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TWOS AND THREES

College student centers and multifamily-housing projects are popping up in lively duos and trios.

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PERFORMANCE REPORT

Quality Bicycle Products' LEED-Gold headquarters expansion delivers on its lofty environmental goals.

PAGE 20

TOWN TALK

Macalester College head Brian Rosenberg details the school's ambitious construction campaign.

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Building Community

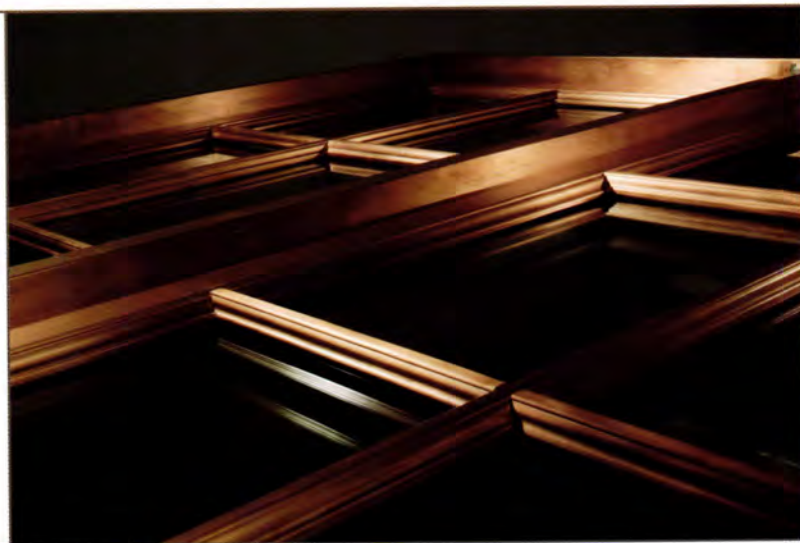
*A college arts commons
brims with light and life*

COVER: MACALESTER COLLEGE
JANET WALLACE FINE ARTS CENTER
PAGE 24



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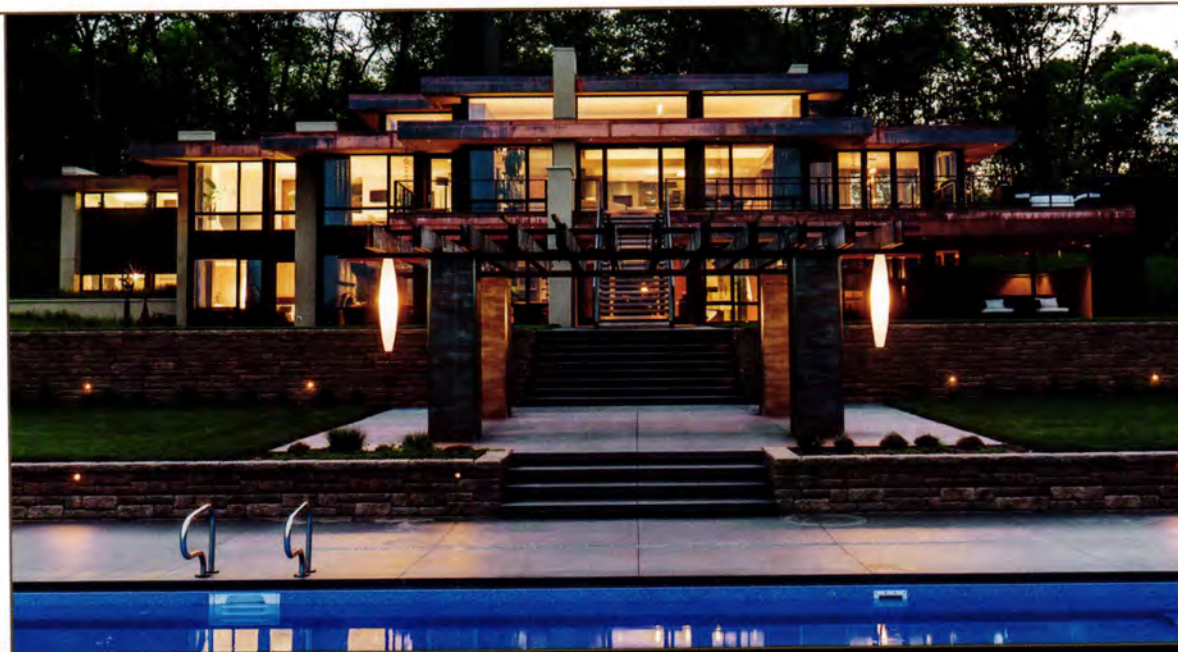
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More signs of recovery for the design and construction industry: Quality collegiate and multifamily-housing projects are popping up in numbers.

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ON THE COVER

Macalester College
Janet Wallace Fine Arts Center
St. Paul, Minnesota

"The creative energy in the Janet Wallace Fine Arts Center's Arts Commons is palpable," says photographer **Paul Crosby**. "Students pause while passing through, sharing thoughts and ideas. I imagine that some of these ideas will make their way to the gallery walls and performance spaces of this engaging arts complex."





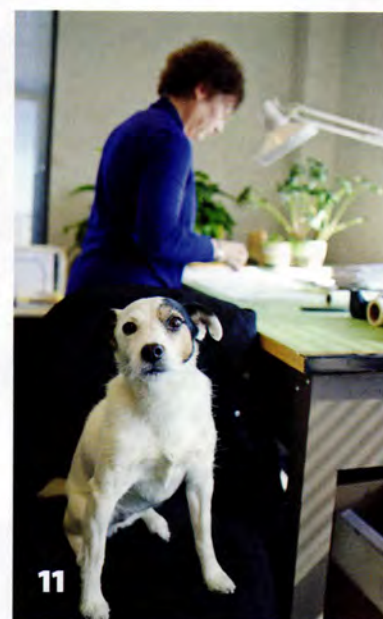
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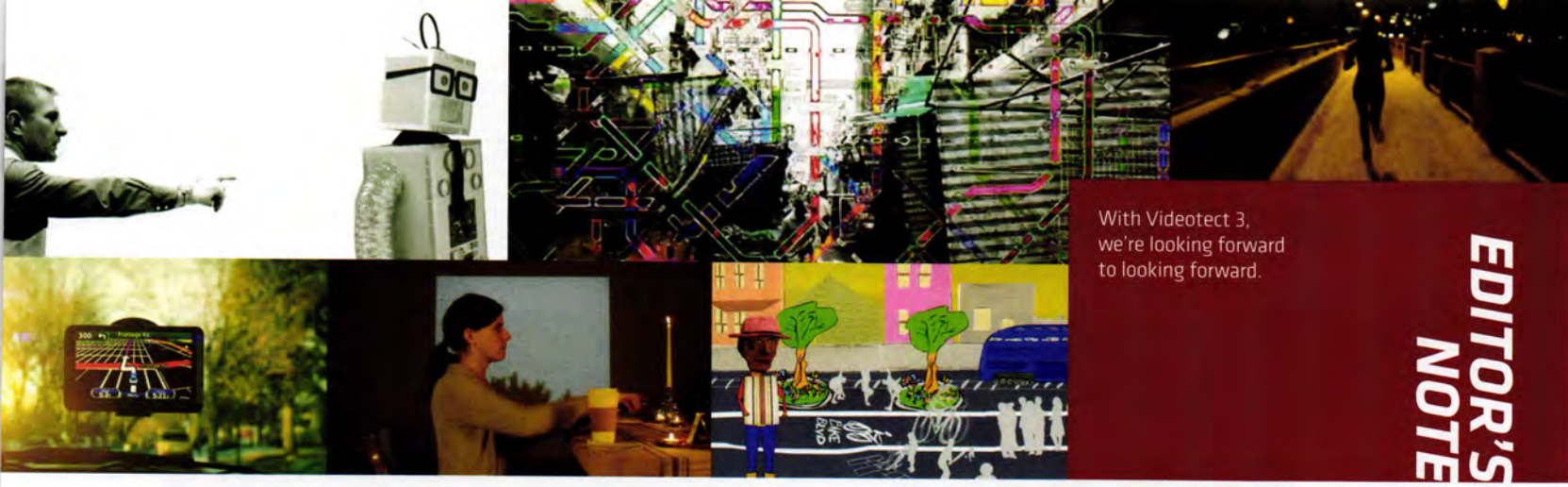
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With Videotect 3,
we're looking forward
to looking forward.

EDITOR'S
NOTE

Great Expectations

Our third annual architecture-themed video competition (page 9) is heating up this winter, and it's got me thinking about the City of the Future. We conceived this much-banded-about topic for Videotect 3 to give entrants the ultimate in creative license. Think about it: The subjects of the first two competitions—the impacts of the skyway and transportation choices, respectively, on our cities—limited video-makers to reality, for the most part. But the future is limited only by one's imagination. We won't be surprised if some Videotect 3 participants take us 500 years into the future, or even to another planet.

But the more I've been ruminating on the subject the more I realize that we see glimpses of the City of Tomorrow every day. We see it in the growing popularity of bicycle transportation, in solar-powered street signs and parking meters, and of course in construction projects slowly taking their final form and appearance. We

begin to grasp how the smaller projects will change our neighborhoods, the larger ones our skylines. Some ongoing projects, like the Central Corridor light-rail line in the Twin Cities, we know will be momentous, forever altering the quality and rhythm of a long stretch of urban fabric.

Especially forward-looking new buildings can retain their air of tomorrow for years or even decades. This issue's Wayfarer department (page 19) turns the camera on perhaps the most futuristic environment in the world: Santiago Calatrava's City of Arts and Sciences in Valencia, Spain. Closer to Minnesota, the Modern Wing of the Art Institute of Chicago, by Renzo Piano, and the expansion of the Nelson-Atkins Museum of Art in Kansas City, Missouri, by Steven Holl, will no doubt look very much at home at mid-century. In St. Paul, another arts complex, Macalester College's airy and crisply detailed Janet Wallace Fine Arts Center (page 24),

envision the near future as one in which learning is inspired as much through casual interaction as it is in the classroom.

How will the Videotect 3 entries manage to paint a picture of the City of the Future without a \$150 million production budget? Some may posit that tomorrow looks a lot like today. Will the visions be *Jetsons* light or *Blade Runner* dark? I hope both. Many of the building projects on the rise today fill me with optimism, but I have to admit that film dystopias such as *Code 46*, *Children of Men*, and, most recently, *Looper* draw me in with their artful depictions of the consequences of our economic and environmental stewardship today. For now, all I can tell you is: Be absolutely sure to tune in architecturemn.com on February 6, when the videos go live for viewing and voting.

Chris Hudson

Christopher Hudson
hudson@aia-mn.org



You don't get on a big stage like this,
by pretending.



It's not quite ready for prime time, the crowds haven't begun to gather, and the first performance isn't even booked yet, but work has started and Egan's electrical group is hitting the bright lights with their part in the \$80.8 million Northrop Auditorium renovation.

Originally built in 1929 as a massive performing arts venue, The Northrop is being re-purposed as a "bustling academic center of excellence for students, faculty and the community," according to U of M sources. And Egan is right in the middle of everything gutting the original, out dated equipment, installing critical electrical systems, and restoring historic light fixtures.

While in the past the 4,800-seat auditorium was used less than 50 days a year by The University, after the renovation it will house several academic departments

and have enough study space to double the amount of public study area on the campus. It will also have a 2,800 seat multi-purpose, state of the art concert hall.

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INTERIORS IN A WORLD
Action words, not adjectives,
capture the design intent
of the right projects in our
annual interiors showcase.
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homes and offices a source
of inspiration. Come see the
different designs and make
PAGE 42

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Developer George Omeron
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Dynamic Interiors

ARCHITECTURE
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CENTERS OF ATTRACTION
Colleges and universities
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Gateways to Campus

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The grand
reopening

COVER: UNIVERSITY OF MINNESOTA
WEISSMAN ART MUSEUM
PAGE 20

ARCHITECTURE
MN

WHAT'S YOUR ANGLE?
The new design magazine
and online community, with
inspiring projects and
insider stories.
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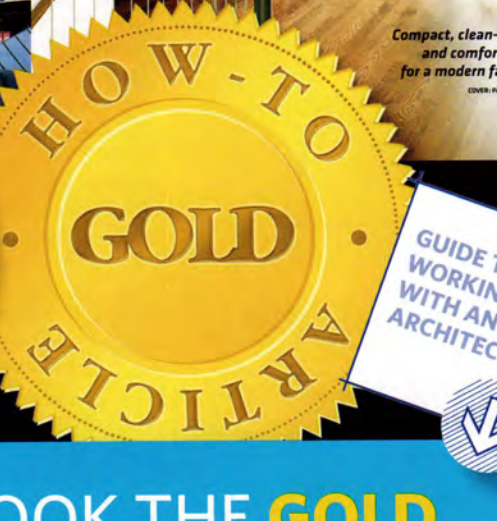
NEW GUIDE
Providing a modern look
at the latest in design, with
a focus on the new
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CONNECTION
A new generation of architects
and leaders in their profession
share their experiences, ideas,
and a healthy new perspective.
PAGE 15

Design for Living

Compact, clean-lined,
and comfortable
for a modern family

COVER: PRAIRIE HOUSE
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GUIDE TO
WORKING WITH AN
ARCHITECT



ARCHITECTURE MN TOOK THE **GOLD**

THE MINNESOTA MAGAZINE & PUBLISHING ASSOCIATION HELD ITS 2012 EXCELLENCE AWARDS

GALA EARLIER THIS MONTH, AND ARCHITECTURE MN RECEIVED
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VIDEOTECT 3: THE CITY OF THE FUTURE Who doesn't love a good *Jetsons* episode or sci-fi thriller? Film and TV audiences have always been drawn to visions of what buildings and cities will look like in the future. So for our third annual video competition we're asking you to take us into *your* imagination. Will the building you work in years from now be more healthful or responsive to you than the one you work in today? Will your city have less green space? **Give us a glimpse of the future in a 30- to 120-second video.** You don't need Hollywood art direction to explore this topic—just a creative approach.



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CAPTURE

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Follow us on Twitter for wide-ranging design conversations and the latest on Videotect 3.

We came to it late, but we're making up for lost time with 140-characters-or-less thoughts on built-environment news and issues, first peeks at our upcoming magazine coverage, and Twitpics of all the things we do and places we go (building tours, interviews, and photo shoots, to name a few). So come talk to us.



Big night for us at #MMPA awards:
3 Golds including for Overall Excellence and Steph won honey in raffle!



Touring fab @macalester fine arts center
with architects @etimcarl and Steven Dwyer of @HGA_ArchandEng.

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If you had \$5,000 for office improvements or staff development, what would you do with it? Add a large-screen monitor and AV setup for the conference room.

\$500,000? First, take everyone in the office to the Netherlands for a bicycle tour of great Dutch housing and urban design. Second, get Walkstations and completely new hardware setups for everyone. Third, add a shower and a rooftop garden/patio.

Employee with the most interesting or unusual extracurricular:
Emily—spelunking!

What's the greenest feature of your space? We have big operable windows and lots of daylight. But really it's our staff: Todd is a Great River Greening board member, Chris is a Minnesota Green Roofs Council board member, and we all work diligently to find the best green features to incorporate into our tight-budget housing projects.

Favorite Minnesota buildings not designed by your firm: Saarinen's Christ Church Lutheran in Minneapolis and the Finnish dovetailed log structures around Embarrass, Minnesota.

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

The firm that designed Higher Ground (page 40), winner of the inaugural Affordable Housing Design Award, thrives on bringing quality housing to those who need it most

Cermak Rhoades Architects

Founded: 1993 **City and neighborhood:** Lowertown St. Paul **Number of employees:** 9 cermakrhoades.com

Firm founders Terri Cermak, AIA, and Todd Rhoades, AIA, love the view from high up in Lowertown St. Paul.

