

raSmith

CREATIVITY BEYOND ENGINEERING

Structural Engineering



Corporate Overview

raSmith is a multi-disciplinary consulting firm comprising civil engineers, structural engineers, land surveyors, development managers, landscape architects and ecologists.

Our services are focused on our public and private sector client needs in design and construction including land development, site planning and design, structural engineering, municipal engineering,

transportation and traffic, surveying, construction services and geographic information systems (GIS). We work on projects nationwide from our eight locations in Wisconsin, Illinois, California and Pennsylvania.

raSmith was founded in 1978 by the current owner and CEO, Richard A. Smith, M.S., P.E. The firm employs a staff of 200.



Office Locations

Brookfield (Milwaukee), Wisconsin

16745 West Bluemound Road
Brookfield, WI 53005-5938
(262) 781-1000

Appleton, Wisconsin

100 West Lawrence Street, Suite 412
Appleton, WI 54911-5754
(920) 731-3499

Madison, Wisconsin

5250 East Terrace Drive, Suite 108
Madison, WI 53718-8345
(608) 467-3034

Cedarburg, Wisconsin

W62 N588 Washington Avenue, Suite 201
Cedarburg, WI 53012-2074
(262) 781-1000

Mount Pleasant, Wisconsin

1100 Commerce Drive, Suite 108
Mount Pleasant, WI 53406-3700
(262) 781-1000

Naperville (Chicago), Illinois

1245 East Diehl Road, Suite 102
Naperville, IL 60563-4816
(630) 405-5722

Irvine, California

8881 Research Drive
Irvine, CA 92618
(949) 872-2378

Oakmont (Pittsburgh), Pennsylvania

333 Allegheny Avenue, Suite 202
Oakmont, PA 15139-2072
(412) 828-7604

Structural Services Division

History

raSmith's structural engineering staff brings a 50-year legacy of providing structural engineering services for projects in the health care, higher education, justice/security, commercial/retail, corporate, residential, K-12, industrial and local government markets. Our staff has also completed projects for the U.S. Department of Veterans Affairs, Wisconsin Division of Facilities Development and the Wisconsin Department of Transportation.

Structural Services Division



Scott Ginal
P.E., S.E.
Director of Structural Services



Steve Roloff
P.E., LEED AP
Structural Group Leader



Wayne Vandenberg
P.E.
Structural Project Manager



John Burgan
P.E.
Structural Business Development
Manager



Bob Ray
R.A., P.E.
Senior Structural Engineer



Carl Samppala
P.E.
Structural Engineer



Jeff Derra
P.E., LEED AP
Cold Formed Group Leader



David Boldt
P.E.
Structural Engineer



Marco Lo Ricco
P.E., S.E.
Senior Structural Engineer



Brian Skupien
Structural Engineer



Paul Petrides
P.E.
Structural Engineer



Mike Kren
Structural Engineer



Jeff Perrin
Structural Engineer



Alyssa Walker
Structural Engineer



Richard McElvain
Structural BIM Technician



Danny Conner
Structural BIM Technician



Paul Woolson
Structural BIM Technician



Erin Swanson
Structural BIM Technician

STRUCTURAL ENGINEERING

Creativity, Stability and Longevity



Our structural engineering services are the backbone for an efficient, integrated design that meets our clients' needs and maintains a high standard of strength and safety. Our expertise includes bridges, parking structures, office buildings, state-of-the-art hospitals, world-class stadiums, secure prisons and more.

Services

- Structural engineering
- Construction engineering
- Fatigue, fracture evaluations
- Structural health monitoring
- Structural reliability and safety analysis

Facilities

- Civic
- Commercial
- Corporate
- Health care
- Higher education
- Industrial
- Justice and security
- K-12
- Residential
- Senior living

Infrastructure

- Ancillary highway structures
- Culverts
- Highway, local and pedestrian bridges
- Parking structures
- Pump stations
- Retaining structures
- Wastewater treatment facilities

