; Francois Saltre

Energy modeling: The Weidt Group

Structural engineer: Ericksen Roed & Associates

Mechanical engineer: Sebesta Blomberg

Electrical engineer: Sebesta Blomberg

Civil engineer: Pierce Pini & Associates, Inc.

Lighting design: Sebesta Blomberg

Interior design: RSP Architects

Construction manager: Mortenson Construction

Landscape architect: UMN Landcare

Face brick: Acme Brick; Mortenson Construction

Stone: Artstone; Mortenson Construction

Casework: Fisher Hamilton; Haldeman-Homme, Inc.

Flooring systems/materials: Becker Brothers; Twin City Tile & Marble Company

Curtain wall/storefront systems: EFCO; Empirehouse, Inc.

Architectural metal panels: M.G. McGrath

Concrete work: Mortenson Construction

Millwork: Aaron Carlson; Mortenson Construction

Photographer: Philip Prowse

Whittier Clinic

page 30

Location: Minneapolis, Minnesota

Client: Hennepin County Medical Center

Architect: HGA Architects and Engineers

Principal-in-charge: Gary Nyberg, AIA

Project lead designer: Amy Douma, Assoc. AIA

Project manager/architect: Jennifer Klund, AIA

Interior designer: Rand Liedl

Project team: Jennifer Brandel; Todd O'Neill; Kimberly Sandbulte; Paula Storsteen

Energy modeling: The Weidt Group

Structural engineer: HGA Architects and Engineers

Mechanical engineer: HGA Architects and Engineers

Electrical engineer: HGA Architects and Engineers

Civil engineer: HGA Architects and Engineers

Lighting design: HGA Architects and Engineers

General contractor: McGough Construction

Landscape architect: HGA Architects and Engineers

Face brick: Minnesota Brick

Stone: Artstone

Cabinetwork: Aaron Carlson

Flooring systems/materials: Sonus Interiors

Window systems: Twin City Glass

Architectural metal panels: Berwald

Concrete work: McGough Construction

Millwork: Aaron Carlson

Photographers: Dana Wheelock; Paul Crosby; Henke Studio

Avera Prairie Center

page 34

Location: Sioux Falls, South Dakota

Client: Avera Health

Architect: BWBR

Principal-in-charge: Brian B. Buchholz, AIA

Project lead designer: Don Thomas

Project manager: Jason Nordling, AIA

Project architects: Stephanie Alstead, AIA; Glenn Manni, AIA, retired; Stephen Busse, AIA; Susan Goldberg

Project team: Jessica Kenneally; Ryan Johansen; Michael Slowinski; Danilo Sim; Bryan Desma, AIA; Eric How; Helmi Mohd Nor; Ken Frey; Richard Høglund, AIA; Roger Larson, AIA

Energy modeling: The Weidt Group

Structural engineer: Structural Engineering Associates

Mechanical engineer: TSP, Inc.

Electrical engineer: TSP, Inc.

Civil engineer: Sayre Associates

Lighting design: Schuler Shook

Interior design: BWBR

Construction manager: Sioux Falls Construction

Landscape architect: Landscape Garden Centers

Face brick: Endicott Clay Products

Stone: Cold Spring Granite; Vetter Stone

Cabinetwork: JMJ Casework

Flooring systems/materials: Office Interiors, LLC

Window systems: EFCO; Twin City Glass

Architectural metal panels: Architecture Roofing and Sheetmetal, Inc. (ARS)

Concrete work: Sioux Falls Construction

Millwork: JMJ Casework

Foodservice design: Robert Rippe & Associates

Elevators: BWBR; ThyssenKrupp Elevator

Photographer: Ken Petersen, Ken Petersen Photography

Whiting Clinic

page 38

Location: St. Louis Park, Minnesota

Client: David Whiting, M.D.

Architect: RoehrSchmitt Architecture, LLC

Project principal: Chris Schmitt, AIA

Design principal: Michael Roehr, AIA

Project team: Jaclyn Thomford, Assoc. AIA; Michael Fischer, Assoc. AIA

Structural engineer: Ericksen Roed & Associates

Mechanical engineer: Bloom Engineers

Electrical engineer: Bloom Engineers

Civil engineer: Pierce Pini & Associates, Inc.

Interior design: RoehrSchmitt Architecture, LLC

Lighting design: RoehrSchmitt Architecture, LLC

Construction manager: Petar Poucki for Meritus Construction Management

Landscape architect: oslund.and.assoc.

Cabinetwork: Southern Minnesota Woodcraft

Flooring systems/materials: Kate-Lo Tile (porcelain tile); Bolyu (carpet)

Window systems: Glass & Mirror Inc.

Architectural metal panels: Steelwerxx

Concrete work: Larry the Concrete Guy

Millwork: Southern Minnesota Woodcraft

Photographer: Gilbertson Photography

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PLACE

Cities. Neighborhoods.
Landscapes. The places
we love, as seen through
a photographer's eye.

"Sometimes the elements combine perfectly to create the image. In this aerial of the **University of Minnesota Landscape Arboretum** in Chaska, the fall colors were at their peak, low humidity cleared the air, and the sun shone brightly.

I had taken shots closer to the visitor center that showed the plazas in front of and behind the building, but my thoughts turned to capturing the full glory of this Minnesota treasure. Moving the helicopter away and toward the entrance allowed me to create a sense of entry, as well as show the beginning of the three-mile trail, with the visitor center at the center." —*Photographer Steven Bergerson*