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THEN NOW WOW

MINNESOTA HISTORY CENTER
ONGOING

Smartphones and iPads are an integral part of an interactive exhibition exploring Minnesota's history. "Then Now Wow" at the Minnesota History Center in St. Paul ushers kids into a past that's been enlivened with the multimedia of the present, some of which they activate with their handhelds. Imagine, for example, huddling inside a tipi while listening to Dakota slam-poet Bobby Wilson give a spoken-word history lesson, or visiting an 1870s sod house. Kids can also get a close-up look at the emergency exit door of the school bus involved in the I-35W bridge collapse, or "ride" a streetcar from the Minnesota State Capitol to downtown Minneapolis as Tommy guns blast and windows open onto history in the making. "Then Now Wow" is being touted as a revolution in the museum field trip. The exhibition certainly encourages learning on today's terms, as young "digital natives" encounter a history unique to Minnesota. minnesotahistorycenter.org



KIDS' CHOICE

A new history exhibition, theater production, and arts day help keep the young from getting restless this winter

PINOCCHIO

CHILDREN'S THEATRE COMPANY
JANUARY 15-FEBRUARY 24

Carlo Collodi's enduring story of a wooden boy brought to life—complete with a nose that extends when he tells a lie—has been imparting an important moral lesson to children since it debuted in 1883. Its longstanding popularity can be attributed in part to its openness to adaptation. Case in point: This winter, the Tony Award-winning Children's Theatre Company premieres a new version of *Pinocchio* by English director Greg Banks. Envisioned as a story within a story, Banks' fast-paced and imaginative retelling is set inside a theater where a group of painters perform the play. childrenstheatre.org

—Camille LeFevre



DAN NORMAN

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

CULTURE CRAWL

WALKER ART CENTER



PICTURES OF YOU

FREE FIRST SATURDAY
WALKER ART CENTER
JANUARY 5

Kids love to play dress up. And they like to make art. So do big kids, like artist Cindy Sherman. She's turned her fascination with art history, popular culture, and photography into an astounding collection of portraits (of herself, disguised with makeup, wigs, costumes, prosthetics, and props) that mock and mystify, illuminate and provoke ideas about contemporary identity and photographic representation. Now the whole family can do the same, during the Walker Art Center's January Free First Saturday program, "Pictures of You." Set yourself free and discover what you might want to be during a day of performances and art making. Remember the Norman Rockwell tableau vivant on *Modern Family*? That could be your family, but perhaps with more digital flair. walkerart.org



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A-Mill Artist Lofts

FINAL-PHASE
COMPLETION:
SEPT 2014

After years of false starts, Minneapolis' landmark Pillsbury A-Mill complex is being renovated into 252 affordable live/work units for artists and cultural workers. And preservationists can cheer: The property's many late-19th-century industrial elements are key features in the transformation.

Fast Forward previews
marquee architectural projects
nearing completion.

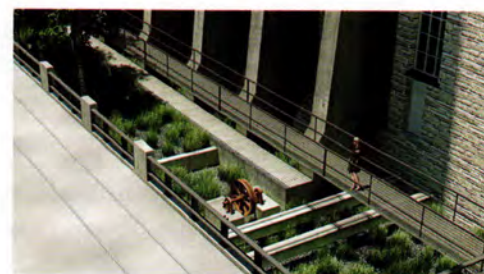
FAST
FORWARD



◀ The A-Mill building's iconic river-facing facade gets a deliberately modest entryway at the location of a former loading door. Its form echoes the chutes that once funneled grain and flour through the building.

Project team: Dominium, developer; BKV Group, architect, interior designer, landscape architect, and structural, mechanical, and electrical engineer; Loucks Associates, civil engineer; MacDonald & Mack Architects, exterior restoration consultant; WJE, exterior restoration consultant; Weis Builders, general contractor

▼ Warehouse 2's loading dock becomes its main entrance and outdoor gathering space. Grasses and trees soften an artfully arranged hardscape that borrows heavily from the complex's industrial material palette.



▲ A sunken ruins garden at the north end of the complex unearths a buried transfer table used to move freight cars from one track to another. The garden and the catwalk above it trace one of the historic rail lines.



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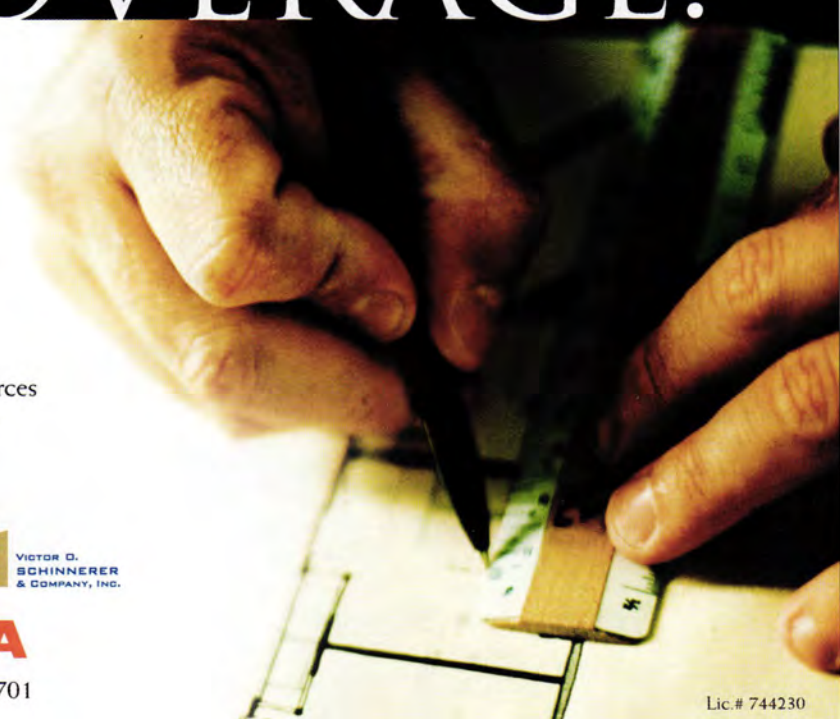
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St. Paul's Macalester College enjoys a sterling academic reputation, earning lofty spots in annual rankings of the best U.S. liberal-arts colleges. But part of its campus has been a work in progress. Until relatively recently, the area south of the architecturally established north half of campus was little more than an open field between an undistinguished athletic facility and a somewhat forbidding complex of 1960s arts buildings. Many students avoided the area, and those who did pass through it had no walkways to follow.

But today the south half of the heart of campus is thriving, thanks to a new master plan, improved landscape design, and two recently completed building projects—a more welcoming athletics complex and a crisp transformation of an arts building into a bustling campus hub (page 24). The north end of campus got a jolt of 21st-century design, too, in the form of Markim Hall, the first collegiate building in Minnesota to be certified LEED-Platinum. We sat down with the school's president, Brian Rosenberg, to find out if the three new buildings are living up to expectations.

We enjoyed photographing you in the newly revamped Janet Wallace Fine Arts Center for this feature. How often do you get over there?

I've made a point to be over there a lot, because I'm interested in getting an informal sense of how it's being used. Our great hope for the public spaces in the building was that they would become a hub for the campus. We wanted students to use the large, open communal spaces to study and socialize in groups, and that's happened. And we also created quieter spaces—the nooks and crannies of the building—for students who want to read or take a nap or have a quiet

conversation, and that's played out as well. It really has become a living building—a building that the campus has inhabited very, very quickly.

Are more than just music and art students using the building? Absolutely. I was talking to an economics major the other day who'd been in the previous incarnation of the building twice in his three years at Macalester. He's in the new building every day.

>> continued on page 48

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

TOWN
TALK

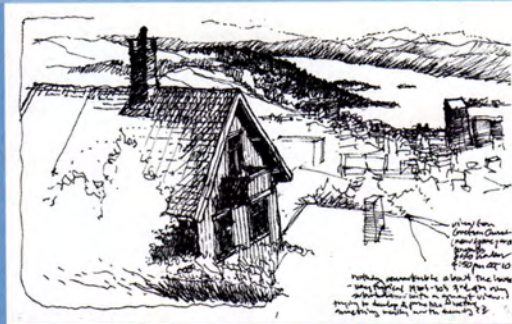
Mac Guy

Macalester College president Brian Rosenberg talks with *Architecture Minnesota* about the role architecture plays in building community on campus

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A sketch of the Oslo, Norway skyline by Brian Larson,
the first recipient of the RRTSF, in 1990.

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ANDREA RUGG PHOTOGRAPHY

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ON A CRUISE TO BARCELONA THIS PAST APRIL, MY WIFE LINDA AND I DECIDED TO TAKE A TOUR OF VALENCIA—a new port for us—that listed Ciudad de las Artes y las Ciencias as one of the attractions. Imagine our surprise when we came upon a futuristic complex of mostly Santiago Calatrava-designed structures in the center of what we had thought to be a traditional industrial city. After we completed the city tour, I rushed back to spend the rest of the day walking and photographing the complex.

Valencia built its tourism jewel between 1996 and 2005 on the former riverbed of the Turia. The dry channel is now a seven-kilometer-long promenade of parks, fountains, ponds, athletic fields, and cafes that culminates in the City of Arts and Sciences. Each of the city-within-a-city's major sights—two bridges; a steel-shelled

opera house; an eye-shaped IMAX cinema and planetarium; a sculpture-garden walkway; a science museum resembling a whale skeleton; a covered plaza; and an open-air oceanographic park designed by Félix Candela—is a structural marvel.

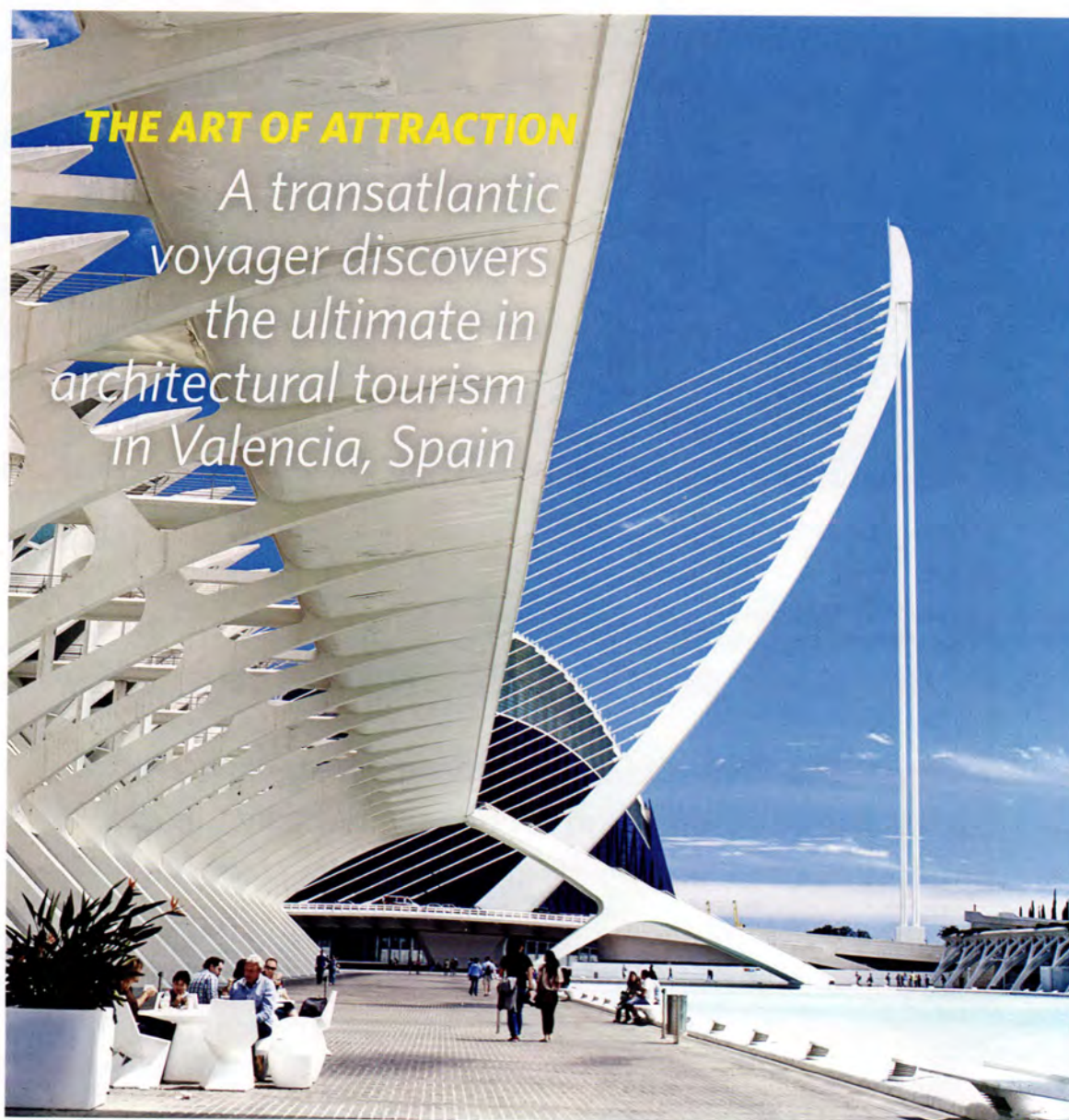
"As the site is close to the sea, and Valencia is so dry, I decided to make water a major element for the whole site, using it as a mirror for the architecture," says Calatrava, a Valencia native. His use of pure white concrete and fragments of tile—an important industry in Valencia—ties all of the structures together and creates a dramatic contrast to the water and blue sky.

Did I make it back to the ship on time? Yes, but only after the crew had informed Linda that they were leaving without me.

—Bill Armstrong, AIA

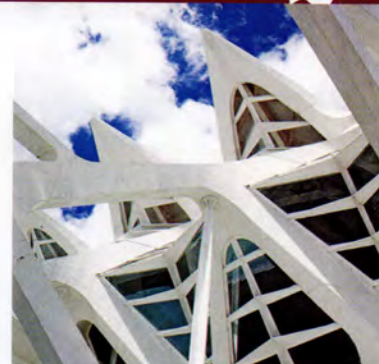
In Wayfarer, architects and other design enthusiasts share their experiences of architectural environments around the world.

WAYFARER



THE ART OF ATTRACTION

*A transatlantic
voyager discovers
the ultimate in
architectural tourism
in Valencia, Spain*



Left: The promenade outside Prince Felipe Science Museum, with a cable-stay bridge and a covered plaza, both also designed by Calatrava, in the background. Top: Detail of the museum's roof structure and clerestory. Middle: The museum's north elevation. Bottom: View of the museum from the cable-stay bridge, which emphasizes its skeletal form.



STEVEN BERGERSON

THE NUMBERS HERE
COME FROM UTILITY
READINGS AND INDEPENDENT
STORMWATER TESTS
CONDUCTED BY THE
UNIVERSITY OF MINNESOTA'S
ST. ANTHONY FALLS
LABORATORY.

PERFORMANCE REPORT

*Measuring the energy and environmental
performance of sustainably designed buildings*

When we profiled **Quality Bicycle Products'** LEED-Gold headquarters expansion in our January/February 2007 issue, we knew its raft of environmentally friendly design features—photovoltaic roof panels and runoff-reducing rain gardens, to name just a few—would lead to impressive building performance. But what are the actual numbers now that the building has been in operation for nearly seven years? Is the LHB-designed office and warehouse facility meeting or exceeding its ambitious energy and environmental targets?



KIM BRETHEIM, AIA

A curving glass curtain wall and a large clerestory provide generous daylighting in the office areas, while ponds and rain gardens keep most stormwater on the property—an important achievement with Hyland Lake Park Reserve a short distance away.

The Secret to Achieving Substantial Energy Savings?

