

SYNCHRONICITY

DESIGN

HIGHER EDUCATION

Where The Built Environment Allows
Students' Creative Minds To Grow And Learn
In A Unique, Immersive Experience.



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DESIGN



OVERVIEW

At Strang, the pathway to successful educational projects begins with our integrated, in-house protocol. Why? The fact remains, there are plenty of moving project parts even in modest-scaled renovations which too often spin-off with little regard for project consequences. When our architects, engineers and interior designers collaborate, the results can be spectacular. We implement intelligent designs that address students and faculty, budgets and schedules.

With collaboration, everyone on the team is collectively dialed-into your project, evaluating – in real-time – how each decision impacts your project. For example, we keep everything in sync by understanding how decisions on fabric and light fixtures impact the built environment. Client feedback routinely ranks our vertical integration model as “highly valued” for delivering optimal project outcomes. Our long-term clients tell us vertical integration is a significant reason why they return to Strang.

*Our Proactive
Collaboration
Begins With Clients
And Fully Engages
Our Contractor(s)
And Trades Team.*

Strang strives for an instinctive respect for client collaboration
Together, we forge an authentic coalition as our informed business model. Our clients have well-thought viewpoints and project perspectives which help shape integrated thinking across the entire Strang team. When melded with our insights, resourcefulness and expertise, together we create action towards optimal outcomes.

Since 1935, Strang has provided design and planning services for colleges and universities throughout the Midwest and North America. We take pride in creating spaces that foster interactions between students and faculty. At Strang we provide refined, customized solutions that cater to the mission, values and culture of our clients.



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We are privileged to design facilities that foster growth of the next generation. From architecture to zoology, students use Strang designed facilities daily to help reach their goals and learning desires. Much like our designs, our designers celebrate imagination, nurture creativity, empower education and facilitate growth in the built environment.

Budgets, Schedules And Data Must Coexist With Creativity, Resourcefulness And Ingenuity.

— → “ “ *I've been nothing but pleased with Strang's attention to detail on this complicated building. Each of their staff disciplines are proven professionals with a real commitment to integrated service.*”

Susan C. Cook, Director
Pamela O. Hamel Music Board of Advisors



THE RIGHT COHORT FOR YOUR GROWTH

Aptitude, Attitude And Approach – You can't select two, you need all three. The reason is, skill without perseverance is wasted talent. You can't do without "Can Do." And a viewpoint without a plan is simply bravado.

Design Synchronicity is a mindset as much as a project management protocol. It's equal parts tenacity, confidence, servant leadership, and a genuine drive to excel together, well beyond expectations.

Integrated thinking, different perspectives and perseverance help students learn; and the design and implementation of your facilities will be designed in the same manner. Our designs are built environments that inspire learning. With our clients, we are a consortium of skill sets, powerful on their own, unassailable as one. Join us.

DANIELS CHEMISTRY BUILDING

UNIVERSITY OF WISCONSIN - MADISON



Strang, in association with Ballinger

This Project Features Renovated General Chemistry Labs, New And Renovated Organic And Analytical Chemistry Labs, And Designs That Will Transform The Chemistry Library Into An Information Commons Area.

DESIGN SYNCHRONICITY



An eight-story 1,880-SF addition and 45,000-SF renovation to the Chemistry Building is a huge undertaking that brings this a vital education facility up to date. This \$100 million project serves approximately 7,000 undergraduates each semester at this world-class research institution. New and remodeled space will house lecture halls, active learning classrooms, offices and instructional labs.



Strang, in association with Ballinger



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HAMEL MUSIC CENTER

UNIVERSITY OF WISCONSIN - MADISON



→ The 63,300-SF Hamel Music Center on the UW-Madison campus, is designed to anchor the East Campus Arts Gateway and be a showcase for the Mead-Witter School of Music. The venue, by Strang in conjunction with Holzman Moss Bottino, will host more than 350 events annually, from symphony and chamber orchestras to soloists and choral performers. The glass-walled lobby gives the building a transparency intended to mimic the educational and social connections between working musicians and the public.





