Institute Honors and Awards
Fellowship

THE AMERICAN INSTITUTE OF ARCHITECTS

2016 AIA Fellowship

Entry 130092

Nominee	Douglas C. Hanna
Organization	University of Michigan
Location	Ann Arbor, MI
Chapter	AIA Detroit

Category of Nomination

Category Four - Public Service

Summary Statement

Douglas C. Hanna, AIA, has dramatically influenced and guided the quality of the built environment at the University of Michigan, significantly improving the educational, research and healing experiences while making sustainability an undisputed standard.

Education

University of Michigan - Ann Arbor, MI 6 years Master of Architecture (MArch) & Bachelor of Architecture (BArch)

Licensed in: Michigan

Employment

University of Michigan - 1980 - Present (35 years)
Architecture Construction - 1979 (1 year)
MSI - 1978 (1 Year)
Darrin and Armstrong, Inc. - 1975-1978 (3 years)
American Engineering, Inc. - 1974 (1 Year)
Smith Hinchman & Grylls, Inc. -1972 (1 year)

Stephen Q. Whitney, FAIA

October 8, 2015

Re: Douglas C, Hanna, AIA

Diane Georgopulos, FAIA
Chair, 2016 Jury of Fellows
American Institute of Architects

Dear Ms. Georgopulos:

It is a great honor and privilege for me to sponsor the candidacy of Douglas C. Hanna, AIA, for elevation to Fellowship in the AIA.

Doug's career and mine have been intertwined since we first met in 1980 for the University of Michigan Replacement Hospital Project (RHP). I had been recruited by Albert Kahn Associates, Inc. to be Project Architect for the UM RHP. Doug was a standout on the team that the university had assembled to guide this, the largest single project ever undertaken by the State of Michigan. I say a standout because Doug brought uncommon logic, skill and creativity to this massive undertaking.

Upon completion of the RHP 6 years later, there were many subsequent projects with Doug over the next 20 years. As my roles in my firm evolved, I watched and participated in Doug's growth to become University Architect – the best University Architect to serve UM in the last 50 years. His unqualified fairness, coupled with toughness has made him extremely well respected at the UM, and just as importantly, with the architectural firms that he brought on board to work with him to achieve his vision.

Doug Hanna operates on the philosophy that Great Architecture is not only about buildings, but equally important is the space between buildings. Under his leadership, this has made the University of Michigan campus very special and truly memorable.

I had been a member of the AIA Michigan Health Facilities Seminar Planning Committee when we were looking for additional talent. Doug Hanna, AIA, with all of his national and international contacts, was a perfect fit. He has remained a vital part of that very successful committee and has consistently brought unique talent to the Michigan seminars as a result.

I strongly urge the 2016 AIA Jury of Fellows to endorse Douglas C. Hanna, AIA, for elevation to Fellowship.

Respectfully Submitted,

Stephen Q. Whitney, FAIA
Chairman Emeritus
Albert Kahn Associates, Inc.

SECTION 1 SUMMARY STATEMENT

NOMINEE

Douglas C. Hanna, AIA University Architect, The University of Michigan

SUMMARY STATEMENT

Douglas C. Hanna, AIA, has dramatically influenced and guided the quality of the built environment at the University of Michigan, significantly improving the educational, research and medical experiences while making sustainability an undisputed standard.

PROJECT FORMULATION AND DELIVERY

Through his direct hands-on involvement on more than **$5 billion** worth of building projects, **Douglas Hanna has positively influenced the lives of millions of individuals**. Chairing all interviews, he has **selected over one hundred design teams** for major Hanna-managed projects, employing the best possible talent with outcomes achieving his design vision for all the University of Michigan campuses. Many are award-winning projects and **three have received National AIA Honor Awards for Architecture in the last 10 years**. With his vast experience forming his solid sense of design principles (elaborated below), he has been able to enrich the sense of place at the University of Michigan in many respects. Currently, Doug Hanna is positively contributing to the lives of thousands of people through his ongoing efforts on 20 projects worth more than **$1.3 billion**.

ENVIRONMENTAL IMPACT

Douglas Hanna, AIA, positively influences the environment through many initiatives at the University of Michigan (UM). With numerous projects under Doug Hanna's leadership, and with a focus on minimizing negative environmental impact, Doug firmly enforces energy conservation, such as mandating teams achieve efficiencies **30% above** ASHRAE 2007 90.1 for all projects greater than $10 million and meeting requirements and certifying new construction projects greater than $10 million for Leadership in Environmental Energy and Design (LEED) efforts including:

- **Requiring LEED** certification scoring **for over 10 years** for all major projects
- **Requiring LEED Silver Level for over 7 years** for all new projects over $10 million
- **LEED Silver** certification **for $170 million** worth of construction
- LEED certification at Silver or higher is in process for nearly $800 million worth of construction
- **LEED Gold** certification **for $260 million** worth of construction
- **Leading** the design phase of the **first academic-oriented LEED Gold Renovation Project**

PROFESSIONAL INFLUENCE

More than any other Architect in the last half-century, Douglas Hanna, AIA, has been an outstanding leader for the built environment on his University of Michigan campuses through his contributions to the design or critique of thousands of projects over his professional career.

Beginning with his early involvement in the complete replacement of a major community hospital (nearly 600 beds in 1975) and following, with work on many projects, design review committees, selection committees, and state conference planning, Doug Hanna stands out amongst his peers in his influence on the built environment. Over the past 23 years, he has arranged **30 significant presentations by industry experts** for a nationally recognized annual multi-day state-wide conference focusing on health facilities planning.

Doug Hanna believes that great architecture is not only about buildings, but equally important is the space between those buildings.

UNIVERSITY ARCHITECT 1993-PRESENT	Since 1993, Douglas Hanna has functioned in the role of University Architect at the University of Michigan (UM). He has been involved in hundreds of projects worth over $5 billion[1], shaping the designs and managing or overseeing the management of the design efforts. The projects have varied in function and character from art museums, to performing arts centers, to hospitals, to classroom buildings, to research buildings, to research aquariums, to heliports, to 'The Big House', Michigan's football stadium. Doug Hanna believes that great architecture is not only about buildings, but equally important is the space between buildings. These spaces are what form the rich campus feeling for which the University of Michigan is known. He also oversees major projects taking place on both of the university's satellite campuses in Dearborn, Michigan and Flint, Michigan and is acting president of the Ann Arbor Technology Park Association where he also functions as design review committee chairman for park occupants like Toyota, Masco, NSK, etc.
ASSISTANT DIRECTOR 1989 – 1993	During this time, Doug Hanna managed several major projects for UM including a $250 million Cancer/Geriatrics Clinical/Research and Parking Facility, and a $90 million Medical School Research Laboratory Building.
ASSISTANT HOSPITAL DIRECTOR – DESIGN AND CONSTRUCTION 1985 – 1989	Following the completion of the new UM replacement hospital, Doug Hanna was named Assistant Hospital Director and placed in charge of all capital projects at the University of Michigan Hospitals. During that time, he organized a 60-person design and construction department and executed several major projects including a significant addition to the Women's and Children's Hospital.
ASSISTANT DIRECTOR – REPLACEMENT HOSPITAL PROGRAM 1980 – 1985	For 5 years, Doug Hanna played a significant role in the replacement of the university's major hospital buildings. In the first year he defined the design guidelines for both the creation of a major operating room suite containing 15 large OR's and all 20 of the 32-bed patient units. During the balance of this time, he functioned as the principal owner field representative during the construction administration phase (CA). The value of the project was approximately $700 million and space created was approximately 1.5 million sf. This included among many features, nearly 600 beds, diagnostic and treatment space, a 300,000 sf outpatient clinic facility, a heliport, linear accelerators, a burn center, and a psychiatric care facility.
COLLEGE AND EARLY EMPLOYMENT 1967 – 1980	During his college education, Doug Hanna formulated a curriculum called the "Professional Exposure Program" designed to expose graduate students to the practice of architecture in any capacity desired by the participating students. As Doug envisioned it, his program involved the final two of six years in the master's program in which he and other students would focus on courses of interest, depending on the particular specialization, followed by an 8-month internship. In the remaining semesters, students took follow-up courses that evolved from the experience of the internship. Doug Hanna was placed in Smith Hinchman & Grylls, Inc. (now the SmithGroupJJR) for his 8-month internship where he rotated through 6 different assignments. During one of these assignments, he designed a complete building addition functioning as the project architect and assistant project manager. In addition to these assignments, Doug participated in twenty 3-hour mini-conferences between key principals of the firm and himself listening to a full description of the role of the principal. His program was considered a success by his school and it carried on for many years after he graduated. Following graduation, Doug worked for a major construction manager producing a sizeable community hospital replacement (600 beds in 1975), a Ford Motor Company plant expansion, and a hospital bed tower addition.

[1] Based on present day value. All monetary references in this document have been escalated to present day value. Source used: http://www.usinflationcalculator.com/

More than any other University Architect in the last half-century, Douglas Hanna has been and continues to be in a position to positively influence the lives of countless individuals. Through his direct hands-on involvement on more than $5 billion worth of building projects at UM, Doug affects the lives of countless thousands of individuals (healthcare patients, students, student athletes, architects/engineers, research scientists, staff, and the general public). They all directly or indirectly continue to benefit from the results of his work.

Douglas Hanna has several design principles that have guided him during his leadership years with the university:

1. As stated earlier, "**Great Architecture**" **is not only about buildings, but equally important is the space between buildings**. Any alumnus or visitor recalls memories about the Law Quad, the Diag, Ingalls Mall, and the Grove (North Campus), all outdoor spaces existing between buildings. Doug Hanna evaluates every project for its impact on or relationship to the open spaces around the structure.
2. **"Great Interior Community Spaces,"** such as atria, lobbies, eating facilities have similar importance from within university buildings. These spaces **must be created, protected, and enhanced at every opportunity**. They are the most difficult to defend because they are costly and their value to the university is often highly subjective. Under Doug Hanna's watch, the university has added to its inventory and enhanced numerous spaces of this type. Examples include the atrium in the Biomedical Science and Research Building (BSRB), the vertical gallery in the UM Museum of Art, and the pair of exhibit museum atria in the new Biological Sciences Building.
3. **"Context" is a critical consideration in producing great university architecture**, in Doug Hanna's perspective. The University of Michigan is very eclectic in its architectural vocabulary. However, Doug critiques every project that he has managed over the years relative to its surrounding context, including, but not limited to material, form, color, and fenestration.
4. **"Simplicity" is one of the most important elements of great architecture**. Materials that work well together and relate to surroundings are key to successful solutions. Doug Hanna often asks the designers to alter various material combinations in order to simplify designs, thereby raising the quality of the end product.
5. **"Material Selection Strategies" and knowing when to match existing materials is a key challenge in producing great design solutions** for additions and renovations. Over the years, Doug Hanna has been very successful in matching materials when appropriate. He has also steered designers away from matching materials and instead, guided them to the use of contrasting materials to bring about masterful results.

{2.1} ACCOMPLISHMENTS {HEALTHCARE}

After completing his significant involvement in the replacement of a major community hospital in Ann Arbor, Michigan, Doug Hanna began his 35-year career at the University of Michigan. His first project was the entire replacement of the university's inpatient and outpatient hospital facilities (1.5 million sf). It was the largest project that the State of Michigan had ever participated in funding. This and many other projects have supported UM's great success in the healthcare world measured by an annual operating budget of $3.3 billion, 45,000 annual hospital stays in 933 beds, 1.8 million clinic visits, $466 million in annual research grants, 49,000 surgeries/yr, 4,000 births/yr, 26,000 faculty and staff, and 4,600 nurses. Doug Hanna played a leading role in the replacement and/or creation of all the following facilities.

Replacement Hospital Project

Square Footage: 1.2 million *Cost*: $485 million *Completion Year*: 1986 *Designer*: Albert Kahn Associates, TMP Associates, Hansen Lind Meyer

- Doug led efforts to design operating rooms and patient rooms for the new hospital before he was placed in charge of all construction activity. This major project involved nearly 200 direct construction contracts, 60 individuals working for the construction manager and 17 on-site architect representatives. It was completed on time and within budget due in large part to the oversight of Doug Hanna and his team (See Section 3.1, Exhibit 6).

UMHS Heliport

Square Footage: NA *Cost*: $10 million *Completion Year*: 2001 *Designer*: Albert Kahn Associates

- In 1983, the University of Michigan Health System (UMHS) established the first medical flight services in the state and established its home base on the roof of the main hospital; three helicopters make more than 1,000 trips annually.
- Doug, along with Albert Kahn Associates (Kahn), later relocated and expanded the heliport in an area remote from the hospital, meeting FAA regulations while still connecting it underground directly into the Emergency Department's (ED) trauma center; he also managed a project designed by Kahn to expand the UM Medical Center's ED facility in the 1990's.

Ambulatory Care Facility

Square Footage: 37,000 *Cost*: $47 million *Completion Year*: 1996 *Designer*: Albert Kahn Associates

- The first building on the East campus was the Ambulatory Care Facility (ACF) shown at left, which has since evolved into a robust outpatient campus including the ACF, geriatrics outpatient medicine, a depression center, a major radiographic imaging facility, and an ambulatory surgical center.
- Doug played a central role in master planning the campus, designing this facility, and presenting to the board of Regents.

Cancer/Geriatrics Centers

Square Footage: 200,000 *Cost*: $180 million *Completion Year*: 1995 *Designer*: TMP, Hansen Lind Meyer

- This project added research and clinical space for the UM Medical Center's cancer and geriatrics centers, including a 1,000-space parking structure and a major faculty office building atop the parking structure (the office building was removed from the project at bid time and not constructed).
- Doug contributed significantly to the design of the buildings and presented them to the Board of Regents for approval.

