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Nakamori  
talks Tange

## An Architect's Inspiration

4RM+ULA's  
Nathan Johnson  
in Minneapolis'  
IDS Center



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ENGINEERING FIRMS

KODET  
ARCHITECTURAL  
GROUP WINS  
FIRM OF THE YEAR

DESIGN TRAVEL:  
DES MOINES





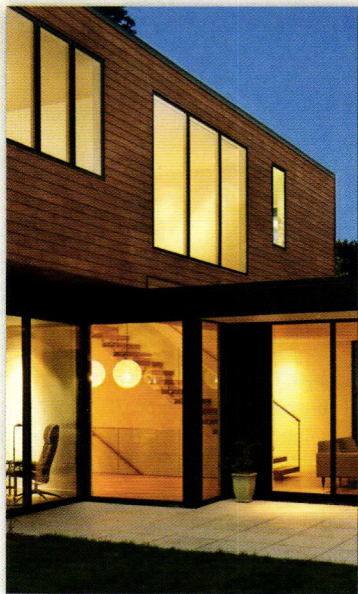
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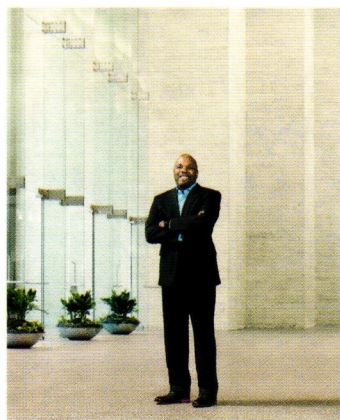
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# ARCHITECTURE MN

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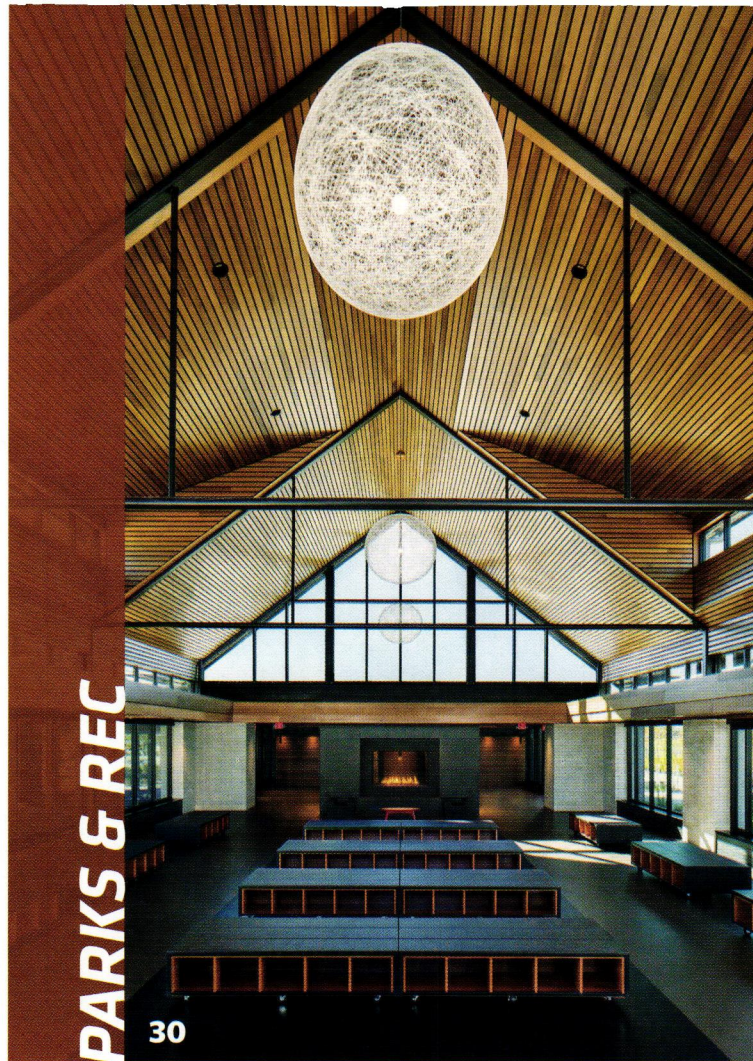
Architecture MN, the primary public outreach tool of the American Institute of Architects Minnesota, is published to inform the public about architecture designed by AIA Minnesota members and to communicate the spirit and value of quality architecture to both the public and the membership.



## ON THE COVER

Nathan Johnson, AIA  
IDS Center  
Minneapolis, Minnesota

"When we were talking about ideas for the shoot, Nathan and I bonded over our love for the IDS—for its graceful lines and for the active public space of the Crystal Court," says photographer **Eric Mueller**. "It's my favorite building in Minneapolis, so I approached the assignment with reverence and joy."



## Features

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By Joel Hoekstra

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By Joel Hoekstra

"As a teenager, I was obsessed with [Kenzo] Tange's work on 'Expo 70, which was Asia's first world expo and took place about a mile from my house," says Yasufumi Nakamori, curator of photography and new media at the Minneapolis Institute of Art. Little did that teenager know he would one day work in a Tange building.

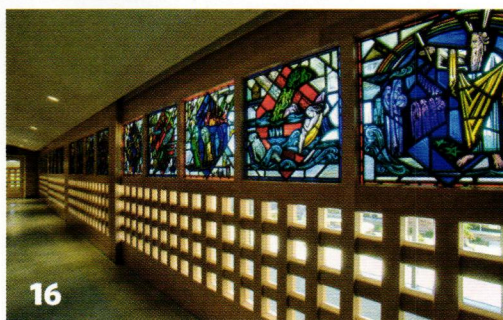
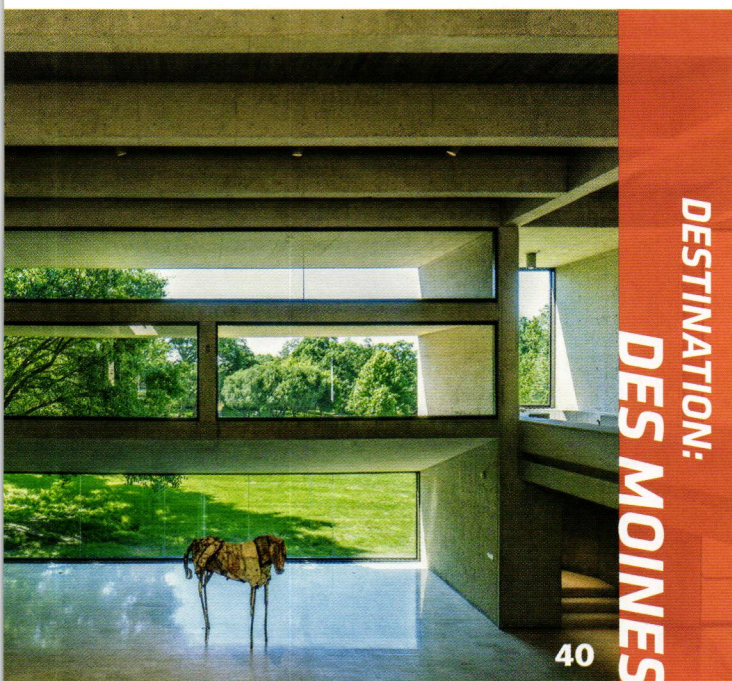
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By Christopher Hudson

Photography by Morgan Sheff,  
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BY AMY GOETZMAN

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PHOTOGRAPH BY ERIC MUELLER

A new series showcasing architects in spaces that inspire them debuts with 4RM+ULA's Nathan Johnson in the IDS Crystal Court.

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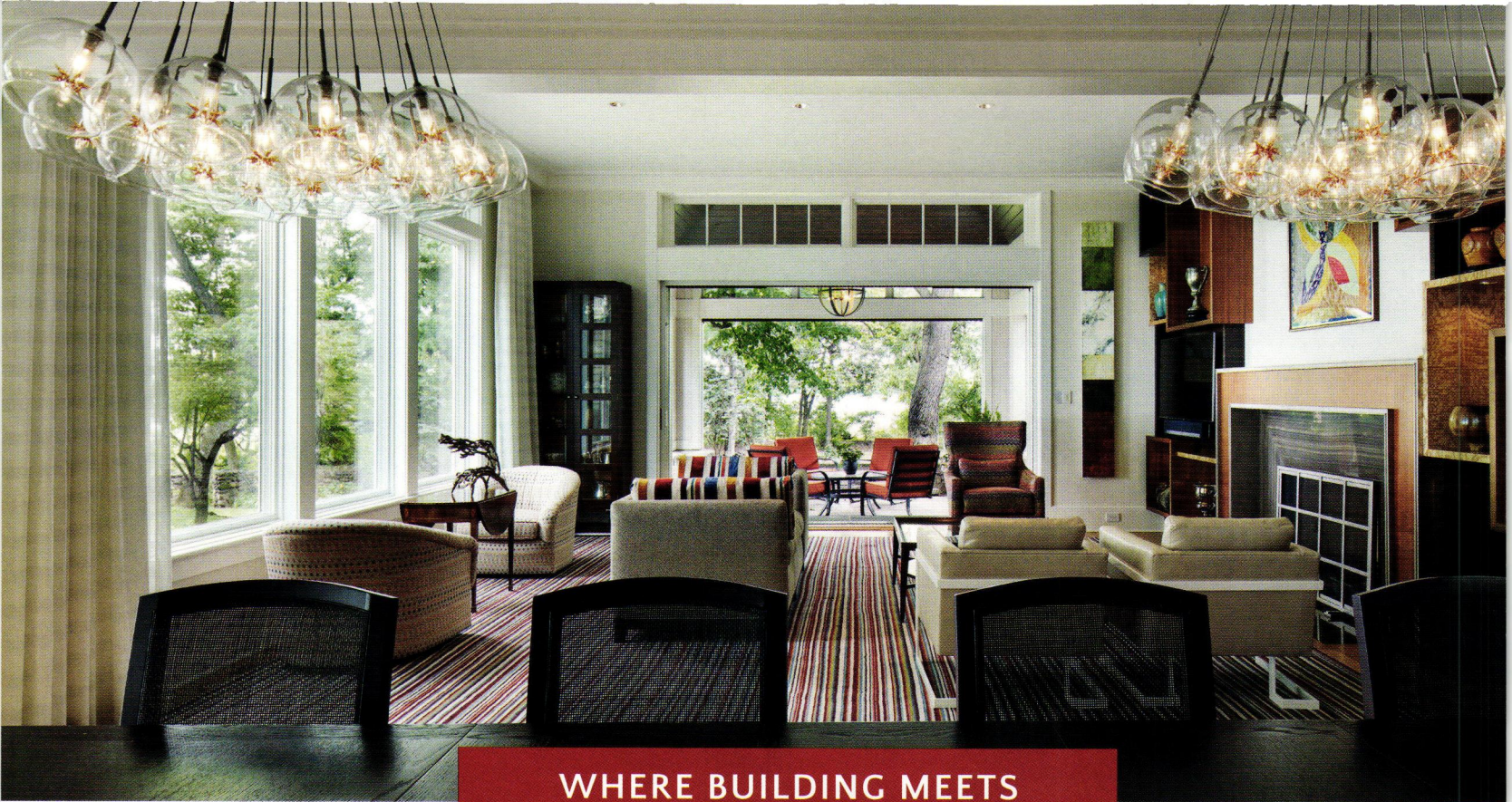
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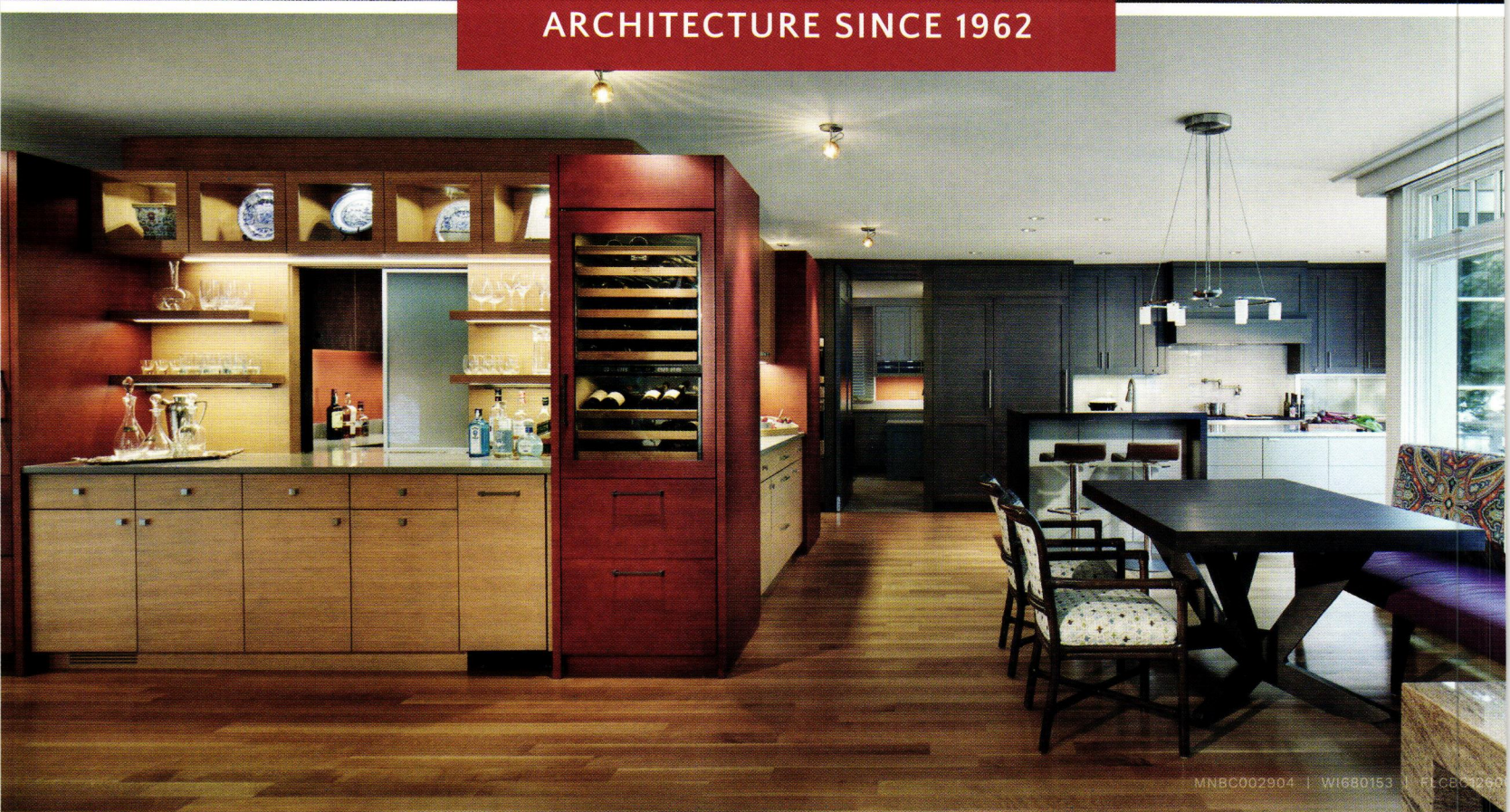
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president.**

## Historic Moment, Intentional Future

THE ARCHITECTURE OF MINNESOTA IS WIDELY VARIED—from the sleek lines and soaring heights of the IDS Center, to the well-crafted homes and restorative cabins that pepper the state, to the gathering places we seek out for spiritual sustenance and family fun. While the work performed by the people of Minnesota's architecture community is quite diverse, the people themselves are demographically more similar than not.

Architecture is a field that has yet to represent among its ranks the diversity of race, ethnicity, and gender of the people it serves. The 2013 U.S. Census data puts the percentage of Minnesotans who identify as Black/African American at nearly six percent, yet the percentage of Black/African American architects is less than one percent; Hispanic/Latino Minnesotans make up five percent of the population but only one percent of the architects. Asian-Pacific Minnesotans make up just over four percent of the population but not even two percent of the architects.

At the American Institute of Architects (AIA) Minnesota, we are actively working to change this—to address the barriers that discourage people of color from entering the profession, and those that keep women and people of color from rising through the ranks of firm leadership. Among the challenges and obstacles contributing to these disparities are: lack of knowledge of the profession, the cost of architectural education, lack of access to role models and mentors, and cultural homogeneity among teams and in defining success.

Architect Nathan Johnson, AIA—featured on the cover and in the debut of our new Inspiration series (page 12)—is a partner at the nationally recognized firm 4RM+ULA and a lauded architectural educator. And, as of January 2018, he is the first African American to serve as the president of AIA Minnesota in the organization's 125-year history.

Nathan is also a father who sees in his children the spark of inspiration ignited by architecture that he himself felt years ago. For one of his daughters, this is particularly true. And knowing that the number of black women licensed as architects in Minnesota can currently be counted on one hand, he is acutely aware of the need to grow the diversity, inclusion, and equity of the profession he loves.

More inspiration and access. More role models. More responsive and anticipatory design solutions. This is what drives Nathan Johnson and Minnesota's architecture community to work toward an inclusive, representative future where all populations are well understood by architects and well served by the built environment that shapes our daily lives.

Mary-Margaret Zindren, CAE  
zindren@aia-mn.org

### INTERACT & CONNECT



**Nathan Johnson  
in the Crystal Court**  
@archmnmag



**A conversation with  
top young architects**  
architecturemn.com/videos



**San Diego design  
tour on Instagram**  
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# ARCHITECTURE MN



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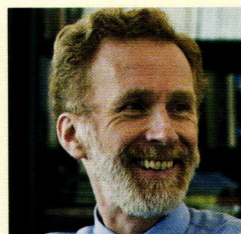
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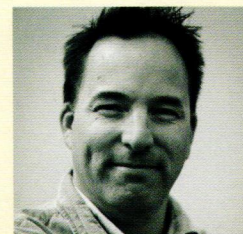
Mary-Margaret Zindren  
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## CONTRIBUTORS

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



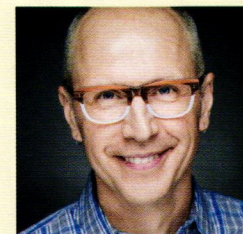
**THOMAS FISHER, ASSOC. AIA,** is director of the Minnesota Design Center at the University of Minnesota and a professor in the School of Architecture. He also chairs AIA's Design and Health Leadership Group.



