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In 2007, industry leaders partnered with South Dakota State University to study the feasibility of establishing the state's first professional architecture program. Two years later, the South Dakota Board of Regents approved SDSU's request.

Four firms and one individual have already made commitments as "founding" members, providing financial support to launch this new and transformational program. The first department head has been hired and the first students will enroll in the program in September. South Dakota State University thanks the industry leaders (Architecture Incorporated, TSP Inc., Perspective and Koch Hazard Architects and 1958 alumnus Jerry Lohr) for their foresight, leadership and investment.

Additional industry partners are still being sought to support the Architecture Department. Contact the SDSU Foundation at (888) 747-7378 or info@sdsufoundation.org to learn how you can become a "founding" member or "benefactor" of SDSU architecture.



Representing the founders of the new architecture program at SDSU are: Elizabeth Squyer of Architecture Incorporated; Larry Crane of Perspective, Inc.; Jerry Lohr '58, president of J. Lohr Properties and J. Lohr Winery; Sean Ervin of TSP; and Jeff Hazard of Koch Hazard Architects.

This advertisement was paid for by the South Dakota State University Foundation.



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Architecture SD

| | |
|--------------------|----|
| President's Letter | 05 |
| Member News | 06 |
| A Year in Haiti | 10 |

FEATURES

| | |
|---|----|
| Collaboration | 16 |
| In COLLABORATION | 16 |
| Art + Architecture | 18 |
| Working WITH Landscape | 20 |
| Better TOGETHER, Design by the Rest of Us | 22 |
| Town PLANNING | 24 |
| COLLABORATION = LEED & Design Results | 26 |
| GROWING Big Ideas in Small Places | 28 |
| ASHRAE & INTEGRATED Design | 30 |
| COLLABORATION Equals SUCCESS | 32 |
| The EXPERIENCE Economy | 34 |
| Building COMMUNITY Through Historic Buildings | 36 |
| Coordination with BIM | 38 |
| 2010 AIA South Dakota Design Awards | 43 |

DEPARTMENTS

| | |
|--------------------------|----|
| Before & After | 53 |
| A Miracle on Main Street | |
| AIA Happenings | 54 |
| UPDATE | |
| Young Architects Forum | 56 |
| Electronic Collaboration | |
| Design SD | 58 |
| DesignSD: Hill City | |
| South Dakota LEGO'CY | 60 |
| Ward Whitwam | 62 |
| Rebel with a Cause | |
| Social Lites | 78 |

DIRECTORIES

| | |
|-------------------|----|
| Firm Profiles | 66 |
| Membership Roster | 76 |

CONTENTS

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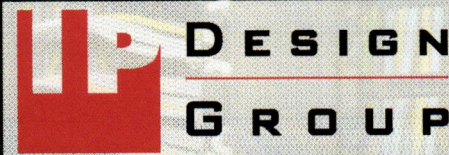


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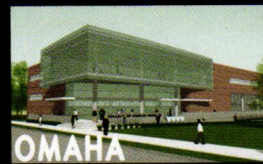
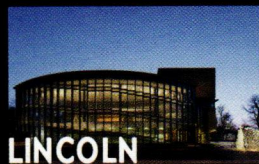
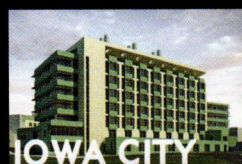
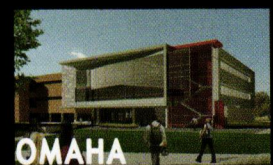
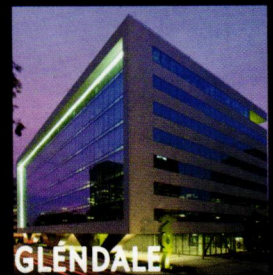
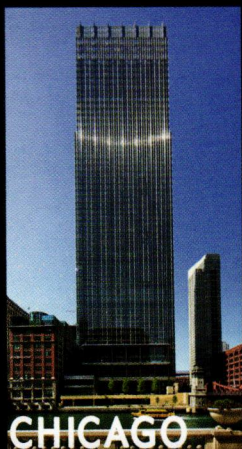
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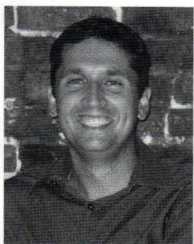
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Design Matters: Knowledge, Service, and Perspective



President
Larry Crane, AIA

This issue of *Architecture SD* magazine is a reflection of us all showing the sum of the pieces is greater than its individual parts. Through COLLABORATION, we continue to overcome during economically, professionally, and politically challenging times. As the smallest AIA state chapter in the country, we are planning to lead by example to show that "design matters" as the pivotal issue in defining value for ourselves and for our state.

Knowledge The practice of design and construction is ever changing, requiring more from all who are involved to produce quality. A new U.S. Green Building Council chapter for our state has been established to focus sustainable concepts and practices. Our state has officially adopted an energy code with raised awareness to maximize limited resources and improve the quality of living. And, the Architectural Master's Degree program at South Dakota State will be completing its first year this summer with a hope for future re-investment back into our professional community.

Service For decades, Ward Whitwam, has been our AIA Chapter's Executive Director. A special thank you from us all is more than deserved for his energy, vision, and plain stubbornness to not settle for something less. A new era has begun with Joe Bartmann, in partnership with the Rural Learning Center, in Howard, SD, as our new Executive Director. Joe is building on what Ward has established for our next generation of development. Design: South Dakota is continuing to provide high-quality professional planning services for small communities across the state. Our design professionals are donating their time and expertise at many levels in an effort to give back to our local communities, state, and areas around the world like Haiti.

Perspective Without it, we are lost; but with it, we provide the purpose to create meaning. This year will mark the merging of the Plain Green Conference and the annual AIA SD Convention. Our two organizations share a common mission relating to "green design" and sustainability. In the future, more partnering will be accomplished to raise the quality of our collective in-state design and construction professional's value.

This year will prove to be successful with your collaborative participation. Enjoy the magazine, and look forward to next year's issue!

Sincerely,

Larry Crane, AIA LEED AP
President, AIA South Dakota Board of Directors



2011
CONVENTION

plain green  11

design:SD



AIA



AIA South Dakota 2011 Convention

WHEN: October 13 & 14, 2011

WHERE: Downtown Holiday Inn | Sioux Falls, South Dakota

Design professionals will gather on October 13-14, 2011, for the annual AIA South Dakota Convention in Sioux Falls. This year's convention will have an exciting new look and all new learning and networking sessions. The convention is a gathering place for architects and all who collaborate with them to shape our buildings and communities.

Mark your calendars and sign up for AIA South Dakota's occasional e-news at aiasouthdakota.com to keep in the know about the 2011 convention and other events.

Plain Green 2011: Regenerate

The region's green design and business conference is set for October 14, 2011, at the Washington Pavilion of Arts and Science in Sioux Falls. This year Plain Green will go beyond sustainability by exploring "regenerative design" in a rapidly changing world. To register or become a sponsor, visit plaingreen.org.

Invite design:SD to Your Community

Imagine a team of architects and other design professionals and community development specialists helping your town shape its future. Design:SD team members volunteer for three-day workshops to look, listen, and learn, then sketch and illustrate your community's visions and goals in a way you can put to good work. To learn more about inviting the team or volunteering, visit designsd.org. Design:South Dakota is sponsored by AIA South Dakota and the Rural Learning Center. Read about design:SD Project Hill City on Page 58.

AIA's "How Design Works"

Hiring an architect for your residential or commercial design project could be the best decision you'll ever make. But many people don't know how or why architects make design work. At AIA's How Design Works For You Web site, you'll learn how to work with an architect, as well as how to find the right architect for your project. Visit howdesignworks.aia.org.

Architecture For Humanity

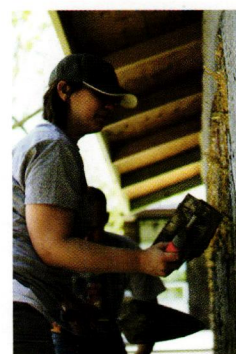


Architecture for Humanity is a non-profit organization providing design services to people who need it most. Each year Architecture for Humanity has a direct impact on over 10,000 people, with help from a network of volunteer design professionals like you.

As a newly formed chapter in Sioux Falls, we are committed to making a difference both locally and globally

through the power of design. We have hit the ground running, already having completed several exciting projects including participation in a national design competition, building a community tool shed in the Pettigrew Heights neighborhood, and facilitating a city-wide affordable housing competition.

Now we are looking for you to get involved. To learn more, contact info@afh-sfsd.org or visit www.afh-sfsd.org.



New Faces Join Leadership



Larry Crane, AIA of Perspective, Inc., architectural and design studio in Sioux Falls, began his two-year term as President of the AIA South Dakota Board of Directors in January. Larry has served on the AIA SD Board for 5 years and is also a member of the Architecture SD editorial committee, the design:South Dakota team, and the SDSU Architecture Program Founders Group. Reach Larry at president@aiasouthdakota.org.



Jacob Bunde, Associate AIA of Baldrige and Nelson Architects and Engineers, Inc., in Sioux Falls now represents AIA Associate members from the North Central Region (Minnesota, North Dakota, South Dakota, and Wisconsin) as our Regional Associate Director on AIA's National Associates Council. During his two-year RAD term Jacob will also lead efforts in our state to assist AIA Associate members in preparing for the ARE exams to become practicing architects. Reach Jacob at rad@aiasouthdakota.org.



Through a partnership with the Rural Learning Center in Howard, SD, Joe Bartmann serves as the new Executive Director of AIA South Dakota. Long-time former Director Ward Whitwam, FAIA, remains a key part of the leadership team. Reach Joe at joe@aiasouthdakota.org and Ward at ward@aiasouthdakota.org.

AIA South Dakota Scholarship Winners

Each year AIA South Dakota awards scholarships to 4th - 6th year architecture students who graduated from a high school in South Dakota.

2010 Award Recipients:



Jason Sumner

North Dakota State University



Jared Weismantel

North Dakota State University



Steven A. Dix

University of Nebraska, Lincoln



Holden Rasmussen

University of Nebraska, Lincoln

Scholarships are funded by an educational foundation. Contact Ward Whitwam at 605-334-2422 for information on making a contribution.



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SDSU Architecture Program Kicks Off

South Dakota State University's first ever freshman class of future architects began studies in Fall 2010. Students embark on a four-year undergraduate program followed by a two-year master's program. Read more about SDSU's Architecture Department from Brian Rex on page 30.

USGBC South Dakota Chapter



Armed with the mission "to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsible, healthy and a prosperous environment that improves our quality of life," the South Dakota chapter of the U.S. Green Building Council (USGBC) continues its efforts state-wide. Full chapter status will be achieved in 2011. The USGBC SD Chapter will hold a variety of educational workshops and webinars that will support the needs of green-building newcomers as well as seasoned LEED Accredited Professionals. Ten buildings in South Dakota have achieved LEED certification, and 58 projects are currently registered as pursuing LEED certification.

To become a member of the South Dakota chapter, or attend a sponsored event, go to www.usgbc.sd.wordpress.com

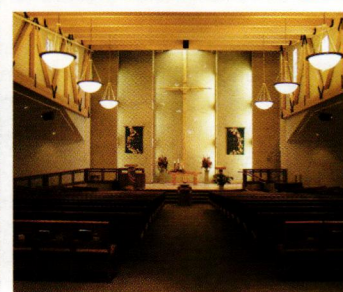
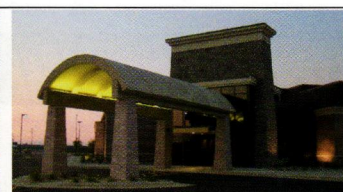


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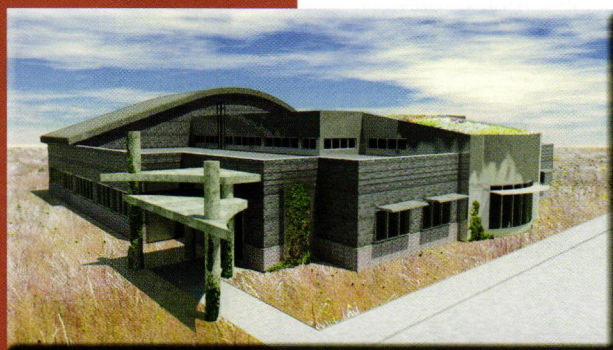
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A Passion For Design



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"Quality architecture is never an accident. It is the result of good design, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives."

Jeffrey J. Nelson, AIA
President

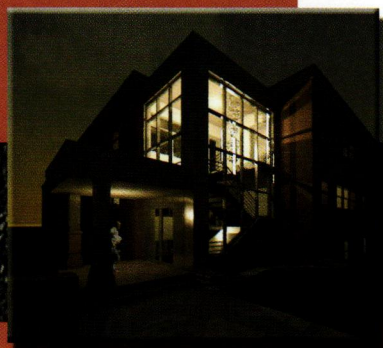
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EXPERIENCED



CDI Office Building



Kramer Hall, NSU



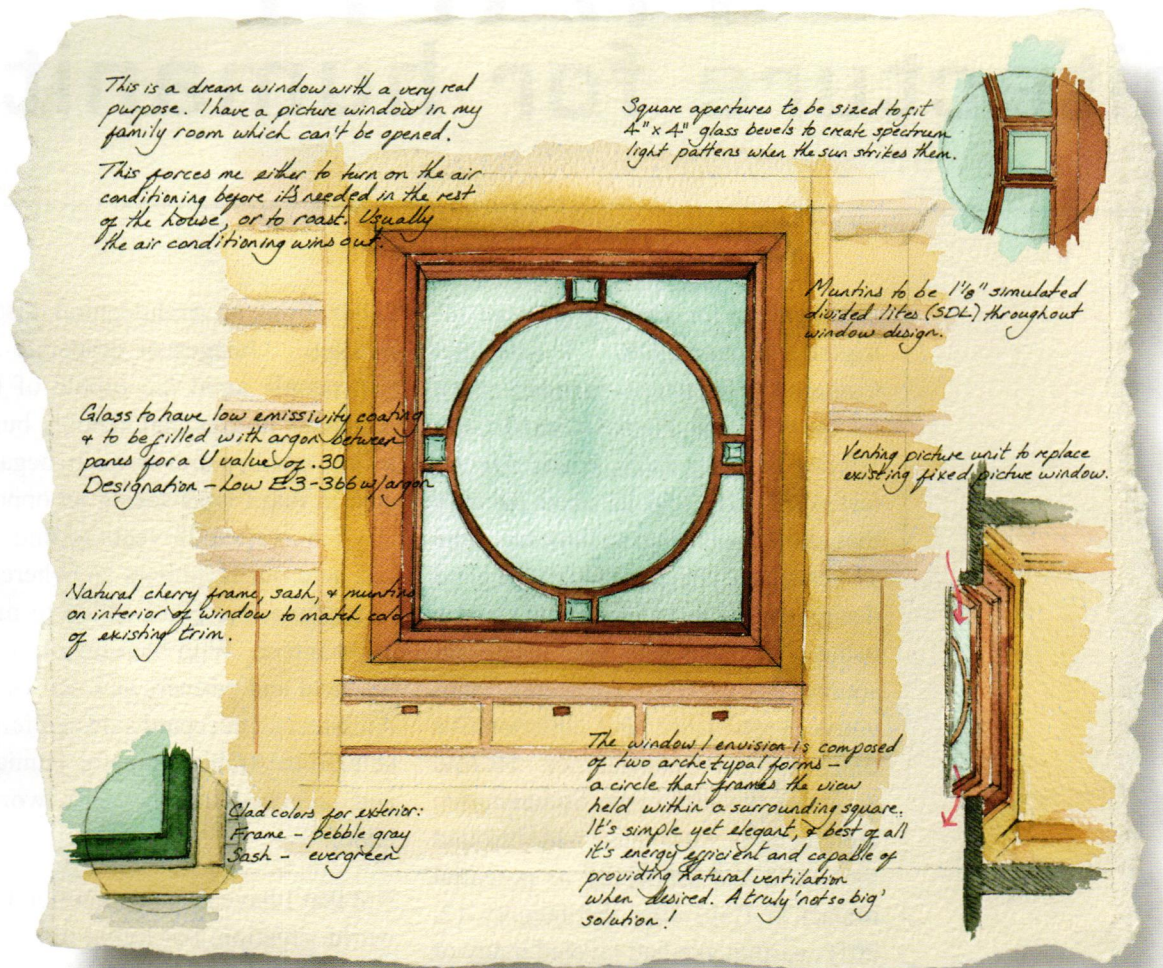
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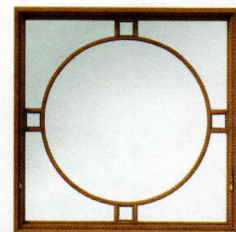
Sarah Susanka

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A YEAR IN HAITI WITH architecture for humanity



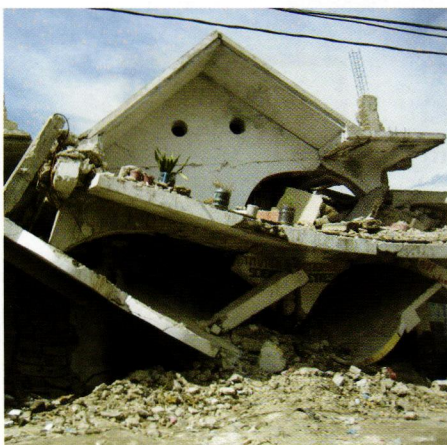
STACEY A. MCMAHEN, AIA LEED AP BD+C and principal at Koch Hazard Architects, provides leadership in the development and integration of high-performance and sustainable building strategies.

Architecture for Humanity is an intriguing organization. I first met Cameron Sinclair, co-founder, when he spoke at the Plain Green10 Conference in Sioux Falls, South Dakota, last April. He told us about an idea that started with two volunteers some 11 years ago, which was to make good design available to anyone, anywhere using the philosophy that where resources and expertise are scarce, innovative, sustainable, and collaborative design can make a difference. He told us about the difference humanitarian architectural work has made around the world and especially its potential impact in Haiti after the January 12, 2010, earthquake had leveled many of the buildings in Port-au-Prince and its surrounding region. My heart melted seeing the devastation and hearing statistics that would be repeated again and again about the number killed and left homeless, school-less, without work or shelter. The grim statistics are connected to real lives, unnamed and unseen people who continue to

suffer from an architectural disaster in Haiti. Images of desperate Haitian people amid the rubble of their collapsed houses and schools burned at my architectural core. It began to sink in that I was seeing an opportunity I'd waited 25 years to find. We can help our neighbors anywhere and at anytime, but Haiti called to me as an architect. With blessings from my husband and partners at Koch Hazard Architects, I accepted a design fellowship from Architecture for Humanity and launched into a year's work in Haiti.

Not that I haven't paid attention to the world situation, but living in a developed and resource rich nation has an insulative effect. It is sort of a weird cruelty to see firsthand how much less others have. Haiti is the poorest nation in the western hemisphere and its people painfully suffer the burden.

Architecture for Humanity responded to the earthquake in March 2010 by



| | Haiti | United States |
|---------------------------------|--------------------------|----------------------------|
| Median annual income | \$1,200 | \$46,000 |
| Potable water use per capita | 116 m ³ /year | 1,600 m ³ /year |
| Electricity use per capita | 28 kWh | 12,484 kWh |
| Forested Land area | 3.8% | 38% |
| Population under 15 years | 38% | 20% |
| Median Life Expectancy | 29 (55 pre-earthquake) | 78 |
| Infant mortality rate per 1,000 | 74 | 8 |
| Literacy rate (over 15 years) | 53% | 99% |



Three brothers watched as we toured a school site. (Photo by Stacey McMahan, Architecture for Humanity, Haiti.)

establishing a presence in Haiti and began focusing on schools. To rebuild schools in post-earthquake Haiti we have had to cultivate partnerships with some of the many other non-governmental organizations (NGOs) operating in Haiti (some for many years, while the architectural community seems to have been reticent until recently). There are basic needs in Haiti that architects are especially well prepared to help meet, like safe shelter. Through innovative and thoughtful design we can promote the adoption and use of building standards and codes, explore the use of strong alternative local building materials such as rubble and earth block, help solve the issue of lack of sanitation, and more.

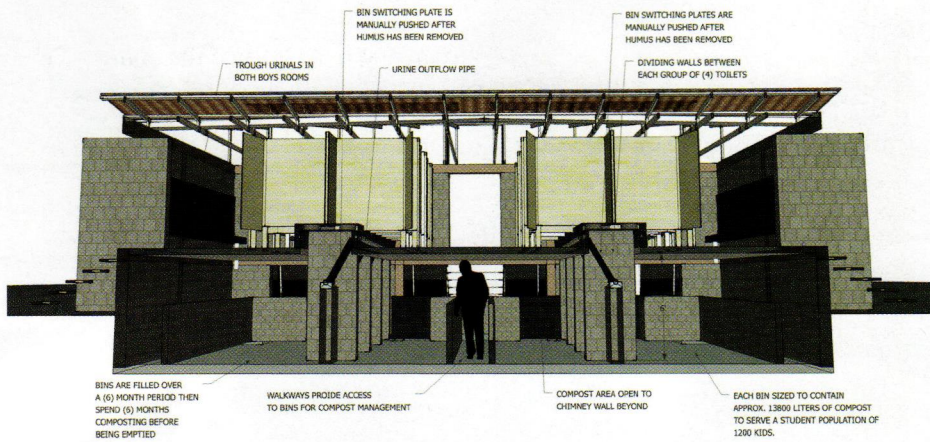
Three fundamental components of successful projects have turned out to be waste handling (composting latrines), clean water (rainwater catchment) and good construction materials and technologies (masonry and reinforced

concrete practices). Our partners are doing great work on very specific and smaller scale projects that have helped us adapt these essential elements for our schools.

POOPSOIL

Sustainable Organic Integrated Livelihoods (SOIL) is a non-profit organization dedicated to protecting soil resources, empowering communities, and transforming wastes into resources. They believe “the path to sustainability is through transformation, of both disempowered people and discarded materials, turning apathy and pollution into valuable resources.”¹ In other words, SOIL is turning poop into productive farmland, which is an amazingly important upcycle given that Haiti is 96% deforested and erosion has robbed most of its topsoil reserves. SOIL has been working in Haiti since 2006 and has taken up **Liberation Ecology** (a turn on Aristide’s Lib-

eration Theology), which is a combination of social justice and change mixed with the ecological belief that one organism’s waste will feed another. It is a challenge to the traditional definition of waste, which **flushes effluent down the drain** or, if you are in Haiti, into a pit latrine, which becomes a hotspot for diseases such as cholera. SOIL has installed several community toilet facilities in slums and temporary camps, effectively up-scaling bucket and sawdust technology. They provide training, organic layering material (i.e., sawdust), and poop pick-up, dumping the full buckets in a protected area for six months while the material converts to soil. By January, they will be producing 5,000 gallons of new soil per month for use by farmers as highly enriched, organic fertilizer. They have their vision set on a local poop economy where Haitians can build, maintain, and service composting latrines while selling the



Latrine block at Ecole Baptiste Bon Berger Pele²

end product to farmers. Liberation ecology, the circle of life, a seed of social change.

We began working with SOIL, touring their facilities, learning their process, and noodling on how to scale up to school-size composting latrines.

Our largest school design is for 1,000 students, which will require 32 toilets. Our task was to convert the higher maintenance bucket-removal process to an onsite storage and processing approach suitable for schools that are perennially short of staffing. Teaching students should be the focus of teachers, not emptying toilet buckets, so we

Often, the chore of gathering water falls to the youngest in the family. In this photo taken from International Action's Web site, a little girl carries a bucket and walks in a street gutter filled with dirty running water. She most likely took a bucketful back to her family.



created a chamber switching system that works on a 6-month rotation. Every semester, the levers are flipped and a new and empty compartment is ready to receive poop. Urine is diverted and the essential dry organic cover (sawdust, sugar cane byproduct from rum production, kitchen scraps, etc), kept in a storage space in the latrine 'block' is added after each use. Ventilation is achieved with a solar chimney with cross ventilation over the chambers. When the diversion mechanisms are flipped, full chambers are allowed to compost for 4-6 months before being emptied to an open-air facility for final composting. We've learned that when the material reaches 162 deg F, cholera bacteria and other nasties are killed, so it is essential that the shape of the chamber, added organic matter, liquid and oxygen content, etc., are all conducive to reaching this temperature. We are hoping to partner with SOIL to help the schools learn to properly use and maintain their new composting facilities. We are also hoping the composted 'humanure' will eventually be culturally accepted and used to fertilize kitchen gardens on the school grounds. Our Round One schools, complete with these innovative latrines, are scheduled to be under construction early this year.

Water

Haiti has a tropical climate with large semiarid areas in the interior plateau and elsewhere. Average annual rainfall in the Port-au-Prince area is 53 inches, with dry times sandwiched between two rainy seasons. Domestic water service is rare and sources of fresh ground water are just as scarce. Because sanitation is poor, water systems become a repository for **everything** while being used for **everything**. According to International Action, "Contaminated water is the leading cause of infant mortality and illness in children. Germs for **hepatitis, cholera, and chronic diarrhea are carried in water used for cooking and drinking**. Nearly every water source in Haiti has become contaminated with human waste because of the absence of a sewage sanitation system."

Rain water harvesting is a pragmatic and commonly used way of accessing relatively clean water for domestic use. If a cistern is strategically placed on or near the roof, captured water will gravity feed to locations of use within the buildings, such as kitchens and latrines for cooking, laundry, and handwashing. Available fresh water can also become a source of income if there is a large roof surface to collect the water, over-sized storage capacity, and convenient access. International Action and LifeGivingForce are two NGOs working to improve access to clean water in Haiti with two very different systems.

