January 15, 2020

Planning, Design and Construction
Infrastructure Planning and Facilities
1147 Chestnut, Room 101
East Lansing, MI 48824-1215

Re: Multicultural Center Feasibility Study

Dear Selection Committee,

Our interdisciplinary team is pleased to submit our proposal to provide consulting and design services to the Michigan State University. The vision of the university offers an exciting new model of innovation for a Multi-Cultural Center at MSU. The center will promote many of the goals and mission of the university to be a truly diverse, inclusive and equitable learning environment.

Our team is inspired by the scope and vision driving Michigan State University. Our experience as both architects and engineers with diverse minority representation matches our enthusiasm with an understanding that in order to fulfill the vision for MSU, we must orchestrate a design process that extends beyond the scope of services of a conventional architectural project. Responding to the full aspirations of your vision (and addressing its implicit challenges) calls for something more than an off-the-shelf architecture solution. We propose an ambitious, innovative, research-design approach. Through this approach, we will revisit the programming phase of the project, and will embark on a research and fact-finding phase engaging with students and stakeholders that will allow us to fully develop spatial and material strategies to embody the pedagogical ideas within the vision for the School, from initial ideation to detailed implementation. Our process will also provide the opportunity to develop our design solution through the ongoing input of stakeholders to develop expansive, inviting, and exceptional environments. We truly believe that our proposal articulates a process that matches the ambition and vision for the Michigan State University, and one that optimizes the unique strengths and contributions of our team.

To reimagine the spatial and civic organization of an educational institution, we have assembled a team with a breadth of relevant expertise. Our core collaboration brings together Hamilton Anderson Associates with Moody Nolan (from Columbus Ohio). Both offices, working together, boast a reputable track record for delivering educational and urban projects with the robust capacities for stakeholder engagement, design iteration, feasibility analysis, and documentation. The team also includes: Desai Nasr/IMEG for structural engineering; PBA Associates for MEP engineering; and Stephen Kirk Associates for cost modelling and assessment. The team members we have brought to you have fluidity as we have worked together for years on various projects and will contribute expertise in sustainable design and connectivity to the overall design effort.

Our team is brought together by a conviction that cultural acuity, adaptability, and programmatic innovation are critical to creating a sense of joy, liberation, and belonging in academic institutions. We are delighted to present our expression of interest, and very much hope to be able to work with you on this exciting and challenging project.

Sincerely,

Rainy Hamilton, Jr. FAIA, NOMA
FIRM OVERVIEW

Hamilton Anderson Associates (HAA) is an award-winning, multi-disciplinary design firm dedicated to improving the built environment through creative, contemporary design. Our design process combines rigorous analysis, intuitive curiosity, and thoughtful execution to create inspiring, contextually responsive solutions. Our legacy in the architecture community and repeated display of design excellence led us to receive the Architecture Firm of the Year award from the American Institute of Architect’s Michigan Chapter (AIAMI) in 2019.

Our diversity in background, education, and professional experience is blended with solid experience working on projects ranging from small scale city parks to technologically sophisticated new arts high schools, regional master plans, corporate interiors, and multi-million dollar urban design plans. We are not afraid of risk, but rather believers in the merit of well-informed, broad professional experience — when that brought together — will inform the basis of superior design.

1. THE HAMILTON ANDERSON PHILOSOPHY

Good design evolves from what is contextually important for the campus and our clients. We acknowledge tradition, address current needs and express forward thinking concepts to create spaces and amenities that are universally embraced and timeless. Our interdisciplinary process to learning space design is participatory, collaborative, engaging and centered around building consensus.

PARTICIPATORY

We believe broad participation and diverse viewpoints lead to the best outcomes. We will encourage participation by leadership, faculty, and students to create a plan that is implementable, functional, and reflective of the University’s needs. Our Workshop/Charette Process provides avenue for all stakeholders to deliberate input into the development of the program statement including discussions of mission and vision for the project. Through several facilitated meetings we define, document, and explore ways to meet the mission and vision for the project.

ENGAGING

We have the capability to employ highly interactive tools through our design process, such as physical models, interactive digital imagery, and animated walk-throughs to communicate design options and bring the best design to life. We also employ our methodology of Cost, Program and Quality Modeling where the cost for the project is developed in real-time so that alternative solutions can be explored while understanding the total project costs. This process was utilized for the MSU Wells Hall Project (HAA-IAG). Through a series of workshops that included Cost, Program and Quality Modeling, a solution was crafted that met complex program requirements including temporary use of the existing building during construction. Working collaborative with the entire design team, including the construction manager, the project was successful including new collaborative workspace which minimized small private offices.