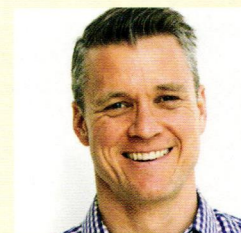
**CHAD HOLDER** has always felt most comfortable viewing the world from behind the lens of a camera. Harley-Davidson, Target, Marvin Windows, and *Dwell* magazine are a few of his past clients.



**AMY GOETZMAN** is a Minneapolis freelance writer. She writes about the arts and culture and other inspiring things that happen in inspiring spaces.



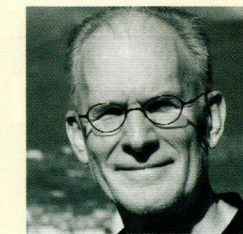
**ERIC MUELLER** is a Minneapolis-based artist, photographer, and teacher. He loves simplicity.



Minneapolis writer **JOEL HOEKSTRA** contributes frequently to *Architecture MN*.



**JOHN REINAN**, a reporter for seven newspapers from Alaska to Florida, also spent nearly a decade marketing high-end architectural products.



**PETE SIEGER** is a Minneapolis architectural photographer. ([siegerarchphoto.com](http://siegerarchphoto.com)).



# The Announcement of the Decade

## AIA Releases 2017 Contract Documents

Like the fog that drifts through the Grand Canyon every ten years, the core set of AIA Contract Documents gets updated every ten years to ensure your design and construction projects are protected against changing industry trends and needs.

Changes affecting architects include a single Sustainable Exhibit that can be added to any AIA document, new agreements containing a fill point to prompt the parties to discuss and insert an appropriate "Termination Fee" for terminations for convenience, and an added evaluation provision by the architect if the contractor proposes an alternative means and methods.

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AIA Contract Documents



# WINTER WALKERLAND

Free Walker Art Center events this winter make the most of Minnesota's cozy rituals

We've acclimated to the cold, and the days are starting to get a little longer. It's time to leave the den and find some winter fun. Head to the Walker Art Center for a series of arts-infused activities designed to help chase the chill away.

"We're embracing winter and the creative opportunities it brings," says Walker public programs manager Jacqueline Stahlmann. "A lot of Minnesota's craft culture comes from the cold months, when we spend more time indoors. It's that hygge thing."

The Winter #AtTheWalker series includes the very hyggist indoor activities, including fiber arts, storytelling, sauna, and hot toddies. But visitors are also encouraged to get outside and explore the revamped Minneapolis Sculpture Garden in the snow. As with any good sauna experience, it's the interplay of soothing heat and freezing your butt off that makes it all so enjoyable.

## FREE FIRST SATURDAY: CABIN FEVER

February 10, 10 A.M.-3 P.M.

Free museum admission for a range of fun, family-day activities, including snowshoeing and sauna.

## WINTER #AtTheWalker

Walker Main Lobby and Art Lab

February 8, 15, and 22, 5-9 P.M.

Way back in the early days, long before we had Netflix, we gathered around the fire to pass the evenings in the company of a good storyteller. Gerald White, a member of the Leech Lake band of Ojibwe, kicks off a series of special Target Free Thursday Night offerings with "Snow Stories," an evening of legends, tall tales, and truths, on February 8.

## MOONLIGHT SNOWSHOE TOURS

Minneapolis Sculpture Garden

February 8, 15, and 22, 5-9 P.M.

Join the Center for Outdoor Adventures for a special trek into the wilds of the Minneapolis Sculpture Garden. Already saw it last summer? With winter shadows and a white coating, it's an entirely different experience. Snowshoes provided. Music and refreshments to follow in the Walker Warming House.



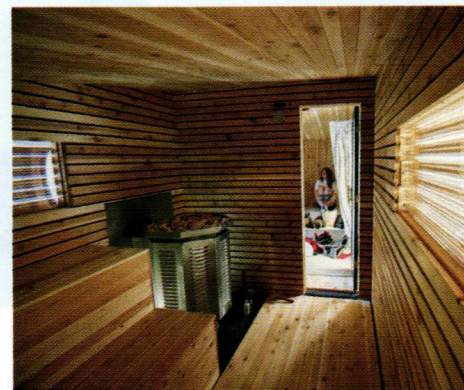
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## LITTLE BOX SAUNA

Esker Grove Patio

February 8, 15, and 22, 5-9 P.M.

A mini-sauna that travels the Twin Cities on wheels will make a month-long stop in front of the Walker. Experience the steamy modern design yourself on a Target Free Thursday Night—or reserve it for a different time for a fee. On March 1, one of its designers, Andrea Johnson, AIA, will be there to talk about the project.



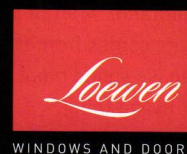
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## Design Crossing

PHOTO TOUR BY  
PETE SIEGER

### Black Diamond

*Royal Danish Library*

Central Copenhagen, Denmark  
Schmidt Hammer Lassen Architects

**On a whirlwind three-country, four-city tour of Scandinavia** this past fall, Minneapolis architectural photographer Pete Sieger got a lensful of modern architecture and bicycles. In Copenhagen, design highlights included the Black Diamond, an angular seven-story, 223,000-square-foot addition to the Royal Danish Library. Clad in polished black granite and glass, the popular 1999 expansion by Schmidt Hammer Lassen Architects jumps over a busy thoroughfare with three sky bridges, including one that offers a spectacular view from the historic library through the addition's soaring atrium to the waterfront beyond.

Sieger notes that looking through a camera viewfinder to frame the perfect shot can be a little nerve-racking with so much bicycle traffic moving around you. "To the extent that you'd better be looking both ways whenever you step off a curb," he continues, with a laugh. "At one point, I thought of putting my DSLR away and just doing an iPhone video to capture the volume and the flow of bicyclists in this architecturally rich environment."

—Christopher Hudson

1. Bikes on Søren Kierkegaards Plads

2. Skyways over Christians Brygge

3. Atrium overlooking waterfront

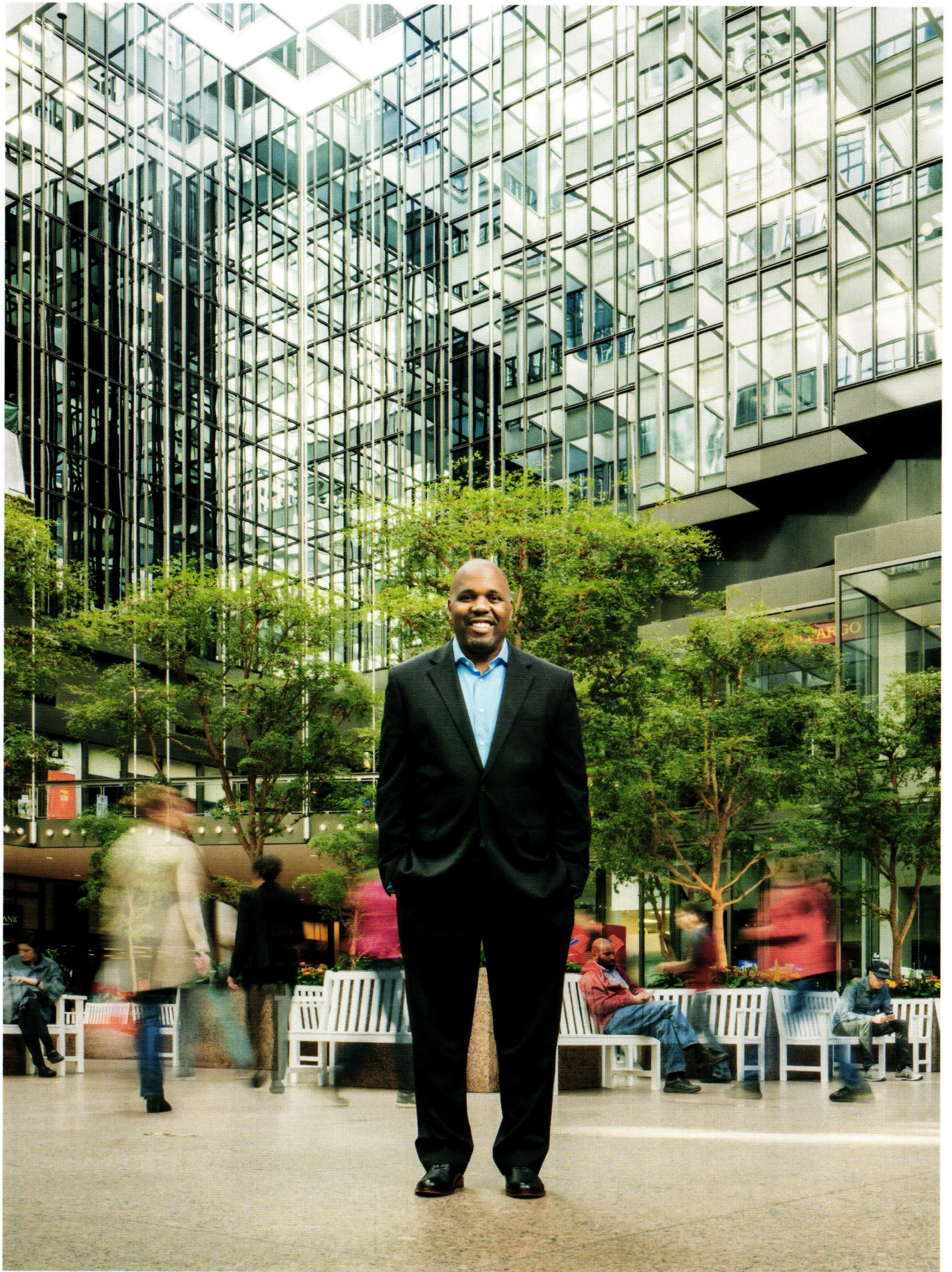


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*"I always think of light as one of the primary materials in a building. You have metal and glass, but it's light that really drives the architecture."*

## Crystal Gazing

Architect **Nathan Johnson** in the public space he loves most:  
the **IDS Center Crystal Court**

BY CHRISTOPHER HUDSON | PHOTOGRAPH BY ERIC MUELLER

"I'm one of those architects where I'm just kind of a fan, right? So when I'm walking somewhere I often take detours—long paths that take me through interesting buildings," says Nathan Johnson, AIA, flashing a smile so warm I remember it as a laugh. "My kids are like, 'Dad, why? This doesn't seem like it's on the way.' And I'm like, 'It is. And now that we're here, let's sit back and enjoy ourselves.'"

Johnson and I are doing just that in the IDS Crystal Court: sitting on a bench near the ceiling fountain. His talk of scenic architecture routes is an answer to my question about how often he passes through the Crystal Court—the beating pedestrian heart of downtown Minneapolis. He lives in the city's Bryn Mawr neighborhood and works in Lowertown St. Paul, where he is a partner with the firm 4RM+ULA. So the space isn't a daily experience for him. Yet it's one of his favorite environments in the world.

To describe the Crystal Court as an atrium at the base of a downtown office tower is akin to characterizing the Cathedral of St. Paul as a church on a hill; the building type and setting don't do it justice. The magic of Philip Johnson and John Burgee's Italian-piazza-like interior is in the way it orchestrates the multilevel arrival and circulation of 50,000 visitors every weekday. That and the dynamically faceted glass ceiling soaring overhead.

"The two things that bring architecture to life are people and light," says Johnson. "The way people move through and animate this space—across the floor, up and down the escalators, around the skyway level—is almost theatrical in nature. It's like you can see people performing in some way.

"And the sheer volume of light in this space," he continues, lifting both hands in seeming disbelief. "Here we are at four o'clock in the afternoon in late October, and it's amazing. I always think of light as one of the primary materials in a building. You have metal and glass, but it's light that really drives the architecture."


Johnson has deep roots in Minnesota. His maternal great-grandparents relocated to the Twin Cities during the Great Migration and worked on the Northern Pacific Railway. His maternal grandfather was employed at IBM in Rochester for many years. Johnson grew up in Minneapolis and graduated from St. Paul Academy. But it wasn't until he entered the architecture program at Cornell University in New York—that is, left the state—that he began to understand the design significance of the IDS Center and its atrium.

I ask if any of the other 1973 buildings he studied in college looked quite like this. "Well, the geometry of this space was not of its time," says Johnson. "There was a fair amount of Brutalist architecture in the early 1970s—I think that's what you're getting at—and those raw-concrete buildings were all about mass. The timeless Crystal Court is all about light."

It's also about bringing people together, and here is where Johnson's admiration for the space comes into sharp focus. At 4RM+ULA, his projects include the Metro Transit Green Line stations and the soon-to-be-completed Rondo Commemorative Plaza, a green space highlighting the cultural history of the St. Paul neighborhood razed in the late 1960s to make way for Interstate 94. He's also the 2018 president of AIA Minnesota—he's the first African American architect to lead the organization (page 5)—and a board member at nonprofits Forecast Public Art and Redeemer Center for Life. For Johnson, architecture and community are inseparable pursuits.

"This is a special place, because it draws a diversity of people in and invites them to linger. It's an equitable space in that regard," he says. "Yes, there are some very expensive offices on the top floors of IDS," he adds. "But down here? Everyone gets to use this space. This is the city itself, and it's beautiful."





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AND FRIENDS."**

## Dutch Comforts

A recent symposium at the University of Minnesota highlighted what the Netherlands can teach the U.S. about multifamily housing in cities

BY THOMAS FISHER, ASSOC. AIA

Lewis Mumford, the longtime architecture critic at the *New Yorker*, once said about cities: "Forget the damned motor car and build the cities for lovers and friends." That comment came to mind as I listened to the architects, developers, and residents of four Dutch housing complexes discuss their experience living and working in cities at a recent symposium at the University of Minnesota School of Architecture. The Dutch architect Mieke Bosse echoed Mumford when she said, "We want cities with people who love their neighborhood, who love where they live and are committed to it."

So why don't we in the U.S. have cities that people love as much as the Dutch seem to love Amsterdam and the Hague? We might blame the "damned motor car," as Mumford did; but the Dutch also struggle with too many automobiles, and with parking requirements that, while not as extreme as ours, still require architects to devote precious ground to car storage in cities with high water tables. Or we might blame developers who build for money rather than "lovers and friends"; but the Dutch developers at the symposium showed that they had the same profit motive as the American developers in attendance.

For the real culprit, we need to look to culture, something much harder to define or change. Take the Amsterdam development called De Opgang, or, in English, the Ascent. The visually striking housing complex consists of flats and row houses that step up, like a set of giant stairs, to overlook a neighboring canal and park and to shelter a newly constructed church that replaced the failing one that once stood on the site. The presence of that church and an adjacent daycare center and playground speak to the difference that culture makes.

The Amsterdam government wanted to keep a church on the site, so it brokered a deal in which the developer-architect team had to construct a new church on the property in exchange for the right to build housing there. Although the Dutch government, like our own, does not favor any particular religion, it's not bound by the same strict separation of church and state as we have here. While the American position might make sense politically, the Dutch approach produces a better city, with a diversity of activities on compact urban sites. When asked about this, the developer, Henk Jan Hollander, shrugged and said, "The alderman liked the sound of church bells."

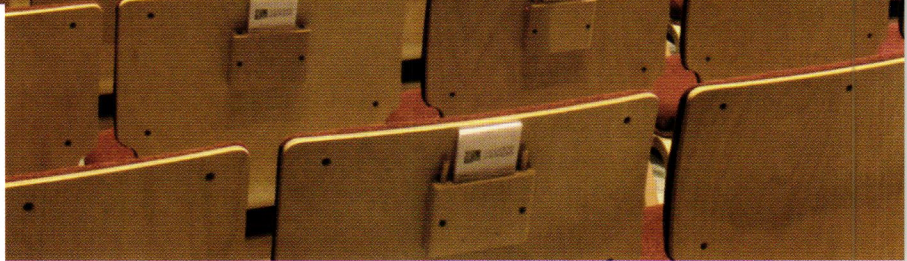
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## GOOD WORK(S)

Above: The firm recently renovated the midcentury **Lutheran Church of the Good Shepherd** in Minneapolis, by Hills Gilbertson and Hayes. Opposite, left to right: Ken Stone, AIA, Mike Schellin, AIA, Daniel Kodet, Assoc. AIA, Teri Nagel, Ed Kodet, FAIA, and Mandi Tauferner, AIA.



SAARI & FORRAI PHOTOGRAPHY





RYAN SIEMERS



AIA MINNESOTA  
2017 FIRM AWARD  
KODET ARCHITECTURAL GROUP

## Kodet Architectural Group receives the prestigious AIA Minnesota Firm Award for its 35-year commitment to design excellence and client and community service

BY JOHN REINAN

**When Kodet Architectural Group took on a major renewal of Lutheran Church of the Good Shepherd in Minneapolis, they knew they had to honor the spirit of the place**—right down to the smallest detail. The firm's stewardship of every aspect of the project was a source of inspiration and comfort, says Ty Tallakson, who served as congregation president and builder's rep during the two-year renovation, which ended in 2016. "They constantly displayed an attention to detail as well as an awareness of the big picture," says Tallakson.


For its 35 years of outstanding performance in the challenging fields of religious, institutional, and educational architecture, as well as historic restoration, Kodet Architectural Group was awarded AIA Minnesota's 2017 Firm Award. The honor also recognizes

the significant volunteer activities of its staff, who contribute their time and talents to dozens of community organizations.

Kodet wins praise from its clients not only for its superior client service but also for its thoughtful and nimble design sense. "They come up with some outstanding designs that fit in very tight locations," says Clyde Kane, design and construction manager for Minneapolis Public Schools, who has worked with Kodet on more than a dozen major projects since the 1990s. "In outstate areas, they have acres and acres of land they can build a school on. But in a city, you've got to have a certain knack for fitting a building into the urban complex."

