Institute Honors and Awards
Fellowship

THE AMERICAN INSTITUTE OF ARCHITECTS

2016 AIA Fellowship

Entry 131996

Nominee	Anne Hicks Harney
Organization	Ayers Saint Gross
Location	Baltimore Maryland
Chapter	AIA Baltimore

Category of Nomination

Category Two - Practice (Technical Advancement)

Summary Statement

With her deep knowledge of building materials and passion for critical environmental issues, Anne Hicks Harney, AIA leads the material transparency movement both within the architectural profession and the industry at large.

Education

Master of Architecture (March), University of Virginia, Charlottesville VA, 2 years - 1989 - 1991
Bachelor of Arts (BA) Architecture, Iowa State University, Ames IA, 4 years - 1981 - 1985

Licensed in: Maryland New Jersey

Employment

Ayers Saint Gross, 2000-Present (15 years, less 1 1/2 years off for maternity leave)
Richter Cornbrooks Gribble Inc., 1996-2000 (4 years)
Probst Mason Architects, 1993-1996 (3 years)
Kieran Timberlake, 1991-1993 (2 years)
Michael Graves & Associates, 1988-1989 (1 1/2 years)
Peter Lokhammer Architect, 1985-1988 (3 1/2 years)

MALeco, LLC

October 16, 2015

Ms. Diane Georgeopulos, FAIA
Chair, 2015 Jury of Fellows

Re: Anne Hicks Harney, AIA, Candidate for Fellow

Dear Ms. Georgeopulos and the Fellows Jury,

I'm honored and pleased to nominate Anne Hicks Harney, AIA for Fellowship in the American Institute of Architects. There is no architect with equal or greater understanding of the rapidly shifting environmental materials landscape and its impact on architectural practice. Anne brings a perfect combination of deep knowledge on a wide range of environmentally preferable building materials, years of project experience, a passion for sustainability, and an engaging style that can turn any conversation into a learning experience. Through her work at Ayers Saint Gross and in professional committee leadership roles and presentations, Anne has made an incalculable difference in our profession's understanding of materials and the importance of promoting materials transparency. This is why I believe strongly that she is so deserving of being named an AIA Fellow.

I first met Anne many years ago as a member of the A+D Sustainable Design Leaders Network, a group of sustainable design practitioners from the top Architecture firms in the country. Even within that select group, Anne was recognized as THE trailblazer in understanding the complexities and applying the criteria of environmentally sound materials to materials specification. Then, as now, she regularly shares her deep understanding of issues and challenges in this forum. As a result of that deep respect, in my role as AIA Resident Fellow I identified Anne as a key member of the new AIA Materials Knowledge Working Group. This group is the outcome of the *AIA Sustainability Leadership Opportunity Scan* that identified environmental and healthy materials knowledge as a high priority to the architectural profession. This resulted in the December 2014 adoption of the AIA's new Materials Position Statement that reinforces the architect's important role in promoting materials transparency. In her AIA Materials Group work, Anne has always played a critical leadership role in developing practical tools and resources, as evidenced on the AIA's Materials Matter website (www.aia.org/materials). It's the principal outcome of these efforts to date, and one that continues to expand as new tools and resources become available.

In addition to Anne's work on behalf of the profession through the AIA, she brings an important architectural perspective to the review of LEED criteria on materials, a key aspect of the new LEED rating system, as a member of USGBC's Materials and Resources Technical Advisory Group. For years, she has shared her practice-based perspectives at national presentations of the AIA, USGBC's Greenbuild, and specifications conferences, all while Anne has been leading her firm's sustainability initiatives and bringing their projects to a high level of sustainable integration – no mean feat!

The architectural profession has benefitted from the knowledge, passion, and energy Anne Hicks Harney has brought to her efforts to produce sustainable outcomes and an appreciation of materials health as a vital component of environmental issues. She is most worthy of receiving the high honor of Fellowship.

Warmly,

Mary Ann Lazarus, FAIA
Principal, MALeco
2013-June 2015, AIA Resident Fellow
2001-2013 HOK Sustainable Design Director

4388 McPherson Avenue Saint Louis MO 63108 **314.805.9332**

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SUMMARY OF ACHIEVEMENTS

Anne Hicks Harney AIA

By merging a deep knowledge of building materials with a passion for critical environmental issues, Anne Hicks Harney, AIA leads the sustainable material transparency movement both within the architectural profession and the industry at large.

PRACTICE

As sustainability director at Ayers Saint Gross, a 170-person Baltimore-based architecture and planning firm, Ms. Harney tirelessly pursues the highest level of integrated sustainable design; through her practice and research, she has become one of the nation's leading experts on high performance design. She champions continuing education within the firm and encourages clients to view sustainable design as a core savings strategy rather than an expensive add-on. During her 11-year leadership, she has:

- Created a culture of sustainability at Ayers Saint Gross' three offices: In the past eight years, the firm has completed 32 LEED certified projects, totaling 2.7 million square feet, and 70% of ASG staff hold LEED accreditation.
- Assured consistently high performing and sustainably driven quality by writing the majority of the firm's specifications, coordinating the quality control program, providing technical support to all offices, and championing material transparency.

ADVOCACY

Through her research and activism, Ms. Harney has become an influential nationwide advocate for greater understanding of the environmental and health effects of building materials.

- Her participation with the AIA Materials Knowledge Working Group and the USGBC Materials and Resources Technical Advisory Group has led to the development of technical solutions for building material impacts as well as tools and methods for architects to make better material choices, encouraging material transparency and improving building performance nationwide.
- As an active member of the A+D Sustainable Design Leaders Network (sustainability directors from 50 top architecture firms), she has led initiatives to drive policy and professional agendas and improved federal sustainability design standards.
- In her own back yard, she co-founded the Building Enclosure Council-Baltimore, a new AIA Baltimore committee and part of the NIBS BEC network, to educate the design community about sustainable building practices relating to improved building envelopes.

EDUCATION

Ms. Harney educates firm employees as well as the architectural community on the topics of material transparency, sustainable architecture, and high performance design, with a focus on re-shaping the profession's environmental impact.

- She created the ASG Academy, an in-house CEU program that provides more than 35 hours/year of AIA-approved CEUs, with an emphasis on sustainable materials and high performing systems.
- She shares her expertise with the industry, influencing the development of industry-wide standards through both AIA and USGBC, advising on existing tools, and working to develop new resources.
- Finally, through numerous presentations at national conferences such as the AIA Convention, the Living Future unconference, and Greenbuild, Ms. Harney has shared her extensive knowledge with many professionals on subjects such as material transparency, sustainable architecture, and high performance design.

1.1 BIOGRAPHY

Anne Hicks Harney AIA

EDUCATION

Master of Architecture (MArch) 1991
University of Virginia
Charlottesville VA

Bachelor of Arts (BA) Architecture 1985
Iowa State University
Ames, IA

PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

Licensed Architect, State of New Jersey 1992, #AI 12179

Licensed Architect, State of Maryland 2015, # 18003

NCARB Certification 1994, #58,443

LEED AP BD+C 2004

Construction Specifications Institute Certified Construction Specifier (CCS) 2004

PROFESSIONAL ORGANIZATIONS

The American Institute of Architects, Member *February 1997–July 2001 (family leave), then March 2003–present*

AIA Materials Knowledge Working Group,
Member: *December 2013–present*
Tools and Resources Subcommittee, Chair: *January 2015–present*

US Green Building Council Corporate Member: *January 2006–present*

USGBC Materials and Resources Technical Advisory Group (MR TAG) Member *July 2014–present*

US Green Building Council Maryland Member: *July 2014–present*

Co-founding Chair
Building Enclosure Council (BEC) Baltimore *September 2013–present*

Construction Specification Institute (CSI) Member, *2004–present*

National Institute of Building Sciences Member *January 29, 2013–present*

WORK HISTORY

Ayers Saint Gross
Sustainability Director
2000–present

Richter Cornbrooks Gribble Inc.
1996–2000

Probst Mason Architects
1993–1996

Kieran Timberlake
1991–1993

Michael Graves & Associates
1988–1989

Peter Lokhammer Architect
1985–1988

2.1

SIGNIFICANT WORK

Practice

A leader in sustainable design

Anne Hicks Harney has elevated the sustainability program at Ayers Saint Gross, focusing her extensive technical expertise on the selection of building materials as a fundamental and critical component of high performance design. As the 170-person firm's sustainability director and specifications writer, she leads the sustainability aspects of the firm's projects and investigates advanced strategies to improve building performance and pursue aggressive LEED goals.

Today, she is a nationally recognized expert in the burgeoning field of material transparency, a movement to understand and identify how the contents and make-up of building materials affect our health and the environment. She has become a leading proponent for the industry to use more informative and standard labeling on building products, to specify their "ingredients" - similar to food labeling, and educating professionals about the effect that the creation, use, and disposal of building products has on our health and the environment. Her leadership in this field has greatly benefited both Ayers Saint Gross, which has excelled in high performance design in the last decade, and the profession at large.