International Action uses a simple and inexpensive chlorine tablet system where a portion of incoming untreated water runs over the chlorine tablets, then mixes with untreated roof runoff in the cistern. The cost is about 25



Roadside block shop (Photo by Stacey McMahan, Architecture for Humanity, Haiti.)

cents per person per year for the system with little upkeep, which is great because it's simple and inexpensive. Our mantra is to keep everything simple, low-tech, and low-maintenance.

Our mantra is to keep everything simple, low-tech and low-maintenance.

LifeGivingForce has had a presence in Haiti for 4 years and has developed a series of filtration systems that range from first responder suitcase kits capable of providing clean water for 5,000 people per day to larger, two-cistern, community-sized systems.

Architecture for Humanity has also recently begun collaborating with Habitat for Humanity on a community

development project. In the town of Leogane, which lost 90% of its buildings in the January 12 earthquake, Habitat will build 665 homes, and Architecture for Humanity will provide design and construction oversight for clinics, schools, public open spaces and markets to be built over the next 3-5 years, as funding allows.

The area has no sanitation services, no domestic water, and no electricity. Infrastructure will be planned and eventually installed, but, initially, clean water will be provided through several community well sites with accompanying filtration systems such as the 75KUF from LifeGivingForce, which is designed to provide 75,000 liters (19,000 gallons) of water for 37,500 people per day. The initial cost of \$18,000 USD includes the LGF sys-

tem and tank storage for lightly treated non-potable water for cleaning and washing and another larger storage tank for drinking water. The power source is our off-the-grid sun.

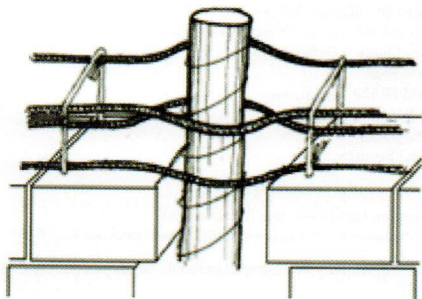
LifeGivingForce works with community leaders to encourage local ownership and maintenance to help ensure a sustainable building up of the community, as well as care and longevity of the system.

Masonry and Concrete

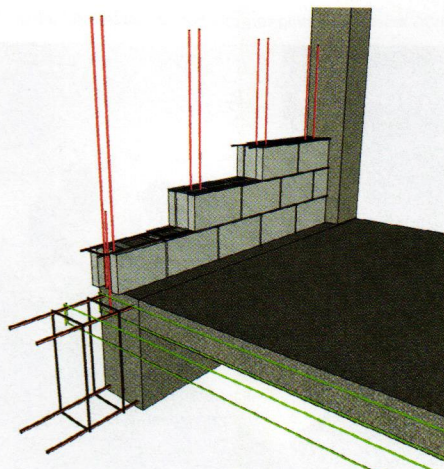
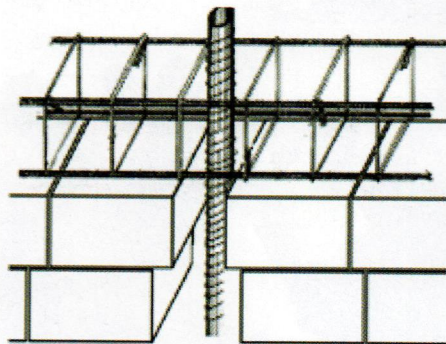
Material quality and construction methods have become increasingly poor in Haiti for a variety of reasons. Rubble is the visible proof of a failed system that accepted buildings built without codes, inspections, or testing. As a result, a quarter of a million people were buried beneath crumbled buildings in the January 12 earthquake.

In Haiti concrete blocks are made in roadside shops with half the prescribed amount of cement. Abundant but weak limestone is regularly substituted for river sand, while reinforcing is omitted or downsized from prescribed quantities. Ties are widely spaced and wrapped incorrectly, compounding building weaknesses, especially given a Haitian penchant for numerous columns, reduced shear walls, and ever-increasing floor plates and overhangs with successive stories.

Non



Wi!



3D detail from working drawings by Architecture for Humanity in Haiti



Typical concrete pour at an Architecture for Humanity rural school. (Photo by Darren Gill, Architecture for Humanity, Haiti.)

Architecture for Humanity is partnering with Appropriate Infrastructure Development Group (AIDG) to provide training to local masons, architects, and engineers in good construction techniques, including concrete and mortar mixing, rebar placement, block construction, and even the basics of seismic design within simple buildings. AIDG has developed a heavily graphic manual demonstrating good concrete and concrete-block practices. I attended a one-day training by AIDG; the class was full and those attending were quite engaged.

We are also learning how to create documents that are more easily understood by Haitian contractors and builders using 3D drawings of more complicated construction details and

notes in both English and French. The elements of safe building are new to Haitian builders and need to be carefully monitored onsite to ensure they are correctly implemented. We have found we need to be onsite almost full-time, watching, correcting, coaching, and training the builders to interpret our drawings. We've had to give stop-work orders to give us time to react to mistakes, make them tear out bad workmanship, change details to make up for ad-libbed construction, all the while trying to ensure the assemblies meet seismic and hurricane requirements. It has been a slow, frustrating, and sometimes comical process but we're making headway. It's essential that we do. Our goal is to build ten schools, meeting international code

standards, using Haitian skilled and unskilled labor, within 3-5 years.³

We're learning how to help Haiti build back better by working alongside them and, at the same time, changing the way we do things to make the knowledge transfer process easier. After explaining to a colleague 'what we're doing in Haiti,' he said, "It sounds like you are walking over a bridge as you build it." He was exactly right. 🇸🇪

AIDG masonry training course, photo by Stacey McMahan, Architecture for Humanity, Haiti.



¹ From the SOIL Web site <http://www.oursoil.org/>

² Special thanks to volunteer Hill Pierce for his work in developing this design

³ An interesting side note – schools here are very simple, providing classrooms, administration offices, a small kitchen, and latrines. There are usually no mechanical systems and very simple electrical systems. We are budgeting schools at \$10K to 15K per student, as compared with schools in the U.S. which generally cost 10 times that amount.

Information resources:

Central Intelligence Agency
Food and Agriculture Organization of the United Nations
Index Mundi – Demographics
World Bank
World Health Organization
The World Fact Book
Demographia
Global Security

Other essential resources:

Humanure Handbook, free for download
<http://humanurehandbook.com/store/Humanure-Handbook-EBook.html>

Confined Masonry Workshop Handbook, developed and used by AIDG
<http://www.aidg.org/documents/CM-Handout%20MASTER%20v3%20English.pdf>



K O C H • H A Z A R D
A R C H I T E C T S

Shaping Communities for 50 years

IN

COLLABORATION



**"MAKING ARCHITECTURE IS LIKE WRITING A NOVEL.
MAKING A WORK OF ART IS LIKE WRITING A POEM."**

– MAYA LIN



TOM REASONER, AIA
Tom is a free range architect practicing in the upper Midwest. He can be reached at tomreasoner@gmail.com.

Maya Lin, the fourth-year architecture student who won the design competition for the Vietnam Veterans Memorial in Washington, DC, certainly one of the most distinguished and recognizable built forms in our country today, went on to become a fine and applied artist. Her works range from architecture to landscape architecture to gallery installations, and her words echo that of the design process.

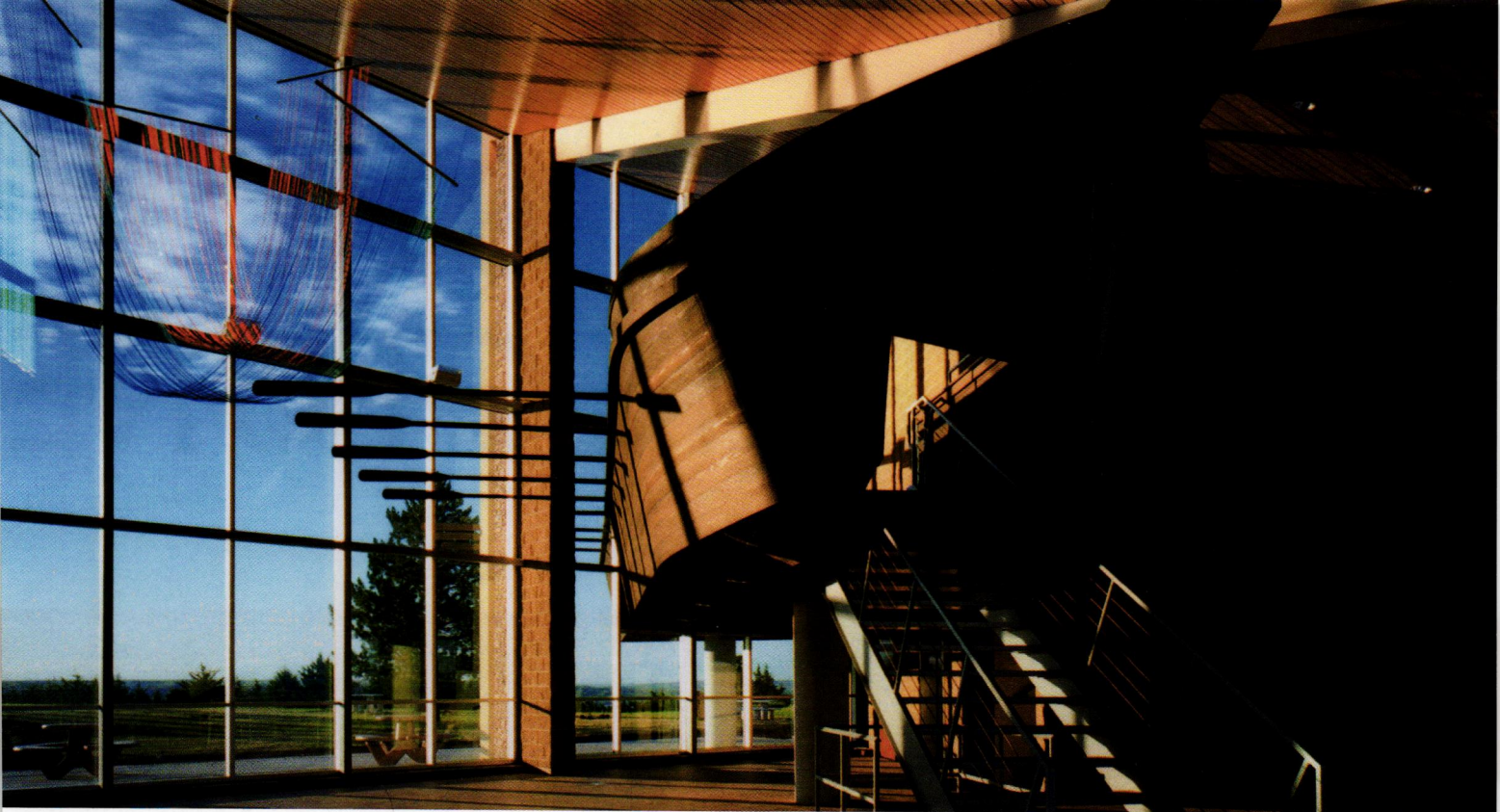
Her observation discerning the difference between art and architecture is a telling metaphor. A work of architecture is the culmination of a shared vision, a creation for which no one individual can claim total responsibility, other than for liability issues. From the blinding synthesis of a 'thumbnail sketch' to the mind-numbing rigors of shop drawings, the process is one that invites, indeed, thrives and lives on collaboration. Not the collaboration of enemy sympathizers, no matter how many times you had to call the supplier. Instead, the companion definition of a co-laborer: to work jointly with others, especially in an intellectual endeavor.

Some collaborators leave more intangible signs of their involvement, from paper trails of financial wherewithal and planning permissions, to the invisible (except to the x-ray vision of engineers) support-

ing roles of services and structures that give life to the more concrete and visible forms we compose. From the quarry to the clay pit, the foundry to the mill, the drawing board, or LCD—resources are combined and culled into a tangible and hopefully delightful creation, worthy of holding public space and providing purpose.

The construction documents of a century ago were true blueprints with pages of specifications typed on onionskin paper you could probably count with your fingers as opposed to our tomes of today. Yet the computer driven technologies that helped create our information age have also helped make a complex process more comprehensive and coherent. From computer-aided design (CAD) programs to the introduction of building information modeling (BIM) systems, our combined efforts are all the more responsive and potent.

Our unfolding mission to serve our planet as our ultimate client will mandate that we "remake the way we make (and build) things" if we are to rein in the energy consumption of our buildings and help provide environments that contribute to a sustainable whole rather than isolated microclimates or vulnerable monocultures. To do so will require even more concerted



and collaborative thinking, planning, manufacturing and building. Collaborators range across the design disciplines as well the public and private sectors of our designing and building matrix.

Collaboration implies a successful union of designers with design intent, licensed or apprenticed, journeymen or middlemen. Each writes a chapter in the book; the page lengths may vary, but the novel would remain a draft without their contributions. When a building is just the sum of its parts, it's just that, a building; when it's greater than the sum of its parts, it's architecture and collaboration helps make it so. The following articles will give voice to some of the many co-authors that combine forces and experiences to give shape and meaning to our physical world. No cornerstone can ever attest to the true energy and talent embodied in a work of architecture. 🍷

"Architecture is always dream and function, expression of a utopia and instrument of convenience."

—Roland Barthes

Project Team Members

Design Architect:

Ward Whitwam, FAIA
Sioux Falls, SD

Architect of Record:

Architecture Automated
Gene Murphy, AIA
Sioux Falls, SD

General Contractor:

Sioux Falls Construction
Ron Hammer
Sioux Falls, SD

Mechanical/Electrical Engineers:

(geothermal)
West Plains
Sioux Falls, SD

Structural Engineers:

Clark Engineering
Sioux Falls, SD

Artist - Interior Rolling Gate:

Carl Grupp
Sioux Falls, SD

Artist - Stainless Steel Laser Cut Panels:

Bob Aldern
Sioux Falls, SD

Artist - Hanging Bead Work:

Elissa Guderyahn Whitwam
Sioux Falls, SD

Earthwork:

Schoenfelder Construction
Mitchell, SD

Traffic Control:

Dakota Trails Contractors of Selby, Inc.
Selby, SD

P/C Headwall:

South Dakota Concrete Products
Pierre, SD

Pre-cast Panels:

Gage Brothers Concrete Products, Inc.
Sioux Falls, SD

Masonry:

James Williams Masonry, Inc.
Avon, SD

Structural & Ornamental Steel:

Eggers Steel Company
Sioux Falls, SD

Electrical:

Bickner Electric
Kimball, SD

Doors & Hardware:

Steeler Door & Hardware
Sioux Falls, SD

Specialties:

Combined Building Specialties
Sioux Falls, SD

Ceramic Tile:

Falls Tile Company
Sioux Falls, SD

Acoustical & Wood Ceilings:

F.M. Acoustical Tile Company
Sioux Falls, SD

Elevator:

Lagerquist Elevator Company
Sioux Falls, SD

Plumbing:

Mitchell Plumbing & Heating
Mitchell, SD

HVAC:

Paulson Sheet Metal, Inc.
Mitchell, SD

Painting:

Friessem Painting
Hartford, SD

Casework:

Pine Valley
Sioux Falls, SD

Lumber Products & I-Joists:

J.W. Horner Lumber Company
Sioux Falls, SD

E.I.F.S. & Drywall:

Gerald Johnson Plastering & Drywall
Sioux Falls, SD

Metal Roofing:

Architectural Sheetmetal Works, Inc.
Sioux Falls, SD

Caulking:

Gene Rollinger Caulking
Sioux Falls, SD

Glass & Glazing:

Interstate Glass & Door
Mitchell, SD

ART + ARCHITECTURE

Artists and architects have collaborated on some of the world's most successful buildings.



STACEY A. MCMAHAN, AIA, LEED AP BD+C and principal of Koch Hazard Architects, provides leadership in the development and integration of high performance and sustainable building strategies.

Architects love to design buildings that transform spatial experience into emotion. More than functional and comfortable enclosures with sufficient parking, buildings should be full of delight. There are no certain design recipes, but art can be partnered with architecture to create exceptional places.

Artists and architects have collaborated in some of the world's most successful buildings. Try to imagine Gothic churches without gargoyles, the Trevi fountain without sculpture, or the Sistine Chapel without Michelangelo's frescoes. Churches have had a special love affair with art throughout history and still use art to convey meaning and evoke emotional response. Libraries, offices, and schools can also gain through a partnership with art. People spend a third or more of their lives in such places and can benefit from thought-provoking surroundings that help lift up their day-to-day experiences.

Art can be partnered with architecture in many ways: as pieces added to embellish a space after construction or as design railings, fixtures, fritted glazing (translucent or opaque material fused to glass), relief murals cast into precast concrete panels, and so on—the list is endless. Creative partnerships can also be formed when “art opportunities” are designed into a building or site to be filled by commissioned or donated works of art.

Art-architecture integration has been significant in the history of Our Savior's Lutheran Church in Sioux Falls. Building on the legacy of a Bob Aldern mural on a clerestory-lit chancel wall and a Palmer Eide mosaic on

a prominent exterior façade among many other works, the church wished to continue the tradition in their 2010 facility expansion. Working with the building and art committees, Koch Hazard Architects used a call-for-art process to select an artist to create large mosaic tile murals depicting the 7 days of creation for the exterior of the new worship center. The process followed these steps:





As a testament to the success of this endeavor, Our Savior's Lutheran Church was the recipient of a 2010 AIA SD Merit Award.

1. A Request for Qualifications (RFQ) was issued to find interested artists. The RFQ described the church and its history, the building project, and parameters of the commission, including location, size, medium, and budget. Many artists submitted samples of their work, resumes, and references. All were reviewed by the art committee and a short list of artists was selected.
2. The shortlisted artists were then asked to submit proposals for the mosaic panels using a Request For Proposal (RFP). The RFP requested a preliminary design describing the artist's vision for the work based on the theme and other information provided. Of four proposals received, the committee selected two finalists to present their work and explain their ideas.
3. The art committee convened, listened to each finalist, then made their final selection for the commission.

The selected artist, Eyob Mergia, is one of the region's most sought-after liturgical artists. As it unfolded, the process of finalizing the mosaic design involved close cooperation among the artist, the committee, the architect, and the fabricator/installer. The spectacular outcome is the result of open communication, hard work, and great artistic creativity. Donations by members of the congregation, Syverson Tile and Stone, Sicis (glass mosaic tile factory in Italy), Jans Corporation, and Koch Hazard Architects helped make it possible.

This process and its result will be a powerful testament to the dedication and faith of the church for as long as its building stands. It is a great example of the power of art and architecture to transform each other into something more than either could be on its own. 🌹

Eyob Mergia's panel design from which the final mosaic murals were created.



WORKING WITH



The outdoor exhibit space exposes visitors to a diverse play environment that encourages interaction and manipulation.



LYLE PUDWILL, ASLA is a Landscape Architect and Senior Project Manager with Confluence in Sioux Falls, SD. Confluence's work includes a wide range of public, educational, institutional, and private sector projects. The Confluence design process is focused on collaboration and interaction with our clients, consultants and the community in which we work. lpudwill@thinkconfluence.com

The Fall of 2010 witnessed the opening of the new Children's Museum of South Dakota (CMSD) in downtown Brookings. The vision for this project and the collaborative efforts of the owner group, city entities, and design team resulted in a new landmark destination and cultural jewel for the city of Brookings.

The collaborative process for the Children's Museum started long before the design team was in place. In 2006, the Larson Family Foundation approached the City of Brookings and the Brookings School District about their bold vision to create a world-class children's museum. At that time, the school district was in the process of planning a new elementary school, and the historic downtown Central Elementary School (built in 1936) was soon to be left without a tenant. Arguments for the construction of the museum outside of the downtown core could have been easily justified based on public exposure and site access. Instead, community leaders gravitated to the Larson Family Foundation vision of rehabilitating the downtown landmark to provide this new cultural asset. The decision to locate the museum downtown has spurred additional redevelopment in the museum neighborhood and will provide a continued economic benefit to the downtown district.

The primary goal for the museum project was to build a fun and interactive place for children to embrace curiosity, creativity, imagination, and innovation. The majority of the museum exhibits tie directly to the culture and history of the region. The owner group had extensively researched their project, and they brought great enthusiasm and high expectations to the process.

By early 2008, assembly of the project team was under way, and the design process had begun. The team of architects, landscape architects, exhibit programmers and designers, and the general contractor joined with the owner-stakeholder group for a series of collaborative design charrettes that shaped the exhibit program, building design, and site elements. The scope of the project and the content of the exhibits evolved significantly during the process, even through construction, but the final result is a museum experience that flows seamlessly inside and out.

Architecture Incorporated of Sioux Falls provided design services for the building renovation and for the addition of a new entrance pavilion. The facility features nearly 20,000 square feet of indoor exhibit space, along with program and party rooms and a restaurant. Among the many interior exhibits, "Kids Street" features businesses

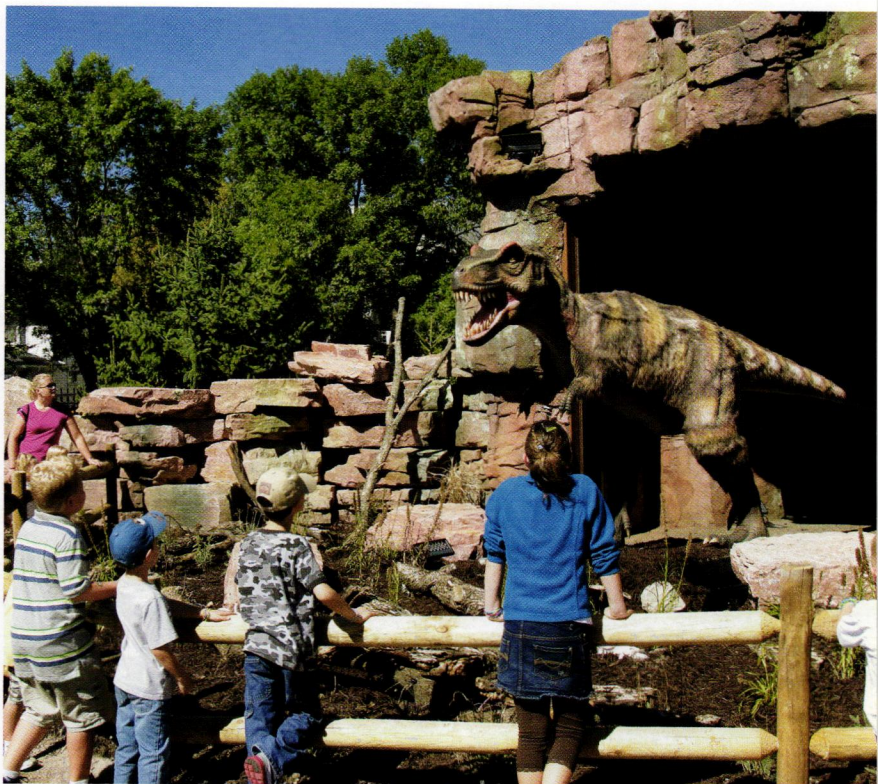
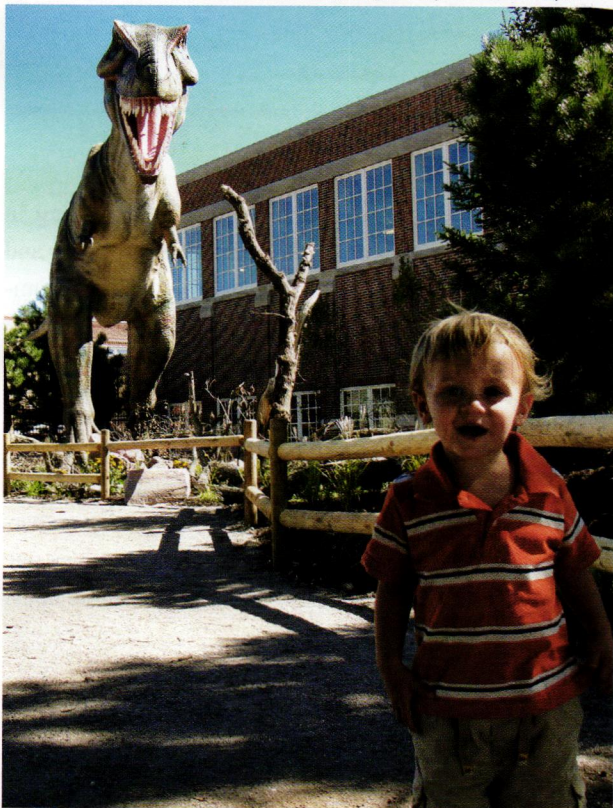
LANDSCAPE

typical of any community—including a grocery store, restaurant, and mechanic shop, all with a play environment that encourages interaction and manipulation. The “Sensations” area provides opportunities for kids (and adults) to explore their senses of sight, sound, and touch. In the renovated gymnasium, a visitor can climb two stories through the “Cloud Climber” for a look over the “Our Prairie” exhibit that celebrates our rural communities.

The building renovation was planned with LEED certification as a goal. Among the sustainable design decisions were the use of recycled materials, the restoration of all existing windows to open the building back up to natural light, and the repurposing of existing gym bleachers in creative ways as balcony railings, new seating, and exhibit components.

Confluence, Inc., a regional landscape architecture firm, was brought on to help program and lead the exterior design effort for the 3.45-acre site, including 1.5 acres of exterior exhibit space and the adjacent streetscape improvements. Nature play was the unifying theme of the outdoor exhibit space. The site exhibits include an interactive

The siting and orientation of the T. rex exhibit was carefully considered in order to provide optimal views from within, while buffering the adjacent streetscape.



An authentic home for the T. rex family is accomplished through the use of broken logs, berms and boulders, large evergreen trees and a rustic landscape.

stream and fountain, dig pits, a rolling hill and tunnel, a mud-pie kitchen, stacking and climbing elements, a maze, a winter skate pond, a large equipment display area, and an animatronic T. rex exhibit (Mama and Baby).


