

March 4, 2013

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Ms. Sharon Blattner-Held
State of Wisconsin - Department of Administration
Division of State Facilities
Architecture and Engineering
101 East Wilson Street, 7th Floor
Madison, WI 53707-7866

RE: Architectural, Engineering and Planning Services – UW-Milwaukee Southwest Quadrant Redevelopment Plan

Dear Ms. Blattner-Held and Selection Committee,

We are delighted to submit this letter and qualifications statement as an indication of Zimmerman Architectural Studios' desire to provide architectural and engineering planning services for the UW-Milwaukee Southwest Quadrant Redevelopment Plan (DFD Project No. 12L2Y).

We have assembled a deep, collaborative team that will challenge and develop a plan that will continue UW-Milwaukee's drive forward.

- A Wisconsin focused, nationally recognized, team of experts with proven higher education, science, technology and research campus planning and design experience.
- National academic science program pedagogy and collaborative learning expertise of Zimmerman's Elizabeth Ericson, FAIA, a Project Kaleidoscope (PKAL) mentor. Zibby brings more than 20 years of higher education science facility planning and design.
- The International firm of Jacobs Consultancy Inc. Experienced with many of the world's foremost academic research institutions, Jacobs brings a unique experience and knowledge of current pedagogical trends and peer institutions.

Thomas Witte, AIA will lead our team. As leader of Zimmerman's Science + Technology studio, Tom brings more than a decade of management of some of Zimmerman's largest and complex projects and 30 years of experience in institutional project phasing and implementation. He excels at integrating collaborative design teams with multi-faceted client structures by challenging all with comprehensive approaches to the opportunities presented.

As always, we remain committed to providing the highest level of service to the State of Wisconsin and the University of Wisconsin System. We greatly appreciate the opportunity to assist in this planning effort. Thank you very much for your time and consideration of the Zimmerman Architectural Studios, Inc. Please contact me at 414.918.1421 with questions.

Respectfully Submitted,

Zimmerman Architectural Studios, Inc.



David L. Stroik, AIA
President / CEO

RESPONSE TO REQUEST FOR QUALIFICATIONS
ARCHITECTURAL & ENGINEERING PLANNING SERVICES

UNIVERSITY OF WISCONSIN - MILWAUKEE

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Firm Introduction / Overview

Firm Name: Zimmerman Architectural Studios, Inc. (Architect of Record)

Address: 2122 West Mt. Vernon Avenue
Milwaukee, WI 53233

Telephone: 414-476-9500
FAX: 414-476-8582

Contact / Project Manager: Tom Witte, AIA
Vice President, Principal
414-225-0808 (Direct Line)
tom.witte@zastudios.com

Established: 1906

Type of Organization: Closely held corporation
Incorporation is in the State of Wisconsin

Staff Breakdown

Zimmerman is a full service Architectural and Engineering design firm. As you can see from below, our staff includes not only architects, but interior designers, graphic artists, landscape architects, civil, structural, HVAC, plumbing, fire protection, electrical and data/telecommunication engineers.

• Registered Architects	25
• Cost Estimators	1
• CAD Technicians	33
• Specification Writers	1
• Interior Designers	5
• Lighting Designer	2
• Landscape Architects	2
• Structural Engineers	5
• Electrical Engineers	3
• Mechanical Engineers	5
• Plumbing / Fire Protection Engineers	2
• Civil Engineer	1
• Field Administration	1
• Administrative	14
Total:	100



HISTORY

Zimmerman Architectural Studios is one of the oldest and most successful architectural firms in Wisconsin. Founded in 1906 by Peter Brust, the firm's early portfolio included churches, schools, convents, sanitariums, offices, stores and residences, with the M&I Bank, Schusters Stores, the Kohler Company complex and Governor Kohler's home being the firm's most prominent projects. In 1973 the firm incorporated, and by 1981 the firm had doubled in size. In the following decades, the firm's notable education, governmental, health care, institutional, recreational and residential portfolio expanded to include a variety of commercial office, industrial, retail and mixed-use projects within the private sector.

In addition, the firm's comprehensive services grew to include complete engineering, interior design, space planning, land planning and landscape design. The firm ranks among the top four architectural firms in Milwaukee, according to The Business Journal, in each of the last ten years.



Kohler Company – Immigrant House

As Zimmerman begins a second century, sustainable design, energy conservation, an increasing demand for greater cost control, new component technology and construction methodology are key challenges facing the architectural profession. Zimmerman continually strives to meet these needs while developing highly creative and functional design solutions.

AREAS OF SPECIALTY

Zimmerman is organized into studios of specialists who are proficient in a specific project types sharing resources of accounting, business development, human resources, etc. Markets Served:

- **Educational:** Science & Technology, College & University, K-12 Schools, Training Centers, Daycare & Early Learning
- **Public Buildings:** Libraries, Police Stations, Fire Stations, Municipal garages
- **Commercial:** Offices, Financial Institutions (including retail banks, branch banks, data centers and bank corporate headquarters), Retail Centers
- **Healthcare:** Hospital, MOB, Clinic, Specialty Practice, Laboratory
- **Recreational:** Fitness Centers and YMCA, Public Attraction
- **Hospitality:** Restaurants and Clubs
- **Residential:** Multi-Family, Mixed-Use, Student Residence
- **Religious:** Church and Fellowship



Viterbo University Campus Master Plan

DESIGN PHILOSOPHY

Enhance the human environment with inspired, creative and rational design, which respects the past while revealing the potential of the future.

IN-HOUSE SERVICES

Zimmerman's staff of 100 is comprised of individuals representing multiple building design disciplines including:

- | | |
|-------------------------------------|------------------------------|
| - Architectural Planning and Design | - Structural Engineering |
| - Electrical Engineering | - Mechanical Engineering |
| - Plumbing Engineering | - Landscape Architecture |
| - Interior Design | - Space Planning |
| - Cost Estimation | - Specifications Development |
| - Quality Control | - Graphic Design |
| - Sustainable Design | - Civil Engineering |

Zimmerman Architectural Studios Pertinent Experience:



SITE PLAN



UW-Madison-School of Nursing Planning Study

Madison, Wisconsin

While delivering early design services for the WIMR project, the Zimmerman team was further engaged to provide a preliminary master plan, program and concept design study for the proposed UW-School of Nursing. Zimmerman's program, space plan and concept plans documents were utilized for much of the School of Nursing's successful fundraising campaign. Zimmerman was tasked with developing a conceptual plan that would provide adequate spaces to promote the growth of UW's Nursing School program well into the 21st Century, addressing the spatial limitations created within the existing Clinical Sciences Center. A state of the art nursing facility was envisioned, providing all programmatic elements and spaces necessary to enhance UW's prominent nursing program. Additionally, the proposed design solution was carefully developed to fit harmoniously within the master plan concept of UW's Western Campus as part of an academic village and maximize the development potential of the available site.

Size: 154,308 s.f.

Completed: Final Report – April 2004

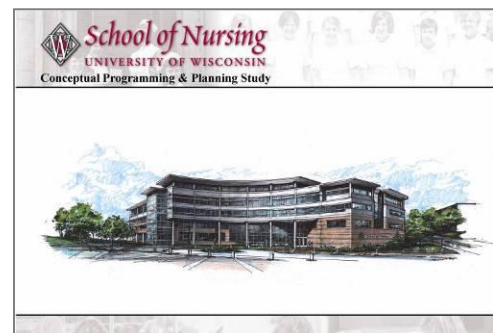
Estimated Project Budget: \$35 million

Contact: **Katharyn A. May, PhD, RN, FAAN**

Dean and Professor
 UW-School of Nursing

(608) 263-9725

kamay@wisc.edu



Zimmerman Architectural Studios Experience: (continued)


Viterbo University Campus Master Plan

La Crosse, Wisconsin

Viterbo University, a Catholic, Franciscan ecumenical University that focuses on delivering liberal arts education, engaged Zimmerman Architectural Studios in 2008 to provide a campus master plan to serve as a guide to the future development of its campus and physical facilities. Objectives of the master plan include:

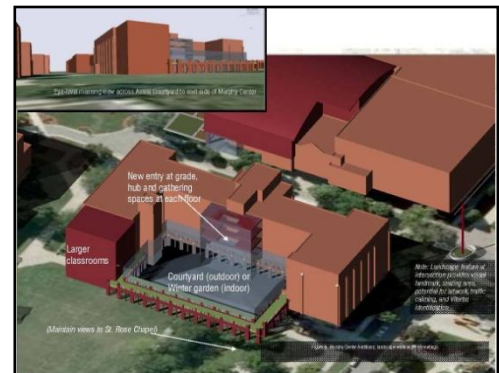
- Plan for Renovation and New Construction
- Integrated Residential Neighborhood Analysis and Plan
- Pedestrian Traffic Circulation and Parking Analysis
- Plan for athletic facilities development
- Plan to integrate, improve and complement the University's borders