- **CREATED A CULTURE OF SUSTAINABILITY AT AYERS SAINT GROSS**
  Ms. Harney was the firm's first sustainability director, and leads all project teams in the pursuit of progressively higher levels of energy efficiency and sustainability. As a result of her direction, ASG has delivered 32 LEED certified projects in the past eight years, of which more than half are Gold certified or better, including two Platinum projects. More than 70 percent of the firm's current work has high performance/LEED certification goals.

- **ADOPTED THE AIA 2030 COMMITMENT**
  As an industry leader who "walks the talk," in 2010 she encouraged the firm's adoption of the AIA 2030 Commitment. Her oversight of the Climate Action Plan, goal setting, and reporting requirements has led to significantly improved energy savings across 9.5 million sf of building stock. Through her attention to outcomes, she ensures that data gathered from previous projects informs the firm's current and future work.

- **SUPERIOR NATIONAL GREEN PRACTICE RANKINGS**
  Under Ms. Harney's direction, Ayers Saint Gross' leadership in national sustainability focused rankings has consistently increased, and the firm is recognized nationwide as a trailblazer in sustainable design and advanced technology. Ayers Saint Gross is ranked #34 on ENR's Top 100 Green Design Firms for 2015 (up from 50 in 2014) and #19 on Architect Magazine's "The Top 50 in Sustainability (up from 44 in 2014).

- **CREATED THE ASG ACADEMY**
  To ensure firm employees remain on the cutting-edge of the latest advancements in the field, in 2004 Ms. Harney founded the ASG Academy, the firm's weekly in-house continuing education program. In addition to coordinating the program, she has made numerous presentations on sustainability, specifications, and building science (see section III. Education for details). Ayers Saint Gross employees can receive up to 50 hours of AIA accredited coursework every year, meeting AIA and licensing requirements.

- **LEED ACCREDITED PROFESSIONAL EDUCATION & TRAINING**
  As a result of Ms. Harney's encouragement, 70 percent of Ayers Saint Gross staff have achieved LEED accreditation. The majority of technical staff now have an elevated understanding of sustainability issues, raising the bar for high performance design within the firm.

2.1 SIGNIFICANT WORK
Projects

COMPLETED: 2017
SIZE: 187,000 SF
ROLE: MATERIAL TECHNICAL LEAD, SUSTAINABILITY LEAD

CLEMSON UNIVERSITY STUDENT COMMONS, DOUTHIT HILLS RESIDENTIAL DEVELOPMENT
Clemson, South Carolina

Ayers Saint Gross led the design efforts for seven new residence halls and a student union on the northeastern edge of the Clemson University campus. Ms. Harney is a sustainability consultant for the entire project team while leading the sustainability and material efforts for the firm's project, a new student union. Working integrally with other architecture firms has provided opportunities for sharing our depth of knowledge on sustainability and environmentally sound materials. The project is pursuing LEED Gold certification.

COMPLETED: 2017
SIZE: 118,000 SF
ROLE: SUSTAINABILITY LEAD

ENOCH PRATT FREE LIBRARY RENOVATIONS
Baltimore, Maryland

The addition and renovation to this iconic Baltimore structure has been a long-running project, with the renovation of the historic Central Library the final phase. Ms. Harney is leading the sustainability team, seeking to merge modern design goals with the specific needs of a historic renovation. The project is pursuing LEED Silver certification.

COMPLETED: 2017
SIZE: 33,800 SF
ROLE: MATERIAL TECHNICAL LEAD, SPECIFICATION WRITER & SUSTAINABILITY LEAD

ECKERD COLLEGE, THE ARTS CENTER
St. Petersburg, Florida

The Visual Arts Center's design evolved from the unique nature of the arts program and from characteristics of the site and climate. As sustainability lead, Ms Harney adopted a combined approach of energy modeling, and passive and active technologies, with a focus on a high-performing enclosure. The net result has the building currently tracking an energy use reduction of 67% below baseline. The project is pursuing LEED Gold certification.

COMPLETED: 2017
SIZE: MERRICK 376,398 SF; GABLES 121,669 SF
ROLE: MATERIAL TECHNICAL LEAD, SPECIFICATION WRITER & SUSTAINABILITY LEAD

UNIVERSITY OF MIAMI, NEW STUDENT HOUSING
Coral Gables, Florida

Following the University of Miami's 2014 housing master plan, Ayers Saint Gross developed concept designs for two phases of student housing. Ms. Harney worked with project teams to test designs via energy and daylight modeling and coordinated material and building envelope selections to improve building performance. The project is targeting LEED Gold certification.

2.1 SIGNIFICANT WORK
Projects

COMPLETED: 2016
SIZE: 326,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

TOWSON UNIVERSITY, WEST CAMPUS HOUSING, PHASES III AND IV
Towson, Maryland

The nine and 11-level structures are designed similarly with brick facades and apartment-style units. The building include green roofs, a geothermal heating and cooling system and energy-saving measures in service to achieving high energy performance numbers, currently tracking 70% better than baseline. The project is pursuing LEED Gold certification.

COMPLETED: 2016
SIZE: 15,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

LIVING MUSEUM AND VISITOR RECEPTION CENTER
Historic City of Atturaif, Arriyadh, Saudi Arabia

A new visitor center and living museum illustrate the history of an ancient middle-eastern civilization and the lifestyles of its people. Ms. Harney focused on natural materials, many crafted on site, to allow the project to become an example of how to build modern, sustainable structures within an historic environment. Atturaif is the most historically significant district of Old Diriyah, the capital of the first Saudi state, and designated by UNESCO as a World Heritage Site.

COMPLETED: 2016
SIZE: 10,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

ADDIRIYAH MUSEUM AT SALWA PALACE – WALKWAY AND GALLERIES
Old Diriyah, Saudi Arabia

The Addiriyah Museum at Salwa Palace is located within the historic home of the first Saudi state's rulers. Ms. Harney led the material selection and documentation process of this simple yet sophisticated building made of glass and metal. The building is elevated to preserve and highlight the archaeology of the palace's construction. The backdrop of mud brick walls are seen clearly through the transparent building so visitors maintain a strong connection to the powerful historic setting.

COMPLETED: 2016
SIZE: 219,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

UNIVERSITY OF SHADY GROVE, PARKING GARAGE #2
Shady Grove, Maryland

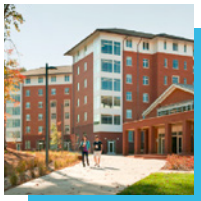
The Universities at Shady Grove parking garage is the first project nationally pursuing Green Garage Certification, a new sustainable rating system designed for parking garages, to improve performance metrics. The garage design reflects the University's commitment to sustainable design by utilizing strategies to limit the carbon footprint, including the use of only natural ventilation. Ms. Harney worked with the team to develop a modern material palette that worked within the context of the existing University.

2.1 SIGNIFICANT WORK
Projects

MARYLAND HOUSE
COMPLETED: 2014
SIZE: 40,000 SF
ROLE: MATERIAL TECHNICAL LEAD, SPECIFICATION WRITER & SUSTAINABILITY LEAD

CHESAPEAKE HOUSE
COMPLETED: 2014
SIZE: 30,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

COMPLETED: 2014
SIZE: 62,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST



COMPLETED: 2011–2014
SIZE: BALZ-DOBLE, WATSON-WEBB & COMMONS BUILDING 128,000 SF
LILE-MAUPIN & TUTTLE-DUNNINGTON HOUSE 115,000 SF
SHANNON HOUSE 4,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

INTERSTATE 95 TRAVEL PLAZAS
State of Maryland
MARYLAND HOUSE: the first rest area that travelers and visitors will encounter as they travel north from Baltimore, utilizes simple brick architecture adapted to the open space needs of the facility.

CHESAPEAKE HOUSE: large, wood-clad roof form seemingly floats over the dining space and evokes the architecture of boats, evoking the nautical culture of the region.

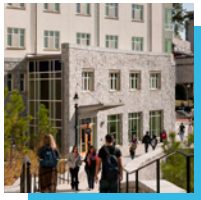
Ms. Harney worked with the project teams to coordinate the material palettes on both buildings with an eye towards expressing the Maryland culture and ecology. The sustainable buildings demonstrate the state's commitment to the ongoing renewal and development of Maryland. Energy use was reduced by 42%, water use by 45%, and 23% of the impervious surfaces were eliminated, improving the storm water impact of the projects. Both buildings achieved LEED Silver certification.

AWARDS: AIA Maryland, Excellence in Design, Honor Award Commercial Architecture, 2015
Brick Industry Association, Brick in Architecture Awards, Best in Class for Commercial Buildings, 2015

MARYLAND SCHOOL FOR THE BLIND, SOLAR BUILDINGS
Baltimore, Maryland
The SOLAR program serves students from 5-22 years old with visual impairment and autism — a population highly sensitive to environmental disturbances. Ms. Harney worked carefully with the project team to assure that healthy, environmentally sound materials were included in the project that worked within the tolerance ranges of this population. The selection of a healthy, calming material palette has been embraced by the School. The project is pursuing LEED Gold certification.