The site design was also planned with sustainability in mind, incorporating large areas of native plantings, pervious aggregate pathways, and a landscape with a low dependence on supplemental water. The streetscape and parking improvements increase the efficiency of traffic patterns and create a civic campus feel among the museum and the adjacent Senior Center, Community Cultural Center, and Public Library. The perimeter of the CMSD property was developed to work in conjunction with the redeveloped streetscape and to respect the historic character of the downtown.

The opening of the Children’s Museum of South Dakota was the result of a strong vision and a project team that embraced a challenge. Collaboration was an essential key to the successful delivery of the project. Check out the museum at www.prairieplay.org, or make the trip to Brookings for a visit. But watch out for Mama; she’s been known to bite! 🦖

BETTER TOGETHER



The Rural Learning Center is a product of visionaries. Both organization and place, it is a platform for rural people to discover, teach, share and reimagine – together.


LINDSEY KARLSON is a Community Outreach Coordinator at the Rural Learning Center, located in Howard, South Dakota. The Rural Learning Center, along with the SD Chapter of AIA, has sponsored the development of Design:South Dakota as a part of their community outreach portfolio. You can reach her at lindsey.karlson@rurallearningcenter.org.

Design impacts our every day. It shapes our travel patterns, our communities, and our perspective. Often we don't have the ability to influence design in a meaningful way. But sometimes we do. That was the case in Howard, SD, during the design phase of the Maroney Rural Learning Center.

Intentional community engagement was important from the start; the project was the result of over 15 years of intentional work to create a new and better future for those who call Miner County, SD, home. It would also become the single largest construction project Howard had ever seen, relying on a host of partners and financial investments from community members and businesses alike.

And when something this big is happening in such a small place, it has to be designed for and by the people who are making it happen. Community members couldn't do it alone, though.

The Need for Something New

In the spring of 2008, a mix of architects, key stakeholders, and community members began conversations about a new community gathering place in Howard. "A living room," as one participant described, where people could come to eat, rest, and meet.

The new building was necessary because of the community's aggressive development efforts. Those efforts had humble beginnings, but had

DESIGN BY THE REST OF US

grown into a nationally recognized rural development initiative. A growing renewable energy economy was the most visible result, alongside other important changes including new housing developments, a growing retail sector, and amenities for senior citizens.

The building would serve a dual purpose – a place for local community members to gather for meetings and events, alongside a training center for rural residents to learn about the ongoing work of revitalizing rural communities and opportunities presented by the green economy.

Designers, Meet Community

The design process defined both what the building would be and how it would look. More than 75 local residents, led by Koch Hazard Architects in four community workshops, discussed the facts, concepts, needs, and goals that would determine both the building's design and function. During the course of the workshops, residents also participated in an extensive survey to determine how the building should look and feel.

The ideas surfaced during the workshops brought a new depth of thought into the mix. Residents believed the building should connect to the entire community, teach people something as they drive up and then walk through it, have lots of flexible space, and be a year-round attraction. Oh, and of course, it needed to be built with an eye toward sustainability and efficiency to match the community's growing renewable energy niche.



A Product in Process

The building that was designed by the rest of us is being constructed along Howard's Main Street. The 30,000+ square foot LEED Platinum building will house a conference and training center, restaurant, 24-room hotel, and a host of learning opportunities for community residents and visitors alike.

And the design is beautiful. Not only because it's visually appealing, but because it's an example of what design should be. A perfect balance of community expression and designer's eye. And what's better is that you can find it on Main Street in a small town in South Dakota. 🍷

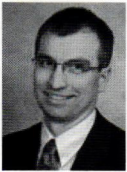
A growing renewable energy economy was the most visible result, alongside other important changes.



TOWN PLANNING

"If we could first know where we are and whither we are tending, we could better judge what to do and how to do it."

— Abraham Lincoln



NEIL PUTNAM, City Planner, City of Mitchell, SD; President, South Dakota Planners Association; Vice-President, Western Central Chapter of American Planning Association. nputnam@cityofmitchell.org

Lincoln's wisdom captures the motive of Mitchell leaders in initiating a community-wide visioning process and strategic plan called "Focus 2020." In the summer of 2008, representatives of the City of Mitchell, Davison County, Dakota Wesleyan University, Mitchell Public Schools, Avera Queen of Peace Hospital, Mitchell Area Chamber of Commerce, and Mitchell Area Development Corporation collaborated to strategize on launching Focus 2020. According to a September 4, 2008, press release, the process will "set a road map for the future with those that live, work, and play in the community."

In the spring of 2009, Focus 2020 leaders developed a planning model and formed a steering committee that received reports from eight subcommittees.

Membership in the subcommittees was open to anyone interested, and those with expertise were asked to serve. Meetings were advertised and open to the public. Periodically, the steering committee and the subcommittees jointly hosted open houses. These events provided opportunities for all involved in Fo-

cus 2020 and citizens to hear progress reports and provide input. The local media were invited and reported on these events and other activities.

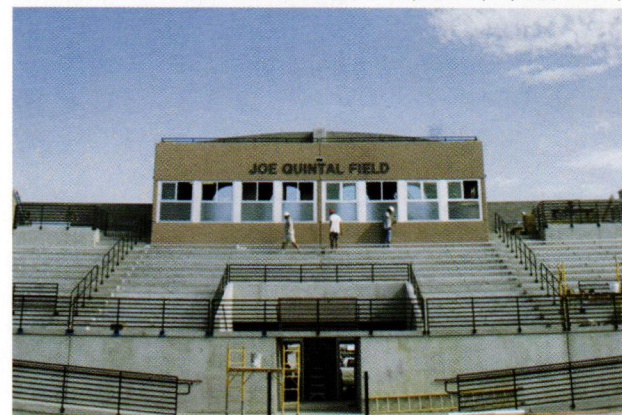
The subcommittees used data, expert testimony, site visits, surveys, and other research in developing their recommendations. They were charged with production of final written reports to be available to the public (www.focus2020.org).

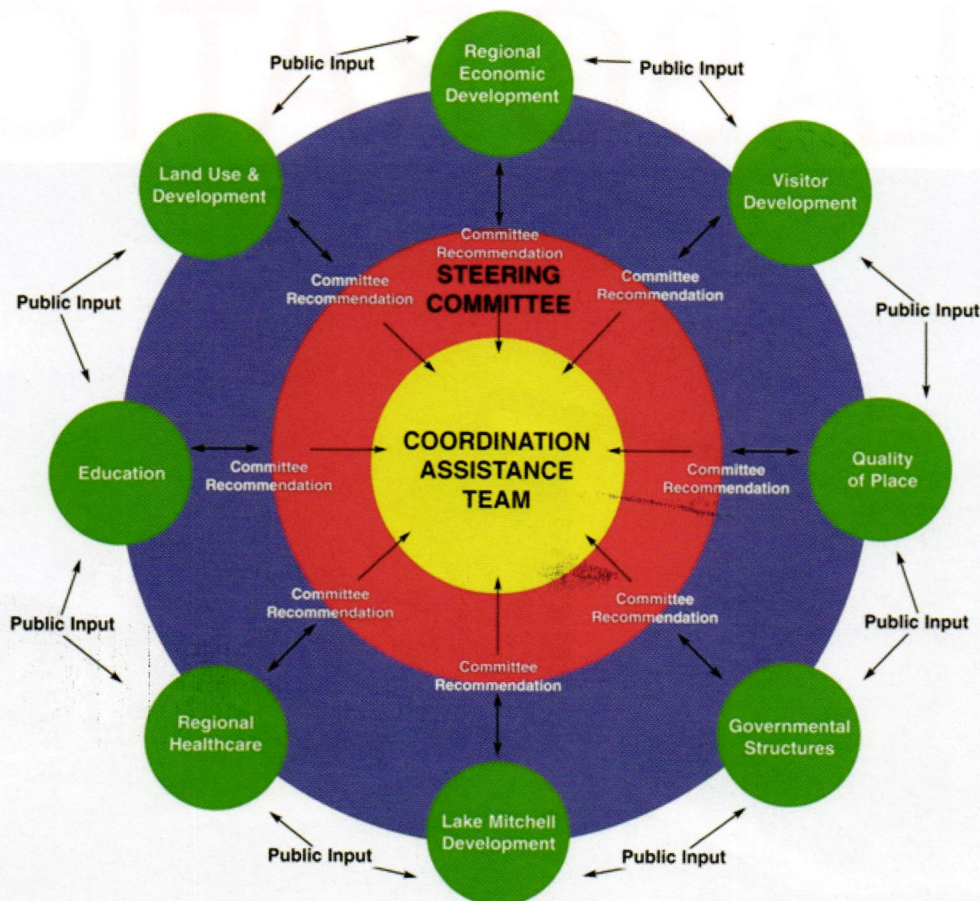
Mark Buche, Focus 2020 spokesman said, "The process of developing a community vision is a wonderful opportunity for people to come together, take a look at their interest area, and work cooperatively to determine a direction they want to go. It takes good information and hard work to make a link between the present and the future."

In looking back, the Focus 2020 organizers planted seeds, the subcommittee volunteers and citizens provided the nutrients, and now Focus 2020 is bearing fruit. Today, Mitchell's policy makers and organizations are implementing many of Focus 2020's



The new stadium at Joe Quintal Field in Mitchell (Photo by The Daily Republic, Mitchell)





The Focus 2020 planning model formed a steering committee that received reports from eight subcommittees.

recommendations and including them in their long-range plans. Focus 2020 provides a template for designers of Mitchell's image.

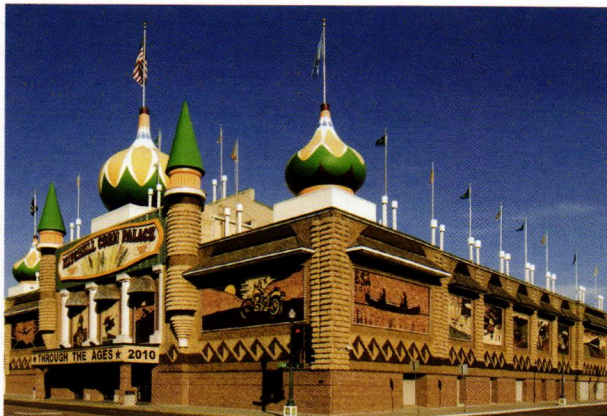
Mark Puetz, co-owner of Puetz Corporation in Mitchell said, "By having a coordinated, comprehensive plan for the city, Mitchell is able to focus its development and marketing efforts on the city's assets like the Corn Palace, Main Street, Lake Mitchell, and most importantly the excellent educational, commercial, and industrial organizations who benefit greatly from a national infrastructure intersecting the city." From a city planner's perspective, Focus 2020 provides a blueprint in proposing and implementing land-use regulations and comprehensive planning.

Mitchell's iconic *The World's Only Corn Palace* is a symbol of our community's pride. The story of the Corn Palace's origins reflects a vision that Mitchell's founders left for future generations. Mitchell throughout the years has maintained this vision. In the early 1990s Mitchell adopted a process called Vision 2000. The tangible results of that plan include a new water source, two new elementary schools, a new senior center, and an affordable housing com-

plex. Focus 2020 is also a continuation of a visioning tradition and is producing tangible results such as development of a Corn Palace campus plan, Main Street & Beyond, and new school facilities and discussions of a new community center.

The process invited discourse and made citizens realize that achieving consensus is challenging. However, as Lincoln said, "The possibility that we may fail in the struggle ought not to deter us from the support of a course we believe to be just." 🍷

The World's Only Corn Palace is a Mitchell icon.



COLLABORATION



Heartland Consumers Power District, Madison, South Dakota



JESSICA RIESELMAN is a Marketing Assistant with the Henry Carlson Company in Sioux Falls, SD. She moved from Arkeny, IA, to Sioux Falls in January 2010. She was formally educated at Iowa State University and received a degree in Journalism and mass communication. Contact Jessica at: jriesselman@henrycarlson.com

Being more environmentally friendly is not just a trend, it is here to stay. Focus is intensifying on companies and consumers to become more green and environmentally aware. Heartland Consumers Power District, a Madison, SD, non-profit, public power utility that serves customers in South Dakota, Minnesota, and Iowa, decided to become a green role model for their power consumers, demonstrating how to consume less energy and become more environmentally friendly. So, the company built their corporate headquarters using recycled materials, energy and water efficient systems and sustainable processes. The new headquarters became operational in early 2010.

“As a public power utility, we educate customers on the benefits of energy efficiency and sustainable practices,” said Heartland General Manager Mike McDowell. “Now we will be able to demonstrate those benefits. It is my hope that the green theme of our new building will eventually become the norm for all buildings in South Dakota.”

Early Collaboration Leads to LEED Platinum Certification

The decision to create a green building came in the spring of 2009. Early in the design process, Heartland set a goal to earn LEED Platinum certification. Leadership in Energy and Environmental Design (LEED), administered by the U.S. Green Building Council, is the nationally accepted benchmark for the design, construction, and operation of high-performance green buildings. LEED recognizes performance in five key areas including sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality and awards certification at four levels: certified, silver, gold, and platinum.

Heartland worked closely with architect Koch Hazard and contractor Henry Carlson Company to design and construct a building reflecting Heartland's commitment to environmental stewardship. This early and continuous collaboration achieved LEED Platinum certification in July 2010.

LEED & DESIGN RESULTS

"Heartland has been a great partner in creating this green building," said Stacey McMahon, AIA, LEED AP, of Koch Hazard. "They came to us wanting to 'go green,' so we began the conversation about sustainability strategies, cost, and processes to carry their goals through design and construction. Heartland has been dedicated and creative in their response to LEED requirements. The only way to create a great building is to work with a great client."

The following are some of the environmentally friendly features of the new Heartland headquarters.

Saving Energy

- The new facility uses 46 percent less energy than a standard built building.
- Insulated panels and occupancy sensors help reduce energy usage.
- 70 percent of the energy used is generated from wind energy and solar panels.

Saving Water

- The building uses 33 percent less water than a standard built building.
- Low-flow fixtures with sensors reduce water usage.
- The landscape consists of native prairie plants so a permanent irrigation system is not needed.

Individual Control and Comfort

- Each room is separately zoned so employees can control the temperature of their work areas.
- A geothermal heating and cooling system with active chilled beams reduces the amount of fan power needed for cooling and ventilation.

Materials

- Long-lasting, sustainable materials are used throughout the building, including precast concrete walls, metal panel siding, standing-seam steel roof, structural insulated panels, and polished concrete floors.
- 14 percent of the building materials are reused including ceiling panels from reclaimed bleacher seating.
- 22 percent of the building materials are recycled, including recycled tile and PaperStone countertops.
- 86 percent of the new wood used is Forest Stewardship Council Certified.

Achieving Platinum LEED certification requires the collaboration of an enlightened owner, a creative design team, and a knowledgeable and experienced builder. Ultimately, Heartland benefited from the collaboration by achieving not only the LEED Platinum certification, but also by winning a 2010 South Dakota AIA Honor Award. 🏆



Sources:
Heartland Consumers Power District. *Heartland Headquarters: A Visual and Working Demonstration in Green Building Design*. WordPress.com Web site: <http://drosheim.files.wordpress.com/2010/10/hcpd-building-brochure.pdf>.

Heartland Consumers Power District. "Heartland HQ Earns LEED Platinum Certification." Heartland Consumers Power District Web site: <http://www.hcpd.com/NewsMedia/NewsDetail189.cfm?Id=0.444>

Western Area Power Administration, U.S. Department of Energy. "Heartland Headquarters Earns LEED Platinum Certification." Energy Services: Reliable Energy Solutions Bulletin. September 2010. Western Area Power Administration Web site: <http://www.wapa.gov/es/pubs/esb/2010/sep/sep102.htm>

GROWING BIG IDEAS



The inaugural class of South Dakota State University's Department of Architecture Program.

BRIAN REX is Associate Professor and Department of Architecture Head at South Dakota State University. Before SDSU, he was a professor at Texas Tech University and the universities of Colorado, Nebraska, and Oklahoma. He worked in the offices of Cooper, Robertson & Partners Architects in New York, NY, and Humphries Poll Arlington, Carleton University in Canada, Technische Universität Berlin, and Columbia University.



The new Department of Architecture (DoArch) in the College of Arts & Sciences at South Dakota State University (SDSU) will deliver an important new generation of architects to the profession in South Dakota. DoArch is in year one of operation. The first class of SDSU trained professionals is now in process. They are smart, curious, patient, and ambitious young people who have names like Alex, Anthony, Blake, Bobbie, Chevelle, Daniel, Dustin, Garret, Katie, and Rex. These students will be the first generation trained with the state's professional and community needs in focus. What's come to light in my first six months here is the very specific and unique state of practice in South Dakota. The schools I've taught in over the last 15 years see the majority of their graduates absorbed into large metropolitan practices and multi-national corporate firms like HKS, Fentress, Davis Partnership, Beck, Leo Daly, HDR, DLR, HOK, and Perkins+Will. That will

not be the case here. What are the particularities of architectural practice and education in this state that I see from the Ivory Campanile in Brookings? Here's a sketch:

- Architectural practice in South Dakota is small practice. No office in the state has an aggregate of 10 professionals with active architectural registrations under one roof. Less than 15 percent of the people with active registrations in South Dakota practice from South Dakota.
- Architectural practice in South Dakota is done in small places. There is nothing metropolitan about the urban fabric of South Dakota's towns and cities.
- DoArch will be one of the smallest professional programs in the U.S. with approximately 8 faculty, 4 staff, and 170 students engaged in 6 years of professional study.

N SMALL PLACES

- SDSU, with a long history of combining vocational training and a liberal arts education, has unique and extraordinary resources available for hands-on teaching in design, construction, and representation.

This condenses into a new DoArch Mission Statement:

We're a small professional program in a small land-grant university teaching students how to make buildings and manage small practices in small cities.

Other design schools prepare their professional students for specializations like sustainability, health care design, digital representation, historic preservation, digital fabrication, urban design, interior architecture, and community design. We, however, see that South Dakota's needs will be best met in training "general practitioners" who are well prepared for management and leadership in small practice in small places. These preparations include:

- persuasive communication skills
 - excellent critical thinking capacity
 - strong analytical, resourcing, and research skills
 - civic responsibility to the city
 - high professional ethics and a strong sense of stewardship for the environment
- all built on a fundamental sense of craft and principle in building construction.

We begin professional instruction working through the technologies of construction, then we teach architecture as the mediated practice of making models and drawings that make buildings. We cycle the teaching between introspective moments of fundamental disciplinary training and moments of practical collaborative interaction. There are unique opportunities within SDSU such as the range of shops and labs for intense hands-on experience in our

| SD Architectural Registrations in SD, by city: | | SD Architectural Registrations Outside SD by State: | |
|--|--------------|---|----|
| 50 | Sioux Falls | 138 | MN |
| 26 | Rapid City | 55 | NE |
| 4 | Aberdeen | 42 | CO |
| 4 | Yankton | 38 | ND |
| 3 | Brookings | 33 | IA |
| 3 | Mitchell | 31 | IL |
| 3 | Vermillion | 30 | TX |
| 2 | Brandon | 29 | MO |
| 2 | N Sioux City | 25 | WI |
| 2 | Pierre | 21 | CA |
| 1 | Custer | 20 | KS |
| 1 | Spearfish | 17 | OH |
| 1 | Watertown | 15 | TN |
| | | 14 | MT |
| | | 12 | WA |
| | | 11 | GA |
| | | 11 | MI |
| | | 11 | OK |
| | | 10 | AZ |
| | | 9 | AR |
| | | 8 | KY |

*Prepared by Brian Rex
Jan. 01, 2011*

*Source: Data culled from Web sites
of various state agencies in charge
of architectural registration.*

classes. There is a unique opportunity here also to teach to a small, refined scale of urbanism if we use the unique, small-scale urban fabric of South Dakota as our teaching and research laboratory.

SDSU's Department of Architecture is the first new professional program in the Great Plains region in 100 years. We need to go against the flow and grow big ideas in small practice for small places. 🍷

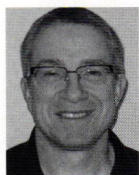
ASHRAE &

INTEGRATED



"It is going to require a real cultural shift in our industry to transform the design process, and it's a shift that has to occur if we are going to reach our goal of net-zero-energy buildings."

– Lynn G. Bellenger, P.E., Fellow ASHRAE



KASEY ABBOTT, P.E. is the ASHRAE Region IX Vice Chair for Student Activities and former president of the South Dakota Chapter of ASHRAE. He is also the President of Direct Digital Control and has been designing control systems for commercial buildings for over 23 years. Kasey can be reached at: kasey.abbott@ddccontrol.com.

Integrated design has become a common topic among members of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE). I first became familiar with integrated design 2 years ago as a judge for one of three ASHRAE-sponsored competitions, the ASHRAE Integrated Student Building Design Competition, which attracted schools from all over the world. The importance of integrated design became even more evident to me at the annual conference in the summer of 2010 when I heard Lynn G. Bellenger, P.E., Fellow ASHRAE, state in her presidential address:

"My presidential theme, Modeling a Sustainable World, highlights the role ASHRAE members play as leaders in sustainable design. In energy simulation, daylight analysis, computational fluid dynamics and building information modeling software, we have powerful modeling tools that enable us to create and refine our vision of a building—its appearance, systems, operation and performance. Those resources, used effectively in an integrated design process for new buildings and in analyzing retrofit opportunities in existing buildings, will help us guide building owners, architects, developers and contractors in building orientation, shading and shape and in selecting materials, windows, equipment and systems that optimize building performance."

This recognition of integrated design and its importance has come about primarily because of two factors: emphasis on sustainability and advances in building modeling.

ASHRAE has made sustainability a cornerstone of its beliefs. The ASHRAE mission statement, "to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world," has inspired our leaders for the past 5 years. Beginning in 2006, the following presidential themes were selected:

- **A Sustainable Future** – Terry E. Townsend, P.E.
- **Greater Efficiency Today, Blue Skies Tomorrow** – Kent Peterson
- **Maintain to Sustain** – Bill Harrison
- **Sustaining Our Future by Rebuilding Our Past** – Gordon Holness
- **Modeling a Sustainable World** – Lynn G. Bellenger, P.E., Fellow ASHRAE

DESIGN

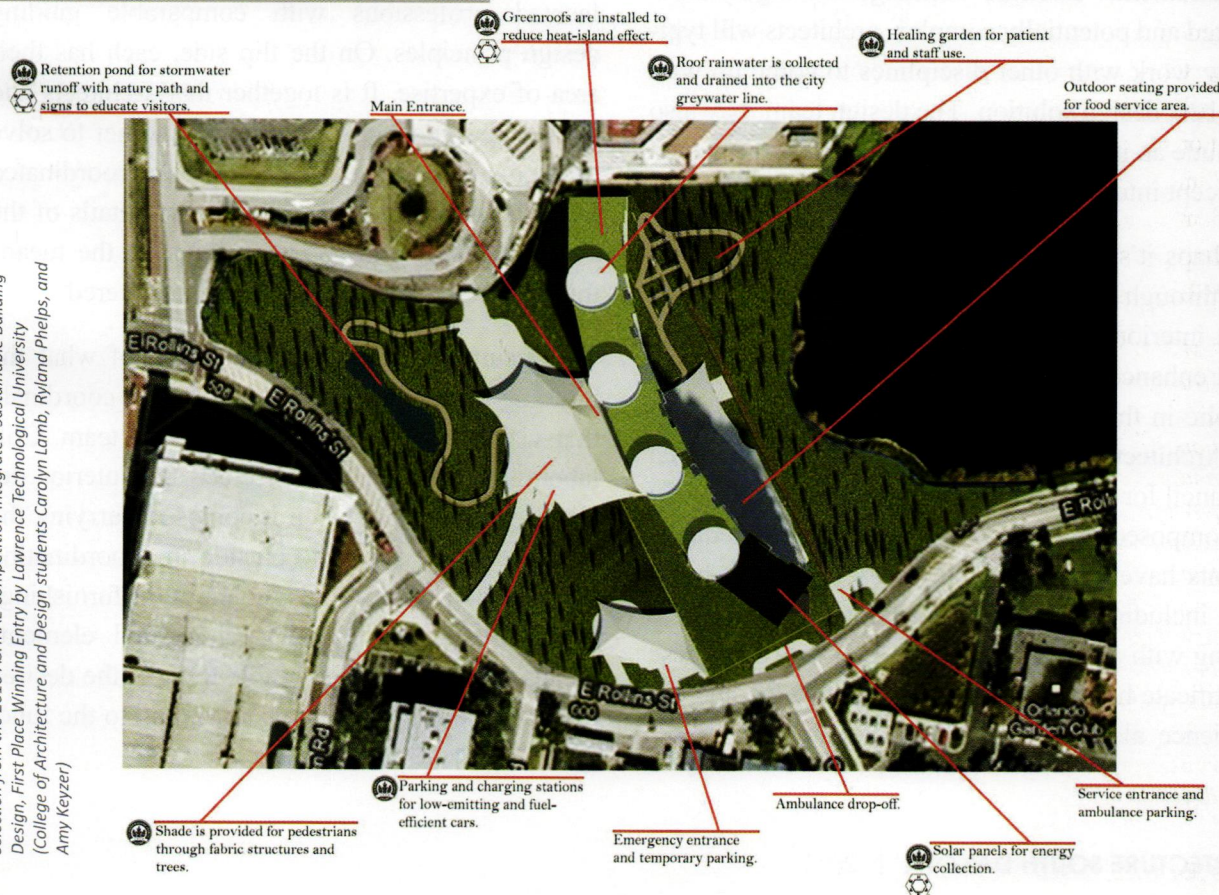
Advances in modeling are helping make integrated design feasible. Through the use of virtual models, building performance can be predicted and optimized by adjusting factors such as:

- **Building orientation and shading**, which affect heating and cooling loads and daylighting opportunities
- **Insulation**, which impacts heating and cooling loads
- **Daylighting**, which reduces lighting costs and cooling loads
- **Windows**, which affect daylighting and also impact cooling loads
- **Building mass**, which impacts heating and cooling loads
- **Controls**, which can maximize daylighting and minimize ventilation loads through demand ventilation.