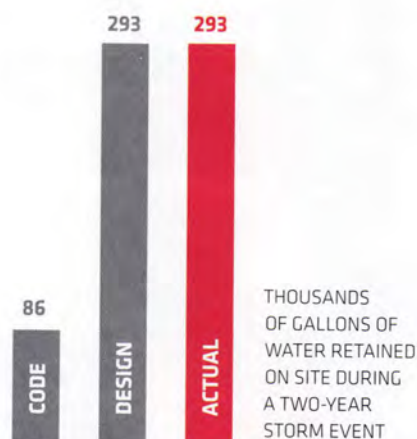
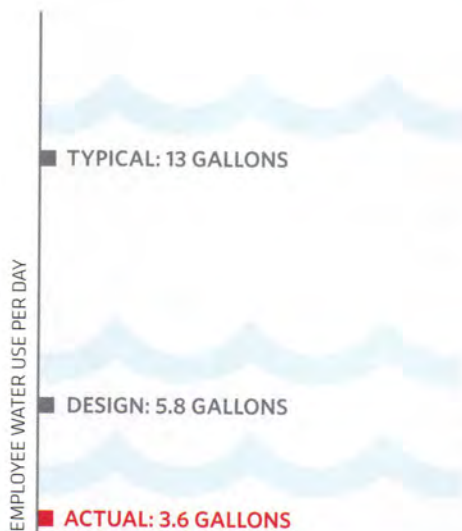
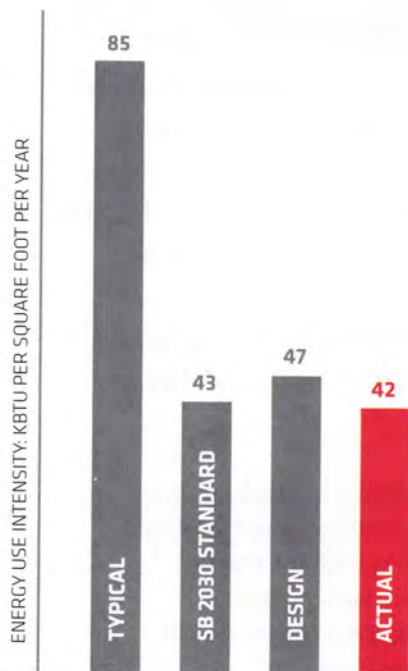
LHB senior vice president Rick Carter puts it this way: “If I gave you a list of the things you should do—like open the blinds and turn down the lights—and you did those things, you’d probably do a good job of reducing energy use. If I put a meter in the building that showed real-time energy consumption but I *didn’t* tell you what to do, you’d probably still do a good job—you’d try things and see their impact on the meter numbers. But if I gave you both—the list and the meter—you’d knock it out of the park every time.”



KIM BRETHEIM, AIA



STEVEN BERGERSON



ENERGY

LHB's Rick Carter, FAIA, describes the standard metric for a building's energy use—kBtu (1,000 British thermal units) per square foot per year—as “architectural miles per gallon.” QBP's architectural MPG beats projections and the Minnesota Sustainable Building 2030 (SB 2030) standards, thanks to extensive daylighting in the 34,000-square-foot office area, high-efficiency lighting throughout the building, and the 5 kBtu per square foot per year generated by onsite photovoltaic technology.

WATER

QBP's water usage, measured in gallons per occupant per day, is especially impressive, coming in at less than 30 percent of that of a typical office/warehouse building. The secret to going so low on water? Committing to it. You need water-efficient fixtures, dual-flush toilets, waterless urinals, and, perhaps most important, a landscape that needs little or no irrigation. Drought-resistant plants are obviously better for water savings than manicured lawns.

STORMWATER

Visit QBP and you'll notice several ponds and shallow rain gardens full of water-tolerant, mostly native plants. These important site features keep 3.4 million gallons of annual stormwater runoff out of nearby lakes and rivers. By allowing the stormwater to soak into the ground rather than run downstream, they also filter 95 percent of all pollutants from the water—exactly as they were projected to do.

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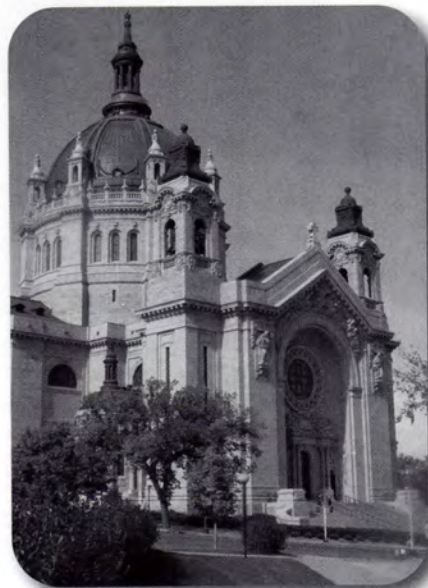
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TWOS AND THREES

With
building
projects,
there's
optimism
in numbers

If you've been reading or watching the news the past several years, you probably know that the design and construction industry has been especially hard hit by the downturn in the economy. In the face of bleak economic forecasts and dried-up credit markets, many building plans have been abandoned or postponed. But there are reasons to be hopeful in 2013. One, it's a new year, so why not embrace a little optimism? Two, buildings and building types are beginning to sprout up not in single shoots but in twos and threes. Institutions of higher learning (pages 24-33), for example, are taking advantage of low interest rates and competitive bidding to meet their growing and changing facility needs. Where condominium developments were shelved, multi-unit rental housing (34-39) is now booming. And new affordable housing (40-47) is beginning to rival the design quality of market-rate housing. Want proof? Check out the following duos and trios.

—CHRISTOPHER HUDSON



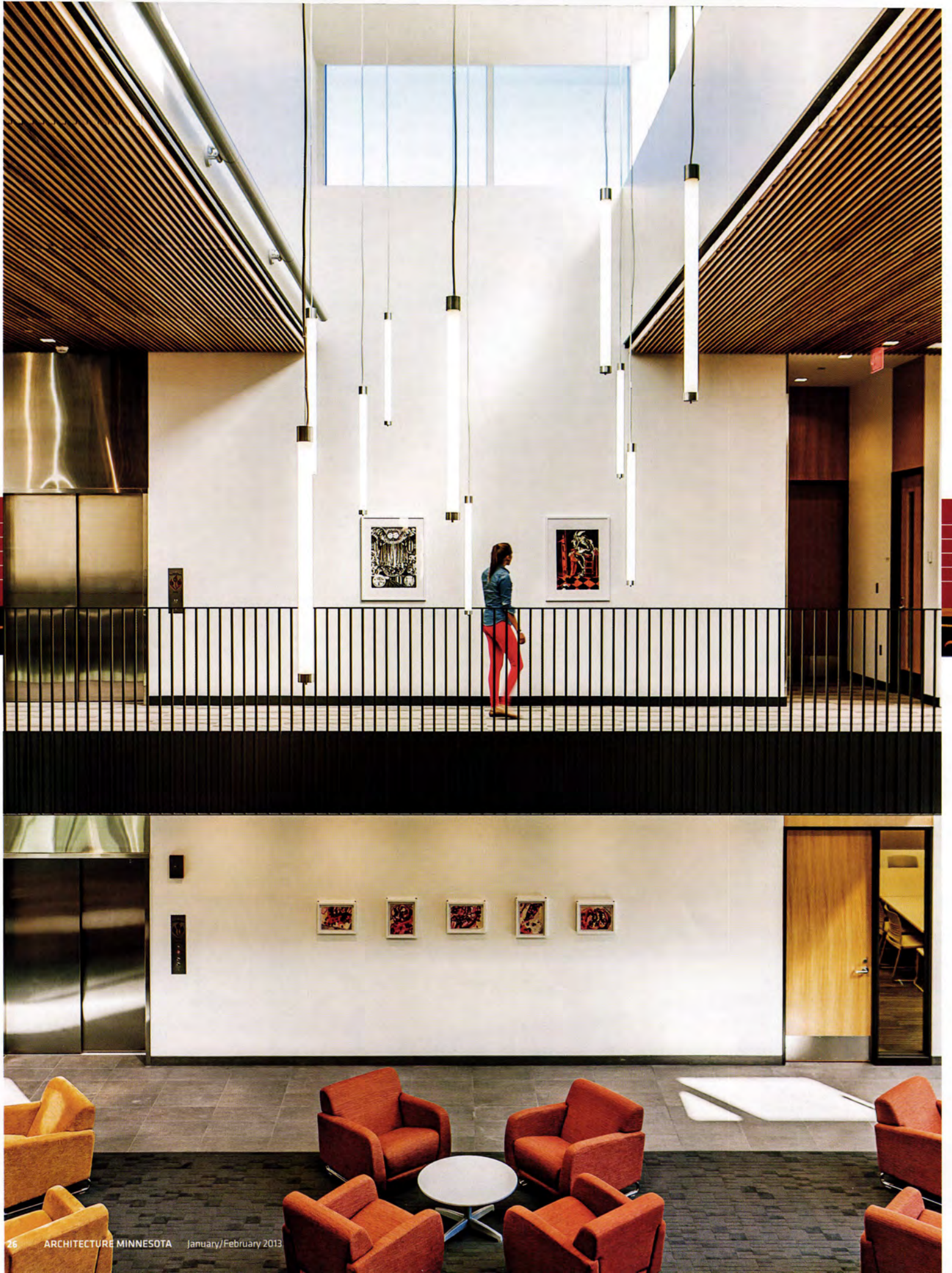
Major Lift

BY LINDA MACK

Macalester College's reconceived Music Building and Arts Commons—the **first** of a **three-phase transformation** of the Janet Wallace Fine Arts Center complex—strikes a chord with students and faculty

Sitting in the Music Building's revamped concert hall feels like sitting inside a musical instrument. The undulating ribbons of oak slats create a top-notch acoustical environment that can be "tuned" by adjusting curtains hidden behind them. The exterior's bronze-colored slats (opposite) echo their rhythm.







A judicious use of wood lends visual warmth to the airy Arts Commons at the heart of the Janet Wallace Fine Arts Center, while clerestories (opposite) bring in natural light and interior windows help activate the space. The goal: to make the arts complex a magnet for the whole campus.

JANET WALLACE FINE ARTS CENTER

Location:
St. Paul, Minnesota

Client:
Macalester College

Architect:
HGA Architects and Engineers (HGA)
hga.com

Principal-in-charge:
Gary Reetz, FAIA

Core project team:
Tim Carl, AIA;
Steven Dwyer, AIA;
Rebecca Celis, AIA

Energy modeling:
The Weidt Group
twgi.com

Landscape architect:
HGA

General contractor:
McGough Construction

Phase One size:
94,700 square feet
(54,400 renovation,
40,300 addition)

Cost:
\$33.8 million

Completion:
August 2012

Photographer:
Paul Crosby



East Courtyard

The Janet Wallace Fine Arts Center is the Lincoln Center of Macalester College, a 2,000-student St. Paul liberal arts college. Like its more famous counterpart, the center was built in the early 1960s to house arts programs in a complex of connected buildings. And like Lincoln Center, by the mid-2000s, it was functionally and stylistically outdated.

The pared-down 1960s interior looked grim. The masonry and concrete envelope and curtain wall had failed. The arts commons that linked the four buildings was a commons in name only. And the monumental exterior was as inviting as a mausoleum.

Enter HGA Architects and Engineers in 2009. Hired to resuscitate the Music Building and Arts Commons in Phase One of a three-phase project, the HGA team, led by Tim Carl, AIA, has propelled Janet Wallace into the 21st century. With only one phase complete, the arts center has already become a campus magnet where light-filled spaces draw students from the arts and beyond.

Key to this success is the inviting Arts Commons. The original architects had the right idea: Give each art form its own building and arrange them around a central shared space. But the original one-story commons was claustrophobic. "We just blew that up and started over," says Kathy Murray, the Macalester provost



A new metal-and-glass exterior (left) and several new spaces, including rehearsal rooms and a compelling art gallery (below), give the Janet Wallace Fine Arts Center a dynamic new life.

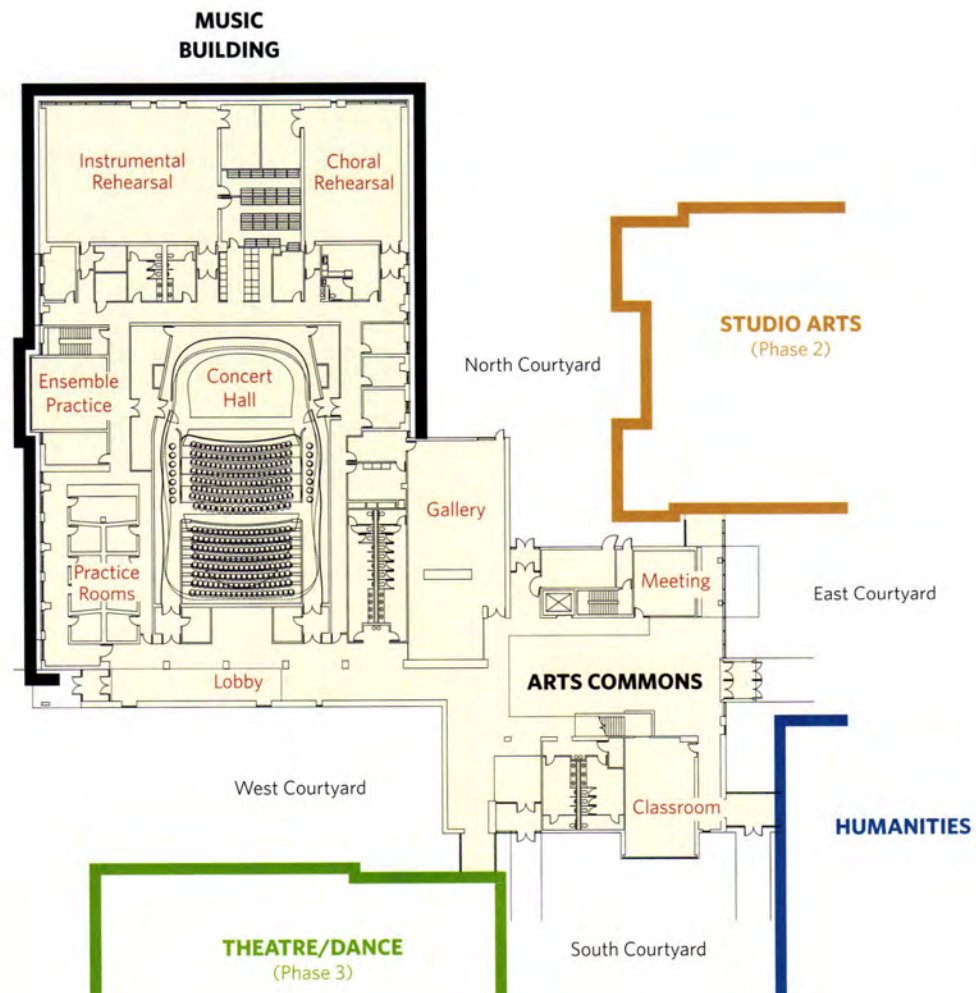


Instrumental Rehearsal



Gallery

Janet Wallace's 1960s architecture may have faded, but its classical plan of four buildings separated by courtyards and anchored by a commons provided a solid base for HGA's spirited renovation.





Phase 2: Studio Arts



PHASE TO PHASE

Early design sketches show the news: The visual arts at Macalester College will be breaking out of their current concrete-and-brick box. HGA has begun work on Phase 2 of the renovation of the college's Janet Wallace Fine Arts Center. A complete redo of and third-floor addition to the existing Studio Arts Building will provide state-of-the-art studios for drawing, painting, sculpture, ceramics, printmaking, and digital photography and design, plus an outdoor art courtyard and student gallery and lounge.

Like the recently completed Phase One renovation of the Music Building and Arts Commons, the \$20.5 million Phase 2 aims to give the arts a stronger presence on campus. A new facade of terra-cotta fins and big windows will reveal the creative activity inside and create a distinct image for the visual arts while blending with the overall complex. Construction is slated to begin in January 2013 and be completed in January 2014.



Concert Hall Lobby

who shepherded the \$33.8 million project for the administration. "What we wanted was a place where students could come out of their classrooms and talk."

Like a town square, the new commons acts as both crossroads and oasis. Clerestory boxes and the glassy east entry infuse the two-story space with light. Comfortable seating and lounges on both the main floor and mezzanine offer places to read and relax. Sightlines to the four entries provide orientation to the campus beyond. And strategically located interior windows further animate the space by allowing views into the classrooms, media viewing room, and art gallery that border the space.

The elegant two-story gallery is also new to the complex. Pure in volume and finish, the soaring space formed a perfect backdrop for the opening show by Minneapolis sculptor Harriet Bart. The gallery's location just off the main entrance from campus encourages popping in for a quick view. Its beauty invites a longer stay. "Simplicity, in the end, was exactly what was needed," says Murray.

HGA's strategy for reviving the Music Building was judicious. The core of the building—faculty offices, practice rooms, and the all-important concert hall—was kept. The north wall was pushed out to add two acoustically sophisticated rehearsal rooms with big windows. The south wall was pushed out to create a lobby and new entry for the concert hall. And the concert hall was transformed from blah to wow.

>> continued on page 50

THE UNIVERSITY OF ST. THOMAS
GIVES ITS STUDENTS
TWO MORE REASONS TO
INTERACT ON CAMPUS:
A bustling, amenities-filled
student center and a
high-energy athletic complex

SOCIAL STRUCTURES





PHOTO COURTESY OF OPUS

Left: The student center (back left) and the athletic complex (right) "bring the north and south campuses together and create a wonderful gathering space that's the heart at the center of UST," says Mark Vangsgard, the school's vice president of finance and administration. Both buildings draw students in with diverse recreation options.