CONSENSUS

Being heard is often a key concern for stakeholders. HAA excels at building consensus and ensuring communication leads to clear expectations among parties. We provide a safe environment for all vested decision makers to voice ideas and engage in healthy, engaging conversations to reach consensus.

COLLABORATION

HAA’s methodology emphasizes collaboration with the client, stakeholder and allied professionals. It is responsive to all constituents of the plan, defined by strategies that set the vision and roles that are shared with the client team. We place high importance on dialogue about the goals, visions and intentions. We want a process as open and transparent as possible, to clarify priorities and build consensus.

MICHIGAN STATE UNIVERSITY

WAYNE STATE UNIVERSITY

SHRINE OF THE BLACK MADONNA

FIRM INFORMATION

Hamilton Anderson Associates, Inc.
1435 Randolph Street, Suite 200
Detroit, MI 48226

YEAR ESTABLISHED

1990

PRINCIPAL/OWNER

Rainy Hamilton, Jr. FAIA, NOMA

Certified Minority Business Enterprise (MBE)

TYPE OF ORGANIZATION

S-Corporation

FEDERAL ID # 38-1393028

SERVICES

Architecture
Interior Design
Landscape Architecture
Urban Planning

COMPANY SIZE

32 personnel
Administrative______________ 5
Architects_________________ 18
Interior Designers__________ 2
Landscape Architects______ 4
Project Managers___________ 3

COMPANY REPRESENTATIVE

Rainy Hamilton, Jr. FAIA, NOMA
hamilton@hamilton-anderson.com

PROFESSIONAL LIABILITY INSURANCE

Professional Liability Insurance Limit: $5 Million Dollars

DESIGN TEAM

Architecture | Interior Design
Rainy Hamilton, Jr. FAIA, NOMA
Principal-in-Charge

Dallmarion Carter
Project Director/Sr. Project Manager

AhlanJaafar
Director of Interior Design

Aliqur Rahman
Architect

WAYNE STATE UNIVERSITY

School of Social Work

Detroit, MI

The Wayne State University School of Social Work’s mission is to transmit, develop, critically examine, and apply knowledge to advance social work practice and social welfare policy in order to promote social, cultural and economic justice for the betterment of poor, vulnerable, and oppressed individuals, families, groups, communities, organizations, and society. Hamilton Anderson worked with Wayne State University to facilitate these key values by efficiently converting an existing day care facility into a new home for the Department. The design successfully transforms the building into a dynamic learning space with natural light and new amenities.

WAYNE STATE UNIVERSITY

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SHRINE OF THE BLACK MADONNA

Cultural Center

Detroit, MI

The Shrine of the Black Madonna of the Pan African Orthodox Christian Church engaged Hamilton Anderson in the redesign of their cultural center and bookstore. HAA has helped the Shrine of the Black Madonna determine the vision of their cultural center and bookstore by engaging with their congregation and board members, holding community engagement sessions, and creating presentations to acquire funding.

MICHIGAN STATE UNIVERSITY

Wells Hall

East Lansing, MI

Hamilton Anderson Associates collaborated on a team to program and design a new academic building for Michigan State University. MSU desired to replace Morrill Hall located at their main East Lansing campus. The project involved demolition of the existing Morrill Hall, the construction of a new replacement facility and additional renovation space that includes office space, classroom facilities and programs of various academic departments. As lead architect and landscape architect, HAA created a new state-of-the-art facility and classroom building to foster advanced, interactive learning and the open, collaborative exchange of ideas.

WELLSD HALL

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THE MOODY NOLAN PHILOSOPHY

RESPONSIVE ARCHITECTURE

One of our distinguishing qualities is our embracement of responsive architecture, a process that requires creative minds to listen intently, analyze effectively and deliver innovative, functional and aesthetically pleasing facilities while addressing clients’ programs, budgets and scheduling needs. Early in our firm’s history, we determined that this best-practice approach to satisfying our clients needed to be a firm-wide strategy. By providing multiple ideas, listening and working collaboratively with our clients, we create effective, custom solutions for each unique site, program and community.

AWARDS AND RECOGNITION

We consider every project to be an opportunity. To rise above the norm. To move the design conversation to new places. To create spaces that are memorable not just for a moment, but forever. We consider every project to be an opportunity. To rise above the norm. To move the design conversation to new places. To create spaces that are memorable not just for a moment, but forever.

SUSTAINABLE DESIGN

Concerns with sustainable, or even regenerative, design (“beyond green”) have become a significant priority for today’s design citations, including 48 awards from the American Institute of Architects and 44 from the National Organization for Minority Architects.