ASHRAE recognizes that there are still major challenges in taking advantage of integrated design. Models must be improved to more accurately predict building performance, especially as mechanical systems become more creative. However, the biggest challenge will be in changing how we think about the building design process. As ASHRAE President Bellenger notes:

"The traditional approach where the architect designs the building shape, orientation and envelope and then transmits the drawings to the mechanical and electrical engineers for their design is a silo approach that misses the rich opportunities for optimizing building performance through a collaborative approach from the beginning. It is going to require a real cultural shift in our industry to transform the design process, and it's a shift that has to occur if we are going to reach our goal of net-zero-energy buildings."

SITE PLAN FINAL DESIGN



LEED POINTS

- SS Credit 1: Site Selection
- the site did not meet the criteria of being an inappropriate site
- SS Credit 4.1: Alternative Transportation: Public Transportation Access
- the site is within 1/2 mile of a planned commuter rail
- SS Credit 4.3: Alternative Transportation: Low Emitting & Fuel Efficient Vehicles
- preferred parking for low-emitting and fuel-efficient vehicles
- SS Credit 5.2: Site Development: Maximize Open Space
- provided vegetated open space for greater than 20% of the site's area
- SS Credit 6.1: Stormwater Design: Quantity Control
- Implemented a plan that results in a 25% decrease in the volume of stormwater runoff
- SS Credit 7.1: Heat Island Effect: Non-Roof
- provided shade for 50% of the site hardscape
- SS Credit 7.2: Heat Island Effect: Roof
- Installed a vegetated roof for over 50% of the roof area
- SS Credit 9.1: Connection to the Natural World: Outdoor Places of Respite
- provided places of respite outdoors for patients, staff, and visitors

ASHRAE

COMPETITION

Table 6: Site quality control, urban development, landscape & exterior design to reduce heat islands, light pollution reduction

Table 6: Water efficiency, water use reduction & wastewater treatment

Table 6: Renewable energy supply

- Solar panels are located on the roof for energy generation.

COLLABORATION



The confidence our clients place in us can only grow stronger when we demonstrate our ability to work together in order to exceed their expectations.



DARLA JACOBSON

Defining how one feels within a designed space is Darla's forte. As an interior designer, she understands how space layout, material and finish selection, and integration of furniture, art and accessories can impact the final design project. Darla has nearly 15 years of interior design experience in health care, corporate, and most recently hospitality design projects. Darla can be reached at: darla@perspective-inc.com

As a project begins, the design professional has the ultimate objective of meeting the owner's vision and goals by creating functional and aesthetically pleasing outdoor spaces, building shell, and interior spaces, all while adhering to code and regulatory requirements. Because buildings are highly integrated and potentially complex, architects will typically work with other disciplines to come up with the best design solution. The design team may also include an interior designer to help carry the design concept into the interior spaces of the building.

Perhaps it's important to note that, like architects, it's through education, experience, and examination that interior designers become qualified to protect and enhance the health, safety, and welfare of the public in their designs. Like the National Council of Architectural Registration Boards, the National Council for Interior Design Qualification (NCIDQ) is composed of regulatory boards. Specific requirements have been set for NCIDQ certificate holders, including 6 years of education and experience along with a demanding 2-day examination. These certificate holders have proven knowledge and experience along with being proficient in the most

current interior design principles and practices, contract documents, and decision-making skills. NCIDQ certificate holders meet the legal and regulatory standards that 29 states have established.

Both architecture and interior design are multifaceted professions with comparable guiding design principles. On the flip side, each has their area of expertise. It is together that architects and interior designers can rely on one another to solve problems and create designs that are coordinated from the building shell to the tiniest details of the building interior. Collaboration can be the means through which that perfect idea is uncovered.

The architect generally has a vision of what the building may look like and works to coordinate that vision with the rest of the design team. Collaboration between the architect and interior designer is invaluable when it comes to carrying the design concept from the outside in. Coordinating the selection of materials, colors, and furnishings while integrating interior architectural elements means we might be better able to meet the desired response from users while conforming to the func-

EQUALS SUCCESS



tional, maintenance, performance, environmental, and safety requirements of our selections. These decisions made together are more likely to meet the project requirements than if made alone.

The introduction of that “cool” new material or product is one of the great joys in practicing design, but even greater satisfaction can come from the moment when we realize this new “thing” solves the problem or enhances our creation. In an age when countless materials, building systems, and sustainable design solutions and products are available and when greater budgetary constraints come into play, architects and interior designers can bounce ideas off each other to ensure a high quality, efficient, and economically feasible outcome. We aren’t always exposed to the same information, so those opportunities to benefit from one another’s strengths and to then integrate those solutions into the design can be one of the things we are most proud of in the end.

When we have well-thought-out, coordinated, and responsible design solutions, the users are the ultimate beneficiaries of our efforts. The confidence that our clients place in us can only grow stronger

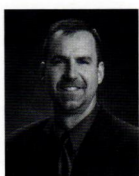
when we demonstrate our ability to work together to exceed their expectations. To state it simply, “Collaboration equals success.” 🍷



THE EXPERIENCE



South Dakota Public Universities Research Center includes 8,986 square feet of Sioux Quartzite.



BRIAN PHELPS, General Manager, Jasper Stone Company. As an allied member of the AIA in South Dakota, North Dakota, Minnesota, Iowa, Nebraska, and Kansas, Brian has worked with architects throughout the Midwest. He has more than 25 years' experience in business management, marketing, product development, and industry leadership. You can reach Brian at bjphelps@jeverist.com or 605.595.3422.

A book I read years ago talks about the “experience economy.”¹ It discusses how America has transitioned through various economies. The experience economy, according to the authors, is the next economy, following the agrarian economy (agriculture), industrial economy (manufacturing), extraction economy, and, most recently, service economy.

The book’s message is that businesses must create memorable events for their customers, and it’s that memory that becomes the product—the “experience.” This is a natural progression beyond the value-added economy many think of. And, it’s through collaboration that the architectural stone industry has the potential to create a valuable experience for all.

In 2010, these essentials have come together, perhaps because of recent changes in the economy forcing us to rethink who we are and how we do business. Perhaps we are now out of our comfort zones as business leaders. And perhaps without knowing it, we are now stronger than we’ve ever been.

We see architects striving for unique, yet grounded, solutions for their project owners in this very competitive environment. We see a focused consciousness toward natural materials with minimal impact on our environment through lenses such as LEED. We see the demand for regional materials growing dramatically, replacing foreign-based materials. We see project owners wanting to make a statement while stressing tighter budget concerns. Many

Four essentials of creating a synergistic, cohesive experience :

- **Vision** to see beyond false boundaries without blinders or preconceived ideals
- **Desire** to achieve what others say cannot be done
- **Openness** to share the vision and the desire
- **Two-way communications** that allow all to contribute to, as well as learn from, each other

ECONOMY

Suppliers, Designers, and Owners Unite to Move Forward

designers and project owners are simply tired of the challenges with man-made materials and want to use traditional materials in a modern application.

As this experience mind-set began to swell, 2010 developed into our breakout year in sales, and we created organizational efficiencies in all of the markets we serve. A few years back, we made a conscious decision to retool our company. We recognized that we needed to create an experience for those interested in using the special Sioux quartzite stone. Our business model is unique in the stone industry. We now supply pass-through ancillary products, working with designers 2 or more years in advance of the published bid.

Let's take a look at a previous project and see how the collaboration between architect, owner, and supplier brought a very unique landmark to South Dakota. Jasper Stone Company helped create the first two buildings on the campus of University Center in Sioux Falls. Preliminary discussions focused on how to affordably create an "old world" appearance, with stone return details and the hand-crafted, natural stone look. 🏠



South Dakota Public Universities and Research Center, Sioux Falls, SD

Architect: TSP, Sioux Falls, SD

Stone: Sioux quartzite corbel fascia at 4-10" thick, 12" height, and up to 4' length, with hand-pitched finish. Jasper Stone also provided a veteran stone cutter with over 40 years' experience on the job site to help ensure the proper-looking details.

Joints: 1/2" mortar

Timeline: Initial design discussion, January 2007; bid date, July 2007; completion, January 2009

¹ Pine J, Gilmore J. *The Experience Economy*. Boston: Harvard Business School Press; 1999.



The historic Central Middles School in Brookings has been transformed into the Children's Museum of South Dakota.



JASON HAUG is Director of Historic Preservation for the South Dakota State Historical Society. He can be reached at jhaug@state.sd.us.

Historic buildings are a critical component of what makes each community unique. They are sources of pride that help us develop a sense of identity by defining and distinguishing our communities. They are also an excellent measure of a city's quality of life and a visible means to convey that quality to potential visitors, residents, and businesses. Successful historic rehabilitation projects that contribute to this sense of pride have many things in common. But the most important similarities all occur before construction begins.

Knowing Your Building

One appealing aspect of historic buildings is that each building has its own unique character. Of course, this also means each building presents its own challenges, whether from a design or a construction perspective. That is why it is important to understand what architectural elements, materials, or spaces define the character of a historic building and develop a plan that preserves them.

Researching a building's history provides not only valuable information on restoring lost features but also provides an excellent way to involve the public in a project. Asking the public for memories or historic photographs of a building gives local residents a way to participate in the project. Their stories and photographs can also provide valuable information that can be useful in marketing the building's unique story.

Involving Preservation Professionals

Obtaining advice from preservation professionals can help avoid pit falls later in the project. Architectural historians, for example, can help identify character-defining features, research historic properties, and prepare grant or tax-incentive applications. Also, meeting with the State Historic Preservation Office (SHPO) early and often during the design phase of a project pays off. Part of the SHPO's job is to give advice on how a project can meet federal and state preservation standards and thereby qualify for grant and tax incentives. Not involving

COMMUNITY

Through Historic Buildings

the SHPO early enough in a project can result in alterations that jeopardize a building's eligibility for financial incentives - and even its eligibility for the National Register of Historic Places.¹

Meeting Multiple Community Goals

One historic rehabilitation can help accomplish more than one community goal. Construction jobs associated with historic rehabilitations, as well as the businesses housed in historic buildings, have a significant economic impact on communities. Renovated historic buildings enhance a tourist's experience or even become tourist destinations themselves. Housing shortages are lessened through the rehabilitation of underused historic buildings, and energy is conserved by recycling historic buildings.

The intersection of Fourth Street and Sixth Avenue in Brookings offers two excellent examples of this concept. In 2004, Steve McCarthy, owner of McCarthy Properties in Rapid City, renovated the former Brookings Middle School, now known as the 1921 Building, into 18 apartment units and commercial and government office space.

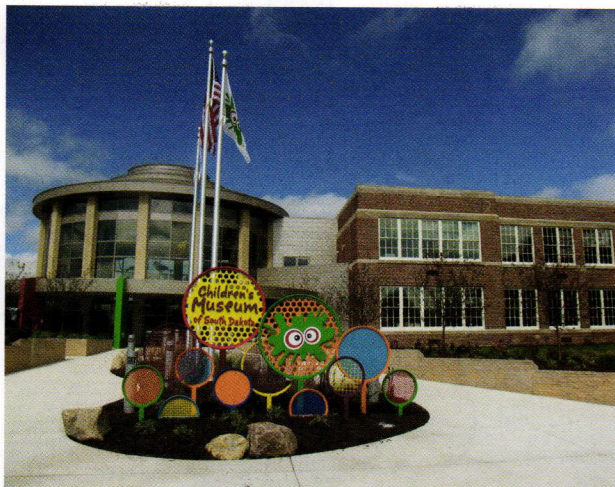


Most recently, Dale Larson, CEO and President of Larson Manufacturing Company in Brookings, worked with the Brookings School District to help construct a new elementary school so that the Central Elementary School could be converted into a children's museum. The Children's Museum of South Dakota, which opened in September 2010, will provide a tourist destination, have a significant economic impact, add a cultural attraction, and have an environmental benefit as the project pursues LEED Silver certification.² Both of these projects met multiple community goals, while at the same time reusing and adapting historic buildings.

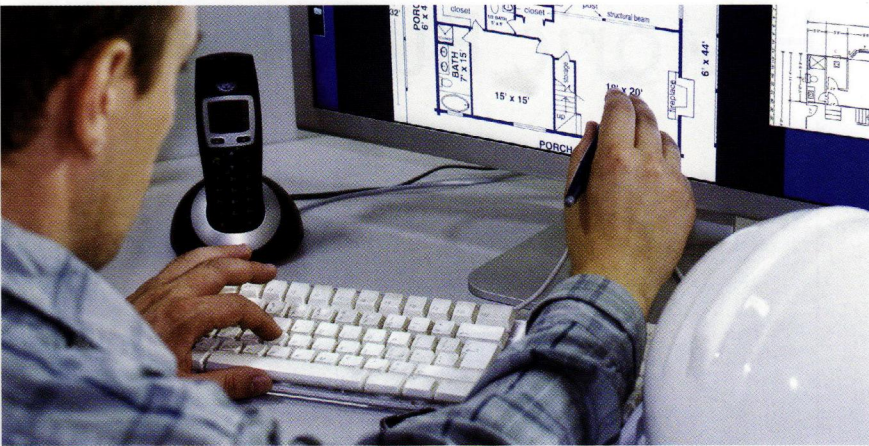
If done successfully, planning a historic rehabilitation project can have as great an impact on a community as the completed project itself. An inclusive, collaborative planning process can result in community buy-in and new or strengthened relationships with individuals or organizations that support the project and can have a snowball effect on surrounding historic properties as property owners are motivated to rehab their own buildings. 🍷

¹ For a list of architectural historians and grant and tax incentives, visit the South Dakota State Historical Society's Web site at: <http://history.sd.gov/Preservation/>.

² "Family Dream Becomes Reality," Nick Hartley. *Brookings Register*, 7 September 2010.



COORDINATION WITH BIM



ROB MAHER, P.E. is a Structural Engineer, P.E. with SEA, Inc. in Sioux Falls, SD and holds current licenses in the states of South Dakota and Minnesota. He achieved his Bachelor of Science in engineering degree from South Dakota State University, and he has over 12 years of structural engineering work experience. Rob can be reached at: robmaher@seasd.com

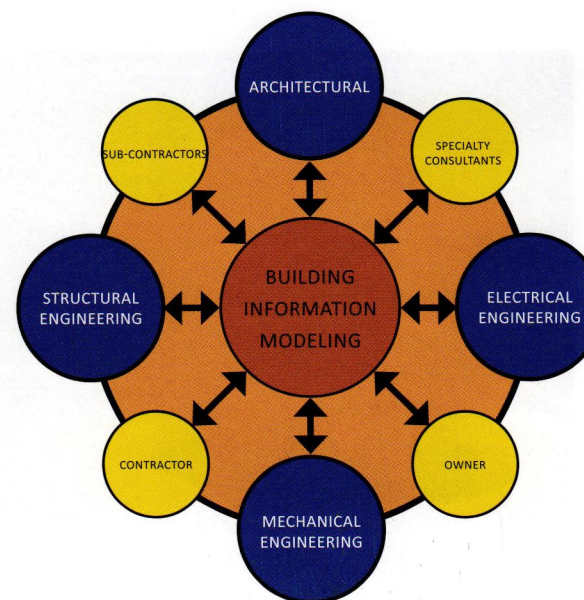
Building information modeling (BIM) generates and manages building data, including building geometry, spatial relationships, geographic information, quantities, and properties of building components during design and throughout a building's life cycle. The process typically uses three-dimensional, real-time, dynamic building-modeling software, such as Autodesk's Revit Architecture, to increase productivity in building design and construction. The process produces a building information model (also abbreviated BIM) that is used by the design team. That "information" can be either graphical or non-graphical and either contained directly in the building model or accessible from the building model through linked data stored elsewhere. However, the data are all contained in one central building model that is accessible for all disciplines to use. For example, structurally we can physically link in the mechanical duct work layout within our designed building structure three dimensionally and quickly identify any possible areas of conflict, as well as accurately locate and design headers and lintels over duct work penetrations in structural bearing walls. Ultimately, the central BIM model is used to complete a set of certified construction documents for all disciplines, including contractors who use them to bid and build from.

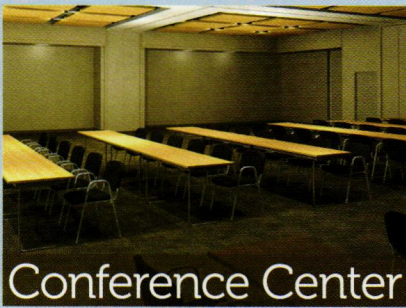
In the past, structural engineers would rely on their interpretation of architectural, two-dimensional backgrounds, sections, and elevations of a building project to design and produce the structural contract documents. Sometimes a structural engineer is left guessing "what exactly is going on" at a particular location of the building when an architectural building section or elevation is not provided. Other times, the architectural design intent of a space is not correctly interpreted by the engineer until it's

almost too late. It is practically impossible, not to mention unfeasible, for an architect to produce a set of building documents with building section and elevation views for every wall on the project. Not to mention, structural engineers are terrible at reading an architect's mind. However, with BIM, the entire design team is able to view any section or elevation anywhere they want. This takes some of the guesswork out of design and applies a live visual "snapshot" of the project that ultimately improves coordination among architectural and engineering disciplines—and ultimately reduces costly change orders during construction. However, the information contained within a BIM is still only as accurate and useful as that compiled by the design professional. Therefore, it doesn't eliminate the human element of error or conflict in building design, but it definitely minimizes them. Firms who are using BIM claim it has many advantages such as:

1. Improved visualization for all disciplines
2. Improved productivity
3. Increased coordination of construction documents due to a common, central model
4. Embedding and linking information from vendors for specific materials, location of details, and calculating quantities for estimates
5. Increased speed of delivery which ultimately leads to reduced costs

Building information modeling is a design tool that is here to stay due to the efficiencies it offers in the building process. As more and more designers, and contractors, become familiar with it, the more it will become a required tool for a successful and efficient delivery of a building project. 🏠

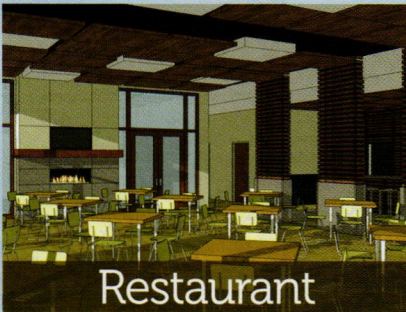




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The Maroney Rural Learning Center in Howard, SD is slated to be the first LEED Platinum building in the midwest where visitors can actively see and learn about the systems that make it sustainable.

Set to open in the summer of 2011, this unique place will house a conference and training center, hotel and restaurant; all on Howard's Main Street.

Limited naming and sponsorship opportunities are still available. Please contact Kathy Callies if you are interested in learning more at 605.772.5153.

We are currently accepting reservations for August 2011 and beyond. Please call 605.772.5153 to make your reservation today!

"This place is about more than just Howard, it's about sustaining hope for rural places everywhere. If we can do it, so can they."

Randy Parry, Rural Learning Center



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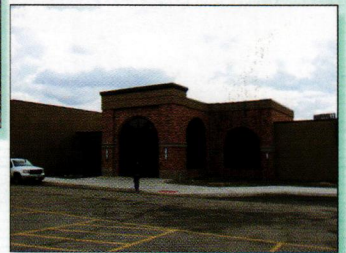
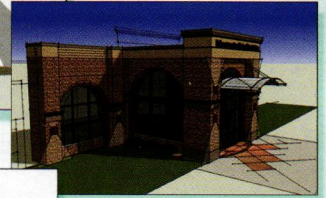
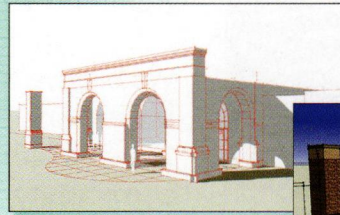
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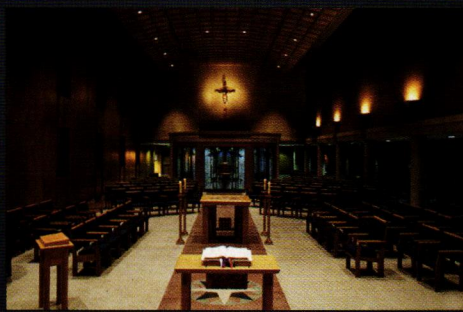
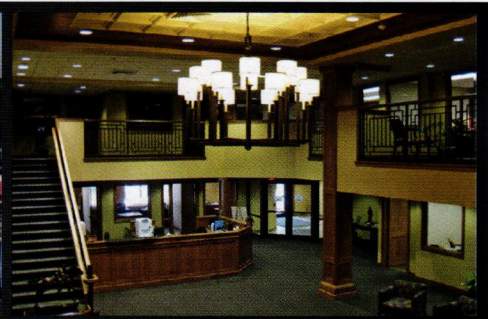
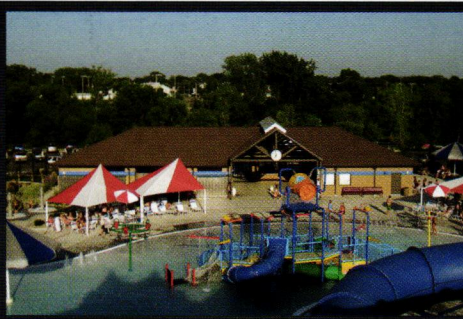
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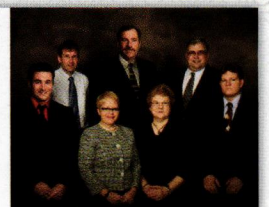
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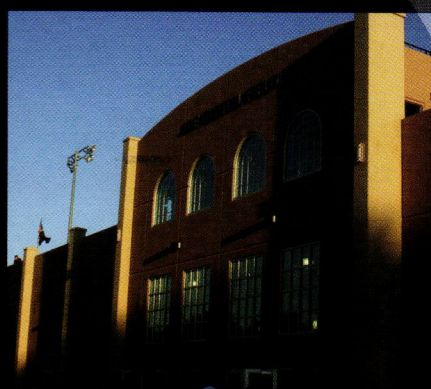
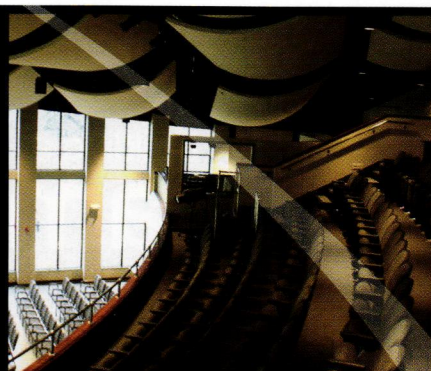
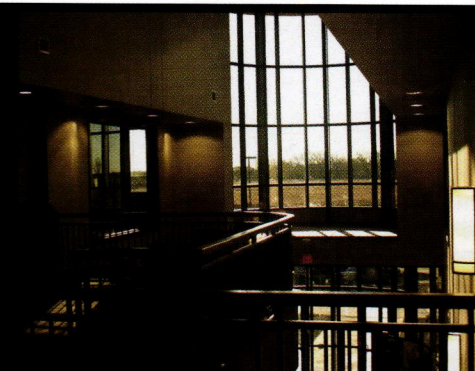
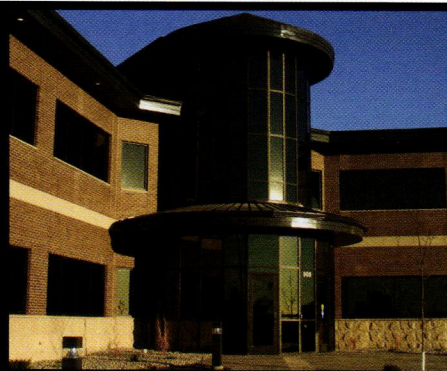
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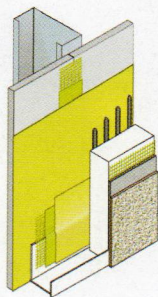
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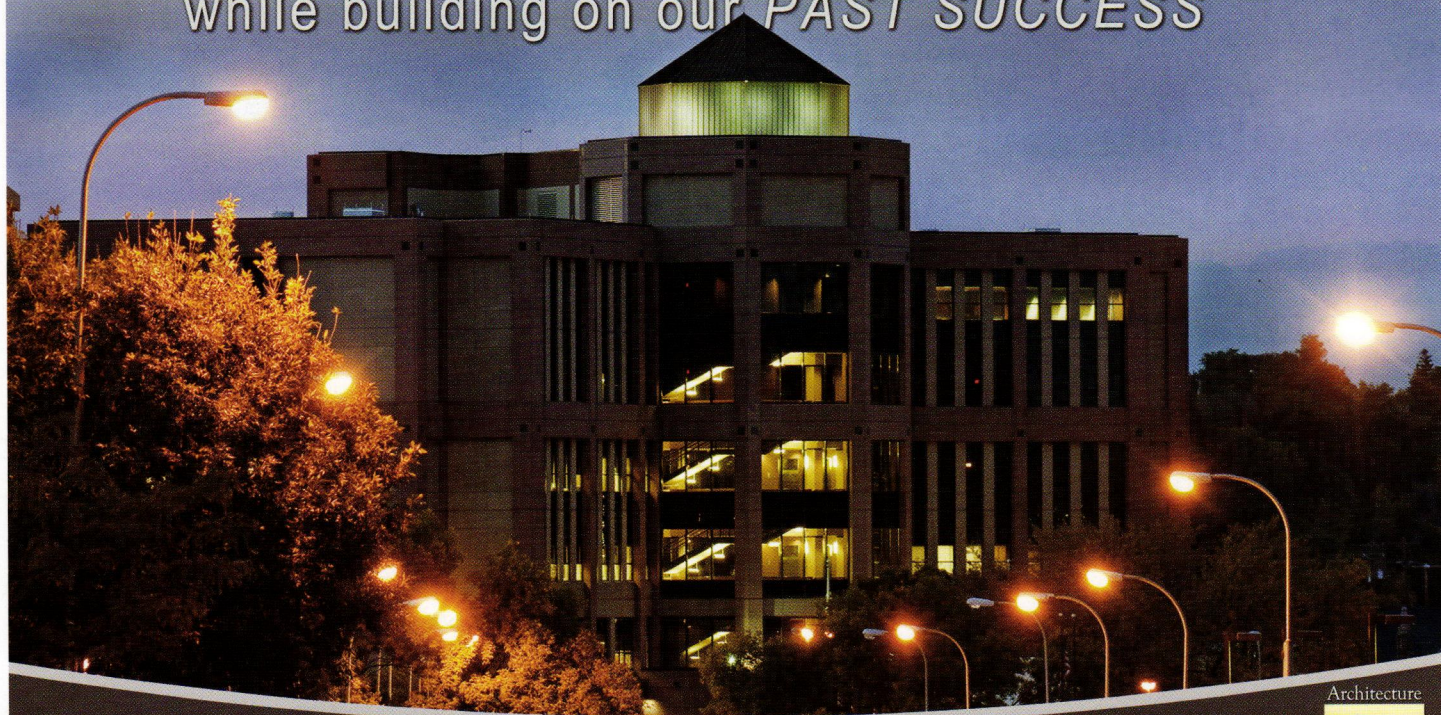
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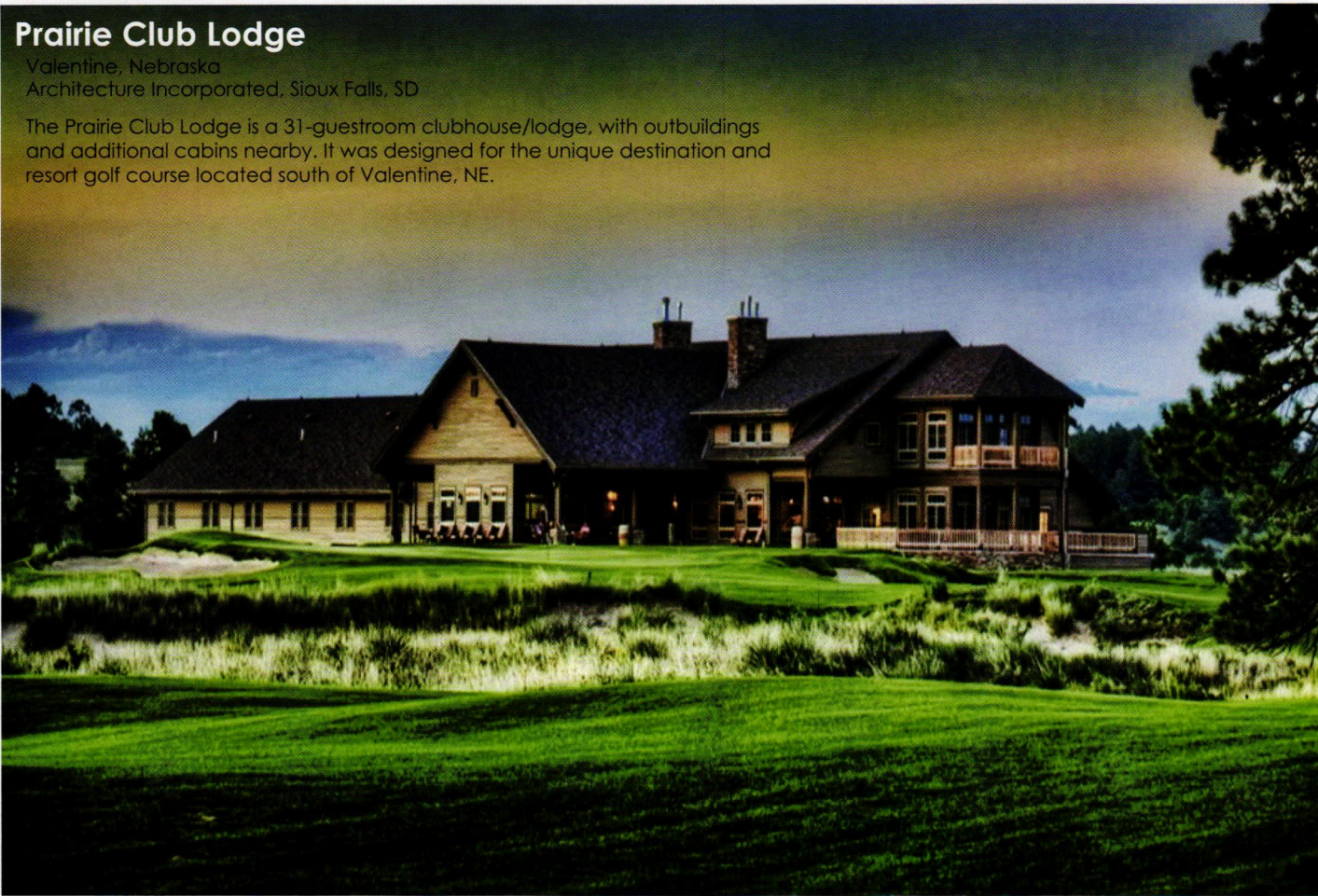