JOEL KOYAMA



RYAN SIEMERS

BY CAMILLE LEFEVRE

Located in the Mac-Groveland neighborhood of St. Paul, where traditional homes along sleepy tree-lined streets house on-the-go families, the University of St. Thomas (UST) has long had a town-and-gown issue. On the college's website, the University Relations department presents a lengthy list of Neighborhood Initiatives as well as resources for reporting student disturbances; there's even an image of a fire-engine-red phone that links to instructions. Heading the list of expectations drilled into freshmen during orientation is, "Behave with civility and respect in the neighborhood."

So when it came time to develop a new student center and replace the aging athletic and recreation complex, UST was determined to create "an exciting, energizing, interactive environment for students with social and entertainment opportunities that would keep them on campus—and out of the neighborhoods," explains Mark Vangsgard, UST vice president of finance and administration.

Bowling? Dancing? Art gallery? Nail salon? UST students can now find all of these amenities and more in the new Anderson Student Center, including an array of dining and coffee options and a game room with flat screens for Wii and PS3, Xbox gaming stations, table tennis, air hockey, foosball, and pool tables.

"Keeping students on campus was a driving force for UST," echoes architect Dan Young Dixon, AIA, of Opus AE Group, the firm that served as architect, structural engineer, and design-build contractor for the school's two new buildings. "Our charge was to embed, throughout the student center, functions designed to make the building competitive with outside food, social, and entertainment venues."



JOEL KOYAMA

"Our overall purpose in designing and constructing these new buildings was to generate excitement, particularly as the costs of education increase and marketing our school becomes more competitive. These structures allow us to differentiate ourselves and drive enrollment."

—UST vice president Mark Vangsgard

Plan: The new student center defines a high-profile corner of campus that was previously a sea of surface parking, while the athletic complex takes its logical place next to the athletic field.

Bottom left: The placement of the athletic complex created an opportunity for an elevated viewing porch on the east side of the field.

CRETIN AVENUE

CLEVELAND AVENUE

Anderson
Athletic &
Recreation
Complex

Anderson
Student Center

SUMMIT AVENUE

Perhaps the student center's greatest amenity is its "living room," a soaring 3,200-square-foot atrium with a four-story elliptical staircase. The open environment provides students with "an energetic gathering space at the heart of the campus, where they can see and be seen," says Vangsgard.

Overall, Young Dixon adds, "The student center design was driven by a concept we dubbed 'energy, flow, and utilization.' We created a center that's highly efficient in terms of square footage, functions, and programs, and yet it's a 'wow' space that exudes excitement and energy and invigorates campus flow."

The other new "wow" building at UST is the adjacent Anderson Athletic & Recreation Complex. The 180,000-square-foot building reinforces the school's stay-and-play-on-campus message with an indoor track; recreational basketball, volleyball, and tennis courts; fitness, aerobics, and weight-training areas with locker rooms; and a new gym and deep-water pool for the Tommie sports teams. Its signature outdoor space is the football veranda, which provides new seating on the east side of the stadium (where no seating existed before).

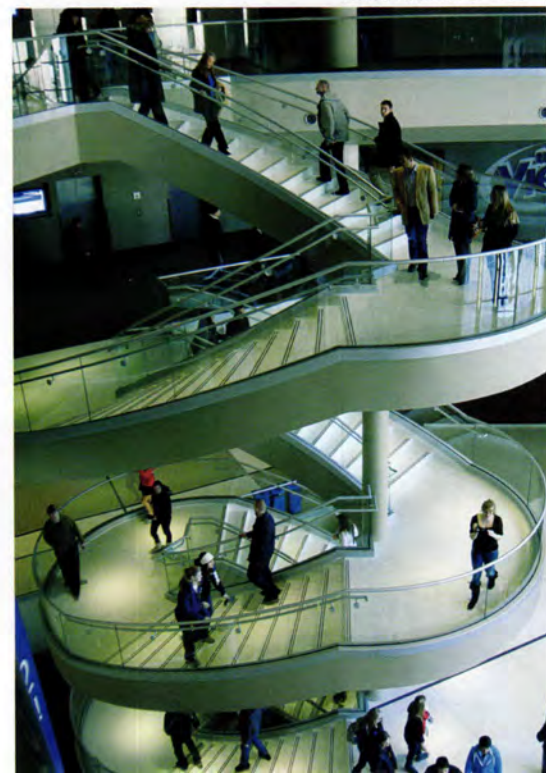
Both new buildings were designed to meet high sustainability standards, with the student center achieving LEED-Gold certification.

>> continued on page 51



JOEL KOYAMA

PHOTO COURTESY OF OPUS





FLUX



1800 LAKE ON CALHOUN



TWO NEW MINNEAPOLIS APARTMENT BUILDINGS REDEFINE LUXURY FOR A NEW ERA OF URBAN LIVING

BY COLBY JOHNSON

Ten years ago, it seemed like a new condo development was popping up on every corner in Minneapolis. Then came the housing crash, which ushered in a recession and an entirely new way of thinking. "A lot of people aren't willing to buy a house today. They don't want to be tied down to one location—they want flexibility," says architect Michael Krych, AIA, whose firm, BKV Group, specializes in luxury lifestyle housing for renters. "Lifestyle living is more than a place to live; it's a place to meet new people, create a network, and have amazing amenities."

Flux



Designed to encourage social connection, the six-story, 216-unit Flux gives renters a place to live and play.

In addition to featuring the amenities many renters have come to expect, Flux boasts an expansive, resort-like outdoor pool surrounded by cabanas, fire pits, lawn bowling, and outdoor bars.

FLUX

Two of BKV Group's newest projects in Uptown Minneapolis, 1800 Lake on Calhoun and Flux, illustrate a shift in the way people want to live in the new housing market. Conveniently situated along the Midtown Greenway in the heart of the Lowry Hill East neighborhood, Flux helps set the standard for a new kind of lifestyle living, says Brent Rogers, vice president of Greco Real Estate Development/Fremont Development Partners, LLC. In addition to featuring the amenities many renters have come to expect, such as a fitness center and flexible community spaces, the six-story, 216-unit development boasts an expansive, resort-like outdoor pool surrounded by cabanas, fire pits, lawn bowling, and outdoor bars.





The design of Flux's interior community spaces was inspired by the look and feel of some of the country's most celebrated boutique hotels.



The lobby, too, looks like something straight out of a high-end luxury hotel in South Beach. Krych and his team used an open design scheme to establish a heightened sense of activity and inclusion. From the entrance, for example, guests have clear views into the central courtyard to the pool and beyond to the 2,500-square-foot fitness center and spa. "All of the amenity spaces surround and open onto the courtyard, so you're always part of the action," says Krych. "The spaces are designed so that multiple groups of people can be participating in different activities yet simultaneously be a part of the larger community."

On the exterior, the architects used a crisp arrangement of brick, metal panel, fiber-cement panel, and cast stone to create visual interest and make the U-shaped building appear less massive. At the north end of the east and west sides of the

building, where the neighborhood transitions to single-family homes, the design team reduced the street-level scale of the building by adding two-story bays with walkouts. High above, large projecting cornices lend a bit of structural flair to the roofline; at night, they glow purple and green.

The BKV team also transformed a partial lot to the north of Flux into a neighborhood dog park to further appeal to the property's target demographic. Meanwhile, access ramps and pedestrian bridges offer residents an array of convenient paths to the Midtown Greenway and nearby shops, restaurants, and transit. "We thought a lot about how the development would work and function in the neighborhood," says Krych. "Now it's got these pedestrian corridors that create a much broader urban vision for the area."

FLUX

Location:
Minneapolis,
Minnesota

Client:
Greco Real Estate
Development

Architect:
BKV Group
www.bkvgroup.com

Principal-in-charge:
Jack Boorman, AIA

**Project lead
designer:**
Michael Krych, AIA

Energy modeling:
The Weidt Group
twgi.com

**Landscape
architect:**
BKV Group

**General
contractor:**
Frana Companies

Size:
290,000 gross
square feet

Cost:
\$26.5 million

Completion:
March 2012

Photographer:
Saari & Forrai
Photography

1800 Lake on Calhoun



To celebrate lakeside living and give 1800 Lake on Calhoun a maritime air, BKV Group used wave walls in the lobby and accented the interior with blues, whites, and greens.



1800 LAKE ON CALHOUN

About a half-mile to the west, on Lake Calhoun, Nick Walton and his partners at CPM Development also set out to create a distinctive luxury housing development. Today, the mixed-use 1800 Lake on Calhoun features 57 market-rate rental units, including walk-ups, terrace units, flats, and penthouse units ranging in size from 545 to 1,300 square feet. Its corner restaurant and cafe spills out onto the sidewalk, helping to activate the once quiet, retail-less corner, says Walton. "With this project, we wanted to create something that felt like a boutique hotel, where different age groups and income levels could enjoy living on the lake and having access to a variety of luxury amenities like the rooftop patio," he adds.

That patio, perched atop the cafe corner of the building, is home to breathtaking panoramas of Lake Calhoun, Lake of the Isles, the East Calhoun neighborhood to the south, and bustling Uptown to the east. It's small in size but not in appealing features: A fireplace, grilling stations, a bar table, a range of seating options, and an artificial turf area for lounging and sunbathing accommodate just about every use residents could have for the patio.

To break down the scale of the building, BKV designed a small, intimate courtyard for the Lake Street entry and clad the building in an energetic mix of copper, composite metal, fiber cement, and cast stone—materials chosen for their

resonance with the eclectic neighborhood. Steel balconies and large windows offer residents additional connections to their scenic and activity-filled surroundings.

"With both of these projects, we focused on creating a design that was contextual and progressive," says Krych. Is there strong market demand for this sophisticated urban mix of contemporary design and amenities? There is, if Flux and 1800 Lake on Calhoun are any indication. Both developments were full with waiting lists within months of opening. **AMN**



BKV designed a small, intimate courtyard for the Lake Street entry and clad the building in an energetic mix of copper, composite metal, fiber cement, and cast stone.

1800 LAKE ON CALHOUN

Location:

Minneapolis,
Minnesota

Landscape architect:

BKV Group

Clients:

CPM Development;
The Shelard Group

General contractor:

Weis Builders

Architect:

BKV Group
www.bkvgroup.com

Size:

93,000 gross
square feet

Principal-in-charge:

Jack Boorman, AIA

Cost:

\$9.6 million

Project lead designer:

Michael Krych, AIA

Completion:

October 2011

Photographer:

Saari & Forrai
Photography



Each of the 57 units has an open, flexible floor plan to accommodate a variety of life stages and styles.



HIGHER GROUND

Location:
Minneapolis, Minnesota

Clients:
Community Housing
Development Corporation;
Catholic Charities of St. Paul
and Minneapolis

Architect:
Cermak Rhoades Architects
www.cermakrhoades.com

Principal-in-charge:
Todd Rhoades, AIA

Project lead designers:
Todd Rhoades, AIA;
Chris Wegscheid

Project manager:
Lisa Germann, Assoc. AIA

Energy modeling:
Emanuelson-Podas
Consulting Engineers

Landscape architect:
Spencer Jones
Landscape Architect

General contractor:
Frerichs Construction

Size:
75,000 gross square feet

Cost:
\$14.4 million

Completion:
June 2012

Photographer:
Brandon Stengel,
Assoc. AIA

Building Hope

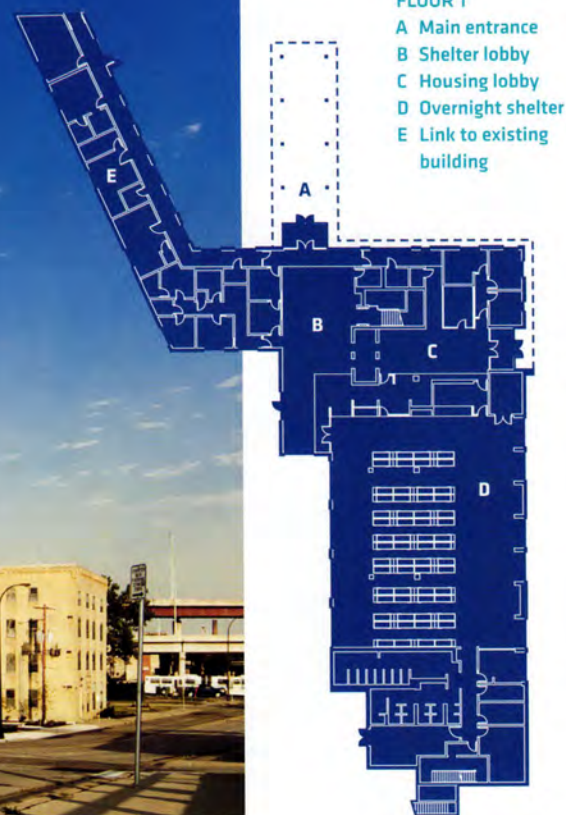
Higher Ground, an innovative new housing facility in Minneapolis, takes home the first annual Affordable Housing Design Award. Its message? That emergency and transitional housing can inspire.

BY AMY GOETZMAN

Higher Ground is strategically placed to take advantage of downtown transit and services. Yet it maintains a warm and homelike quality for its residents through its color scheme and lighting.



The building borrows from the material and color palettes of neighboring buildings to fit amiably into its urban environment.



It's a joy to design a dream home that will bring years of comfort and pleasure. But it can be even more rewarding to design a home for those whose dream is simply to have a home, or even merely shelter for the night.

Just ask Cermak Rhoades Architects. The small St. Paul firm known for its work in affordable and supportive housing (page 11) reached new heights in 2012 with Higher Ground in Minneapolis, a building designed to lift its residents up from homelessness to transitional housing and on to permanent homes.

The project posed considerable challenges for the architects, including a tight budget and an even tighter site, but the results couldn't be more uplifting. Filled to the brim with grateful clients, Higher Ground was recently named the winner of the inaugural Affordable Housing Design Award, an honor bestowed by the American Institute of Architects Minnesota and the McKnight Foundation.

Higher Ground's owners—Catholic Charities of St. Paul and Minneapolis and the Community Housing Development Corporation—developed the property with a novel idea: to combine emergency shelter and transitional and permanent housing in a single building just west of downtown, with easy access to services and transit. The first floor houses check-in, housing-assistance and healthcare services, and 171 overnight-shelter beds; the second level has 80 pay-for-stay beds

(\$7/night) with adjacent lockers. Higher up, floors three through six offer 74 private sleeping rooms with shared baths and kitchens for longer stays, and 11 affordable efficiency apartments line the top floor.

"Residents are at various stages, yet they can find what they need all in one place, and advance as they are able to within the same building and with the same support system," says Brandy



Overnight shelter: 171 beds. The space looks out onto a garden and a bike trail that passes behind the building.



FLOORS 3-6

Supportive housing: 74 single rooms



FLOOR 2

Shelter: 80 pay-for-stay beds

Brooks, director of community programs at the Food Project in Boston and one of the Affordable Housing Design Award's three jurors. "I really like that you can see evidence of that goal—to help people literally move up in life."

All three jurors—Brooks was joined by noted architects Peter Landon, AIA, of Chicago's Landon Bone Baker and Julie Eizenberg, AIA, of Koning Eizenberg Architecture in Santa Monica—admired the way Higher Ground fits neatly into its setting, fully utilizing a very tight lot without overwhelming it or the neighborhood. The building could easily have been a big boring box. But in Cermak Rhoades' hands the exterior became a lively geometric interplay of material textures and warm fall colors, with dark brick visually anchoring the base of the

building to the sloping street. Banks of recessed red picture windows add dimension and interest while bringing ample light inside.

"How a building relates to the street and the community as a whole is really important," says Landon. "So often this consideration seems to drop out of the design process when we talk about affordable housing. How does the building meet the ground, and is it on the right street, and how do you enliven it? Does it do what it needs to on the inside *and* on the outside?"

These are vital questions, the jury agreed, for communities tasked with providing emergency and affordable housing. "There's a big fear that

>> continued on page 52



FLOOR 7

Permanent housing: 11 efficiency apartments (community lounge shown here)

The combination of generous glazing and high ceilings creates an open and airy feeling in many areas of the building. And those big windows frame spectacular views.