THE OHIO STATE UNIVERSITY

Frank W. Hale, Jr. Black Cultural Center
Columbus, OH

When the Cultural Center officially opened in 1989, the building was named in honor of a tireless mentor and civil rights crusader who fought to increase opportunities for minority students at the University. Moody Nolan originally served as interior design consultant and construction administrator. In 2019, Moody Nolan was commissioned to begin an expansion and optimization study. Currently underway, the project’s goals are to create special improvements to enhance user experience, maintain the identity of the Cultural Center while allowing for equitable growth, promote inclusion through interdisciplinary educational and social environments, and provide versatile, active learning environments that foster educational and research opportunities for the students, faculty, alumni, and community.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Cultural, Ethnic & Gender / Women’s Studies Building
Urbana-Champaign, IL

Moody Nolan collaborated on a team to provide a comprehensive feasibility study and development plan. The design is layered from public to private spaces with a large, flexible lobby, classrooms and multipurpose rooms on the ground floor; a social lounge and cultural centers on the middle floors; and quieter, more private spaces on the upper levels. The building is organized by a series of interlocking spaces, which weave together the different program elements. This interlocking is also expressed on the exterior as a series of projecting bays that provide expansive views of the campus. Each bay identifies a cultural center or academic unit. Outdoor terraces at the second and fifth floors provide flexible social spaces and several of the projecting bays include balconies overlooking the campus. There is a vegetated green roof that will provide habitat for a wide variety of birds and butterflies as well as keep the roof cool.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Bishop Joseph Johnson Black Cultural Center
Nashville, TN

Moody Nolan was selected as consulting architect to Tuck-Hinton Architects for the Paul Robeson Cultural Center. The facility is divided into three floors in order to participate with the Penn State University Student Center, called H.U.B. The first floor is dedicated as an African American art gallery. The second floor houses the Paul Robeson administrative staff, seven groups of international students, offices, and the library. The third floor, also known as the multipurpose floor, can be used as a ballroom, lecture hall, film festival or musical performance theater, and banquet halls.

PENN STATE UNIVERSITY

Paul Robeson Cultural Center
University Park, PA

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Moody Nolan is much more than an architecture firm. At heart, we’re entrepreneurs. We adapt our talents quickly to address each client’s unique vision. In doing so, we create functional yet iconic design statements that respond to ever-evolving spaces, aesthetics and site dynamics. Simply put, spaces that perform and inspire.

Our firm designs more than $1 billion of building construction each year. As the largest African American owned and managed design firm in the country, we maintain a strong commitment to diversity in our staff, as well as in our approach to solving client problems. Our expertise in a broad range of industries allows us to think innovatively and design solutions that are responsive to client needs.

As creative problem solvers, we meet you where you are, giving every client access to the right people and thinking, at just the right time. Headquartered in Columbus, Ohio, we have offices in Atlanta, Boston, Chicago, Cincinnati, Cleveland, Covington, Dallas, Houston, Nashville, New York City and Washington, DC.

Moody Nolan
300 Spruce Street, Suite 300
Columbus, OH | 614-461-4664

THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

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Urbana-Champaign, IL

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MICHIGAN STATE UNIVERSITY

RELEVANT EXPERIENCE

University of Detroit Mercy Student Center
Detroit, MI

Shrine of the Black Madonna Cultural Center
Detroit, MI

Wayne State University School of Social Work
Detroit, MI

RAINY HAMILTON, JR., FIAA, NOMA
CO-PRINCIPAL-IN-CHARGE

DAMARLON CARTER, AIA, NCARB, BDI
PROJECT DIRECTOR/PP. PROJECT MANAGER

ALHAN JAAFAAR, NCIDQ
DIRECTOR OF INTERIOR DESIGN

ATIQUH RAHMAN, NCARB
ARCHITECT

MIGUEL GONZALEZ, LEED AP BD+C
DESIGNER

EARL LEE
INDUSTRIAL & EXPERIENTIAL DESIGNER

ATIQUR RAHMAN, NCARB
ARCHITECT

MIGUEL GONZALEZ, LEED AP BD+C
DESIGNER

EARL LEE
INDUSTRIAL & EXPERIENTIAL DESIGNER

MOODY NOLAN
ARCHITECTURE | EXPERIENTIAL DESIGN

DESIGNER

MOODY NOLAN
ARCHITECTURE | INTERIOR DESIGN

PETER BASSO ASSOCIATES
MECHANICAL, ELECTRICAL, PLUMBING

DESIGN ASSOCIATE/NASR NOW IMEG STRUCTURAL ENGINEER

STEVE KIRK
COST ESTIMATOR

Rainy Hamilton, Jr. has a comprehensive understanding of the design industry and has built a practice that has accomplished national, award-winning designs. Rainy has a keen ability to quickly develop design solutions, organize and solve complex issues and craft solutions that are environmentally responsible and financially feasible. Known as a client-focused professional who recognizes the importance of effective communication, Rainy provides leadership and organization for complex, multi-phased, multi-million dollar projects for urban and campus sites.