Health Care



*All Saints Health Care
Racine, WI*



*Northpoint Health and Wellness Center
Roscoe, IL*



*Lake Forest Women's Center
Prairie Crossing, IL*

All Saints Health Care, Racine, WI

Women & Children's Center

Cardiovascular Institute

Emergency Room Expansion

Central Plant Expansion

Cancer Care

AMB Development Group, multiple projects

Aspirus Keweenaw Hospital Addition and Remodel, Laurium, MI

Aspirus Wausau Hospital, Wausau, WI

Regional Cancer Center

Cancer Care Center Addition

Cancer Addition & Remodeling

Nursing Unit Expansion

Ambulatory Care Addition

Radiology Addition

Power Plant Addition & Canopy Framing

North Additions

Patient Bed Expansion/Remodel

Dining Room Addition

Ambulance Garage Addition

West Entrance Addition

Clement J. Zablocki VA Medical Center, multiple projects, Milwaukee, WI

Community Memorial Hospital, Menomonee Falls, WI

Covenant Healthcare Systems, multiple projects, Franklin, WI

Fort Atkinson Hospital Addition, Fort Atkinson, WI

Howard Young Medical Center Expansion, Woodruff, WI

Jesse Brown VA Medical Center, multiple projects, Chicago, IL

Kenosha Hospital, Kenosha, WI

Lake Forest Hospital, multiple projects, Prairie Crossing, IL

Lake Forest Hospital, Hunter Family Center for Women's Health,
Lake Forest, IL

Marquette General Hospital, Marquette, MI

Operating Room Expansion

ICU Addition

North Building Remodel

Meriter Hospital – multiple projects, Madison, WI

Northpoint Health and Wellness Center, Roscoe, IL

Oncology of Wisconsin, Wauwatosa, WI

St. Francis Hospital, Milwaukee, WI

Emergency Department Addition

Surgery Tower

Parking Garage

Ambulatory Care Addition

St. Joseph's Hospital, Women's and Children's Center, Milwaukee, WI

St. Joseph's Outpatient Center, Wauwatosa, WI

Taleris Plasma Resources, Milwaukee, WI

UHS Somers Medical Office Building, Somers, WI

William S. Middleton Memorial Veterans Hospital, multiple projects,
Madison, WI

Medical Office Buildings/Clinics



*Gundersen Clinic
Sparta, WI*



*Dean Health Plan Headquarters
Madison, WI*



*Northpoint Health and Wellness Campus
Roscoe, IL*



*Lake Forest Hospital Medical Office Bldg.
Grayslake, IL*

All Saints Healthcare West Physicians Office Building, Racine, WI
Bellin Health Sports Medicine Facility, Ashwaubenon, WI
Capital Medical Office Building, Brookfield, WI
Central Kentucky Ambulatory Center, Danville, KY
Children's Hospital of Wisconsin Clinic, Mequon, WI
Christus/St. John Hospital Medical Office Building, Nassau Bay, TX
Columbia Hospital Clinic Addition, Milwaukee, WI
Columbus Medical Office Building, Columbus, WI
Covenant Medical Office Building, Franklin, WI
Dean Health Plan Headquarters, Madison, WI
Gundersen Clinics; Onalaska, Sparta and Tomah, WI
Heart Hospital of Milwaukee Medical Office Building, Glendale, WI
Hoffman Estates Surgery Center, Hoffman Estates, IL
Kish Health System Health and Wellness Campus, DeKalb, IL
Lake Forest Hospital Medical Office Building, Grayslake, IL
Mayfair Radiology Associates, Wauwatosa WI
McKees Rocks Medical Office Building, McKees Rocks, PA
Medford Hospital Clinic, Medford, WI
Menomonee Falls Ambulatory Surgery Center, Menomonee Falls, WI
New Berlin Medical Office Building, New Berlin, WI
Northeast Health Systems Medical Office Building, Danvers, MA
Northpoint Health and Wellness Center, Roscoe, IL
Norwegian American Hospital Medical Office Building, Chicago, IL
Orthopedic Associates of Wisconsin, Waukesha, WI
Orthopedic & Sports Medicine Specialists, Green Bay, WI
Prairie Clinic, Sauk City, WI
St. Nicholas Taylor Drive Medical Office Building, Sheboygan, WI
Stoughton Hospital Medical Office Building, Stoughton, WI
The Eye Center, Columbus, OH
UHS Somers Medical Office Building, Kenosha, WI
UW Medical Foundation Yahara Clinic, Monona, WI
Washington Regional Medical Center Medical Office Building,
Springdale, AR
Watertown Hospital Medical Office Building, Watertown, WI
Wheaton Franciscan Hospital Highway 31 Clinic, Racine, WI
Wheaton Franciscan Hospital Fine Lando Clinic, Cudahy, WI