UNIVERSITY OF VIRGINIA RESIDENCE HALLS
Charlottesville, Virginia
Reflecting the Jeffersonian traditions of UVA's architecture, these residence halls are set away from the campus core, allowing for a contemporary interpretation of UVA's rich history. Ms. Harney focused on creating a consistent message across multiple buildings, coordinating a material palette focused on sustainability while working within the context of UVA's greater campus goals. The projects utilized sustainably harvested wood and substantially reduce construction waste. The halls achieved LEED Gold and Silver Certification.

2.1 SIGNIFICANT WORK
Projects

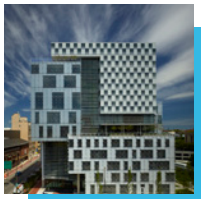


COMPLETED: 2008–2014
SIZE:
TURMAN RESIDENCE HALL 44,000 SF
FEW & EVANS 111,300 SF
LONGSTREET MEANS 120,000 SF
HAMILTON HOMES 42,000 SF
ELEANOR RAOUL 115,000 SF
ROLE: SPECIFICATION WRITER & SUSTAINABILITY SPECIALIST

EMORY UNIVERSITY FRESHMAN RESIDENCE HALLS
Atlanta, Georgia

Themed for "Green Living," these five residence halls teach residents about sustainable living through interactive tracking on lobby screens. The projects achieved close to 50% water use reduction and up to 35% energy use reduction through building occupant education. Ms. Harney coordinated high performing exterior cladding selections, while accommodating the University's established material palette. Interior materials were selected to enhance the sustainability themed residence halls, providing a consistent message across multiple buildings. All achieved LEED Gold certification.

PUBLICATIONS: "Water Efficiency Measures at Emory University," Journal of Greenbuilding, Spring 2010
"University Conserves Water," Architect magazine, April 2009



COMPLETED: 2013
SIZE: 192,390 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

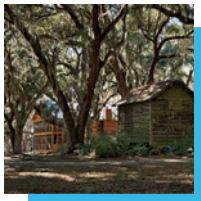
UNIVERSITY OF BALTIMORE JOHN & FRANCES ANGELOS LAW CENTER
Baltimore, Maryland

This building presents a dynamic urban presence and functional interior environment, enriching the lives of its users Ms. Harney was integral to the sustainability decision-making process and documented high-performing materials selected while assuring material choices advanced the cause of the project. The building achieved an energy reduction of 68% and a water use reduction of 57%. The project was recognized as an AIA COTE Top Ten winner in 2014, and achieved LEED Platinum certification.

AWARDS: AIA COTE, Top Ten Award, 2014 • SCUP/AIA-CAE, Excellence in Architecture – New Building, Merit Award, 2014 • The Architect's Newspaper, Best of Design Award for Facades, 2014 • European Centre for Architecture Art Design and Urban Studies and The Chicago Athenaeum: Museum of Architecture and Design Green, GOOD DESIGN Award, 2013 • ENR, Best of the Best, Higher Education/ Research Project, 2013 • AIA Baltimore, Award for Excellence in Environmentally Sustainable Design, 2013 • AIA Maryland, Excellence in Design, Honor Award Institutional Architecture, 2013 • US Green Building Council Maryland, President's Award for Leadership & Vision in Green Building, 2012 • ENR Mid-Atlantic, Best Overall Project, 2013

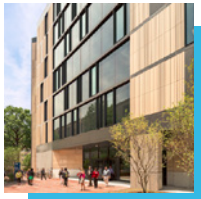
PUBLICATIONS: Engineering News-Record, "Best of the Best," Feb. 17, 2014 • Arch Daily, "John and Frances Angelos Law Center / Behnisch Architekten + Ayers Saint Gross," May 12, 2013

2.1 SIGNIFICANT WORK
Projects



COMPLETED: 2013
SIZE: 6,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

COLLEGE OF CHARLESTON DIXIE PLANTATION
Charleston, South Carolina
Ayers Saint Gross developed the master plan to convert this 881-acre property into a nature preserve and research facility with a new meeting barn. The property teaches the importance of conservation and sustainability. Ms. Harney worked with the team to select natural materials that accentuated the low country aesthetic while creating a setting for tranquil contemplation of views over the entire property. The project was featured in Architectural Record in November 2014.

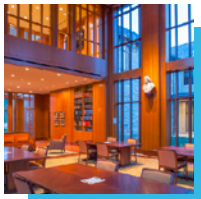


COMPLETED: 2014
SIZE: 30,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

GEORGE WASHINGTON UNIVERSITY MILKEN SCHOOL OF PUBLIC HEALTH
Washington, DC
The project optimizes energy performance via a thermally resistant building envelope and efficient mechanical systems, achieving a 47% energy use reduction. Ms. Harney collaborated with the project team to ensure that building materials selected met the rigorous environmental and health requirements of the School of Public Health, while keeping the focus on creating a high-performing, sustainable project. The building achieved LEED Platinum certification.

COMPLETED: 2013
SIZE: 103,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

UNIVERSITY OF DELAWARE INTERDISCIPLINARY SCIENCE & ENGINEERING LABORATORY
Newark, Delaware
The four-story building is organized into research and teaching wings connected by a bridge. Clad in a mix of stone and metal panels, the facility takes advantage of available daylight and looks out over the award-winning landscaped courtyard. Ms. Harney coordinated the materials effort, both writing the specifications for the project and encouraging the exposed materials palette. The polished concrete floors are a feature of the building's public spaces.



COMPLETED: 2013
SIZE: 45,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

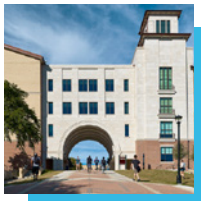
THE NATIONAL LIBRARY FOR THE STUDY OF GEORGE WASHINGTON
Mount Vernon Estates and Gardens, Mount Vernon, Virginia
This center for the study of George Washington houses modern collections of reference materials and the history of the adjacent Mount Vernon Estate. Ms. Harney worked with the project team to assure that the material palette supported the sustainable goals set for the building. An extensive regional selection of materials was utilized, and the building provided 80% day-lit spaces and over 91% of spaces with views of the scenic, and historic surrounds. The project achieved LEED Gold certification.

2.1 SIGNIFICANT WORK
Projects

COMPLETED: 2012
SIZE: 25,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

SMITHSONIAN BIOLOGY CONSERVATION INSTITUTE EDUCATION FACILITY
Smithsonian Institution and George Mason University, Front Royal, Virginia

The Smithsonian Institution partnered with George Mason University to form the Smithsonian-Mason Global Conservation Studies Program. The program is housed at the Smithsonian's 3,200 acre Conservation Biology Institute in Front Royal, Virginia. While working within the rigorous standards of the Smithsonian Institution, the building achieved a 26% energy use reduction and LEED Gold certification.



COMPLETED: 2012
SIZE: 130,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

TEXAS STATE UNIVERSITY UNDERGRADUATE ACADEMIC CENTER
San Marcos, Texas

This signature campus building is designed to encourage movement and connection across campus. In her role as specifications writer and sustainability specialist, Ms. Harney maximized the use of regional and recycled materials and utilized sustainably harvested wood, which resulted in the project achieving LEED Silver certification.

COMPLETED: 2010
SIZE: 57,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

EMORY UNIVERSITY OXFORD ROAD ADMISSIONS AND STUDENT CENTER
Atlanta, Georgia

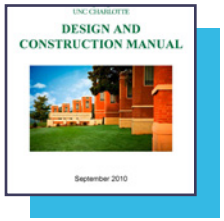
This building had a varied and challenging program, which included retail shell space, a parking garage, and admissions department office space which included lounge and gathering spaces. The program included admissions and retail space, and required a similarly varied material palette. Through careful coordination, water use was reduced by 46%, regional and recycled materials were maximized, and this high-performing building achieved LEED Silver certification.

COMPLETED: 2009
SIZE: 2,232 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

NORTHERN ARIZONA UNIVERSITY RECREATION FIELDS BUILDING
Flagstaff, Arizona

By using natural materials throughout and achieving almost 70% reduction in water use, this building hit high marks on sustainability for Northern Arizona University. Ms. Harney led the material selection effort and worked with the design team through the challenges to making this small building meet the sustainable goals. The building achieved LEED Silver certification.

2.1 SIGNIFICANT WORK
Projects



COMPLETED: 2009
SIZE: 900 SF
ROLE: CREATING THE DESIGN MANUAL OF CAMPUS STANDARDS

UNIVERSITY OF NORTH CAROLINA, CHARLOTTE CAMPUS MASTER PLAN, DESIGN MANUAL
Charlotte, North Carolina

The University of North Carolina Charlotte's planning process focused on how the campus's built and natural environment could incorporate enrollment increases while expanding its educational mission. A key part of this process was drafting a design manual to establish standards and guide future campus work. Ms. Harney authored the manual's technical portion that focused on material and sustainability requirements. The online resource sets the standard for projects at the University.