Kellogg Eye Center

Square Footage: 230,000 *Cost*: $145 million *Completion Year*: 1983 *Designer*: Stubbins (now Jacobs)

- Doug successfully organized an effort to expand research and replace clinical functions in the Kellogg Eye Center. He convinced the chair of Ophthalmology to reverse his strategy of building research facilities to replacing the Eye Center Clinics instead, avoiding substantial future disruption. The chair repeatedly expressed his gratitude for Doug's suggestion to completely change directions that saved UM countless dollars in logistical costs and time (faculty, patients, and students), and minimized disruption to the Eye Center for subsequent phases.

Students

Douglas Hanna has worked on, influenced, and directly contributed to a significant number of University of Michigan major building projects, renovations, and additions that are used by UM students on a daily basis. Because of his architectural contributions, students and faculty have at their fingertips state-of-the-art laboratories, classrooms, libraries, lecture halls, auditoriums, dining facilities, sports complexes, recreational spaces, theaters, and dormitories. In his 35 years of service to the University, an estimated half a million students (total enrollment for fall 2012 was 60,798) have used these facilities, directly impacting their quality of learning and life for their college education. These dormitories, classrooms, dining facilities, and sports facilities are also used in the summer months for camps that impact the lives of high school and middle school students, as well. A considerable number of international students experience American life and education through the lens of the University of Michigan; the University and its buildings become home away from home. Doug's contributions impact undergraduates, graduates, and postgraduates on 3 campuses (Ann Arbor, Dearborn, and Flint) participating in numerous schools and colleges.

Weiser Hall

Square Footage: 108,000 *Cost*: $49 million *Completion Year*: 2017 *Designer*: Diamond Schmitt Architects

- The challenge of this project was to completely reconfigure spaces into open offices while bringing more light into the building. It will house state-of-the-art collaboration space for many centers of the College of Literature Science and the Arts.
- Doug worked closely with the architect to achieve a design that significantly altered the exterior appearance of the original building. All of the curtain wall fenestration in the image to the left was added in this project.

School of Music

Square Footage: 21,000 *Cost*: $30 million *Completion Year*: 2016 *Designer*: Ennead, IDS

- This expansion included a rehearsal hall, a lecture hall, three classrooms and a series of practice spaces, as well as the renovation of a portion of the existing building. The original building, designed by Eero Saarinen in the early 1960's was heavily considered in choices of form and materials to respect the original timeless design.
- Doug was central to the evolution of the design details and worked closely with the designer and dean of the school.

Taubman Library

Square Footage: 137,000 *Cost*: $55 million *Completion Year*: 2015 *Designer*: TMP, Ballinger

- The Medical School has evolved their curriculum to include more action-based learning, including the use of highly technical simulation space and digital media in lieu of hardbound books.
- Doug deliberated with and guided the designers for many months; guidance that resulted in best choices for an economical, yet tasteful conversion of the enclosure to add fenestration.

William L. Clements Library

Square Footage: 25,000 *Cost*: $17 million *Completion Year*: 2015 *Restoration Architect*: SmithGroupJJR

- This renovation was a complete overhaul of the 1923 classic Albert Kahn building providing improvements utilizing historic preservation strategies. It added 7,500 sf for climate regulated rare book storage. Great care was taken in updating systems without compromising the integrity of the historic fabric; the addition was built underground to keep the symmetry of original design.
- Doug worked closely with the architects and stakeholders to find common ground compromises for many design challenges.

Horace H. Rackham Building

Square Footage: 173,000 *Cost*: $38 million *Completion Year*: 2013 *Restoration Architect*: SmithGroupJJR

- Another great University of Michigan building to come out of the first half of the 20th Century, Doug selected a proven firm to design a total update to the building.
- Cognizant of history and tradition, Doug authorized an additional fee to study original details and paint color in order to maintain authenticity Doug organized the complete project and reviewed every detail right down to plaza work.

School of Nursing

Square Footage: 78,000 *Cost*: $50 million *Completion Year*: 2011 *Designer*: RDG, KMW

- Potential award winning design that includes instructional space, a clinical learning center, and simulated patient suites in an environment that fosters collaboration and community.
- Doug was central to the site selection, architect selection and development of many of the details of the design.

Hill Dining Center & Mosher Jordan Renovation

Square Footage: 180,000 *Cost*: $75 million *Completion Year*: 2008 *Restoration Architect*: Goody Clancy, IDS

- In 2005, the University eliminated the separate dining facilities in four dorms (built between 1925 and 1950) and consolidated them into a central facility while renovating the adjacent dormitory.
- The project goal was a renovation of a Heritage Dorm and addition for dining in a design that would be contextual with the historic dormitories. Doug selected the architects and worked with them on choices of exterior materials.

Institute for Social Research

Square Footage: 52,000 *Cost*: $20 million *Completion Year:* 2006 *Designer*: Einhorn Yaffee Prescott

- Established in 1949, the Institute for Social Research is highly regarded among the world's largest and oldest academic survey research organizations, and a leader in the development and application of social science methods and education.
- Doug helped formulate the design of the addition to this 1902 school with the end goal of harmonizing the new with the old.

Computer Science Building

Square Footage: 104,000 *Cost*: $47 million *Completion Year*: 2006 *Designer*: Diamond Schmitt Architects

- This building is an important addition to the core of the North Campus, making the placement, form, and architecture extremely important as a central example.
- Doug Hanna worked closely with the architects to settle in on a design scheme that met the needs of the College and the university in general. He also made decisions on many of the details and the final material selections.

Walgreen Drama Center

Square Footage: 100,000 *Cost*: $50 million *Completion Year*: 2004 *Designer*: KPMB Architects

- This project created a theater venue and learning facility on the university's North Campus. The main theater facility offered in the new building is featured to honor the university alumnus, Arthur Miller who attended UM around 1934.
- The new performance facility is a beautiful and very functional 250-seat theater equipped with the most modern features of any theater on campus. Doug played a principal role in managing the design team to guide them to the final design solution.

Ford School of Public Policy

Square Footage: 80,000 *Cost*: $43 million *Completion Year*: 2006 *Designer*: Robert A.M. Stern, Albert Kahn Associates

- In 2004, the Ford School launched a campaign to raise funds for their own new building, enlisting the help of Gerald R. Ford, the then-91-year-old 38th President of the United States to assist in the fundraising.
- Because of their previous work on higher education campuses and US political buildings (including several US Courthouses), Stern was the recognizable best choice to create a stately, grand structure to properly represent the image for its politically significant occupant. Doug negotiated the contract for this project and collaborated on the design elements.

S. T. Dana Renovation

Square Footage: 117,000 *Cost*: $23 million *Completion Year*: 2003 *Restoration Architect*: Quinn Evans Architects, William McDonough + Partners

- This project involved the complete overhaul of the original building while fitting out new space that was added through a creative infill of the central courtyard. It is a showcase for designing sustainability; LEED Gold certification includes chilled beams, compost toilets, and photovoltaics to name a few features (See Section 3.1, Exhibit 5).
- Doug Hanna led the design phase of the project from architect selection to final LEED point decisions.

Haven Hall

Square Footage: 213,000 *Cost*: $46 million *Completion Year*: 2003 *Designer*: Einhorn Yaffee Prescott

- Built in 1952, Haven Hall was a double loaded, single corridor design that was regarded by the students and faculty as dismal, with a narrow corridor and no daylight in any public spaces in the building.
- At Doug's suggestion, the then-current UM president authorized an addition that widened the building to allow a race-track corridor design, livening up the character of the office building by adding public space and considerably more daylight.

William S. White Building

Square Footage: 178,000 *Cost*: $50 million *Completion Year*: 2001 *Designer*: SSOE Inc.

- This UM Flint campus project includes departmental offices and classroom facilities for health care related curricula, School of Management, local PBS affiliate (WFUM-TV) and portions of the art education departments.
- Doug selected the architects, negotiated the contract and worked closely with the lead designer to formulate the final design.

School of Dentistry Kellogg Building

Square Footage: 48,000 *Cost*: $18 million *Completion Year*: 2000 *Designer*: Jickling Lyman and Powell (JLP)

- This addition houses dental clinics and a new museum for dentistry artifacts and social functions. Because it is located next to a 1940's historical building, Doug required the addition to be contextual while not appearing to be an exact replica.
- Doug worked with the architect and succeeded in creating an addition that blends successfully with the adjacent building. The materials and details are clearly different and are recognizable as an addition, although it is difficult to tell that it was built a half century later.

Lane Hall Renovation

Square Footage: 15,000 *Cost*: $10 million *Completion Year*: 2000 *Restoration Architect*: Quinn Evans

- Originally built in 1917 and acquired by the university in 1936, Lane Hall is now the home of the university's Women's Studies Department and the Institute for Research on Women and Gender.
- Due to the need for additional space, this project renovated portions of the building and added a wing. Doug reviewed several approaches with the designers and settled on the final design which respected the historical character of the building without attempting to replicate it. The final solution was supported by the local historical preservation society.

Wyly Hall

Square Footage: 82,000 *Cost*: $29 million *Completion Year*: 1999 *Designer*: Luckenbach Ziegelman

- This building is a continuing education hotel facility for the Business School.
- Doug worked closely with Mr. Luckenbach to formulate the goals of the design and helped select the exterior materials of the final design solution.

School of Social Work

Square Footage: 149,000 *Cost*: $37 million *Completion Year*: 1997 *Designer*: Sims-Varner Associates

- The School of Social Work building includes classrooms, a spectacular library/ media center, faculty offices, and the university's International Center.
- Doug worked with the designer on many of the details of the final solution, not the least of which was brick selection.

Angell Hall Renovation

Square Footage: 22,200 *Cost*: $55 million *Completion Year*: 1996 *Restoration Architect*: Albert Kahn Associates

- One of the most significant iconic buildings on Central Campus, designed by Albert Kahn himself in 1924, Angell Hall stands at the front of the core (Diag) of the central area along State Street.
- Doug selected Albert Kahn's firm to update the building in 1996, which involved funding from the State of Michigan and the buy-in of many individuals to reconfigure/outfit the many classrooms contained within.

Tisch Hall Addition

Square Footage: 22,200 *Cost*: $13 million *Completion Year*: 1996 *Designer*: Albert Kahn Associates

- The goal of this project was to add teaching space and faculty offices to the classic Angell Hall on the Central Campus. Exterior materials were critical; they needed to blend with both the iconic Angell Hall and newly formed Haven Hall.
- Doug personally presented the project for approval to the Board of Regents and managed the decision making process that ensured the proper materials were selected, leading to a near-perfect match of the original brick.

Student Activities Building

Square Footage: 15,000 *Cost*: $9 million *Completion Year*: 1996 *Designer*: Fry and Associates

- The original building was designed in the 1950's by Swanson Associates and houses the university's admissions department and many student administrative functions.
- Doug worked together with Mr. Fry to find the right choice of form and materials to accomplish the desired goal and he personally presented the final design to the Board of Regents for approval.

Margaret Bell Pool Building

Square Footage: 10,000 *Cost*: $3 million *Completion Year:* 1995 *Designer*: Dow Howell Gilmore Associates Inc.

- The top floor of the Margaret Bell Pool Building was an addition and a very tricky expansion intended to carry forth the exact vocabulary of the original building.
- Doug worked closely with the architects to match all of the details of the existing building and to select a brick that would leave the addition undetectable. This is one of the few instances where an exact match was achieved and it was through the tenacious pressure by Doug that success was realized.

C.C. Little Building Renovation

Square Footage: 190,000 *Cost*: $55 million *Completion Year*: 1993 *Restoration Architect*: TMP Associates (formerly JLP)

- This building was designed by Albert Kahn in 1925 and houses both the College of Literature Science and the Arts and the College of Pharmacy. The building needed its mechanical and electrical (M&E) systems replaced.
- Doug suggested that the project involve adding new space in the courtyard for these new M&E systems that could then be constructed ahead of the balance of the renovation, thereby minimizing the disruption to the occupants for some period of the construction. This strategy proved to be very successful.

Lurie Engineering Center

Square Footage: 50,000 *Cost*: $25 million *Completion Year*: 1990 *Designer*: Moore Andersson Architects

- The College of Engineering needed a building in which to house their administrative functions, as well as a bell tower that would draw a relationship to the new administration building, which Charles Moore created.
- Doug worked directly with Mr. Moore and Mr. Andersson on various aspects of the design including the selection of the final colors of the exterior. He also presented the final design of the project to the University's Board of Regents.

James and Anne Duderstadt Center

Square Footage: 240,000 *Cost*: $50 million *Completion Year*: 1990 *Designer*: Albert Kahn Associates

- At its time, the Duderstadt Center was a new approach to libraries where the building was being planned around the transition from bound books to digital media. The building is the most popular student hangout on campus with an atmosphere enhanced by an atrium that fronts the building and connects the main and upper floors in grand style.
- Doug was central to the final design solution, playing critic on every aspect of all of the options considered. Doug personally presented the design to the Board of Regents.

{2.1} ACCOMPLISHMENTS {STUDENT ATHLETES}

Student Athletes

Athletic accomplishments are a subject of significant pride at the University of Michigan. The first UM football game was played in 1879 and in fact, the first touchdown in that game was scored by a UM Student who went on to be a professional architect (Pond). The UM has 26 competitive sports teams and with the success of football and the "Big House," spectators and athletes are able to enjoy first class facilities for all sports. Over the years, Mr. Hanna has had the privilege to plan and formulate many of these magnificent venues including Football, Basketball, Soccer, Hockey, Women's Softball, Baseball, Lacrosse, Track, Women's Gymnastics, and Wrestling.