Housing



*1522 On the Lake Condominiums
Milwaukee, WI*



*Park & Regent Mixed-Use
Madison, WI*



*Capitol West
Madison, WI*



*Westlawn Gardens Housing Revitalization
Milwaukee, WI*

1522 On the Lake, Milwaukee, WI
Alpha Phi Sorority House Renovation, Madison, WI
Aspen Court (Bedford Crossing), Madison, WI
Bishops Bay Apartments and Clubhouse, Middleton, WI
Capitol West, Madison, WI
Fox Head Residences, Milwaukee, WI
Freshwater Plaza Mixed-Use Development, Milwaukee, WI
Harbour Lights Condo Mixed-Use Development, Port Washington, WI
Hidden Lake Preserve, Brookfield, WI
IA Madison Apartments, Madison, WI
Ingram Place, Milwaukee, WI
Kings Way Homes, Milwaukee, WI
Ninebark Townhomes, Fitchburg, WI
Park & Regent Mixed-Use, Madison, WI
Springs Apartment Complexes, Nationwide
The Residences at Library Park, Kenosha, WI
Tralee Apartments, Fitchburg, WI
University Square, Madison, WI
Village of Autumn Lake, Madison, WI
Wauwatosa Apartment Homes, Wauwatosa, WI
Westlawn Gardens Housing Revitalization Phases I/II, Milwaukee, WI
Weston Place Condominiums, Madison, WI

Parking Structures



*Third Ward Parking Ramp
Milwaukee, WI*



*MSOE Soccer Field/Parking Facility
Milwaukee, WI*



*Parker Drive Parking Structure
Janesville, WI*



*Cancer Treatment Centers of America
Zion, IL*

875 East Wisconsin Structure, Milwaukee, WI
Alverno College Parking Ramp, Milwaukee, WI
Blatz Parking Structure, Milwaukee, WI
Bradley Center Parking Structure, Milwaukee, WI
Cancer Treatment Centers of America Structure, Zion, IL
City of Green Bay, Cherry Street Parking Structure, WI
City of Green Bay, Pine Street Parking Structure, WI
City of Janesville, Parker Drive Parking Structure, WI
City of Lake Geneva Parking Structure Pre-Referendum Design, WI
City of Wausau, Jefferson Street Parking Structures, Wausau, WI
Civic Centre Parking Ramp, Racine, WI
Community Memorial Hospital Structure, Menomonee Falls, WI
Covance Parking Ramp, Madison, WI
Milwaukee Hilton Parking Ramp, Milwaukee, WI
MSOE Soccer Field and Parking Facility, Milwaukee, WI
Riverside Center Parking Structure, La Crosse, WI
Rock County Courthouse Parking Structure, WI
St. Francis Hospital Parking Structure, Milwaukee, WI
All Saints Medical Center Parking Structure, Racine, WI
Suburban Hospital Parking Structure, Bethesda, MD
Third Ward Parking Ramp, Milwaukee, WI
Western Technical College Parking Ramp, La Crosse, WI
William S. Middleton Veterans Admin. Hospital Structure, Madison, WI