RELEVANT EXPERIENCE

Michigan State University Weits Hall
East Lansing, MI

Shrine of the Black Madonna Cultural Center
Detroit, MI

Wayne State University School of Social Work
Detroit, MI

Specializing in adaptive reuse and implementation strategies, DaMarlon has spent the last 17 years serving as senior project manager, studio leader, and ultimately studio principal while leading a multi-disciplinary design studio focused on service and specialty retail in California. DaMarlon brings a keen sense of design coupled with highly successful management and organizational expertise. These skills have proven results with national and international clients alike, where project execution is paramount.

RELEVANT EXPERIENCE

University of Detroit Mercy Student Center
Detroit, MI

Shrine of the Black Madonna Cultural Center
Detroit, MI

Starting her career in New York City, Alhan Jaafar designed and managed luxury residential and commercial projects from creation to staging completed spaces. She has taken her experiences in one of the most urbanistic cities and applied them to the emerging growth of Detroit. Alhan’s depth of experience facilitates a balance between function and aesthetics while giving close consideration to clients’ needs during development. Her design philosophies and processes lead to successful projects which capture the mission of the new space with a fresh, creative and visionary eye.

RELEVANT EXPERIENCE

Shrine of the Black Madonna Cultural Center
Detroit, MI

The Hamilton on Davenport
Detroit, MI

Atiqur’s passion for architecture grew from the idea of making a difference in society. Through this passion, he found the medium that allowed an immediate physical impact on the built environment. Atiqur developed a strong understanding of BIM and its usage on projects. His exceptional understanding of BIM gave him the ability to quickly identify and solve complex issues on multi-million dollar projects. He was able to utilize the resources and progressive technology (such as BIM) to design and build solutions that allow architects to maintain responsibilities to clients, communities and the environment.

RELEVANT EXPERIENCE

University of Illinois at Urbana-Champaign Cultural, Ethnic & Gender/Women’s Studies Building

University of Nebraska-Lincoln Jackie D. Gaughan Multicultural Center

Miguel has more than 25 years of experience in various facets of the architectural field with a focus on the design, coordination and administration of residential, higher education, hospitality, commercial, mixed-use and interior projects. His working experience abroad has allowed Miguel to bring a unique, culturally diverse perspective to his work. His design leadership, thoroughness and attention to detail have resulted in award-winning projects.

RELEVANT EXPERIENCE

Northwestern University, The Black House

City of Charleston International African American Museum

Jonathan has more than 12 years of high-end design experience focused on integrating digital fabrication and social engagement into the design process. He approaches design with an overall goal of having a major positive impact on communities in need. For Jonathan, architecture is a medium through which people can be connected and inspired by giving tangible being into ideas. Over the last several years, he has passionately devoted himself to community service through mentoring and education programs focused on developing young men.

RELEVANT EXPERIENCE

Northwestern University The Black House

City of Charleston International African American Museum

Charleston, SC

Earl brings more than 20 years of experience to the project team. His understanding of the first details of design and technology as it relates to the built environment and how a brand plays out from its identity to signage and wayfinding add value to each and every collaborative team. Earl’s strategic approach and utmost attention to detail have helped ensure that design solutions can be both innovative and cost effective.

RELEVANT EXPERIENCE

Northwestern University The Black House

City of Charleston International African American Museum

Charleston, SC

Jonathan Moody | 300 Spruce Street, Suite 300, Columbus, OH | 614-461-4664

Hamilton Anderson | 1435 Randolph Street, Suite 200, Detroit, MI | 313-964-0270
HAMILTON ANDERSON RESPONSE

1. Please reference Hamilton Anderson's Firm Overview page.

2. Hamilton Anderson is committed to meeting MSU's construction standards. As we develop the project, the school should not consider deviations, as we present all pertinent and relevant data for discussion and consideration. Only with approval of the program and the standards from the standards body can we proceed.

MOODY NOLAN RESPONSE

1. What makes Moody Nolan unique is our approach to design. We use the phrase, “Responsive Architecture” because we design “your building.” We respond to feedback provided and create a unique facility that responds to Community input while meeting the programmatic and educational philosophy of the District.