HARVEY HALL THEATRE

UNIVERSITY OF WISCONSIN - STOUT

Constructed in 1916, Harvey Hall is listed on the National Register of Historic Places. The four-story building houses a 10,500-SF theatre. The Strang team restored and upgraded the theater spaces. Support spaces include the entry, box office, control booth, dressing room and scene shop. The project involves stage improvements, lighting replacement and aesthetic updates. Additional upgrades include HVAC, acoustics, accessibility and life safety.



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DELTA UPSILON HISTORIC RENOVATION

UNIVERSITY OF WISCONSIN – MADISON

Strang collaborated with the Delta Upsilon House Corporation to re-store and update their 1906 French Colonial chapter house.

The restoration included entire window and door replacement, rebuilt main entry stoop, expansion under the second-story porch and complete interior renovation. The window and door replacement strategy focused on a historically contextual system that also provided enhanced thermal performance.

*This Project Won A
Historic Rehabilitation
Award For Its
Full Authentic
Restoration.*



LAURENTIDE HALL

UNIVERSITY OF WISCONSIN - WHITEWATER



In upgrading, renovating and adding onto Laurentide Hall, Strang's work was as much about the students as the building itself. Renovated classrooms, programmatic improvements, and mechanical upgrades were all aimed at bringing a 21st-century learning environment to an outdated and seldom-used building. After the completion of the initial project, Strang designed and executed an addition that would become the Mary Poppe Chrisman Success Center.



INGENUITY CENTER

MADISON AREA TECHNICAL COLLEGE

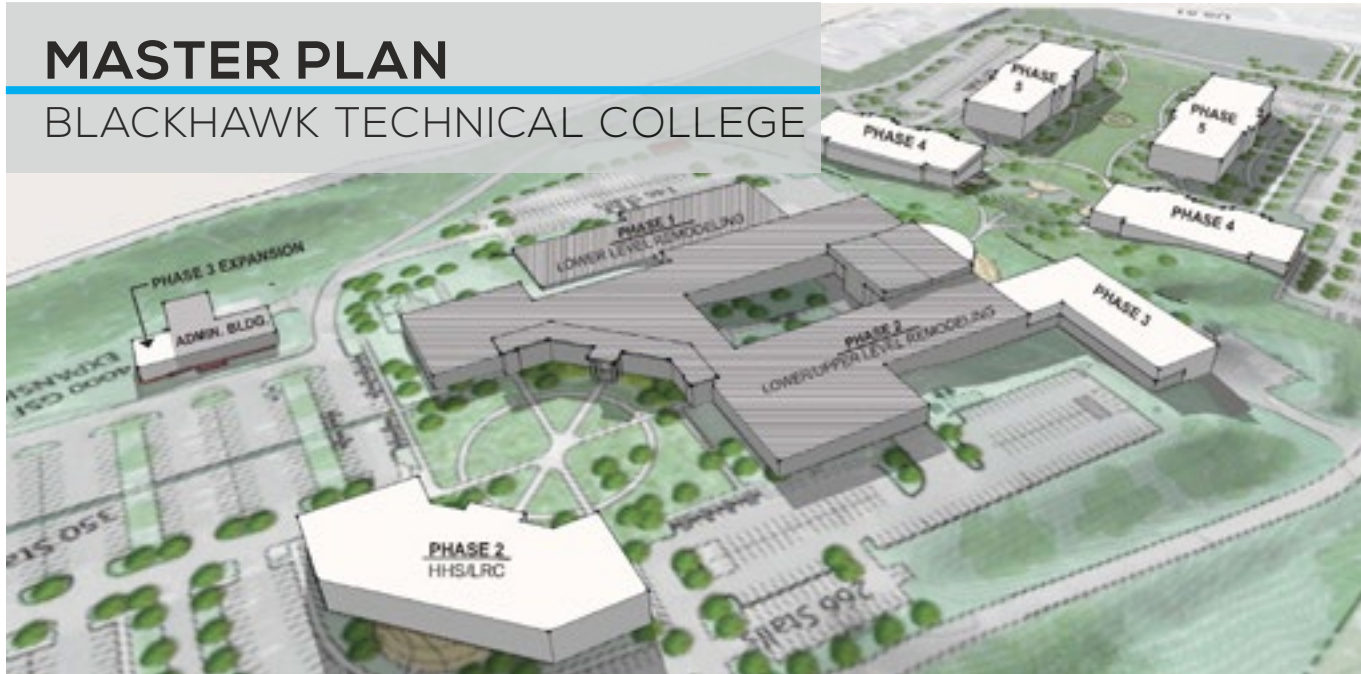


Strang worked closely with College officials to create a modern facility for teaching in the field of Advanced Manufacturing. As the public walks down the halls of the addition, glass walls allow them to view the hands-on CNC training center. The project includes classrooms, faculty spaces and high bay workspace for manufacturing labs with prototype and material testing machines.