Size: 21 acre campus master plan

Completed: Final Report – June 2009

Estimated Project Budget: N/A

Contact: **Dr. Richard B. Artman**
 President
 Viterbo University
 (608) 796 – 3001
president@viterbo.edu

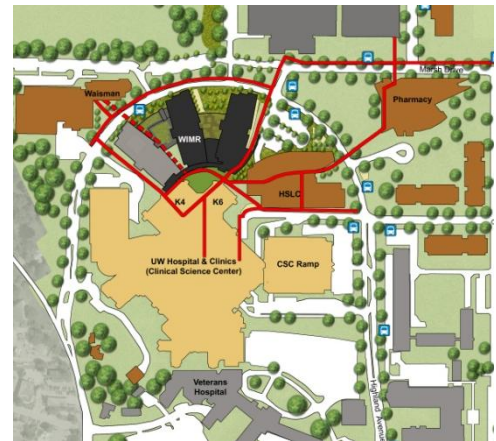


Zimmerman Architectural Studios Experience: (continued)


UW-Madison- Wisconsin Institutes for Medical Research
 Madison, Wisconsin

The Wisconsin Institutes for Medical Research (WIMR) is the third and final component of the University of Wisconsin Madison's HealthStar construction program. The heart of this new research complex will bring together unique state of the art human and technological elements of medicine including UW's leading cancer research, imaging and diagnostic resources in a facility which will be directly adjacent to outstanding inpatient and outpatient health care services, thereby, allowing future occupants to pursue translational and interdisciplinary research for the University of Wisconsin Medical School.

The Phase I core program includes modern translational medicine laboratories required for a comprehensive cancer center, and includes an imaging center, a vivarium, and building support space. Future Phases of WIMR will contain additional generic laboratories, vivarium and building support. The total WIMR project will contain 1.2 million GSF.



Project is being completed (Phase I already complete) with substantial lab program and planning input from Jacobs Consultancy, Inc.

Size:	Phase I: 437,600 GSF	Phase II: 267,000 GSF
Completed:	Phase I – October 2009	Phase II – under construction
Budget:	Phase I \$157.6 million	Phase II \$112 million
Contact:	Mr. Mark Wells, AIA Assistant Dean for Facilities University of Wisconsin Madison - Wisconsin Institute of Medical Research (608) 262-7437 mcwells@wisc.edu	

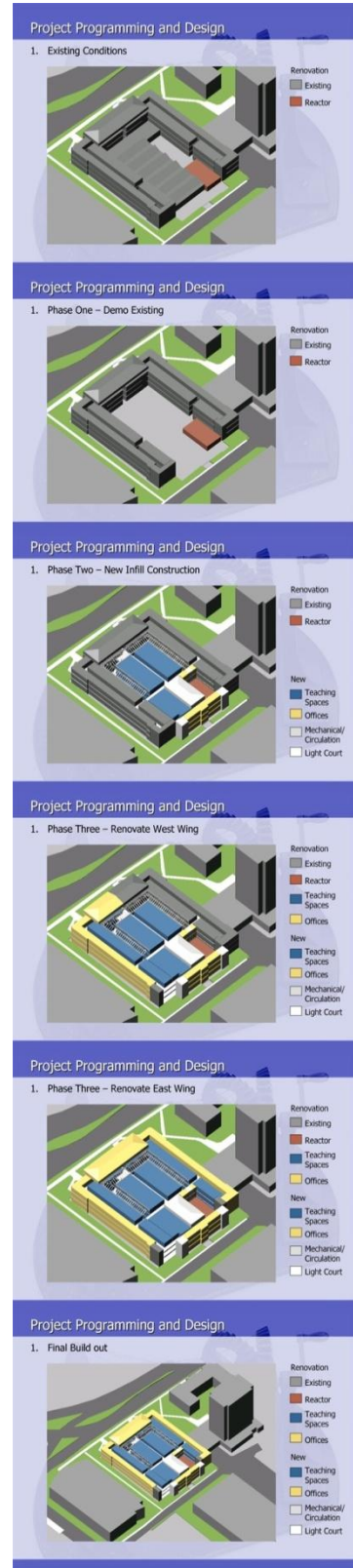
Zimmerman Architectural Studios Experience: (continued)



UW-Madison Mechanical Engineering Expansion / Renovation Madison, Wisconsin

The project provided plans and designs to demolish an antiquated single story machine shop, which facilitated a new infill six-level structure housing technologically advanced and flexible teaching and research laboratories, lecture halls and academic teaching spaces, while completely renovating an existing 1940's era U shaped academic building for additional labs and offices. The addition respects the strong exterior architectural character of existing building's exterior, but provides a much more flexible structural and technological infrastructure inside. The handsome new structure creates a new "front" entrance to transform a "back alley" into a positive campus open space linking several engineering buildings. The project incorporates a modular approach with a robust technology and utility backbone to accommodate changing needs into the future. It also encourages interaction among the wide range of disciplines that fall under the rubric of "Mechanical Engineering", from materials engineering and nano-technology, to more traditional mechanical engineering, to business-school-like industrial engineering programs.

Size: 295,100 s.f.
Completed: August 2007
Budget: \$41.4 million
Contact: **Dean Paul Percy**
 College of Engineering
 University of Wisconsin – Madison
 (608) 262-3482
peercy@engr.wisc.edu



Zimmerman Architectural Studios Experience: (continued)

Concordia University School of Pharmacy Programming and Concept Design

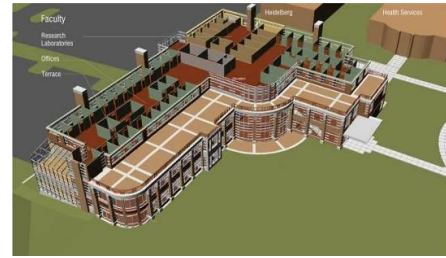
Mequon, Wisconsin

Concordia University - Wisconsin is establishing a new School of Pharmacy, which will be just the second in the state of Wisconsin. The 80,000 gsf facility will provide the lecture halls, classrooms, faculty offices, and specialized laboratories needed for the pharmacy program and faculty research. It will also provide in the first phase additional biology and chemistry laboratories to support the level of undergraduate science education needed for the pre-pharmacy program. Zimmerman provided project planning, programming and preliminary design.

Size: 60,000 s.f.

Completed: Programming – 2008 | Construction Complete 2011

Estimated Project Budget: \$12 million (estimate)



University of Wisconsin-Madison

School of Veterinary Medicine - Programming, Space Planning, Site Planning and Conceptual Design

Madison, Wisconsin

Zimmerman was originally engaged to lead a planning process for a diagnostic laboratory addition to the existing UW-School of Veterinary Medicine in Madison. A close collaboration between Zimmerman's planning staff, UW facilities planning and State of Wisconsin Division of State Facilities personnel revealed that while the diagnostic labs project was important to the continued success of the program, that the college had an additional, more pressing need for a state-of-the-art small animal teaching hospital. One of the major goals of the project is to produce a center that will accommodate and facilitate through 20 – 30 years of growth. Space vacated by the occupants of the new hospital will be "back-filled" by the diagnostic laboratory users. Among the spaces planned for the new small animal hospital are: a primary care clinic, emergency clinic, clinical research center, special species clinic, computerized clinical classrooms, integrated imaging facility and dentistry suite. A site adjacent to the current School of Veterinary Medicine will be utilized for the construction process and a skywalk connector is proposed to physically link the existing and new buildings. Zimmerman's designers and marketing staff collaborated with the Veterinary Medicine School to develop the program into a fundraising brochure which was mailed to the College's alumni. Zimmerman was additionally engaged to provide design schemes for a new, replacement School of Veterinary Medicine.

Size: 70,000 s.f.

Completed: Study / Programming Complete – 1999

Estimated Project Budget: \$13 million (estimate)



Marian University Multi-Campus Master Plan

Fond du Lac, Wisconsin

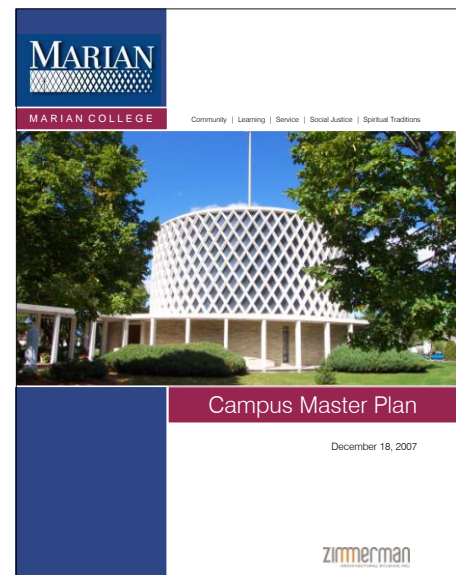
Zimmerman completed a master plan for Marian University in October 2007. The plan analyzes all of the campus' existing buildings on the main campus as well as the satellite campuses in West Allis and Appleton. A component of the master planning effort involved physical evaluation of each of the Marian's existing buildings. The master plan also sought to:

- Describe the context of the Fond du Lac Campus
- Explain the plans connection to the College's strategic plan
- Summarize evaluations of existing facilities- including Marian's Appleton, West Allis, and Kuber Centers and makes recommendations for each.
- Provides summarization of room utilization studies
- Identifies and describes Marian's priority projects
- Proposes and explains a series of design principles and concepts that guide the master plan

Size: multi-campus master plan

Completed: February 2008

Estimated Project Budget: N/A



Zimmerman Architectural Studios Experience: (continued)

Southwest Wisconsin Technical College Health Sciences Learning Center

Fennimore, Wisconsin

The new three story 68,000 square foot building is built into the hill just west of building 200. The positioning of the building allows for on grade entrances at both the first floor and the second floor. The building, while matching the character of the campus, will create a new presence along highway 18, identifying Southwest Tech to the community.