The Next Stop

A FORMER TROLLEY SHED LEAVES BEHIND ITS INDUSTRIAL PAST TO BECOME A ONE-OF-A-KIND AFFORDABLE HOUSING COMMUNITY

TROLLEY QUARTER FLATS

Location:
Wausau, Wisconsin

Client:
MetroPlains Development, LLC

Architect:
Meyer, Scherer & Rockcastle, Ltd. (MS&R)
www.msrltd.com

Principal-in-charge:
Paul C.N. Mellblom, AIA

Project lead designer:
Paul C.N. Mellblom, AIA

General contractor:
Dave Cecil Builders

Size:
45,500 square feet
(6,000 renovated)

Construction cost:
\$5 million

Completion:
March 2012

Photographer:
Don F. Wong

In this trolley-shed unit, a mezzanine level creates space for a third bedroom while giving the apartment an expansive feel.



Community space in the trolley building retains an apartment-like feel. Outside, two pergolas—one new (left), the other adapted from a structure built to lift the tops off trolleys (below)—define sidewalk spaces.



BY AMY GOETZMAN

Once upon a time, streetcar lines crisscrossed most major American cities. Even little Wausau, Wisconsin, had a trolley system. It's long gone, of course, but one visible reminder still stands—a 1920s trolley shed that's just been granted a second life as the centerpiece of a new affordable housing complex.

The building that gave Trolley Quarter Flats its name escaped the wrecking ball when Wausau officials identified it as an ideal place to begin revitalizing a neglected part of town. The city chose MetroPlains Development, a St. Paul firm with extensive experience renovating historic properties, to redevelop the industrial site.

"When it was shown to us, it was described in context of the great site—it has river views, proximity to downtown—with the buildings having to come down. But when I saw the trolley shed, I thought, 'Wait a minute, let's not be hasty,'" says MetroPlains' Randy Schold. "I started thinking about MS&R. I knew of their experience with blending the old with the new, and I thought this site would be very appropriate for them."

Meyer, Scherer & Rockcastle principal Paul Mellblom, AIA, immediately thought the building was beautiful and worth saving. "It represents

the memory of an important era in Wausau, and we shouldn't tear places like this down," he says. "We should be rehabilitating and repurposing buildings that make our communities special and distinct."

The 42-unit complex that stands today combines an inspired renovation of the 6,000-square-foot shed with nearly 40,000 square feet of new construction. The simplicity of the long, rectangular shed—textured cast-block walls and a gable roof—are its defining features—lent itself to a modern vision for the two new wings. "We wanted the additions to look clean and modern but not cold," says Mellblom. Meanwhile, the MS&R team refreshed the landmark by repainting it a crisp white and transforming an adjacent structure that once supported a device used to lift the tops off trolleys into an eye-catching industrial pergola.

Inside, generously sized apartments and inviting communal spaces have made Trolley Quarter Flats a hit with working families and artists. Construction costs came in at only \$109 per square foot, and the building's energy-smart systems bring utility bills down for residents. "You can design a building that's really great and doesn't cost a ton of money," says Mellblom. "You just have to be thoughtful about it." **AMN**

The simplicity of the long, rectangular shed—textured cast-block walls and a gable roof—are its defining features—lent itself to a modern vision for the two new wings.



The continuation of the trolley-shed rafters into the second-floor hallway creates a reading nook for kids.

TURNING OVER A NEW LEAF

GREENLEAF APARTMENTS

Location:
Minneapolis, Minnesota

Client:
Brighton Development
Corporation

Architect:
LHB, Inc.
lhbcorp.com

Principal-in-charge:
Kim Bretheim, AIA

Project lead designer:
Kim Bretheim, AIA

Energy modeling:
The Weidt Group
twgi.com

Landscape architect:
LHB, Inc.

Construction manager:
Frana and Sons

Size:
87,000 square feet

Cost:
\$8.5 million (including
commercial and parking)

Completion:
October 2011

Photographer:
Dana Wheelock
Photography

A developer and an architecture firm transform an underutilized city corner into Greenleaf Apartments, affordable housing that works for the entire neighborhood



BY AMY GOETZMAN

Here's a tall order: Turn a quiet corner in a busy Minneapolis neighborhood into modern affordable housing that's simpatico with a neighboring Gothic-style church, complements its other historic surroundings, and relates to the street with lively ground-floor commercial space—all while making a wary neighborhood happy.

It can be done. In fact, when the LHB-designed Greenleaf Apartments was still under construction, residents at a Whittier neighborhood meeting actually applauded the project.

"There is a set perception about what affordable housing looks like," says Mark Lucas, who served as vice president of Brighton Development during Greenleaf's development and construction (he's now vice president at National Wind). "People were expecting a generic box, but LHB was able to design a building that fits the neighborhood and uses first-class materials while staying on budget."

In the 1960s, Salem English Lutheran Church added a modern wing, but the congregation subsequently shrank, and the extra space was

"strangling them," says Kim Bretheim, AIA, leader of LHB's housing studio. "Turning that corner into affordable housing was something they cared deeply about. But we wanted the larger community to feel good about it, too."

So the LHB team carefully considered density, height, strategies to share parking with Salem, and ways to make the new building relate to Lyndale Avenue without overpowering the nearby single-family homes. "We divided the building into smaller-scale facade elements to make it more interesting and approachable," says Bretheim.

Much more interesting. Brick, stone, and metal detailing, including cornice moldings and soldier coursing, give the facade texture and echo design elements found in other, older Whittier buildings. Setbacks and balconies add variety while simultaneously creating bookends for the building. "We've been working with LHB for many years—we knew they had a nice, practical design point of view, not a fleeting one," says Lucas. "This is design that will endure." **AMN**

Greenleaf needed to strike a respectful contrast with its Gothic-style neighbor while asserting a modern presence on the corner. The two buildings share parking, pedestrian infrastructure, and a stormwater management system.



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Mac Guy

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Macalester's three new buildings differ in function and style. Do they share any design goals?

I'm a big believer in the fact that architecture really does shape and inform human activity, and to the extent that we've had central priorities [with this building campaign], I think the top one has been strengthening the sense of community on campus. We had a campus master plan done in 2005, and probably the most important message that came out of that was the need for more spaces on campus that allowed for and encouraged communal gathering. So in every building we've built we've tried to make the campus a better place for student interaction.

The Leonard Center, our health and wellness and athletics complex, was the first piece of that. We wanted it to be welcoming in everything from its design to its colors, so that football players and people who work in my office and want to go over there for a circuit-training class felt equally at home. And I think we accomplished that. The building gets a remarkable number of visits per day, thanks in part to spaces that can be used for a variety of formal and informal gatherings, and we've seen an increase in the percentage of our students who say they exercise regularly.

And we tried to continue that theme through the other buildings. Markim Hall, the home of the Institute for Global Citizenship, brought offices with overlapping missions but different campus locations together in one place, and now students have a space both to meet with people and just to talk informally about civic engagement or study abroad. Janet Wallace used to be a fortress-like structure with very little public gathering space; now it's a place with lots of large windows where the arts are on display and boundaries have been eliminated. With each of these buildings we've created more opportunities for people to gather.

It looks as if the Leonard Center was designed to blend into campus and buffer Snelling Avenue, while Markim was designed to be a statement building—to stand out. Both of those observations are correct. When we sat down and did the campus master plan, we had what I would describe as an A quadrangle and a B quadrangle. The A quadrangle, the one in which my office sits, was much more developed. It had, at the time, all of the architecturally impressive buildings, and people spent all of their time there. The B campus—what we call Shaw Field and what now has the Leonard Center on its east side and Janet Wallace on its west side—really looked like a prairie. It was just

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HARMONIOUS



Macalester College, Janet Wallace Fine Arts Center, Commons Area and Mairs Concert Hall - St. Paul

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Mac Guy

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a big open space; there wasn't even a pathway that went from one building to another.

My goal was to enlarge the campus without enlarging its boundary, by making both of those areas equally inviting and inhabited. A key part of achieving that was redesigning the B quadrangle's landscape, pathways, and wayfinding. But we also needed buildings that made people want to be in that part of campus, and Leonard and Janet Wallace do just that. We chose to make the Leonard Center consonant with the buildings around it because of its location along the edge of the heart of campus.

Markim was clearly different. I won't pretend that there wasn't some difference of opinion among people, including members of our board, about the extent to which Markim should be a statement building. It's not Frank Gehry—we didn't try to design a stand-apart piece of sculpture. But it struck me that if we were ever going to be a little more daring with our architecture, a LEED-Platinum building for a global leadership institute was the place for it.

LEED-Platinum isn't easy to achieve.

What challenges did you face in getting there?

The most important thing for us was deciding at the very beginning that that's what we wanted to do. My sense is that the deeper you get into the process, the harder and more expensive it is to change direction and decide you want to do LEED-Platinum. We set that as a goal at the very beginning of the design process, and that allowed us to think about the whole building in terms of that goal—to make some important decisions early on based upon that fundamental assumption going in.

LEED-Platinum is expensive. My recollection is that we paid about a 15 percent construction premium over what we might otherwise have spent, to make Markim a Platinum building. I think we got that back on the fundraising side. Markim was fully funded by gifts, and there were people who gave gifts because it was going to be a LEED-Platinum project. So in that way the environmental statement paid for itself.

What's your favorite spot in Janet Wallace?

Probably the concert hall. It's such a beautiful and functional space. I was in there yesterday showing a young alum around when a couple of students started moving music stands in for a concert this coming weekend. They didn't know I was there, but I heard one say to the other, "This is the most beautiful concert hall I've ever been in."

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Major Lift

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Although the configuration of stage and seating is the same, the 318-seat Mairs Concert Hall bears no resemblance to its colorless predecessor. Curving ribbons of red-oak slats create warm, sensuous walls. A larger stage reaches out to the audience, which is seated in slightly curved rows. LED uplights that can change color add to the drama.

Acoustics drove the design. "We worked closely with Acoustic Dimensions," says HGA's Carl. "They wanted the space to have more volume, so we brought the rake of the seating down. The red-oak slats provide both acoustic transparency and the variety of surfaces acousticians like. Behind them is industrial metal panel and insect screen, all painted black."

In the plenum behind the screens are curtains that can be drawn all the way for absorption or stacked behind a hard wall for total reflectivity. "Acoustics is a science *and* an art," says Carl.

Project designer Steven Dwyer, AIA, an avid jazz musician, says the undulating pattern of the wood slats was inspired by the polyrhythms of Macalester's famed African Drumming Ensemble—rhythms played independently that come together coincidentally. In addition, five acoustic towers can be wheeled out from backstage to maximize projection for soloists or smaller ensembles.

On the exterior, Janet Wallace has shed its 1960s curtain wall for a new skin of brick, glass, and dark anodized aluminum panel. "It's still modernist, but there's a playfulness," says Dwyer. On the Music Building's north wall, facing campus, bronze vertical fins recall the syncopated rhythm of the wood slats in the concert hall. "It's not an obvious musical metaphor—just something that feels right," says Carl.

When the whole complex is done, each building will have a distinct exterior personality. The Studio Arts Building, which will be redone in Phase 2 starting in 2013, will have a three-story facade animated by colorful terra-cotta fins interspersed with large windows (see sidebar on page 29). The exterior courtyards will be re-landscaped in Phase 2, while Phase 3 will renovate the Theater Building and add new space for dance in the west courtyard.

Janet Wallace's 1960s architecture may have faded, but its classical plan of four buildings separated by courtyards and anchored by a commons provided a solid base for HGA's spirited renovation. That renovation has already made Macalester's arts—and architecture—soar. **AMN**

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Social Structures

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UST's strict design guidelines for its academic buildings made getting there a challenge. Predominant on campus are Collegiate Gothic-style buildings clad in Kasota limestone.

"That style limited our aesthetic vocabulary and challenged our sustainability initiatives with respect to the creation of interior spaces that maximize daylighting," says Young Dixon. The Opus team also had to adhere to the requirements of the Summit Avenue Historic District. For example, Opus was required to use clear glass rather than more-energy-efficient tinted glass "to stay in keeping with the historic vocabulary of the campus," says Young Dixon.

Still, the student center's glass atrium is flooded with natural light, which conserves energy needed for interior illumination while providing spectacular views of the campus. And the energy-smart measures deployed in the athletic complex—including energy-efficient glazing in the aquatic area and occupancy sensors throughout the building—will save UST more than \$100,000 annually.

The environmental care taken with the athletic building doesn't end there. All of the project's cast-in-place concrete—from foundations to composite decks to the veranda—contains a minimum of 15 percent fly ash. The structural steel is approximately 93 percent recycled steel scrap, while the rebar used in the cast-in-place concrete has up to 98 percent recycled content. In addition, 71 percent of the total waste from the demolition of the old athletic and recreation center was diverted from landfills through recycling or reuse.

Also contributing to both buildings' environmental performance are high-quality mechanical systems, energy-efficient lighting and building-management controls, water-saving plumbing fixtures, high R-value exterior-wall assemblies, premium-efficiency fan and pump motors, and "really thorough, detailed planning," says Young Dixon.

"Our overall purpose in designing and constructing these new buildings was to generate excitement, particularly as the costs of education increase and marketing our school becomes more competitive," adds Vangsgard. "These structures allow us to differentiate ourselves and drive enrollment. The student center and the athletic complex have created a whole new dynamic in how we build buildings at St. Thomas." **AMN**

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Mac Guy

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I'm not a trained musician. I've never claimed to have anything other than a tin ear. But even to me the quality of the acoustics is remarkable. Jazz artist Terence Blanchard and his quintet opened the hall for us. Last weekend we had the Chopin Society do solo piano music. We've had ensembles as large as about 20 pieces in there. In a city with a lot of great concert halls, I think this one takes its place as one of the best. To pull off something that's both aesthetically pleasing and acoustically flexible and effective—that's hard to beat. So I just walk into that space and feel very, very good.

And the other space is the atrium, which is a totally different experience. The concert hall is like a sanctuary: You feel a sense of peace and near spirituality in there. The atrium is where you feel the vibrancy and the life of campus. Seeing so many people there, enjoying themselves as they move through or sit in that space—that's the other part of the building that brings me a lot of joy. **AMN**

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Building Hope

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affordable housing will be poorly built," Landon continues. "And maybe in the past that was a reality. But today we realize that these must be durable, lasting buildings. They're paid for largely with public money and need to serve for many generations, so it's in everyone's best interest that they be solid, energy-efficient, and attractive."

The jury judged Higher Ground to be all three and more. The finishes and furnishings are simple, but the combination of generous glazing and high ceilings (the overhead mechanicals are mostly left exposed) creates an open and airy feeling in many areas of the building. And those big windows frame spectacular views of the farmers market, Target Field, and the downtown skyline. On the building's south-facing side, a glass-lined stairwell becomes a beacon at night, a shining symbol of the residents' upward climb.

"We as architects have an obligation to design buildings that not only provide basic shelter for those in need but also function as part of the community," Eizenberg concludes. "Kids will be raised in these communities, and when we give them a good home, we give them a better chance." **AMN**

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CLARK ENGINEERING CORP.



621 Lilac Drive North
Minneapolis, MN 55422
Tel: (763) 545-9196
Fax: (763) 541-0056
Email: info@clark-eng.com
www.clark-eng.com
Established: 1938
Total in MN Office: 30
Other Offices: Aberdeen, Brookings,
Sioux Falls, Watertown, SD
Total in Other Offices: 24
Contact: Douglas Fell, (763) 595-3115

Firm Principals

Abi Assadi, PE
Doug Fell, PE
Cory Casperson, PE
Tim LaBissoniere, PE
Vlad Scheglovski, PE
Kevin Goff, PE
Don Weigel, PE

Clark Engineering Corporation provides structural engineering, civil engineering and surveying services for commercial, educational, industrial, hospitality, and public sectors for new and existing facilities throughout the world. Clark also offers a wide-range of specialty services, including emergency response, 3D laser scanning, restoration, sustainable design, and vibration and blast-resistant structures. Civil engineering offers site development, bridge design/inspection, and highway design/pavement management.