We propose innovative, engaging Community Engagement Sessions (CES) for your feasibility study. These sessions are currently envisioned as conversations involving stakeholders to discuss:

1. Explain the feasibility process.
2. Present a range of potential solutions and gather input on the same.
3. Present a refined range of solutions and gather input on the same.
4. Present a further refined range of solutions and gather input on the same.
5. Present a further refined range of solutions and gather input on the same.

The general intent of these Community Engagement Sessions is to review the established vision driving the master plan, highlight findings and issues at each building, and thoughtfully articulate a range of possible solutions (all vetted in advance with the Facilities Committee). Information will be gathered that will inform the next round of solutions. This information gathering may be both “analogue” and “digital.” Analogue may be as simple as “put your color dot on the solution you think most appropriate” whereas digital may be done via any number of available phone applications such as PollEverywhere, mQlicker or polltogo. This will allow for participants to engage in a way and to also see immediate results which can be discussed and vetted. Should the members decide after that discussion that the evaluation poll be responded to again, this is easily accomplished.

In the case of the UIUC, design workshops were held with Executive and Steering Committee members to gather diversity in viewpoint and to afford administrators, faculty and cultural center directors the opportunity to hear from one another, foster a dialogue on behalf of the client. Culturally satiated design teams begin a comprehensive understanding of how each fit into the whole. Workshops were themed, each building upon the previous to develop consensus among participants. A student-focused engagement was also conducted, with design concepts presented for feedback, along with discussion of environmental sustainability.

The design team explored multiple conceptual schemes, to develop what we call a “Nine Square”. The Nine Square process examines nine unique, intentionally-diverse design approaches with hierarchical dialogue surrounding each. Key to this process is that none of the ideas are ‘final’ designs, nor are they intended to be evaluated in isolation from the others. Instead, the notion is that each concept will bring to light within itself and the others both merit and drawback, and in doing so, provide invaluable guidance to both stakeholders and the design team. The Nine Square scheme were evaluated with the various stakeholder groups in a design workshop, in order to distill these ideas into three schemes which were explored in more depth. A subsequent design workshop built upon the lessons learned from the previous and gave participants the option to continue and shift ideas. This process continues with multiple workshops.

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For the UIUC project, the design team examined both the immediate site surroundings, and an entirely-complex project for Minority Architects. However, it is important to note that none of the ideas are ‘final’ designs, nor are they intended to be evaluated in isolation from the others. Instead, the notion is that each concept will bring to light within itself and the others both merit and drawback, and in doing so, provide invaluable guidance to both stakeholders and the design team. The Nine Square schemes were evaluated with the various stakeholder groups in a design workshop, in order to distill these ideas into three schemes which were explored in more depth. A subsequent design workshop built upon the lessons learned from the previous and gave participants the option to continue and shift ideas. This process continues with multiple workshops.

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MICHIGAN STATE UNIVERSITY MULTICULTURAL CENTER-FEASIBILITY STUDY
CP19101 | JANUARY 15, 2020

ABOUT THE FIRM
Recognized as a leader in mechanical/electrical/plumbing (MEP) engineering, Peter Basso Associates (PBA) is at the forefront of the application of new technology. Our engineers focus on building systems solutions that pay returns over the life of the facility, balancing performance with cost.

SERVICES
Engineering design services are provided during design, construction and operations and include: Mechanical Engineering, Electrical Engineering, Energy Management Services, Commissioning, Communication Technologies Design, and Architectural Lighting Design through Illuminart, our lighting division.

PROJECT PORTFOLIO
The firm is organized to serve four key market sectors: Commercial & Governmental Buildings, K-12 Schools, Higher Education and Healthcare/Laboratories, with MEP systems being designed for a broad range of facility types.

TECHNICAL CAPABILITIES
Engineering designs are produced using current versions of Autodesk AutoCAD MEP and Autodesk Revit MEP, as we lead the industry in our use of Building Information Modeling technology for mechanical and electrical design. New technology – whether it is hardware, software, or methodology – is analyzed and integrated into our design process on an on-going basis.

A BRIEF HISTORY
When Peter Basso Associates was founded in 1990, a small staff provided only mechanical engineering services until electrical engineering services were added in 1991. In 2002, PBA became 100% employee-owned through an Employee Stock Ownership Plan. Being a company of owners means that everyone involved with a project literally has a vested interest in its successful outcome.

Today our staff of 113 provides comprehensive services. From the inception of the firm to today, the commitment to excellence in engineering and personal attention to clients has remained a core value of the firm.