Founder Ed Kodet, FAIA, who recently sold the firm to four principals—Mike Schellin, AIA,





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SCHOOL IS THE BEST  
ENVIRONMENT  
A KID WILL BE IN  
ALL DAY. WE'RE  
PERSISTENT ABOUT  
ADDING DETAILS  
THAT HUMANIZE  
THE ENVIRONMENT."

- ED KODET

#### GOOD WORK(S)

Kodet Architectural Group worked with **Hmong College Prep Academy**, a St. Paul charter school, to renovate and expand a former health-club facility into a LEED-certified complex housing an elementary school, middle school, and high school.





PETER KERZE



PETER KERZE

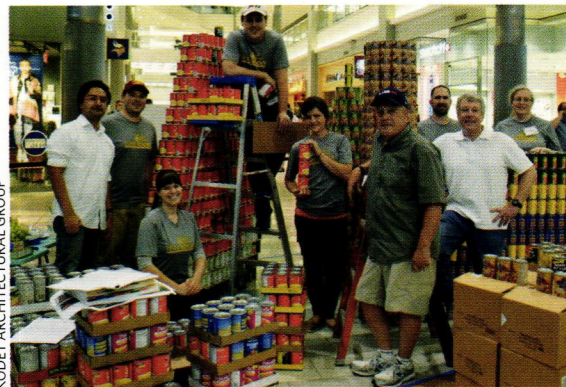
## GOOD WORK(S)

Above: Kodet's **Burroughs Community School** occupies a prominent site between Minnehaha Creek and West 50th Street in South Minneapolis.

Left: The firm's copper-clad **St. Croix Lutheran High School Chapel** won a prestigious AIA Minnesota Honor Award in 2006. The serene interior receives indirect illumination from light scoops and clerestory windows.

## GOOD WORK(S)

For the 2015 **Canstruction** event at Mall of America, the Kodet team designed an homage to the Minnesota State Fair, complete with Milk Barn, Space Tower, and Giant Slide. The installation used 5,715 cans, all of which were donated to local foodbanks.



KODET ARCHITECTURAL GROUP

Teri Nagel, Mandi Tauferner, AIA, and Daniel Kodet, Assoc. AIA—but remains as chairman, says he's always welcomed the challenge of working in an urban environment. "You look to reflect the character, scale, and context of the neighborhood," he says, citing the Burroughs Community School in South Minneapolis as an example. Nestled along a busy street, bordered by parks and the massive Mount Olivet Lutheran Church complex, the building seems both modern and timeless. The architects incorporated the entry from the original 1920 Burroughs School, painstakingly disassembling it stone by stone and reassembling it as a focal point in the new structure.

Kodet Architectural Group believes that the best designs come from close collaboration between architect and client. "It's orchestrating, asking questions, shaping their vision," says Schellin. "It's very rewarding to help the client realize their vision." Adds Ed Kodet: "We have no problem

with saying, 'You have to elevate your standards a little bit.' We will press the point.

"In the end," he says, "the building has to work. It has to be a place people like coming to every day. It has to have a sense of joy and a sense of pride."

In the institutional field, budgets are watched especially closely. Longtime Kodet vice president Ken Stone, AIA, says the firm isn't afraid to take ownership of the dollars and cents. "We hit them almost every meeting with the budget, track it all the way through," he says. "It keeps everybody honest." And clients appreciate it.

"They were our absolute ally on the money piece," says Tallakson. "They would look at every line and every dime and make sure it made sense and was applied to the right area. It probably drove the general contractor crazy. But we wanted somebody watchdogging it for us."

>> continued on page 54





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- Feature Design – “Masqueray in Minnesota,” Jan/Feb 2016, Gold

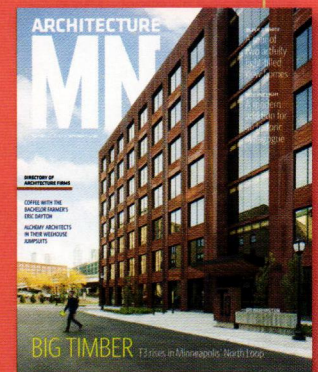
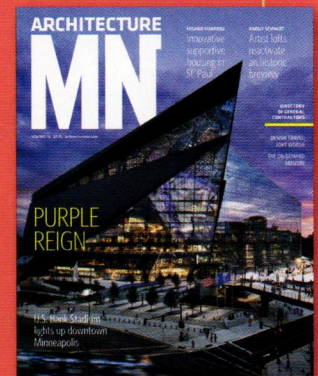
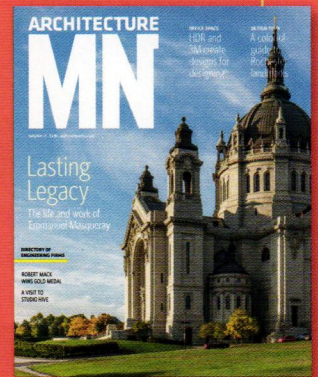
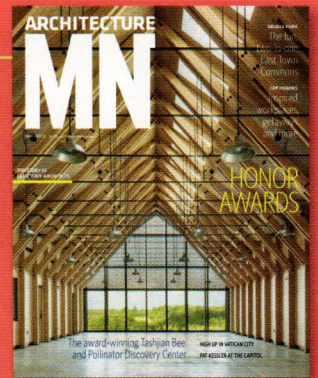
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# Room&Board



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In the following pages,  
Watford, North Dakota,  
and Maple Grove, Minnesota,  
invest in their communities  
with striking new facilities  
designed to keep their residents  
active and healthy.







# Activity Hive

**JLG Architects designs a sports and events complex for a North Dakota boomtown** **BY JOEL HOEKSTRA**





*Glued laminated timber arches and maple paneling in the main concourse add to the building's warm glow at night. Modern pendant lighting in the two-story space creates a rowing-sculpture-like form along the ceiling.*



**Watford City, ND**  
pop. 6,708

Watford City lies on the far western side of North Dakota. Its founders, who platted the town in 1914, anticipated a connection with the Great Northern Railway and dreamed of the traffic and prosperity it would bring to their community. But the line ultimately bypassed Watford City, and for decades the town's population numbered little more than 1,000 people, served by a handful of shops, a hospital, the county courthouse, and shops along its short Main Street.

That all changed with the opening of the Bakken oil fields in the early 2000s. Lured by reports that North Dakota shale was rich with black gold that could be extracted with hydraulic fracking and horizontal drilling technologies, companies poured into the region, creating a boom in population. In 2015, the Census Bureau estimated the number of people living in Watford city at 6,708.

As traffic on Main Street increased and school enrollments grew, Watford City

*"As we talked, the project grew from being just a center for activities into something more akin to a town square."*  
—JLG architect  
Jeff Steiner

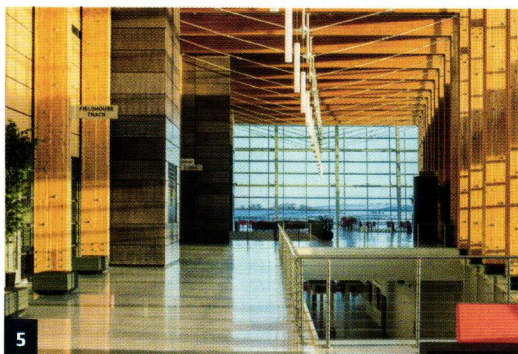
officials knew the town's infrastructure and public amenities would have to be expanded. One of the efforts they initiated was the development of an event center that could house sports activities and civic gatherings. They hired JLG Architects to design a 268,000-square-foot facility alongside the city's high school on a promontory with wide views of the surrounding plains.

"We started off knowing we needed to have a sheet of ice and an arena," says



## The View from Above

Siting the large complex on the slope of a hill had several advantages: By placing the entry on the hilltop, for example, the architects could create elevated views into the pool, arena, field house, and hockey rinks from the main concourse, as well as a soaring view of the sky and landscape to the north. And spectators could walk down, instead of climb, to their seats.

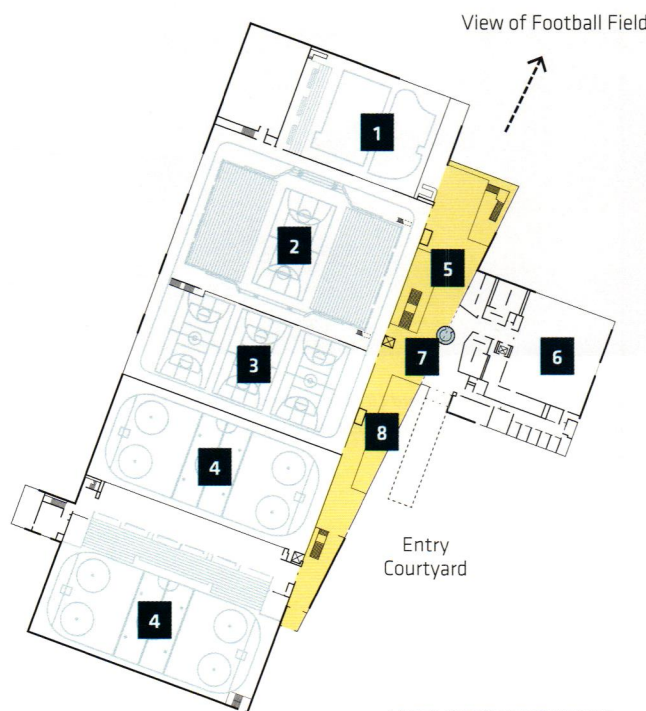






*Above: The concourse widens at the north end to create a more dramatic view of the athletic fields and the prairie landscape beyond. The large floor opening for the staircase heightens the visual connection between levels while adding to the overall airiness of the environment.*

*Below: Inside the bright, spacious lobby, an easy-to-spot ticketing kiosk and a wide view to the athletic spaces beyond make orientation and circulation highly intuitive.*



#### MAIN CONCOURSE LEVEL

- |               |                                 |
|---------------|---------------------------------|
| 1 Pool        | 6 Convention                    |
| 2 Arena       | 7 Entry lobby & ticketing kiosk |
| 3 Field house | 8 Open to below                 |
| 4 Hockey      |                                 |
| 5 Concourse   |                                 |



The 268,000-square-foot facility sits alongside the city's high school on a promontory with wide views of the surrounding plains.



*The new Rough Rider Center pairs with Watford City High School to create a hub for community activities that far exceeds what anyone would expect for a city with fewer than 7,000 residents.*

#### **ROUGH RIDER CENTER**

**Location:**

Watford City, North Dakota

**Client:** Watford City

**Architect:** JLG Architects  
[jlgarchitects.com](http://jlgarchitects.com)

**Principal-in-charge:**  
Dan Miller, AIA

**Project lead designer:**  
Jeff Steiner, AIA

**Energy modeling:**  
Ford Metro

**Landscape architect:**

JLG Architects

**Construction manager:**

Kraus-Anderson Construction

**Size:**

268,000 square feet

**Construction cost:**

\$83 million

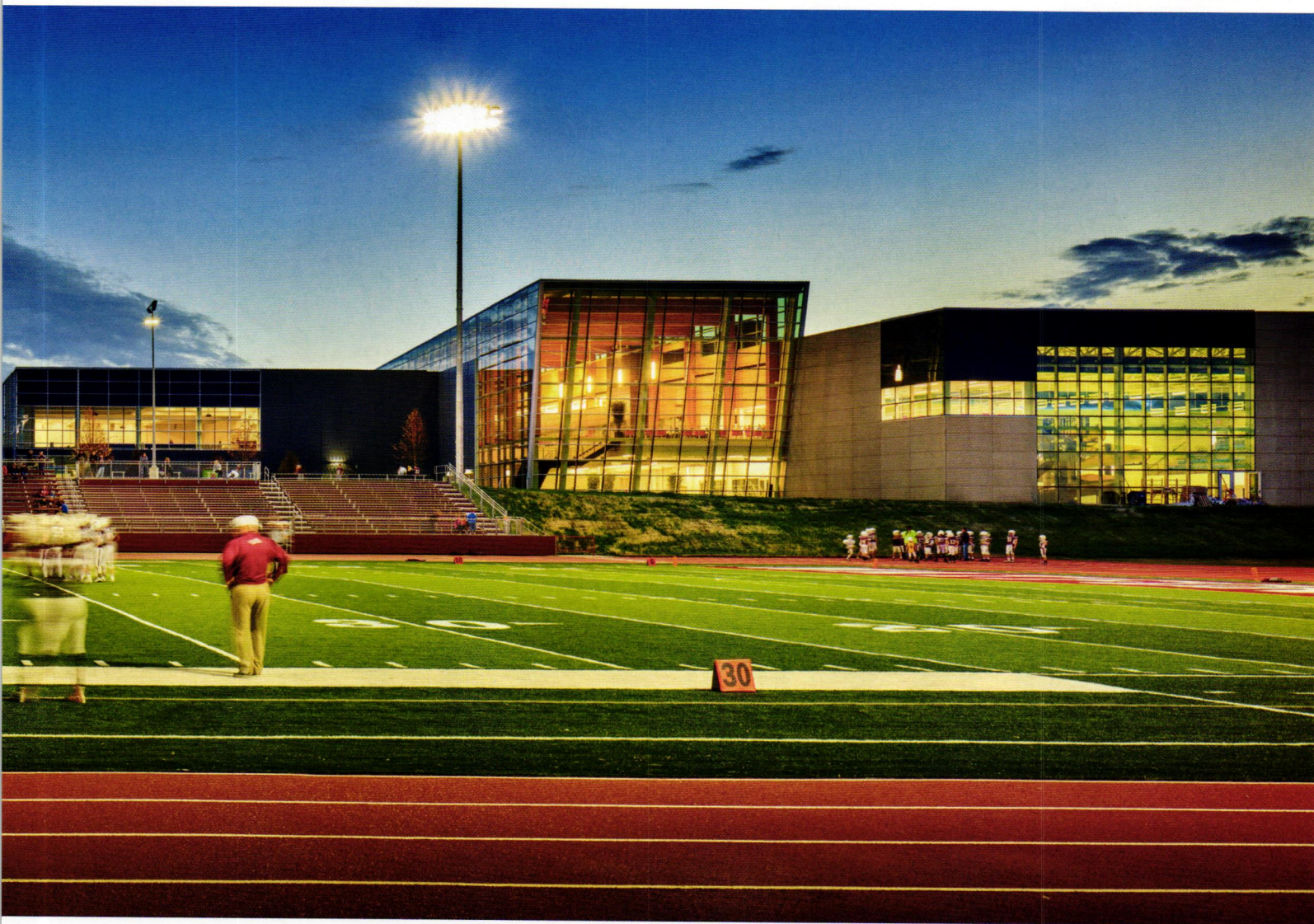
**Completion:**

September 2016

**Photographer:**

Chad Ziemendorf





JLG's Jeff Steiner, AIA, the lead designer on the project. "But that quickly grew into a list that included a water park, a field house, and a multipurpose area for concerts and basketball and conferences. As we talked, the project grew from being just a center for activities into something more akin to a town square. And that town-square idea became a concept that drove the project."

"City leaders were really forward-thinking," says city administrator Curtis Moen. "They understood that adding a sports

and conference facility to their town would help solidify its reputation as a regional center." (At last ranking, Watford City, the seat of McKenzie County, was the 12th-largest city in North Dakota.)

In 2014, JLG and city officials began drawing up plans for the Rough Rider Center, a building that would ultimately include two hockey sheets, a field house, an arena, a water park, and a convention center. The community wanted a building with airy, light-filled

**"City leaders understood that adding a sports and conference facility would help solidify the town's reputation as a regional center."**

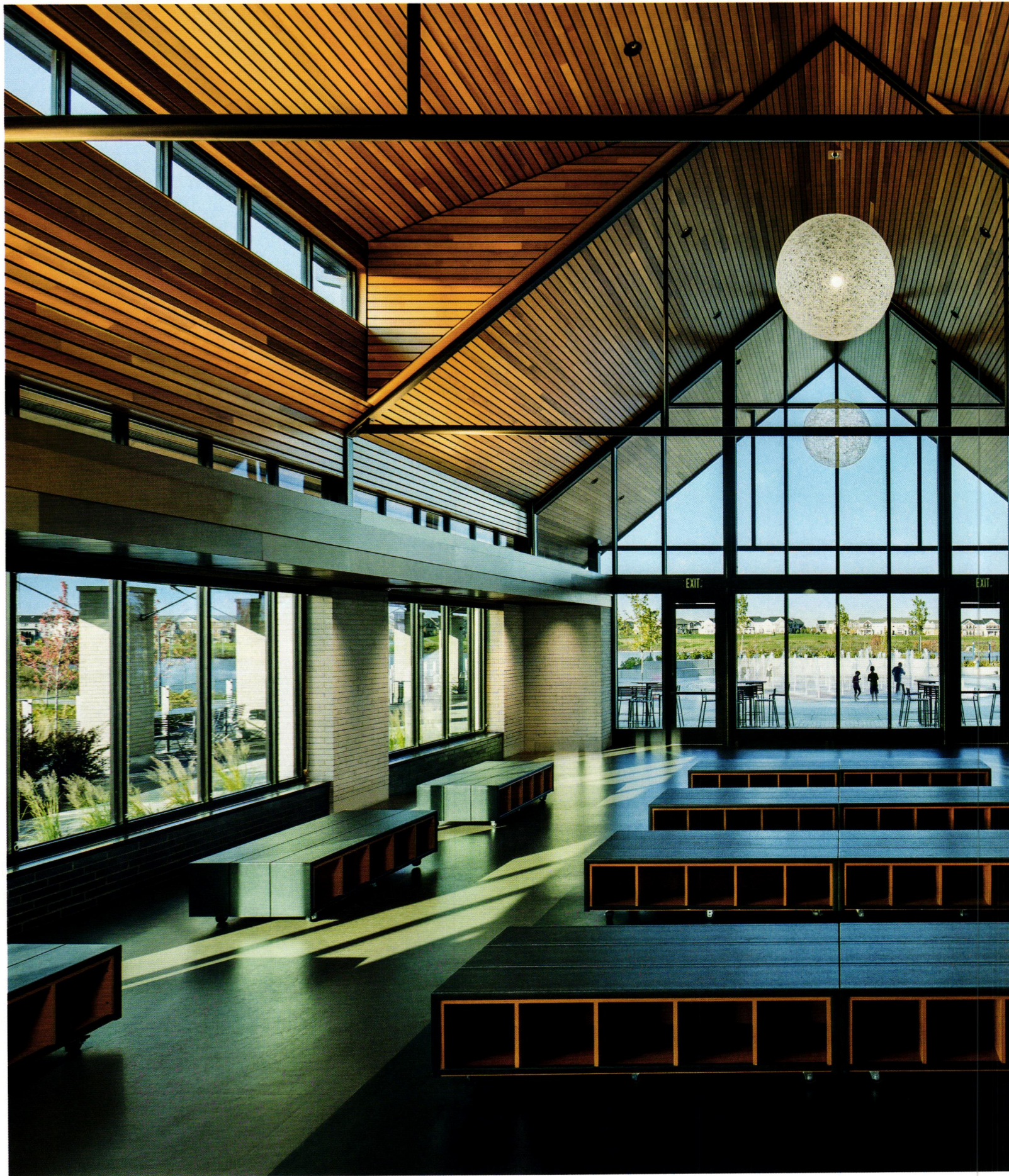
—City administrator  
Curtis Moen

interiors that framed the beauty of the Dakota landscape. "They recognized that the views into the building and the views out were both important," says Steiner.