Higher Education



*UW–Madison
Camp Randall Stadium
Madison, WI*



*UW–Madison
Microbial Sciences
Madison, WI*



*Milwaukee School of Engineering
(MSOE)
Kern Center
Milwaukee, WI*



*UW–Superior
Rothwell Student Center
Superior, WI*

Alverno College Expansion and Renovation, Milwaukee, WI
Carthage College Student Union Expansion, Kenosha, WI
Gateway Technical College, multiple projects, Elkhorn, WI
Lakeshore Technical College, Cleveland, WI
Medical College of Wisconsin Health Research Center, Wauwatosa, WI
Marquette University Jesuit Residence, Milwaukee, WI
Milwaukee Area Technical College, multiple projects, Milwaukee, WI
Milwaukee School of Engineering, Kern Center, Milwaukee, WI
University of Wisconsin–Green Bay, Laboratory Sciences Building,
Green Bay, WI
University of Wisconsin–La Crosse, Student Union Center, La Crosse, WI
University of Wisconsin–Madison, Camp Randall, Stadium Renovation
and Expansion, multiple projects, Madison, WI
University of Wisconsin–Madison, Microbial Sciences, Madison, WI
University of Wisconsin–Madison, Music Performance Building,
Madison, WI
University of Wisconsin–Madison, Student Athletic Performance Center,
Madison, WI
University of Wisconsin–Madison, DeJope Residence Hall, Madison, WI
University of Wisconsin–Madison, Wisconsin Energy Institute,
Madison, WI
University of Wisconsin–Milwaukee, Northwest Quadrant Greenhouse,
Milwaukee, WI
University of Wisconsin–Milwaukee, Northwest Quadrant
Redevelopment Study and Pre-Design, Milwaukee, WI
University of Wisconsin–Oshkosh Clow Hall Renovation, Oshkosh, WI
University of Wisconsin–Parkside, Parkside Student Center, Kenosha, WI
University of Wisconsin–Platteville, Glenview Commons Remodeling,
Platteville, WI
University of Wisconsin–Stevens Point Health and Wellness Study,
Stevens Point, WI
University of Wisconsin–Stevens Point, Debot Dining Center Feasibility
Study, Stevens Point, WI
University of Wisconsin–Stevens Point, Lot T Parking Garage
Predesign, Stevens Point, WI
University of Wisconsin–Stevens Point, Suites@201, Stevens Point, WI
University of Wisconsin–Superior, Rothwell Student Center,
Superior, WI
University of Wisconsin–Whitewater, Connor Student Center,
Whitewater, WI
Waukesha County Technical College – multiple projects, Pewaukee, WI
Western Technical College, multiple projects, La Crosse, WI

K-12



*Williams Bay Elementary School
Williams Bay, WI*



*Dodgeville High School
Dodgeville, WI*



*New Glarus Middle School
New Glarus, WI*



*Oconomowoc School District
Oconomowoc, WI*

Arrowhead High School North & South Campus Additions
Barneveld School District Addition and Renovation
Brown Deer Elementary, Middle & High School Additions & Renovations
Campbellsport Middle & High School Additions
De Pere East High School Addition
Dodgeville High School Addition & Remodeling
Eau Claire Memorial High School Addition
Eau Claire School District Secure Entrance Additions
Franklin Public Schools
Germantown School District Multiple Facility Additions & Renovations
Gifford School Addition & Renovation, Racine, WI
Grace Evangelical Lutheran, multiple projects
Greendale High School Addition
Hales Corners Lutheran School Addition
La Crosse School District Secure Entrance Addition, multiple projects
Lake Mills Elementary School
Lodi School District
Kenosha Unified School District Athletic Facilities, multiple projects
Kettle Moraine High School
Marquette High School, multiple projects
Menasha High School Additions & Remodeling
Messmer High School Gymnasium Addition
Middleton-Cross Plains Area School District Additions & Renovations
Mitchell Middle School
New Glarus Middle and High School Addition & Renovation
Oak Creek School District, multiple projects
Oconomowoc School District, multiple projects
Palmyra-Eagle Middle School/High School Additions & Renovations
Spooner High School
St. Joan Antida High Charter School
Shawano Middle School Renovation & Additions
Sun Prairie School District, multiple projects
Sussex Hamilton High School, multiple projects
Sussex Hamilton School District, New Intermediate School
Verona Area School District Tornado Areas of Refuge Analysis
Waupun School District, multiple projects
Williams Bay Elementary School
Yorkville Joint #2 School District