Program Elements Include:

- Medical and Dental Clinic - open to the public
- State-of-the Art Human Patient Simulation Labs
- 200 person tiered lecture hall
- Nursing and Midwifery labs
- Media Technology lab

Size: 68,000 s.f.

Completed: 2010

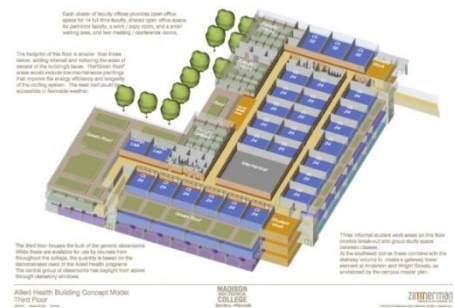


Project Budget: \$8.6 million

Madison College – Health Sciences Learning Center

Madison, Wisconsin

The proposed Allied Health Building will consolidate the various programs of the Center for Health and Safety Education (CHASE) in a new building on the Truax campus. This facility provides appropriately sized and designed spaces for needed growth of programs and facilitates interactions, cooperation and sharing of spaces among related programs. In addition to classrooms, labs and faculty offices, the building provides simulated working environments and actual practice settings for training in health occupations. It will also provide space in which students can work, study, learn and interact—or relax—during unscheduled times of their often lengthy days.



The building is designed to allow a closer integration of didactic and practical (hands-on) instruction and to provide realistic environments in which to master the knowledge and skills needed for these disciplines. All classrooms are sized to enable an active learning model of instruction, rather than strictly passive / didactic lecture mode. Also, many of the program-specific learning environments allow a flexible alternation between lecture, demonstration and practice. The clinical simulation center, or “virtual hospital”, with its high-tech “sim” people and rooms based on actual hospital spaces, will provide a realistic and efficient environment for developing and refining clinical skills. Finally, the dental, medical and therapeutic massage clinics will allow practice with actual patients / clients.

The design also seeks to allow shared uses and flexibility over time to the extent possible. While many spaces are of necessity highly specialized, others can be used for multiple related purposes, and are designed with that in mind.

Program Elements Include:

- Various clinic spaces: dental, medical, therapeutic massage
- Clinical Simulation Center (or “Virtual Hospital”)
- Facilities for radiographic and surgical instruction
- Instructional spaces for: Optometric, occupational and physical therapy assistant and therapeutic massage, nursing related programs
- Clinical laboratories
- Medical assisting
- Respiratory therapy
- Polysomnography
- Classrooms and staff and faculty offices

Size: 170,000 s.f.

Completed: Programming – 2010 | Groundbreaking scheduled for Sept 7, 2011 – Occupancy anticipated summer 2013

Estimated Project Budget: \$34 million

Zimmerman Architectural Studios Experience: (continued)

Mount Mary College Gerhardinger Science Center

Milwaukee, Wisconsin

Zimmerman was hired to program and design a combination science center and student commons for this independent college. The building's facade extends the existing campus architecture, while the interior, is contemporary and dynamic with bold use of geometry, color and finishes. The building's flexible teaching laboratories accommodate a wide range of science instruction.

Size: 32,000 s.f. | **Completed:** August 2004

Construction Budget: \$5.7 million



UW-Madison School of Business Expansion

Madison, Wisconsin

In an effort to capture a more prominent standing in graduate level business studies, the University of Wisconsin is engaged Zimmerman to provide a master plan which ultimately led to this 167,000 s.f. expansion of its premier business school. The expansion features a new major entry into the building and a variety of university level education spaces, including tiered lecture halls, small and large classroom environments, break-out areas, academic and student offices and independent study spaces. The expansion was complete in time for the August 2008 academic semester and was recognized by DSF with the "Excellence in Architecture" award in 2009

Size: Base building – 250,000 s.f. | Expansion – 167,000 s.f.

Completed: Phase I (base building) August 1993 / Phase II Addition: August 2008

Construction Budget: Phase I (base building) \$29,962,000 / Phase II Addition: \$31,500,000 million



BloodCenter of Wisconsin Diagnostic Labs Renovation / Expansion

Milwaukee, Wisconsin

Zimmerman served as architect of record for this 46,000 square-foot diagnostic reference laboratory renovation and provided full interior design services. The open lab configuration enhance flexibility to change and streamline their work processes, a critical success factor in their business of developing and performing esoteric diagnostic testing. The project involved working with each of the lab managers to define and improve work processes, locate key equipment and size the future operations. Space was estimated and resized interactively in order to ensure that the growth would fit into the existing space as the client wanted. Specific lab types include a BSL-3 lab for infectious disease diagnostic research, applied research, sequencing; a pre-PCR lab, hemostasis, histocompatibility, molecular diagnostics, product development, immunohematology reference lab, platelet, and neutrophil immunology, and a large sample receiving lab.

Size: 46,000 s.f. | **Completed:** February 2007 | **Construction Budget:** \$8 million



University of Wisconsin National Primate Research Center

Madison, Wisconsin

This three-story expansion of its Building No. 2 allows the Wisconsin Regional Primate Research Center to participate in the recent dramatic increase of primate research programs and external funding. The primary function is primate housing, including an aging research group and a virology research group. The addition also provides new necropsy and pathology facilities, a surgical suite, clinical pathology and histology laboratories, and cage washing and food preparation facilities. Shelled space allows for future expansion of the virology and other programs, relocation of the Marmoset population and expansion of the laboratory space. The Center anticipates that grants will fund future outfitting of the shelled space. In 2009, Zimmerman was re-engaged to provide additional planning and design services meeting NIH standards in support of US Federal Government stimulus funding.

Size: 56,500 s.f. | **Completed:** August 2001

Construction Budget: \$12.95 million



Jacobs Consultancy, Inc. (Overview and Experience):

Jacobs Consultancy Inc. (formerly known as GPR Planners Collaborative, Inc.), is a nationally recognized consulting firm specializing in the programming, planning, and design of research and instructional laboratories. Jacobs Consultancy, the Laboratory Planning Practice of Jacobs Engineering Group Inc, has continued to grow steadily since 1978 from its offices in New York, California and New Jersey, with 32 professionals who possess diverse backgrounds in architecture, planning, and science. Jacobs Consultancy has planned and designed more than 250 science based academic facilities, ranging from single buildings to full STEM campus planning and totaling over 50,000,000 square feet, for academic, corporate and governmental clientele. Their philosophy is to approach each project with the brightest thinking from a multitude of diverse perspectives.

JCI has experience working on several projects within the University of Wisconsin System including:

University of Wisconsin - Wisconsin Institutes of Medical Research (WIMR) Phase 1, Madison, WI

University of Wisconsin - Biotechnology Building Addition, Madison, WI

University of Wisconsin - Engineering Centers Building, Madison, WI

University of Wisconsin - Genetics Building Renovation, Madison, WI

University of Wisconsin - Wisconsin Institutes for Discovery, Madison, WI

University of Wisconsin - Rennebohm Hall School of Pharmacy Building, Madison, WI

JCI has demonstrated master planning and programming expertise and master planning experience with institutions. Their process includes comprehensive review of space utilization and assessment of future needs throughout the facilities – review and realignment of space use and assignments – development of master space use plan for phased renovation and/or additions to existing buildings. JCI understands future trends in academic teaching and research facilities strategy, planning and program development.