2010 Honor Awards

Prairie Club Lodge

Valentine, Nebraska
Architecture Incorporated, Sioux Falls, SD

The Prairie Club Lodge is a 31-guestroom clubhouse/lodge, with outbuildings and additional cabins nearby. It was designed for the unique destination and resort golf course located south of Valentine, NE.

**CLIENT:**

The Prairie Club

ARCHITECT:

Architecture Incorporated
Name, AIA, Design Architect
Name, Project Manager

CONSULTANTS:

Mechanical & Electrical Engineering
Associated Consulting Engineering, Inc.

Structural Engineering
Structural Engineering Associates

Civil Engineering
Miller & Associates

CONTRACTOR:

BD Construction

ADDRESS:

Valentine, Nebraska

SIZE:

45,000 square feet

The Lodge sits above a river running through a wooded canyon. The area outside of the canyon above the Snake River drastically changes into sand dunes that stretch for hundreds of miles. This geological wonder has created the environment for two world-class golf courses as different as Colorado and Scotland. The Lodge sits on the crest of the canyon between the two courses and next to a par-three course.



Heartland Consumers Power District

Madison, South Dakota
Koch Hazard Architects, Sioux Falls, SD

The new headquarters building for Heartland Consumers Power District embodies the utility provider's mission to encourage renewable energy and energy efficiency.



CLIENT:
Heartland Consumers Power District

ARCHITECT:
Koch Hazard Architects
Jeffery A. Hazard, AIA, LEED AP Design Architect
Keith W. Thompson, LEED AP Project Manager

CONSULTANTS:
Mechanical & Electrical Engineering
Associated Consulting Engineering, Inc.
Structural Engineering
Structural Engineering Associates

CONTRACTOR:
Henry Carlson Company

ADDRESS:
Madison, South Dakota

SIZE:
9,400 square feet

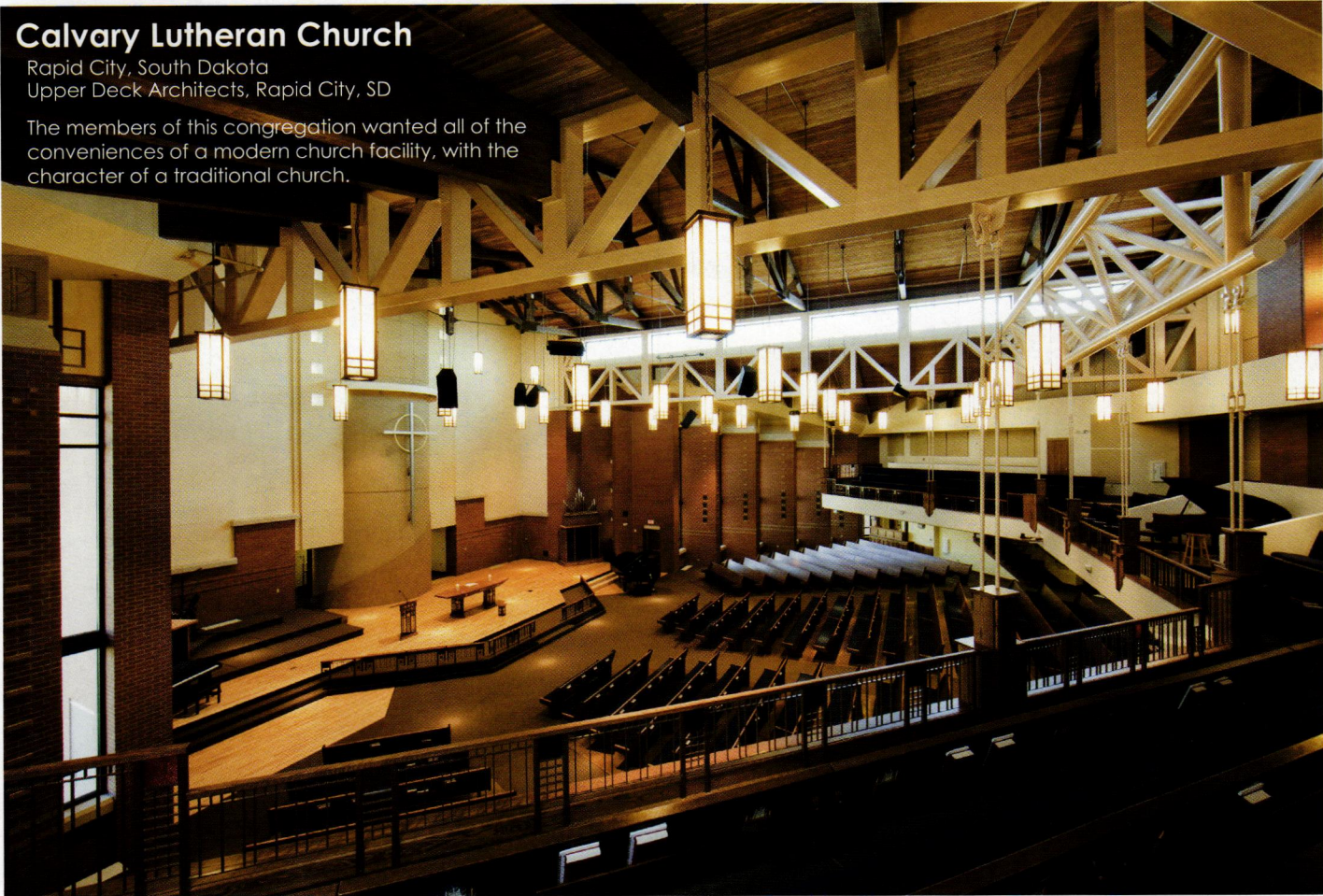
The compact floor plan curves around a natural rise, carefully sited to maximize visibility and take advantage of daylighting. The facility includes a lobby/display area, staff offices, a board room and support spaces and is the first LEED® Platinum certified new building in the state of South Dakota. Simple finishes reflect the industrial character of Heartland's work, while photovoltaic panels, a geothermal heating and cooling system, and native landscaping also demonstrate Heartland's comprehensive commitment to sustainability.

2010 Merit Awards

Calvary Lutheran Church

Rapid City, South Dakota
Upper Deck Architects, Rapid City, SD

The members of this congregation wanted all of the conveniences of a modern church facility, with the character of a traditional church.



CLIENT:
Calvary Lutheran Church

ARCHITECT:
Upper Deck Architects
Tim Cheever, AIA, Design Architect
Sheryl Coley, AIA, Project Manager
Chris Heiser, P.E., Structural Engineer

CONSULTANTS:
Mechanical & Electrical Engineering
Malone Engineering

CONTRACTOR:
Gustafson Builders

ADDRESS:
Rapid City, South Dakota

SIZE:
13,800 square feet

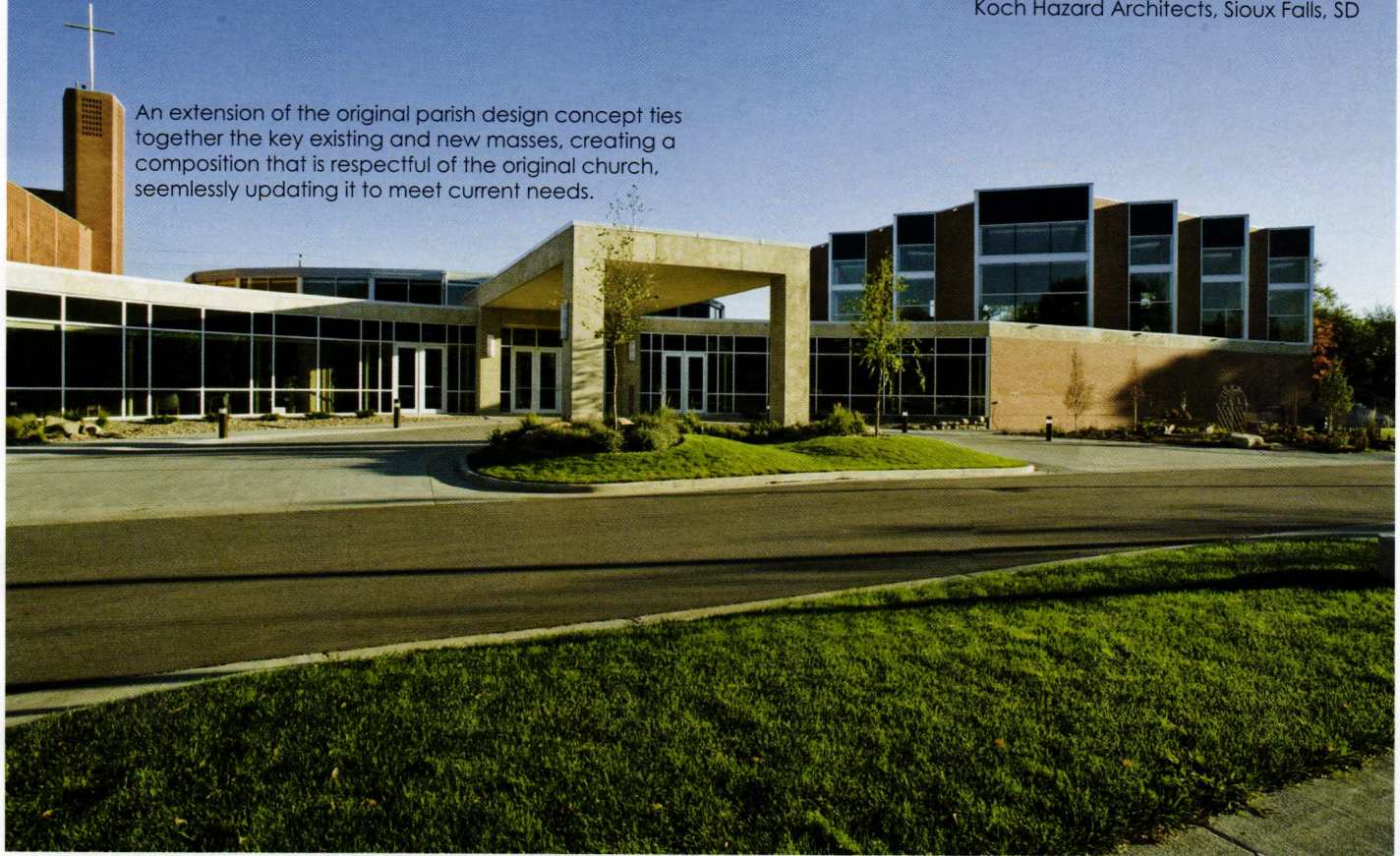
The church is anchored by a cut-away cylinder that serves as the steeple/cross tower with a 32-foot high stainless steel cross and a brass ring that adorns the top of the cylinder. The cylinder also anchors the front of the chancel, with a similar 16-foot cross. Exterior materials blend to give the facility a traditional feel and carry into the interior spaces, with wood to add warmth. All of the balcony railings, communion railing, liturgical furniture, and paraments were custom designed by the architect to enhance the interior of the sanctuary.



Our Savior's Lutheran Church

Sioux Falls, South Dakota
Koch Hazard Architects, Sioux Falls, SD

An extension of the original parish design concept ties together the key existing and new masses, creating a composition that is respectful of the original church, seamlessly updating it to meet current needs.



CLIENT:

Our Savior's Lutheran Church

ARCHITECT:

Koch Hazard Architects
Jeffery A. Hazard, AIA LEED AP, Design Architect
Cory A. Bleyenburt, Project Manager

CONSULTANTS:

Mechanical & Electrical Engineering
Company

Structural Engineering
Company

CONTRACTOR:

Jans Corporation

ADDRESS:

Sioux Falls, South Dakota

SIZE:

70,000 square feet

Culminating 25 years of planning, this expansion doubles the original 1959 church's size, adding a new 850-seat Celebrate Center, gym, education center, youth and office areas, all organized, together with major existing spaces, around a new entry and Gathering Place.

Original church designed by Koch Hazard Architects, 1959. Expansion designed by Koch Hazard Architects, 2008. Construction by Jans Corporation, 2009.

2010 Merit Awards

Sammons Financial Group

Sioux Falls, South Dakota
Koch Hazard Architects, Sioux Falls, SD

**CLIENT:**

Sammons Financial Group

ARCHITECT:

Koch Hazard Architects
Jeffery A. Hazard, AIA LEED AP, Design Architect
Kyle S. Raph, LEED AP, Project Manager

CONSULTANTS:

Mechanical & Electrical Engineering
Associated Consulting Engineering, Inc.

Structural Engineering
Structural Engineering Associates

CONTRACTOR:

Fiegen Construction

ADDRESS:

Sioux Falls, South Dakota

SIZE:

120,000 square feet

Sammons' Sioux Falls operations are life-insurance based with a culture characterized by interest in training, wellness, collaboration, security, and tradition. The design responds with an open plan organized around a central circulation spine - offering opportunities for chance collaboration - which connects the single building entry (security) with the café and flexible meeting spaces (training and identity) and the outdoor patio (wellness).





CLIENT:
Visual Arts Commission
Sioux Falls, South Dakota

ARCHITECT:
TSP, Inc.
Paul H. Boerboom, AIA

FABRICATOR:
Quality Welding

GALVANIZER:
Siouxland Galvanizing

ADDRESS:
224 West 9th Street
Sioux Falls, South Dakota

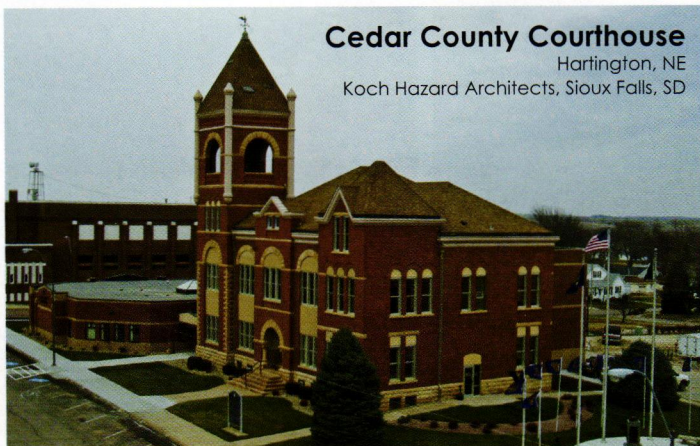
An abstract interpretation of a nostalgic icon recalls an earlier time in historic downtown Sioux Falls using contemporary materials.



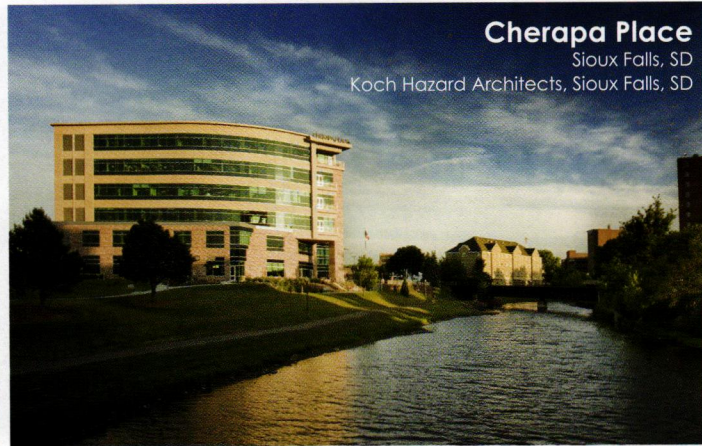
High Wheeler Bike Rack Art

Sioux Falls, South Dakota
Paul H. Boerboom, AIA, TSP Inc., Sioux Falls, SD

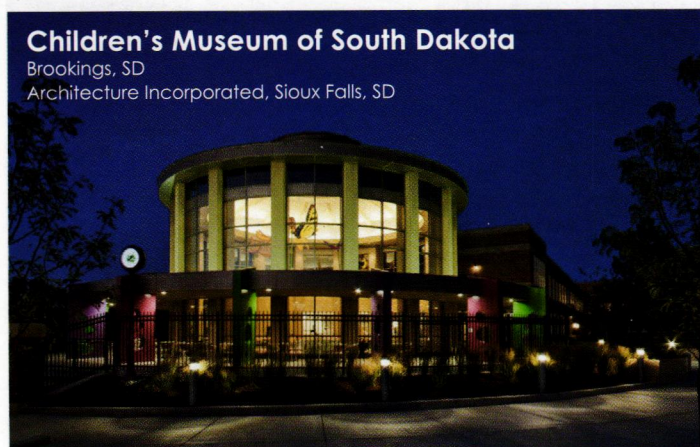
Other 2010 Submissions



Cedar County Courthouse
Hartington, NE
Koch Hazard Architects, Sioux Falls, SD



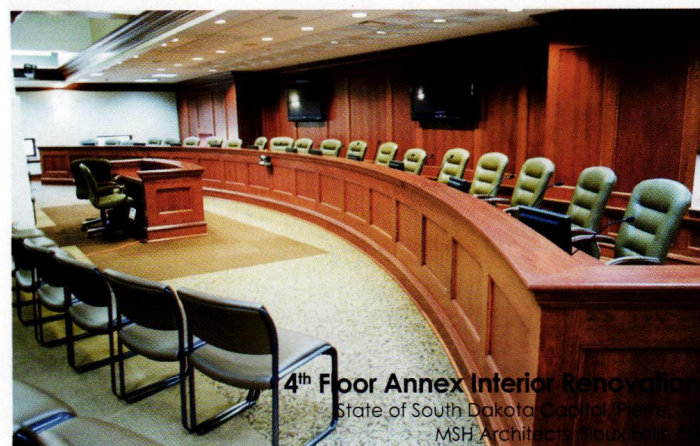
Cherapa Place
Sioux Falls, SD
Koch Hazard Architects, Sioux Falls, SD



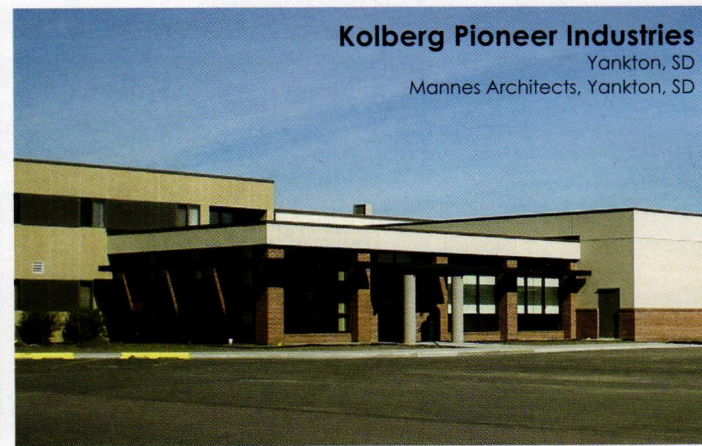
Children's Museum of South Dakota
Brookings, SD
Architecture Incorporated, Sioux Falls, SD



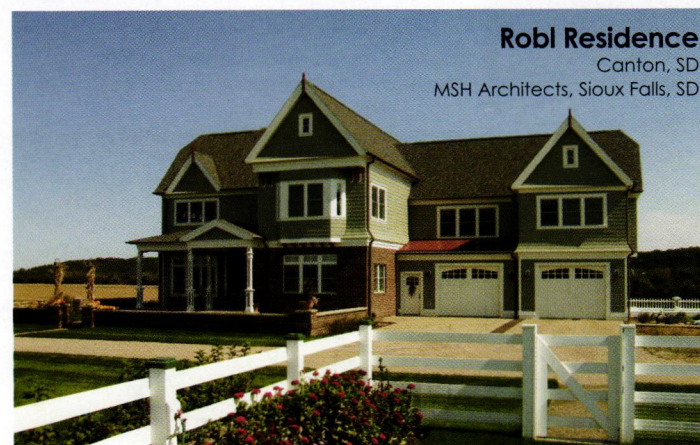
Harrisburg High School
Harrisburg, SD
Architecture Incorporated, Sioux Falls, SD



4th Floor Annex Interior Renovation
State of South Dakota Capitol Plaza, SD
MSH Architects, Sioux Falls, SD