*Austin 5-6 Intermediate School, Austin MN;
Alexandria High School, Alexandria, MN;
East Side Medical Clinic, St. Paul, MN; Ohiya
Casino and Lodge, Niobrara, NE; Klein Bank,
Big Lake, MN; State Capitol Laser Scanning,
St. Paul, MN; Mauer Chevrolet Addition,
Inver Grove Heights, MN; Metrodome Roof
Collapse Emergency Response,
Minneapolis, MN.*

CRANE ENGINEERING BUILDING SCIENCE

Crane Engineering | Building Science

2355 Polaris Lane North, Suite 120
Plymouth, MN 55447
Tel: (763) 557-9090
Fax: (763) 557-0710
Email: Stefanh@CraneEngineering.com
www.CraneEngineering.com
Established 2010
Total in MN Office: 34
Contact: Stefan Helgeson (763) 557-9090

Firm Principals

Stefan D. Helgeson, AIA, ASLA
Thomas R. Crane, PE, Principal
Mechanical Engineer

Crane Engineering Building Science uses forensic science technologies to diagnose building failures and damage due to materials, codes or contract issues. Serving legal, insurance and construction professionals with the following services: Code/Contract review, Design review and construction assessment, Building component failure analysis, Expert witness testimony, Artifact Storage. Forensic Disciplines: Architecture and Landscape Architecture, Structural, Fire Protection, Electrical, Civil, Geotechnical Engineering, Mechanical/Plumbing systems

Imaging: 3D Scanning, SEM-EDS, CT, 2D
X-ray, Materials Characterization:
Metallurgy, Plastics, Chemistry

DARG BOLGREAN MENK, INC.

7575 Golden Valley Road, Suite 210
Golden Valley, MN 55427
Tel: (763) 544-8456
Fax: (763) 544-8914
Email: info@dbm-inc.com
www.dbm-inc.com
Established 1966
Total in MN Office: 6
Contact: Harry D. Menk, PE, (763) 544-8456

Firm Principals

Gene Bolgrean, PE
Harry D. Menk, PE

continued next column

Complete structural engineering services for commercial/retail, office/warehouse, academic, industrial, governmental, medical/health, housing, religious and parking facilities. With expertise in steel, concrete, masonry and wood, DBM has engineered new construction, additions and renovations/restorations on over 7,000 projects in 23 states.

Friendship Haven Hospitality, Fort Dodge, IA; Fire Station, Shakopee, MN; St. Therese at Oxbow Lake, Brooklyn Park, MN; Sun Well (office/shop), Williston, ND; Francis Macon Deaconess Hospital Addition, Glasgow, MT; Lilydale Senior Living, Lilydale, MN; Professional Office Building, Williston, ND; MNDOT Bridge Crew Building, Maplewood, MN.

DUNHAM ASSOCIATES, INC.



50 South Sixth Street, Suite 1100
Minneapolis, MN 55402
Tel: (612) 465-7550
Fax: (612) 465-7551
Email: info@dunhameng.com
www.dunhameng.com
Established 1960
Total in MN Offices: 93
Other MN Offices: Duluth, Rochester, MN
Contact: Jay Rohkohl, (612) 465-7601

Firm Principals

Jay Rohkohl, PE, LEED AP BD+C
Steve Gentilini, PE, LEED AP BD+C
Ron Feldhaus, PE, LEED AP BD+C
Dale Holland, PE, LEED AP BD+C
Todd Grube, PE, LEED AP BD+C
Matt Jensen, PE, LEED AP BD+C
Randy Olson, PE, LEED AP BD+C
Greg Steinmetz, PE, LEED AP BD+C

Dunham offers mechanical, electrical, and low voltage consulting engineering services to our clients across the United States. Our major practice areas are commercial, education, healthcare, hospitality, mission critical, retail, and commissioning and energy services. We have teams of specialists in indoor air quality, sustainable design, LEED certification, and CFD modeling, enabling us to help our clients optimize the performance of their building systems.

continued next column

Best Buy Prototype and Store Design - Nationwide; BlueCross BlueShield of MN Data Center Upgrade - Eagan, MN; Cossetta's Restaurant Addition and Renovation - St. Paul, MN; Hamline University Anderson Student Center - St. Paul, MN; Mayo Clinic Health System, Cannon Falls Hospital - Cannon Falls, MN; MNARNG Cedar Street Armory - St. Paul, MN; Orchestra Hall Addition and Renovation - Minneapolis, MN; St. Cloud Hospital East Addition and Renovation - St. Cloud, MN.

ENGINEERING DESIGN INITIATIVE

1112 North Fifth Street
Minneapolis, MN 55411
Tel: (612) 343-5965
Fax: (612) 343-5982
Email: jhruby@edilimited.com
www.edilimited.com
Established 2002
Total in MN Office: 16
Contact: Jay Hruby (612) 343-5965

Firm Principals

Jay Hruby PE
Larry Svitak PE

EDI provides innovative M/E engineering solutions for a variety of building types. Our services include M/E engineering, building commissioning, energy modeling and daylight modeling services. EDI is committed to delivering designs that are energy efficient, maintainable and sustainable. We are passionate in our creative design, attention to detail and commitment to teamwork - from defining initial performance goals through validation by commissioning.

St. John's Abbey Guesthouse and Chapter House, Collegeville, MN; Wright County Law Enforcement Center, Buffalo, MN; St. Cloud Public Library, St. Cloud, MN; SPPS Central High School Technology Upgrade, St. Paul, MN; City of Minneapolis Water Works Maintenance Facility, Fridley, MN; Blue Earth County Law Enforcement Center, Mankato, MN

ERICKSEN ELLISON AND ASSOCIATES

305 2nd Street NW, Suite 105
New Brighton, MN 55112
Tel: (651) 632-2300
Fax: (651) 632-2397
Email: tpeterson@eeaengineers.com
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Established 1954
Total in MN Office: 19
Contact: Todd Peterson, (651) 632-2320

Firm Principals

James H. Art, PE
Terri A. Fleischhacker
Todd A. Peterson, PE
William F. Thiesse, PE

EEA is a mechanical/electrical engineering company with extensive experience in design and commissioning of - Public Projects: judicial/correctional, libraries, government, and maintenance. Commercial: medical facilities, data centers, and retail. Education: recreation centers, libraries, laboratories, dormitories, and campus centers; EEA has LEED certified engineers specializing in system modeling and innovative approaches for reducing energy consumption without sacrificing utility or comfort.

Minneapolis Central Library (design/commissioning), Minneapolis, MN; Grinnell College New Campus Center (design and LEED certification review), Grinnell, IA; MCF Faribault Campus (energy infrastructure/renovation/new buildings), Faribault, MN; Unisys NAEC Data Center (design/commissioning), Eagan, MN; Macalester College (athletic/recreation center), St. Paul, MN; Bethel University Commons, Arden Hills, MN; Eli Lilly Corporate Data Center, Indianapolis, IN

ERICKSEN, ROED AND ASSOCIATES (ERA)



2550 University Avenue West
St. Paul, MN 55114
Tel: (651) 251-7570
Fax: (651) 251-7578
Email: info@eraeng.com
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Established: 1984
Total in MN Office: 55
Other Office: Eau Claire, WI
Total in Other Office: 5
Contact: Kent Larson, (651) 414-6166

Firm Principals

Michael A. DeSutter, PE
James D. Roed, PE
William T. Buller, PE, SE
Robert J. Quinn, PE
Michael S. Steenson, PE

Ericksen, Roed and Associates, Inc. (ERA) provides full service structural engineering for a broad range of facility types. We pride ourselves on being a team of bright individuals, working toward the common goal of providing exceptional structures for our clients. We make it our highest priority to meet scheduled delivery dates with quality documents and state-of-the-art design.

Austin Medical Center - Mayo Clinic; Austin, MN; Bielenberg Sports Center Expansion; Woodbury, MN; Penn & American; Bloomington, MN; Spring Hill Suites; Deadwood, SD; Target - North Campus; Brooklyn Park, MN; U of M 4th Street Housing; Minneapolis, MN; Metro State Science Education Center; Minneapolis, MN; Wayzata Bay Center; Wayzata, MN.

GAUSMAN & MOORE ASSOCIATES, INC.

1700 Highway 36 West, Ste. 700
Roseville, MN 55113
Tel: (651) 639-9606
Fax: (651) 639-9618
Email: gmmail@gausman.com
www.gausman.com
Established 1935
Total in MN Office: 70
Other Offices: Duluth, MN; Los Angeles, CA
Total in Other Offices: 13
Contact: Mark Leutgeb, Principal, Bus. Dev., (651) 604-3141

Firm Principals

Edward L. Studniski, PE, LEED AP BD+C
James A. Keller, PE, LEED AP BD+C
D. Lane Hersey, PE, LEED AP BD+C
Robert B. Full, PE
James D. Manning III, PE, LEED AP BD+C
Dave T. Blume, PE, LEED AP BD+C
Paul D. Haslach, PE, LEED AP BD+C

We are a nationwide firm providing mechanical, electrical, plumbing, fire protection, low voltage design, and building commissioning services. Our commitment to sustainable design and high performance buildings includes four net-zero energy projects that incorporated renewable energy technologies; photovoltaics, wind power; active and passive solar, along with aggressive energy reduction technologies. Business sectors include: athletic, corporate, education, government, health care, industrial, military, mission critical, and retail.

Community Memorial Hospital, Phase II, Cloquet; Gander Mountain Stores, Nationwide; Target Stores, U.S. and Canada; Electrical Training Institute Smart Microgrid, California; St. Louis County Government Services Center, Duluth; Super One Foods, MN, WI, and MI; U.S. Army Wilderness Road Brigade Headquarters, Ft. Carson, CO (LEED Platinum Certified); Camp Ripley Education Center, Little Falls

HALLBERG ENGINEERING, INC.



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Email: rlucio@hallbergengineering.com
www.hallbergengineering.com
Established 1979
Total in MN Office: 31
Contact: Rick Lucio (651) 748-4386

Firm Principals

Joseph Hallberg, PE - CEO
Tim Rabbitts - President
Rick Lucio, PE - Vice President
Jennifer Farr, CDA - Controller
Ward Arms, PE - Elec Dept Head

Hallberg Engineering specializes in mechanical, electrical and technology design along with building analysis, recommissioning and commissioning. Our services include design of new facilities, system upgrades, reuse, remodels and retrofits. We also provide energy modeling, energy studies, recommissioning studies and energy tax deduction analysis. Our markets include K-12 schools, higher education, government, healthcare, industrial, institutional, retail, restaurants, entertainment and hospitality. We carry PE registrations in 49 states. Experience with LEED, B3, MnSCU, U of M design and commissioning projects.

Moose Lake Sexual Offenders Program Facility, Moose Lake, MN; Chanhassen High School, Chanhassen, MN; APMC Clinics, Litchfield, Marshall, New London, Willmar, MN; Andover YMCA Community Center, University of St. Thomas Anderson Student Center, St. Paul, MN; Aeropostale Stores, Nationwide; Como Town Amusement Park, St. Paul, MN; Rainforest Café, Nationwide

HGA ARCHITECTS AND ENGINEERS

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Minneapolis, MN 55401
Tel: (612) 758-4000
Fax: (612) 758-4199
Email: info@hga.com
www.hga.com
Established 1953
Other MN Office: Rochester
Total in MN Offices: 301
Other Offices: Rochester, MN; Milwaukee, WI; Sacramento, Los Angeles, San Francisco, CA; Washington DC
Total in Other Offices: 290
Contact: Julie Luers, Dir. Mktg., (612) 758-4613

Firm Principals

Paul Asp, PE, SE LEED AP (Structural)
Chuck Cappellin, PE, LEED AP (Light Industrial)
Jeff Harris, PE, LEED AP (Mechanical)
Leigh Harrison, PE, LEED AP (Electrical)
Kenny Horns, PE, LEED AP (Civil)
Craig Lemma (Developer MEP)
Doug Maust, PE, LEED AP (Infrastructure)
Cory VanHouten, PE (Mechanical)

HGA offers Civil, Electrical, Mechanical, Structural and Industrial engineering services. HGA also has specialists in commissioning, clean environments, central plants, energy saving, utility infrastructure, facility assessments, telecommunications systems, lighting and sustainable design. Our engineering teams work collaboratively with owners, stakeholders, contractors and architects to create comprehensive solutions that meet the needs of each project. With contemporary knowledge and extensive experience we deliver reliable solutions that achieve operational, aesthetic and sustainability goals with responsive, cost-effective service.

American Swedish Institute, Nelson Cultural Center - Minneapolis, MN; B.H. Whipple Federal Building Renovation - Ft. Snelling, MN; Lakewood Cemetery Garden Mausoleum - Minneapolis, MN; Minnesota State Capitol Renovation - St. Paul, MN; Olmsted Medical Center - Rochester, MN; University of Minnesota, Northrop Auditorium Renovation - Minneapolis, MN; Union Depot - St. Paul, MN; VA Battle Creek, Michigan Gas, Oil and Biomass Combined Heat and Power Plant - Battle Creek MI

KIMLEY-HORN AND ASSOCIATES, INC.

2550 University Avenue West, Ste. 238N
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Tel: (651) 645-4197
Fax: (651) 645-5116
Email: tom.lincoln@kimley-horn.com
www.kimley-horn.com
Established 1967
Total in MN Office: 89
Other Offices: 62 Offices Nationwide
Total in Other Offices: 1,646
Contact: Thomas J. Lincoln, PE
(651) 643-0453

Firm Principals

Mark Bishop, PE
Paul Danielson, PE
Gary Ehret, PE
Jon Horn, PE
Jeanne Witzig, AICP

Kimley-Horn and Associates, Inc. is a national consulting engineering and transportation firm with a growing Twin Cities office that serves private and public clients across the Midwest. Our capabilities encompass all phases of a project from early planning through construction administration. Kimley-Horn effectively integrates planning, transportation planning, traffic engineering, transit design, civil engineering, structural engineering, and environmental services to efficiently meet our clients objectives and goals.

Central Corridor LRT, Minneapolis to St. Paul, MN; Metropolitan Airports Commission, MSP International Airport, MN; Lindau Lane Grade Separation Project/ Mall of America Expansion, Bloomington, MN; The People's (Vikings) Stadium EIS, Minneapolis, MN; Penn and American Development, Bloomington, MN; Target Store, Argenta Hills, Inver Grove Heights, MN; Southdale Residential Project, Edina, MN

KRECH, O'BRIEN, MUELLER + ASSOCIATES

KRECH, O'BRIEN, MUELLER
& ASSOCIATES, INC.



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www.komainc.com
Established 1985
Total in MN Office: 16

Firm Principals

James H. Krech, PE
Brady R. Mueller, AIA, CID
Marc R. DuBois, AIA
Matthew J. Van Hoof, PE
Stephen T. Iaria, AIA
Michael J. Lisowski, PE
Brian L. Riley

Krech, O'Brien, Mueller + Associates (KOMA) offers comprehensive architectural, structural engineering and interior design services. KOMA creates inspiring, functional, people-oriented structures and spaces to meet the varied needs of a broad spectrum of organizations and industries. For more than 25 years, KOMA has maintained that open and honest communication with clients and genuine collaboration yield aesthetically pleasing, functional, inspiring, healthy places for people to live, work, play and worship.

Xcel Energy Warehouse, Prairie Island Nuclear Generating Plant, Welch, MN; Kohler Signature Store, Edina, MN; Teenage Mutant Ninja Turtles Shell Shock and Anchor Prop Rides, Mall of America; Animal Emergency and Response Center, St. Paul, MN; Thermo King Corporate Headquarters, Bloomington, MN; American Dental Partners (ADP), Hamburg, NY

LARSON ENGINEERING, INC.

Larson
Engineering

3524 Labore Road
White Bear Lake, MN 55110
Tel: (651) 481-9120
Fax: (651) 481-9201
Email: info@larsonengr.com
www.larsonengr.com
Established 1979
Total in MN Office: 55
Other Offices: Scottsdale, AZ; Atlanta, GA; Chicago & Naperville, IL; St. Louis, MO; Omaha, NE; Bismarck, ND; Appleton & Milwaukee, WI
Total in Other Offices: 140
Contact: Kesh Ramdular, PE (651) 481-9120

Firm Principals

Lee Granquist, PE
Kesh Ramdular, PE
Henry Voth, PE

Founded in 1979, Larson Engineering specializes in structural, civil, cladding, and façade renovation services. Our structural experience includes new designs and remodels for industrial, commercial, retail, religious and residential facilities; as well as, materials handling systems and plant expansions. Our civil engineering expertise includes not only site design, but also pavement maintenance management programs, rehabilitation services, and athletic facility engineering services. We also excel in exterior cladding, curtain and masonry wall renovation, and lifeline anchor inspections.