JCI is particularly well suited for this commission because of their extensive experience in research resources master planning and programming for academic health, engineering and science programs such as:

- Baylor College of Medicine – Research Facilities Master Plan, Houston, TX
- Columbia University – New Manhattanville Campus Master Plan, New York, NY
- Dartmouth College – Research Resources Master Plan Assessment, Hanover, NH
- Duke University Medical Center – Research Campus Master Plan, Raleigh, NC
- Emory University – Robert E. Woodruff Health Science Center Research Resources Master Plan & Children's Center Master Plan, Atlanta, GA
- Harvard University – Allston Campus Master Plan, Boston, MA
- The Johns Hopkins School of Medicine – Research Facilities Master Plan & Ross Research Building Master Plan, Baltimore, MD
- Mount Sinai School of Medicine – Research Resources Master Plan, New York, NY
- National University of Singapore – National University Hospital School of Medicine Master Plan, Singapore
- New York University – Langone Medical Center Master Plan, New York, NY
- Princeton University – Princeton Institute for the Science & Technology of Materials (PRISM) Master Plan, Princeton, NJ
- The Ohio State University – Medical Center Master Plan, Columbus, OH
- Tulane University School of Medicine – Master Plan for School of Medicine & Life Sciences, New Orleans, LA
- University of Colorado Health Science Center – Health Care and Research Master Plan, Denver, CO
- University of Michigan Medical School – Master Plan, Ann Arbor, MI
- University of Pennsylvania – Facilities Master Plan, Philadelphia, PA
- University of Southern California - Keck School of Medicine MP & Space Allocation Metrics Study, Los Angeles, CA
- University of Washington – Health Center & Life Sciences Master Plane Assessment, Seattle, WA

JCI's place in the industry as a laboratory design consulting firm provides them the advantage of working with many of the top institutions, architects and engineers in the world, giving them a broad base of experience and the knowledge that there are numerous ways to solve a problem. Since their entire focus is the research and instructional facilities, they provide cutting edge technology and experience to every project.

Jacobs Consultancy, Inc. Experience: (continued)



California Institute of Technology
Warren and Katharine Schlinger Laboratory for Chemistry and Chemical Engineering
 Pasadena, CA

Scope of Work:
 Preliminary Programming / Feasibility Study

Project Completion:
 2010

Project Size:
 69,250 GSF/ 39,028 NSF

Construction Cost:
 \$25,000,000

Description:

An essential feature of the Chemistry and Chemical Engineering Laboratory is integration – of chemistry and chemical engineering and of chemical sciences with other forefront areas of science and engineering research. Research laboratories throughout the multi-story building are designed for maximum flexibility and safety, to foster interaction among researchers and to ensure that the laboratory – and the chemical sciences at Caltech – will define the state of the art for many years to come.

Offices for faculty, students and staff are integrated in a way that allows ready access to laboratory spaces and also facilitates easy communication and informal interaction. Small conference rooms, one classroom of moderate size and several small teaching laboratories are included as well as space for shared facilities such as nuclear magnetic resonance spectrometry and other major instrumentation.



Jacobs Consultancy, Inc. Experience: (continued)

**The University of Texas at Austin
 Cockrell School of Engineering
 Engineering Education and Research Center**
 Austin, TX

Scope of Work:
 Programming through Construction Administration

Planning Completion:
 2012

Construction Completion:
 2015

Project Size:
 428,000 GSF / 230,000 NSF

Construction Cost:
 \$201,000,000

Description:



The University of Texas at Austin is constructing a new facility that provides critically needed education and research space for the Cockrell School of Engineering (CSE). The Engineering Education and Research Center (EERC) is targeted to transform undergraduate and graduate engineering education through inter-disciplinary collaborations. It introduces a new paradigm for engineering education and research to UT, providing students and faculty with a balance of flexibly modularized, state-of-the-art wet and dry lab space that offers rich opportunities to foster collaboration and innovation.

The EERC serves four major program elements: 1) Space for the ECE department, displaced by construction of the new EERC; 2) New centralized student services and undergraduate student collaboration and learning facilities focused on project-based learning; 3) New inter-disciplinary research labs dedicated for work in energy and other emerging fields and; 4) A central auditorium specially equipped for distance learning and collaboration features seating for 300 people.

This prominent new facility sensitively parses up an extensive amount of new square feet into three discrete components. The lower floor components are dedicated to student-centric functions featuring undergraduate classroom and teaching labs. At its heart, a student commons is to serve as the central gathering point for the whole School of Engineering. The full expanse of these lower floor plates forms an architectural plinth that supports two distinct mid-rise towers above. Aligned with the building's theme, one tower is dedicated to the most inter-disciplinary entity within the school, the Electrical and Computer Engineering department. The other tower's laboratories are intentionally unassigned, judiciously reserved to house funded projects required to feature an inter-disciplinary mix of research projects that unashamedly promote cross-collaboration across engineering disciplines.

Jacobs Consultancy, Inc. Experience: (continued)

**University of Wisconsin
Engineering Centers Building**
Madison, WI

Scope of Work
Programming through contract documents

Construction Completion:
2002

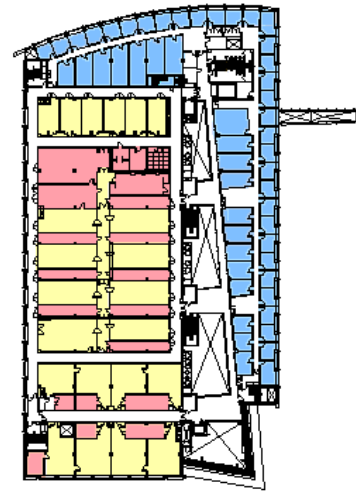
Project Size:
204,000 GSF / 135,854 NSF

Construction Cost:
\$47,000,000

Description:

The Engineering Centers Building (ECB) at the University of Wisconsin is the focal point of interdisciplinary research for the graduate programs of the College of Engineering, and hands-on engineering learning experiences for the undergraduate students. The goal of the College was to create an extra-curricular culture that enhances academic learning by creating and making visible a broad range of learning opportunities. The building itself serves as a learning tool for faculty and students, and includes:

- building design featuring exposed structural elements, instrumenting specific features so the building itself is a teaching tool.
- documenting the planning and design process via videotape so it can be used as a tool in teaching about cross-disciplinary issues such as teamwork, design processes, construction, facilities management, safety, etc.
- involving students in the planning, design and construction process.



The two upper floors provide large, flexible laboratory space, support space and offices. Class 10 through Class 1,000 cleanrooms (13,000 NSF) provide the controlled environment for nano- and micro-technology, the biomedical engineering and plasma manufacturing programs. The ECB is comprised of 90,000 NSF of research space including some incubator spaces, a 15,000 NSF vivarium and 40,000 NSF of space dedicated to undergraduate student activities. This space includes offices and team spaces for student organizations, a Discovery Center and Innovation Center (facilities to fabricate mechanical, electrical, fiberglass and composite structures, and project work areas), computer laboratories, a transportation laboratory (student automotive center), auditorium and student conference center, and the Technical Communication Program.

The laboratory and research space was designed to be ultra-flexible by bringing utilities, exhaust, compressed air, electrical and chemical connections to the wall portion of the laboratory. This flexible design allows for customization of the laboratory environment based on the researchers' grant requirements.

Jacobs Consultancy, Inc. Experience: (continued)

**University of California, Merced
 Science and Engineering Building**
 Merced, CA

Scope of Work
 Programming through construction administration

Project Completion:
 2006

Project Size:
 171,000 GSF / 102,000 NSF

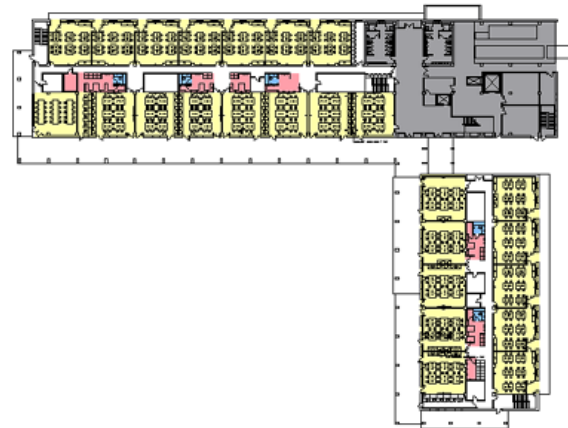
Construction Cost:
 \$55,000,000



Description:

The University of California, Merced was planned as a research university with emphasis on three academic divisions: Engineering, Natural Sciences and Social Sciences/Humanities/Arts. The Science and Engineering Building includes laboratories for research and instruction, a small-animal vivarium and related academic program support and departmental space in approximately 102,000 ASF. The Division of Engineering focuses on: Computing & Communications; Energy Conversion & Resources Engineering; Biotechnologies & Bioengineering. Natural Science disciplines include: biological sciences; chemistry; earth sciences; mathematics & physics.

The campus emphasizes links among these disciplines and minimizes barriers between academic areas. Planning and programming were developed with nonexistent faculty.