University of Michigan Stadium

Square Footage: 400,000 *Cost*: $260 million *Completion Year*: 2010 *Designer*: HNTB, KMW

- In 2008, The "Big House" was in need of updating and a there was desire to add 83 suites, approximately 3,200 club seats, many more and proximate seats for the disabled, bathroom facilities (especially women's), improved access for the disabled, more concession locations, new scoreboards, permanent lights, a new sound system and much, much more.
- Doug chaired the architect selection process and made course corrections along the way (added KMW to the design team) to make certain that the resulting design would stand proud, as the largest, most notable stadium in the country. The final design has been well received by fans, players, coaches, and the general public at large. (See Section 3.1, Exhibit 4).

Athletics Competition & Performance Project

Square Footage: 280,000 *Cost*: $168 million *Completion Year*: 2018 *Designer:* SCD, TMP Architecture

- At left is an aerial showing the new lacrosse stadium (foreground), an indoor track facility and an outdoor track stadium (background), and a performance facility for lacrosse and track, rowing team, women's gymnastics, tennis, and soccer.
- Doug Hanna selected the architects and influenced the final design, particularly the curved vs. straight canopy over the Lacrosse Stadium stands. The overall project creates a large athletics complex that, due in large part to Mr. Hanna's leadership, will be built efficiently without sacrificing durability, longevity, and/or aesthetics.

Golf Clubhouse

Square Footage: 23,000 *Cost*: $15 million *Completion Year*: 2017 *Designer:* Partners and Sirney

- The original Golf Clubhouse was built in the 1950's and was designed by a local architect named Douglas Loore. The course was designed by a famous golf course designer, Alister McKenzie in the 1930's.
- Doug critiqued several schemes resulting in the design shown at left with the goal of producing a design that belongs on the very prominent site across from the "Big House" and basketball arena.

Yost Arena Renovation

Square Footage: 115,000 *Cost*: $23 million *Completion Year*: 2012 *Restoration Architect*: Rossetti Architects

- Designed in 1924 by Smith Hinchman & Grills and originally designed as a basketball venue, Yost now plays host to all of the university's hockey games. It is the design template cornerstone for new buildings and additions of the athletic campus.
- Doug has led three projects in this venue (a total of $23 million), upgrading while retaining the character of this historic icon.

Schembechler Hall Addition

Square Footage: 14,000 *Cost*: $9 million *Completion Year*: 2014 *Designer:* Integrated Architecture

- The original building was designed by Gunnar Birkerts and was always seen as controversial due to its modern vocabulary with blue metal panels and burnished block as the principal exterior materials. The athletic department funded a project to expand the building, update the museum, and give the facility a new image.
- Doug Hanna extended a professional courtesy to the original designer, Mr. Birkerts and invited his involvement. He declined and the project was designed resulting in a new look that is contextual with the adjacent historic Yost Field House and the new Glick Fieldhouse (indoor football practice facility).

Crisler Center Renovation/Addition

Square Footage: 117,000 *Cost*: $75 million *Completion Year*: 2010 *Designer:* TMP, Sink Combs Dethlefs (SCD)

- Crisler was constructed in the late 1960's when the Michigan Wolverines were becoming nationally known under the leadership of basketball star Cazzie Russell. It had not been updated in any significant way since the early days and underwent three phases for a complete overhaul of the infrastructure of the main building and additions for bathrooms, a new lobby entrance, and a club lounge.
- Doug played a primary role in the design development of the entire project from selecting colors and brick to choosing major design forms (See Section 3.1, Exhibit 7).

Player Development Center

Square Footage: 57,000 *Cost*: $25 million *Completion Year*: 2010 *Designer:* TMP, Sink Combs Dethlefs (SCD)

- Doug Hanna wanted this addition to the Crisler Center to be contextual but have a distinguishing element, or flare to help meet the university's objective of attracting new player talent. The circular lobby gives the appearance of the "jewel" in the setting of the ring (See Section 3.1, Exhibit 7).

Soccer Stadium

Square Footage: 20,000 *Cost*: $7 million *Completion Year*: 2010 *Designer:* TMP Associates

- This facility provides locker rooms and concessions for soccer athletes and fans, accommodates about 1,800 spectators, and extends what was becoming a recurring style for the Athletic Department facilities.
- Doug chose the palate of materials and shepherded the design to the final result.

Glick Fieldhouse

Square Footage: 104,000 *Cost*: $29 million *Completion Year*: 2009 *Designer:* TMP Associates (formerly JLP)

- This project was sited adjacent to the historic Yost Field House (hockey arena) built in the 1920's.
- Doug resisted ideas for a simple metal premanufactured building and insisted that the architect present options considering the architectural context of buildings in the immediate area without compromising visual aesthetics for cost. The resulting design very successfully replicates the rhythm of the structure of Yost Field House while staying true to a more contemporary statement using flat arches.

Softball Stadium

Square Footage: 10,200 *Cost*: $14 million *Completion Year*: 2008 *Designer:* HOK

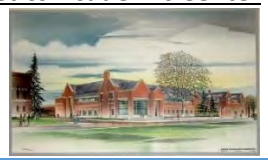
- While the Michigan Women's Softball Team was busy winning major titles, the university undertook the creation of a 2,800-seat softball stadium adjacent to the Fisher Baseball Stadium renewal project (see below).
- This project utilized a similar style to the baseball stadium and was heavily influenced by Doug's critical input.

Fisher Baseball Stadium

Square Footage: 18,000 *Cost*: $10 million *Completion Year*: 2007 *Designer:* HOK

- The Fisher Baseball Stadium had existed on the athletic campus for many years when it was decided funds would be devoted to renewing the facility.
- Doug shepherded the design in the direction of a traditional look based on the context of the adjacent structures (Yost Field House, Intermural Buildings, Etc.).

Athletics Academic Center



Square Footage: 40,000 *Cost*: $15 million *Completion Year*: 2005 *Designer:* Jickling Lyman and Powell (JLP)

- This facility was built for athletes to study, learn, plan, and be counseled in the interest of maximizing the academic performance of each individual. The design was first proposed with a modern look using a glass curtain wall façade.
- Doug, in the interest of being contextual with the adjacent buildings (particularly Yost Field House), steered the project in a more traditional direction utilizing brick and limestone as the primary materials, proving more visually cohesive.

Research Scientists

The University of Michigan secured $1.3 billion in research grant funding this past year (2015), which makes it one of the leading research institutions in the world. Modern research facilities are a high priority and Doug Hanna has had the opportunity to play a leading role in the development of more than a dozen major research building projects over his 35 years. Doug's favorite project in this type, the Biomedical Science Research Building (BSRB), won a National AIA Honor Award in Architecture (See Section 3.1, Exhibit 2).

Biomedical Science and Research Building (BSRB)

Square Footage: 480,000 *Cost*: $300 million *Completion Year*: 2005 *Designer:* Ennead (formerly Polshek Partnership)

- The BSRB has been used as an example by many worldly institutions to gather ideas from what is considered a model research facility. It has won several awards including the 2007 AIA National Honor Award (See Section 3.1, Exhibit 2).
- Doug negotiated the architect's agreement and led the programming and design phases of the project for the University, participating interactively in all of the design meetings.

Biological Science Building

Square Footage: 300,000 *Cost*: $261 million *Completion Year*: 2018 *Designer:* SmithGroupJJR, Ennead Architects

- The Biological Science Building (BSB) will house open plan research laboratories, associated support functions, offices, classrooms for 2 departments, and 4 museums.
- Doug has been a significant contributor to the design of this project from its inception, with his ideas and influence shaping the concept scheme (See Section 3.1, Exhibit 8).

Dearborn Science Building

Square Footage: 106,000 *Cost*: $51 million *Completion Year*: 2016 *Designer:* Stantec (formerly SHW Architects)

- The Dearborn Campus requested space for better laboratory modules in the existing Science building. The solution involved replacing the skin of the entire building and cantilevering a small addition, thereby gaining the square footage needed.
- Doug worked directly with SHW to select materials and colors leading to the final scheme.

G. G. Brown Mechanical Engineering Addition

Square Footage: 60,000 *Cost*: $46 million *Completion Year*: 2014 *Designer:* Perkins + Will, IDS

- This ultra-low vibration research laboratory project involved a design team led by a newly honored Fellow of the AIA, Robert Goodwin. He and Doug Hanna collaborated on the design, including the light wall, a large, uniquely detailed standing seam wall with colored LED lights imbedded in the seams of the material. The effect is that of a low pixilated screen and affords students the opportunity to display images that resemble their research in this facility (See Section 3.1, Exhibit 9).

Institute of Social Research

Square Footage: 57,000 *Cost*: $30 million *Completion Year*: 2013 *Designer:* Lord Aeck Sargent

- The Institute of Social Research (ISR) is a well-known and highly regarded organization in the statistical world. Their original building was designed by Alden Dow in 1965. Doug Hanna led the design effort which created a significant addition while respecting the original character of the architecture. Federal grant funding was involved requiring coordination with NIH.
- This addition was designed in concert with a creative engineering firm that employed a significant innovation of using the piping from the fire suppression system to deliver heat to the building spaces.

Phoenix Memorial Lab

Square Footage: 33,000 *Cost*: $20 million *Completion Year*: 2012 *Designer:* Lord Aeck Sargent

- The laboratory has undergone two major renovations (in 2012 at $9.5 million and 2011 at $11.1 million), both managed by Doug Hanna, to create a state-of-the-art battery research facility. The same architect was hired for both projects. The second project included a 10,000 sf office addition seen at left that incorporated a very unusual structural system and won a 2015 Michigan AIA Honor Award for Steel.

Solid State Electronics Lab

Square Footage: 37,000 *Cost*: $33 million *Completion Year*: 2007 *Designer:* SmithGroupJJR

- This project is a significant clean lab for the purpose of creating circuit boards. This facility uses state-of-the-art technology to manufacture "wafers" as a part of the College of Engineering's research endeavors.
- After reviewing various schemes, Doug challenged the architects to come up with the very interesting exterior brick wall design which was then detailed to incorporate circuit board symbolism, much as we see in circuit board design drawings.

School of Public Health

Square Footage: 125,000 *Cost*: $86 million *Completion Year*: 2006 *Designer:* Centerbrook Architects and Planners

- This project added research space, classrooms, offices and meeting rooms. Originally suggested by Doug, the major challenge was to span the city street, connecting the two School of Public Health buildings as one; an approach that significantly improved the functionality of the school's teaching and research activities.
- Doug chaired the selection process and participated in all of the design meetings with Centerbrook throughout the project, formulating the ultimate solution.

Dearborn Science Building

Square Footage: 29,000 *Cost*: $11 million *Completion Year*: 2006 *Designer:* Jacobs (formerly Stubbins Associates)

- The Dearborn Campus, located 40 miles east of the Ann Arbor Campus has nearly 10,000 students in several programs. This Science Building includes an astronomical observatory, modern teaching and research laboratories, a multi-purpose lecture hall, and the opportunity for students to engage in sponsored research projects.
- Doug selected Stubbins Associates and together they formulated the successful design at left.

Dearborn Engineering

Square Footage: 46,000 *Cost*: $16 million *Completion Year*: 2006 *Designer:* Lord Aeck Sargent

- This project included space for the Institute for Advanced Vehicle Systems, laboratories, seminar rooms and faculty offices. It provides a place for students to work on large pieces of equipment such as automobiles.
- Doug selected the architect and critiqued various designs leading to the scheme seen here.

Medical Science Research

Square Footage: 220,000 *Cost*: $80 million *Completion Year*: 1995 *Designer:* JLP Associates

- The Medical Science Research Building was the third of three in a series, is the tallest of the three, and provides research space for the medical school.
- Doug worked closely with JLP on the design ranging from determining massing to choosing the research bench module.

Biomedical Engineering Research

Square Footage: 240,000 *Cost*: $25 million *Completion Year*: 2005 *Designer:* Zimmer Gunzal Frasca

- This building houses instructional space, state-of-the-art biomedical engineering labs and support space for cutting edge research in molecular imaging, biomaterials, microfluidics, tissue engineering, neural engineering, biomolecular engineering and molecular electrophysiology.
- Doug worked closely with Bob Frasca on building form, material selection, and colors in the process of creating this design.

Carl Gerstacker Research Center

Square Footage: 35,000 *Cost*: $17 million *Completion Year*: 2002 *Designer:* TMP Associates (formerly JLP)

- This Center provides laboratory and office space for the Department of Biomedical Engineering, the Center for Ultrafast Optical Science, and the Department of Materials Science and Engineering.
- Doug's greatest challenge was to make this research building welcoming, unlike like many previous buildings of its type. The provision of generous lobby space and nearly clear glass was key to achieving this overarching goal.

As a major public university, UM has an obligation to share its resources with students and the public at large. These resources come in the form of art collections, specimen collections, musical and acting talent, teaching and research expertise, and inventions. There are many great facilities that provide the setting for sharing these resources, such as museums, concert halls, theaters, and lecture spaces, among others. Doug Hanna has led the creation or renewal of many of these facilities as indicated below.

University of Michigan Museum of Art (UMMA)

Square Footage: 100,000 *Cost*: $45 million *Completion Year*: 2008 *Designer*: Allied Works Architecture, IDS

- The project has a unique complete art path created through both the existing building and the new addition, making for an effortless transition through the galleries.
- Doug selected the architect and personally managed the entire design process, making significant contributions to the ultimate design/details (See Section 3.1, Exhibit 1).

Hill Auditorium

Square Footage: 125,000 *Cost*: $53 million *Completion Year*: 2003 *Restoration Architect*: Albert Kahn, Quinn Evans

- Originally designed by Albert Kahn in 1913, Hill Auditorium is one of the university's most historically iconic buildings, though it had not been updated since 1949 and was in serious need of repair. Doug played a principal role in the renovation and addition project over ten years, directly managing the design phase (See Section 3.1, Exhibit 3).