COMPLETED: 2008
SIZE: 11,000 SF
ROLE: SPECIFICATIONS WRITER

UNIVERSITY OF VIRGINIA SOUTH CHILLER PLANT
Charlottesville, Virginia

This chiller plant serves critical loads in the rapidly expanding health care and medical research area on campus, designed for an ultimate capacity of 6,000 tons. Ms. Harney led material explorations to create a durable structure that could be easily maintained throughout its life span. She focused on exposed materials in this aggressive environment and coating systems that would protect the structure while maintaining its required aesthetic.

COMPLETED: 2008
SIZE: 42,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

THOMAS JEFFERSON VISITOR CENTER AND SMITH EDUCATION CENTER
Charlottesville, VA

This new visitor's center serves the historic home of Thomas Jefferson. The project provides a gateway to Monticello and is a modern reinforcement of the many vernacular aspects of Jefferson's architecture. Through the careful integration of beautiful, indigenous materials into the high performing enclosure, the building achieved a 28% reduction in energy use. Water use is reduced by 42% and the sustainability of the facility is articulated throughout. The building achieved LEED Gold certification.

COMPLETED: 2008
SIZE: 165,000 SF
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

SALISBURY UNIVERSITY TEACHER EDUCATION AND TECHNOLOGY CENTER
Salisbury Maryland

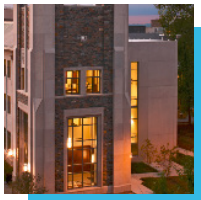
The project is designed to promote collaboration among a wide spectrum of campus programs and services. On a project with a tight budget, Ms. Harney kept the sustainability focus strong, although the commitment from the client wavered. Maintaining a high performing building envelope through integrated material strategy, Salisbury University TETC achieved LEED Silver certification, even though the decision to pursue certification came one year after the start of construction.

2.1 SIGNIFICANT WORK
Projects

COMPLETED: 2007
SIZE: 5,000 SF
ROLE: SPECIFICATIONS WRITER

NEMOURS MANSION AND GARDENS VISITOR CENTER
Wilmington, Delaware

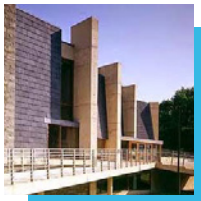
The stone and timber pavilion serves as a museum gallery and familiarizes visitors with the legacy of Alfred I. DuPont and his luxurious French-style estate. The simple layout in the efficiently compact structure is enhanced by material selections, creating a connection back to the estate and the landscape around it.



COMPLETED: 2008
SIZE: 11,000 SF
ROLE: SPECIFICATIONS WRITER

DUKE UNIVERISTY SCHOOL OF NURSING
Durham, North Carolina

The Duke University School of Nursing created a dynamic new identity on a beautifully wooded two-acre site. With continued involvement from conception to completion, Ms. Harney served as project manager through design development and wrote the project's specification. By carefully integrating traditional and modern materials into the building material palette and including the local "Duke Stone" as a feature element, the project achieved 63% regional materials and LEED Silver certification.



COMPLETED: 1995
SIZE: 102,000 SF
ROLE: INTERN ARCHITECT

WEST CHESTER UNIVERISITY EARL F. SYKES STUDENT UNION
West Chester, Pennsylvania — with KieranTimberlake

The addition of a front piece to the existing student union incorporates a stone clad exterior that references the greater campus, while the faceted entry lobby re-orients the circulation pattern and connects the existing building with the campus beyond. The exposed concrete frame is offset with a variety of materials, including Schist rubble stone, lead-coated copper trim and siding, teak window and slate shingle panel walls.

COMPLETED: 1993
ROLE: INTERN ARCHITECT

PRIVATE RESIDENCE, NEW JERSEY
with Michael Graves, Architect

A high-end private residence that consisted of the renovation of an existing barn and paired silos on a 400-acre property. This project focused on merging the grand spaces available in the existing structure with carefully crafted inserts to create a warm, inviting home.

2.1

SIGNIFICANT WORK

Advocacy

"Materials Matter: As architects, we specify materials every day. Our decisions affect the environment, our communities and our health."

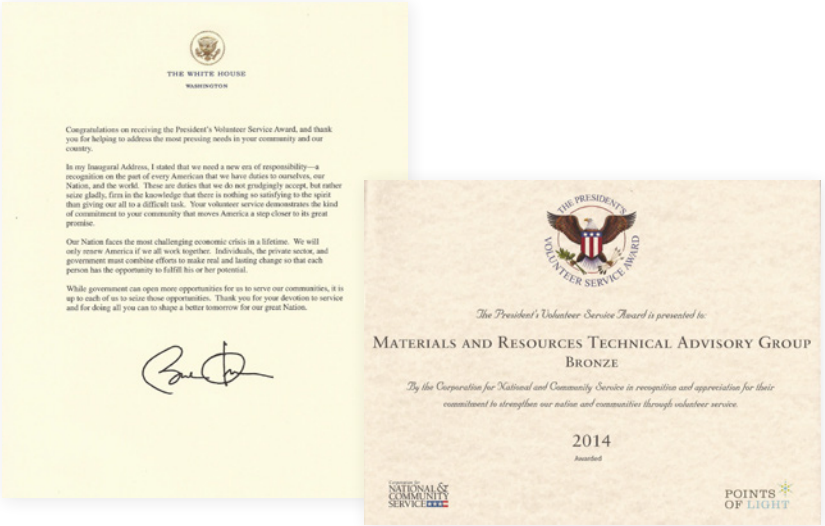
– AIA PRACTICING ARCHITECTURE/MATERIALS WEBSITE

To Anne Hicks Harney, design and sustainability are inextricable in the dynamic interconnected systems of the built environment. By sharpening — and generously sharing — her technical research and practical expertise on the impacts of construction materials on our health and the environment, Ms. Harney has become a leading advocate for improving material transparency

AIA MATERIALS KNOWLEDGE WORKING GROUP (2013-PRESENT)
In recognition of her importance in the growing national conversation regarding the relationship between building materials and sustainability, Ms. Harney was named to the AIA's Materials Knowledge Working Group. This new committee was charged with developing tools and resources for architects to help them understand the environmental and health effects of building materials and make more informed material selections. In the past two years, the group has:

- Prepared a position statement for the AIA Board on Materials and the Built Environment, addressing environmental and human health effects of building materials and encouraging architects to promote material content transparency and track impacts. Ms. Harney assisted on developing a framework and editing the statement.
- Developed an education agenda to provide critical information to the profession. The education and tools committee worked together to provide categories (such as practice and building science) to group curriculum topics. Ms. Harney presented a session at AIA Convention 2015 ("Incorporating Material Transparency into Firm Culture" that covered the practice category
- Actively developed website resources for the profession. Ms. Harney is creating posts on material core concept topics including: Material Transparency, Energy + Carbon, Human Health, Resiliency, and Social Equity. The website is scheduled to launch in the fall.

USGBC MATERIALS & RESOURCES TECHNICAL ADVISORY GROUP (2014–PRESENT)
Ms. Harney has been an active member of the USGBC's Materials and Resources Technical Advisory Group, charged with recommending additions, revisions, and clarification to the Materials and Resources portion of the LEED rating system. The group provides technical and expert advice to LEED committees and working groups regarding credit and prerequisite improvement and supporting tool development. Ms. Harney has contributed case study information for USGBC publications (e.g., the Core Concepts Guide), served as a technical reviewer on study guides (e.g., the LEED AP BD+C Study Guide), and has taken an active role on numerous subcommittees, covering LEED credits addressing building product disclosure and optimization issues. Her work has supported the USGBC mission and strengthened and advanced the materials portion of the rating system. As a result of the Advisory Group's research and advocacy efforts, in 2014 Ms. Harney and the group were awarded a Volunteer Service Award by President Barack Obama.


THE WHITE HOUSE
WASHINGTON

Congratulations on receiving the President's Volunteer Service Award, and thank you for helping to address the most pressing needs in your community and our country.

In my Inaugural Address, I stated that we need a new era of responsibility—a recognition on the part of every American that we have duties to ourselves, our Nation, and the world. These are duties that we do not grudgingly accept, but rather seize gladly, firm in the knowledge that there is nothing so satisfying to the spirit than giving our all to a difficult task. Your volunteer service demonstrates the kind of commitment to your community that moves America a step closer to its great promise.

Our Nation faces the most challenging economic crisis in a lifetime. We will only renew America if we all work together. Individuals, the private sector, and government must combine efforts to make real and lasting change so that each person has the opportunity to fulfill his or her potential.

While government can open more opportunities for us to serve our communities, it is up to each of us to seize those opportunities. Thank you for your devotion to service and for doing all you can to shape a better tomorrow for our great Nation.