Jacobs Consultancy, Inc. Experience: (continued)

**Washington University
Lab Sciences Building**
St. Louis, Missouri

Scope of Work:
Programming and planning,
Laboratory design & layouts

Construction Completion:
2002

Project Size:
120,000 GSF / 58,958 NSF

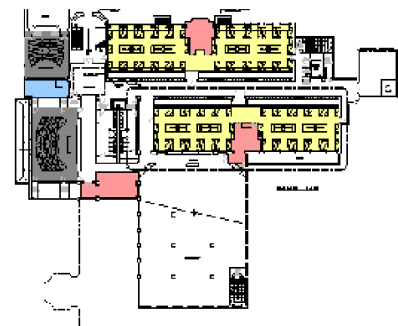
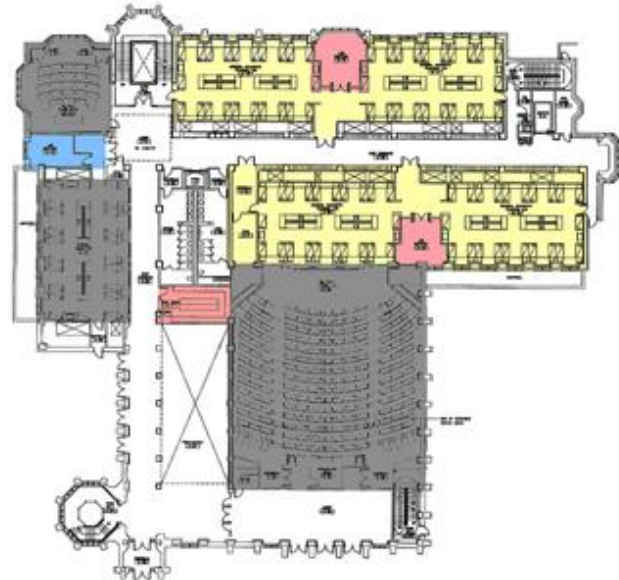
Construction Cost:
\$34,000,000

Description:

The new arts and sciences teaching and research (Lab Sciences Building) facility at Washington University is a stand-alone, state-of-the-art teaching facility with emphasis on education in the field of chemistry. The building accommodates five general chemistry, five organic chemistry and two advanced chemistry teaching laboratories, each for 20 students, as well as support space, offices, and a 300-seat auditorium.

Teaching (general and organic) laboratories feature unique design aspects, including the provision for one 5-ft. fume hood assigned to each student. Sinks in each hood allows for all activities, including glassware washing, to be performed entirely in the hood. Fume hoods are distributed around the perimeter of the teaching lab, allowing for egress in close proximity to the students.

Maximum visibility of student activities is an important feature of the laboratory design. Island benches, comprised of moveable components, are situated in the center of the lab and ensure mobility to meet changing instructional needs. The design accommodates changing curriculum, which include biology and physics teaching.



Jacobs Consultancy, Inc. Experience: (continued)

**Massachusetts Institute of Technology
Dreyfus Chemistry Laboratories, Building 18**
Cambridge, MA

Scope:
Programming and schematic design

Project Completion:
1999

Project Size:
129,166 GSF

Construction Cost:
\$46,000,000

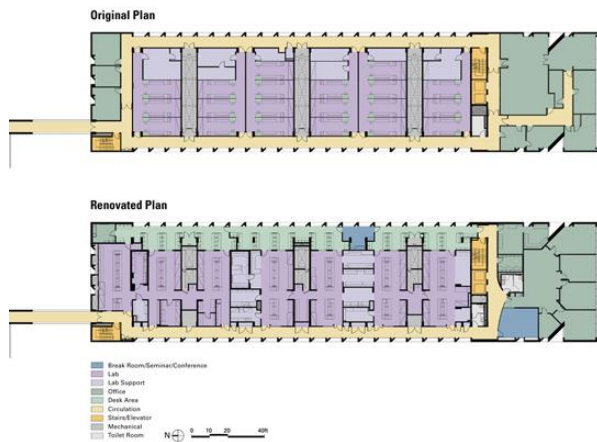
Description:



Massachusetts Institute of Technology (MIT) Dreyfus Chemistry Laboratories, Building 18 is a 130,000 gross square foot existing chemistry building that was design by I.M. Pei in 1969. The building contains approximately 80,000 square feet of programmable space, primarily for the synthetic organic chemistry, chemical engineering and biochemistry disciplines.

JCI/GPR provided programming services in conjunction with this renovation as well as assistance in the development of the schematic design. JCI/GPR provided technical support through additional phases of the project relating to planning and design of a contemporary chemistry building.

The design phase included the development of phasing strategies in which the building was phased vertically in thirds around shafts, so that complete replacement of infrastructure was achieved on a zone basis while maintaining the remaining two-thirds of each floor in operation. The design approach responded to objectives such as improving visibility of the laboratory environment both from circulation areas and within the laboratory itself, and relocating researchers' desk space to the outside of the lab proper. This exercise also included evaluation of available fume hood technologies in the interest of minimizing both first costs and operating costs through prudent control of air handling requirements.



Jacobs Consultancy, Inc. Experience: (continued)

Princeton University
Frick Chemistry Laboratory
 Princeton, NJ

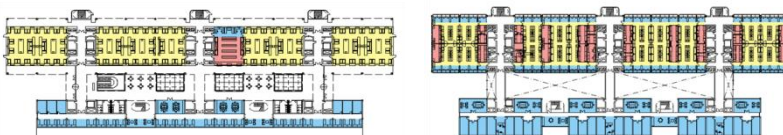
Scope of Work
 Programming and concept design through design development

Construction Completion:
 2011

Project Size:
 285,000 GSF / 170,955 NSF

Construction Cost:
 \$255,000,000

Description:



Princeton University's new Frick Chemistry Laboratory is a 285,000 GSF research and teaching facility. JCI/GPR was responsible for laboratory planning during the design phases that included programming and concept design through design development.

Integration of teaching and research facilities in the building enhances collaborative and creative opportunities with spaces designed for formal and casual interaction. The laboratory accommodates Experimental Chemistry, Organic/Inorganic/Synthetic Chemistry, Chemical Biology, Physical Chemistry and Computational Chemistry sub-disciplines. Together, 330 experimental and computational chemistry researchers are to occupy the new chemistry facility.

Typical of chemistry buildings, a diverse spectrum of fumehoods is planned for this building, for both research and teaching activities. They range in size from 10 feet down to 4 feet wide for a grand total quantity of 440 fumehoods. As a fumehood driven building, state-of-the-art fume hood design is essential to meet sustainability design goals.

Relentlessly modular planning allows any module to simply morph into just about any type of chemistry. There is a diverse mix of disciplines which can be segregated or mixed as research fashion dictates. Flexible and adaptable casework can be modified by individual users. General Chemistry and Organic Chemistry teaching laboratories are also relentlessly modular. Future evolution in the class sizes for either General or Organic Chemistry courses can easily expand or contract between the available teaching laboratories. Each student in General or Organic Chemistry is provided with their own transparent glass frame fume hood. Operationally, 180 teaching fumehoods are to be activated only during teaching periods to meet aggressive sustainability targets.

The Frick Chemistry Laboratory was selected as the winner of the 2012 Lab-of-the-Year High Honors award by R&D Magazine.

Bloom Companies, LLC (Overview and Experience):

Bloom Companies, LLC is a comprehensive civil engineering firm providing innovative and sustainable design solutions to public and private clients. Founded in 1998, Bloom is headquartered in Milwaukee, Wisconsin, with branch offices in Madison and Green Bay, Wisconsin; and Chicago, Illinois.

We offer professionals with expertise in site and utility engineering, environmental engineering, water resource engineering, transportation engineering, traffic engineering, bridge engineering, land surveying, structural engineering, and construction management. We provide services from concept and planning level to complete designs and construction management services.

Bloom has considerable recent experience in providing engineering services for the Division of Facilities Development (DFD) and the University of Wisconsin – Milwaukee.

A listing of our most recent projects at the University of Wisconsin – Milwaukee is below:

- ☐ Kenwood Interdisciplinary Research Complex – Phase 1
- ☐ Northwest Quadrant Central Utility Extension
- ☐ School of Freshwater Sciences
- ☐ Northwest Quadrant Parking Ramp Repairs
- ☐ Greene Museum Renovation
- ☐ Central Heating Plant Chiller Addition
- ☐ Campus Master Plan



Concord Group (Overview and Experience):

The Concord Group was founded in 1996 and has been providing professional services for over 16 years to colleges, universities, governmental agencies and institutional clients on high profile, complex projects. During this time, our staff has grown to nearly 30 professionals with expertise in Construction Cost Estimating, Owner's Representation and Specialized Real Estate Services. The Concord Group has offices in Milwaukee, Chicago and Grand Rapids.

Cost control forms the foundation of our approach to all projects and is just one characteristic that separates us from our competitors. We have been involved in over 100 projects for colleges and universities as the Cost Estimator. Because of this, our depth of information and knowledge of construction costs in this region and in particular for higher education projects is exceptional.