This addition ties into Madison College's Gateway building and includes space for the college's manufacturing and transportation programs.

MASTER PLAN

BLACKHAWK TECHNICAL COLLEGE



This long-range facilities master plan encompasses Blackhawk's central campus, transportation studies center, Beloit center and Monroe campus. This work included an existing building condition report for each location, facility maintenance planning, programming of needs, and campus master planning to define a 10+ year development plan. The purpose of the plan was to help effectively guide in updating, maintaining and proactively planning for the infrastructure needed to support the college's mission, vision and strategic goals. Upon completion the client has proceeded to renovate projects identified within their master plan.

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PROJECT DEVELOPMENT

LISTEN | DISCOVER | DESIGN

Our team collaborates to identify client input, explore opportunities and address challenges, and only then, considers design direction. Strang's project development is highly collaborative and inclusive. Stakeholder participation is conducted in open communication and we implement a proven interdisciplinary system. Decisions are viewed in a holistic manner and we develop trusted solutions reflecting your goals and budgets. Strang's proprietary protocol, Listen | Discover | Design ensures stakeholders actively participate in project conceptualization.



*Within Strang
Exists An Instinctive
Respect For Client
Collaboration.*

Our role extends well beyond traditional planning, programming and designing. We become proactive catalysts for your growth, stewards of your business and champions of your brand. Our educational facilities are as diverse as their locations and each has a unique purpose.



LISTEN

Great design engages all your senses. At Strang, the sound of your voice is important as we listen for intensions to understand the thinking behind your words. Together, we will develop a concept matching your organization's unique objectives.

Disciplined, Dedicated, Challenging And Enriching Are All Aspects Of The Educational Process. The Design Of Your Facilities Will Include Such Excellence.



DISCOVER

When our designers work together to collect, review and analyze your input, we discover the many unique opportunities inherent in your project. This evaluative step challenges thinking and allows "Next Practices" to surface.



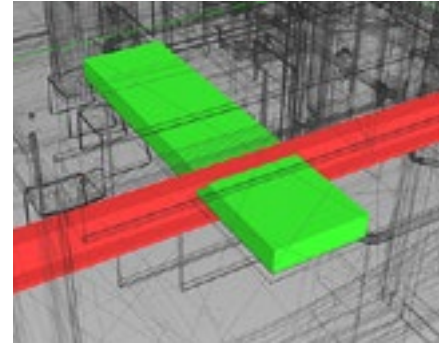
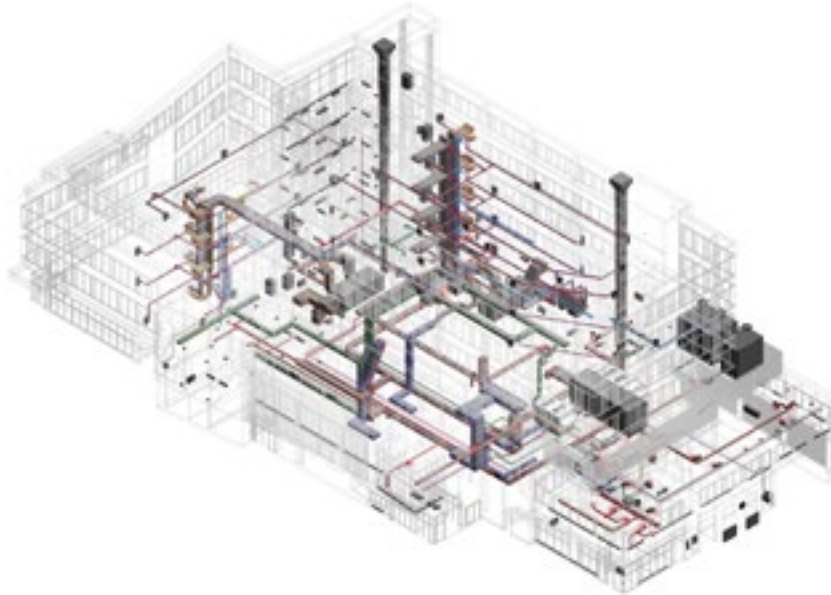
DESIGN