THE PRESIDENT'S VOLUNTEER SERVICE AWARD

The President's Volunteer Service Award is presented to:

MATERIALS AND RESOURCES TECHNICAL ADVISORY GROUP
BRONZE

By the Corporation for National and Community Service in recognition and appreciation for their commitment to strengthen our nation and communities through volunteer service.

2014
Awarded

NATIONAL & COMMUNITY SERVICE

POINTS OF LIGHT

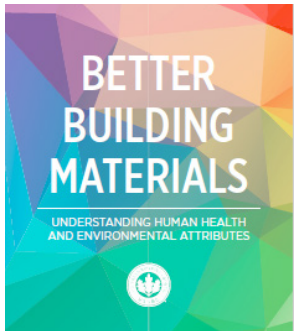
2.1 SIGNIFICANT WORK
Advocacy

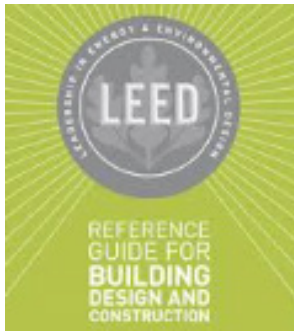
A+D SUSTAINABLE DESIGN LEADERS NETWORK (2011–PRESENT)
Since 2011, Ms. Harney has been a member of the national A+D Sustainable Design Leaders Network, an active group of sustainable design directors from the nation's 50 top architecture and design firms. She has been the Mid-Atlantic regional coordinator since 2012. The group has shaped the national dialogue on sustainable issues by coordinating their efforts as one voice, advocated on topics relating to AIA education requirements, encouraged the continued use of third party rating systems for federal mandates on government projects, and continued support for the use of product declarations showing material content. The Network has also made clear demands to manufacturers regarding expectations of material content that has led to healthier and more environmentally sound materials and better buildings.

EDUCATION/SHARING KNOWLEDGE
Ms. Harney has dedicated herself to educating the profession and the industry about material transparency. She has written educational materials and articles and made numerous presentations to a wide variety of professional audiences on the national and regional levels. Below are some of the highlights of her education efforts:

(left) USGBC Better Building Materials Guide, Case Study author
National: 2015: Author

(right) USGBC LEED AP BD+C Study Guide
National: 2015: Reviewer





BUILDING ENCLOSURE COUNCIL — BALTIMORE (2013–PRESENT)
Realizing there was no forum in Baltimore to gather like-minded professionals to discuss and advance issues relating to high-performing building enclosures, Ms. Harney co-founded the Building Enclosure Council - Baltimore. A member of a network of Building Enclosure Councils in the NIBS network, and a new sub-committee of AIA Baltimore, the BEC-Baltimore works to educate professionals, coordinate events, and communicate building enclosure issues throughout the area. Under her leadership, the group organizes monthly events covering a wide variety of building enclosure issues, helping to evolve projects and educate the community about more sustainable building practices. In the past two years, the Council has grown to include representation from a wide variety of professions, ranging from architects, engineers, product manufacturer reps, and contractors.

OTHER DESIGN TRANSPARENCY EFFORTS (2014–PRESENT)
Over the last 2 years, Ms. Harney has been active in numerous groups to advocate for and encourage the sharing of detailed information by building material product manufacturers. Beyond the AIA and USGBC, these included:

- **AEC Design Transparency:** A group of architects, manufacturers, and sustainability professionals working to encourage disclosure of product information, create a deeper understanding of the environmental and health impact of building materials, and encourage better product selection.
- **Underwriter's Laboratory Environmental Material Health and Chemical Transparency Advisory Panel:** A group of architects working to advise a disclosure tool developer. UL is working on a reporting tool that tracks the chemical content of a product. The result will be a PDF available online with the UL emblem, indicating products that are officially verified.
- **Environmental Product Consortium** A USGBC effort to identify barriers to Environmental Product Disclosure (EPD) development, and to develop tools and resources to remove these barriers and encourage industry adoption of Life Cycle Analysis and EPDs.

2.1 SIGNIFICANT WORK
EDUCATION

Thermal Performance of the Exterior Envelopes of Whole Buildings XIII International Conference
Dec 2016 (scheduled)
Improving Building Performance through Schematic Level Design Analysis

GREENBUILD
Washington DC, November 2015 (scheduled)
Product Rules

USGBC National Capital Region – Materials: The New Landscape
Washington DC, October 2015
The State of the Materials Landscape

National AIA Convention
Atlanta, GA, May 2015
Material Knowledge Open Forum

National AIA Convention
Atlanta, GA, May 2015
Implementing Material Transparency into Firm Culture

ASG Academy
Baltimore, MD, January 2015
Energy Codes 101: IECC

Architecture Exchange East
Richmond AIA, November 2014
Nutrition Labels for Building Materials

GREENBUILD
New Orleans, LA, October 2014
Resilient Design Workshop

GREENBUILD, Materials and Human Health Summit New Orleans, LA, October 2014
Stuff We Buy and Stuff We Spec

DesignDC
Washington DC, October 2014
Health Product Declaration, A Conversation Between Architects and Manufacturers

National AIA Convention
Chicago, IL, June 2014
Material Knowledge Open Forum

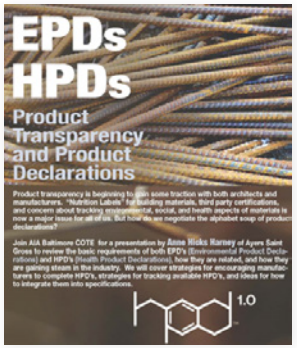
2.1 SIGNIFICANT WORK
EDUCATION

INTERNATIONAL LIVING FUTURE INSTITUTE

Living Future unConference
Portland, OR – May 2014
Resilient Design Workshop

National Facilities Management and Technology
Baltimore, MD – March 2014
EPDs and HPDs, Product Transparency and Product Declarations

Health Product Declaration Forums
Washington, DC – October 2013
Health Product Declarations, A Conversation
facilitated two forums on the Health Product Declaration



AIA Baltimore COTE Committee
Baltimore, MD – October 2013
EPDs and HPDs, Product Transparency and Product Declarations

Building Enclosure Council - Baltimore
Baltimore, MD – September 2013
High Performance Buildings

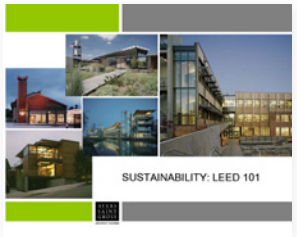
SD Leaders Summit
St Louis, MO – July 2013
Resilient Design Workshop

ASG Academy
Baltimore, MD – April 2013
Building Performance and Testing Facilities

National Facilities Management and Technology
Baltimore, MD – March 2013
High Performance Building Enclosures

SD Leaders GREENBUILD
Chicago, IL – November 2012
Sustainability, Resilience and the Jersey Shore

SD Leaders Summit
Garrison, NY – July 2012
John and Frances Angelos Law Building Overview



ASG Academy
Baltimore, MD – September 2011
LEED 2012 — Review of Changes

ASG Academy
Baltimore, MD – October 2009
LEED 2009 — Review of Changes

ASG Academy
Baltimore, MD – May 2008
Specifications 101 — An Intro to Spec Writing

ASG Academy
Baltimore, MD – October 2007
LEED 101 — An Introduction to the LEED Rating System

2.2

SIGNIFICANT HONORS AND AWARDS

PERSONAL AWARDS

USGBC MD Green Building Leader Award, 2014
Awarded as part of the 9th Annual Wintergreen Awards for Excellence in Green Building, recognizes Ms. Harney's work and commitment to make Maryland a greener and healthier place to live and work. The award recognizes excellence in high performance buildings, healthy design, and outstanding individuals.

US President Barack Obama's Volunteer Service Award, 2014 ***awarded to the Materials and Resources Technical Advisory Group***
The President's Volunteer Service Award is the premier volunteer awards program in the United States – encouraging citizens to live a life of service through presidential gratitude and national recognition. The MR TAG membership donated a combined 450 volunteer hours to recommend technical solutions for rating system development and maintenance.

AIA Materials Knowledge Working Group
Chair, Tools & Resources sub-group, 2015
Appointed chair of the tools and resources sub-group of the AIA Materials Knowledge Working Group. Ms Harney is responsible for the development and launch of website resources, and the identification of tools to assist architects select superior building materials.

RTKL Fellow, 1992
Named an RTKL fellow during the pursuit of her Master's degree from the University of Virginia, the fellowship provided an internship at RTKL and a two-month stipend for travel to engage in additional research in support of University study and research. Ms. Harney's topic, "Craft in Architecture," went on to inform her career for years to come.