Kolberg Pioneer Industries
Yankton, SD
Mannes Architects, Yankton, SD



Robl Residence
Canton, SD
MSH Architects, Sioux Falls, SD

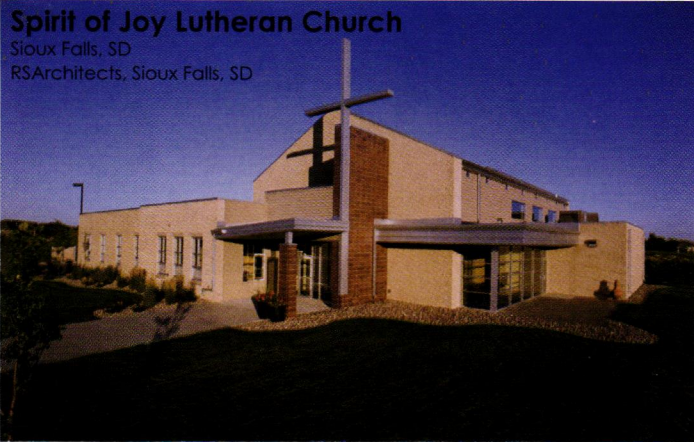


Sanford Children's Clinic
Duncan, OK
Architecture Incorporated, Sioux Falls, SD

Other 2010 Submissions

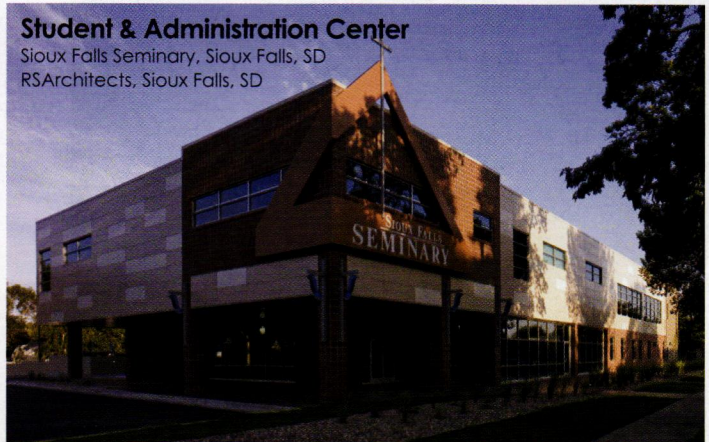
Spirit of Joy Lutheran Church

Sioux Falls, SD
RSArchitects, Sioux Falls, SD



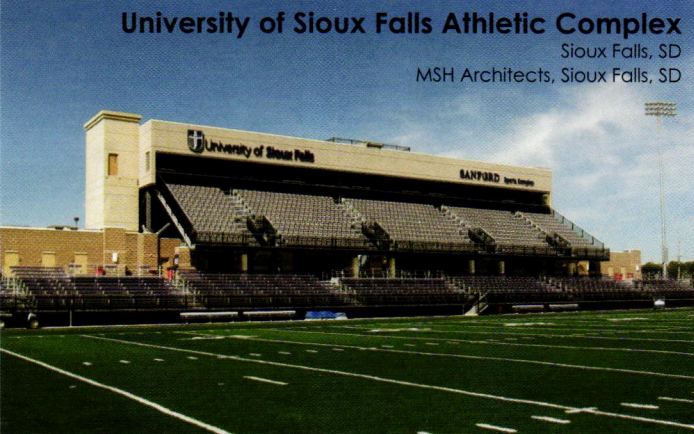
Student & Administration Center

Sioux Falls Seminary, Sioux Falls, SD
RSArchitects, Sioux Falls, SD



University of Sioux Falls Athletic Complex

Sioux Falls, SD
MSH Architects, Sioux Falls, SD



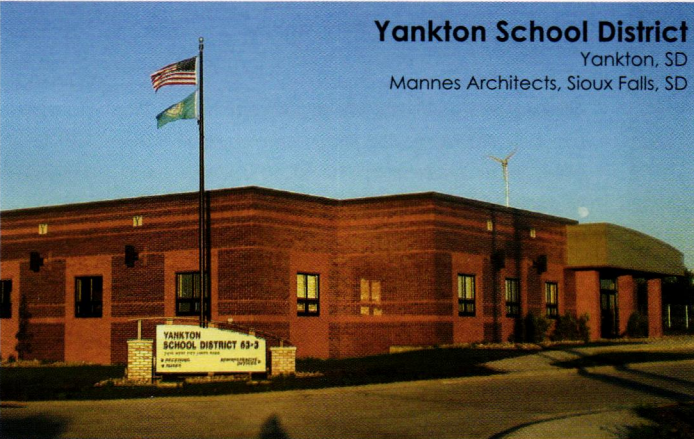
Urology Specialists

Sioux Falls, SD
MSH Architects, Sioux Falls, SD



Yankton School District

Yankton, SD
Mannes Architects, Sioux Falls, SD



Yankton Fire Station No. 2

Yankton, SD
Mannes Architects, Sioux Falls, SD



David J. Sorg, AIA, LEED AP
OPN Architects, Cedar Rapids, Iowa

David Sorg, AIA, is a principal with OPN Architects, an award-winning Iowa firm with offices in Cedar Rapids and Des Moines. OPN is a 70-person interdisciplinary firm with architects, landscape architects, and interior designers, founded in 1979.

David received his Bachelor of Architecture degree from Iowa State University with distinction in 1992. David has had the opportunity to practice in 20 states, including the design of corporate headquarters for John Deere Credit, Wells' Blue Bunny, and is currently the managing principal on the new \$120 million Federal Courthouse in Cedar Rapids. Several of David's projects have appeared in *Iowa Architect*. David's most recent work for John Deere, a visitor center in East Moline, Illinois, received an AIA Iowa design award in 2009.

David has led the sustainability efforts for his firm, being the first LEED AP in the office. The office now has over 30 LEED AP's and 7 LEED certified projects. Currently there are two projects on track for LEED Platinum certification and another 11 registered with the USGBC.

David has been an active leader and volunteer in his community, serving on many boards including Metro North Rotary (immediate past president) and the Chamber of Commerce's leadership program (in-coming board chair).



Danielle C. Hermann, AIA
OPN Architects, Des Moines, Iowa

Danielle Hermann received a Bachelor of Architecture degree from Iowa State University in 2001 and graduated with a Master of Architecture degree, Summa Cum Laude, in 2008. She currently practices architecture at OPN Architects in Des Moines, Iowa, where she has been a Project Architect since joining the firm in 2008. Prior to her work with OPN, she was an Architect at Herbert Lewis Kruse Blunk Architecture, the 2001 AIA Architecture Firm Award winner. Though her background has afforded her the opportunity to touch a broad range of project types, her work with historic structures stands out. Danielle has been involved in the restorations and rehabilitations of some of the Des Moines area's most significant historic sites, such as the renaissance of the historic East Village neighborhood, the restoration of the Salisbury House and the Hoyt Sherman Place Theater, and her most current work at Terrace Hill, the Iowa Governor's Mansion.

Danielle is also a studio critic and has taught several undergraduate architectural design studios at Iowa State University. She continues to be actively engaged in the Iowa component of the AIA and is the current Chair and founder of the AIA Iowa Diversity Committee. One of her most current efforts is the development and implementation of the Track1 mentorship program and its supporting coalition of organizations which includes partnering with the Iowa ACE chapter, Iowa State University, and student organizations, such as AIAS and NOMAS.

Danielle has also had her award-winning graphic work featured at group and solo exhibitions in Iowa and Michigan. This work allows her to continue her investigation into the continually evolving status of women in the architectural profession as it is impacted by pregnancy and motherhood.

Danielle is an Associate Editor and a contributing author for the Journal section of the Iowa Architect Magazine and a graduate member of the Greater Des Moines Leadership Institute Class of 2009/2010.



"Exceed your client's expectations."

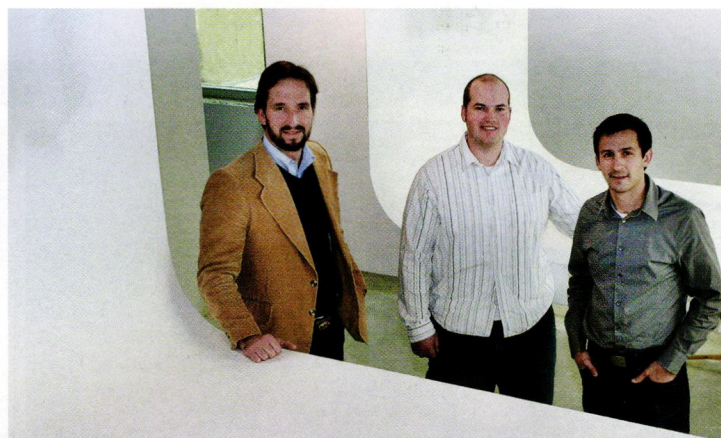
Syverson Tile & Stone products featured in this National award-winning, local loft project include:

- Tile: Tau Corten A 24x24 floor tile, 1x3 mosaics & 1x24 decorative liners on fireplace.
- Countertops: 3cm Caesarstone Lagos Blue Honed slab.

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BEFORE & AFTER

A MIRACLE ON MAIN STREET



TOM HURLBERT, AIA, LEED AP, is principal architect of Hula Design/Build Architecture. His firm has offices in Aberdeen and Sioux Falls. He can be reached www.huladesignbuild.com.

Perhaps calling a renovation on Aberdeen's Main Street a "miracle" is an exaggeration, but it's certainly positive momentum for the community. Thanks to the Aberdeen Downtown Association's Façade Grant Program, several core businesses have begun restoring the historic nature of their building's facades — and at least one business is feeling optimistic about the results.

The process of starting the Façade Grant Program in Aberdeen, as in most communities, was a challenge. How do you convince a community of the value of investing in a city's core? How do you convince a city government to allocate money for the façade of a private business?

The slow grant process began with a small group of downtown business people extolling the virtues of a healthy city core, increased property values and tax base, a tourist destination (and tourist dollars), improved quality-of-life for young adults and families, saving and renovating neglected buildings, and improving the overall image of the community. Not long after, the city and community jumped on board—and subsequently the Aberdeen Downtown Association was formed. The ADA then began to unite the goodwill and financial resources of downtown and the city.

After some successes and near successes with the initial grant recipients, the program appeared to be sputtering. The guidelines continued to be refined and improved, yet relatively few businesses were taking advantage of the ADA's program. In January 2010, The Engle Music Company submitted the only qualified application and received a grant to restore the façade of the Firey Building, originally constructed in 1912. The project

included brick cleaning and tuck-pointing, a new storefront, new windows, and new awnings. It was completed in late September 2010 and the effect of the renovation was instantaneous. "We get positive comments from numerous people, and it's continuous," noted co-owner Don Trebilcock.

Asked if the façade has had a positive impact on his business, co-owner Chuck Trebilcock stated, "You can't sell anything if they don't come in the door, and this is getting them in the door." Chuck continued, "If advertising could do this alone, then we would've spent the money on advertising. But this is doing what advertising won't." Don Trebilcock added, "Definitely...I have a feeling it's helping the till."

The Engel Music façade project coincided with the ADA's recent downtown streetscape renovation, which includes new colored sidewalks, planters, historic lighting, and other historic amenities. "People come into the store and they see what's going on downtown and they say—and not just one person but lots of people—'I hope it continues, I hope more businesses keep fixing up their stores,'" laughed Chuck.

The buzz downtown is palpable, and while the 2011 façade grant applications won't be due for some time, the ADA has already received notice of multiple submittals. Developers and property owners have been exploring downtown loft housing at several properties, and some buildings have recently been purchased for renovation.

So maybe we can call it a small miracle on Main Street. And it can happen where you live too. 🍀

UPDATE

Update Your Architect Finder Listing

AIA members can now easily update information about their firms for Architect Finder, including staff, contacts, and specialty areas. They can log in to the members section of aia.org and update their profile information—it will automatically be updated in Architect Finder as well as in the national and state AIA member databases.

Whether someone is dreaming of a new home or planning commercial space, involving an architect from the start is the key to success. The public can use the AIA Architect Finder to locate architecture firms anywhere. Users can search by city, state, ZIP Code, and surrounding area or by firm name at architectfinder.aia.org.

Two New Tools for State and Local Chapters

AIA National is launching two new initiatives that will help AIA better serve and align with the goals and activities of state and local chapters. A new template, the Weave, is a tool to help chapters (officially called components) examine their areas of work and connect with the newly crafted plan to create a stronger, unified AIA. Another complimentary tool, Component Plan for Excellence (CP4X), will help state and local chapters craft their own action plan and help chapter leaders run a great local organization.

AIA staff from Washington, DC, will host a retreat in 2011 to train the AIA South Dakota board and staff on using both tools effectively.

New Continuing Education System Launched

In November 2010, AIA overhauled its Continuing Education System (CES) for AIA members. The new CES Discovery system makes finding, registering, and receiving credit for educational sessions anywhere in the country easy and simple. It also allows members to check their credit transcript in both health, safety, and welfare (HSW) and sustainable design (SD) annual continuing education requirements. CES Discovery will improve interaction between education providers and members, as well as strengthen the educational offering guidelines. To find out more, including tutorials and tips for using CES Discovery, visit aia.org/education.

New Options for Paying Membership Dues in 2012

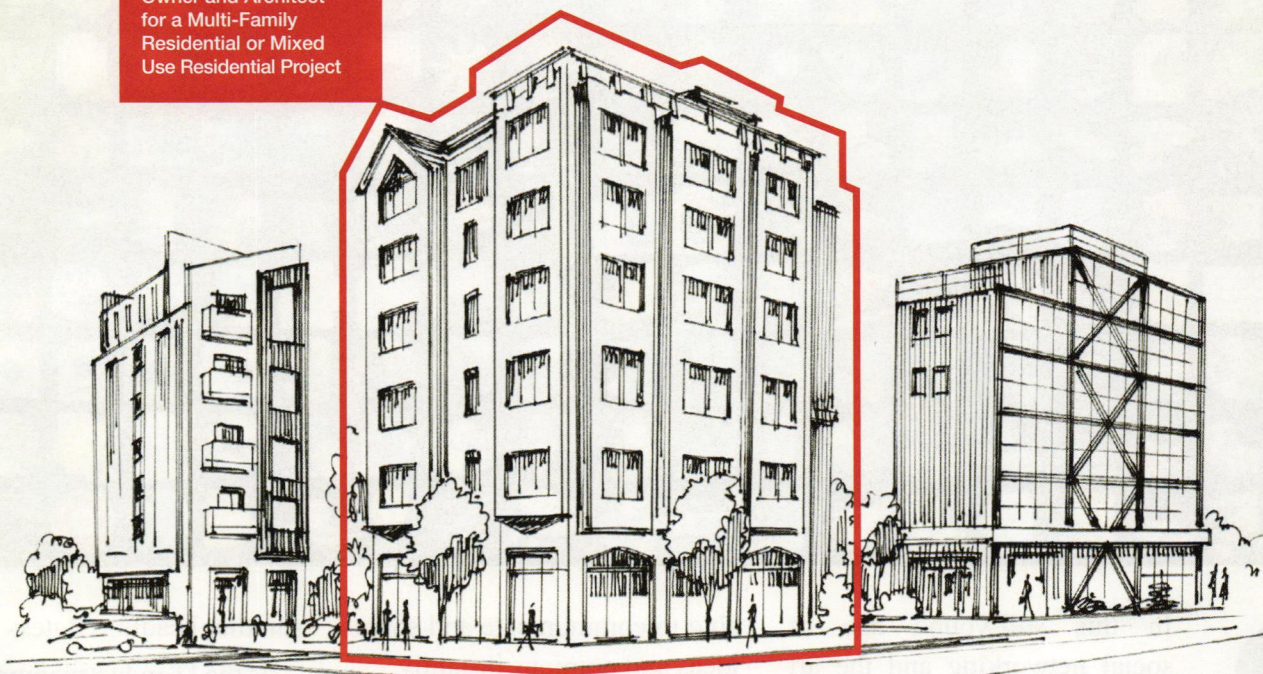
Beginning with 2012 dues, AIA members will have more options in paying their annual dues. A new monthly payment plan will become available, in addition to the current payment options. Learn more about AIA membership options at aia.org/join.

2011 National Convention in the Big Easy

New Orleans, LA, will welcome thousands of AIA members from around the world to the AIA National Convention, May 12-14, 2011. For more information or to register, visit <http://convention.aia.org/>. If you'd like to coordinate your travel with other AIA South Dakota members, contact us at aiasouthdakota.org. 🍷

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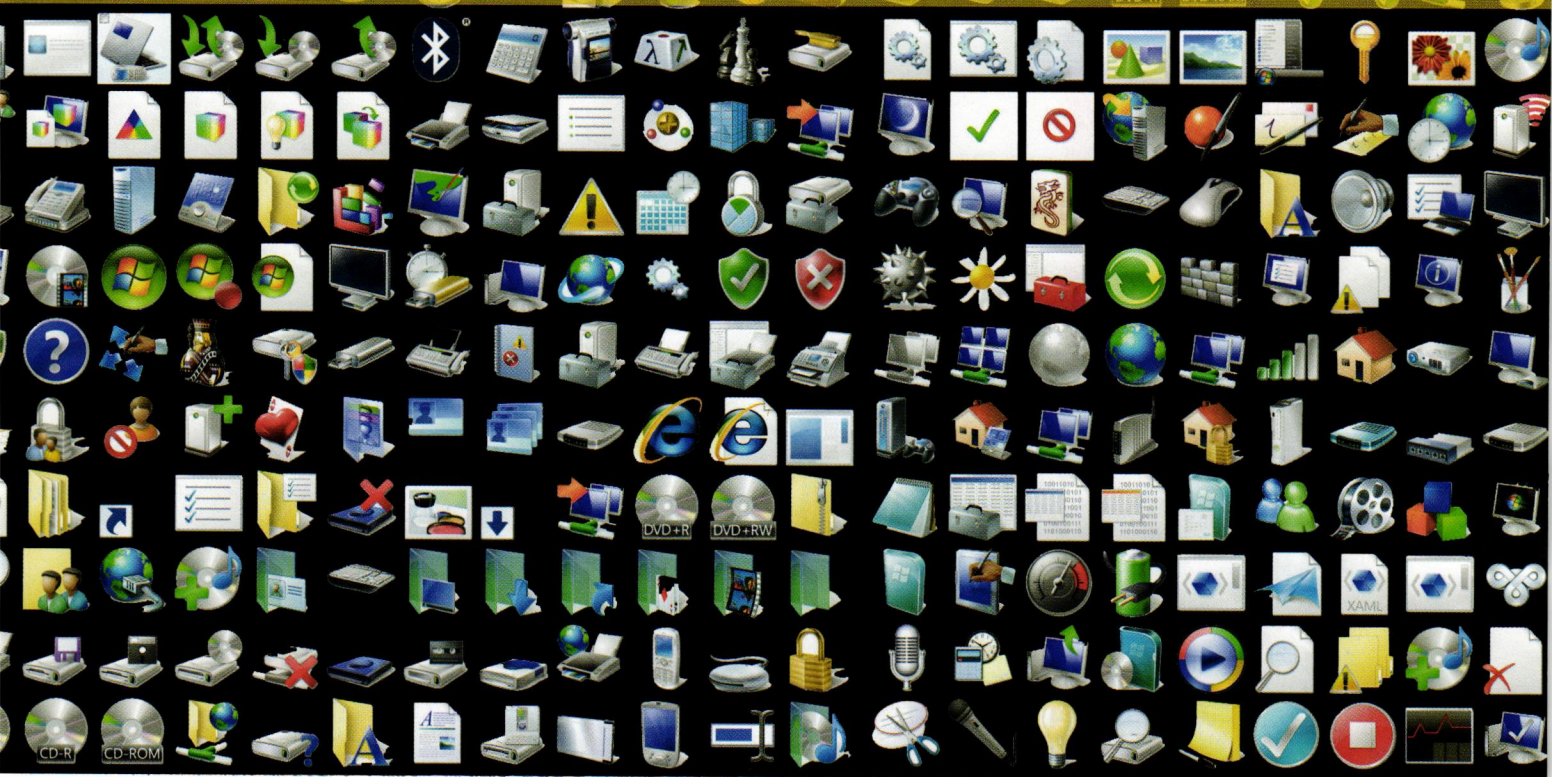


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COLLABORATION

Young Architects Forum



In this still-young age of social networking and the art of electronically voicing an opinion, these have come to the forefront of the architecture profession, especially as they impact young architects: the decline of the profession, the rising use of electronic media, and increased global interaction. The three elements are separate, and yet, they all contribute to the art of collaboration. Because of the power and impact of electronic media and their ability to communicate with peers on a global scale, architectural professionals are

able to communicate and share ideas and opinions instantly.

For example, on the Internet networking site LinkedIn, some typical discussion headlines among architecture type forums include:

There's a shortage of architects in Canada. Currently, there are about 9,000 architects in Canada, compared with some 233,000 in the U.S. See this recent article in *Architect* magazine. *From The American Institute of Architects group page on LinkedIn; article taken from Architectmagazine.com.*

Another headline states:

Is the IT industry improperly using the title "Architect" and the term "Architecture"? Is it hurting our Profession? *From The American Institute of Architects group page on LinkedIn.*

And another:

iPad apps for use in the building and construction industry take root. *From The American Institute of Architects group page on LinkedIn.*



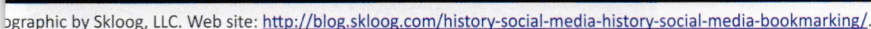
ELIZABETH OBAKA works as an Architect with TSP in Sioux Falls, SD. She has been registered in South Dakota since January of 2010. Involved in larger commercial and institutional building projects in the seven state region, she takes leadership in the LEED process. Elizabeth volunteers on various committees with such organizations as Habitat for Humanity of the Sioux Empire area, Sioux Falls Young Professionals Network, and more recently, Rotary of Sioux Falls. Elizabeth originally comes from Nigeria, coming to the United States as an architecture student in 1997, and has lived in Sioux Falls for 7 years.

retirement age. The question is how to use the electronic age to our advantage and help restore the profession.

Architecture and its issues don't just happen in South Dakota; they are national. And through electronic collaboration, we're discovering we don't live in our own bubble. No, we share the bubble, and through collaboration, we can find solutions to common problems and challenges. 🍷

Fewer architects are entering the profession. The baby-boomer generation is about to reach

Social media has become an integral part of modern society. There are general social networks with user bases larger than the population of most countries. There are niche sites for virtually every special interest out there. There are sites to share photos, videos, status updates, sites for meeting new people and sites to connect with old friends. There are social solutions to just about every need.



design:SD

PROJECT HILL CITY

Seeing Rural Communities Better

Hill City

Sponsored by The Rural Learning Center and AIA South Dakota

Design:SD

Hill City



ALAN L. WIESKAMP, AIA, LEED AP BD+C
Alan loves woodworking and does architecture to help pay for his woodworking habit. He lives in Sioux Falls with his wife and two sons.

The 2009 charrette in Hill City produced many firsts for design:South Dakota.

In October, the largest (15 member) design:South Dakota team thus far descended on Hill City to participate in a charrette process with challenges and opportunities never before experienced: unpredictable Black Hills weather, a work space still under construction, community members who had done their homework and came ready to participate and challenge the team like no other group had done before, and a city rich in history with a vision to become a center of culture and art for the Black Hills.

- Hill City was the first community in which the design team had community residents who participated in the production of the drawings: local artists Jon Crane and John Lopez, along with local business owners Dan Oedekoven and Ray Berberich.
- Hill City was the first community in which design:South Dakota used its formal application process. The business owners of the community rose to the challenge with tremendous participation. Ray Berberich of Berberich Designs developed Design Guidelines to help.
- Hill City was the first community west of the Missouri River to work with design:South Dakota.
- Hill City was the first community to invite the charrette to work in the fall, rather than the spring.
- Hill City was the first charrette in which co-founder Joe Bartman did not lead the team.
- Hill City was the first charrette in which no members of the design team were returning members. Only Lindsey Karlson and Tom Reasoner had been through the process before.

Yes, the Hill City charrette was a watershed of firsts, with unique challenges and so many “opportunities” that the design team had a tough time deciding what it should concentrate on. And it had a community that was so excited to participate and trust in whatever the design team came up

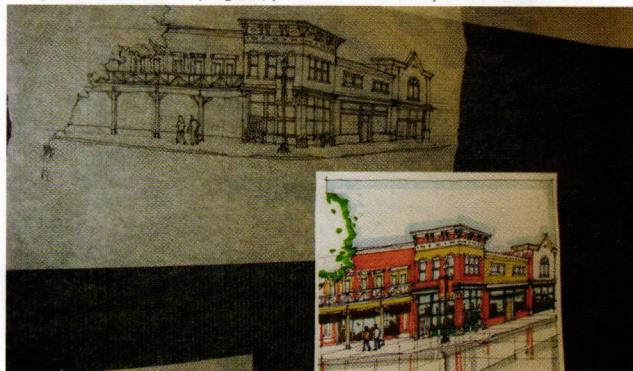
with that it made what could have been a disaster of coordination, decision making, and logistics into one of the most enjoyable charrette experiences thus far.

The road to the Hill City charrette started back in November 2008 when local groups decided to figure out what Hill City really wanted to be in the future. The Hill City Arts Council and the Heart of the Hills Economic Development Corporation partnered with the City of Hill City in a collaborative effort to create a sense of direction that the team had never experienced before. Hill City did not want to become another tourist stop that only catered to the Sturgis Bike Rally but instead wanted to tout its history as the “heart” of the Black Hills, with a central location to many attractions.

The city provided the members of the design team with such warmth and hospitality that that at the end of the 3 days, they could call Hill City a home away from home.

On the first night, team members and hosts gathered at Prairie Berry Winery for a meet and greet. In the early morning of the next day, the team set up the charrette space at the South Dakota State Railroad Museum—even while final touches were being made to its restoration. After presentations by community leaders, a bus tour took the team to the welcome center, a main crossroads that serves as the “entrance” to the city. The next stop was a foundry that heralds the desire for Hill City to be a hub for artists, and

Design board sketches in progress, posted for community comment.





Design:SD team leads community work session, “design visioning,” where community members rotate to different groups to provide input on various community issues.

finally to Main Street. Team members were able to experience the issues with a main street that was developed and still maintains buildings from the 1880s, but must serve as a designated DOT highway with design parameters that are in conflict with the use and feel of a downtown pedestrian area.