Steiner and his team responded with a plan that is straightforward, beautiful, and bright. Visitors arriving at the facility encounter an L-shaped, two-story structure whose glass walls put the interiors on dramatic display. Just inside the canopied entry sits a cylindrical ticketing kiosk faced with

>> continued on page 52







# Urban Lodge

**In Maple Grove, U+B designs a park pavilion that doubles as a warming house**

BY JOEL HOEKSTRA

Good things are worth waiting for. In Maple Grove, a suburban community northwest of Minneapolis, the most recent evidence that patience pays off is Central Park, an urban green space built on an old gravel pit. The plan for the 40-acre park was hatched in 1986, but it took three decades of effort to get the amenity built.

The “urban” park, whose primary green space is a great lawn rather than the ball fields that compose the core of many suburban recreation areas, opened in

*Phenow Pavilion is that rare building that can accommodate elegant private events and withstand the wear and tear of thousands of skate blades in winter.*



*The building serves as an inviting base, backdrop, and beacon for the park's long, winding skating loop.*



**The gables of the A-frame roof that covers part of the structure are glass, exposing a red-cedar-lined interior that glows warmly at night.**

2015. The landscape design, by Damon Farber Associates, includes a formal garden area; a labyrinth; a network of trails; four pickleball courts; a 200-foot-diameter, ADA-accessible playground; and a 2,100-square-foot interactive fountain and splash pad where kids of all ages can play and cool off on hot summer days. But Central Park's most notable attraction is an 810-foot-long skating loop—the first of its kind in Minnesota.

From the start, the refrigerated track has been a hit with skaters. "So far, more than

63,000 people have used the ice trail," says Chuck Stifter, the city's parks and recreation director.

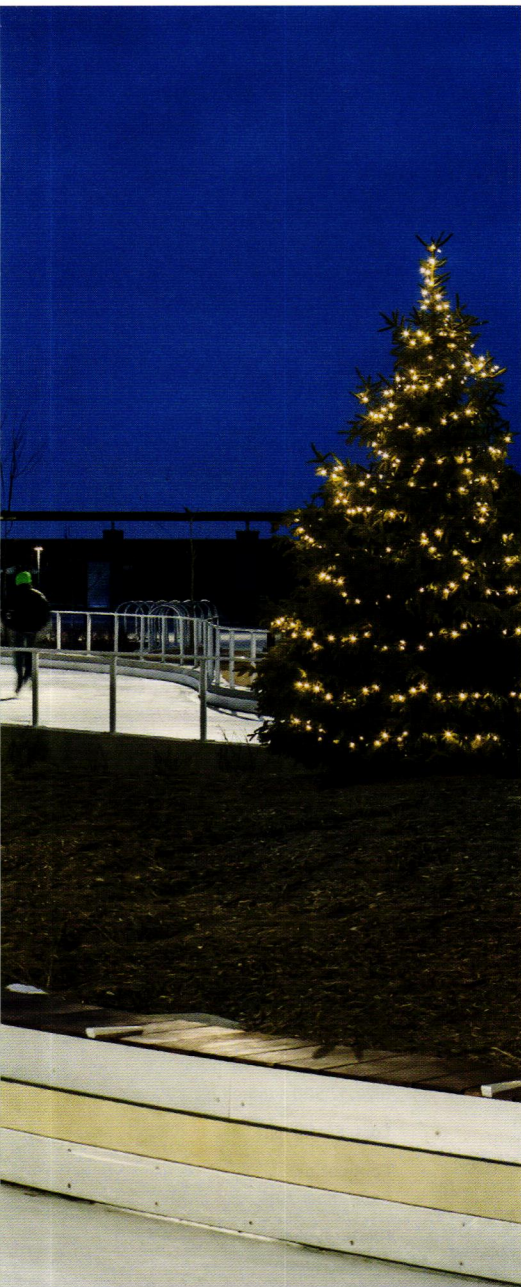
Architecture also plays a key role in the park: Adjacent to the splash pad and skating trail is a glassed-in pavilion that doubles as a warming house in winter. Designed by U+B Architecture and Design, the building contains restrooms, a snack bar, and an open space where visitors can strap on their skates in winter or gather in summer.

***"There are approaches to the building from all four directions. So there was pressure to make the design attractive from every angle."***  
—U+B's Nate Gollin, AIA

"The members of the park board were divided about the kind of design they wanted," says U+B's Edie Sebesta, Assoc. AIA, who managed the project. "Roughly half wanted a Northwoods lodge. Half wanted something contemporary. Our design combines those two ideas into a modern, urban lodge-style structure."

Named after the city's longtime park board member Tim Phenow, the 12,900-square-foot Phenow Pavilion is a focal point within the park. The gables of the A-frame roof that covers part of





*A refrigerated outdoor skating loop (top)—the first of its kind in the state—and an interactive splash pad (bottom) combine to keep Phenow Pavilion humming with activity year-round.*

#### **PARK PLACE**

*Maple Grove Central Park already has all the amenities it needs to draw crowds in all seasons, but it also has plenty of room for future growth.*

- 1 Park building/  
warming house
- 2 Pergola
- 3 Splash deck
- 4 Play area
- 5 Fire pit
- 6 Ice skating loop
- 7 Open fields
- 8 Parking







*A long, freestanding pergola along the splash pad provides shading for lunch and snack times—and for general enjoyment of the lively, kid-friendly landscape design by Damon Farber Associates.*

#### PHENOW PAVILION, MAPLE GROVE CENTRAL PARK

**Location:**  
Maple Grove, Minnesota

**Client:**  
City of Maple Grove

**Architect:**  
U+B Architecture  
and Design  
[www.uplusb.com](http://www.uplusb.com)

**Project manager:**  
Edie Sebesta, Assoc. AIA

**Project architect:**  
Nate Golin, AIA

**Landscape architect:**  
Damon Farber Associates  
[damonfarber.com](http://damonfarber.com)

**Construction manager:**  
RJM

**Size:** 12,900 square feet

**Cost:** \$5 million

**Completion:**  
September 2015

**Photographer:**  
Andrea Rugg

the structure are glass, exposing a red-cedar-lined interior that glows warmly at night. Dormers with banded windows allow additional light into the interior. Faced with brick, stone, and wood, the pavilion is both contemporary and cabin-y. "There are approaches to the building from all four directions," notes U+B's Nate Golin, AIA, the project's lead designer. "So there was a lot of pressure to make the design attractive from every angle."

Most visitors arriving at the park in winter stop in the warming house to strap on their skates. Special movable benches designed by U+B feature cubbies where bags and gear can be stored, and durable rubber mats protect the floor from damage. "Phenow had to meet the same standards as any

other park or civic building," says Golin, "except we had to think about the fact that everyone is essentially walking around with knives on their feet."

Other amenities include a rental counter for skates, a concessions area where visitors can grab a cup of cocoa or some hot nachos, and a small staging area for catering services. (The building can be rented for private events.) Large barn doors can be rolled closed when

>> continued on page 53



*Service counters in the pavilion are opened and closed via large, sliding barn doors. Thus, they can be completely hidden for private events.*



**"Roughly half of the park board  
wanted a Northwoods lodge.  
Half wanted something contemporary.  
Our design combines those  
two ideas into a modern, urban  
lodge-style structure."**

—Edie Sebesta, Assoc. AIA





# Resident Expert

Minneapolis Institute of Art curator Yasufumi Nakamori oversees a collection of more than 13,000 photographs. But he also has a lifelong interest in architect Kenzo Tange, who expanded the museum with a modern addition in the 1970s.

BY JOEL HOEKSTRA   PHOTOGRAPHY BY CHAD HOLDER





**Left: Yasufumi Nakamori**  
pauses in Mia's Harrison  
Gallery. **Right: Kenzo Tange**  
(left) at the time he was  
designing the Minneapolis  
Art Complex.

PHOTO COURTESY OF MIA



Minnesota was mostly unfamiliar to Yasufumi Nakamori when he moved here in 2016.

But at Mia, also known as the Minneapolis Institute of Art, where he had just landed a curator position, he discovered a comforting presence. The museum bore the fingerprints of Kenzo Tange, the master architect who had planned cities and designed numerous modern buildings in postwar Japan, including in Osaka, where Nakamori had spent his childhood.

"As a teenager, I was obsessed with Tange's work on Expo '70, which was Asia's first world expo and took place about a mile from my house," says Nakamori. (Tange designed the expo's master plan and the enormous space-frame roof for the festival's main plaza.) "Much later, I picked the expo as part of my doctoral dissertation subject."

Today, Nakamori interacts daily with Tange's 1974 addition to the museum's original McKim, Mead & White building. Hired to head Mia's Photography and New Media Department, he is charged with producing exhibitions that appear in the museum's Harrison Gallery, which sits in the Tange wing. He recently opened *New Pictures: Omer Fast, Appendix*, an exhibition that pairs the contemporary artist and filmmaker's work with 25 portraits by pioneering German photographer August Sander (see sidebar on page 38).

"The exhibit demonstrates Yasufumi's global interests," says Mia director Kaywin Feldman. "He's very well connected and aware of what's happening in art around the world." What's more, she adds, Nakamori's curatorial and scholarly output is astonishing: "We're all completely stunned by his productivity."

### Once a Lawyer

The son of a Japanese businessman who was an amateur photographer and collected prints and drawings, Nakamori developed an interest in art early in life. But his path to curatorial work was circuitous. He studied politics and economics in Tokyo before moving to Madison, Wisconsin, to earn a law degree. He practiced law in New York City and Tokyo, specializing in corporate finance and securities law, for seven years—until 9/11. "I had just come out of the subway near the towers when the first plane hit," says Nakamori. "The experience made me realize how life can be cut short."

He quit law, earned a degree in art history at Hunter College, and completed a PhD at Cornell University. His dissertation focused on two generations of architects in postwar Japan, beginning with, of course, Kenzo Tange. Winner of the 1987 Pritzker Architecture Prize, Tange rose to international fame for melding modernism and



Near right: Nakamori on a staircase above the Tange lobby. Far right: Mia's Third Avenue entrance, designed by Tange.

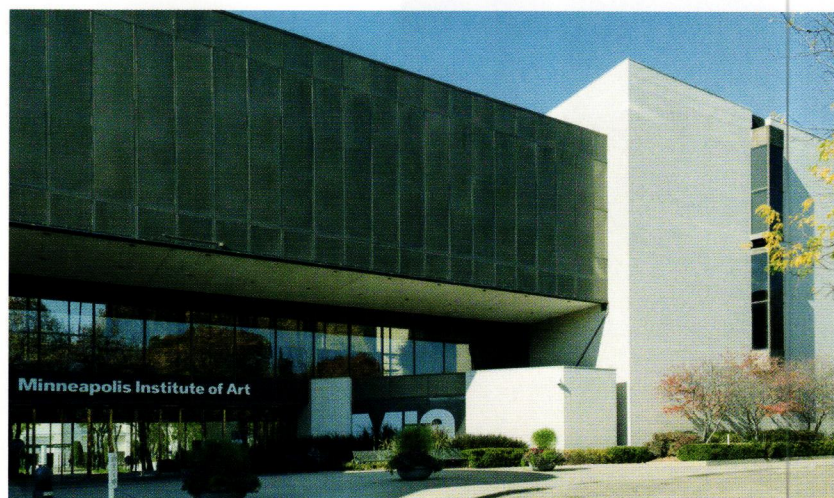


PHOTO COURTESY OF MIA

traditional Japanese design in buildings such as Tokyo's St. Mary's Cathedral and Yoyogi National Gymnasium, the latter built for the 1964 Olympics.

"Tange was also a photographer," says Nakamori. The architect owned a Leica camera, and he took a special interest in the intersection of photography and building design—the play of light and shadow, the juxtaposition of forms. In fact, Tange served as a picture editor for the 1960 publication *Katsura: Tradition and Creation in Japanese Architecture*, which showcased images of Japan's Katsura Imperial Villa taken by Ishimoto Yasuhiro, a photographer affiliated with the Chicago Bauhaus movement. The volume featured text by Walter Gropius and cover design by Herbert Bayer.

"But Tange significantly cropped many of the photos," notes Nakamori, to make visual connections between traditional Japanese design and modern architecture. In 2010, Nakamori, then associate curator of photography at the Museum of Fine Arts, Houston, published, for the first time, Ishimoto's uncropped images alongside Tange's edited versions in *Katsura: Picturing Modernism in Japanese Architecture*. The book, lauded as an "astutely, impeccably produced catalogue" that "rehabilitates Ishimoto's initial vision of Katsura," won an award from the College Art Association in 2011.

## Tange in Minnesota

Tange's master plan for Expo '70 positioned the festival as a city, and Tange's students designed many of the buildings, including an art gallery, which later became the National Museum of Art, Osaka. As a youngster, Nakamori often toured the collection with his father, and the experience gave him a strong sense of the importance of art museums in cities. Today, he sees the same design philosophy in Tange's 1970–74 master plan for the Minneapolis Art Complex, which now includes Mia, the Minneapolis College of Art and Design, and the Children's Theatre Company. The complex was one of Tange's first commissions outside of his homeland—and one of only two projects he completed in the U.S.

The architect saw the campus as an important part of the urban fabric, says Nakamori. "Art and artists and arts education had to have a place in the city," the curator says. "For Tange, designing both an art school and the museum's expansion was important because teaching art to a future generation of artists and preserving art from the past were two equally important functions, for art to become truly meaningful in contemporary society."

Nakamori says he especially appreciates how Tange integrated the buildings into the city's

>> continued on page 51

## EXHIBIT



PHOTO COURTESY OF MIA

## New Pictures: Omer Fast, Appendix

**HARRISON GALLERY  
THROUGH FEBRUARY 11, 2018**

This exhibition features two films by the Berlin-based Israeli artist Omer Fast (born 1972), along with more than 20 portraits by the German photographer August Sander (1876–1964) from his series *People of the Twentieth Century*, selected from Mia's and other Minneapolis-based collections.

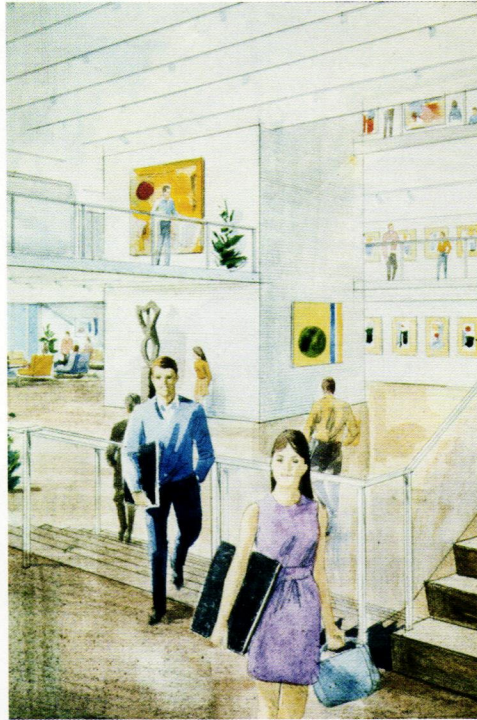
[artsmia.org](http://artsmia.org)



The Minneapolis Art Complex was one of Tange's first commissions outside of his homeland—and one of only two projects he completed in the U.S.

*Right: Early watercolors of the 1974 Tange interiors.*  
*Below: Nakamori completing the installation of the August Sander prints for New Pictures: Omer Fast, Appendix (see sidebar).*

ILLUSTRATIONS COURTESY OF MIA





The lower gallery in the I.M. Pei wing houses Sol LeWitt's Wall Drawing #601, Forms Derived from a Cube (25 Variations) (1989) and sculptor Deborah Butterfield's Untitled (Hoover) (1986).