Commercial



*875 East Wisconsin Avenue
Milwaukee, WI*



*Tri-North Builders Headquarters
Madison, WI*



*University Square
Madison, WI*



*Riley Construction Headquarters
Kenosha, WI*

8215 Greenway Office Building, Middleton, WI
875 East Wisconsin Avenue, Milwaukee, WI
Acuity Insurance, Sheboygan, WI
Allergy Associates, La Crosse, WI
Altra Federal Credit Union, La Crosse, WI
Associated Bank, Madison, WI
Associated Bank, McKinley Branch, Milwaukee, WI
Associated Bank Menomonee Falls Branch, Menomonee Falls, WI
Audi Exchange Addition and Renovations, Highland Park, IL
Badger Meter, multiple projects, Brown Deer, WI
Badgerland Financial Branch Location, Sun Prairie, WI
Bemis Addition and Renovation, Neenah, WI
Coulee Recovery Center, La Crosse, WI
Culver's Franchising System, Corp Headquarters, Prairie du Sac, WI
Dudley Tower, Wausau, WI
Exact Science Novation Center Building Addition, Madison, WI
Fields BMW, Northfield Renovation, Northfield, IL
Firefighters Credit Union, La Crosse, WI
Freshwater Plaza Mixed-Use Development, Milwaukee, WI
Heritage Reserve Office Building, Milwaukee, WI
Hilldale Mixed-Use Urban Development, Madison, WI
Hole in the Wall Casino, Danbury, WI
Hyatt Place Hotel at Capitol West, Madison, WI
Inpro Corporation, Mercury Office Building, Muskego, WI
JF Brennan Office Building, La Crosse, WI
Kansas State Credit Union, Kansas
M3 Office Building, Madison, WI
Midwest Tech Holdings, Offices and Retail Banking, Madison, WI
Monona State Bank, Monona, WI
National Council of Bar Examiners, Madison, WI
Organic Valley Cashton Office Building, Cashton, WI
PC Nametag Office and Manufacturing Addition, Verona, WI
Pike Technologies, Corporate Headquarters, Fitchburg, WI
Platteville Library Block Development, Platteville, WI
Riley Construction, Corporate Headquarters, Kenosha, WI
Summit Credit Union, multiple branches, WI
Summit Credit Union Data Center, Sun Prairie, WI
The Madison Group Office Building, Fitchburg, WI
The Salvation Army Ray & Joan Kroc Corps Community Center,
Green Bay, WI
Tri-North Builders Headquarters, Madison, WI
University Square, Madison, WI
We Energies Service Center, Menomonee Falls, WI

Industrial



*Liberty Corporate Preserve III
Oak Creek, WI*



*Lakeview Corporate Park
Pleasant Prairie, WI*



*Aptar Molding Facility
Lincolnton, NC*



*Pitney Bowes Sorting and Distribution
Brown Deer, WI*

58th Place Kenosha, Lot 13, Kenosha, WI
58th Place Kenosha, Zilber Industrial I, Kenosha, WI
Ace Precision, Oconomowoc, WI
Aptar Molding Facility, Lincolnton, NC
Briggs & Stratton Expansion, Menomonee Falls, WI
Business Park of Kenosha – numerous projects, Kenosha, WI
Cal-Star Project, Racine, WI
Charter Energy and Chemicals West Building Addition, La Crosse, WI
Commerce Construction Build to Suit, Pleasant Prairie, WI
CPI Plastics, Pleasant Prairie, WI
Enterprise Business Park, Sturtevant, WI
Falls Distribution Center, Menomonee Falls, WI
First Park Industrial Building, Somers, WI
Franklin Commerce Center 5, Franklin, WI
Grandview 9 Warehouse/Distribution Center, Yorkville, WI
Grandview Spec Development Lot 15, Pleasant Prairie, WI
Husco International Hoist Review, Waukesha, WI
JF Ahern Menomonee Valley Facility, Milwaukee, WI
Kenall Manufacturing, Kenosha, WI
Kimberly Clark WRE 2016 Laboratory Interfacial Laboratory
Renovations, Menasha, WI
Kwik Trip Maintenance Facility, La Crosse, WI
Kwik Trip LP Filling Facility, La Crosse, WI
Lakeview Corporate Park – numerous projects, Pleasant Prairie, WI
Liberty Corporate Preserve I, II and III, Oak Creek, WI
Lycan Redimix and Aggregate Storage, Janesville, WI
Menomonee Falls Buildings I, II and III, Menomonee Falls, WI
Rank Video, Pleasant Prairie, WI
Regal Beloit – Unico Addition, Franksville, WI
Schoeneck Containers, Inc. Industrial Building, Elkhorn, WI
Towne Industrial – multiple projects, Pleasant Prairie, WI
Trane Company – Multiple Projects, La Crosse, WI
Volkswagen Distribution Center, Pleasant Prairie, WI
Vortex Optics, Barneveld, WI
Weir Minerals Crane Bay E&F & Office Building Addition, Madison, WI
Westbrook New Distribution Center, Milwaukee, WI
Wispark Spec Building, Mount Pleasant, WI
Zilber Industrial I, Franklin, WI