FIRM INFORMATION
(Headquarters)
5145 Livernois, Suite 100
Troy, MI 48098
T (248) 879.0666
F (248) 879.0007

2001 Commonwealth, Suite 203
Ann Arbor, MI 48105
T (734) 913.4749
F (734) 913.4957

YEAR ESTABLISHED
1990

SERVICES
PBA provides MEP engineering services during design, construction and operations including:
• Mechanical Engineering
• Electrical Engineering
• Energy Management
• LEED® Design/Documentation
• Commissioning, Retro-Cx
• Communication Technologies
• Architectural Lighting Design by Illuminart, a division of PBA

COMPANY SIZE
113 Employees including:
64 Engineers (24 registered)
16 Designers
10 CAD Specialists
15 LEED Accredited Professionals
11 Administrative Support
6 Lighting Designers (4 Certified)
4 Certified Plumbing Designers
2 Certified Energy Managers
2 Certified Cx Professionals
1 Certified Construction Specifier
6 College Interns

SAGINAW CHIPPEWA INDIAN TRIBE
Zibbiiwing Center of Anishinabe Culture & Lifeways
Mount Pleasant, MI

Opened in the spring of 2004, the 32,000 sq. ft. center is dedicated to the Anishinabe culture and lifeways and houses a permanent exhibit, temporary exhibit, research center, meeting and conference facilities, cafe, and gift shop. PBA provided mechanical, electrical and plumbing engineering services for the new facility for schematic design through construction administration. The center has a state-of-the-art research center, temporary exhibition space, and a 9,000-square-foot permanent exhibit. It houses Tribal artifacts, educational resources that are presented and preserved in "their" way.

 design is produced using current versions of Autodesk AutoCAD MEP and Autodesk Revit MEP, as we lead the industry in our use of Building Information Modeling technology for mechanical and electrical design. New technology – whether it is hardware, software, or methodology – is analyzed and integrated into our design process on an on-going basis.

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FERRIS STATE UNIVERSITY
University Center Renovations
Big Rapids, MI

FSU was interested in significantly upgrading its existing student center into an iconic architectural showpiece that would serve as a recruitment tool for incoming students as well as a gathering space by providing comfortable places to meet, relax, study and socialize. PBA provided MEP engineering and lighting design services to upgrade existing systems with energy efficient systems that met the programmatic requirements and reduced operational and maintenance costs. Mechanical implementations included adding a new 450-ton water cooled chiller was also provided to generate chilled water. A direct digital control (DDC) system was additionally provided to monitor, control, and optimize the operation of the HVAC systems in the building. A fully automatic well pipe sprinkler system was also provided throughout the entire building.

The project achieved LEED Silver certification.

FERRIS STATE UNIVERSITY
University Center Renovations
Big Rapids, MI

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JOSEPH SEIDL, P.E.
VICE PRESIDENT/LEAD MECHANICAL ENGINEER

Serving as Lead Mechanical Engineer, Joe is responsible for the planning and design of the mechanical systems for this project. During his more than 16 years of project experience, Joe has developed a strong technical background in complex mechanical systems including, chiller and boiler plants, research and teaching laboratories, vivarium, and recreation and aquatics buildings, with an emphasis on higher education facilities. Joe works in collaboration with architects, building owners and facilities personnel to provide engineering solutions that work with the building architecture, and to provide energy-efficient, reliable and easily maintainable mechanical systems to meet the owners’ and building occupant’s needs.

RELEVANT EXPERIENCE
Michigan State University North Neighborhood Housing Study
East Lansing, MI

Michigan State University Butterfield Hall Renovation
East Lansing, MI

Michigan State University Music Building Addition and Renovation
East Lansing, MI

TERRENCE CLEIS, JR., P.E., LEED AP
PRINCIPAL/LEAD ELECTRICAL ENGINEER

Serving as Lead Electrical Engineer, Terry is responsible for the electrical systems engineering design and management of all phases of a project from initial design through construction administration. Terry’s experience includes design of primary and secondary power distribution systems for high-, medium- and low-voltage systems; lighting design; fire alarm systems; security systems; telecommunication systems; emergency power systems; and hazardous area systems. He has also been involved in the development of short circuit analysis and coordination studies for institutional, commercial and industrial facilities. From his nearly 30 years of project work, Terry brings extensive experience in the areas of healthcare, corporate, higher education, manufacturing and automotive facility design.