Many of our senior estimating staff members are certified by the Association for the Advancement of Cost Engineering or the Society for Cost Estimating. In addition, a number of our staff members are certified by the United States Green Building Council as LEED professionals.

FAMILIARITY WITH HIGHER EDUCATION FACILITY CONSTRUCTION

We have provided cost estimating services to higher education clientele, to the University of Wisconsin system and the University of Illinois system for nearly 10 years. Services provided include order of magnitude level estimates through final pre-bid estimates on virtually every type of educational facility including research facilities, student residences, administration buildings, classroom buildings, sports and recreation facilities, student unions, etc.

Project values range from \$10,000 to \$90,000,000 and have included over 100 projects for over 20 different colleges and universities. Some of these include:

- The University of Wisconsin (Madison, Milwaukee, Oshkosh, River Falls, La Crosse and Eau Claire campuses)
- The Medical College of Wisconsin
- Carroll University
- The University of Illinois/Urbana-Champaign
- The University of Illinois-Chicago
- The University of Chicago
- School of The Art Institute of Chicago
- University of Illinois Medical School
- Illinois Institute of Technology
- The University of Notre Dame
- Perdue University
- Southern Illinois University
- Governor's State University
- Illinois Central College
- Northwestern University
- The University of Nebraska
- Wayne State University



Medical College of Wisconsin New Curriculum Technology Renovation Project – Completed with Zimmerman Architectural Studios

Key Personnel:

Thomas Witte, AIA – Architect / Manager (Zimmerman Architectural Studios)

Mr. Witte will manage the master planning team and effort identified in the UW-Milwaukee Southwest Quadrant Redevelopment Plan project. At a national level, his science and technology projects have demonstrated that superior planning and design can allow for maximum program and outcomes to be achieved. Most recently Mr. Witte has been involved from the beginning on the Wisconsin Institutes for Medical Research, an interdisciplinary research facility for the University of Wisconsin School of Medicine and Public Health. His dual role as a coordinating planner and project manager brings a wealth of experience from all levels of design and implementation relative to today's multi-disciplinary, collaborative facilities.

Mr. Witte's recent, pertinent project planning and management experience includes:

- University of Wisconsin
 - Wisconsin Institutes for Medical Research – project manager and coordinating planner for a \$250 million translational research facility linking the University of Wisconsin's medical research capabilities to the University of Wisconsin Hospital and Clinics medical campus.
 - Radio Oncology Center – project manager and planner for a major expansion of UW Hospital's imaging and radio therapy center
 - Milwaukee Klotche Center Renovation / Additions (collaboration)
- BloodCenter of Wisconsin
 - systems wide comprehensive facilities master plan
 - corporate headquarters laboratory remodeling – planner and project manager for a major laboratory remodeling project
 - Greenfield donor center, prototype facility
- University of Chicago
 - Feasibility planning for the restart of the molecular imaging and radiopharmaceutical program.

Elizabeth Ericson, FAIA | LEED-AP – Planner / Designer (Zimmerman Architectural Studios)

Zibby Ericson has recently joined Zimmerman Architectural Studios, to add her recognized planning and design talent and experience to our award winning science + technology team. Zibby was previously a principal at Shepley Bulfinch Richardson and Abbott, in Boston where she received national attention for her spirited designs, including Higgins Hall at Boston College, which won the Boston Society of Architects Facilities for Higher Education Design Award and the Kent Hale Smith Engineering and Science Building at Case Western Reserve University. Additional academic institutions where she has integrated science teaching and research facilities include the Engineering School at the University of Maine at Orono, a multidisciplinary science facility for Agnes Scott College, Decatur, Georgia and a free standing psychology and neuroscience facility for the University of California, Riverside campus. Zibby also has assisted leading institutions in creating long-term visions for their campuses and identifying the steps needed to achieve them. Zibby is a leader / advocate of *Project Kaleidoscope* and served as a KECK/PKAL consultant to the educational organization, reviewing the plans and curricula of institutions for their prospective science facilities. She presents regularly at PKAL, Tradeline and SCUP conferences. Her most recent article, "Evidence Endorses Usefulness of Science-building Atriums" was published in R & D Laboratory Design.

Ms. Ericson's pertinent planning experience includes:

- Agnes Scott College – Multidisciplinary Science Building – Decatur, GA
- Austin College – Multidisciplinary Science Building – Sherman, TX
- Boston College, Chestnut Hill, MA
 - Campus Master Plan
 - Multidisciplinary Science at Higgins Hall
- Case Western Reserve University – Engineering and Science Building – Cleveland, OH
- Crichton College – Replacement Campus Master Plan – Memphis, TN
- Florida Gulf Coast University – Health Professions Academic Building – Fort Meyers, FLA
- University of California – New Psychology Building – Riverside, CA
- University of Maine – Campus Master Plan for Engineering Services – Orono, Maine
- University of Maine – New Multidisciplinary Engineering and Science Complex – Orono, Maine

Key Personnel: (continued)

David Drews, AIA | LEED-AP | SCUP | CNU-A – PLANNER / DESIGNER (Zimmerman Architectural Studios)

Mr. Drews has a strong planning, programming and design background within the university environment. *He enjoys working with clients seeking innovative solutions . . .* He is particularly interested in the way planning projects enhance their larger context, both cultural and physical. He makes decisions in the context of larger institutional goals and realities. He is a certified member of the Congress of New Urbanism, a member of the Society of College and University Planning and a LEED Accredited Professional. Working with the UW-Milwaukee team, Mr. Drews will assist in the analysis, synthesis and presentation of a vision for this project and the detailed requirements needed to realize it. Previous higher education planning and design assignments include: National Primate Research Center; Madison College Health Sciences Learning Center; School of Business Expansion; Mechanical Engineering Expansion / Renovation; Southwest Wisconsin Technical College Applied Sciences Center, and Fluno Center for Executive Education

Mr. Drews pertinent campus and curriculum planning experience includes:

- University of Wisconsin-Milwaukee -- Engineering Campus Preliminary Planning and Concept Designs
- UW-National Primate Center – Facility Expansion and Grant Application Support Planning
- Viterbo University Campus Master Plan
- Marian University Multi-Campus Master Plan
- Mount Mary College Master Plan
- Carroll College Master Plan
- GE Healthcare Training Center and Residence
- UW-Mechanical Engineering Expansion
- Madison College Allied Health Sciences Planning

Tom DiSalvo, ASLA – Landscape, Campus and Athletics Planning (Zimmerman Architectural Studios)

Mr. DiSalvo collaborates closely with the planning team in developing landscape design solutions for a variety of land, site and campus planning assignments. His areas of expertise include higher education campus environments including several landscape planning and design projects completed at the University of Wisconsin, Milwaukee Regional Medical Complex as well as the preliminary planning exercise completed for the proposed UW-Milwaukee Engineering Campus. He also has experience with schematic development, presentation graphics, hardscape design, construction document preparation and landscape construction administration. As Director of Landscape Architecture, Mr. DiSalvo will perform an important role in the successful plan outcome of this assignment.

Mr. DiSalvo's pertinent planning and design experience includes:

- University of Wisconsin-Milwaukee -- Engineering Campus Preliminary Planning and Concept Designs
- Marian University Campus Master Plan and Baseball Diamonds Planning
- Wisconsin Lutheran College Athletic Fields -Wisconsin Lutheran College Phase II (planning and design)
- Concordia University Athletic Fields Master Plan
- Village of Shorewood Spector Field Renovation
- Mount Mary College Gerhardinger Science Center
- Southwest Wisconsin Technical College
 - Health Occupations Building
 - Agriculture/Auto Transportation Center
 - Childcare Center
- Wisconsin Avenue Park Athletic Fields Master Plan
- Lake Country Lutheran High-school Campus Plan

Key Personnel: (continued)

Kevin P. Rohane, AIA – LAB PROGRAMMER / PLANNER (Jacobs Consultancy, Inc.)

Mr. Rohane is an Associate Principal at Jacobs Consultancy Inc., specializing in the programming, planning and design of collaborative academic and research facilities. Mr. Rohane has over 30 years of experience in the design and renovation of laboratory facilities. His expertise involves research resources master planning as well as functional and space programming activities for research facilities. Special areas of responsibility include determining space standards for institutional, corporate and government clients, analyzing existing facilities and applying those standards to potential renovation and new construction scenarios. His assignments also include existing facilities analysis, design concepts, and macro- and micro-level development of laboratory and animal facilities.