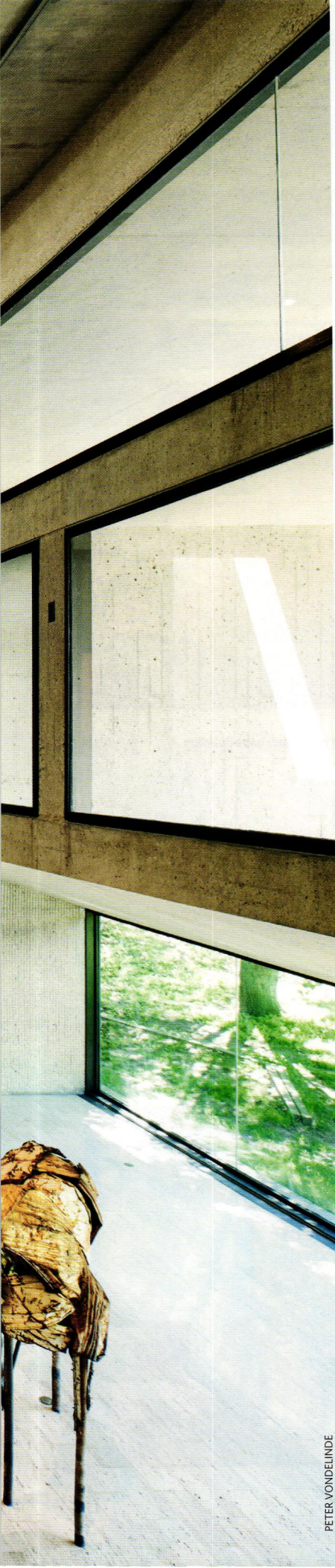
DESIGN DESTINATION:

# DES MOINES

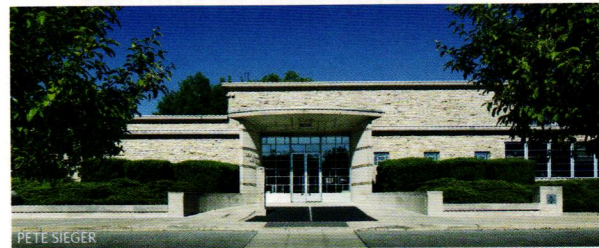
Eliel and Eero Saarinen. Ludwig Mies van der Rohe. Gordon Bunshaft. I.M. Pei. Richard Meier. David Chipperfield. Our photographic tour of 70 years of modern architecture in Iowa's capital features buildings by luminaries of 20th- and 21st-century design.

By Christopher Hudson





Photography by  
Morgan Sheff,  
Pete Sieger,  
and Peter VonDeLinde



*Top: An exterior staircase on the Meier wing casts an intricate shadow. Bottom: The art center's understated (by today's standards) main entry, by Eiel Saarinen.*

## DES MOINES ART CENTER

Eiel and Eero  
Saarinen building  
(bottom right)  
1948

◀ I.M. Pei  
expansion  
1968

Richard Meier  
expansion  
(top right)  
1985

LIKE MIA AND THE WALKER ART CENTER in Minneapolis, the Des Moines Art Center features three distinct eras of architecture. It all started when the museum moved a few miles west from an ornate, turn-of-the-century library building downtown to hilly Greenwood Park in the 1940s. Civic leaders commissioned Eiel Saarinen to design the new art center after viewing his competition-winning entry for the Smithsonian Gallery of Art in Washington, DC—a project that was never built. Saarinen adapted his Smithsonian concept for the park, nestling the meandering, low-slung structure into the leafy landscape. Like his Smithsonian design, the art center was clad in strips of rough-cut Lannon stone, and it partially enclosed a courtyard overlooking a reflecting pool and the green space beyond.

Twenty years later, the museum turned to architect I.M. Pei for an addition that would house a 220-seat auditorium and soaring galleries for the display of large sculptures. Pei responded with a highly

textured concrete structure that asserts itself with its Brutalist massing but disguises its height with its placement on the downslope of a hill. For many first-time visitors, the addition's butterfly-roofed upper gallery and spare, double-height lower gallery—the latter anchored by Sol LeWitt's *Wall Drawing #601*—make the deepest impressions.

The final piece of the puzzle, completed in 1985, was a taller, more playful expansion by Richard Meier, who would go on to design the iconic Getty Center campus in Los Angeles. Clad in granite and porcelain-coated metal panels, Meier's geometrically expressive pavilion was placed nearest the intersection of Grand Avenue and Polk Boulevard, to increase the art center's visibility. Inside, the bright, white galleries were designed to accommodate large contemporary artworks. The expansion also added a small restaurant to the courtyard, bringing all three eras of architecture together in a single, intimate outdoor environment.



**The AEG headquarters is one of those midcentury buildings whose clean-lined elegance doesn't scream for attention. But when you do stop to study it, you can't stop looking—especially at twilight.**

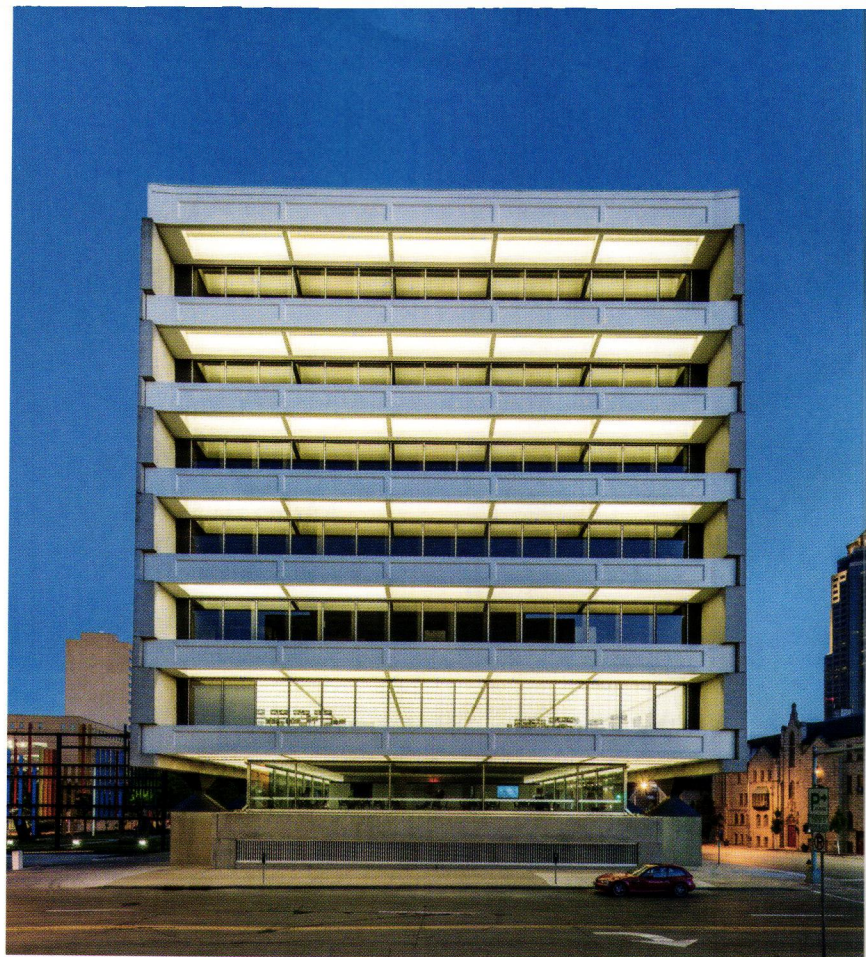
## DOWNTOWN DES MOINES

**YOU KNOW A BUILDING IS COMPELLING** when it wins the same national design award twice. American Enterprise Group's national headquarters, designed by famed Skidmore, Owings & Merrill architect Gordon Bunshaft, won an American Institute of Architects Honor Award in 1967, shortly after it opened, and then again in 2016 for architecture firm BNIM's 21st-century renovation. It's one of those midcentury buildings whose clean-lined elegance doesn't scream for attention. But when you do stop to study it, you can't stop looking—especially at twilight.

The elegance derives primarily from the 90-foot clear span on levels three through eight; those floors are supported at each end by a poured-in-place concrete wall that rests on enormous metal feet. The renovation focused on invisibly upgrading building systems and glazing while opening the partitioned interiors up to those clear-span views. The building is privately owned, but passersby can enjoy the view in the minimalist entry court, where Arnaldo Pomodoro's *Sphere Within Sphere* sculpture presides. At night, the glassy lobby becomes a glowing gallery for additional artworks in AEG's notable collection.

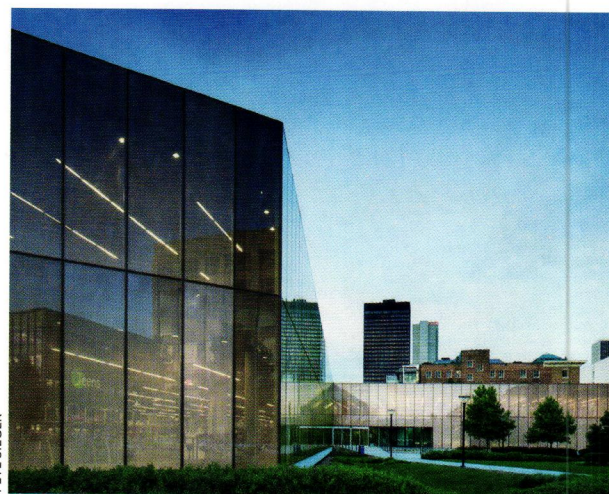
Another twilight gem downtown is David Chipperfield Architects' 2006 Des Moines Central Library. The centerpiece of a long-term effort to revitalize the western edge of downtown, the sprawling two-story building bridges the central business district and the popular Pappajohn Sculpture Park, completed in 2009. It becomes an entirely different building when the sun goes down.

During the day, you can't see into the glass-clad building, but you can see out. That's because the architects inserted a layer of expanded copper mesh between the outer panes of the triple-glazed panels, which gives the exterior an opaque, coppery sheen while allowing those inside the library to enjoy wide views of the park. But at night, the views are reversed, with the active interiors gradually revealing themselves to passersby as darkness settles over the city. Dusk offers a few magical moments when it's difficult to distinguish the interiors from the surrounding buildings reflected in the glass.



*At dusk, the AEG headquarters slowly transforms from a quietly elegant building into one that's visually stunning.*

*The outer panes of glass in Des Moines Central Library's facade sandwich a layer of copper mesh. The effect is otherworldly, especially at twilight.*



PETE SIEGER

MORGAN SHEFF






*A step into AEG's entry court is a step back in time—to the Mad Men era. Its midcentury geometries beg to be viewed through a wide-angle lens.*

◀ American Enterprise Group (AEG) national headquarters  
Gordon Bunshaft of Skidmore, Owings & Merrill  
1965

Des Moines Central Library  
(opposite, bottom)  
David Chipperfield Architects with HLKB  
2006

PETE SEIGER

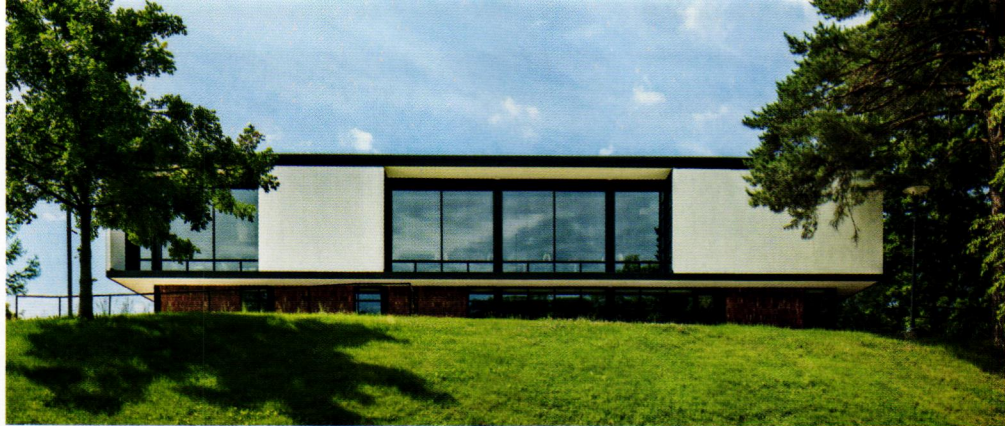




Meredith Hall is pure Mies:  
a steel-frame structure wrapped  
in glass curtain wall with  
scaled-down I-beam mullions.



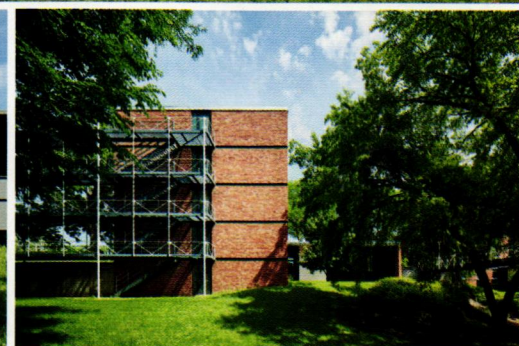
*Left: The north end of Meredith Hall perches on a grassy hillock, lending the building additional architectural stature on campus.*



MORGAN SHEFF



MORGAN SHEFF



PETER VONDELINDE

*Clockwise from top: The forward-looking Hubbell Dining Hall, Crawford Residence Hall, and Medbury Hall helped the school accommodate growing enrollment in the 1950s.*

## DRAKE UNIVERSITY

**Hubbell Dining Hall (top)**  
Eero Saarinen  
1954

**Crawford Residence Hall (bottom right)**  
Eero Saarinen  
1955

**Medbury Hall (bottom left)**  
Eero Saarinen  
1955

◀ **Meredith Hall**  
Ludwig Mies van der Rohe  
1965

AFTER WORLD WAR II, Drake University was thinking about the future. Like many schools, it needed to grow its facilities to accommodate increases in student enrollment, so it engaged Saarinen, Swanson & Saarinen—the noted architecture firm working just a few miles away on the Des Moines Art Center—to craft a new master plan for the campus. University officials sought a plan that would organize the building of flexible, expandable, and, perhaps most important, forward-looking new structures. They chose the Saarinen team in part because of the care it took in harmonizing the art center with its hilly landscape.

Eliel, the elder Saarinen, died in 1950, but his son Eero continued the work by populating the plan with, among other buildings, the 400-seat Hubbell Dining Hall; Stalnaker, Crawford, Carpenter, and Herriott residence halls; and Medbury Hall, which was built for the university's divinity school but today houses the philosophy and religion department.

The reinforced-concrete structures generally feature brick, metal, and glass in a stripped-down modern aesthetic, and they included amenities still in vogue today—"living rooms" in the residence halls, for example, and a snack shop and bakery with flexible seating in the dining hall. Saarinen protected the grassy ravine below Crawford and Carpenter from student traffic with long pedestrian bridges, and he connected all four dormitories with striking scaffolding-like balconies.

A decade later, Drake commissioned Ludwig Mies van der Rohe to design a new home for its School of Journalism and Mass Communication on a prominent site overlooking Helmick Commons. The resulting two-story building, Meredith Hall, is pure, minimalist Mies: a steel-frame structure wrapped in glass curtain wall with scaled-down I-beam mullions. The I-beams both express the building's taut structure and give dimension to the exterior's uniform geometry. **AMN**





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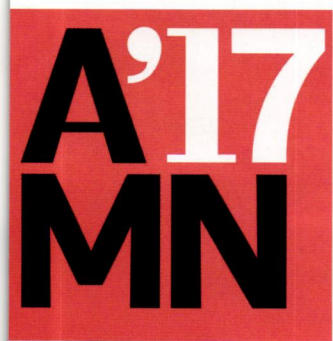
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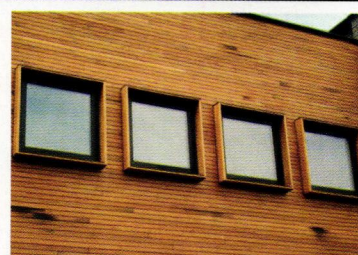
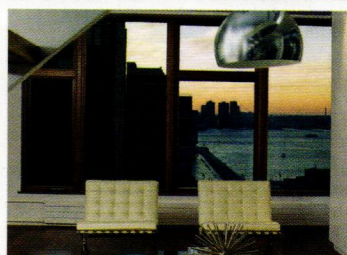
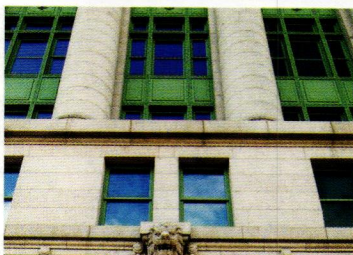
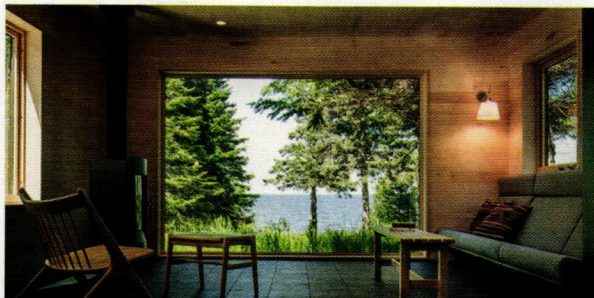
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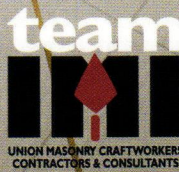
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## Dutch Comforts

<< continued from page 15

Many of the same challenges that architects and developers face in the U.S.—financial constraints, public processes, and political pressures—also confront the Dutch. But those same forces produce better urban outcomes in the Netherlands because, in contrast to Americans' fascination with the frontier, the Dutch seem deeply attached to their cities. In another project, De Beeklaan, the developer-architect team of BPB and SCALA won a limited competition to design a mixed-use development in a struggling neighborhood in the Hague. They designed five buildings that capped the ends of five city blocks, echoing the historic brick architecture in the area and continuing the rhythm and scale of the adjacent structures. "We won the competition," said Bosse, "because we listened to the community and honored the urban qualities of the neighborhood."

In the U.S., a development like this, with 200 units of housing, would typically occupy its own site and probably have readily identifiable features—and a clever name—to enhance the project's marketability. De Beeklaan, in contrast, takes its name from the commercial street that it faces and does its best to blend into the surrounding streetscape, suggesting that, in the Netherlands, the continuity of the city comes before the catchiness of the architecture. Also, a development of this size in the U.S. would typically have most units aimed at a similar demographic, with a similar price point. De Beeklaan, instead, has rental and owned units, senior housing and family housing, affordable apartments and a pricey penthouse, commercial space and parking in the courtyards—a diversity that not only reinforces the demographic variety of the neighborhood but also enabled the project to weather the recession. Leasing and selling units during the downturn "was difficult," the developer, Eric van Winsen, admitted, "but it was a success in the end."

Such mixed-use, mixed-income, high-density developments rarely appear in the U.S., and not because we don't know how to do them. The lack of diverse developments like those found in the Netherlands stems, instead, from public policies such as single-use zoning, specialized lending practices, and street and parking requirements based on suburban models—policies that place too many obstacles in the way. We Americans rarely create cities that people love, in part because we too often see cities not as real places in which people have memorable experiences, listening to the sound of church bells or interacting with a mix of neighbors,

>> continued on page 51



## Dutch Comforts

<< continued from page 50

but instead as political and financial abstractions, as discrete blocks of color on a zoning map and low-risk investments almost guaranteed to reap a return.