AIA
Committee on the Environment
Top Ten Green Buildings Award

RTKL®
AN ARCADIS COMPANY

THE AMERICAN INSTITUTE OF ARCHITECTS

COTE Top Ten Award, 2014
University of Baltimore John and Frances Angelos Law Center

AIA Maryland, Excellence in Design, Honor Award Commercial Architecture, Interstate 95 Maryland House and Chesapeake House Travel Plazas 2015

AIA Maryland, Excellence in Design, Honor Award Institutional Architecture, 2013 University of Baltimore John and Frances Angelos Law Center

Virginia Society AIA Award Excellence in Architecture, 2010 Thomas Jefferson Visitor Center and Smith Education Center

AIA Maryland Merit Award, 2009
Thomas Jefferson Visitor Center and Smith Education Center

AIA Maryland Citation Award, 2009
Nemours Mansion and Gardens Visitor Center

AIA Baltimore, Award for Excellence in Environmentally Sustainable Design, 2013 University of Baltimore John and Frances Angelos Law Center

AIA Baltimore Design Excellence Award, 2014
University of Delaware, ISE Lab

AIA Washington, DC Chapter Honor Award, 2014
George Washington University School of Public Health

AIA Baltimore Honorable Mention, 2009
Nemours Mansion and Gardens Visitor Center

AIA Baltimore Design Award, 2007
Duke University School of Nursing

2.2 SIGNIFICANT *HONORS AND AWARDS*

SCUP NATIONAL

Society for College and University Planning, SCUP/AIA-CAE Excellence in Architecture-New Building, Merit Award, 2014
University of Baltimore John and Frances Angelos Law Center

INDUSTRY NATIONAL

Brick Industry Association, Brick in Architecture Awards, Best in Class for Commercial Buildings, 2015
Interstate 95 Maryland House and Chesapeake House Travel Plazas

National Gold Award, Ceilings & Interior System Construction Association, 2015
Interstate 95 Maryland House and Chesapeake House Travel Plazas

ACEC/MD, Engineering Excellence Award, 2014
University of Baltimore John and Frances Angelos Law Center, 2014

The Architect's Newspaper, Best of Design Award for Facades, 2014
University of Baltimore John and Frances Angelos Law Center

European Centre for Architecture Art Design and Urban Studies and The Chicago Athenaeum: Museum of Architecture and Design Green GOOD, DESIGN Award, 2013
University of Baltimore John and Frances Angelos Law Center

ENR National, Best of the Best Higher Education/Research Project, 2013
University of Baltimore John and Frances Angelos Law Center

Energy Performance + Architecture Award, Presented by Interclima+Elec, 2013
University of Baltimore John and Frances Angelos Law Center

American School and University Award, American School & University Educational Interiors Showcase, Outstanding Design, 2014
University of Delaware, ISE Lab

USGBC REGIONAL

Interstate 95 Maryland House and Chesapeake House Travel Plazas
- USGBC Maryland, Top Honors in Excellence in Green Building for Small Commercial Project, 2015

University of Baltimore John and Frances Angelos Law Center
- US Green Building Council Maryland, Excellence in Sustainable Design, 2012
- 2012 US Green Building Council Maryland, President's Award for Leadership & Vision in Green Building

SCUP REGIONAL

George Washington University School of Public Health
- SCUP/AIA-CAE Excellence in Architecture for New Building 2015 IIDA Northeast, Best Education Design, 2015

INDUSTRY REGIONAL

The Fred W. Smith National Library for the Study of George Washington, Mount Vernon
- Washington Business Congress Craftsmanship Awards, Woods & Plastics, Architectural Millwork, 2014

George Washington University School of Public Health
- Washington Business Congress Craftsmanship Awards, Concrete, Cast-in-Place, 2014

University of Baltimore John and Frances Angelos Law Center
- MD Chapter of American Concrete Institute (ACI), Excellence in Concrete, 2014
- ACEC/MD, Engineering Excellence Award, 2014
- ENR Mid-Atlantic, Best Overall Project, 2013
- Associated Builders and Contractors, Inc., Project of the Year, Baltimore Metro Region, 2013
- Baltimore Building Congress & Exchange, Unitized Curtainwall Award, 2013
- Baltimore Building Congress & Exchange, Glass Elevators Craftsmanship Award, 2013
- Baltimore Building Congress & Exchange, Spiral Stair Metalwork Craftsmanship Award, 2013
- Baltimore Building Congress & Exchange, Wood Treads and Railings Craftsmanship Award, 2013

Emory University Oxford Road Admissions & Student Center
Georgia ACI Chapter Award - Parking Deck Category, 2009

Emory University Turman Hall
University Business Magazine, Dorm of Distinction, 2009

Salisbury University Teacher Education & Technology Center
University Business Magazine, Education Design Showcase, Honorable Mention, 2009

University of Virginia South Chiller Plant Expansion
Education Design Showcase, Project of Distinction, 2009

2.3

SIGNIFICANT PUBLICATIONS

USGBC Core Concepts Guide, Case Study Author 2015: A case study in the Better Building Materials Guide in support of USGBC efforts to make product transparency quickly the norm. This effort uses one of the LEED v4 credits as a starting point to focus more industry attention on building material ingredients. It provides a model for moving forward with material transparency efforts by encouraging Architects to write open letters to building product manufacturers challenging them to provide information about product contents and their associated environmental effects and health hazards. The guide is to be published later this year.

AIA Architect, "Fighting for the Driver's Seat," April 23, 2015 An article featuring multiple quotes by Ms Harney, detailing how architects are engaged in high-level research and discussion about sustainability, resilience, and public-health.

USGBC LEED AP BD+C Study Guide, Technical Reviewer, 2015 Provided peer review comments to the draft guide as a subject matter expert. The study guide is to be published later this year.

Is Your Home Hurting You? Reducing Pollutants and Chemicals at Home

"Is your home hurting you? Reducing pollutants and chemicals at home," released for national distribution January 30, 2015
Ms Harney was interviewed as the basis for this article about building material issues. She relates advice on maintaining better indoor environments through better building material choices.

ENR.com: ENR's 2013 Top Green Design Firms, July 3, 2013
Article about 2013 top green design firms, featuring quotes by Ms. Harney detailing the importance of effective education and building management, to assure high performance design results in high performing buildings.

"Sustainable systems are only as strong as the people who use and manage them."

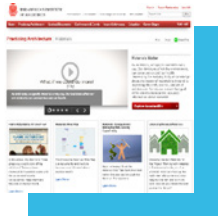
– Anne Hicks Harney

Image: The AIA

"Leaders in Sustainability Speaking at AIA Convention," April 27, 2015
Article detailing which sustainable leaders were speaking at the AIA 2015 convention, containing information on Ms. Harney's "Implementing Material Transparency into Firm Culture" session.

3.0
EXHIBITS

3.1
Ayers Saint Gross Leadership
Sustainability & Specifications



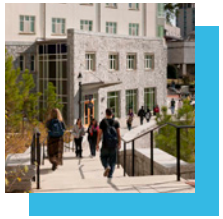
3.2
Material Transparency
National Advocacy

3.3
Material Transparency
Leading the National Conversation

3.4
ASG Academy
Sharing Knowledge Within the Firm

3.5
Created Buiding Enclosure Council
Baltimore

3.6
University of Baltimore
John and Frances Angelos Law Center



3.7
Emory University
A Sustainable Agenda

3.8
Multiple Projects
Historic City of Atturaif, Arriyadh, Saudi Arabia

3.9
Interstate 95 Travel Plazas
Maryland House & Chesapeake House

3.10
The Thomas Jefferson Visitor Center
and Smith Education Center

EXHIBIT

3.1

Ayers Saint Gross Leadership Sustainability & Specifications

ARCHITECT OF RECORD: AYERS SAINT GROSS

COMPLETION DATE: ON-GOING

ROLE: SPECIFICATIONS WRITER, DIRECTOR OF SUSTAINABILITY

Ms Harney merges her knowledge of building materials and environmental issues through her role as Ayers Saint Gross' lead technical writer where she is responsible for the execution of the firm's entire portfolio of projects. For more than 11 years she has reinforced the important lesson learned from her previous work with Michael Graves Architect and Kieran Timberlake – great architecture requires superior design ideas supported by technically proficient detailing and execution. Her main focus is on material selection and deployment, supporting teams in articulating design ideas, turning them into durable, efficient, and environmentally sound structures. She sets base standards for the firm's product palette, communicating material requirements while assuring that high performance materials are used in all of their work. She assists teams with product selection, performance modeling, executing specifications and drawing review to assure complete documentation of design intent is achieved.

As the firm's first sustainability director, she works with all teams on sustainability issues, pushing the firm to achieve higher performance across their portfolio of projects. She cultivates teams throughout the office to engage with her four-pronged sustainability effort: Projects, People, Practice and Research. Combining education and communication to get the information delivered and understood, the firm's portfolio has benefited. The success of her efforts can be seen in the continued improvement in the firms rankings. Ayers Saint Gross is ranked #34 on ENR's Top 100 Green Design Firms for 2015 and #19 on Architect Magazine's "The Top 50 in Sustainability."