Municipal Facilities



*City of Madison Central Library
Madison, WI*



*Village of Pleasant Prairie Department
of Public Works Garage
Pleasant Prairie, WI*

City of Greenfield DPW Garage and Fire Station, Greenfield, WI
City of Madison Central Library, Madison, WI
City of Madison Fire Station #2 Remodeling, Madison, WI
City of Madison Fire Station #5 Remodeling, Madison, WI
Delafield Public Library, Delafield, WI
Kaukauna Fire Station, Kaukauna, WI
Kaukauna New Municipal Center City, Police & Fire New Facilities
Kilbourn Library Expansion, Wisconsin Dells, WI
Milwaukee Public Library Green Roof, Milwaukee, WI
Mineral Point Library and City Hall, Mineral Point, WI
Mount Prospect Public Library, Mount Prospect, IL
Northland College Library, Ashland, WI
Onalaska Public Library, Onalaska, WI
UW Rock County Library Addition, Janesville, WI
Village of Pleasant Prairie, Department of Public Works Garage

Civic Buildings



*Highland Manor Community Safe Room
Madison, WI*



*RecPlex Aqua Arena
Pleasant Prairie, WI*



*Sharon Lynne Wilson Center for the Arts
Brookfield, WI*



*Kenosha Transit
Kenosha, WI*

Alliant Energy Center, Madison, WI
Alliant Energy Center Livestock Pavilions, Madison, WI
Avery YMCA Addition, Plainfield, IL
Bay Area Transit, Ashland, WI
City of Appleton Municipal Services Building, Appleton, WI
City of Fitchburg Fire Station, Fitchburg, WI
City of Kenosha Transit Garage, Kenosha, WI
City of Madison Highland Manor Community Safe Room (Tornado Shelter), Madison, WI
City of Madison Public Library, Hawthorne Branch, Madison, WI
City of Madison, Central Public Library Addition & Renovation, Madison, WI
City of Manitowoc Transfer Station, Manitowoc, WI
City of Milwaukee Fire Department Training Academy, Milwaukee, WI
General Mitchell International Airport Maintenance Building Expansion, Milwaukee, WI
Green County Courthouse, Monroe, WI
Green Lake County Justice Center, Green Lake, WI
Greendale Law Enforcement Center, Greendale, WI
Greendale Public Works Garage & Fire Station, Greendale, WI
Greendale Village Hall, Greendale, WI
Highland Manor Community Safe Room-Tornado Shelter, Madison, WI
Kaukauna Fire Station, Kaukauna, WI
Kaukauna New Municipal Center City, Police & Fire New Facilities
Madison Children's Museum, Renovation for Adaptive Reuse
Milwaukee County Zoo – multiple projects, Milwaukee, WI
Monona Terrace, Madison, WI
Mount Prospect Library Addition & Renovation, Mt. Prospect, IL
Myrick Hixon Ecopark Nature Center, LaCrosse, WI
Oconomowoc Auditorium, Oconomowoc, WI
Ozaukee County Taxi Garage, Port Washington, WI
Rec Plex, multiple projects, Pleasant Prairie, WI
Rock County Courthouse, Expansion and Parking Structure, Janesville, WI
Sharon Lynne Wilson Center for the Arts, Brookfield, WI
Sussex Hamilton Fine Arts Center, Sussex, WI
The Salvation Army Ray & Joan Kroc Corps Community Center, Green Bay, WI
Twin Lakes Police Department, Twin Lakes, WI
Vilas County Courthouse, Expansion Study, Eagle River, WI
Washington County Jail Expansion, West Bend, WI
Waukesha County, Administration Building, Waukesha, WI
Waukesha Fire Station #1, Waukesha, WI