Transportation Center

Square Footage: NA *Cost*: $5 million *Completion Year*: 2012 *Designer*: Hubbell Roth and Clark

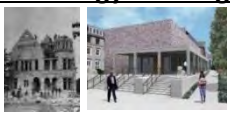
- This is a significant university bus hub on Central Campus for 14 bus routes and 60 large busses. The original concept was a series of visually uninteresting pre-manufactured rectangular bus stop structures.
- Doug suggested and formulated two custom designed structures, one on each side of the boulevard that shelter bus riders from the elements while incorporating a very graceful and elegant form.

Towsley Center for Children

Square Footage: 22,000 *Cost*: $9 million *Completion Year*: 2009 *Designer*: David Osler

- This day care center project is located near the central campus and accommodates 142 children.
- Doug reviewed several rounds of alternative designs and influenced UM leadership to accept the design at the left. He fought vigorously for a residential instead of institutional look as the building is in/near a residential neighborhood.

Archeology Building



Square Footage: 34,000 *Cost*: $11 million *Completion Year*: 2006 *Designer*: Hammond Beeby Rupert Ainge (HBRA)

- This project sought to add space to the classic Richardsonian Romanesque archeology museum built in 1891.
- Working closely with HBRA, Doug settled in on a scheme that would use materials to draw the context, not the form. The modern shape of the addition reads clearly as a recent addition, yet done in a tasteful manner.

Detroit Observatory

Square Footage: 5,000 *Cost*: $2 million *Completion Year*: 1997 *Restoration Architect*: Quinn Evans Architects

- Constructed in 1854, the Detroit Observatory is one of the oldest University of Michigan buildings. It was the first observatory in Michigan, outfitted with two telescopes, the main one being the third largest in the world at the time.
- Doug led a project to completely restore the original building AND the main telescope.

Lurie Bell Tower

Square Footage: 1,000 *Cost*: $8 million *Completion Year*: 1996 *Designer*: Charles Moore, Arthur Andersson

- Designed by the famous Charles Moore, in collaboration with Arthur Andersson, the tower is one of a pair of elegant structures (see Lurie Engineering Center on page 8). The Engineering Center includes a series of diagonal corridors, each of which frame the Bell Tower as a vista.
- Doug had the great fortune to have worked with Mr. Moore and Mr. Andersson of this iconic piece of architecture.

ANNUAL HEALTH CARE PLANNING SEMINAR

In 1990 Doug Hanna was asked to join the planning committee for an annual non-profit seminar (conference) that was and still is jointly sponsored by the Michigan Department of Public Health (now the Michigan Department of Licensing and Regulatory Affairs) and the Michigan Society of the American Institute of Architects (now AIAMI). The nationally recognized Annual Health Care Planning Seminar started in 1967 as an idea to bring together architects, engineers, hospital administrators, and state regulators from all over the State of Michigan on an annual basis. The intent of this conference was to receive updates on regulations, meet in a setting other than work, and take part in a learning experience on many interesting topics. Doug had just completed designing and building a major hospital complex at the premier medical center of the state and was very connected with significant numbers of medical professionals. For this reason, he was recruited to this planning committee that became a passion of his for years to come.
The annual conference is a two-day event held during the spring each year. The committee meets annually to draft an agenda for the following year and members recruit prospective speakers, formulate topic outlines, and seek information as input for the conference marketing materials. Doug conceived of and arranged a number of presentations over the 23 years he has participated, including:

2016 – (Confirmed) Dr. Louis Wetstein – Emergency Preparedness – Hurricane Sandy
2015 – Cary Garner, AIA – Healthcare poised for Modular and Prefab
2014 – Dr. Victor Reginier, FAIA – Housing and Independence for the Boomers
2013 – Michelle Aebersold – Simulation Design for the Future
2012 – Jackie Lapinski & John Bienko – Mott Children's Hospital project Lessons Learned
2011 – Kelly Parent – Through Their Eyes – Collaborating with Parents and Families in Hospital Design
2009 – Robert Dickler – The Future of Healthcare
2008 – Pat Warner – Streamlining the Design and Construction Processes for a New Hospital
2007 – Denise Landis – Medical Air Transportation Planning
2006 – Marsha Mazz – Americans with Disabilities Act (ADA) Updates
2005 – Dr. Kenneth Silk – World of Psychiatry and the Future Approach to treatment Strategies
2004 – Dr. James Geiger – The Operating Room of the Future

2003 – Dr. William Barsan – Emergency Department Planning
2002 – Dr. Jack Dixon – Genomics Research
2001 – Dr. Richard Prager – Heart Disease – Michigan's No. 1 Killer
2000 – Dr. Kath Williams – Sustainable Design in Healthcare
1999 – Joseph Diederich – The Rush to Ambulatory Care
1998 – Dr. Paul Watkins – Medical Breakthroughs – Bench to Bedside
1997 – Allen Lichter – New Developments in Radiology/Oncology
1996 – Dr. Reed Dunnick – Future Trends in Diagnostic Radiology - Dr. Max Wicha – Developments in Cancer Research - Kip Edwards – Project Budgeting – Reading Between the Lines
1995 - Charles Killian – Future Healthcare Delivery – Emphasis on Ambulatory Care
1994 – Don D. King – Healthcare Facilities Management in the '90s
1993 – Dick Hansen, FAIA – Facilities Master Plan - Ellen Gaucher – Total Quality - Victor Regnier, FAIA – Design for Elderly - Dr. Anita Olds – Design for Children

ASSOCIATION OF UNIVERSITY ARCHITECTS (AUA) – BIG TEN PLUS

Doug Hanna was a member of the Association of University Architects (AUA) for several years beginning in 1998. During his time in the association, he co-founded the Big Ten version of the AUA and has on two occasions hosted the annual get-together of this sub-organization. The group includes university architects and other associated employees from 15 universities, most of whom are Big Ten organizations. For over 15 years, this group has met annually for two fall days comparing information and conducting tours to help educate the participating members. The Big Ten Plus university architects group annual meetings have benefited the participating institutions in many ways. Comparing project delivery strategies, architects fees, firm performance, design guidelines, organizational structures, etc., has led to improvements for participating universities.

SECTION 2 {2.2} HONORS, AWARDS, RECOGNITION {NATIONAL, INTERNATIONAL & LOCAL}

The following awards are related to projects involving design efforts led by Doug Hanna.

NATIONAL AIA AWARDS	2011 AIA Honor Award for Architecture – UMMA – Allied Works Architecture/IDS (See Section 3.1, Exhibit 1) 2007 AIA Honor Award for Architecture – BSRB – Ennead (See Section 3.1, Exhibit 2) 2005 AIA Honor Award for Architecture – Hill Auditorium – Albert Kahn/Quinn Evans (See Section 3.1, Exhibit 3)
STATE AND LOCAL AIA AWARDS	2015 AIA Detroit Honor Award – GG Brown Mechanical Engineering Lab Addition– Perkins + Will 2015 AIA Michigan Steel Award – Phoenix Memorial Laboratory – LAS 2010 AIA Michigan Honor Award – UMMA – Allied Works Architecture/IDS 2009 AIA Michigan Chapter President's Award – Doug Hanna (See Section 3.1, Exhibit 10) 2009 AIA Detroit Honor Award – UMMA – Allied Works Architecture/IDS 2007 AIA Huron Valley Honor Award – Dearborn Engineering – LAS 2006 AIA New York Citation – BSRB – Ennead 2005 AIA Michigan Honor Award – Hill Auditorium – Albert Kahn/Quinn Evans 2005 AIA Detroit Honor Award – Hill Auditorium – Albert Kahn/Quinn Evans 2004 AIA New York Honor Award– UMMA –Allied Works Architecture/IDS 2004 AIA Portland Honor Award – UMMA – Allied Works Architecture/IDS 2003 AIA Eastern New York Honor Award – Haven Hall – EYP 2002 AIA Michigan Honor Award – Detroit Observatory – Quinn Evans 1998 AIA Austin Chapter Honor Award – Lurie Tower – Andersson Wise
OTHER PROFESSIONAL SOCIETY AWARDS	2011 Engineering Society of Detroit Outstanding Achievement Award for Building and Construction – Michigan Stadium – HNTB/Kallman McKinnel and Wood 2010 Society for College and University Planning, Honor Award – UMMA – Allied Works Architecture/IDS 2010 American Association of Museum's Gold MUSE Award, Interactive Design – UMMA – Allied Works Architecture/IDS 2009 Society of American Registered Architects, National Design Award – BSRB – Ennead 2009 Society of American Registered Architects, New York Council, Award of Merit – BSRB – Ennead 2009 Society of American Registered Architects, Design Award of Honor – Ross School of Business – KPF 2009 United States Institute for Theater Technology Architecture Award of Merit – Walgreen Drama Center – KPMB 2008 Chicago Athenaeum, American Architecture Award, Unbuilt Project – UMMA – Allied Works Architecture/IDS 2007 Chicago Athenaeum, Museum of Architecture & Design International Arch Award – Ross School of Business – KPF 2005 Engineering Society of Detroit Honor Award – Hill Auditorium – Albert Kahn/Quinn Evans 2005 Michigan State Historic Preservation Award – Hill Auditorium – Albert Kahn/Quinn Evans 2004 AISC (National) Engineering Award of Excellence Merit Award – S.T. Dana Courtyard Infill – Structural Design Incorporated (See Section 3.1, Exhibit 9) 2004 Portland Design Collaborative, Gold Medal Award – Unbuilt Project – UMMA -Allied Works Architecture/IDS 2000 Michigan Historic Preservation Network, Annual Award – Detroit Observatory – Quinn Evans 1999 American Association for State and Local History, Award of Merit – Detroit Observatory –Quinn Evans 1990 AIA Health Facilities Review/Award Citation – Taubman Health Center – TMP

Other Awards

2014 Athletic Business Facility of Merit Award – Crisler Arena – TMP/SCD
2013 Engineering News Record Midwest Best Projects Award, Sports/Entertainment Category – Crisler Arena – TMP/SCD
2013 Education Design Showcase, Project of Distinction – Crisler Arena – TMP/SCD
2011 Brick Institute of America, Outstanding Project Award – Michigan Stadium – HNTB/Kallman McKinnel and Wood
2011 Real Estate Construction Review, Build America Collaboration Award, Gold Medal – Glick Field House – TMP (JLP)
2011 Excellence in Masonry Design Honor Award – UMMA – Allied Works Architecture/IDS
2010 Masonry Institute Excellence in Masonry Award – Glick Field House – TMP (JLP)
2010 Engineering News Record Magazine, Best of Year – Sports – Michigan Stadium – HNTB/Kallman McKinnel and Wood
2010 Midwest Construction Magazine, Best of Year – Michigan Stadium – HNTB/Kallman McKinnel and Wood
2010 International Association of Lighting Designers Award of Merit – Ross School of Business – KPF
2008 Brick Industry Association, Brick in Arch Bronze Award – Computer Science and Engineering – Diamond Schmitt Architects
2007 National Ornamental & Miscellaneous Metals Association Award - Best Monumental Stair – Computer Science and Engineering – Diamond Schmitt Architects
2003 Canadian Architect Magazine, Art of CAD Award, Applied Rendering, Honorable Mention – Computer Science and Engineering – Diamond Schmitt Architects
1986 Modern Health Care, Design Award – Taubman Health Center – TMP

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) PROJECTS

Douglas Hanna has mandated and enforced a strict LEED Silver rating on all new construction projects over $10 million that he manages since 2007. By committing the university to such a strict standard, he has reduced UM's negative impact on the environment and helped recognize the university's Campus Sustainable Goal Guiding Principle for healthy environments: "We will pursue land and water management, built environment, and product sourcing strategies toward improving the health of ecosystems and communities."

The LEED® for New Construction Rating System (LEED-NC) defines the leadership position for designing and building commercial, institutional and government buildings in a way that produces quantifiable benefits for occupants, the environment and their owners. It has emerged as the national leader in market transformation of the commercial sector, making a convincing value proposition for green building. – USGBC

LEED v2.0 Certified	• Dana Building Renovation: LEED New Construction (NC) Rules - Gold • GG Brown Mechanical Engineering Lab Addition: LEED NC-Gold
LEED v2.1 Certified	• Ross School of Business: LEED NC-Silver
LEED v2.2 Certified	• Law School Academic Building (South Hall): LEED NC-Gold
LEED v2009 Certified	• Crisler Center Expansion: LEED NC-Gold • Michigan Memorial Phoenix Laboratory Addition: LEED NC-Gold • Institute for Social Research Expansion: LEED NC-Gold
LEED v2009 Registered	• School of Nursing New Building: LEED-NC • Taubman Health Sciences Library: LEED-NC • William K. and Delores S. Brehm Pavilion: LEED-NC • Munger Graduate Residences: LEED-NC • Stephen M. Ross School of Business Kresge Renovation and New Academic Building: LEED-NC • Biological Sciences Building: LEED-NC • A. Alfred Taubman Wing Project: LEED-NC • Transportation Operations and Maintenance Facility: LEED-NC

Douglas Hanna has been quoted or referenced in articles, and projects, under his responsibility, have been referenced numerous times in news media.