RELEVANT EXPERIENCE
Ferris State University Office of Multicultural Student Services
Big Rapids, MI

Saginaw Valley State University Student Center Renovation
University Center, MI

Michigan State University School of Business Expansion Study
East Lansing, MI
MICHIGAN STATE UNIVERSITY MULTICULTURAL CENTER-FEASIBILITY STUDY

CP19101 | JANUARY 15, 2020

ORGANIZATION
Desai/Nasr now IMEG – formerly Desai/Nasr Consulting Engineers, Inc. – and Jay Desai Consulting Engineers, Inc. – has been serving the Architectural Industry since 1980.

Desai/Nasr now IMEG is one of the Detroit area’s largest structural engineering firms offering comprehensive structural engineering services including condition assessments, building code investigations, foundation systems, vibration analysis, special structural investigations, value engineering, structural analysis and design, failure investigations, equipment foundations, finite element analysis, shoring and bracing design, fabrication and erection studies, glass and glazing design, forensic engineering and expert witness testimony.

DESIGN PHILOSOPHY
Our service and design philosophy is to utilize leading edge technology to develop the optimal design solutions for each project. We strive to provide innovative and cost-effective solutions for exceptional designs. The principals of the firm stay involved in each project from inception to completion to assure product quality through leadership, technical expertise, consciousness for budget and schedule and coordination with other disciplines.

Desai/Nasr now IMEG applies Building Information Modeling (BIM) to optimize design, increase coordination between design disciplines, increase contractor understanding of design requirements and reduce costly field modifications due to unforeseen conflicts between design disciplines requirements.

OUR CLIENTS
Consulting Mechanical, Electrical and Civil Engineers
General and Specialty Contractors
Construction Managers
Developers
Facilities Management Groups
Design/Build Teams
Insurance Companies

REGISTRATIONS
USA

WORLDWIDE
Canada, Egypt, India

FIRM INFORMATION
6765 Daly Road, West Bloomfield, MI 48322

YEAR ESTABLISHED
1980

SERVICES
• Condition Assessments
• Building Code Investigations
• Structural Analysis & Design
• Special Structural Investigations
• Structural Vibration Analysis
• Equipment Foundations
• Finite Element Analysis
• Shoring & Bracing Design
• Failure Investigations
• Value Engineering
• Fabrication & Erection Studies
• Forensic Engineering
• Expert Witness Testimony
• Due Diligence Studies
• Peer Review
• Restoration & Repairs
• Glazing Design

COMPANY SIZE
25 personnel
17 Structural Engineers (11 Registered Professional Engineers)
5 AutoCAD / REVIT Drafters
3 Administrative Professionals

WAYNE STATE UNIVERSITY
Student Services Building
Detroit, MI

The newly renovated Student Center at Wayne State University located in Detroit, Michigan provides students with a new center of campus, providing venues for student learning with state of the art facilities and services. The renovated 40-year-old Student Center includes student organization and leadership collaboration spaces; modern meeting, conference and banquet facilities; a new food court and additional dining locations; and new recreation and gaming areas. A new atrium on the south end of the building provides light and additional space and a new ballroom for large-scale university events. Increased square footage provides more locations for students to study and engage. Exterior work saves operational costs by improving efficiency and updates the building aesthetics. The project also included the expansion and renovation of the Student Veteran Resource Center which provides 3,000 SF of space to assist veteran students as they transition from military service to civilian life and higher education.

ATHANACIOS NASR, PhD, PE, SECB
MANAGING PRINCIPAL/PROJECT EXECUTIVE

Nasr is currently Managing Principal/Project Executive with Desai/Nasr now IMEG. Nasr’s work experience includes geotechnical engineering, structural hydraulic construction engineering, special foundation design, noise and vibration control. Project types extend from office buildings, school and hospital buildings, hotels and convention centers, shopping centers, housing and educational facilities; religious facilities; sports and recreation facilities; to industrial complexes such as auto and semiconductor facilities; as well as major renovations and structural investigations and legal expert witness. Personal responsibilities for the structural engineering projects extend from schematic phases, preparation of construction documents to construction phases and field supervision.

RELEVANT EXPERIENCE
Wayne State University Student Center Renovations
Detroit, MI

Michigan State University Spartan Village
East Lansing, MI

FERRIS STATE UNIVERSITY
University Center Renovations
Big Rapids, MI

The Building Program consists of design for new construction and major renovation of existing construction for an expanded three-story existing student center building. Significant demolition of the existing building is proposed, and includes full demolition of some existing building areas, demolition (and replacement) of roof only in select areas, demolition (and replacement) of floor in select areas. A new high roof, identified as “Street Roof” is proposed which will transverse both the areas of the new construction and a part of the existing building. Construction of this “Street Roof”, and part of the new roof (to replace the existing roof) along the north edge of the building will require interface with the existing roof in this area - which is proposed to remain.