The abstract, almost theoretical way in which many Americans view cities has deep cultural roots. This country has long attracted people fleeing foreign cities in search of opportunities across our land, and while more than 80 percent of the U.S. population now lives in metropolitan areas, many Americans remain reluctant urban dwellers, here for the economic opportunity rather than the experiential richness that cities can provide. Which is why we have so much to learn from urban cultures such as the Netherlands, and they from us. The Dutch attendees at the symposium seemed fascinated by what they saw in the Twin Cities; several spoke admiringly of the dense housing development along Minneapolis' Midtown Greenway, and they repeated the oft-mentioned observation of the city's friendliness and cleanliness. "There is much to love here," said Mieke Bosse after returning from a tour. We just have to believe it ourselves and see our cities as the Dutch do theirs, loving where we live and committing to it.

*The symposium referenced in this article was titled Complexity: Dutch & American Housing. It was organized by Julia Robinson, FAIA, with the support of several committees. AMN*

## Resident Expert

<< continued from page 38

Washburn-Fair Oaks neighborhood. "From the steps of the original McKim, Mead & White building, you can see downtown Minneapolis," says Nakamori. "Tange also emphasized that connection by adding windows in the new wing that look out to the same view."

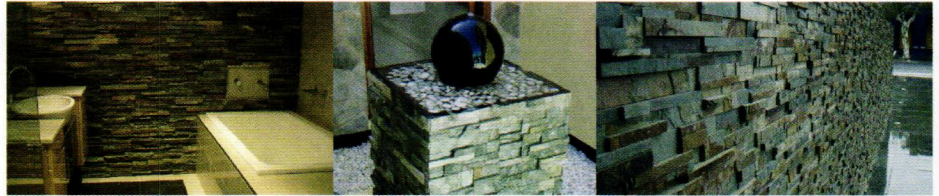
Tange's addition revitalized the institution in the 1970s, and Nakamori says that it serves as a daily reminder that he and Mia have a duty to showcase the work of new artists, and to present the work of past artists with fresh perspectives. "Showing work from the past in relation to new work by contemporary artists who may be critical of the past is extremely important to me," he says, "and in some ways it's related to how Tange reimagined the institute and its future." **AMN**

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## Activity Hive

<< continued from page 29

royal-blue penny tiles, which contrast cheerfully with white terrazzo floors and dark-stained maple wall panels.

Past the kiosk is a long, wedge-shaped concourse that connects visitors with the activity areas. Rectangular glulam (glued laminated timber) arches add visual warmth to the length of the concourse. An abundant use of glass allows for daylighting even on the shortest winter days, while pendant lighting in the shape of a rowing scull illuminates the space at night. Spectators entering the arena and field house discover that they're already on the second floor, with great views of the action as they make their way down to their seats.

In the water park, the concourse is connected to a viewing area where parents can watch their children play on the splash pad or zip down the waterslide below. White-painted ceilings and splashes of vivid color—blue-painted metal heating ducts and a canary-yellow plastic water slide—give the facility a playful, contemporary feel.

Theoretically, all the spaces could be used at one time, with two hockey games, a basketball game, a gymnastics meet, a swim meet, and a conference taking place simultaneously. "It's a very active building," says Steiner.

Moen says that the community is proud of the Rough Rider Center, and that the convention space has attracted interest from a wide variety of groups, from cattle ranchers to conservationists. He enjoys seeing the reactions from outsiders, who are often surprised by the size and design of this unexpected amenity in western North Dakota.

The facility is used nearly around the clock, from early morning, when hockey practice begins, until late at night, when concerts conclude. "In terms of meeting the community's needs, I think we hit it right on the head," says Moen. "If anything, I wish that we'd done it a little bigger." **AMN**

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## Urban Lodge

<< continued from page 34

concessions and rentals are no longer open. Restrooms are housed in a separate wing, so users can avoid events going on in the pavilion.

Outside, a flat-roofed pergola shades picnickers in summer, and ample bike racks along one side of the building encourage cyclists to stop and linger on the park grounds. There's also a two-sided fire pit that glimmers at night, with a view of the skating track.

"The entire park affords such a rich experience year-round," says Golin. "We were very intentional in developing a continuous relationship between inside and outside. The boundaries frequently blur, enhancing the overall experience for the community."

"We've been impressed with how well the building works with the track and splash pad," says Stifter. "It's not only functional and adaptable; it's also attractive. It definitely feels like an urban lodge." **AMN**



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## Center Stage

<< continued from page 19

The firm has also learned that small things can have a big impact on design. Kodet's architects are noted for their use of wood detailing. "You can use simple materials and make them look elegant," says firm principal Teri Nagel. "It may be stucco, but you can add depth and textures and joinery."

In its school designs, Kodet pays particular attention to the media center, using high ceilings, natural light, and wood finishes to create a welcoming environment in a space they consider the heart of the school. The firm also includes a fireplace in nearly every school it designs, an unexpected touch in the 21st century. There's a reason for that, says Ed Kodet.

"Sometimes the school is the best environment a kid will be in all day," he says. "We're persistent about adding details that humanize the environment."

They're also persistent in their volunteer commitments. Staff pledge hundreds of hours to the University of Minnesota School of Architecture Mentor Program, Minneapolis City of Lakes Rotary, Big Brothers Big Sisters, Habitat for Humanity, Art Buddies, Girl Scouts of America, Boy Scouts of America, and several other community-focused efforts. One of Kodet's favorite annual activities is Canstruction, a charity competition and exhibition in which volunteers design and build structures out of cans of food—and then donate all the cans to local foodbanks.

The human touch helps the firm win the loyalty of its clients, many of whom are repeat customers. When the Good Shepherd project was finished, the architects weren't. "They came to the grand opening," says Tallakson. "They made themselves available for all the events." And Ed Kodet added an extra touch that made a big impression.

"He actually did a watercolor of the head of Jesus at Good Shepherd and presented it to me at the grand opening," Tallakson continues. "It totally caught me flat-footed. I kind of welled up. And I have a feeling I wouldn't have gotten a watercolor from the other firms we interviewed."

"We locked arms with them and went forward," says Tallakson. "There was a bonding that happened. We are so grateful that we picked Kodet." **AMN**

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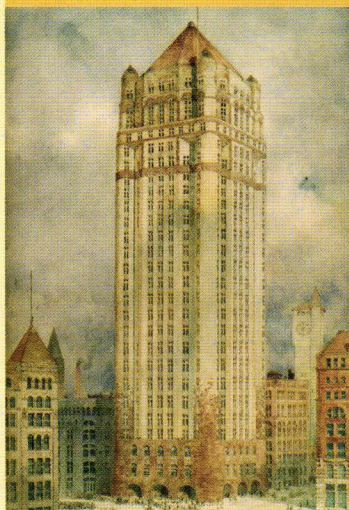
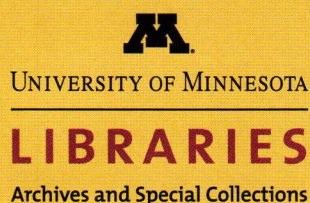
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### AKF GROUP LLC



100 South 5th Street, Ste. 2060  
Minneapolis, MN 55402  
Tel: (612) 354-2442  
Email: akfmn@akfgroup.com  
www.akfgroup.com  
Year Established: 1989  
Total in MN Office: 12  
Total In Other Offices: 447  
Other Offices: Baltimore, Boston, Hamilton, Mexico City, New Haven, New York, Philadelphia, Puebla, Seattle  
Contact: Deborah Reider, (612) 567-5013

#### Firm Principals

Chad Eslinger, PE  
Doug Lucht, PE  
Gabe Pescosolido, LEED AP BD+C  
Deborah Reider, PE, LE  
Shawn Stockwell, PE, LEED AP

AKF Group LLC is a mechanical and electrical engineering firm serving public and private sector clients across the United States and around the world. AKF provides a full range of professional engineering services including HVAC, electrical, plumbing, and fire/life safety engineering. Specialty services provided include analysis & testing, building management systems, central utilities, Architectural code consulting, commissioning, critical systems, energy modeling & sustainability, IT/AV/security, lighting design and special inspections.

*Westminster Presbyterian Church, Minneapolis, MN; American University of Central Asia, Bishkek, Kyrgyzstan; 401 Nicollet Mall Office Building, Minneapolis, MN; Minneapolis Institute of Arts, Minneapolis, MN; Minneapolis Public Schools, Minneapolis, MN; World Trade Center Retail, New York, NY; Wayne State Student Center Food Court Renovation, Detroit, MI; Central Park West, St. Louis Park, MN*

### ALIGN STRUCTURAL, INC.

241 Cleveland Avenue South, Ste. B7  
Saint Paul, MN 55105  
Tel: (651) 698-0164  
Email: rickj@alignstructural.com  
www.alignstructural.com  
Year Established: 2012  
Total in MN Office: 2  
Contact: Rick Johnson, PE

#### Firm Principals

Richard Johnson, PE  
Christian Soltermann, PE

Structural consulting services for commercial, residential, industrial, and institutional projects. Structural assessments of existing structures; forensic investigations of structural conditions to assist clients in the legal and insurance industries. Firm enjoys helping clients get to the core of their structural needs in an efficient manner.

*Kalispell Ford, Kalispell, MT; First State Bank, Rosemount, MN; Bigfork Valley Hospital, Bigfork, MN; New Residential Homes, Various locations; Blain University Avenue Townhomes, Blaine, MN; Minnesota National Bank, Long Prairie, MN; AK Pizza Crust, Prior Lake, MN; Taco Bell Restaurants, Various locations*

### ATS&R PLANNERS/ ARCHITECTS/ENGINEERS



8501 Golden Valley Road, Ste. 300  
Minneapolis, MN 55427  
Tel: (763) 545-3731  
Email: information@atsr.com  
www.atsr.com  
Year Established: 1944  
Total in MN Office: 57

#### Firm Principals

Blayne J. Parkos, PE, LEED BD+C  
Nicholas Achina, PE  
David M. Maroney, AIA, NCARB  
Dean S. Beeninga, AIA, NCARB, REFP, LEED AP  
Paul W. Erickson, AIA, NCARB, REFP  
Mark G. Hayes, AIA  
Daniel C. Moll, AIA, NCARB

*continued next column*



ATS&R is a multi-disciplined architectural/engineering firm providing mechanical and electrical engineering for educational facilities, religious facilities and public buildings. Our specialized designs for energy conservation measures include passive solar, heat recovery systems, thermal storage, variable air volume, displacement ventilation, and energy management systems. Our engineers provide commissioning and recommissioning services as well as ARC flash analysis. We also offer site design, stormwater management, and technical design for video, voice, data and security systems.

*Southwest High School Additions & Alterations, Minneapolis, MN; Minnetonka VANTAGE Program Upgrades, Minnetonka, MN; Kasson-Mantorville High School Additions & Alterations, Kasson, MN; Southwest Regional Amateur Sports Complex, Marshall, MN; Living Word Christian Center Alterations, Brooklyn Park, MN; Fridley High School Alterations, Fridley, MN*

#### BETON CONSULTING ENGINEERS, LLC



2535 Pilot Knob Road, Ste. 108  
Mendota Heights, MN 55120  
Tel: (651) 330-1207  
Email: mvancura@betonconsultingeng.com  
www.betonconsultingeng.com  
Year Established: 2012  
Total in MN Office: 5  
Contact: Mary Vancura, (612) 597-3431

##### Firm Principals

Kevin MacDonald  
Rachel Detweiler  
Mary Vancura  
Mark Lukkarila

Beton specializes in the science behind your concrete. Some of our services include historic mortar evaluation, concrete specification writing and review, specialty concrete mixture designs, concrete failure analysis, petrography, alternative cementitious binder evaluation, and cementitious-based product development.

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*New Harbor Bridge corrosion protection plan and 175 year service life concrete design, Corpus Christi, TX; MSP Silver Ramp concrete specification, Minneapolis, MN; Saint Croix Crossing Bridge thermal control plans, Stillwater, MN; Saint Anthony Parkway Bridge Deck Specification, Minneapolis, MN; No joint slab on grade with shrinkage compensating concrete, numerous locations, MN; Historic Mortar Evaluation, Somsen Hall Winona State University; Design of 2 in. topping slab on a non-rigid substrate, University of Minnesota Twin Cities; Portsmouth Naval Shipyard dry dock repair, Kittery, ME*

#### BKV GROUP



222 N. Second Street, Ste. 101  
Minneapolis, MN 55401  
Tel: (612) 339-3752  
Email: info@bkgvgroup.com  
www.bkgvgroup.com  
Year Established: 1978  
Total in MN Office: 110  
Total in other Offices: 50  
Other Offices: Chicago, IL; Washington, DC  
Contact: Mike Krych, (612) 339-3752

##### Firm Principals

Mark Bradby, PE  
Chad Kurdi, PE  
Chris Hartnett, PE LEED AP  
Jack Boorman, AIA, NCARB  
Mike Krych, AIA  
Kelly Naylor, CID, LEED AP  
Mat Nugent, AIA  
Tom Daskiewicz, Assoc. AIA

BKV Group is a holistic design firm providing architecture, engineering, interior design, landscape architecture and construction administration. Since 1978, BKV Group has grown from a sole proprietorship into a diverse partnership with practice sites in Chicago, Minneapolis, and Washington DC, serving clients locally and nationwide. BKV Group's clients appreciate our collaborative approach to incorporating innovation, proven processes and technology to bring their vision to life.

*A-Mill Artist Lofts, Minneapolis, MN; Abiltan, Minneapolis, MN; Mill City Quarter, Minneapolis, MN; Barrel House, Minneapolis, MN; Owatonna Arts Center, Owatonna, MN; Pennington County Justice Center, Thief River Falls, MN; Leech Lake Tribal Justice Center, Cass Lake, MN; Shakopee City Hall, Shakopee, MN*

#### CAIN THOMAS ASSOCIATES, INC.



4215 White Bear Parkway, Ste. 100  
Saint Paul, MN 55110  
Tel: (651) 426-9549  
Email: jcain@CTAMEP.com  
www.CTAMEP.com  
Year Established: 1983  
Total in MN Office: 19  
Contact: Jay J. Cain, (651) 287-1120

##### Firm Principals

Jay J. Cain, PE  
Scott D. Thomas, PE, LEED AP, BD+C  
Ryan D. Stephens, PE

Cost effective, energy conscious, sustainable mechanical and electrical engineering design on a wide variety of project types, including but not limited to healthcare, specialty housing, hospitality, retail, transportation, public works, office education, worship, recreational, data/communications and industrial. Specialties include interior and exterior lighting, geothermal heating/cooling, vehicle specialties, renewable energy, radiant floor, green design, streetscape electrical, commissioning, energy modeling, LEED, sustainable design, fire protection and heat recovery for a coast to coast market.

*Four Winds Casino, South Bend, Indiana; Public Works Facility, Crystal, MN; I-90 Bridge Electrical, Dresbach, MN; MN Veterans Home SNF, Minneapolis, MN; Castle Peak AL and SNF, Eagle Colorado; Mount Saint Benedict Monastery Addition, Crookston, MN; Ho-Chunk Casinos Four Site Expansion, Wisconsin; Trinity Springs AL and IL, The Villages, Florida*

#### CIVIL SITE GROUP



4931 West 35th Street, Ste. 200  
St. Louis Park, MN 55416  
Tel: (612) 615-0060  
Email: mpavek@civilsitegroup.com  
www.CivilSiteGroup.com  
Year Established: 2009  
Total in MN Office: 15  
Contact: Matt Pavek, (763) 213-3944

##### Firm Principals

Matt Pavek, PE  
David Knaeble, PE  
Robert Binder, LA  
Patrick Sarver, LA  
Craig Johnson, PLS  
Rory Synsteliien, PLS

Civil Site Group is an award winning professional consulting firm serving the land development marketplace with services in civil engineering, surveying, landscape architecture and municipal land entitlements. Our firm is built on a foundation of providing market leading professional site engineering services with a creative, integrated, solution oriented approach. Our project successes are most often the direct result of our client centered project management style and our un-paralleled team oriented mindset.

*Vandalia Tower, Commercial Redevelopment, St Paul, MN; Gallery Flats, Multi-Family Residential, Hopkins, MN; Wasserman Lake Woods, Single Family Residential, Victoria, MN; The Grain Belt, Multi-Family Residential, Minneapolis, MN; The Broadway & 612 Brewery, Commercial, Minneapolis, MN; Betty Dangers Country Club, Restaurant/Bar, Minneapolis, MN; Episcopal Homes Senior Housing, Senior Campus Expansion, St. Paul, MN; Metro Park East, Multi-Family Residential, Minneapolis, MN*



## CLARK ENGINEERING



12755 Highway 55, Ste. 100  
Minneapolis, MN 55441  
Tel: (763) 545-9196  
Email: info@clark-eng.com  
www.clark-eng.com  
Year Established: 1938  
Total in MN Office: 29  
Total In Other Offices: 38  
Other Offices: Sioux Falls, Aberdeen, Pierre, Watertown, SD  
Contact: Tanya Pierce, (763) 545-9196

**Firm Principals**

Dr. Abi Assadi, PhD  
Tim LaBissoniere, PE, LEED AP  
Cory Casperson, PE  
Vladimir Scheglowski, PE  
Kevin Goff, PE  
Don Weigel, PE  
Seth Spychala, PE

Clark Engineering is an experienced, multi-disciplinary engineering and technology firm with 80 years of dedication to meeting the needs of government institutions, property developers, consultants, contractors, industrial manufacturers, and others worldwide. We provide expertise in civil and structural engineering, survey, landscape architecture, and renewable energy and resource recovery technologies. Clark's structural engineers focus on quality, strength, safety, constructability, and cost effectiveness and excel at creating practical plans that are understood by contractors.