Architect Magazine & Architectural Record

Solomon, Nancy. (2015). "Tapping the Synergies of Green Building and Historic Preservation." The Architectural Record (online). http://archrecord.construction.com/features/green/archives/0307edit-4.asp

Lord Aeck Sargent. (2014, January 9). "Michigan Memorial Phoenix Laboratory." Architect Magazine (online). Retrieved from http://www.architectmagazine.com/project-gallery/michigan-memorial-phoenix-laboratory

Allied Works Architecture. (2012, July 17). "University of Michigan Museum of Art – Allied Works Architecture." Architect Magazine (online). Retrieved from http://www.architectmagazine.com/project-gallery/university-of-michigan-museum-of-art

Dickinson, Elizabeth. (2011, April 28). "University of Michigan Museum of Art, Ann Arbor, Mich." Architect Magazine (online). Retrieved from http://www.architectmagazine.com/design/buildings/university-of-michigan-museum-of-art-ann-arbor-mich_o

(2011, April). "University of Michigan Museum of Art." Architect Magazine (online).

(2011, January 12). "UMMA National Honor Awards." Architect Magazine (online).

(2010, May 1). "AIA Honor Awards – 2005." Architectural Record (online). Retrieved from http://archrecord.construction.com/features/aiaawards/05architecture.asp

Sokol, David. (2009, December). "University of Michigan Museum of Art." Architectural Record (online). Retrieved from http://archrecord.construction.com/projects/bts/archives/museums/0912_UMMA/

Snoonian, Deborah. (2009). "Man As A Meter." Architectural Record (online). Retrieved from http://archrecord.construction.com/features/archives/0209feature-1.asp

Sokol, David. (2007, January 16). "Twenty-Nine Exemplary Works Earn 2007 AIA Honor Awards." Architectural Record (online)

(2006, July). "Atrium links two different masses." Architectural Record (online).

Polshek Partnership Architects. (2006, June). "Biomedical Science Research Building, University of Michigan." Architectural Record (online). Retrieved from http://archrecord.construction.com/projects/bts/archives/labs/06_BSR_univMich/

(2005, May). "AIA Honor Awards – 2005 Hill Auditorium." Architectural Record (online).

Beaton, Audrey. (2004, July 12). "Allied Works Unveils Addition Design for University of Michigan Museum of Art." Architectural Record, Daily News. Retrieved from http://archrecord.construction.com/news/daily/archives/040712allied.asp

Lubell, Sam. (2003, October 16). "Allied Works Chosen to Oversee Expansion of University of Michigan Museum of Art." Architectural Record, Daily News. Retrieved from http://archrecord.construction.com/news/daily/archives/031016allied.asp

Diamond Schmitt Architects. (ND). "Computer Science and Engineering Building, University of Michigan." Architectural Record (online). Retrieved from http://archrecord.construction.com/projects/bts/archives/labs/06_compLang_UMich/

(ND). "Biomedical Science Research Building – Building Types Study." Architectural Record (online).

(ND). "Computer Science & Engineering Building – Building Types Study." Architectural Record (online).

Recognized By Name

TMP Architecture, Inc. (2015). "Al Glick Field House: Project of Distinction Winner 2010 Education Design Showcase." Retrieved from http://www.educationdesignshowcase.com/view.esiml?pid=293%20-%20architects

Michigan Architectural Foundation. (2011, April 20). "Health Facilities Planning Seminar Draws 400 Attendees." Michigan Architectural Foundation (online). Retrieved from http://www.michiganarchitecturalfoundation.org/may-07/

(2009, May 20). "Excellence Identified and Honored by AIA." Dbusiness (online). Retrieved from http://www.dbusiness.com/May-June-2009/Excellence-Identified-and-Honored-by-AIA/#.Va-yVvlVhBc

Pepple, Steve. (2008, August 15). "Bottom Line: Michigan Stadium Will Be Ready For Fans On Opening Day" [Web log comment]. Retrieved from http://blog.mlive.com/annarbornews/2008/08/bottom_line_michigan_stadium_w.html

Headlee, Celeste (Narrator). (2008, August 27). "A Battle To Be The Biggest Stadium" [Radio Broadcast Episode]. Sports. Washington, DC: National Public Radio.

Feldman, Dan. (2008, August 14). "Inside the Michigan Stadium Construction." The Michigan Daily, Sports (online). Retrieved from http://www.michigandaily.com/content/inside-michigan-stadium-construction

Streicher, Nick. (2007, April 10). "Sound Science." The Michigan Daily, News (online). Retrieved from http://www.michigandaily.com/content/sound-science

Bogater, Jill. (2007, October 1). "Media Tour Touts New Big House Design, Accessibility." The University Record (online). Retrieved from http://ur.umich.edu/0708/Oct01_07/04.shtml

Snyder, Mark. (2007, August 15). "A Steel Feel: Inside U-M's $226M Stadium Renovation." Detroit Free Press (online). Retrieved from http://archive.freep.com/article/20080815/SPORTS06/808150416/A-steel-feel-Inside-U-M-s-226M-stadium-renovation

Allied Works Architecture. (2006, October 23). "Michigan Museum of Art (UMMA)." Retrieved from http://www.arcspace.com/features/allied-works-architecture/michigan-museum-of-art-umma/

Kolodgy, Megan. (2005, October 5). "Renovations 'A Work in Progress.'" The Michigan Daily, News (online). Retrieved from http://www.michigandaily.com/content/renovations-work-progress

Strother, Michael. (ND). "UM Football Stadium Podcast." Guide to Ann Arbor Architecture Podcasts. AIA Huron Valley (online). Retrieved from http://www.aiahv.org/page-1493169

HANNA-MANAGED PROJECT ARTICLES

Elger, Dana. (2015, Sept 11). "University Climbs to Gold Rating for Sustainability Performance." The University Record (online). https://record.umich.edu/articles/university-climbs-gold-rating-sustainability-performance

Pinho, Kirk. (2015, Sept 11). "8 Architecture Firms Receive AIA Detroit Awards for 11 Different Projects." Crain's Detroit Business (online).

Allen, Jeremy. (2014, Oct 9). "U-M to Unveil New $46M Nanomechanical Engineering Addition to G. G. Brown Laboratories." The Ann Arbor News (online.)

(2014, March 19). "Michigan Memorial Phoenix Laboratory, Phase II." TradeLine (online). Retrieved from https://www.tradelineinc.com/reports/2014-3/michigan-memorial-phoenix-laboratory-phase-ii

Bryan, Claire. (2014, February 20). "New Biology Building and Other Projects Approved by Regents." The Michigan Daily (online). Retrieved from https://www.michigandaily.com/news/new-biology-building-and-other-projects-approved-regents

Arch Daily. (2011, February 25). "University of Michigan Museum of Art/Allied Works Architecture." Retrieved from http://www.archdaily.com/112010/university-of-michigan-museum-of-art-allied-works-architecture

Hodges, Michael. (2009, March 26). "University of Michigan Museum of Art's $42M Makeover Opens to Public on Saturday." The Detroit News (online). Retrieved from http://www.detroitnews.com/article/20090326/ENT01/903260417

LeLeivre, Roger. (2009, March 21). "Bells Welcome New University of Michigan Museum of art and its $41.9 Million Addition." MLive (online). Retrieved from http://www.mlive.com/news/ann-arbor/index.ssf/2009/03/it_will_be_easy_to.html

(2009). "Profile Series: University of Michigan, Biomedical Science Research Building." Polshek Partnership.

(2008, October). "Facility Focus: University of Michigan Biomedical Science Research Building." College Planning & Management.

Bomey, Nathan. (2008, January 10). "U-M Biomedical Science building at 100% capacity." Ann Arbor Business Review.

(2007, February 1). "AIA Institute Honor Awards 2007." The Architect's Newspaper.

Gershman, Dave. (2007, January 18). "Biomedical science building wins international award." The Ann Arbor News.

Reuter, Anne. (2005, September 13). "Chipping away at convention 'Pringle' auditorium provides human scale to new U-M building." Ann Arbor News.

(2003). "University of Michigan Medical School Biomedical Research Facility." Real Estate and Construction Review, Vol. 3, 2003.

Swaney, Paul. (ND) "Crisler Center, Go Blue." Stadium Journey Magazine (online). Retrieved from http://www.stadiumjourney.com/stadiums/crisler-center-s831

Michigan Department of Environmental Quality. (ND). "U of M – Samuel T. Dana Building Case Study." Retrieved from https://www.michigan.gov/documents/deq/deq-ess-p2tas-UofM_Danabldg_231487_7.pdf

Exhibit 1	UNIVERSITY OF MICHIGAN MUSEUM OF ART (UMMA)	Pages 22 and 23: Photos and renderings provided by Allied Works Architecture
Exhibit 2	NEW BIOMEDICAL SCIENCE AND RESEARCH BUILDING (BSRB)	Page 24: Aerial photo by John Sullivan: Page 25: Photos and renderings provided by Ennead Architects
Exhibit 3	HILL AUDITORIUM	Page 26: Unknown; Page 27: Photos provided by Quinn Evans Architecture
Exhibit 4	MICHIGAN STADIUM	Page 28: Unknown; Page 29: Photos provided by HNTB
Exhibit 5	S. T. DANA BUILDING	Page 30: Photo by UM; Page 31: Top left photo taken by Exxel Engineering, Inc, all other photos taken by Christopher Cambell , graphic provided by UM
Exhibit 6	REPLACEMENT HOSPITAL PROJECT	Page 32: Aerial photo by John Sullivan; Page 33:All pictures unknown
Exhibit 7	CRISLER CENTER	Pages 34 and 35: Photo and renderings provided by Sink Coms Dethlefs (SCD)
Exhibit 8	BIOLOGICAL SCIENCE BUILDING (BSB)	Pages 36 and 37: All renderings provided by Ennead Architects
Exhibit 9	GEORGE GRANGER BROWN MECHANICAL ENGINEERING AND SCIENCE BUILDING	Page 38: All photos taken by James Haefner Photography
Exhibit 10	AIA MICHIGAN CHAPTER PRESIDENT'S AWARD	

The University of Michigan Museum of Art Addition and Renovation Project added approximately 50,000 sf to the existing 50,000 sf museum building, Alumni Memorial Hall (AMH). AMH was constructed in 1910 as a Greek Revival structure and was in need of serious upgrading when the project began. The most interesting feature is the resulting art path which seamlessly guides art patrons through the series of galleries. The art path, having been conceived by the architect while organizing the interior spaces, was able to become the central theme of the design and the single biggest factor in the successful outcome of the project. The project has won numerous awards including the National AIA Honor Award for Architecture in 2011.

A new addition to an existing historic building reads as a new building and true to itself." **AIA Jury**

Architectural Firm of Record: Allied Works Architecture working in conjunction with IDS

Completion Date: 2008

Challenges:

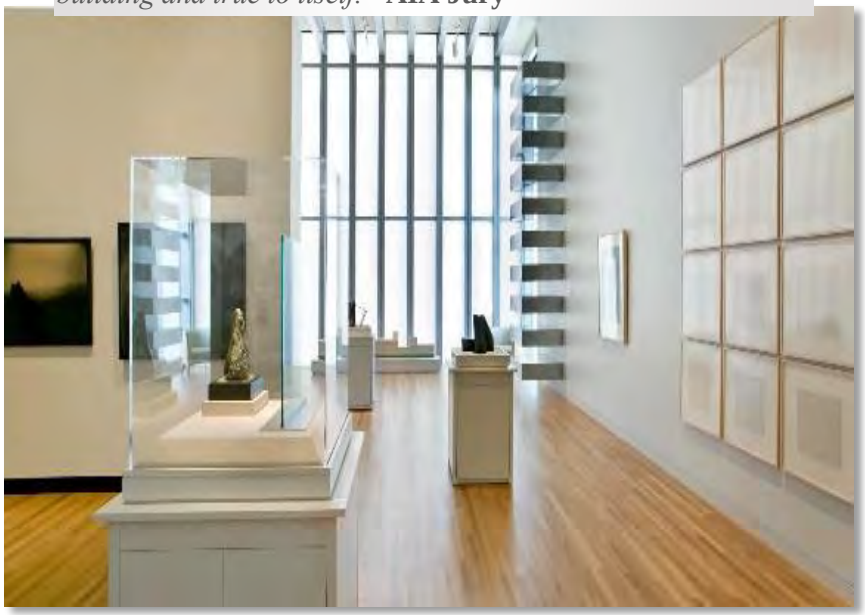
- Expand museum by adding several new galleries and support spaces
- Renew aging existing facility for the next 50 years
- Entice students and visitors to enter and increase art awareness

Role:

- Chaired architect selection committee
- Negotiated contract and arranged teaming with a local architectural firm
- Organized planning participants and scheduled all design meetings
- Provided design input and critiqued all proposed design options/elements

Outcome:

- National AIA Honor Award for Architecture
- Well-received aesthetics among university/public community
- Complete art path through both buildings
- Successful gallery exposure to main campus exterior student circulation path



I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
James Steward, Former Director
University of Michigan Museum of Art

{3.1} EXHIBIT 1 CONT'D {UNIVERSITY OF MICHIGAN MUSEUM OF ART (UMMA)}

Awards Received: (See Section 2.3 for full citation)
2011 AIA National
2010 AIA Michigan
2009 AIA Detroit
2004 AIA New York
2004 AIA Portland
2011 Excellence in Masonry Design
2010 American Association of Museum's Gold MUSE Award
2010 Society for College and University Planning
2008 Chicago Athenaeum, American Architecture Award
2004 Portland Design Collaborative, Gold Medal Award

Publications: (See Section 2.3 for full citations)
Architect Magazine (2012, July 17)
Architect Magazine (2011, April)
Arch Daily. (2011, February 25)
Architect Magazine (2011, January 12)
Architect Magazine (2011, April 28)
MLive (2009, March 21)
The Detroit News (2009, March 26)
Architectural Record (2009, December)
Allied Works Architecture (2006, October 23)
Architectural Record (2004, July 12)
Architectural Record (2003, October 16)

"This elegantly understated, thoughtfully detailed, well proportioned, and carefully planned addition is respectful of the original Beaux-Arts building without replicating its form," the jury commented. "Quiet, yet beautiful new spaces and sensitively restored existing spaces... together energize and activate the entire building." AIA Honor Award Jury

{3.1} EXHIBIT 2 {NEW BIOMEDICAL SCIENCE AND RESEARCH BUILDING (BSRB)}

The BSRB is a state-of-the-art research complex nearly half a million sf. One of its more exceptional features is the use of "House Air" ventilation system that delivers outside air directly to research animal cages rather than the spaces where the cages are kept. This design significantly reduced the amount of energy the building uses within its 240 laboratories and 120 offices. Doug managed the programming and conceptual design phase (pre-design) using Shepley Bulfinch. Then upon selecting Polshek for the design, he negotiated the architect's agreement and managed the design phase of the project, participating in all of the design meetings.