Key Structural Staff

Scott J. Ginal, P.E., S.E.
Director of Structural Services



Scott has more than 15 years of structural design experience. He has provided structural design services for state and local government projects, including the U.S. Veterans Administration, U.S. Fish & Wildlife Service, Wisconsin Department of Transportation, county highway departments, and municipalities, as well as private sector clients including developers, architects and owners. His expertise includes the design of bridges, retaining structures, wastewater treatment facilities and buildings.

Steven Roloff, P.E., LEED® AP
Structural Group Leader



Steven has more than 32 years of experience in structural engineering. He has served in leadership roles on a broad spectrum of building projects, including health care facilities, parking structures, industrial buildings, schools, government buildings, corporate headquarters, office buildings, residential complexes and correctional facilities. Steven has expertise in the planning and designing of structures with an emphasis on durability in northern climates and developing cost-effective solutions to technically challenging opportunities.

Robert Ray, P.E.
Senior Structural Engineer



Robert combines his architectural design and structural engineering background with his experience in project management to deliver high-performing facilities for health care organizations. With more than 40 years in the industry, Robert is experienced in designing a wide variety of building types including health care facilities, research labs, corporate headquarters, and office and commercial buildings. He also offers significant

experience providing project management and coordination for large, complex health care projects involving multiple professional disciplines.

Wayne Vandenberg, P.E.
Project Manager



Wayne has more than 29 years of structural design experience as a project manager and senior structural engineer. He has provided structural design services in the education, health care, civic, municipal, commercial and adaptive reuse markets. He has led project teams as both lead structural engineer and project manager. He is active in the Structural Engineers Association of Wisconsin, serving as the Legislative Committee Chair.

Carl L. Samppala, P.E.
Senior Structural Engineer



Carl is experienced in the design of structural steel, reinforced and post-tensioned concrete, precast and pre-stressed concrete, and masonry and timber construction. He has been directly involved in the structural design of building types, including health care facilities, government buildings, office buildings and sanitary structures. Additionally, he has been directly involved in the design of precast components and their connections. Carl has also been involved in the analysis and refurbishing of existing structures.

Key Structural Staff

David M. Boldt, P.E. Structural Engineer



David is a structural engineer with a wide-ranging background in problem solving for both new and existing facilities. Prior to becoming a part of the raSmith team, David performed numerous assessments of existing buildings and parking structures, with specific attention to the condition of concrete, masonry, roofing, cladding, and waterproofing components. David also has experience with the development of specifications and drawings for repair and restoration projects, as well as contract administration services. He has obtained the Certified Construction Contract Administrator (CCCA) certification from the Construction Specifications Institute (CSI).

managing internal budgets; scheduling and coordinating project team assignments; and project communication and documentation.

Jeffrey P. Derra, P.E., LEED® AP Structural Engineer



With nearly 15 years of experience as a structural engineer, Jeff has worked on a variety of building types. As our in-house light-gauge steel expert, Jeff also specializes in the design of steel and wood-framed structures. Jeff has experience in a wide variety of building types, including cinemas, office buildings, education, long-term care, higher education, housing and hospitality projects.

John Burgan, P.E. Structural Business Development Manager



John has more than 30 years of structural design experience as a senior project manager and senior structural engineer. He has provided structural design services in the health care, commercial, retail, civic, industrial, higher education, and municipal markets. As a senior project manager, he has led teams on small- and large-scale projects with responsibilities that include managing the client's budget, schedule and program;