*Orchard Path Senior Housing, Apple Valley, MN; Gray Wolf Peak Casino, Evaro, MT; Rushford Peterson K-12, Rushford, MN; Pagel Ice Arena, Minnetonka, MN; Three Affiliated Tribes Law Enforcement Center, New Town, ND; Central Park Commons, Eagan, MN; Riverwood Bank, Baxter, MN; Humboldt High School Remodel, St. Paul, MN*

## COMMERCIAL AQUATIC ENGINEERING



6500 Carlson Drive  
Eden Prairie, MN 55346  
Tel: (952) 345-6447  
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www.fountaindesigns.com  
Year Established: 1997  
Total in MN Office: 22  
Contact: Greg Stoks, (952) 345-6447

**Firm Principal**

Greg Stoks

Commercial Aquatic Engineering (CAE) differs from many water feature companies in that we specialize in providing services to support all aspects of the project. This includes concept development and validation services, feature consultation on functionality and performance, budgeting analysis, construction documentation, installation, and maintenance support services. Our expertise includes structural design, waterproofing, finishes, mechanical operating systems and electrical control systems.

*Rainforest Cafes, worldwide; Lakewood Cemetery Renovation, Minneapolis, MN; 20 Washington Renovation, Minneapolis, MN; Hennepin County Government Center, Minneapolis, MN; MN Zoo Sea Otter, Penguin, Grizzly exhibits & Central Plaza, Apple Valley, MN; Bloomington Central Station, Bloomington, MN; New East Commons Park, Minneapolis, MN; Firemans Park, Chaska, MN*

## DUNHAM ASSOCIATES, INC.



50 South Sixth Street, Ste. 1100  
Minneapolis, MN 55402  
Tel: (612) 465-7550  
Email: info@dunhameng.com  
www.dunhameng.com  
Year Established: 1960  
Total in MN Offices: 115  
In Other Offices: 115  
Other MN Offices: Duluth & Rochester, MN  
Contact: Jay Rohkohl, (612) 465-7550

**Firm Principals**

Jay Rohkohl, PE  
Steven J. Gentilini, PE  
Matthew L. Jensen, PE  
Mark Azure, PE  
Darin May, PE  
Greg Steinmetz, PE  
Randy Olson, PE  
Tom Lind, PE

Dunham offers mechanical, electrical, and low voltage consulting engineering services to our clients across the United States. Our major practice areas are commissioning + energy services, commercial, education, healthcare, mission critical, and retail. 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.

*HealthPartners Neuroscience Center, St. Paul, MN; DATI Microgrid Technology Center, Bloomington, MN; Mayo Clinic, Jacobson OR Fit-out, Rochester, MN; St. John's University, Alcuin Library Renovation, Collegeville, MN; Hilton Hotel Remodel, Minneapolis, MN; Elk River Public Schools Recommissioning, Elk River, MN; Jack Links Headquarters, Minneapolis, MN; Galleria East End Expansion, Edina, MN*

## EAPC ARCHITECTS ENGINEERS



539 Bielenberg Drive, Ste. 115  
St. Paul, MN 55125  
Tel: (763) 225-5050  
Email: Andrew.jordan@eapc.net  
www.eapc.net  
Year Established: 1967  
Total in MN Office: 5  
In Other Offices: 122  
Other Offices: Bemidji, MN; Fargo, Grand Forks, Bismarck, Minot, Williston, ND; Sioux Falls, SD; Fort Collins, CO  
Contact: Andrew Jordan, (763) 225-5050

**Firm Principals**

Alan Dostert, AIA  
Wayne Dietrich, AIA  
Jim Tyler, PE  
Andrew Jordan, AIA  
Stanley Schimke, CID

EAPC is an award-winning, full service design consulting firm specializing in architecture, engineering, and business excellence services. EAPC was named a "2016 Best Place to Work For" in both categories of architecture and multidiscipline by Zweig Group.

*Allina Health - United Hospital ED Renovation, St Paul, MN; Courage Kenny Rehabilitation Institute, St Paul, MN; Sanford Medical Center Family Birth Center & NICU, Bismarck, ND; Essentia Health Cardiac Telemetry & Progressive Care Unit, Fargo, ND; CentraCare LEAN Assessment/Urgency Center, St. Cloud, MN; Basin Electric Power Cooperative Headquarters, Bismarck, ND; Precision Ag, South Dakota State University, Brookings, SD; Sheyenne Pioneer Plaza, West Fargo, ND*



**EMANUELSON-PODAS, INC.****emanuelson-podas**  
consulting engineers

7705 Bush Lake Road  
Edina, MN 55439  
Tel: (952) 930-0050  
Email: cblissett@epinc.com  
www.epinc.com  
Year Established: 1968  
Total in MN Office: 48  
Contact: Christopher Blissett,  
(952) 930-0050

**Firm Principals**

Michael A. Weibert, PE  
Matthew W. Fults, PE  
Scott A. Vander Heiden, PE  
John K. Nordstrom, PE  
Troy Nystrom, PE

Emanuelson-Podas (EP) a mechanical and electrical engineering firm specializing in the design of HVAC, building automation, plumbing, lighting, power, communications, life/safety, power generation and sustainable building systems, and offering full building commissioning services. A values-driven company, EP embraces a work approach rooted in collaboration and partnership. Key industry areas include the corporate, civic, education, fitness, financial, healthcare, hospitality, housing, industrial/manufacturing, municipal, restaurant, retail and worship sectors.

*Washington County Public Works, Stillwater, MN; The Wedge and Wedge Table, Minneapolis, MN; Higher Ground, St. Paul, MN; Life Time Fitness, nationwide; Blue Cross Blue Shield Auditorium, Eagan, MN; Machine Shop Event Center, Minneapolis, MN; St. Paul Public Schools, Highland Park Elementary and Horace Mann Elementary, St. Paul, MN; Shakopee Mdewakanton Sioux Community Cultural Center, Shakopee, MN*

**EMMONS & OLIVIER  
RESOURCES (EOR)**

7030 6th Street North  
Oakdale, MN 55128  
Tel: (651) 770-8448  
Email: kbiehn@eorinc.com  
www.eorinc.com  
Year Established: 1997  
Total in MN Office: 30  
In Other Offices: 3  
Other Offices: Iowa  
Contact: Kevin Biehn, (651) 770-6022

**Firm Principals**

Brett H. Emmons, PE  
Cecilio Olivier, PE  
Camilla Correll, PE  
Steve Pellinen, PE  
Derek Lash, PE  
Kevin Biehn, RLA  
Sonya Carel, RA, CID  
Stu Grubb, PG

EOR is a water-centric engineering and environmental consulting firm that specializes in: water resources engineering, watershed planning, and modeling; environmental compliance, biological surveying, and restoration; sustainable site design, planning, and landscape architecture.

*The Rose Sustainable Housing, Minneapolis; City for Zero SW Discharge, Inver Grove Heights; Transforming Central High School, St. Paul; West Side Flats Design Guidelines, St. Paul; Stormwater Re-use Study & Tool, Minneapolis; Minnesota State Stormwater Manual; City of Burnsville Sustainability Plan; Capitol Region Watershed District Office, St. Paul*

**ENGINEERING  
DESIGN INITIATIVE**

1112 North Fifth Street  
Minneapolis, MN 55411  
Tel: (612) 343-5965  
Email: jhruby@edilimited.com  
www.edilimited.com  
Year Established: 2002  
Total in MN Office: 18  
Contact: Jay Hruby, PE, (612) 343-5965

**Firm Principals**

Jay Hruby, PE  
Larry Svitak, PE

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EDI provides innovative M/E engineering solutions for a variety of building types. Our services include M/E engineering, 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 committed to teamwork - from defining initial performance goals through validation by commissioning.

*Hennepin County Walker Library, Minneapolis, MN; City of Roseville Fire Station #1, Roseville, MN; St. Paul Schools District Wide Security Upgrades, St. Paul, MN; Sherburne County Government Center/Courts Addition, Elk River, MN; Hennepin County E911/Dispatch Commissioning, Plymouth, MN; Beltrami County Jail Security Electronics Upgrade, Bemidji, MN; Clay County Jail and Law Enforcement Center, Moorhead, MN; Minneapolis Sculpture Garden Renovation, Minneapolis, MN*

**ERICKSEN ELLISON  
AND ASSOCIATES**

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

**Firm Principals**

Matthew E. Armstead, PE  
Terri A. Fleischhacker  
Todd A. Peterson, 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.

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*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  
& ASSOCIATES**

2550 University Avenue West  
St. Paul, MN 55114  
Tel: (651) 251-7570  
Email: info@eraeng.com  
www.eraeng.com  
Year Established: 1984  
Total in MN Office: 61  
Total in Other Office: 9  
Other Office: Eau Claire, WI  
Contact: Mike DeSutter, (651) 251-7570

**Firm Principals**

Michael A. DeSutter, PE  
William T. Buller, PE, SE  
Michael S. Steenson, PE  
Steve Clark, PE  
Jamie Richardson

ERA is a full service structural engineering firm delivering innovative and economical design solutions. Our experience includes: retail, commercial, medical, energy, multi-family, hospitality, educational, arts/entertainment, parking, sports/recreational, high-rise, renovation and remodeling. ERA is registered in 49 states, uses REVIT/BIM software and developed the patent ER-POST precast building system. Our services include: long-span structures, aircraft engine test facilities, dynamically loaded structures (strong floors, blast panels, seismic masses), investigations of building failures and analysis of prospective additions.

*Target Center Renovation, Minneapolis, MN; Mall of America Expansion, Bloomington, MN; Regions Birth Center, St. Paul, MN; Moxie Minneapolis Uptown Hotel, Minneapolis, MN; HCMC's Ambulatory Outpatient Specialty Center, Minneapolis, MN; Downtown East, Minneapolis, MN; The Rise at Prospect Park, St. Paul, MN; Exchange Building, St. Paul, MN*



**GAUSMAN & MOORE****Gausman  
& Moore**

1700 West Highway 36, Ste. 700  
Roseville, MN 55113  
Tel: (651) 639-9606  
Email: mleutgeb@gausman.com  
www.gausman.com  
Year Established: 1935  
Total in MN Office: 53  
Total in Other Offices: 18  
Other Offices: Duluth, MN; Los Angeles, CA  
Contact: Mark Leutgeb, (651) 604-3141

**Firm Principals**

Edward Studniski, PE, LEED AP BD+C  
James Manning, PE, LEED AP BD+C  
Dave Blume, PE, LEED AP BD+C  
Paul Haslach, PE, LEED AP BD+C

A mechanical and electrical consulting engineering firm providing design services for corporate, government, health care, industrial, educational, and retail clients nationwide. Our specialized services include: sustainable design, energy modeling, commissioning, fire protection, forensic studies, arc flash studies, mission critical power systems, laser scanning, and Revit MEP productivity software development. Our staff includes 17 licensed Professional Engineers and 15 LEED Accredited Professionals. We are committed to innovative, timely, and sustainable solutions for your building needs.

*MN National Guard Armory, Brooklyn Park, MN; St. Louis County Virginia Government Service Center, Virginia, MN; Fergus Falls Library, Fergus Falls, MN; Petcos, nationwide; St. Luke's Clinic, Ashland, WI; Target Corporation; Design Within Reach, nationwide; Louisiana Pacific, Hayward, WI*

**HALLBERG ENGINEERING, INC.**

1750 Commerce Drive  
White Bear Lake, MN 55110  
Tel: (651) 748-1100  
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www.hallbergengineering.com  
Year Established: 1979  
Total in MN Office: 44  
Other Office: Duluth, MN  
Contact: Andrea Loppnow, (651) 748-1100

**Firm Principals**

Richard Lucio, PE LEED AP, CEO/Principal  
Paul Fettingner, PE LEED AP, President/  
Principal

Hallberg Engineering offers a full range of services to satisfy all your mechanical, electrical and technology systems design and operations needs. Our process includes thorough, efficient coordination with a building owner's staff and design team, project consultants and architectural and interior design firms. Our services include: mechanical, electrical and technology design services; commissioning; energy modeling and property condition assessments. Hallberg Engineering is a Certified Minority-Owned Business (MBE) and a Disadvantaged Business Enterprise (DBE).

*Cloquet Middle School, Cloquet, MN; Stillwater High School, Stillwater, MN; Heywood II Bus Garage, Minneapolis, MN; Urban Outfitters, US Nationwide; H&M Stores, US Nationwide; Xfinity Neighborhood Stores, Nationwide; St. Paul Como High School, St. Paul, MN; Sherburne County Government Center Commissioning, Elk River, MN*

**HGA ARCHITECTS  
AND ENGINEERS**

420 North 5th Street, Ste. 100  
Minneapolis, MN 55401  
Tel: (612) 758-4000  
Email: info@hga.com  
www.hga.com  
Year Established: 1953  
Total in MN Offices: 353  
Total in Other Offices: 439  
Other Offices: Rochester, MN; Milwaukee, WI; Sacramento, San Francisco, San Jose, Los Angeles, CA; Washington DC  
Contact: Jennifer Haferbecker, Dir.  
Marketing (612) 758-4507

**Firm Principals**

Paul Asp, PE, SE LEED AP, Structural  
Chuck Cappellin, PE, LEED AP, Science,  
Technology/Manufacturing  
Pete Dahl, PhD, LEED AP, CEM, Energy &  
Sustainability  
Leighton Deer, PE, LEED AP, Sustainability  
Jeff Harris, PE, LEED AP, Mechanical  
Leigh Harrison, PE, LEED AP, Electrical  
Kenny Horns, PE, LEED AP, Civil  
Joe Wettrenach, PE, LEED AP Electrical

HGA offers Civil, Electrical, Mechanical, Structural and Industrial engineering services. HGA also has specialists in commissioning, clean environments, central plants, district energy, renewable energy production, energy master planning, 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.

*Ramsey County Library-Shoreview, Shoreview, MN; Carleton College, Weitz Center for the Arts, Northfield, MN; St. Paul Academy- Upper School Addition and Modifications, St. Paul, MN; Boulder Lakes Office Building, Eagan, MN; Redwood Area Hospital, Addition, Redwood Falls, MN; St. Elizabeth's Central Utility Plant, Anacostia Naval Station, Washington, DC; State of Minnesota Capitol, Restoration, St. Paul, MN; Brookview Community Center, Golden Valley, MN*

**KIMLEY-HORN****Kimley»Horn**

2550 University Avenue West, Ste. 238N  
St. Paul, MN 55114  
Tel: (651) 645-4197  
Email: tom.lincoln@kimley-horn.com  
www.kimley-horn.com  
Year Established: 1967  
Total in MN Office: 191  
Other Offices: 83 Offices Nationwide  
Total in Other Offices: 2,994  
Contact: Thomas J. Lincoln, (651) 643-0453

**Firm Principals**

Thomas Lincoln, PE  
Will Matzek, PE  
Paul Danielson, PE  
Trisha Sieh, PE  
Jon Horn, PE  
Jeanne Witzig, AICP  
Dan Elenbaas, PE, LEED AP BD+C  
Mike Brandt, PE

Kimley-Horn is a national consulting firm with nearly 200 professionals in its Twin Cities and Rochester offices, serving public and private sector clients across the Midwest. Kimley-Horn's capabilities encompass all phases of a project from early planning and due diligence through construction phase services. The firm effectively integrates planning, transportation planning, traffic engineering, transit design, civil engineering, structural engineering, and environmental services to efficiently meet the needs of our clients.

*NordHaus Mixed-Use Project, Minneapolis, MN; Thrivent Redevelopment, Minneapolis, MN; HealthPartners Parking Ramp at Bloomington Central Station, Bloomington, MN; Rosedale Mall Expansion, Roseville, MN; Discovery Square, Rochester, MN; Regions Hospital Birthing Center, St. Paul, MN; Cedar Point Commons Outlots, Richfield, MN; Market Street Redevelopment, Edina, MN*



**KOMA**

6115 Cahill Avenue  
Inver Grove Heights, MN 55076  
Tel: (651) 451-4605  
www.komainc.com  
Year Established: 1985  
Total in MN Office: 23  
Contact: Ashley Riley, (651) 789-4135

**Firm Principals**

Marc R. DuBois, AIA  
Matthew Van Hoof, PE  
Stephen T. Iaria, AIA  
Brian L. Riley  
Michael J. Lisowski, PE

KOMA offers comprehensive architectural, engineering and interior design services. We create inspiring, functional, people-oriented structures and spaces to meet the varied needs of a broad spectrum of organizations and industries.

*Lino Lakes Elementary, Forest Lake, MN; Wings Financial, Savage, MN; City Place Medical Center, Woodbury, MN; Midwest Steel, Plymouth, MN; Mary Queen of Peace, Rogers, MN*

**LARSON ENGINEERING**

3524 Labore Road  
White Bear Lake, MN 55110  
Tel: (651) 481-9120  
Email: info@larsonengr.com  
www.larsonengr.com  
Year Established: 1979  
Total in MN Office: 56  
Other Offices: AZ, CO, GA, IA, IL, MO, WI, WA  
In Other Offices 149.5  
Contact: Ann Skeie, (651) 481-9120

**Firm Principals**

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

*continued next column*

Larson Engineering specializes in structural and civil services. This includes new designs and remodels for industrial, commercial, retail, religious and residential facilities; as well as material handling systems and plant expansions. Larson provides site design, pavement maintenance services and athletic facility engineering services. Larson also excels in exterior cladding, curtain and masonry wall renovations and inspections.

*Transbay Transit Center, San Francisco, CA; The Blake School, Hopkins, MN; Vertical Endeavors, Bloomington, MN; Federal Courthouse Clock Tower, Minneapolis, MN*

**LKPB ENGINEERS, INC.**

3001 Broadway Street NE, Ste. 601  
Minneapolis, MN 55413  
Tel: (612) 540-5000  
Email: info@lkpb.com  
www.lkpb.com  
Year Established: 1969  
Total in MN Office: 43  
Contact: Jen Bolstad, (612) 540-5034

**Firm Principals**

John M. Killen, PE, LEED AP  
Michael A. Westemeier, PE, LEED AP  
Rhonda Smude, LEED AP  
Al Theisen, PE  
John Costello, PE, BEMP, LEED AP BD+C  
Jeff Allman, PE

Known for our hands-on approach and great design, LKPB Engineers, Inc. provides full-services mechanical, electrical, plumbing and fire protection design services to clients across corporate, residential, healthcare, hospitality, education, government, and entertainment market sectors. From our Minneapolis and Rochester offices, we work with clients across the country, and internationally. Throughout our 49-year existence, we have learned that solid engineering design can be flexible, cutting-edge technology should be proven, and codes can and should be challenged.