The local groups gave a clear vision of what they wanted for the community’s future and trusted the design team to develop ideas and designs to help them get there. The challenges put forth were altering the town grid and paths to create better places to hold art festivals; link town amenities like the school, railroad museum, Black Hills Museum of Natural History, and Mickelson Trail; and make connections to various art galleries and other main street businesses more user friendly.

As in all other design:South Dakota charrettes, the AIA’s Ten Principles of Livable Communities was used as a guideline for the design team to address the “look and feel” of the place they wanted to create:

1. Design on a human scale
2. Provide choices
3. Encourage mixed-use development
4. Preserve urban centers
5. Vary transportation options
6. Build vibrant public spaces
7. Create a neighborhood identity
8. Protect environmental resources
9. Conserve landscapes
10. Design matters

Hill City design team members are:

Thomas Baffuto, Architect from Rapid City, SD
 Ray Berberich, Graphic artist from Hill City, SD
 Paul Boerboom, Architect from Sioux Falls, SD
 Ollie Byrum, retired community developer/ engineer from Northfield MN
 Jon Crane, Artist from Hill City, SD
 Tanya Davis, Architectural Intern from Rapid City, SD
 Gene Fennell, Architect from Custer, SD
 Matt Fridell, Landscape Architect from Rapid City, SD
 Michelle Holter, Architectural Intern from Sioux Falls, SD
 Lindsey Karlson, Community Outreach from Howard, SD
 Dan Oedekoven, Community Extension Service from Rapid City, SD
 Whitney Parks, Architectural Intern from Sioux Falls, SD
 Timothy Roach, Architect from Rapid City, SD
 Alan Wieskamp, Architect from Sioux Falls, SD 🍷

South Dakota LEGO'CY



TOM REASONER, AIA

Tom is a free range architect practicing in the upper Midwest. He can be reached at tomreasoner@gmail.com.

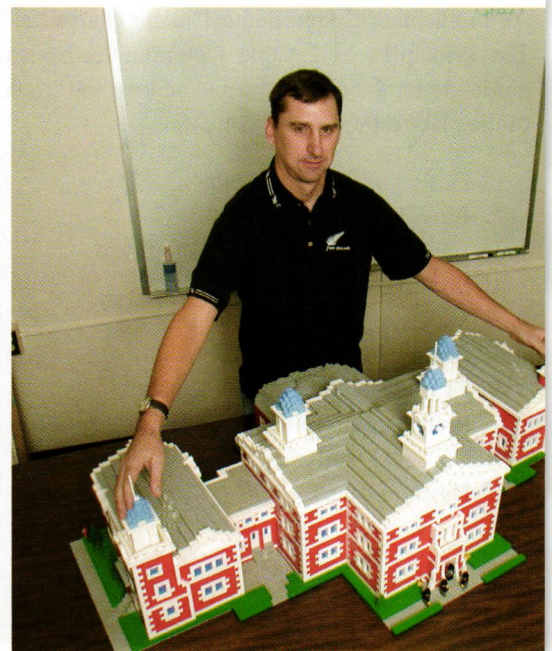
The late Samuel Mockbee, FAIA, pointedly, if not poetically, said that an experience with architecture was like being “snakebit.” I don’t know if Mockbee had anything to say about LEGOs, the ubiquitous building-block and “Toy of the Century” system developed in Denmark during the 1950s, but Pat Amundson of Vermillion has just completed a LEGO model of the 1889 Sioux City Iowa Corn Palace. It will be unveiled to the public in early 2011 at the Corn Palace in Mitchell before going to a permanent home in the Sioux City Public Museum now under construction in downtown Sioux City. Pat had always appreciated building and architecture and has been twice bit, so to speak, by the two different but related serpents.

Pat says that “LEGO allows you to make mistakes and correct them”, so building a LEGO kit is as easy or hard as any instruction-based endeavor; however, creating with LEGO (kit-

less) is another enterprise altogether. There is no Corn Palace kit produced by the LEGO Group; this is modular invention and adventure. Pat likes to work with standard LEGO shapes, not units developed for themes or other special kits, which adds a real-world aspect to his design and construction process. (There is LEGO kit for Wright’s Guggenheim Museum in New York City—69 pieces.) After he’s chosen a building, Pat starts with its most prominent element, the “icing on the cake.” Once this has been constructed, the rest of the building’s proportions and dimensions will fall into place—and scale.

Pat didn’t start serious LEGO-ing until after high school. His grandmother lived on a farm in Minnesota, and he had wonderful childhood memories of its beautiful Victorian house. After his grandmother passed away in 1983 and the house was sold, Pat decided to make a LEGO model of the house as

Pat Amundson Stands proudly with his first large-scale LEGO model of the University of South Dakota’s Old Main.





Pat's latest model, the 1889 Sioux City Corn Palace will be unveiled at the Mitchel Corn Palace in early 2011.

There are actually more than 900 million different ways of combining eight-stud bricks of the same colour."

– The LEGO Group

a way of revisiting beloved childhood memories. It was LEGO at first bite, with spousal and filial support from Jill, Megan and Morgan, respectively.

Pat's first large-scale building rendition was Old Main on the University of South Dakota's (USD's) campus. An inspiring Georgian fruitcake, this phoenix by South Dakota's first master architect W.L. Dow, has graced the campus since the late 1800s. Pat's 2004 model of Old Main contains more than 10,000 LEGO pieces. Even for a model some 4 feet long and 2 feet

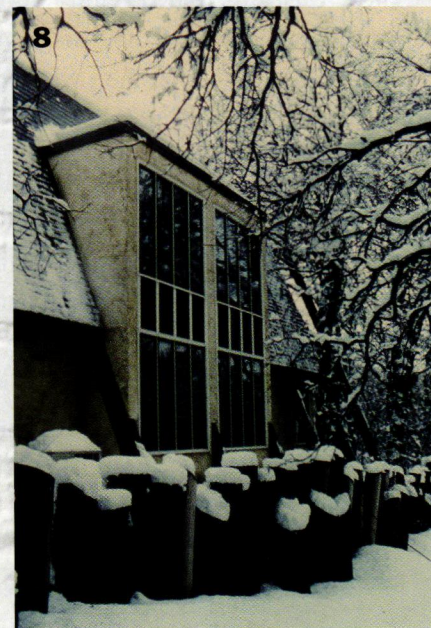
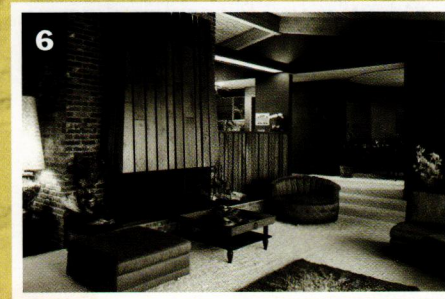
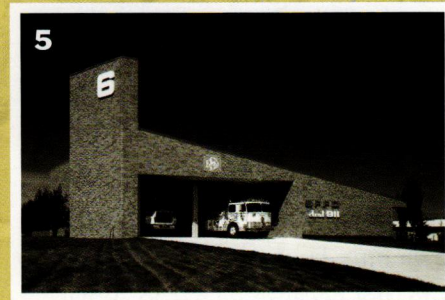
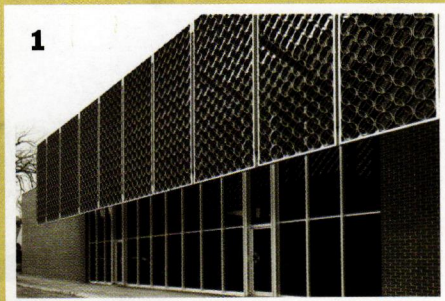
high, this seems like a lot until you see that the roof comes off and inside Farber Hall has also been recreated, balconies and all. This model, first exhibited in the USD Alumni/Foundation Center, was refurbished (with interior lighting) in 2006 and then displayed in the Belbas Center on the USD campus, adjacent to its namesake.

Models of the St. Agnes Catholic Church (1906), now the Washington Street Arts Center, and the Austin-Whittemore House (1883), currently the home of the Clay County Historical Society and Museum, both in Vermillion, were completed in 2006. These were followed in 2009 by an 1890s Michigan Fire Station as a tribute to his grandfather who was a fire chief. There were more, of course, some built

and then "sacrificed" to build others. Even LEGOs have embodied energy. While cost is not an object here (some \$10/pound) and as interesting a premise as building costs by weight, instead of square foot, might be, it comes as no surprise that Pat has a VIP card to the LEGO Imagination Center in Minnesota's Mall of America.

As you may have already guessed, this is not Pat's day job, and like many other bite victims, he does this because he wants to, not because he has to. What next? "Monticello," Pat said smiling, "is under consideration." LEGO is the Danish abbreviation of the words "play/build well" and so he has.

And as a result, so have parts of our building legacy. 🧱



The Whitwam Legacy

- 1 Bank, Clear Lake
- 2 Krall Clinic, Mitchell
- 3 St. John's Lutheran, Sioux Falls
- 4 Club David, Sioux Falls
- 5 Fire Station #6, Sioux Falls
- 6 Naused Residence, Sioux Falls
- 7-8 The Architect's Home, Sioux Falls
- 9 The Architect's Office, Sioux Falls



WARD WHITWAM, FAIA

South Dakota does not have a state architect; yet, if we did, it would have to be Ward Whitwam, FAIA (more on the “F” later). Anyone who lives or has traveled through our bipolar state has experienced Ward’s work. Our gateways are signposted by his lodge pole structures (affectionately called Ward’s Wigwam’s by the cognoscenti) at South Dakota’s visitor centers. These iconic concrete assemblies beckon us to embark on a journey, not just in space, but in time and place. A design solution as potent in its clarity as it is in elegant simplicity.

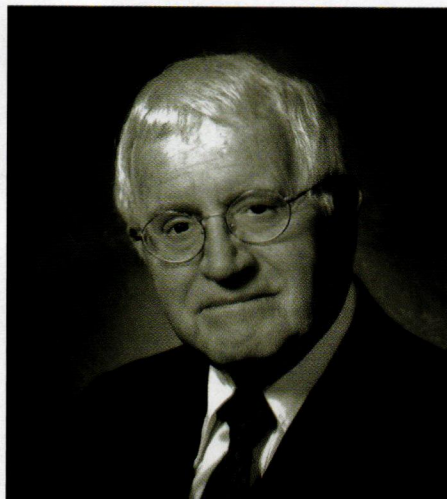
Ward has said “form first,” rather than following the Modernist formulas of the 20th Century taskmasters. A true Romantic, his works transcend tradition and take us into the realm of imagination and inspiration. Ward has no style other than his own unique blend of Whit (had to do it), grace, and “cool.” This is the architecture of a native son who grew up in Watertown and returned after interludes at a West Coast college and war in Europe. He opened his Sioux Falls office almost 60 years ago, and his shingle is still swinging.

Ward has never been mainstream, and he and his work remain outside of conventions. They delight us with their virtuosity—each creation unique in concept and detail. As we look at the images of Ward’s portfolio and re-

alize how much of our lives are played out and around his enduring legacy, we can pay tribute to one of our best set designers, whose contributions to the built environment are as diverse as they are diverting.

So next time you cross our Missouri at Chamberlain and stop at the Lewis and Clark Interpretive and Keelboat Center or circle up to the CorTrust Bank in Yankton or just kick back and enjoy the ambience of Club David or Ward’s own bungalow in Sioux Falls, say thanks for the memories and the surprises yet to come. And yes, the “F” means Fellow of the American Institute of Architects. This title goes only to those architects that have not only mastered their profession, but have changed it. An honor well deserved.

A rebel with a cause—architecture. Thank you, Ward. 🍷

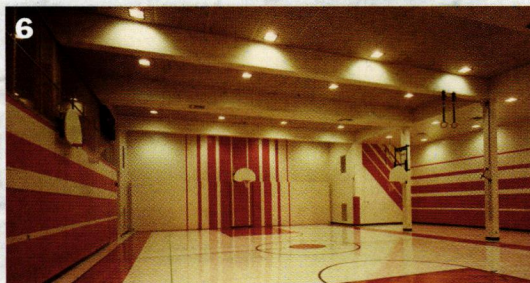
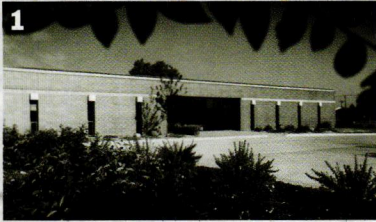


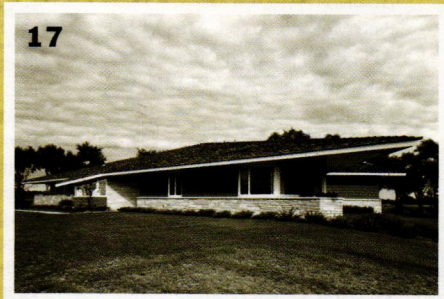
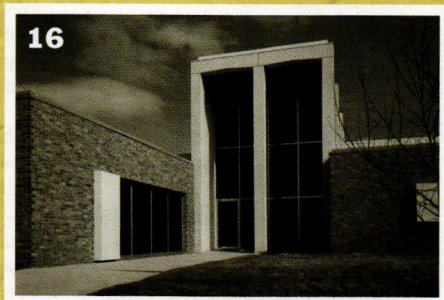
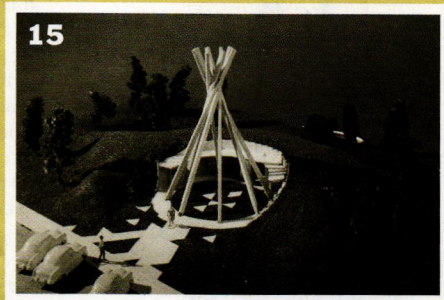
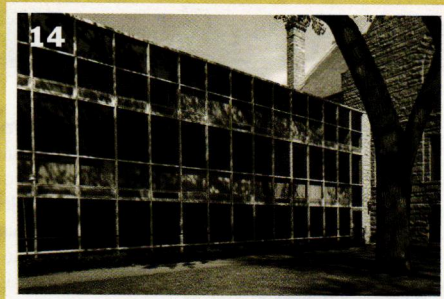
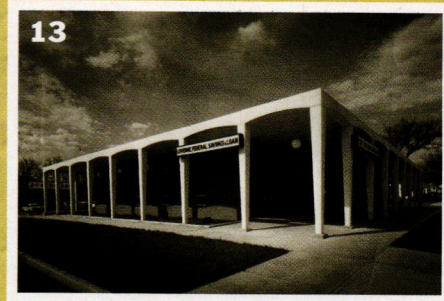
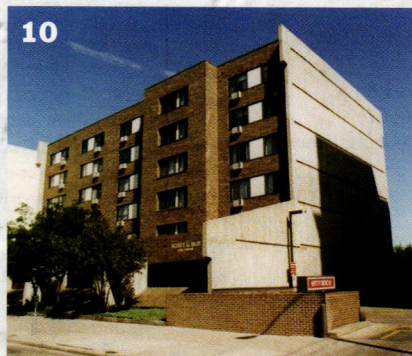
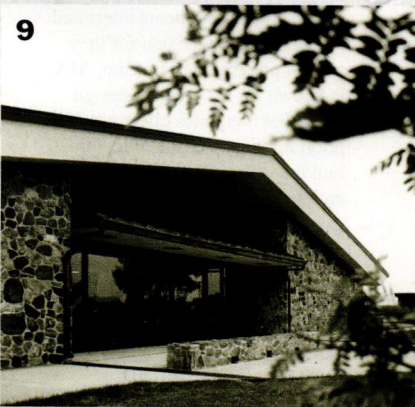
TOM REASONER, AIA

Tom is a free range architect practicing in the upper Midwest. He can be reached at tomreasoner@gmail.com.

The Whitwam Legacy, cont'd

- 1 Sweetman Building, Sioux Falls
- 2 Good Samaritan Home, Sioux Falls
- 3 Augustana Chapel, Sioux Falls
- 4 Methodist Church, Luverne
- 5 Restaurant, Mobridge
- 6 Gym Interior, Brookings
- 7 Catholic Church, Humboldt
- 8 Yankton Savings & Loan Interior
- 9 SD Interstate Rest Stop Building
- 10 Huey Building, Sioux Falls
- 11 Office Building, Sioux Falls
- 12 Law Office, Pierre
- 13 Savings & Loan, Luverne
- 14 First Cong. Church, Sioux Falls
- 15 SD Interstate Rest Stop Model
- 16 Good Samaritan Bldg, Sioux Falls
- 17 Kibbee Residence, Mitchell
- 18 Wrangler Motel, Mobridge

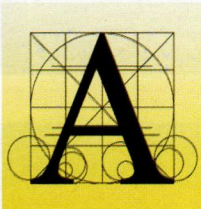




Firm Profiles

ARCHITECTURE INCORPORATED

Architecture



Incorporated

415 S. Main Ave
Sioux Falls, SD 57104
605.339.1711
Fax 605.339.2331
mail@architectureinc.com
www.architectureinc.com
Established: 1976

Additional Location
Rapid City, SD

Principals

Alan Richard Dempster, AIA,
LEED® AP - President
Mark Aspaas, AIA - Vice President
Steven Jastram, AIA - Corporate
Secretary
Elizabeth Squyer, AIA - Principal
Architect
Patti Monson, Assoc. AIA, LEED®
AP - Principal Production Manager
Sarah Aldinger, AIA, LEED® AP -
Principal Architect
Mitchell Aldinger, AIA, LEED® AP -
Principal Architect
Lisa VandeVoort, LEED® AP -
Principal Business Manager

Firm Personnel By Discipline

| | |
|------------------------------|----|
| Licensed Architects | 7 |
| Certified Interior Designers | 3 |
| Other Architectural | 10 |
| Contract Administration | 1 |
| Marketing | 2 |
| Administrative | 5 |

Firm Description/Philosophy

Founded in 1976, Architecture Incorporated in Sioux Falls, South Dakota has firmly established its reputation as a regional leader in innovative and award-winning design. In 2010, we broadened our state-wide presence by opening an office in Rapid City, South Dakota. As a well-diversified design firm, our awards are as varied as our portfolio. Indeed, we are proud to be architects of distinction, earning national recognition and designing for international clients. However, our pride is deepened by the fact that many of our awards represent the priority we place on listening. We listen to our clients. We listen to each other. Our philosophies are simple. Respect History. Preserve Beauty. Build Longevity. Embrace Stewardship. Advocate Sustainability. Create Innovation. Enhance Living. Imagine Better.

Recent Projects

New Classroom Building at University Center, Sioux Falls, SD; University Center, Rapid City, SD; Children's Museum of South Dakota, Brookings, SD; Career & Technical Education Academy, Sioux Falls, SD; Harrisburg High School, Harrisburg, SD; Prairie Club Golf Resort, Valentine, NE; Dakota Middle School Theatre Renovation, Rapid City, SD; Brandon High School Addition and Remodel, Brandon, SD; Presentation College Multi-Use Facility, Aberdeen, SD; SDSU Harding Hall, Brookings, SD; Dell Rapids Elementary School, Dell Rapids, SD

ARCHITECTURE AUTOMATED, INC.



Burnside Business Center
2108 W Burnside St, Ste 3
Sioux Falls, SD 57104
605.336.3722
Fax 605.336.3708
archauto@midconetwork.com
Established: 1986

Principals

Gene Murphy, AIA, NCARB

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Administrative | 2 |
| Other | 3 |

Firm Description/Philosophy

AAI is a full service Architectural Firm offering a wealth of experience in all parameters of design, but especially in the fields of Educational, Ecclesiastical, and Governmental Design.

Our geographical range extends from the far reaches of South Dakota to Southwestern Minnesota. We pride ourselves in our dedicated service to our clients with representation extending through the one year construction warranty period.

Recent Projects

School Facilities Expansion, Sioux Valley School District 05-5, Volga, SD; School Facilities Expansion, Dupree School District 64-2, Dupree, SD; Sioux Falls Arena Complex, South Dakota Dept. of Transportation, Sioux Falls, SD; School Facilities Expansion, Colman-Egan School District 50-5, Colman, SD; Worship Center Expansion, St. Matthews Lutheran Church, Worthington, MN

BAFFUTO ARCHITECTURA



baffuto architettura
bright-green

623 West Boulevard
Rapid City, SD 57701
605.341.7501
Fax 605.341.7501
bbaffuto@aol.com
Established: 1998

Principals

Thomas Baffuto, AIA/NCARB -
Principal Architect & Owner

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Administrative | 1 |

Firm Description/Philosophy

A design oriented architectural firm established by the desire to offer meaningful design through the "art" and "technology" of architecture, baffuto architettura seeks to work with enthusiastic clients interested in creating a new vision for their special projects. Mr. Baffuto, AIA is known for his creative design work that integrates client needs in programming and planning, into building solutions that are alive with architectural detail and functional expression.

Recent Projects

Rapid City Fire Stations #3, #6 & #7, Rapid City, SD; Harding County School District New K-12 School, Buffalo, SD; Jenny's Floral, Custer, SD; Hickok's Historic Hotel, Deadwood, SD; Meade County Housing Commission Office Expansion and Remodeling, Sturgis, SD; First Western Bank and Foothills Family Clinic, Piedmont, SD

BALDRIDGE & NELSON ARCHITECTS AND ENGINEERS, INC.



408 West Lotta Street, Suite 2
Sioux Falls, SD 57105
605.334.7179
Fax 605.334.2841
info@baldrige-nelson.com
Established: 1982

Additional Location

Amherst, VA

Principals

Jeffrey J. Nelson, AIA - President
Sherry R. Nelson, AIA - President

Firm Description/Philosophy

Baldrige & Nelson Architects and Engineers, Inc. believes that quality design comes from a total commitment to each individual project. Every client has unique and important needs. Our team of professionals ensures that these needs are met through programming, design and communication. Our goal in working toward the successful completion of each project is exemplified in our design philosophy.

It simply states:

“Quality architecture is never an accident. It is the result of good design, sincere effort, intelligent direction and skillful execution.”

Recent Projects

Science Lab Renovations, MeWalt-Jensen & Krikac Buildings, Northern State University, Aberdeen, SD;
SD State Library Renovation, Pierre, SD;
Base Civil Engineering Complex, South Dakota Air National Guard, Sioux Falls, SD;
Kramer Hall Dormitory Renovation into Suites, Northern State University, Aberdeen, SD;
New Office Building, Pierre Economic Development Authority, Pierre, SD;
Tri-Valley High School Addition and Renovation, Colton, SD

BANNER ASSOCIATES INC.

BANNER

Engineering | Architecture | Surveying

409 22nd Ave South
PO Box 298
Brookings, SD 57006
605.692.6342
Fax 605.692.5714
contact@bannerassociates.com
www.bannerassociates.com
Established: 1947

Additional Locations

Sioux Falls, SD
Rapid City, SD
Vermillion, SD
Pipestone, MN
St. Peter, MN

Principals

Daryl Englund, PE - President
David Odens, PE - Principal
Richard Salonen, PE - Principal
Timothy Connor, PE - Principal
Dennis Micko, PE - Principal

Firm Personnel By Discipline

| | |
|--------------------------|----|
| Licensed Architects | 2 |
| Other Architectural | 2 |
| Interior Designer | 1 |
| Licensed Engineers | 33 |
| Other Engineers | 6 |
| Surveyors | 4 |
| Construction Observation | 2 |
| GIS | 1 |
| CADD Technicians | 8 |
| Administrative | 5 |

Firm Description/Philosophy

Banner Associates is a multidiscipline engineering and architectural firm dedicated to developing innovative solutions for our client's specific needs. To best serve our clients we offer the personalized service that a small firm provides, along with the proficient and knowledgeable staff and resources that a large firm offers. Virtually all projects have numerous disciplinary facets. As a multi-disciplined firm with a cross section of expertise available, we will tailor a team of qualified and

experienced professionals backed by skilled technical and support staff, to provide the level of expertise and service that is precisely right for each project. Banner's wide range of expertise includes architecture; civil/transportation, municipal, and structural engineering; land development; water resources planning and development; water storage, distribution and treatment; wastewater collection and treatment; GIS and surveying.

Recent Projects

SDSU Innovation Center, Brookings, SD;
SDDOT Region/Area Office Addition, Pierre, SD;
Camelot Intermediate School, Brookings, SD;
SDDOT Brookings Area Maintenance Facility, Brookings, SD;
Larson Manufacturing - Distribution Center, Albert Lea, MN;
Boys and Girls Club of America, Brookings, SD;
URC Child Development Center, Brookings, SD;
Larson Ice Center Front Entrance Upgrad & Red Rink Improvements, Brookings, SD

Firm Profiles

FENNELL DESIGN, INC.



237 N. 6th Street
Custer, SD 57730
605.716.0520
Fax 605.716.0521
gene@fendesinc.com
www.fendesinc.com
Established: 2006

Principals

Gene Fennell, AIA - Principal

Firm Personnel By Discipline

| | |
|-----------------------|---|
| Licensed Architects | 1 |
| Interior Design | 1 |
| Architectural Interns | 2 |
| LEED® AP | 3 |
| LEED® CI | 1 |

Firm Description/Philosophy

Enter into Planning & Design relationships that guide the client, builder & community to innovative & sustainable environments; providing prideful expression of profession and lifestyle.

Recent Projects

Custer County Courthouse, Custer, SD;
Custer Sky Blue Restaurant, Custer, SD;
Custer Liquor Store, Custer, SD;
Custer Ambulance Service, Custer, SD;
Apple Springs Golf Lodge, Boulder Canyon, SD;
Prairie Berry Winery - Phase III, Hill City, SD;
Highmark FCU, Rapid City, SD;
Historic Fairmont Creamery, Rapid City, SD;
Fire Station #1 Upgrades, Rapid City, SD;
Hart & Beshara Residences, Handicapped Access Additions (Pro-bono)

FOURFRONT DESIGN, INC.