LISA BUTZLAFF PE
PRINCIPAL STRUCTURAL ENGINEER

Butzlaff is licensed in the state of Michigan as a professional engineer. She has been with Desai/Nasr now IMEG since December, 2012, as structural engineer. She was previously employed by Penhale & Yates, Inc. in Southfield, as Structural Engineer. Lisa is responsible for the analysis and design of building structures, including building renovations as well as new structures. Additional responsibilities include review or analysis of structural elements or components for construction projects. Most of the design work done is with buildings and facilities as the main building elements. Associated responsibilities include computer assisted model generation, construction administration. Project types include mainly institutional, educational, office, retail and industrial.

RELEVANT EXPERIENCE
Ferris State University University Center Renovation
Big Rapids, MI

Michigan State University Spartan Village
East Lansing, MI

Michigan State University Abrams Planetarium Addition
East Lansing, MI
ABOUT STEVE KIRK

Stephen J. Kirk has a diversified background in facility economics, cost estimating & pro forma analysis, life cycle costing, value analysis, choosing by advantages (CBA), sustainability, quality assurance/quality control (QA/QC), executive training, architectural design, management of value & cost programs, project planning, and design & construction management. Dr. Kirk’s experience includes university facilities & campuses, museums, fine and performing arts facilities, visitor centers, schools, housing, criminal justice facilities, hospitals, clinical labs, Native American projects, university facilities, parks, courthouses, offices, laboratories, retail, financial institutions, industrial, environmental and transportation facilities. Dr. Kirk has personally led over 400 Value Analysis studies for private industry and government agencies both nationally and internationally.

He is the author of eight books on Value Analysis/life cycle costing/ facility economics:
- Life Cycle Costing for Facilities (R.S. Means 2003);

Dr. Kirk has also taught value & cost management courses at Harvard University, Catholic University, University of Michigan, Lawrence Technology University, University of Detroit and King Saud University.

RELEVANT EXPERIENCE

- Education Building (Classes & Offices), Central Michigan University, Cost Estimating, Mt. Pleasant, MI
- Engineering Research Building, University of Cincinnati, Two VE Studies, Value Analysis, Cincinnati, Ohio
- Medical Sciences Complex, Addition & Renovation, University of Cincinnati, Facility Economics & Value Analysis/ LEED Studies, Cincinnati, Ohio
- The City + The Arch + The River 2015 Masterplan, Value Analysis / CBA / Life Cycle Costing Studies (3), Jefferson National Expansion Memorial, Missouri
- Engineering Research Building, University of Cincinnati, Two VE Studies, VE Team Leader/ Architect, Cincinnati, Ohio
- Aerospace Engineering Research Center, University of Michigan, Value Engineering Study, Ann Arbor, Michigan

FIRM INFORMATION

West Office
3007 North 156th Drive
Goodyear, AZ 85339

Midwest Office
675 Spruce Hill Lane
Ortonville, MI 48462

YEAR ESTABLISHED
1996

PRINCIPAL/OWNER
Stephen J. Kirk, Ph.D., FAIA, FSAVE, CVS, LEED AP

PROFILE

WILLIAM MARSH ROGERS MEMORIAL CENTER
Wayne State University
Kirk Value Planners provided Cost Modeling services, a Value Based Design Workshop, and a Pro Forma Analysis for this project.

WESTERN MICHIGAN UNIVERSITY

School of Business
Kalamazoo, MI

The new School of Business is WSU’s first newly constructed project outside of the university’s Midtown campus. The new four-story building is roughly 120,000 square feet and includes:
- A finance and data analytics lab that features an LED stock ticker, interactive display wall and multiple Bloomberg terminals.
- An executive M.B.A. suite, a two-story atrium and space for a cafe and pop-up retail.
- A 260+ seat Lear Auditorium has state-of-the-art AV technology.
- Expanded tutoring, academic advising and career services spaces, including a full-service accounting lab and meeting rooms.

WAYNE STATE UNIVERSITY

Dormitory Complex
Detroit, MI

The Towers Residence Hall dining facility provides undergraduate students a cafe style setting for meals and studying. As part of the mixed use residence hall programming, the cafe resides on the first floor of the 936 bed Towers, offering dining and wireless internet access. Developed in association with Walbridge Aldinger, the project provided WSU complete design and documentation services for its new 305,457 GSF undergraduate residence and dining hall. Kirk Value Planners provided Cost Modeling services, a Value Based Design Workshop, and a Pro Forma Analysis for this project.