Architectural Firm of Record: Polshek Partnership (now Ennead Architects)
Completion Date: 2005
Challenge:

- Maximize land use in providing biomedical laboratories
- Signature building for attracting top research scientists to UM
- Provide significant gathering space for large medical school functions
- Provide state-of-the-art research laboratories

Role:

- Chaired selection committee, chose architect
- Negotiated contract with successful design architect
- Organized project team including dozens of design committees
- Provided design input and critiqued all proposed design options/elements

Outcome:

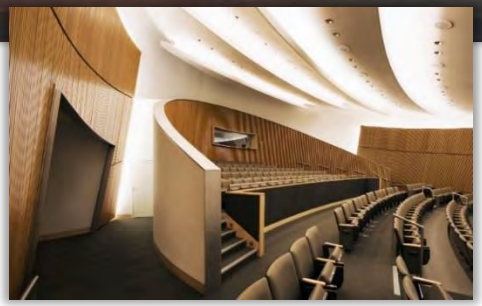
- National AIA Honor Award for Architecture
- Signature building
- Well-received aesthetics among university/public community
- Successful recruiting result reported by medical school
- Innovative ventilation system significantly reduces amount of energy used

I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
Todd Schliemann, Partner
Ennead and Lead Designer for BSRB

{3.1} EXHIBIT 2 CONT'D {NEW BIOLOGICAL SCIENCE AND RESEARCH BUILDING (BSRB)}

:



Awards Received: (See Section 2.3 for full citations)
2007 AIA National
2006 AIA New York
2009 Society of American Registered Architects, National Design Award
2009 Society of American Registered Architects, Award of Merit

Publications: (See Section 2.3 for full citations)
Arch Daily (2011, February 25)
Polshek Partnership (2009)
Architectural Record (2009)
College Planning and Management (2008, October)
Architectural Record (2007, January 16)
Architectural Record (2006, June)
Ann Arbor News (2005, Sept 13)
Architectural Record (ND)

{3.1} EXHIBIT 3 {HILL AUDITORIUM}

Hill Auditorium was designed by the great Albert Kahn in 1913. The building was originally designed to house over 4,500 audience members covering three balconies. The building had not undergone any major update since 1949 and was seriously in need of improvements. The facility was not air conditioned and the heating system was too noisy to be run during any performance. This renovation project replaced the heating system and added an air conditioning system in a new, separate underground addition to isolate sound. The original details (including original colors) were incorporated as much as possible. Two elevators, bathrooms, and cross aisles that included additional seating for the disabled were also added. Mr. Hanna spent 10 years with the university working on and off to make this project happen as it did. The finished building is magnificent with restored lighting, fresh gold leaf paint, and improved amenities, its glory recognized by the AIA National Honor Award for Architecture in 2005.

Architectural Firm of Record: Albert Kahn Associates
Design/Historic Preservation Architect: Quinn Evans Architects
Completion Date: 2013
Challenge:

- Renew facility for the first time since 1949; replace all main building systems
- Maintain highly reputed acoustic quality of hall while restoring many of the historic features (lights, colors, etc.)
- Restore exterior enclosure without negatively affecting historic character of original 1913 Kahn building
- Improve accessibility and restroom accommodations

Role:

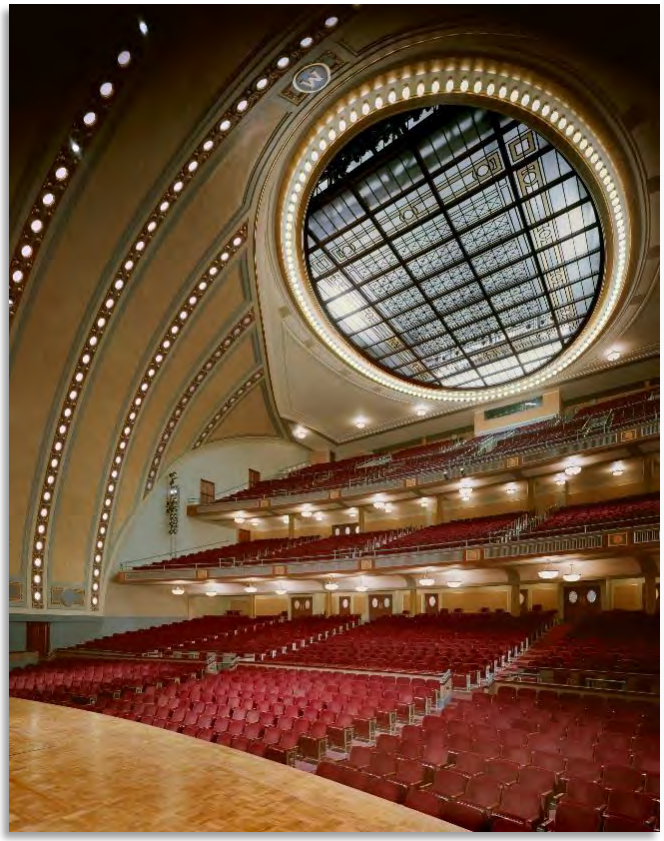
- Engaged architect team of Kahn and Quinn Evans
- Organized and led large project team involving many internal design committees
- Provided design input and critiqued all proposed design options/elements while overseeing all aspects of design phase

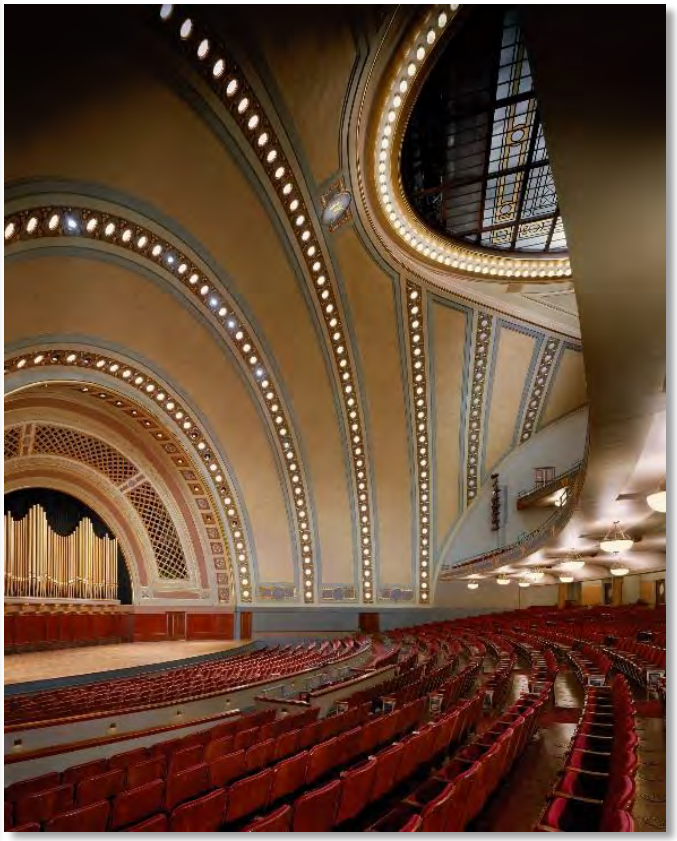
Outcome:

- Building and systems completely renewed for the next 40 years; HVAC can now be run during performances in own separate underground addition
- Extensive testing revealed no negative impact on the acoustic quality of hall
- Original feature lighting added back into the building; recreation of historical original colorful paint scheme
- Substantial numbers of restroom fixtures added while focusing on convenience for women
- Patron seating reduced by hundreds to accommodate significant numbers of seats for disabled

I have personal knowledge of the nominee's responsibility for the project listed above. *Project under direction of nominee for planning & design.*

_____
Steve Whitney, Chairman Emeritus
Albert Kahn Associates





Awards Received:
(See Section 2.3 for full citations)
2005 AIA National
2005 AIA Michigan
2005 AIA Detroit

Publications:
(See Section 2.3 for full citations)
Architectural Record (2010, May 1)
Architectural Record (2005, May)

{3.1} EXHIBIT 4 {MICHIGAN STADIUM}

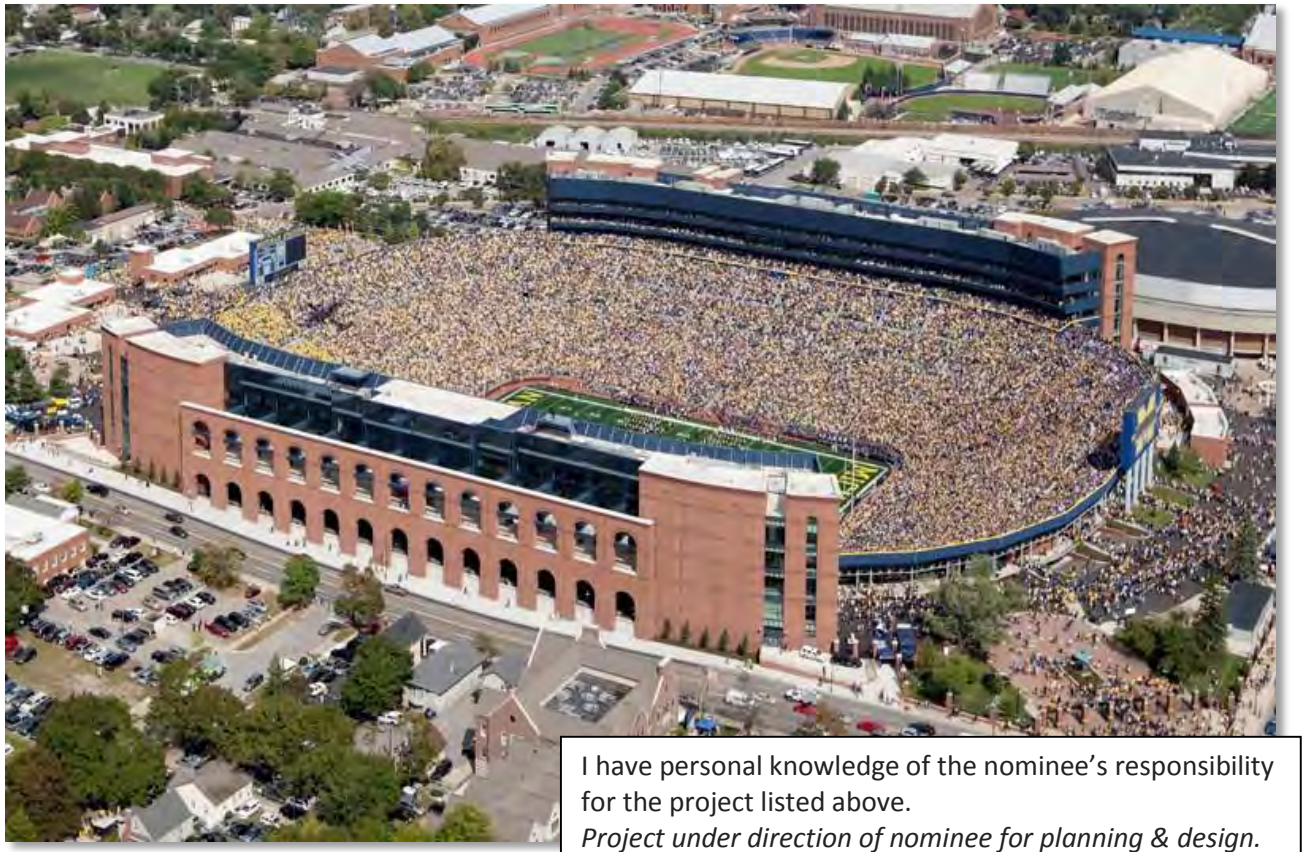
Michigan Stadium was originally built in 1927 with a capacity of 72,000 and later expanded to bring it up to the pre-project capacity of 107,501, the largest football stadium in the US. This project added 83 suites, 3,200 club seats, and significantly enhanced the average fan experience by adding numerous restroom facilities, many concession points, larger scoreboards, improved sound projection and clearer pedestrian circulation. Also added were distributed seating and safety railings for the disabled. The project was extremely controversial to long term fans and alumni because of the significant massing change, as well as the principle of providing special costly seating for the elite. Many community presentations were necessary to sell the idea and gain feedback from across the state and from the alumni base. The completed project has been widely well received.