Vertical Endeavors Climbing Wall - Minneapolis, MN; Philadelphia Family Courthouse Thermal Analysis - Philadelphia, PA; Project One - Greenville, SC; Three Constitution Square - Washington, DC; Centennial Sr. High School Turf Field - Circle Pines, MN; Park Center Sr. High School Tennis Courts - Brooklyn Center, MN; Cambridge-Isanti High School Track - Cambridge, MN

LHB, INC.

21 West Superior Street, Suite 500
Duluth, MN 55802
Tel: (218) 727-8446
Fax: (218) 727-8456
Email: Rick.Carter@LHBcorp.com
www.LHBcorp.com
Established 1966
Total in MN Office: 200
Contact: Rick Carter (612) 338-2029

Firm Principals:

William D. Bennett, PE
Joseph D. Litman, PE
Jay B. Bergman, PE
Timothy E. Korby, PE, LEED AP BD+C
Thomas R. Cook, PE
Daniel A. Heldt, PE
David T. Williams, PE, LEED AP O+M
David Sheedy, PE

LHB is a multi-disciplinary engineering, architecture, and planning firm known for our design leadership and loyalty to our clients. We go beyond good intentions and focus on measurable performance. We are experts in: public works, pipeline, industrial, housing, healthcare, government, education, and commercial design. Our Performance Metrics includes sustainable design, commissioning, and recommissioning services. LHB is dedicated to being environmentally responsible, reducing long term operating costs, and improving the quality of life for our clients.

Boise Number 1 Secondary Clarifier, International Falls, MN; MnDOT Blatnik Bridge Painting: between Duluth, MN and Superior, WI; MnDOT TH169 Continuous Reinforced Concrete Pavement, Chisholm, MN; Second Street Reconstruction, Duluth, MN; Red Lake Falls Wastewater Treatment Plant, Red Lake Falls, MN; Enbridge Southern Access Southern Lights Stage Two; Delevan, WI to Flanagan and Streator, IL; Victory Memorial Drive, Minneapolis, MN; MnANG Enhanced Commissioning, Arden Hills, MN

LKPB ENGINEERS, INC.



LKPB ENGINEERS, INC.

1935 West County Road B2, Suite 300
St. Paul, MN 55113
Tel: (651) 633-1223
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Email: karla.sampson@lkpb.com
www.lkpb.com
Established 1969
Total in MN Office: 42
Contact: Karla Sampson (651) 288-6110

Firm Principals

Peter A. Potvin, PE
Gayland J. Bender, PE
John M. Killeen, PE
Michael A. Westemeier, PE
Allen V. Theisen, PE

LKPB Engineers, Inc. (LKPB) is a mechanical and electrical consulting engineering firm founded in 1969. The firm provides services to clients in the education, healthcare, corporate, commercial, historical, recreational and government environments. Services include design phase, master planning, construction documentation, construction administration and commissioning.

Gustavus Adolphus College Nobel Hall Addition, St. Peter, MN; St. Paul College Science Building, St. Paul, MN; Minnesota State University Mankato Preska Hall, Mankato, MN; Metropolitan State University Science Building, St. Paul, MN; Governor's Residence Renovation, St. Paul, MN

MATTSON MACDONALD YOUNG, INC.



901 North 3rd Street, Suite 100
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Tel: (612) 827-7825
Fax: (612) 827-0805
Email: Stephanie@mattsonmacdonald.com
www.mattsonmacdonald.com
Established 1983
Total in MN Office: 13
Contact: Stephanie J. Young, PE
(612) 827-7825

continued next column

Firm Principals

David H. Macdonald, PE
Stephanie J. Young, PE
Joe A. Cain, PE

Mattson Macdonald Young is a full-service structural engineering firm providing innovative and economical design for a wide range of building types and sizes. With expertise in wood, light gauge, structural steel, concrete and masonry, our engineers collaborate with clients on everything from residential renovations to public sculptures to multi-million dollar high rises. Our history of client satisfaction is evident in our many long-standing relationships with architects, contractors, homeowners and other clients.

Higher Ground Building, Minneapolis MN; Hmong Academy Addition, St. Paul, MN; Emanuel Housing, Minneapolis, MN; MnDOT Maintenance Facility, Maple Grove, MN; Pillsbury "A" Mill Design/Development Package, Minneapolis MN; The Chambers Hotel, Minneapolis, MN; Lyndale Green Housing, Minneapolis, MN; "Homes by Architects" Tour, Multiple Residences

MCCONKEY JOHNSON SOLTERMANN, INC.

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St. Paul, MN 55105
Tel: (651) 698-5626
Fax: (651) 698-5628
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www.mjs-inc.net
Established 1978
Total in MN Office: 5
Contact: Richard W. Johnson,
(651) 698-5626

Firm Principals

Richard W. Johnson, PE
Christian Soltermann, PE

Structural engineering consulting services for commercial, industrial, institutional and residential projects. Expert structural engineering forensic services and assessments of existing structures. Our office stresses cooperation, communication, and providing clear and concise structural direction and opinions.

continued next column

Worthington Event Center, Worthington, MN; Oak Park Community Church, Blaine, MN; Comfort Inn & Suites, Worthington, MN; Schmidt Brewery Redevelopment, St. Paul, MN; St. Croix Regional Medical Center, Lindstrom, MN; Frenchman Place II, Hugo, MN; Central Motors, North Branch, MN; Taco Bell, several locations, MN

MEYER, BORGMAN JOHNSON

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Tel: (612) 338-0713
Fax: (612) 337-5325
Email: info@mbjeng.com
www.mbjeng.com
Established 1955
Total in MN Office: 52
Other Offices: Duluth, MN; Phoenix, AZ; Green Bay, WI; Des Moines, IA
In Other Offices: 22
Contact: Daniel Murphy (612) 604-3604

Firm Principals

Daniel E. Murphy, PE
Michael J. Ramerth, PE
Jerod J. Hoffman, PE
Brion P. Szwed, PE, LEED AP
Jason D. Pederson, PE
Matt E. Thomas, PE, SE

Thorough, responsive, and creative structural design and engineering for all building types. Providing design solutions that fulfill the architectural vision while maintaining constructability and value to the owner. Services include design, analysis, feasibility studies, construction documents, field observation, special inspections, forensics, ramp condition surveys, preservation engineering, fabricator services, integrated steel design and detailing, and more.

Amplatz Children's Hospital, Minneapolis, MN; University of Minnesota Physics and Nanotechnology Center, Minneapolis, MN; ASU Business School, Tempe, AZ; Duluth Airport Terminal, Duluth, MN; Minnesota Orchestra Hall, Minneapolis, MN; St. Cloud Hospital Addition, St. Cloud, MN; Carleton College Weitz Center for Arts, Northfield, MN; Faribault Woolen Mill, Faribault, MN

MICHAUD COOLEY ERICKSON

333 South Seventh Street, Suite 1200
Minneapolis, MN 55402
Tel: (612) 339-4941
Fax: (612) 339-8354
www.michaudcooley.com
Established 1946
Total in MN Office: 130
Contact: Angela Bristow, (612) 673-6964

Firm Principals

Dean Rafferty, PE, LEED AP
Douglas Cooley, PE, LEED AP
Joseph Tennyson

Michaud Cooley Erickson has provided consulting engineering services for over 65 years. With a team of over 125, we are the largest consulting engineering firm in the region. In addition to mechanical and electrical engineering, we have specialists in fire protection, lighting design, low-voltage/technology systems and commissioning. Our primary markets include aviation, corporate, cultural/special use, education, healthcare, high-tech, public, retail and mission critical sectors.

Metropolitan Airports Commission, Minneapolis/St. Paul International Airport; University of Minnesota 4th Street Residence Hall, Minneapolis; General Mills, MN; Valspar Renovation, Minneapolis; Target, Multiple Locations; Hennepin County Interchange, Minneapolis; Confidential Tier IV Data Center (financial client), KS.

REIGSTAD & ASSOCIATES, INC.

192 West 9th Street
St. Paul, MN 55102
Tel: (651) 292-1123
Fax: (651) 292-9565
Email: greigstad@reigstad.com
www.reigstad.com
Established 1979
Total in MN Office: 25
Other Office: Gulfport, MS
Total in Other Office: 1
Contact: Gordon H. Reigstad (651) 292-1123

Firm Principals

Gordon H. Reigstad, PhD, PE, SE
Charles R. Ashton, PE
Yendranata, PE

Reigstad & Associates provides structural engineering design, parking consultation, precast engineering and construction inspection services to clients throughout the United States. We offer alternate design options, consider the availability of material and labor to make sure requirements are met in a timely and cost-effective manner. Our Parking Consulting team provides full service parking consulting including parking analysis, functional/conceptual design, wayfinding design, documentation and project management. The Precast Engineering Department provides precast engineering and shop drawings to produce precast components.

Potawatomi Hotel & Parking Garage, Milwaukee, WI; Deephaven Woods Senior Housing, Deephaven, MN; Stanhope Parking Ramp, Raleigh, NC (precast design engineering); Orono Professional Building, Orono, MN; Diamondhead Medical Office Building, Diamondhead, MS; Hemingway Resort & Casino, Gulfport, MS; Park Nicollet Orange Garage Signage Study, St. Louis Park, MN; Metropolitan Marketplace (precast design engineering)

SEBESTA BLOMBERG

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Email: jnelson@hotmail.com
www.sebesta.com
Established 1994
Other MN Office: Rochester
Total in MN Office: 90
Other Offices: Arlington, VA; Atlanta, GA; Austin, TX; Boston, MA; Cedar Rapids, IA; Chicago, IL; Dallas, TX; Fargo, ND; Houston, TX; Philadelphia, PA; Raleigh, NC; West Palm Beach, FL
Total in Other Offices: 110
Contact: Jessica Nelson, (651) 634-7337

Firm Principals

Rob Costello
Randy Thompson, PE QCP
Randy Lorenz, PE
Steve Halsted, PE LEED AP
Todd Gilles, CPA, MBA

Sebesta Blomberg is a nationally-recognized provider of full-service engineering and design services. We promote collaborative and sustainable solutions that are designed to promote occupant comfort, improve efficiency, reduce operational costs, and ultimately enhance client effectiveness. We create exceptional built environments that meet the most complex of challenges.

Pentagon Renovation, Washington, DC; BRAC 133 Construction, Arlington, VA; TMH Research Institute, Houston, TX; U of Massachusetts Central Heating Plant, Amherst, MA; U of MN CMRR Addition, Minneapolis, MN; NCSU Cogeneration Plant, Raleigh, NC; Department of State Embassy Commissioning, Veteran's Affairs, Medical Centers

**SHORT ELLIOTT
HENDRICKSON INC. (SEH)**

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Email: trustedadvisor@sehinc.com
www.sehinc.com
Established 1927
Other Offices: Brainerd, Duluth, Grand Rapids, Hutchinson, Mankato, Minnetonka, St. Cloud, Virginia, Worthington MN; Appleton, Chippewa Falls, La Crosse, Madison, Milwaukee, WI
Contact: Lora Grgich, (800) 325-2055

Firm Principals

Sam Claassen, CEO/President, PE
Lora Grgich, AIA, LEED AP
Larry Koch, AIA
Gayle Mack, Associate AIA
Bob Kost, ASLA, LEED AP
Trevlor Frank, AIA, LEED AP
Jeff Pederson, AIA
Bobby Long, AIA, LEED AP

SEH is a full-service professional services firm comprised of 550 engineers, architects, planners, and scientists. Our purpose is Building a Better World for All of Us™, we do this by providing civil, environmental, transportation, drinking water, wastewater, and structural engineering; funding acquisition; planning and landscape design; architectural design; surveying, and technology and GIS services. We've been in business for 85 years and serve public and private clients from more than 30 offices across the Nation.

Hoyt Lakes Public Safety Facility, Hoyt Lakes, MN; East Metro Fire Training Facility, Maplewood, MN; Murray County Sheriff's Office, Murray County, MN; Clear Lake Fire Station, Clear Lake, IA; Shanz Hall Remodel, St. Peter, MN; Cannon Falls Library, Cannon Falls, MN; AMSOIL Addition, Superior WI; Cambridge Wastewater Treatment Plant, Cambridge, MN.

SUMMIT FIRE CONSULTING

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Email: dpicciano@summitfire.com
www.summitfire.com/fire_consulting
Year Established: 2003
Contact: Dan Picciano (651) 251-1872

Firm Principals

Dan Picciano, PE CFPS
Lewis Anderson, PE CFPS
Dean Howard, PE
Ryan Bierwerth, PE CFPS

Building and fire codes, smoke management, means of egress, fire sprinklers, fire alarms, hazardous materials, and structural fire protection. Construction types and uses include assembly, commercial, educational, governmental, health care, historical, industrial, manufacturing, military, residential, university, and warehouse. Most projects are in the Upper Midwest, but we travel with our clients.

BH Whipple Federal Building; Fort Snelling, MN; 3M Project Community; Maplewood, MN; Urban Outfitters Building 18; Philadelphia, PA; Radisson Blu Hotel at Mall of America; Bloomington, MN; Great Northern Midstream Rail Facility; Billings County, ND; St. Cloud Hospital (Addition); St. Cloud, MN; UnitedHealth Group East Building; Minnetonka, MN; Optum Health Performance Based Design Evaluation; Eden Prairie, MN

TKDA



444 Cedar Street,
Suite 1500
St. Paul, MN 55101
Tel: (651) 292-4400
Fax: (651) 292-0083

Email: Vicki.snowden@tkda.com
www.tkda.com
Established 1910
Total in MN Offices: 185
Other Offices: Duluth, MN; Chicago, IL;
Irvine, CA; Tampa, FL; Kansas City, KS
Total in Other Offices: 30
Contact: Vicki Snowden (651) 292-4476

Firm Principals

William E. Deitner, PE
Thomas S. Stoneburner, PE
Kevin R. Cullen, PE
Kenneth D. Johnson, AIA
John W. Ahern, PE
Larry D. Bohrer, PE
Bret M. Farmer, PE
Christine A. Wiegert

Single Source, Multi Disciplinary firm serving clients in the following markets: Corporate/Industrial; Higher Education; K-12 Schools and Community and Technical Colleges; Government; and Energy Services. Services include: Mechanical, Electrical, Structural, and Civil/ Site Engineering; and Architecture, Interiors, and Landscape Architecture. Systems: Structural and Architectural Building Systems; Boiler and Chiller, Process Piping, HVAC, Plumbing, and Fire Protection; Power Distribution, Lighting, Fire Alarm, Security, Instrumentation and Controls; Access Roads, Rail, Parking Lots, Utilities, Water Supply, Water & Wastewater Treatment.

3M Company - Various Projects; Nationwide; Flint Hills Resources, Lab Addition; Rosemount, MN; Xcel Energy, Various Projects; MN & WI; St. Paul Public Schools; 65 Kellogg Plumbing and Piping Replacement, St. Paul, MN; Riverland Community College, Electrical Service Upgrades; Austin, MN; St. Paul College, Parking Ramp; St. Paul, MN; Three Rivers Park District, Baker Park Pavement Rehabilitation and Water Quality Improvements; Medina, MN; Metro Transit LRT Operations and Maintenance Facility Expansion Geothermal System; Minneapolis, MN.

VAA, LLC

2955 Xenium Lane North, Suite 10
Plymouth, MN 55441
Tel: (763) 559-9100
Fax: (763) 559-6023
Email: shuey@vaaeng.com
www.vaaeng.com
Established 1978
Total in MN Office: 96
Other Office: Hutchinson, KS
Total Other Office: 2

Firm Principals

Scott A. Stangeland, PE
Keith W. Jacobson, PE
Kelsey F. Brown, PE, SE
Mark D. Mielke, PE
Jeffrey J. Schrock, PE
Bernie Jansen
Shawn Shahriar, PhD, PE
David Olheiser, PE

VAA, LCC (Van Sickle, Allen) is committed to meeting the expectations of our clients, providing collaborative thinking, proactive communication, innovative solutions, and unparalleled service and support. We provide structural and civic engineering services for mission critical, commercial, corporate, retail, hospitality, education, civic, healthcare, multi-family housing, mixed use, industrial, senior housing, government, and parking facilities.