ACHIEVEMENTS

- Ayers Saint Gross signed on to the AIA 2030 commitment in 2010, and the firm has used this metric to improve their work consistently. Using performance modeling in the early stages of projects, the firm's project portfolio has seen a consistent improvement in Energy Use Intensity, well on the way to achieving AIA 2030 goals.
- LEED accreditation training: Ms. Harney was the driving force behind Ayers Saint Gross' continued emphasis on building in-house expertise. The firms has consistently maintained close to a 70% LEED accreditation ratio of technical professional staff, with more than 135 staff members having gained this credential over the past 10 years.
- Under Ms. Harney's direction, the firm has completed 32 LEED certified buildings in the past eight years, with over half of these projects certified in the last three years.

DECLARATION OF RESPONSIBILITY:

As COO/Vice President of Ayers Saint Gross, I certify that as Director of Sustainability, Anne Hicks Harney has held primary responsibility for the sustainable achievements of our firm's projects, as well as writing the technical specifications for the majority of our work.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross

AYERS SAINT GROSS LEED STATISTICS

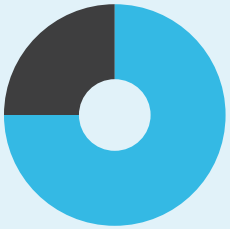
32
Total LEED Certified Projects

2 Platinum

15 Gold

14 Silver

1 Certified



70%
Of ASG Staff Members are LEED Accredited

AYERS SAINT GROSS HAS PRODUCED
(Currently to Date)

2.96 million
Square Feet of LEED Certified Space

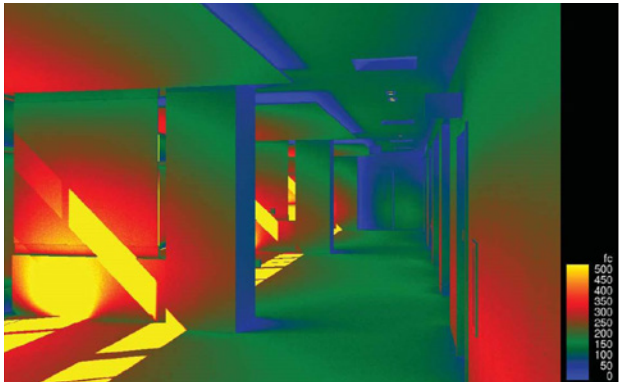
$899 million
In Total Construction Costs

OUR GRAND TOTAL WILL BE
(With the Addition of 20 Active Projects)

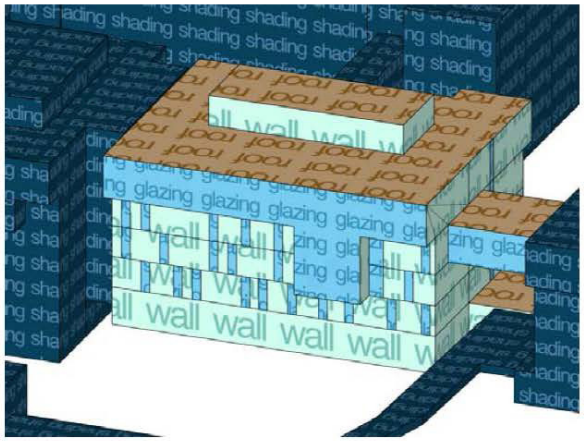
5.99 million
Square Feet of LEED Certified Space

$2.2 billion
In Total Construction Costs

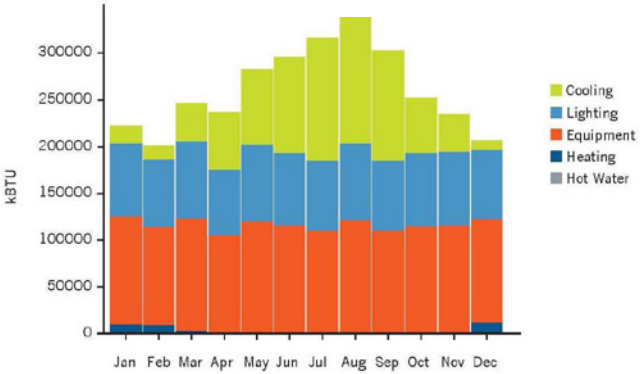
People & Projects: Leed Certifications of projects and staff

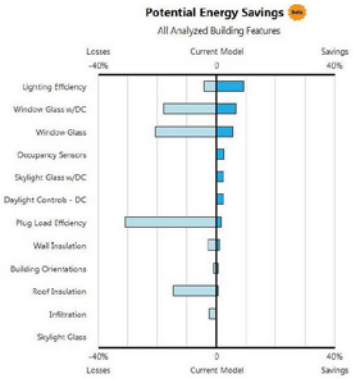


Projects: Solar modeling at Johns Hopkins medicine, Viragh Outpatient Building



Energy Modeling study





EXHIBIT

3.2

Material Transparency National Advocacy

ARCHITECT OF RECORD: N/A
COMPLETION DATE: ON-GOING
ROLE: MEMBER

In the past five years, Ms. Harney has become a national expert on material transparency. As result, she was appointed to two key national groups on the movement's forefront:

AIA Materials Knowledge Working Group, Resources and Tools Committee, Chair
As a member of the AIA Materials Knowledge Working Group, Ms. Harney has advocated for AIA board focus on the issue, provided a greater understanding of the environmental effects of building materials, and identified tools and methods for architects to use in making better material choices. The Group was formed to identify the AIA's role in the growing issue of material transparency and to assist in developing resources for the profession.

RESULTS: The AIA board has adopted meaningful statements advancing this issue nationwide. The aia.org/materials website has been established, providing a vehicle for the group to communicate with membership, provide tools and education, and support the membership at large.

"Anne Harney has become one of the leading voices for material transparency in the AIA and the profession."

– Larry Strain, FAIA, LEED AP, Siegel & Strain Architects

USGBC MR TAG: Materials and Resources Technical Advisory Group,
Ms. Harney was invited to join this group to provide recommendations to the USGBC board for adopting additions, revisions, and clarification to the Materials and Resources credit category of the LEED rating system.

RESULTS: Ms. Harney has contributed case study information for USGBC support material, served as a technical reviewer on study guides, and has taken an active role in numerous TAG sub-committee. This work has both supported the USGBC mission and found ways to strengthen and advance the materials portion of the rating system.

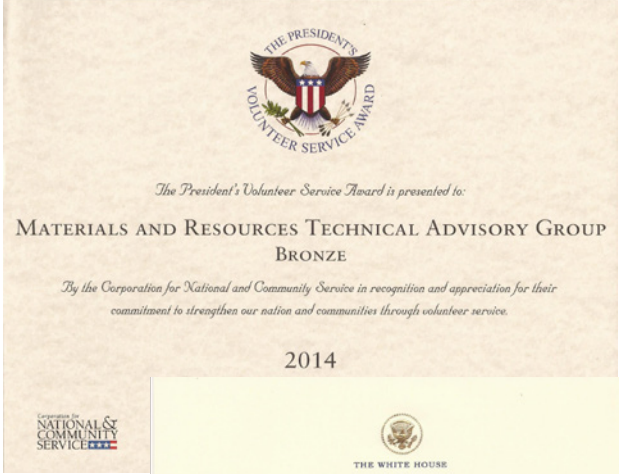
AWARDS: US President's Volunteer Service Award, 2014; awarded to the Materials and Resources Technical Advisory Group

PUBLICATIONS: Core Concepts Guide, Case Study author, completed in 2015, publication pending, USGBC LEED AP BD+C study guide, technical reviewer, completed in 2015, publication pending

DECLARATION OF RESPONSIBILITY:
I have personal knowledge of the nominee's responsibility for this initiative.

Mary Ann Lazarus, FAIA *Principal MALeco, 2013-2015 AIA Resident Fellow*

USGBC MR TAG accepting US President Barack Obama's Volunteer Service Award



THE PRESIDENT'S VOLUNTEER SERVICE AWARD

The President's Volunteer Service Award is presented to:

MATERIALS AND RESOURCES TECHNICAL ADVISORY GROUP
BRONZE

By the Corporation for National and Community Service in recognition and appreciation for their commitment to strengthen our nation and communities through volunteer service.

2014

Corporation for NATIONAL & COMMUNITY SERVICE

THE WHITE HOUSE
WASHINGTON

Congratulations on receiving the President's Volunteer Service Award, and thank you for helping to address the most pressing needs in your community and our country.

In my Inaugural Address, I stated that we need a new era of responsibility—a recognition on the part of every American that we have duties to ourselves, our Nation, and the world. These are duties that we do not grudgingly accept, but rather seize gladly, firm in the knowledge that there is nothing so satisfying to the spirit than giving our all to a difficult task. Your volunteer service demonstrates the kind of commitment to your community that moves America a step closer to its great promise.

Our Nation faces the most challenging economic crisis in a lifetime. We will only renew America if we all work together. Individuals, the private sector, and government must combine efforts to make real and lasting change so that each person has the opportunity to fulfill his or her potential.