Mr. Rohane's pertinent campus / research facilities programming, planning and design experience includes:

- University of Washington, Seattle, WA - Health Center & Life Sciences Master Plan Assessment
- SUNY - Cornell University Statutory Colleges, Ithaca, NY - Facilities Master Plan
- Columbia University, New York, NY - Manhattanville Campus Master Plan
- Princeton University, Princeton, NJ - Princeton Institute for the Science & Technology of Materials (PRISM) Master Plan
- Tulane University School of Medicine, New Orleans, LA - Master Plan for the School of Medicine & Life Sciences
- Emory University/Children's Healthcare of Atlanta, GA - Emory Children's Center Departmental Research Master Plan
- Emory University Robert W. Woodruff Health Science Center, Atlanta, GA - Research Resources Master Plan
- University of Colorado Denver, Denver, CO - Anschutz Medical Campus Master Plan
- University of Southern California, Los Angeles, CA - Keck School of Medicine MP & Space Allocation Metrics Study
- Duke University School of Medicine, Raleigh, NC - Research Campus Master Plan
- Tufts Medical Center, Boston, MA - Facilities Master Plan
- New York University, New York, NY - Langone Medical Center Master Plan
- Cedars-Sinai Medical Center, Los Angeles, CA - Research Campus Facilities Master Plan
- University of Pennsylvania School of Medicine, Philadelphia, PA - Facilities Master Plan
- MD Anderson Cancer Center, Houston, TX - Campus Scale Research Master Plan
- Dartmouth Medical Center, Hanover, NH - Research Facilities Master Plan – Utilization Study

Conrad Etmayer, P.E., LEED-AP - Structural Engineer (Zimmerman Architectural Studios)

Mr. Etmayer has a broad technical background in structural engineering having led Zimmerman's structural engineering department for more than 20 years. He has extensive experience planning and designing a wide variety of applied science, scientific teaching and research buildings for the private and institutional market sectors. He has specific expertise with vibration analysis applied to the multiple-award winning UW-Mechanical Engineering and Wisconsin Institutes for Medical Research centers on a that were applied to several research specific labs, including an X-Ray lithography suite. He has participated on the vast majority of Zimmerman's completed DSF projects.

Mr. Etmayer's pertinent planning, design and facility evaluation experience includes:

- Milwaukee Area Technical College Childcare Centers (North and South Campus)
- UW – Madison
 - School of Business Original Building (1993) & Addition 2005
 - Interdisciplinary Research Center - Red Gym/Amory Historic Structures Report
 - Duns Scotus Classroom Renovation
- Waukesha County Technical College - Campus Architect 1997 - 2007
 - Printing Applied Technology Center - Campus Technology Center
 - Health Building - Quadracci Graphic Arts Building
 - Occupations Addition and Alterations - Occupations/Auto Shop Alterations
- Blackhawk Technical College – Campus Architect Since 2003
 - Aviation Center AIA Addition and Renovation - Monroe Campus Roof Replacement
- Carroll College
 - Fine Arts Center and Chapel - New Hall Residence Hall
- University of Wisconsin Center-Waukesha
- University of Wisconsin Center-Marshfield / Wood County
- University of Wisconsin-Whitewater Fine Arts Building

Key Personnel: (continued)

Jonathan Steinbach, PE - Senior Civil Engineer (Bloom Consultants –Certified MBE Firm)

Mr. Steinbach has over 14 years of experience as a civil engineer. His experience includes institutional, municipal, and private development projects and he has technical expertise in storm water management, hydrology and hydraulic analysis, grading design, utility design, paving design, and erosion control. Prior to joining Bloom, he was a project engineer for the City of Milwaukee's Department of Public Works specializing in storm water management and underground utility design.

Mr. Steinbach is the civil engineer for the Kenwood Interdisciplinary Research Complex (IRC) project that is currently being constructed immediately adjacent to the existing Kunkle Building. He has an in-depth understanding of the site and storm water issues related to these projects, as well as a strong knowledge of the utility systems in the immediate area.

A listing of relevant project experiences where Mr. Steinbach has provided civil engineering services are below:

- UW – Milwaukee Kenwood Interdisciplinary Research Complex – Phase 1
- UW – Milwaukee Northwest Quadrant Central Utility Extension
- UW- Milwaukee School of Freshwater Sciences
- UW – Milwaukee Greene Museum Renovation
- Milwaukee Job Corps Center
- P & H Mining Corporate Center Parking Lot and Mining Shovel Monument
- WeEnergies Valley Power Plant Employee Parking Lot

George Schulz, PE - Senior Traffic Engineer (Bloom Consultants –Certified MBE Firm)

Mr. Schulz has 25 years of experience as a senior engineer in charge of parking, traffic operation and safety studies. His project experience ranges from local street studies needing to address multi-modal issues including pedestrian, bike, transit and vehicular accommodations to the evaluation of alternative parking strategies for public and private clients. He has conducted parking studies for Miller Park, the Bradley Center, North-side Milwaukee CBD for the Park East project, UW - Milwaukee and UW - Madison, the City of West Bend business district and small private clients including P&H Mining and Elmbrook Hospital.

He has developed a refined knowledge of land use planning, university and sports venue parking, Transportation Demand Management, access management, and street and freeway operations analysis. Mr. Schulz has successfully demonstrated capabilities in traffic impact analyses, traffic calming strategies, parking lot functional design and has made extensive use of the traffic operation and computer simulation models.

A listing of relevant project experiences where Mr. Schulz has provided traffic engineering services are below:

- UW - Milwaukee Northwest Quadrant Central Utility Extension
- UW – Milwaukee Klotsche Center Expansion
- UW - Milwaukee Campus Master Plan
- UW – Madison Wisconsin Union Redevelopment
- UW – Madison Randall-Dayton Utility Improvements
- UW - Madison West Campus Utility Improvements.
- P & H Mining Corporate Center Parking Lot and Mining Shovel Monument

Key Personnel: (continued)

Harry Farchmin, PE - Principal in Charge - (Bloom Consultants –Certified MBE Firm)

Mr. Farchmin is a senior manager and principal of the firm with extensive experience in facility design, site investigations, evaluations, feasibility studies, environmental assessments and impact studies, designs, civil/structural/geotechnical engineering, project management, and construction management. He is a LEED accredited professional who specializes in multi-discipline project management. His responsibilities include client relations, quality assurance, and project delivery.

Mr. Farchmin has served as Bloom's principal in charge for the following Division of Facilities Development projects at the University of Milwaukee Campus:

- Kenwood Interdisciplinary Research Complex – Phase 1
- Northwest Quadrant Central Utility Extension
- School of Freshwater Sciences
- Northwest Quadrant Parking Ramp Repairs
- Greene Museum Renovation
- Central Heating Plant Chiller Addition
- Campus Master Plan

Robert Lex, PE - Mechanical Engineer (Zimmerman Architectural Studios)

Mr. Lex has been an active consulting engineer for over 20 years, primarily responsible for heating, ventilation and air conditioning systems but also with experience in the design of plumbing and fire protection systems. Assignments have included but are not limited to systems based on variable air volume, constant air volume, thermal storage, chilled water, hot water, steam, heat pumps, direct expansion refrigeration, and state-of-the-art direct digital controls. Mr. Lex has managed and designed projects for laboratory science, hospitals, technical facilities, and a co-generation power plant. In Mr. Lex's professional relationship with the architectural and technical community, he has presented seminars on mechanical systems, controls and calculation procedures.

Mr. Lex's pertinent building systems evaluation and conditions analysis includes:

- Marian University Campus Master Plan
- Viterbo University Campus Master Plan
- Madison Area Technical College Health Education Building
- Southwest Wisconsin Technical College
 - Health Science Building
 - Childcare Center
 - Building 500 Renovations
- Fox Valley Technical College
 - Building "A" Expansion
- Milwaukee Area Technical College
 - New TelePresence Rooms – Oak Creek, Mequon and West Allis
 - Oak Creek Cafeteria and Kitchen
- Mount Mary College
 - Gerhardinger Hall Science Center / Student Union
 - Bloechel Recreation Center
- Cardinal Stritch University
 - Campus Master Plan
 - Bacon Hall Science Renovations
 - Bonaventure Hall
- Agriculture Automotive Center
- Public Safety Complex
- Building 600 Renovations
- ADA Restroom Renovations
- District Wide ADA Renovations
- Theater Arts/Communications Center
- Duns Scotus Classroom Renovations

Key Personnel: (continued)

Danny Ho, PE - Electrical Engineer (Zimmerman Architectural Studios)

With more than 30 years of experience as a consulting electrical engineer, Mr. Ho has been involved in many prominent projects. His expertise has also been applied in coordinating and teaching numerous lighting courses and seminars. Mr. Ho has managed a variety of award winning projects ranging from \$100,000 to \$10 million including laboratories, university facilities, schools, hospitals, and office buildings. Mr. Ho has engineered various special systems including, but not limited to, Life Safety, telecommunications, Sound Systems, Security, MATV/CCTV, Private Telephone, Computer Systems, Uninterruptible Power Structures, Power Distribution and Lighting.