Architectural Firm of Record: HNTB
Design Architect: KMW
Completion Date: 2010
Challenge:

- Add significant numbers of suites and club seats to stadium
- Improve accommodations for disabled without reducing stadium capacity
- Select a design scheme that will be well received by the university community
- Enhance fan experience for game day
- Improve bathroom and concession accommodations

Role:

- Chaired selection committee for choosing architect
- Provided design input and critiqued all proposed design options/elements while overseeing all aspects of the design phase of the project
- Reviewed and cleared all accessibility concerns with the Department of Justice
- Presented design options to UM Board of Regents



I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

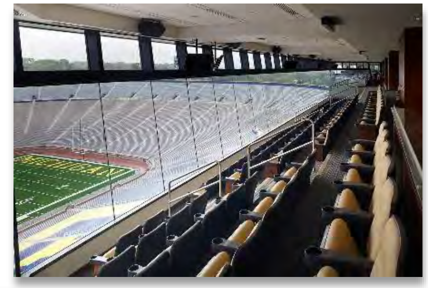
_____
William Martin, Former Athletic Director
University of Michigan

Outcome:

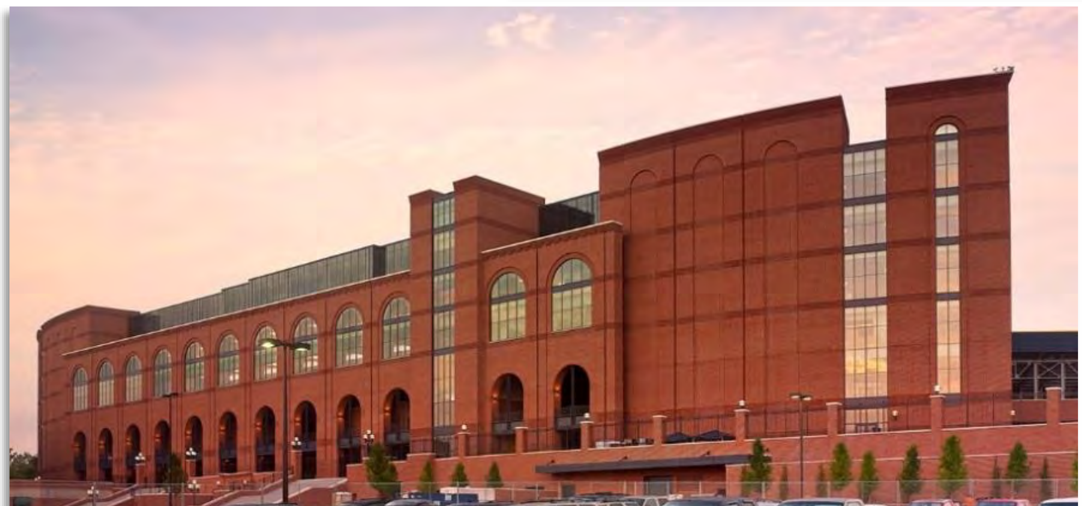
- Added 83 suites (16 seats) and 3,200 club seats to stadium
- Added significant numbers of spaces for disabled; handrails in many aisles
- Design well-received by university community, public, and press
- Fan experience enhanced by better circulation, more concessions/bathrooms, better sound quality and enlarged scoreboards

{3.1} EXHIBIT 4 CONT'D {MICHIGAN STADIUM}

Awards Received: (See Section 2.3 for full citations)
2011 Engineering Society of Detroit
2011 Brick Institute of America
2010 Engineering News Record Magazine, Best of Year
2010 Midwest Construction Magazine, Best of Year



Publications: (See Section 2.3 for full citations)
National Public Radio (2008, August 27)
The Michigan Daily (2008, August 14)
The Michigan Daily (2008, August 15)
Ann Arbor News (2008, August 15)
Detroit Free Press (2007, August 15)
The University Record (2007, October 5)
The University Record (2007, October 1)
The Michigan Daily (2005, October 5)
AIA Huron Valley (ND)



"Doug Hanna had the vision to make the practical necessity of an enlargement of the University Stadium into a major statement of the University of Michigan's commitment to distinguished architecture." Michael McKinnell – FAIA, Partner, KMW

{3.1} EXHIBIT 5 {S. T. DANA BUILDING}

The S.T. Dana Building was initially constructed in 1903 and was designed by Spier and Rohns. The facility houses classrooms and research laboratories in addition to offices and community space. The building was in serious need of updating and the School of Natural Resources and Environment needed more space for their current and expanding functions. The original building was built as a medical facility with an internal rectangular open air courtyard. The first phase of this project creatively filled in the courtyard with an umbrella shaped structure allowing the addition of an upper level in the building that could not be supported otherwise. This was ingenious and set the stage for a two phase project, the second of which became a LEED Gold undertaking that was granted under the rules that came before LEED was tailored to existing buildings.

Architectural Firm of Record: Quinn Evans Architects

Design Architect: William McDonough + Partners

Completion Date: 2003

Challenge:

- Expand 1903 building without negatively impacting historic character
- Renew facility while focusing on sustainability
- Renew building systems in energy efficient ways
- Create central atrium for student activity

Role:

- Chaired selection committee for choosing an architect
- Provided design input and critiqued all proposed design options/elements while overseeing all aspects of the design for Phase 2 of the project
- Worked closely with design team on selecting design elements to achieve LEED Gold

Outcome:

- Added approximately 15,000 sf by filling in courtyard and creatively fitting out a new upper level
- Updated all building systems and included chilled beams and compost toilets
- Completed new central atrium as part of the courtyard infill (see photos)
- First LEED Gold Renovation in State (an historic building under original NC LEED rules)

I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
Michael Quinn, Principal and Co-founder
Quinn Evans Architects

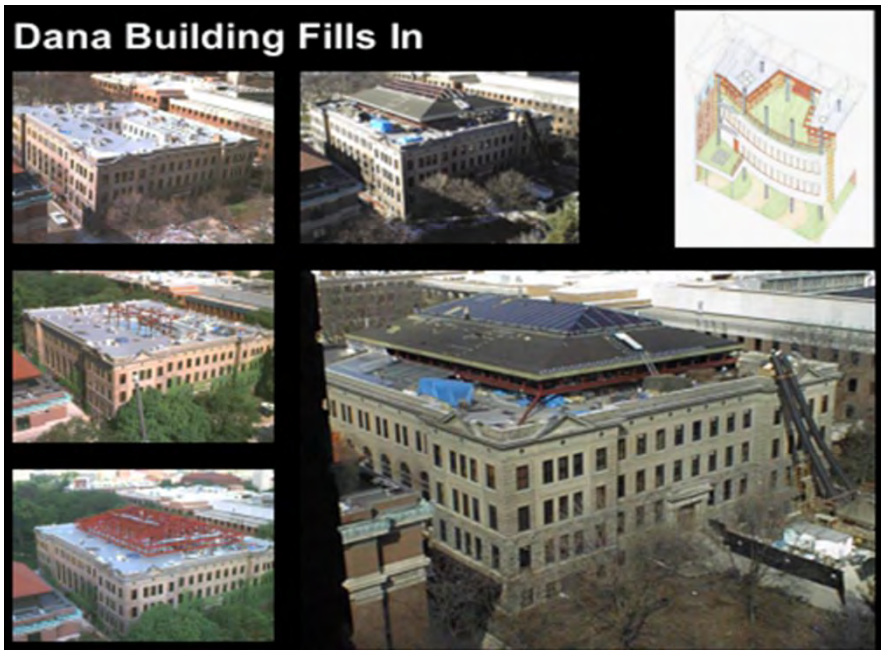
{3.1} EXHIBIT 5 CONT'D {S. T. DANA BUILDING}

LEED GOLD

- 31% reduction in water use through the installation of low-flow plumbing fixtures, composting toilets, and waterless urinal
- 30% reduction in energy use through the installation of high-efficiency lighting and one of the first ceiling-mounted radiant cooling systems in the U.S.
- The retention of the building's historic 1903 structure and shell, while upgrading the building to create a state-of-the-art educational environment

Awards Received:
LEED Gold Certified
2004 AISC Engineering Award of Excellence

Publications:
The University Record (2015, Sept 11)
The Architectural Record (2015)
MI Department of Environmental Quality (ND)



{3.1} EXHIBIT 6 {UNIVERSITY OF MICHIGAN REPLACEMENT HOSPITAL PROJECT (RHP)}

Built in the early 1980's, this hospital complex was designed by Albert Kahn Associates, TMP Associates, and Handson Lind Meyer. It included 1.2 million sf of inpatient space (including 200,000 of interstitial space) and 300,000 sf for the outpatient clinics. Mr. Hanna spent his first year on the project designing the operating suites and patient units of the building. Subsequently, he was placed in charge of all construction administration. At peak time, Mr. Hanna and his staff coordinated the construction activity involving 60 on-site individuals working for the construction manager and 17 on-site architect representatives. The project was completed on time and within budget due in large part to the influence of Mr. Hanna and his team.

Architectural Firms of Record: Albert Kahn Associates, TMP Assoc. (Clinics)
Design Architect: Hansen Lind Meyer (Clinics)
Completion Date: 1986
Challenge:

- Completely replace academic hospital and clinics (1.5 mil sf)
- Design state-of-the-art diagnostic and treatment spaces and inpatient bed units
- Meet budget and schedule while working in the public eye (largest state related project ever)
- Produce design of large facility where wayfinding does not become an obstacle for patients

Role:

- Established design guidelines for creating a first rate Operating Room Suite and repetitive 32-bed patient units
- Managed construction phase of project; managed $20 mil construction contingency budget and made all change order approvals

Outcome:

- Completed on time and within budget
- Hospital very successful and has edged against full occupancy since opening day in 1986
- These facilities have "set the bar" for many years following occupancy; Admired and visited by many organizations from around the world

I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for design of ORs and inpatient units; Construction administration of entire complex.

_____
Joe Diederich, Former Associate Hospital Director (Vice President) and Program Manager for the Replacement Hospital Project
University of Michigan Hospitals

{3.1} EXHIBIT 6 {UNIVERSITY OF MICHIGAN REPLACEMENT HOSPITAL PROJECT (RHP)}

The project was fast tracked (overlapping design and construction) with a construction manager (Barton Malow) at a time when the inflation rate was toping 12% per year. The university held prime contracts with nearly 200 trade contractors.

Awards: U-M Hospitals and Health Centers Awarded for Environmental Sustainability for 12th Straight Year

{3.1} EXHIBIT 7 {CRISLER CENTER}

The Crisler Center Project was executed in three parts: a practice facility addition, infrastructure improvements, and a functional renovation/addition ($100 mil total). The original arena was designed in the mid 1960's by architects K.C. Black and C.L. Dworsky. The original building accommodated approximately 14,000 spectators and was sited adjacent to Michigan Stadium ("Big House"). The building had not been significantly updated since originally constructed and the basketball team was in need of additional space to properly compete in the increasingly competitive collegiate sports world of today. The projects added new enclosed lobby space, club seating, a club lounge, improved/brighter circulation space, a state-of-the-art practice facility (with separate entry and lobby), and a complete interior face lift.

Architectural Firm of Record: TMP Associates
Design Architect: Sink Combs Dethlefs
Completion Date: 2010
Challenge:

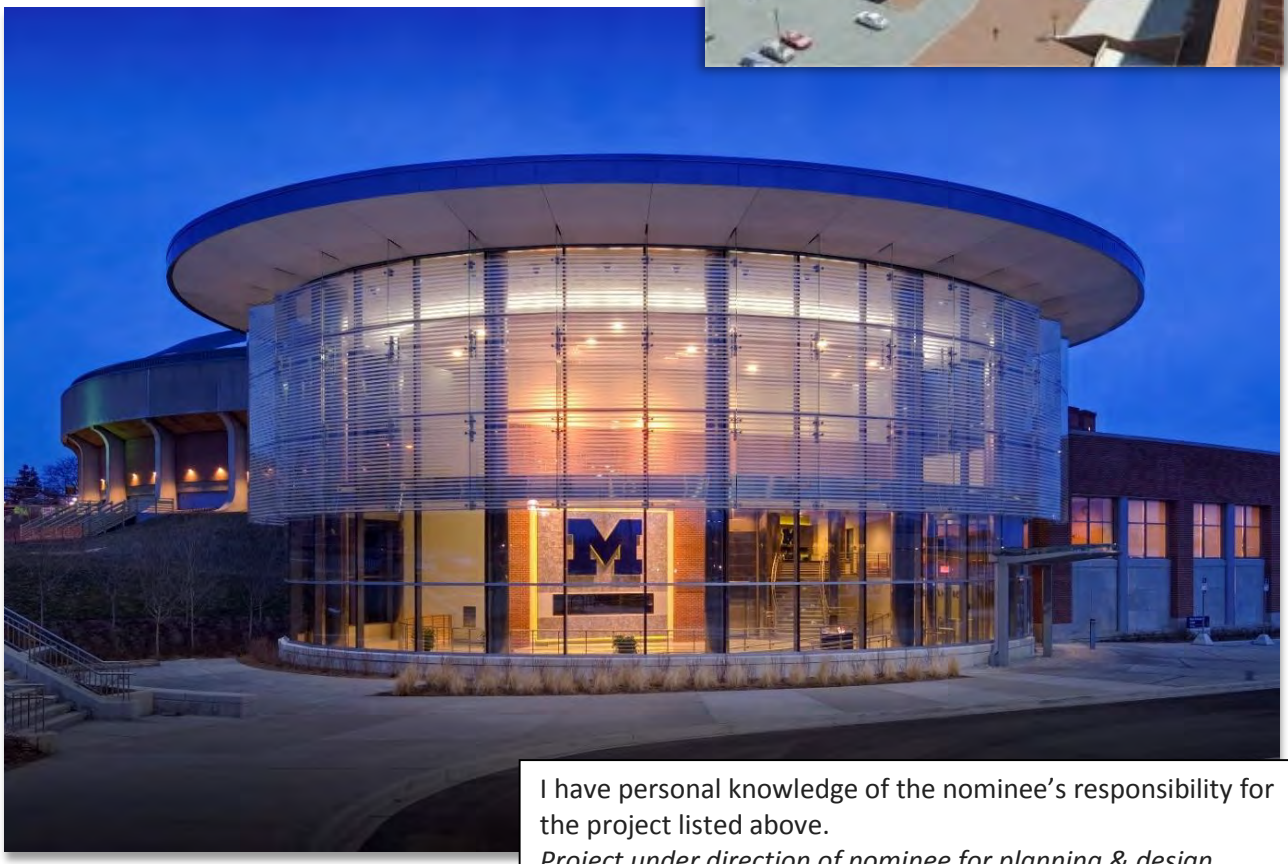
- Add state-of-the-art basketball practice facility
- Renew aging arena with updated energy efficient building systems
- Add club lounge and generally enliven public spaces of arena
- Design in a way to allow renovation construction to be completed in one off season using multiple shifts (major challenge)