517 7th Street
Rapid City, SD 57701
605.342.9470
Fax 605.342.2377
kanderson@4front.biz
Established: 2006

Additional Location

Spearfish, SD

Principals

Bryan S. Vulcan, PE - President/CEO
Curt Huus, PE/LS - VP/COO
Ken Anderson - VP/CFO

Firm Personnel By Discipline

| | |
|--------------------------|----|
| Licensed Architects | 4 |
| LEED AP Professionals | 10 |
| Licensed Engineers | 9 |
| Licensed Land Surveyors | 4 |
| Interior Designers | 2 |
| GIS Manager | 1 |
| Certified Energy Manager | 1 |
| Technical | 14 |
| Administrative | 6 |
| Landscape Architect | 1 |
| Mechanical Engineer | 1 |
| IT Professional | 1 |

Firm Description/Philosophy

The name FourFront Design, Inc. reflects both services offered and core values of our firm. Our primary disciplines include Architecture, Engineering, Landscape Architecture, Mechanical Engineering, Surveying, Planning, and Geographic Information Systems. These services are backed by our promise to serve Clients with leading edge, award-winning services in professional practice.

FourFront Design, Inc., originated as Brady Consultants in Spearfish, SD in 1950. In 1980, it reorganized to form the Alliance of Architects and Engineers. In January 2006, the Alliance of Architects and Engineers merged with Thurston Design Group, LLP, to form FourFront Design, Inc.

Sustainable Design has long been a primary focus of the firm, and we are the first South Dakota professional design firm to become a member of the United States Green Building Council. Several staff have become LEED Accredited Professionals.

As a Service Disabled Veteran Owned Small Business (SDVOSB) with nearly 50 professionals, FourFront Design, Inc. proudly serves clients from throughout the continental United States from offices in Rapid City and Spearfish, South Dakota.

Recent Projects

Dahl Arts Center Expansion and Remodel, Rapid City, SD;
Ketel-Thorstenson CPA's Office Expansion, Rapid City, SD;
Health Sciences Facility, Gillette, WY;
Joint Forces Headquarters, SDARNG, Rapid City, SD;
Rushmore Plaza Civic Center Arena Expansion, Rapid City, SD;
South Dakota Housing Development Association Offices, Pierre, SD

GALYARDT ARCHITECTS INC.



1506 Mt View Road, Ste. 102
Rapid City, SD 57702
605.343.5282
Fax 605.343.2378
gemgold@aol.com
Established: 1968

Principals

Gary E. Galyardt, AIA - President

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Administrative | 1 |

Firm Description/Philosophy

GAI provides architectural and planning services for educational and recreational facilities, commercial offices and retail buildings, government and community use facilities, industrial and warehouse facilities and multi-unit housing. Our philosophy of combining strong design skills with equally strong practical technical skills. We provide personal attention to our clients and create projects that are responsive to our clients programs and budget constraints. This has resulted in successful projects and satisfied repeat projects for over 40 years.

Recent Projects

St. Francis Mission New Administration Building and Recovering Addition, St. Francis, SD;
Lead-Deadwood School Boys Locker Renovation and Elevator Replacement, Lead, SD;
United Blood Services, Rapid City, SD;
New K-12 School Building Conceptual Design, Buffalo, SD;
St. Charles Church, Historical Restoration and Miscellaneous Improvements, St. Francis, SD;
St. Ambrose Catholic Church Elevator Addition, Deadwood, SD

HKG ARCHITECTS



524 South Arch Street
Aberdeen, SD 57401
605.225.6820
Fax 605.227.7770
dean@hkgarchitects.com
www.HKGarchitects.com
Established: 1952

Principals

Dean Marske, AIA - Principal

Firm Personnel By Discipline

| | |
|-------------------------|---|
| Licensed Architects | 1 |
| Architectural Designers | 2 |
| Project Managers | 2 |
| Administrative | 1 |

Firm Description/Philosophy

For more than five decades, HKG Architects has been empowering our clients to grow and expand by bringing their visions to life. Our technical know-how means your project stays on schedule. And our years of experience mean we know how to operate easily within any budget. From beginning to end, we keep you in the loop through every phase of the project. With unparalleled access to our experts, you get the personal touch you deserve.

Recent Projects

Faulkton Area Medical Center, Faulkton, SD;
Mobridge High School, Mobridge, SD;
Sisseton Fine Arts Center, Sisseton, SD;
Aberdeen Public Safety Building, Aberdeen, SD;
Aberdeen Fire & Rescue Facilities 1,2 & 3, Aberdeen, SD;
Highmore Multi-Purpose Addition, Highmore, SD

HULA DESIGN/BUILD



9 2nd Ave SE
Aberdeen, SD 57401
605.225.6820
Fax 605.725.4852
thurlbert@huladesignbuild.com
www.huladesignbuild.com
Established: 2008

Additional Location

Sioux Falls, SD

Principals

Thomas Hurlbert, AIA - Principal

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| General Contractors | 1 |
| Project Managers | 2 |
| Wiener Dog | 1 |

Firm Description/Philosophy

We're a South Dakota firm with a simple philosophy, "Let's have better architecture in our own backyard!"

Recent Projects

Presentation College Multi-Use Facility, Aberdeen, SD;
O.M. Tiffany Elementary School Classroom Addition, Aberdeen, SD;
Lamont Office Building, Aberdeen, SD;
2nd Street Corridor Development, Rochester, MN;
Splitrock Center Retail Building, Aberdeen, SD;
Gold Dust Renovation, Deadwood, SD;
Simmons Elementary School Renovation & Addition, Aberdeen, SD;
Engel Music Facade Renovation, Aberdeen, SD;
Olive Drive Patio Homes, Aberdeen, SD

INNOVATIVE DESIGN & MANAGEMENT SERVICES, LLC



3800 West Technology Circle, Ste 202
Sioux Falls, SD 57106
605.335.1011
lauringer@innovativedesign-sf.com
Established: 2004

Principals

Lanny J. Auringer - Architect/Owner

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Other Architectural | 1 |
| Administrative | 1 |

Firm Description/Philosophy

Innovative Design was started in response to the demand by contractors, developers and owners searching for an architectural firm that would provide a high level of service, quality and efficiency. Innovative Design has been able to respond to this need and our list of satisfied clients continues to grow. Innovative Design & Management Services, LLC is a highly qualified architectural firm capable of designing and managing even the most complex and challenging projects.

Recent Projects

Thurston Trading, Sioux Falls, SD;
St. Katharine Drexel Catholic Church Multi-Purpose Room Addition, Sioux Falls, SD;
Sterling Drug, Worthington, MN;
Pace Manufacturing, Brandon, SD;
Big Cheese Pizza, Sioux Falls, SD

L.L. JIRSA, ARCHITECT

123 N Main Street
Mitchell, SD 57301
605.996.8185
Fax 605.996.8185
lljirsa@mitchelltelecom.net
Established: 1992

Principals

Larry L. Jirsa, AIA - Owner

Firm Profiles

KOCH HAZARD ARCHITECTS



K O C H • H A Z A R D
A R C H I T E C T S

431 North Phillips 200
Sioux Falls, SD 57104
605.336.3718
Fax 605.336.0438
www.kochhazard.com
Established: 1961

Principals

Jeff Hazard, AIA, LEED® AP -
Senior Principal and CEO
Chris Schiltz, AIA - Senior Principal
and President
Stacey McMahan, AIA, LEED®
AP BD + C - Principal and Vice
President
Todd Stone, AIA - Associate
Principal
Cory Bleyenburt, Assoc. AIA -
Associate Principal
Tony Taylor, Assoc. AIA - Associate
Principal

Firm Personnel By Discipline

| | |
|--------------------------|---|
| Licensed Architects | 4 |
| LEED® AP | 9 |
| Project Manager/Designer | 8 |
| Technical/Graphics | 4 |
| Interior Design | 1 |
| Marketing | 1 |
| Administrative | 1 |

Firm Description/Philosophy

Koch Hazard Architects focuses on client mission and vision, providing thoughtful advice, responsive management, insightful design, comprehensive documentation and diligent follow through, building lasting relationships. The firm provides architecture, planning and interiors services in South Dakota, Minnesota, Iowa, and Nebraska. Firm expertise includes education, healthcare and recreation facilities, commercial, governmental

and cultural facilities, churches, multi-family and senior residential and mixed-use facilities, sustainable development, preservation, restoration and adaptive reuse. Koch Hazard's work has received numerous professional and civic awards.

Recent Projects

National Music Museum, Vermillion, SD;
Heartland Consumers Power, Madison, SD;
Jackrabbit Village, SDSU, Brookings, SD;
Our Savior's Lutheran Church, Sioux Falls, SD;
Rural Learning Center, Howard, SD;
Longfellow Elementary, Mitchell, SD;
Brookings High School, Brookings, SD;
Cherapa Place, Sioux Falls, SD;
USD Sanford School of Medicine, Vermillion, SD;
Sioux Falls Airport Expansions, Sioux Falls, SD;
Gloria Dei Lutheran Church, Sioux Falls, SD;
Sammons Financial, Sioux Falls, SD;
Washington Pavilion of Arts and Science, Sioux Falls, SD

LUND ASSOCIATES LTD.



1621 Sheridan Lake Road
Rapid City, SD 57702
605.348.3555
Fax 605.348.6254
lund@lundltd.com
www.lundltd.com
Established: 1980

Principals

Cam Lund - President

Firm Personnel By Discipline

| | |
|-----------------------|---|
| Licensed Architects | 3 |
| Architectural Interns | 2 |
| Civil Engineers | 1 |
| Interior Designers | 2 |
| CAD Technicians | 2 |
| Administrative | 2 |

Recent Projects

Deadwood Mountain Grand - Hotel/Casino/Entertainment Center, Deadwood, SD;
Deadwood Gulch Resort Remodel, Deadwood, SD;
Chadron Community Hospital, Chadron, NE;
Black Hills Community Bank, Rapid City, SD;
Days of '76 Museum, Deadwood, SD;
VA Black Hills Health Care System, Renovation of Primary Care, Hot Springs, SD

MANNES ARCHITECTS

800 Douglas Avenue
Yankton, SD 57078
605.665.1852
Fax 605.665.1875
info@mannesarchitects.com
www.mannesarchitects.com
Established: 1982

Principals

Glenn H. Mannes, AIA - Principal/
Owner
Sarah Mannes Homstad - Project
Architect

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 2 |
| Other Architectural | 1 |
| Administrative | 1 |

Firm Description/Philosophy

Glenn Mannes began his architectural practice in 1982 and continues to serve as the sole principal of the office. His daughter Sarah joined the firm in 2005 and has been registered in South Dakota since 2007. Commitment to community, pursuit of simplicity, and an emphasis on practicality guide the processes behind each project. Our experience and expertise help save our clients time and money. Clients range from families and congregations to businesses and municipalities.

Recent Projects

Yankton School District
Administrative and Bus Facilities, Yankton, SD;
Yankton Fire Department Station No. 2, Yankton, SD;
Yankton Women's/Children's Center, Yankton, SD;
Cedar County Courthouse expansion and remodel, Hartington, NE;
Services Center Federal Credit Union, Yankton, SD

MILLER SELLERS HEROUX ARCHITECTS



625 S Minnesota Ave, Ste 204
Sioux Falls, SD 57104
605.332.7850
Fax 605.332.3539
robin@msharch.com
www.msharch.com
Established: 1989

Principals

Robin Miller, AIA - CEO
David Sellers, AIA - Principal
James Heroux, AIA - Principal
Adam Alrubaie, International Assoc.
AIA, ARB, RIBA - Healthcare
Design Partner

Firm Personnel By Discipline

| | |
|-----------------------------------|---|
| International Licensed Architects | 1 |
| US Licensed Architects | 3 |
| Other Architectural | 5 |
| Administrative | 3 |
| LEED AP BD+C | 4 |
| LEED AP | 2 |

Firm Description/Philosophy

MSH Architects specializes in healthcare, sports, commercial, church and government projects. MSH boasts international healthcare design partner, Adam Alrubaie, whose experience was the Lead Design Architect of a \$5B hospital. Our principals come from 4 major markets with extensive national experience. The firm draws from this rich national experience.

Recent Projects

Capitol Lake Plaza, LEED
Government Energy Study, Pierre, SD;
Plastic Surgery Clinic and Same Day
Surgery, Sioux Falls, SD;
Veterans Administration, Sioux Falls, SD;
GSA, Region 8, Denver, CO;
USF NCAA Division II Athletic
Complex, Sioux Falls, SD;
LDS Church; Multiple Locations

PERSPECTIVE, INC.



196 E 6th Street, Ste 100
Sioux Falls, SD 57104
605.271.9877
Fax 605.271.9879
info@perspective-inc.com
www.perspective-inc.com
Established: 2007

Principals

Larry Crane, AIA - Architect/Partner
Jim Bruget - Project Manager/Partner

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Other Architectural | 3 |
| Interior Designer | 1 |
| Administrative | 1 |

Firm Description/Philosophy

Perspective: to visually process information, objects, and space in their true relation. Perspective is Sioux Falls' newest architectural and interior design studio providing a fresh vision, purposeful design, and client-focused service. Full of energy and passion for design, Perspective's team works with clients to create a vision for their project. The team has extensive experience in hospitality, healthcare, and corporate building projects. Each team member contributes unique talents to the studio, including architecture, interior design, and project management.

Recent Projects

CNA Surety, Sioux Falls, SD;
SDSU McCrory Gardens Education
Center, Brookings, SD;
Sioux Falls Federal Credit Union,
Arrowhead Branch, Sioux Falls, SD

RANDALL STANLEY ARCHITECTS, INC.



405 South 3rd Avenue
Sioux Falls, SD 57104
605.336.6891
Fax 605.335.5858
rsa@rsarchitects-sd.com
www.rsarchitects-sd.com
Established: 1989

Principals

Gary L. Stanley, AIA, NCARB –
Principal
Keith Neuharth, AIA, NCARB –
Associate
Jeremy Christopherson, Assoc. AIA,
LEED® AP – Associate
Jeri Breck – Associate

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 2 |
| LEED® AP | 2 |
| Other Architectural | 2 |
| Administrative | 2 |

Firm Description/Philosophy

The firm was established in 1989 by Gary L. Stanley to provide vision & design solutions that are functional, economical and aesthetically represent our client's needs.

RSA serves a variety of markets locally and nationally. RSA is committed to implementing LEED standards of sustainable design into all of our projects to ensure the development of high performance buildings.

Establish, cultivate and nurture is our approach to building solid client relationships. Our philosophy is simple...to listen, learn, and design around YOUR unique project goals.

Recent Projects

North Commons Dining Hall
Renovation, University of South
Dakota, Vermillion, SD;
Human Services Center Dietary
Addition, Yankton, SD;
Watertown Police Department, City
of Watertown, Watertown, SD;
Holy Cross Lutheran Church, Sioux
Falls, SD;
East River Electric Corporate
Headquarters, Madison, SD;
Hope Haven Training and
Administration Facility, Rock Valley, IA;
Hy-Vee Stores (projects in SD and MN);
Good Samaritan Society (projects in
SD, MN, and IA)

Firm Profiles

TOM REASONER, ARCHITECT



915 Ridgecrest Drive
Vermillion, SD 57069
605.624.7076
tomreasoner@gmail.com
Established: 1997

Principals

Thomas E. Reasoner, AIA

Firm Personnel By Discipline

Licensed Architects 1

Firm Description/Philosophy

A general practitioner practicing generally in South Dakota. Classically trained and romantically inspired design. Somethings are bigger than others, but nothing is too small. Architecture and design services scaled for the client and performed as a partner in the quality and care of the built environment.

Recent Projects

Dove Meadows (Plans/Model), Plymouth County, IA;
Pettersen Residence Green Remodel, Clay County, SD;
Visitors Center/Monument Model, Roberts County, SD;
Bradbury Residence Garden Pavilion Plan, Vermillion, SD

ROBERT J. RYSAVY, LLC

2801 W. Oak Street
Sioux Falls, SD 57105
605.610.7786
rysb@sio.midco.net
Established: 2009

Principals

Bob Rysavy, AIA

Firm Personnel By Discipline

Licensed Architects 1

Firm Description/Philosophy

Our firm practices architectural services from the initial programming/planning and design, and through the construction phase. Our approach to quality design is to form a long-term relationship and understand the project goals and expectations. We have found that by listening and hearing the client, we are able to develop solutions that meet the program and design requirements.

Recent Projects

Masonry Restoration, SD School for the Deaf, Sioux Falls, SD;
New Dormitory, Pierre Indian Learning Center, Pierre, SD (Construction Phase Services);
Youth & Family Services Center, VOA, Sioux Falls, SD (Consultant to By Design, LLC);
Addition/Remodel, Buffalo Lake Healthcare Center, Buffalo Lake, MN;
Blackhawk Community Center, Winnebago, NE (Energy Upgrade Study)

SANDRA LEA DICKENSON ARCHITECTURE

Sandra Lea Dickenson, A.I.A.

203 S Yale Street
Vermillion, SD 57069
605.624.6670
finelinearch@gmail.com
Established: 2001

Principals

Sandra Lea Dickenson, AIA

Firm Personnel By Discipline

Licensed Architects 1

Firm Description/Philosophy

Sandra Lea Dickenson Architecture provides services in Southeast South Dakota for small building projects, both commercial and residential.

We recognize that small projects are often more design intensive than larger projects and are positioned to provide the special attention that small projects require.

Recent Projects

SESDAC Inc. Office Renovation, Vermillion, SD;
Center for Children and Families, Vermillion, SD;
Coker Residence, Vermillion, SD;
Boomer Homes for Easy Living, Vermillion, SD

TODD ARCHITECTS LTD.



TODD ARCHITECTS

PO Box 23 • 8 East Kemp
Watertown, SD 57201-0023
605-886-7730 • 605-886-7733 fax

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Watertown, SD 57201
605.886.7730
Fax 605.886.7733
dave@toddarchitects.com
Established: 1969

Principals

David J. Todd, AIA - President

Firm Personnel By Discipline

Licensed Architects 1
Administrative 1
Other 1

Firm Description/Philosophy

Our philosophy is to have a principal in charge and in direct contact with the project through all phases of the work. Our sound reputation ability to establish good communications with our clients and meet tight project schedules.

Recent Projects

Lake Area Technical Institute (Building Expansion Phase I), Watertown, SD;
Watertown municipal Utilities, Watertown, SD;
Faultless-Nutting (Manufacturing Facility), Watertown, SD;
Codington-Clark Electric Cooperative, Inc, Watertown, SD;
McKinley Elementary School, Watertown, SD;
Mobridge Game, Fish & Parks, Mobridge, SD

TSP, INC.



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605.336.1160
Fax 605.336.7926

600 Kansas City Street
Rapid City, SD 57701
605.343.6102
Fax 605.343.7159
info@teamtsp.com
www.teamtsp.com
Established: 1930

Additional Locations

Minneapolis, MN
Rochester, MN
Marshall, MN
Marshalltown, IA
Omaha, NE
Sheridan, WY

Principals

Sioux Falls
Paul Boerboom, AIA
Richard Gustaf, PE
Tony Dwire, PE
Sean Ervin, AIA, LEED® AP
Michael Jamison, PE
Kent Larsen, AIA
Ron Mielke, PE

Rapid City
Bob Morcom, PE

Firm Personnel By Discipline

| | |
|-------------------------------|----|
| Licensed Architects | 26 |
| Other Architectural | 11 |
| Construction | 10 |
| Engineering | 22 |
| Other Engineering | 16 |
| Interior Design | 4 |
| Administrative | 29 |
| LEED Accredited Professionals | 23 |

Firm Description/Philosophy

TSP is a full-service firm employing almost 120 skilled professionals offering architecture, engineering, interior design, and construction services. We believe that successful projects are the result of experience, knowledge, and team leadership. We are committed to the development of long-term relationships with our clients. Our high quality planning services and appropriate design solutions illustrate this dedication and commitment.

Recent Projects

SDSU Dairy Micro-Biology Building, Brookings, SD;
Valley County Health System, Ord, NE;
Memorial Community Hospital, Blair, NE;
ID 287 North Education Center, New Hope, MN;
Rapid City Airport Concourse Terminal Enhancements, Rapid City, SD;
South Dakota Public Universities and Research Center, Sioux Falls, SD

UPPER DECK ARCHITECTS, INC.



1301 W Omaha St, Ste 212
Rapid City, SD 57701
605.721.0237
Fax 605.721.0240
tmc@upperdeckarchitects.com
www.upperdeckarchitects.com
Established: 2007

Principals

Timothy D Cheever, AIA - Principal

Firm Personnel By Discipline

Licensed Architects 2

Firm Description/Philosophy

Upper Deck Architects is a unique company with the goal of providing a personalized service that is unequalled in the region. Dedicated to client satisfaction, we pride ourselves on listening to our clients to completely understand their project needs and goals.

Established in 2007, Upper Deck Architects is a new firm comprised of familiar faces. While working together at a large architectural firm, our personnel had the desire to work in a fun, creative and collaborative environment.

Recent Projects

Calvary Lutheran Church, Rapid City, SD;
Arrowhead Country Club; Rapid City, SD;
Belle Fourche City Hall, Belle Fourche, SD;
Hill City Middle School, Hill City, SD;
Tuscany Square Shopping Center, Rapid City, SD;
Douglas Elementary School. Box Elder, SD

WARD WHITWAM, ARCHITECT



401 east eighth street suite 200m
sioux falls south dakota 57103

401 East 8th Street, Ste 200C
Sioux Falls, SD 57103
605.376.7633
Firm 605.334.2422
wardwhitwam@yahoo.com
Established: 1953

Principals

Ward Whitwam, FAIA

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architects | 1 |
| Administrative | 1 |
| Interior Design | 1 |

Firm Description/Philosophy

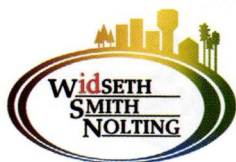
Creative Design tailored to the individual client.

Recent Projects

David and Erika Billion Guest House, Yankton, SD;
Lam Vietnam Restaurant, Sioux Falls, SD

Firm Profiles

WIDSETH SMITH NOLTING



3800 W Technology Cir, Ste 202
Sioux Falls, SD 57106
605.335.1011
Fax 605.335.5874
lanny.auringer@wsn.us.com
www.wsn.us.com
Established: 1975 in Crookston
2004 in Sioux Falls (Innovative Design)

Additional Locations

Alexandria, MN
Bemidji, MN
Brainerd/Baxter, MN
Crookston, MN
Red Wing, MN
Rochester, MN
Grand Forks, ND

Principals

Lanny J. Auringer, AIA - Vice President

Firm Personnel By Discipline

| | |
|--------------------|---|
| Licensed Architect | 2 |
| Licensed Engineer | 1 |

Firm Description/Philosophy

Who we are...We are a group of professional engineers, architects, land surveyors, environmental scientists, technical designers, and administrative staff providing professional consulting services in the A/E industry.

What we do...We provide consulting services to public and private clients in their communities and throughout the states surrounding our offices. We do so by listening to and understanding our client's needs, being proactive, and providing exceptional professional services. We integrate our multiple disciplines and utilize talented and dedicated employees to provide quality services by striving to create long-term partnerships with our clients.

Why we do it . . . Our goal is to be successful by contributing to the success of our clients and building partnerships with them, one at a time. We strive to be recognized as good stewards of public and private facilities, infrastructure, and resources; to preserve and enhance the quality of life in our region; and to make our communities safer and better places to live, play and work.

Recent Projects

Prairie Rehabilitation, Worthington, MN;
Eye Site by Howlin Vision, Sioux Falls, SD;
Emporium on 41st, Sioux Falls, SD;
JDS Industries World Headquarters, Sioux Falls, SD;
Historic Loop Center Redevelopment, Sioux Falls, SD;
Fellowship of Christian Athletes, Sioux Falls, SD

THE WINKELS GROUP INC.



4601 S Louise Avenue
Sioux Falls, SD 57106
605.361.2537
Fax 605.362.7210
winkelsgroup@midconetwork.com
www.thewinkelsgroup.com
Established: 1981

Principals

Robert J. Winkels Jr. - President

Firm Personnel By Discipline

| | |
|---------------------|---|
| Licensed Architect | 1 |
| Other Architectural | 3 |
| Administrative | 2 |

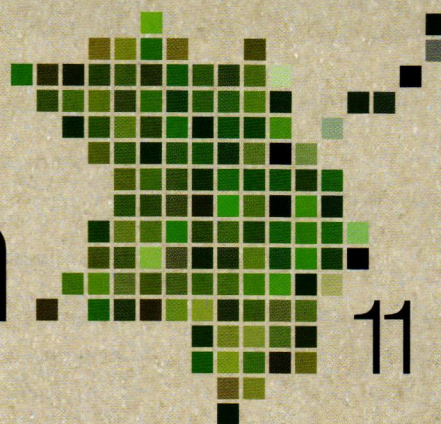
Firm Description/Philosophy

On approximately half of our projects, TWG offers conventional architectural services. On the other half, we provide project management, owner representation, criteria development for Design Build, and real estate development services.

Recent Projects

Architecture:
O'Gorman High School, Sioux Falls, SD;
C.J. Callaway's, Sioux Falls, SD;
Carnegie Town Hall, Sioux Falls, SD;
Broom Tree Retreat Center, Irene, SD;
Al's Oasis, Oacoma, SD
Project Management and Owner Representation:
Augustana Football Stadium, Sioux Falls, SD;
Washington Pavilion, Sioux Falls, SD;
Lincoln County Courthouse, Canton, SD;
Minnehaha County Jail, Sioux Falls, SD;

plain green



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SOUTH DAKOTA STATE UNIVERSITY
OFFICE OF THE PRESIDENT & SDSU ENVIRONMENTAL
STEWARDSHIP & SUSTAINABILITY COMMITTEE



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