*continued next column*

*Mayo Clinic Health System, Mankato Hospital Surgical Renovation and Expansion, Mankato, Minnesota; Normandale Lake Office Park, Eau Claire, 8200 Tower, Bloomington, MN; Skye Apartments, Maple Grove, MN; Gustavus Adolphus College, Beck Academic Center, St. Peter, MN; Ally Financial Corporate Center, Ally Financial, MN; Grand Casino, Hinkley and Mille Lacs, MN; University of Minnesota TCF Bank Stadium, Minneapolis, MN; University of Minnesota Health Science Education Center, Minneapolis, MN*

**MATTSON MACDONALD YOUNG, INC.**

901 North 3rd Street, Ste. 100  
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Email: Stephanie@mattsonmacdonald.com  
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Year Established: 1983  
Total in MN Office: 20  
Contact: Stephanie Young, (612) 827-7825

**Firm Principals**

David H. Macdonald, PE  
Stephanie J. Young, PE  
Joe A. Cain, PE  
Kenneth J. Green, PE  
Kirk T. Davis, PE

Mattson Macdonald Young is a structural engineering firm providing innovative and economical design for a wide range of building types and sizes. With expertise in wood, light gauge, concrete, steel and masonry, our engineers collaborate on various projects from residential renovations to public sculptures to high-rises. Our history of client satisfaction is evident in our many long-standing relationships.

*Dorothy Day/Higher Ground, St Paul, MN; Minneapolis Armory Renovation, Minneapolis, MN; HCMC Campus-Roof Anchor System, Minneapolis, MN; Hmong Academy-Phase IV, St. Paul, MN; Pillsbury Machine Shop, Minneapolis, MN; Roseville Park and Recreation Renewal Program, Roseville, MN*

**MEP ASSOCIATES, LLC**

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www.mepassociates.com  
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Total in MN Office: 34  
In Other Offices: 56  
Other Offices: Rochester, MN; Eau Claire, WI; Verona, WI; Norman, OK; West Chester, OH  
Contact: Leah Smith, (651) 379-9120

**Firm Principals**

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Mike Luster, PE, LEED AP  
Jeff Urlaub, PE  
Mike Walters, PE, LEED AP  
Anthony Rongstad, PE  
Randy Jacobs, PE

MEP Associates, LLC is a full service, multi-disciplinary engineering and consulting firm focused on sustainable, energy efficient solutions for projects nationwide. Our expertise includes mechanical, electrical, lighting design, plumbing, fire protection, 3D laser scanning commissioning, and energy modeling services. We also specialize in the design of geothermal, photovoltaic, solar, thermal storage and other renewable technologies.

*Northpoint Health and Wellness Clinic, Minneapolis, MN; Mayo Clinic Guggenheim Lab Remodel, Rochester, MN; Carleton College Utility Master Plan, Northfield, MN; Hormel Institute, International Center for Research & Technology, Austin, MN; 3M Corporate, Building 223 Renovation, Maplewood, MN; University of Minnesota, Athletes Village, Minneapolis, MN; University of Minnesota, Tashjian Bee Discovery, Chanhassen, MN; University of Minnesota, Shepherd Labs Robotics, Minneapolis, MN; The Hormel Institute Expansion, International Center for Research & Technology, Austin, MN; Carlton College Campus Utilities Master Plan and Utility Conversion, Northfield, MN; Ball State University Campus Geothermal Conversion, Muncie, IN; Rochester Fire Station, Rochester, MN; Northpoint Health and Wellness Center Expansion, Minneapolis, MN*



**MEYER BORGMAN JOHNSON**

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STRUCTURAL DESIGN + ENGINEERING

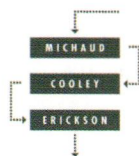
510 Marquette Avenue South  
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Year Established: 1955  
Total in MN Office: 78  
In Other Offices: 13  
Other Offices: Duluth, MN; Rochester, MN;  
Green Bay, WI; Phoenix, AZ  
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Jerod Hoffman, PE  
Jason Pederson, PE  
Kathleen John  
Matt Thomas, PE, SE  
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Michael Ramerth, PE  
Alan Hiniker, PE

MBJ provides innovative, thorough, and responsive structural design and engineering for all building types, delivering 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.

200 Central Avenue Tower, Minneapolis, MN; American Express Office Campus, Phoenix, AZ; Discovery Square Biosciences Building, Rochester, MN; KA Block Development, Minneapolis, MN; Nordic House Office, Minneapolis, MN; Target Field Station Hotel, Minneapolis, MN; Fairview Riverside East and West Campus Renovations, Minneapolis, MN; UMD Chemistry and Material Sciences, Duluth, MN

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Kerry Bruggemann, PE, LEED AP  
Jason Petermann, PE, LEED AP  
Eric Stelmack, PE, LEED AP  
Sean Tewalt, PE, LEED AP  
Greg Trendle, PE, LEED AP

Minneapolis-based Michaud Cooley Erickson (MCE) designs and commissions mechanical, electrical, lighting, fire protection, security, technology systems and energy management solutions for buildings of any size and function. MCE's dedicated professionals specialize in engineering-intensive projects and efficient internal systems operations, devising innovative engineering solutions in aviation, corporate, healthcare, science & technology, mission critical, and other markets. Our clients include more than 80% of Minnesota's Fortune 500 companies and all of the state's top ten employers.

Medtronic, Minneapolis, MN; Metropolitan Airports Commission, Minneapolis, MN; General Mills, Minneapolis, MN; Land O'Lakes, Arden Hills, MN; University of Minnesota, Bell Museum; Williston Airport, Williston, ND; US Bank, Nationwide, USA; Target, Nationwide, USA

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In Other Offices: 59  
Other Offices: Fargo, Grand Forks, Bismarck & Minot, ND; Sioux Falls & Rapid City, SD  
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Barry Morgan, PE  
Ryan Benson, PE  
Nick Berglund, PE  
Bret Anderson, PE  
Dan Gibson, PE

Built on a solid foundation, Northern Technologies, LLC (NTI) leads the industry in geotechnical engineering, construction materials testing, nondestructive testing, and forensic engineering. Established in 1996, NTI provides comprehensive engineering and testing services to a variety of federal, state and regional agencies, counties, municipalities, corporations, property owners, developers, contractors, engineers and architects. NTI's mission is to deliver client-centric services through trusted relationships and innovative solutions that exceed expectations while providing an environment for employee success.

University of Minnesota Athlete's Village, Minneapolis, MN; HCMC Ambulatory Clinic Building, Minneapolis, MN; HCMC Ambulatory Clinic Building, Minneapolis, MN; Hudson High & Middle Schools, Hudson, WI; Twin Cities Orthopedics Medical Office Building & Ramp, Edina, MN; 694 & Rice Street, St. Paul, MN; Tuffy's Milling Plant, Perham, MN; City of Woodbury Street Reconstruction & Public Works Expansion, Woodbury, MN; Becker County Jail, Detroit Lakes, MN

**REIGSTAD AND ASSOCIATES****REIGSTAD**

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In Other Office: 1  
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Gordon Reigstad, PE, SE, PhD  
Jim Collins  
Jason Reigstad  
Jared Reigstad, PE

Established in 1979, Reigstad & Associates, Inc. provides structural design, parking consulting, precast engineering, signage & wayfinding design, steel connection design, and special inspection for both new and renovation projects throughout the United States. Our goal is to provide a safe, efficient and economical system tailored to our clients' needs, meeting time and budget requirements. We offer alternate design options, consider availability of material and labor, bringing the latest in design technology to every project.

Grand Casino Renovation, Hinkley;  
Grand Casino Renovation, Mille Lacs;  
Shooting Star Casino, Bagley; MAC  
Philanthropies, Eden Prairie; City Place,  
Woodbury; SPIRE Credit Union, Roseville  
& Woodbury; Alfa Romeo/Fiat, Maplewood;  
Northern Stacks, Fridley



## SEH



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Other Offices: Denver, Lakewood, Pueblo,  
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IN; Des Moines, Mason City, IA; Brainerd,  
Duluth, Grand Rapids, Hutchinson,  
Mankato, Minnetonka, Rochester, St.  
Cloud, Virginia, MN; Omaha, NE; Bismarck,  
ND; Sioux Falls, SD; Appleton, Chippewa  
Falls, Delafield, La Crosse, Madison,  
Milwaukee, New Richmond, Rice Lake,  
Sheboygan, WI; Cheyenne, WY  
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### Firm Principals

Scott Blank, AIA, NCARB -Architecture  
Sue Mason, PE -Civil  
Tom Honer, PE -Mechanical/Electrical  
Ben Wolf, PE -Structural  
Miles Jensen, PE -Water  
Karen Cavett, PE -Wastewater

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complex challenges by improving  
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Osceola Discovery Center, Osceola, WI;  
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MN; Wadena Utility Building, Wadena, MN;  
Nicollet Mall Construction Management,  
Minneapolis, MN; Jackson Street  
Reconstruction, St. Paul, MN; Hudson  
#10 Water Treatment Plant, Hudson, WI;  
Fort McCoy Office Remodeling, Fort McCoy,  
WI; Lake Street Station Transit Hub,  
Minneapolis, MN

## STEEN ENGINEERING



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### Firm Principals

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Steven M. Youngs, PE

Steen Engineering provides  
mechanical and electrical  
engineering design from feasibility  
studies to construction documents.  
Design experience includes corporate,  
municipal, medical, hospitality,  
institutional and retail. Providing  
HVAC, plumbing, fire protection,  
lighting, power distribution, life  
safety, automatic temperature  
control, energy and analysis and  
deficiency studies.

KA Block, Minneapolis, MN; Hmong  
Academy, Minneapolis, MN; Applewood  
Pointe, throughout MN; T3, Minneapolis,  
MN; Hewing Hotel, Minneapolis, MN;  
The Island Residences at Carlson Island,  
Minnetonka, MN

## TKDA



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WA; Tampa, FL; Vero Beach, FL  
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Tom Stoneburner, PE, LEED AP  
Rusty Steitz, PE  
Robert Young, PE  
Brad Jones, PE  
Ruth Christensen, PE, SE

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Education, Government, and  
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Site Engineering; and Architecture,  
Interiors, and Landscape  
Architecture. Systems: Structural  
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Boiler and Chiller, Process Piping,  
HVAC, Plumbing, and Fire Protection;  
Power Distribution, Lighting, Fire  
Alarm, Security, Instrumentation and  
Controls; Access Roads, Parking Lots,  
Utilities, Water Supply, Water and  
Wastewater Treatment.

University of Minnesota - Ongoing  
Architectural, Mechanical, Electrical,  
Structural, Civil Projects; Minneapolis &  
Duluth MN; Saint Paul Public Schools -  
Johnson High School Addition & Renovation;  
Saint Paul, MN; Metropolitan Council  
Environmental Services - Wastewater  
Treatment Plant Upgrades; Minneapolis-St.  
Paul Metro Area; Metro Transit - Ongoing  
Architectural, Mechanical, Electrical,  
Structural, Civil Projects; Minneapolis, MN;  
Chisago County - Government Center  
Renovations; Center City, MN; Xcel Energy  
Ongoing Architectural, Mechanical,  
Electrical, Structural, Civil Projects; MN &  
WI; 3M Company - Ongoing Architectural,  
Mechanical, Electrical, Structural, Civil  
Projects; Nationwide; Cleveland-Cliffs -  
Ongoing Plant Engineering & Site  
Infrastructure Projects; MN & MI

## VAA, LLC



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Keith Jacobson, PE  
Mark Mielke, PE  
Brian Dalton, PE, SE  
Andy LaPalme, PE  
Quin Vincent  
Kelsey Brown, PE, SE  
Shawn Shahriar, PE

VAA appreciates architectural  
design priorities, recognizes other  
engineering disciplines and listens  
to owner objectives. We offer civil  
and structural engineering while  
regularly using 3D modeling for  
commercial and industrial buildings,  
including corporate, medical, retail,  
hospitality and Government-related  
work. Nationwide experience with  
architects, contractors and owners  
has bolstered our resume in seismic  
and high coastal wind design along  
with an understanding of regional  
construction techniques and  
materials.

Veterans Affairs Medical Center,  
Minneapolis, MN; Disney Springs The  
BOATHOUSE, Lake Buena Vista, FL; Maple  
Grove Junior High School Gym Expansion,  
Maple Grove, MN; Target Corporation,  
Nationwide; Camp Ripley Education  
Complex Addition, Little Falls, MN; MN  
Veterans Home Building 22, Minneapolis,  
MN; Roseville Fire Station #1, Roseville, MN;  
Harrah's Cherokee Valley River Casino,  
Murphy, NC



## Rough Rider Center

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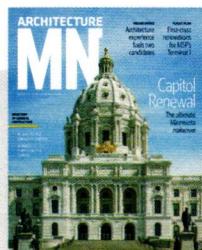
Location: Watford City, North Dakota  
 Client: Watford City  
 Architect: JLG Architects  
 Principal-in-charge: Dan Miller, AIA  
 Project lead designer: Jeff Steiner, AIA  
 Project manager: Jerry Richardson, AIA  
 Project team: Derek Maher, AIA; Ashley Vlasak, AIA; Adam Barnett, AIA  
 Energy modeling: Ford Metro, Inc.  
 Structural engineer: CW Structural Engineers  
 Mechanical and electrical engineer: ONE  
 Civil engineer: AE2S  
 Lighting designers: JLG Architects; ONE  
 Interior designer: JLG Architects  
 Construction manager: Kraus-Anderson Construction  
 Landscape designer: JLG Architects  
 Millwork and cabinetwork: O'Keefe  
 Flooring systems/materials: Advanced Terrazzo; Kiefer (indoor turf); Mondo (athletic floors); NCAA Final Four Court (portable wood floor)  
 Window systems: Ford Metro, Inc.  
 Architectural metal panels: MG McGrath  
 Concrete work: Wells Concrete  
 Photographer: Chad Ziemendorf

## Phenow Pavilion, Maple Grove Central Park

Page 30

Location: Maple Grove, Minnesota  
 Client: City of Maple Grove Parks and Recreation  
 Architect: U+B Architecture and Design  
 Principal-in-charge: Mark Burgess, AIA  
 Project lead designer: Nate Golin, AIA  
 Project manager: Edie Sebesta, Assoc. AIA  
 Project architects: Mark Burgess, AIA; Nate Golin, AIA  
 Project team: Nate Golin, AIA; Chad Haller, AIA; Edie Sebesta, Assoc. AIA; Mark Burgess, AIA  
 Structural engineer: Eric Bunkers  
 Mechanical and electrical engineer: Nelson Rudie and Associates  
 Civil engineer: Sunde Engineering  
 Lighting designer: Schuler Shook  
 Interior designer: U+B  
 Construction manager: RJM  
 Landscape architect: Damon Farber Associates  
 Landscape project team: Julie Aldrich; Jean Garbarini; Tom Whitlock; Matt Wilkens  
 Face brick: Kelleher Construction, Inc. (Manganese Ironspot Modular, Endicott Clay Products)  
 Stone: Kelleher Construction, Inc. (Honed Alabama Silver Shadow)  
 Cabinetwork: Siewert Premier Restaurant Equipment

Millwork: Siewert Cabinet and Fixture Manufacturing  
 Flooring systems/materials: Mondo Ramflex Rubber Flooring  
 Window systems: Empirehouse (Kawneer 500UT Storefront and Entrances and 1600UT Curtain Wall)  
 Architectural metal panels: Empirehouse (Firestone Metal Products)  
 Concrete work: Kelleher Construction, Inc.  
 Photographer: Andrea Rugg



## NOV/DEC 2017 CORRECTIONS

From architect Ernst Ibs, AIA: "The magazine came today and, as I was browsing through it, I noticed on page 40 the image of the SuperAmerica station. I built a 1/4-inch scale model of this building during the



MINNESOTA HISTORICAL SOCIETY

design phase in the offices of Grover Dimond in St. Paul. I was in Grade 1 at the School of Architecture at the time, 1959. The model was challenging to build because the Clouds (upper canopy) were made of translucent plastic, and the

white circular stair to the deck was also not easy. The design was created by a British fellow employed by Grover Dimond, who added a Rolls Royce to the model. Once completed, the model was flown to Chicago for internal illumination and signage studies. Cerny's office was not involved in the project."

Also, in our listing of the project credits for the restoration of the Minnesota State Capitol

on page 66, we omitted an important member of the project team: Alliance, the Minneapolis architecture firm responsible for the capitol's furniture, fixtures, and equipment (FFE). Alliance's Sharry Cooper, Deb Gil, Hannah Lyons, and Amber Sausen, AIA, led the FFE effort, which included extensive programming, evaluation, design, and procurement.



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Chad Holder Photography	C2		



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"PEAVEY PLAZA WAS THE HEARTBEAT OF MINNEAPOLIS IN THE 1970S," says Coen+ Partners' **Shane Coen** (left), whose firm is leading the 2018 rejuvenation of the landmark modernist landscape. "This is where you would come for beer and a brat and music at four o'clock when you got off work, or to take a break from work. This is where you came for concerts and political events and rallies. Going back into the history of the space has inspired our efforts to return Peavey to its origins as a civic 'living room.'"

"The water [in the fountain] has been turned off for so long that I think people are going to be blown away by how powerful that experience is," adds Coen+ Partners' **Robin Ganser** (right). "And we're adding a wide, raised basin on the plaza floor with a thin scrim of water that people can walk across. That kind of water feature is a magnet in cities like Chicago and New York. For Minneapolis to have one in this iconic location? I think it'll draw an enormous number of people."

For details on the Peavey Plaza renovation by Coen+Partners and Preservation Design Works, visit [www.ci.minneapolis.mn.us](http://www.ci.minneapolis.mn.us).



PHOTO BY CHAD HOLDER