Mr. Ho's pertinent building systems evaluation and conditions analysis includes:

- Marian University Campus Master Plan
- Madison Area Technical College Health Education Building
- Milwaukee Area Technical College
 - New TelePresence Rooms – Oak Creek, Mequon and West Allis
 - Oak Creek Cafeteria and Kitchen
 - District Wide ADA Renovations
- Mount Mary College
 - Gerhardinger Hall Science Center / Student Union
 - Bloechel Recreation Center
- Cardinal Stritch University
 - Campus Master Plan
 - Bacon Hall Science Renovations

Patrick Geraghty, DE, CIPE - Plumbing / Fire Protection Engineer (Zimmerman Architectural Studios)

Mr. Geraghty has extensive experience in the design of Plumbing and Fire Protection Systems throughout the State of Wisconsin and the United States. He has been responsible for several hundred completed projects throughout his career including laboratory, teaching, industrial, commercial and institutional facilities. Mr. Geraghty led the plumbing investigation and study in the Historic Structure Report for the Red Gym and comprehends the sensitivity required to integrate improvements into existing infrastructures.

Mr. Geraghty's pertinent plumbing systems analysis and design experience includes:

- Marian University Campus Master Plan
- Viterbo University Campus Master Plan
- Madison Area Technical College Health Education Building
- Southwest Wisconsin Technical College
 - Health Science Building
 - Agriculture Automotive Center
 - Childcare Center
 - Public Safety Complex
 - Building 500 Renovations
 - Building 600 Renovations
- Fox Valley Technical College
 - Building "A" Expansion
 - ADA Restroom Renovations
- Milwaukee Area Technical College
 - New TelePresence Rooms – Oak Creek, Mequon and West Allis
 - Oak Creek Cafeteria and Kitchen
 - District Wide ADA Renovations
- Mount Mary College
 - Gerhardinger Hall Science Center / Student Union
 - Bloechel Recreation Center
- Cardinal Stritch University
 - Campus Master Plan
 - Theater Arts/Communications Center
 - Bacon Hall Science Renovations
 - Duns Scotus Classroom Renovations
 - Bonaventure Hall

Zimmerman Higher Education Planning / Program / Design Experience:

- University of Wisconsin-Milwaukee – Preliminary Engineering Campus Evaluation & Planning - Wauwatosa, Wisconsin
- University of Wisconsin - Mechanical Engineering Building Addition - Madison, Wisconsin
- University of Wisconsin - Wisconsin Institute of Medical Research - Madison, Wisconsin
- University of Wisconsin – National Primate Research Center Addition / Renovation – Madison, Wisconsin
- University of Wisconsin – Clinical Science Center K-4 Vertical Tower Expansion – Madison, Wisconsin
- University of Wisconsin Hospital and Clinics – Radiotherapy Expansion / Renovation – Madison, Wisconsin
- University of Wisconsin – School of Nursing - Conceptual Programming and Planning Study – Madison, Wisconsin
- Medical College of Wisconsin – New Curriculum Technology Renovation Project – Wauwatosa, Wisconsin
- Medical College of Wisconsin – MACC Fund Research Center – Wauwatosa, Wisconsin
- BloodCenter of Wisconsin – Headquarters Lab Remodeling – Milwaukee, WI
- Concordia University of Wisconsin - School of Pharmacy Programming, Space Planning, Site Planning and Conceptual Design – Mequon, Wisconsin
- University of Wisconsin-Madison - School of Veterinary Medicine - Programming, Space Planning, Site Planning and Conceptual Design – Madison, Wisconsin
- Madison Area Technical College - Truax - Health Sciences Learning Center - Madison, Wisconsin
- Southwest Wisconsin Technical College - Health Sciences Learning Center - Fennimore, Wisconsin
- Mount Mary College – Gerhardinger Science Center - Milwaukee, Wisconsin
- Waukesha County Technical College - Clinical Simulation Laboratory - Waukesha, Wisconsin
- Waukesha County Technical College - Campus Center - Pewaukee, Wisconsin
- Waukesha County Technical College - Printing Education and Technology Center - Waukesha, Wisconsin
- Blackhawk Technical College - Aviation Center - Janesville, WI
- Cardinal Stritch University – Bacon Hall Science Center - Glendale, Wisconsin
- Cardinal Stritch University – Bonaventure Hall Expansion – Glendale, Wisconsin
- Cardinal Stritch University – Dons Scotus Hall Renovation – Glendale, Wisconsin
- Cardinal Stritch University Campus Master Plan – Glendale, Wisconsin
- Cardinal Stritch University Communications Studies / Theater Arts Center – Glendale, Wisconsin
- University of Wisconsin – School of Business Expansion - Madison, Wisconsin
- University of Wisconsin-Center - Marshfield / Wood County - Marshfield, Wisconsin
- University of Wisconsin-Center - Waukesha County – Student Center - Waukesha, Wisconsin
- Viterbo University - Campus Master Plan - La Crosse, Wisconsin
- Marian University - Campus Master Plan - Fond du Lac, Wisconsin
- Moraine Park Technical College - Campus Master Plan - Fond du Lac, Wisconsin
- Waukesha County Technical College - Campus Master Plan - Waukesha, Wisconsin
- University of Wisconsin - Smith Residence Hall - Madison, Wisconsin
- Mount Mary College – Bloechel Recreation Center – Milwaukee, Wisconsin
- BMO Harris Bank - Institute for Learning – Corporate Training Center – Brookfield, Wisconsin
- Wacker Corporation – Corporate Training Center – Menomonee Falls, Wisconsin
- Moraine Park Technical College Campus Master Plan – Fond du Lac, Wisconsin
- GE Healthcare Global Training Center – Pewaukee, Wisconsin
- University of Wisconsin – Fluno Center for Executive Education – Madison, Wisconsin
- University of Wisconsin – Kohl Center (collaboration) – Madison, Wisconsin
- University of Wisconsin-Milwaukee – Klotche Center Expansion (collaboration) – Milwaukee, Wisconsin
- University of Wisconsin-Green Bay – Kress Center (collaboration) – Green Bay, Wisconsin
- University of Wisconsin-Milwaukee – Holton Hall Renovation – Milwaukee, Wisconsin
- Mt. Mary College Fine Arts Center Programming / Concept Design – Milwaukee, Wisconsin
- Carroll University - Fine Arts Center – Waukesha, Wisconsin
- Carroll University – New Hall – Student Residence hall – Waukesha, WI
- Concordia University Parking Structure Planning and Design – Mequon, WI
- Concordia University Campus Aesthetic Improvements Planning and Design – Mequon, Wisconsin

References:

The clients we have served testify to our proven qualifications and accountability. We encourage you to call any of our past project contacts and discuss our performance.

UW – Wisconsin Institutes for Medical Research

Mr. Mark Wells
 Assistant Dean for Facilities
 University of Wisconsin Madison
 (608) 262-7437

University of Wisconsin – Wisconsin School of Business

Mr. Michael M Knetter
 President
 University of Wisconsin Foundation
 (608) 262-1758

UW-School of Nursing Planning Study / Concept Design

Katharyn A. May, PhD, RN, FAAN
 Dean and Professor
 UW-School of Nursing
 (608) 263-9725

University of Wisconsin – WIMR / Mechanical Engineering / Primate Center / Newell J. Smith Residence Hall

Paul M. DeLuca, Jr.
 Provost and Vice Chancellor for Academic Affairs
 University of Wisconsin–Madison
 (608)262-1304

Mount Mary College

Donna Gastevich, MPA
 Vice President for External Relations
 Mt. Mary College
 (414) 258-4810 ext. 646

Viterbo University Campus Master Plan

Dr. Richard B. Artman
 President
 Viterbo University
 (608) 796 – 3001

Awards / Honors for Zimmerman's Recent DSF Assignments:

University of Wisconsin Mechanical Engineering Renovation / Expansion

2007 Wisconsin Golden Trowel Award - International Masonry Institute, - Universities or Colleges - Best in Category
 2007 Best of Award, Midwest Construction Magazine, - Renovation/Rehabilitation - Award of Merit
 2008 Best New Development or Renovation – Education, In Business Magazine Commercial Design Award
 2008- Madison Trust for Historic Preservation - Sensitive Addition

University of Wisconsin-Wisconsin Institutes for Medical Research

2009 - Midwest Construction Magazine - Project of the Year - Higher Education category
 2009 Top Projects Award - Wisconsin Builder Magazine
 2009 - Award of Merit - Illuminating Society of North America (Radio Therapy Renovation)
 2008 American Society of Interior Designers – Gold (Radio Therapy Renovation)

University of Wisconsin- School of Business / Grainger Hall

2009 State of Wisconsin - Department of Administration - DSF Excellence in Architectural Design
 2009 Greater Madison InBusiness Magazine – Merit Awards
 2009 National Terrazzo and Mosaic Association Inc. - Job of the Year
 2009 IIDA Interior Design - Award of Excellence
 2008 American Society of Interior Designers – Gold

University of Wisconsin-Newell J. Smith Residence Hall

2006 Top Projects Award – Wisconsin Builder Magazine