In our design phase, we communicate the ideas and insights that clients, architects, engineers and designers are all able to contribute to a unified plan of action. As we steward your vision and culture, you are engaged as co-creators, resulting in a design that perfectly fits your budget, schedule and mission.

ADVANCED COORDINATION

Strang has mastered the art and science of Building Information Modeling (BIM) integration. As our primary design tool, we perform BIM modeling at the start of every project. As your model takes form,

it is used as a visualization tool, allowing the team to view inside any room to get a sense for proportions, scale, and the visual impact of design options creating a synchronized client experience.



In later design phases, the model is used as a coordination tool between disciplines. We use Navisworks software to run “Clash Detection” tests. These conflicts are resolved in BIM prior to construction avoiding costly change orders and schedule delays.

DESIGN VISUALIZATION



Virtual reality is more than a cool new way to see architectural renderings in 3-D. At Strang, we don't use technology for technology's sake, but rather as another means to bring our client's perspective into the design process. By directing their own

view from room to room, clients use the VR headsets to find out if the space "feels" right. This helps assure designers and clients are on the same page so adjustments can be made earlier and more accurately. It saves time, money and ensures a successful project.

In The End, VR Saves Time, Money And Ensures Success.

VR facilitates a coordinated design solution. Our designers use the tool to confirm the building design components "fit" together for a cohesive design solution.





INTEGRATED DESIGN SERVICE

At Strang, we have a simple credo: architecture must inspire and enable the human spirit; it places you in a built environment that is both a pleasure to view and occupy. Also, our designs account for respectful use of financial, natural, and human resources.

From resource centers to lecture halls, we consider the needs of all occupants. We use the tools at our disposal to make the perfect classroom based on client's needs. It's about how we effect students, teachers and staff. These three disciplines work in concert with one another – and with you – in defining a unified approach. All items combine to deliver a space which came from your heart, our hands and our collective thoughts.

→ **Strang architects are** adept at designing built environments that celebrate growth. We build upon your vision with a forward-thinking mentality anticipating tomorrow's needs.

Our interior design team aligns your productivity, culture and creative energy within beautifully functional space empowering building occupants to do their best, most creative work.

Our diverse team of engineers develop comprehensive analysis and innovative solutions that best serve your energy needs. We give you choices, letting you decide on the value of the return-on-investments.



ARCHITECTURE

- » Master Planning
- » Site Evaluation/Selection
- » Architectural Design
- » Feasibility Study
- » Construction Administration
- » Existing Building Evaluation
- » Cost Estimating
- » Value Analysis
- » LEED Consulting
- » WELL Building Consulting
- » Virtual Reality (VR) Design
- » Branding


ENGINEERING

- » HVAC System Design
- » Plumbing Design
- » Electrical System Design
- » Lighting Design
- » Commissioning
- » Integrated Control Systems
- » Energy Performance Modeling
- » Safety and Fire Protection
- » Maintenance Programs
- » Site, Civil Engineering
- » Mechanical Systems Analysis
- » Cost Estimating
- » Start-Up Assistance
- » Long-Range Programming
- » Voice, Data, Security, AV Design
- » Structural Engineering

INTERIOR DESIGN

- » Furniture Selection/Procurement
- » Colors, Finishes Selection
- » Interior Architecture Detailing
- » Building, ADA Code Compliance
- » Selection of Art and Accessories
- » Renovation Planning, Budgeting
- » Development and Programming
- » Ergonomic Assessments
- » Branding

Our Designs Celebrate Imagination And Nurture Creativity In Support Of Your Vision And Built Environment.



That is why we strive to provide an exceptional client experience through mutual respect, resource preservation and inspired design.

After all, every project we touch is forever a part of our shared legacy.



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