Role:

- Chaired architect selection committee
- Negotiated contract with successful design architect
- Organized and led project team including many internal design committees
- Provided design input and critiqued all proposed design options/elements

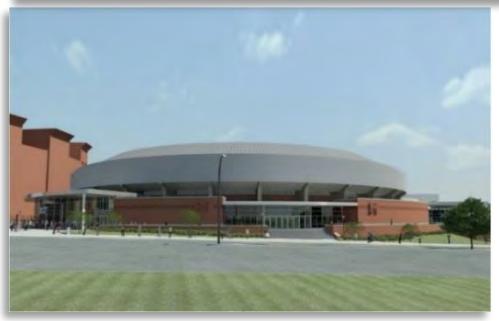
Outcome:

- Practice facility well-received by basketball coach and team
- Team recruiting improved significantly according to coaches
- Fan experience significantly improved by adding daylight to public spaces in arena
- Significantly increased bathroom facilities and seating for disabled patrons



I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
William Martin, Former Athletic Director
University of Michigan



Awards:
LEED Gold Certified
2014 Athletic Business Facility of Merit Award
2013 Education Design Showcase

Publications:
M Go Blue (2014, October 10)
Stadium Journey Magazine (ND)

Stadium Journey Magazine ranks the final product with high marks and comments "Crisler Center has truly transformed from a very ordinary college basketball arena to one of the best facilities in the country…"

{3.1} EXHIBIT 8 {BIOLOGICAL SCIENCES BUILDING (BSB)}

The Biological Sciences Building (BSB) is currently in the design phase with plans to break ground in fall 2015. It is approximately 300,000 sf and will cost $261 million. It includes teaching laboratories, classrooms, and a complete museum of natural history. The dual atria are intended to be used as galleries for the vast number of natural history artifacts owned by UM, including a large exhibit of dinosaur bones. Mr. Hanna has been a significant contributor to the design of this project from the inception.

Architectural Firm of Record: SmithGroupJJR
Design Architect: Ennead Architects
Completion Date: Projected 2018
Challenge:

- Create a design aesthetic for a large building within context of surrounding area
- Fit site while maintaining quality outdoor spaces conducive to a campus setting
- Integrate natural history museum in a building that exposes research taking place within
- Create building form for large structure that plays to human scale

Role:

- Chaired selection committee to choose architect
- Negotiated contract with successful design architect team
- Provided design input and critiqued all proposed design options/elements while overseeing all aspects of project design phase
- Oversight given to organization of project team involving multiple design committees

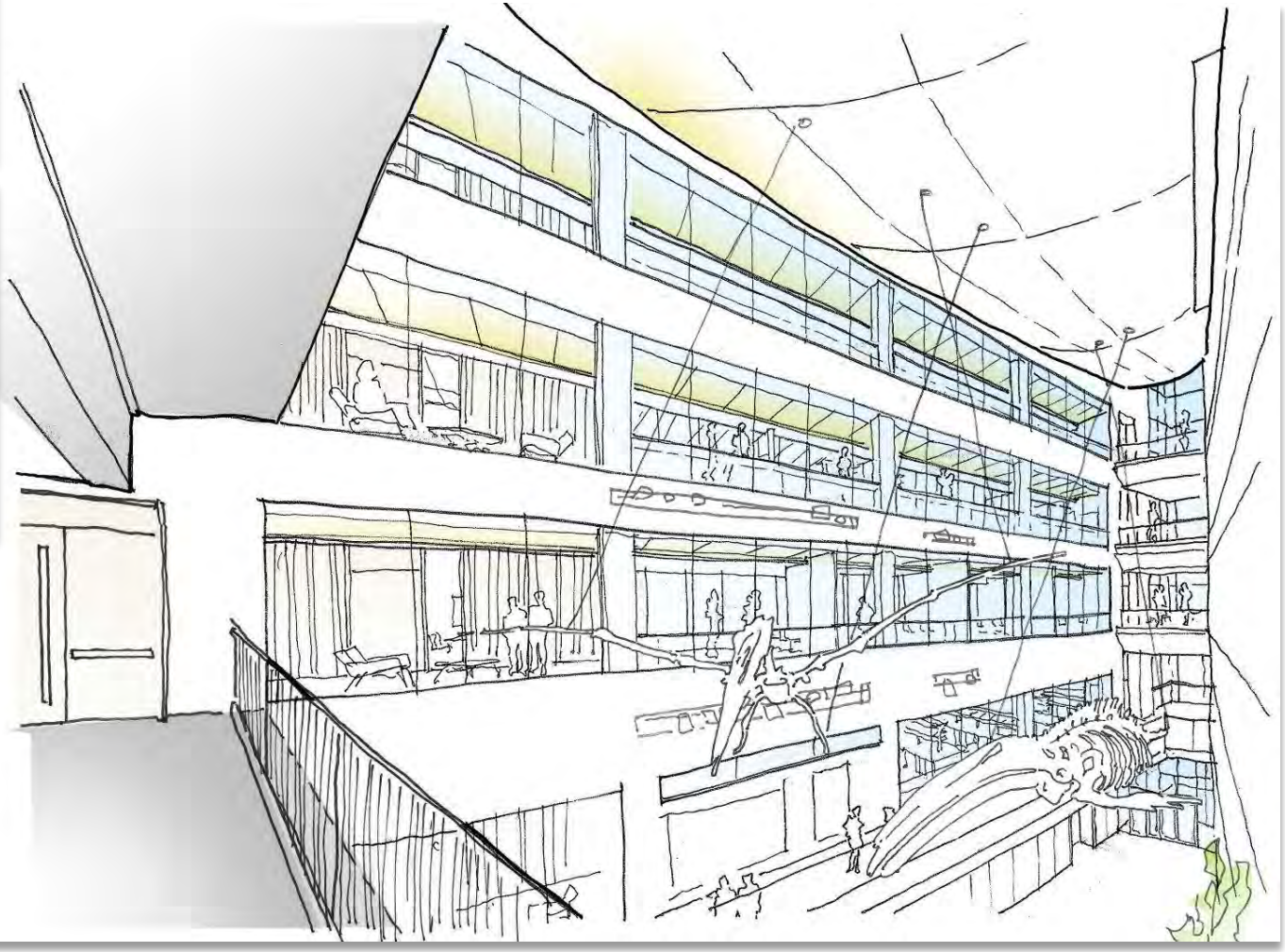
Outcome:

- Design considered contextual and attractive while maintaining several important outdoor spaces
- Museum fully integrated around and between certain laboratory modules while displaying large artifacts in two atria that divide three sections of laboratories
- Breaking building into five sections horizontally and stepping back ground level plays nicely to human scale

I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
Todd Schliemann, Partner
Ennead and Lead Designer for BSB

"Working closely with Doug during the early massing stages of the BSB we were able to solve a complex massing quandary which was based solely on his astute suggestions. This new building promises to be a perfect campus fit." Todd Schliemann, FAIA, Partner (Ennead Architects LLP)



Awards:
Seeking LEED Registered (Silver) for New Construction

Publications:
M-Live (2015, May & 2014, Feb)
The Michigan Daily (2014, February 20)

{3.1} EXHIBIT 9 {GEORGE GRANGER BROWN MECHANICAL ENGINEERING AND SCIENCE BUILDING}

This project created a state-of-the-art facility that allows the University of Michigan Mechanical Engineering Department to conduct ultra-low vibration research with emphasis on imaging, optics, biosystems, and nanotechnology. It is a three story, 63,000 sf addition to the existing Mechanical Engineering space (220,000 sf), that is currently being renovated as a sister project. This project was completed in 2014 at a cost of approximately $46 mil.

Architectural Firm of Record: IDS
Design Architect: Perkins + Will
Completion Date: 2014
Challenge:

- Create ultra-low vibration laboratories that meet research scientists' specifications
- Develop signature design to attract top flight research scientists to university
- Provide gathering space to encourage multidisciplinary collaboration among occupants
- Set high standard for energy efficiency and LEED Certification

Role:

- Selected design team from among multiple choices of signature architects
- Negotiated contract with design team
- Oversaw coordination of multiple committees for input to design
- Reviewed many options for massing, materials, and specific details of design

Outcome:

- Laboratories meet expectations of research scientists
- Design is widely regarded by university community as signature architecture
- Internal atrium space provides collaboration incentive as planned
- Project achieved strong LEED Gold level certification and meets ASHRAE 90.1 + 44.4%

Awards: 2015 AIA Detroit; LEED NC Gold
Publications: Crain's Detroit Business (2015, Sept 11); The Ann Arbor News (2014, Oct 9)

I have personal knowledge of the nominee's responsibility for the project listed above.
Project under direction of nominee for planning & design.

_____
Robert Goodwin, Perkins+Will
Design Principal

May 2009
Douglas C. Hanna, AIA
The University of Michigan Architect

University of Michigan Architect Douglas Hanna, AIA will receive the President's Award from The American Institute of Architects Michigan at the annual Celebration of Architecture on May 15 at the Book Cadillac Hotel in Detroit. The President's Award was created in 1992 by AIA Michigan to honor architects who practice in the education or corporate field who have made exceptional contributions to the profession and their community through academia, business or government.

Hanna has been University Architect for U of M in Ann Arbor since 1993. He is responsible for providing oversight for campus related architectural matters and for planning and design of major building projects. Under his watch, dozens of major projects have been completed or are in progress valued at more than $4 billion.

After graduating from U of M with his Master of Architecture in 1973, he worked with three different firms involved with the administration of several hospital projects and a large addition to an automotive plant. He is a member of AIA Michigan and AIA Detroit and on the Planning Committee for the Annual Health Facilities Planning Seminar co-sponsored with the Michigan Department of Consumer and Industry Services. He was also active with the Association of University Architects. He is now president of the Ann Arbor Technology Park Association. A man of action, he was All American High School Diving Champion in Florida and earned a Private Pilot's License. His son is in the US Marine Corps serving in Iraq/Afghanistan.

The American Institute of Architects Michigan, headquartered in the historic Beaubien House across from the Renaissance Center in downtown Detroit, established its awards program to bring to public attention the value and importance of architectural excellence and to recognize those whose notable achievements encourage all to make excellence in architecture the standard.

Publications:

(2009, May 20). *Excellence Identified and Honored by AIA*. Dbusiness (online). Retrieved from http://www.dbusiness.com/May-June-2009/Excellence-Identified-and-Honored-by-AIA/#.Va-yVvlVhBc

SPONSOR

Stephen Whitney – Albert Kahn CEO (Retired)

REFERENCE LETTERS

James Steward
Art Museum Director, Princeton
(Previously UM Museum of Art Director)

Michael McKinnell, FAIA
KMW, Partner

Todd Schliemann, FAIA
Ennead (Previously Polshek), Partner

Alan Cobb, FAIA
Albert Kahn, President

Douglas Kelbaugh, FAIA
Dean of University of Michigan Architecture School (Retired)

James Duderstadt
UM President 1988 – 1996

Robert (Rob) Goodwin, FAIA
Perkins + Will

Institute Honors and Awards
Fellowship

THE AMERICAN INSTITUTE OF ARCHITECTS

Douglas C. Hanna Reference Writer List

First-Year References (exactly seven, not including sponsor, of whom two may be non-members of the AIA)

(Review eligibility to serve as a reference to ensure compliance and clearly label the reference writer's AIA designation)

Do not contact the AIA to ascertain if reference letters have been received. The volume is too great to be able to determine which letters have been received prior to the jury review. Request that your reference writers forward their email confirmation receipts to your sponsor to track this information.

1. Name: Robert Goodwin, FAIA
   Address:
   Telephone:
   Title: Design Principal, Perkins & Will
   Professional relationship to nominee: My performance witnessed on the GG Brown Addition project and impression of the various buildings I was involved with on the North and Central Campuses
2. Name: Michael McKinnell, FAIA
   Address:
   Telephone:
   Title: Partner, KMW
   Professional relationship to nominee: My performance on the stadium and nursing project
3. Name: Todd Schliemann, FAIA
   Address:
   Telephone:
   Title: Partner, Ennead
   Professional relationship to nominee: My performance on the BSRB and BSB Projects and impression of projects I have produced
4. Name: Alan Cobb, FAIA
   Address:
   Telephone:
   Title: President, Albert Kahn Associates
   Professional relationship to nominee: Impressions of me in my role over many years and many projects at the University
5. Name: Timothy Casai, FAIA
   Address:
   Telephone:
   Title: President, TMP
   Professional relationship to nominee: Impressions of me in my role over many years and on many projects
6. Name: James Duderstadt
   Address:
   Telephone:
   Title: UM President 1988-1996
   Professional relationship to nominee: Impressions of how the campus has changed/improved over the past 35 years due to my influence on many projects
7. Name: James Steward
   Address:
   Telephone:
   Title: Art Museum Director, Princeton
   Professional relationship to nominee: Experience with me in my role on the Museum of Art and impressions of the campus architecture over the past 20 years