Veteran's Administration, Minneapolis, MN;
Polar Semiconductor, Bloomington, MN;
Hazelton National Golf Club, Chaska, MN;
Target Corporation, Nationwide; Sydney Hall, Minneapolis, MN; Wilderness Road Complex BBHQ, Fort Carson, CO; Parkview/Jackson Elementary, Champlin, MN; Roseville Fire Station, Roseville, MN

WENTZ ASSOCIATES, INC.

7225 Ohms Lane, Suite 160
Edina, MN 55439
Tel: (952) 831-1180
Email: info@wentzassoc.com
www.wentzassoc.com
Year Established: 1977
Total in MN Office: 8

Firm Principals

Tom Wentz, PE
Larry Justin, PE

Wentz Associates is a Mechanical Engineering design firm with a broad range of project experience including athletic clubs, churches,

continued next column

commercial buildings, due diligence investigations, educational, energy conservation studies, medical facilities, industrial/manufacturing facilities, laboratories, landfill power generation facilities, maintenance buildings, municipal/airport facilities, senior housing, office buildings, postal facilities, prison facilities, restaurants, sewage/ water treatment, facilities, technical advisory services, and warehouses. Many of our projects involve renovation, remodeling and mechanical equipment replacement.

Special School Dist. 1, Minneapolis; North Memorial Health Center; Buffalo Wild Wings; United States Postal Service; Hennepin County Libraries; Burger King Restaurants; Litchfield Fire and Rescue; Carlton College Housing

WESTWOOD PROFESSIONALS SERVICES

7699 Anagram Drive
Eden Prairie, MN 55344
Tel: (952) 937-5150
Fax: (952) 937-5822
www.westwoodps.com
Established 1972
Total in MN Office: 100
In Other Offices: 101
Other Offices: Overland Park, KS; Portland, OR; Houston, Dallas and Midland, TX; Loveland, CO; Scottsdale, AZ
Contact: Karen Amundson, (952) 937-5150

Firm Principals

Jason McCarty, PE
Michele Caron, PE
Daniel Parks, PE
Dale Beckmann
Miles Lindberg, RLA
Paul Schroeder, RLA
Daren Laberee, RLA
Nathan Franzen

Westwood provides comprehensive sustainable solutions to land and energy development projects nationwide. Our services include land surveying, aerial mapping and LiDAR, GIS, civil engineering, electrical engineering, siting & land rights, planning, environmental, cultural resources, landscape architecture, transportation engineering, visualization, construction management, and NPDES and SWPPP compliance.

continued next column

Trillium Woods Retirement Community, Plymouth, MN; Mill & Main Luxury Apartments, Minneapolis, MN; Crosstown Medical Office, Edina, MN; Monticello Downtown Revitalization Plan, Monticello, MN; Metro Ford, Eden Prairie, MN; Minneapolis Convention Center Solar Farm, Minneapolis, MN; Lyndale Station, Richfield, MN; Orchestra Hall Expansion, Minneapolis, MN.

WIDSETH SMITH NOLTING

WIDSETH SMITH NOLTING

7804 Industrial Park Road
Baxter, MN 56425
Tel: (218) 829-5117
Fax: (218) 829-2517
www.WidsethSmithNolting.com
Established 1975
Other MN Offices: Alexandria, Bemidji, Crookston, Red Wing, Rochester
Total in MN Offices: 178
Other Offices: Grand Forks, ND
Total in Other Offices: 13
Contact: Timothy Moe, PE, President, (320) 762-8149

Firm Principals

Timothy Moe, PE
Tim Schoonhoven, PE
Dave Kildahl, PE
Donald Anderson, PE
Greg Boppre, PE
Neil Britton, PE
Curt Meyer, PE
Kevin Wernberg, PE

WSN is a fully-integrated engineering, architecture, land surveying, and environmental services firm. Our engineering group includes civil engineering - primarily site design; municipal and water resources; structural, project specific, industrial, and bridges; and mechanical/electrical, HVAC, plumbing, and lighting. Our complete team of over 175 employees solves a variety of design and construction challenges from planning through construction.

Essentia Health St. Joseph's Baxter Clinic, Baxter, MN; Wadena High School, Wadena, MN; Sanford Center, Bemidji, MN; Crow Creek Tribal School, Stephan, SD; US Fish & Wildlife Service Arrowwood National Wildlife Refuge, Pingree, ND; Diamond Lake Road Bridge, Minneapolis, MN; Paul Bunyan Trail Bridge, Bemidji, MN; Safe Routes to School, East Grand Forks, MN.

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

Janet Wallace Fine Arts Center

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Location: St. Paul, Minnesota
 Client: Macalester College
 Architect: HGA Architects and Engineers
 Principal-in-charge: Gary Reetz, FAIA
 Project lead designer: Tim Carl, AIA
 Project designer: Steven Dwyer, AIA
 Project manager: Rebecca Celis, AIA
 Project team: Rebecca Krull-Kraling, AIA; Jamie Milne Rojak, AIA; Tim Carlson, AIA; Justin Bice; Jesse Zeien; Adam Luckhardt, AIA; Doug Gerlach, AIA; Ross Altheimer; Erica Christenson; Robert Johnson Miller
 Energy modeling: The Weidt Group
 Structural and civil engineer: BKBM Engineers
 Mechanical and electrical engineer: Michaud Cooley Erickson
 Lighting design and theater consultant: Schuler Shook
 Interior design: HGA
 Acoustician: Acoustic Dimensions
 Construction manager: McGough Construction
 Landscape architect: HGA
 Mechanical contractor: Metropolitan Mechanical Contractors
 Electrical contractor: Peoples Electric
 Architectural metal panels: MG McGrath
 Face brick: Glen-Gery Brick
 Flooring systems/materials: Floors by Beckers
 Ceramic tile: CD Tile & Stone
 Window systems: Twin City Glass
 Millwork: Aaron Carlson
 Drywall and stucco: Custom Drywall
 Structural steel: Metro Manufacturing

Doors and hardware: Twin City Hardware
 Theatrical equipment: Secoa
 Landscaping: Artega
 Photographer: Paul Crosby

Anderson Student Center and Anderson Athletic & Recreation Complex

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Location: St. Paul, Minnesota
 Client: University of St. Thomas
 Architect: Opus AE Group, Inc.
 Principal-in-charge: Ed Gschneider, AIA
 Project lead designer: Dan Young Dixon AIA
 Structural engineer: Opus AE Group, Inc.
 Interior design: Opus AE Group, Inc.
 Opus Design Build, LLC project team: Craig Larson; Jeff Mertens; Beth Duyvejonck; George Parrino; George Myhre; Greg Swanson; Jack Puncoschar
 Energy modeling: The Weidt Group
 Mechanical engineer of record: Hallberg Engineering
 Design-build subcontractor: Metropolitan Mechanical Contractors
 Design-build subcontractor: API Electric
 Civil engineer: McCombs Frank Roos Associates
 Landscape architect: Damon Farber Associates
 Concrete work: Opus Design Build, LLC
 Stone: Vetter Stone
 Paint and wall covering: Rainbow Painting
 Photographer: Joel Koyama Photography

Student Center

Project architect: Joe Rademacher, AIA
 Design collaboration: Shepley Bulfinch
 Opus AE Group, Inc. project team: Tom Bailey; Steve Kovalik, AIA; Jeff Magnuson, AIA; Joel Prater; Greg Hawkins, AIA; Jennifer Koehler; Katie Pope, Assoc. AIA; Elizabeth Fischer; Ben Nix; Leslie Binek; Mike Lederle
 Additional energy modeling: Hallberg Engineering
 Electrical engineer of record: Sebesta Blomberg & Associates, Inc.
 Architectural precast stone: International Concrete Products, Inc.
 Terrazzo, ceramic tile, and epoxy flooring: Twin City Tile & Marble

Carpet/resilient flooring: Acoustic Associates
 Window systems: Interclad Inc.
 Food service design: Robert Rippe & Associates
 Food service equipment: Boelter Contract & Design
 Wood ceilings: Architectural Sales of Minnesota, Inc.
 Bowling center equipment: QubicaAMF Worldwide
 Signage: Archetype
 Demolition, earthwork, and site utilities: Carl Bolander & Sons Company
 Landscape and irrigation: North Metro Companies, LLC; Prescription Landscape, Inc.
 Steel fabricator: LeJeune Steel
 Steel erection: Danny's Construction Company, Inc.
 Roofing and sheet metal: Dalco Roofing & Sheet Metal, Inc.
 Acoustical ceiling and panels: Twin City Acoustics
 Lockers: Wenger Corporation; W.L. Hall Company; Olympus Lockers & Storage Products, Inc.
 Elevator: ThyssenKrupp
 Fire sprinkler: Viking Automatic Sprinkler Co.
 Low voltage: Collins Electric

Athletic & Recreation Complex

Project architects: Pete Lewis, AIA; Bill Beyer, FAIA
 Opus AE Group, Inc. project team: Jeff Magnuson, AIA; Joel Prater; Jennifer Koehler; Katie Pope, Assoc. AIA; Elizabeth Fischer; Doug Woolf; Ewa Banasikowski; Kevin Heap; Leslie Binek; Mike Lederle
 Electrical engineer of record: Hallberg Engineering
 Architectural precast stone: American Artstone
 Terrazzo and ceramic tile flooring: Twin City Tile & Marble; Viking Terrazzo
 Athletic flooring: Kiefer
 Specialty flooring: Athletic Performance Solutions
 Carpet/resilient flooring: Commercial Flooring Systems
 Window systems: Brin Contract Glazing
 Earthwork and site utilities: Frattalone Companies, Inc.
 Landscape and irrigation: North Metro Companies, LLC
 Interior photographer: Ryan Siemers, Assoc. AIA

Flux and 1800 Lake on Calhoun

Page 34

Location: Minneapolis, Minnesota
 Architect: BKV Group
 Principal-in-charge: Jack Boorman, AIA
 Project lead designer: Michael Krych, AIA
 Project manager: Mathew Nugent, AIA
 Structural, mechanical, and electrical engineer: BKV Group
 Civil engineer: RLK Incorporated
 Interior and lighting design: BKV Group
 Landscape architect: BKV Group
 Stone: Arriscraft Cast Stone
 Photographer: Saari & Forrai Photography

Flux

Client: Greco Real Estate Development
 Project architects: Gretchen Camp, AIA; Eric DeYoung, AIA; Doug DeVos
 Project team: Tom Daszkiewicz; Joel Otto
 Energy modeling: The Weidt Group
 General contractor: Frana Companies
 Face brick: Sioux City Brick
 Cabinetwork: Mid-Continent
 Flooring systems/materials: Mannington; Lamett; Schluter-Rondec; Back Bay; US Ceramic Tile; RBC Tile
 Window systems: Gerkin; Minneapolis Glass Company
 Architectural metal panels: Alpolic
 Concrete work: Kelleher
 Millwork: Damschen Wood

1800 Lake on Calhoun

Clients: CPM Development, The Shelard Group
 Project architects: Gretchen Camp, AIA; Michael Moeller
 Project team: Greg Metz
 General contractor: Weis Builders
 Cabinetwork: Smart
 Flooring systems/materials: Shaw; Masland; Amtico; Mirage; Schluter-Rondec; Riverock
 Window systems: Traco
 Architectural metal panels: Alucobond; Firestone UNA-CLAD
 Millwork: Builders Millwork, Inc.

CORRECTION

In the caption on page 17 of the previous issue, we incorrectly described Rick Carter, FAIA, as the president of LHB and the leader of the firm's Minneapolis office. Carter's actual title is senior vice president. Bill Bennett is the firm's president and CEO, and Michael Fischer, AIA, leads the Minneapolis office.

Higher Ground

Page 40

Location: Minneapolis, Minnesota
 Clients: Community Housing Development Corporation; Catholic Charities of St. Paul and Minneapolis
 Architect: Cermak Rhoades Architects
 Principal-in-charge: Todd Rhoades, AIA
 Project lead designers: Todd Rhoades, AIA; Chris Wegscheid
 Project manager: Lisa Germann, Assoc. AIA
 Project team: Todd Rhoades, AIA; Terri Cermak, AIA; Chris Wegscheid; Lisa Germann, Assoc. AIA; Matt Finn, Assoc. AIA
 Structural engineer: Mattson Macdonald Young
 Energy modeling and mechanical and electrical engineer: Emanuelson-Podas Consulting Engineers
 Civil engineer: Pierce Pini and Associates
 Landscape architect: Spencer Jones Landscape Architect
 Landscape contractor: Kahnke Brothers
 Architectural and structural precast concrete: Hanson Structural Precast
 Masonry: Hanson Structural Precast (vener brick from Endicott Clay Products); Hines & Sons (Premier glazed block)
 Architectural metal panels: Atomic Sheet Metal; Alucobond
 Window systems: National Window Associates; Traco
 Waterproofing: Spec7 Group
 Flooring systems/materials: HTP
 Flooring (dry shake concrete floor); Shaw Contract Group (carpet tile)
 Cabinetwork: Minncor Industries
 Photographer: Brandon Stengel

Trolley Quarter Flats

Page 44

Location: Wausau, Wisconsin
 Client: MetroPlains Development, LLC
 Architect: Meyer, Scherer & Rockcastle, Ltd. (MS&R)
 Principal-in-charge, lead designer, and project manager: Paul C.N. Mellblom, AIA
 Project team: Aaron Wittkamper; Michael Stickley; Megan Eckhoff; Sam Edelstein; Nick Wallin; Tamer Azzazi
 Structural engineer: Cooper Engineering
 Civil engineer: Point of Beginning, Inc.
 Interior and lighting design: MS&R
 General contractor: Dave Cecil Builders
 Face brick: Ochs Brick (installation by Kowalski Masonry)
 Cabinetwork: Smart Cabinets (distributed by Lakewood Kitchens)
 Solid surface cabinets: Silestone

Cultured marble sinks and vanity tops: Leslie Marble
 Aluminum framed storefront system: Kawneer
 Vinyl plank flooring: Armstrong
 Carpet tile: Shaw Contract
 Broadloom carpet: Cambridge
 Mini-blinds: Hunter Douglas
 Building trusses and prefab wall panels: Pro-Build
 EPDM roof product: Firestone (installation by Quality Roofing)
 Drywall: Cherry Drywall
 Flooring materials: Hayward Home Center
 Window systems: Pella Windows
 Plumbing and HVAC: A to Z Plumbing & Heating
 Electrical: Kadlec Electric
 Sprinkler: Integrity Fire Protection
 Concrete work: T and J Concrete
 Appliances: All Inc.
 Millwork: J-L-S (distributor: Builders Millwork)
 Elevator: ThyssenKrupp
 Photographer: Don F. Wong

Greenleaf Apartments

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Location: Minneapolis, Minnesota
 Client: Brighton Development Corporation
 Architect: LHB, Inc.
 Principal-in-charge and lead designer: Kim Bretheim, AIA
 Project manager: Bill Niebur, AIA
 Project team: Kim Bretheim, AIA; Bill Niebur, AIA; Andy Madson, Assoc. AIA; Anne Ryan, AIA; Roger Purdy
 Energy modeling: The Weidt Group
 Structural engineer: Mattson Macdonald Young
 Mechanical and electrical engineer: Steen Engineering
 Civil engineer: LHB, Inc.
 Lighting design: Steen Engineering
 Interior design: LHB, Inc.
 Construction manager: Frana and Sons
 Landscape architect: LHB, Inc.
 Face brick, stone, and concrete work: Kiffmeyer Inc.
 Cabinetwork: David Daniels Co.; GF Services
 Flooring systems/materials: Jerry's Floor Store
 Window systems: Pella Impervia
 Architectural metal panels: Pac-Clad; Atomic Sheet Metal
 Custom millwork: Frana and Sons
 Photographer: Dana Wheelock Photography

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Cities. Neighborhoods.
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call home, as seen through
a photographer's eye.

*The story of Carleton College's Weitz Center
for Creativity, a high-energy arts complex
completed in fall 2011, can be found in our
January/February 2012 issue.*



Before Carleton College renovated the old Northfield Middle School as the Weitz Center for Creativity, photographer and Carleton professor John Schott spent time wandering the halls of the abandoned building with his camera. Schott's indelible image of the old theater instantly evokes the era of its construction—the 1930s. Weitz Center architects Meyer, Scherer & Rockcastle converted this space to a cinema with an artful entrance canopy composed of the historic wood seatbacks. Part of the balcony above these seats was also saved, as an unoccupied fragment. —*Christopher Hudson*