While government can open more opportunities for us to serve our communities, it is up to each of us to seize those opportunities. Thank you for your devotion to service and for doing all you can to shape a better tomorrow for our great Nation.

"Anne Hicks Harney's leadership on the AIA Materials Knowledge Working Group was critical to our success. She combined a strong voice for change with deep technical knowledge and more first-hand experience with a truly daunting body of knowledge than anyone I know." – Michael R. Davis, FAIA, LEED AP, *Vice President Bergmeyer*

[ ] MATERIALS MATTER TO US.
aia.org/materials

AIA Materials Knowledge Working Group Summit - January 2014

EXHIBIT

3.3

Material Transparency Leading the National Conversation

ARCHITECT OF RECORD: N/A
COMPLETION DATE: ON-GOING
ROLE: SPEAKER

In parallel with transparency movements across the globe, the US design and construction community is engaged in an unprecedented discussion about material ingredients. Ms. Harney's expertise with building materials and sustainability, and her advocacy efforts have made her a leader in this conversation. Speaking across the country in multiple forums, she has addressed building material concerns and promoted the development of material transparency tools and resources.

PRESENTATIONS:

Greenbuild, "Product Rules," November 2015 (scheduled), with Kirsten Ritchie (Gensler), Paula Melton (BuildingGreen) and Jennifer Atlee (HPD Collaborative).
In the spirit of Michael Pollan's book "Food Rules," Product Rules will provide 12 basic rules for selecting better, healthier, more environmentally responsible products.

AIA National Convention, "Implementing Material Transparency into Firm Culture," May 2015, with Kirk Teske (HKS) and Robert Phinney (Sebesta).
Using standard tools already at our disposal, we can improve transparency in material selection. These tools—specifications—have the power to make change while demonstrating the need for consistency and simplified elegance.

Greenbuild, Materials and Human Health Summit, "Stuff We Buy and Stuff We Spec," October 2014, with Kirsten Ritchie (Gensler), Mikhail Davis (Interface), and Jeff Zeman (Kohler).
Examined the parallels in the creative processes for developing both buildings and the products that create it. Discussion of how manufacturers and building designers make informed choices to optimize their end products.

DesignDC, "Health Product Declaration, A Conversation Between Architects and Manufacturers," October 2014, with Lance Hosey (RTKL), Rus Perry (SmithGroupJJR), and Robert Phinney (Sebesta).
In parallel with transparency movements across the globe, the US design and construction community is engaged in an unprecedented discussion about material ingredients. Four leading practitioners and material transparency advocates describe this new landscape of disclosure and enter into conversations with manufacturers about how they can collaborate in the new material information network.

AIA National Convention, "Material Knowledge Open Forum," June 2014
As requirements evolve, architects are challenged to make wise material choices for improved environmental and material health. This forum discussed what architects need to know to choose the right products, positively impacting the planet, and better serving their clients.

Living Future, "Resilient Design" Workshop, Building Green, AIA Baltimore COTE May 2014, with Mary Ann Lazarus (AIA) and Alex Wilson.
An interactive workshop facilitating a better understanding of resilience, its underlying principles, and how those can be applied in design. The workshop included solving a sketch problem, to design a fully resilient emergency operations shelter and community "resilience hub" within the requirements of the Living Building Challenge.

PRODUCT RULES

RESILIENT

"Anne provides a unique voice — a leading technical Architect passionate about the performance characteristics of building materials, and committed to the advancing the cause of Material Transparency throughout the industry."

– Kirsten Ritchie, PE, LEED AP O+M, *Principal Gensler*

ATLAIANTA!

NEW ORLEANS 2014

DECLARATION OF RESPONSIBILITY:

I have personal knowledge of the nominee's responsibility for this initiative.

Mary Ann Lazarus, FAIA *Principal MALeco, 2013-2015 AIA Resident Fellow*

EXHIBIT

3.4

ASG Academy - Sharing Knowledge Within the Firm

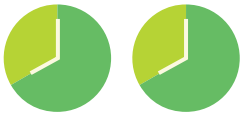
ARCHITECT OF RECORD: AYERS SAINT GROSS

COMPLETION DATE: ON-GOING

ROLE: DIRECTOR ASG ACADEMY

Identifying a need to provide technical information to Ayers Saint Gross staff, Ms. Harney founded and oversees the ASG Academy, Ayers Saint Gross' in house CEU system. Through this weekly program, more than 35 hours/year of AIA approved CEU's are provided firm-wide, with an emphasis on sustainable materials and high performing systems. Combining carefully selected product representative presentations along with Ayers Saint Gross employee experts, the Academy offers a wide range of topics. Ms. Harney has presented multiple technical presentations on current work along with specification training sessions.

16

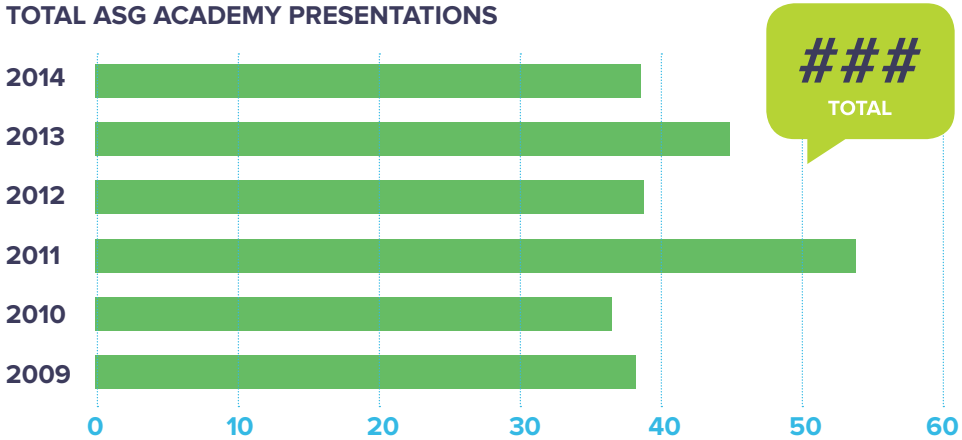


the number of continuing education hours that Ayers Saint Gross encourages and pays each employee for annually

IN-HOUSE PRESENTATIONS MADE BY MS. HARNEY:

- Energy Codes 102 – IgCC, February 2015
- Energy Codes 101 – IECC, January 2015
- EPD's and HPD's, Product Transparency and Product Declarations
- LEED 2012: Review of changes, *September 2011*
- LEED 2009: Review of changes, *October 2009*
- LEED 101: an Overview, *October 2007*

TOTAL ASG ACADEMY PRESENTATIONS



DECLARATION OF RESPONSIBILITY:

As COO and Vice President of Ayers Saint Gross, I certify that the nominee created the ASG Academy, and established a working model that has remained in place as a permanent fixture of the firm's culture.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross

EXHIBIT

3.5

Created Building Enclosure Council Baltimore

ARCHITECT OF RECORD: N/A

COMPLETION DATE: ON-GOING

ROLE: FOUNDING CO-CHAIR

Realizing there was no forum in Baltimore to gather like-minded professional to discuss and advance issues relating to sustainable, high-performing building enclosures, Ms. Harney co-founded a Building Enclosure Council for the city of Baltimore. BEC-Baltimore, a member of a network of NIBS affiliated Building Enclosure Councils and a new sub-committee of AIA Baltimore, works to educate professionals, coordinate events, and communicate building enclosure issues throughout the area.

Under her leadership, the group organizes monthly events covering a wide variety of building enclosure issues, helping to evolve projects and educate the community about more sustainable building practices.

Results: The community has grown to include architects, engineers, product manufacturer representatives, and building contractors. Members are becoming more knowledgeable about high performing building enclosures and critical environmental issues.

DECLARATION OF RESPONSIBILITY:
I have personal knowledge that the nominee has primary responsibility for this initiative.

Rob Brennan, AIA, 2015 AIABaltimore President

PRESENTATIONS:

- *High Performing Building Enclosures*
- *Re-purposing our Aging Inventory*
- *Design Considerations for Climate Change*
- *The 4 Barriers*
- *Roundtable Discussion on NFPA 285*
- *Controlling Building Envelope Air Leakage*
- *Principles and Technologies of Green Roofs - Roof Walk*
- *Air Barrier Design, Commissioning and Testing*
- *Air Barrier and Flashing Workshop*
- *Gemini – Two Low-Energy Buildings in One*
- *The Quirkiness of Stone*
- *Extensive Vegetated Roofing System Assembly and Design*
- *Building Science at Intertek – ATI*
- *High Performance Enclosures – Passive House*
- *High Performance Wall Assemblies – Minimizing Thermal Bridging*

BEC BALTIMORE Building Enclosure Council

EXHIBIT

3.6

University of Baltimore John and Frances Angelos Law Center

ARCHITECT OF RECORD: AYERS SAINT GROSS

DESIGN ARCHITECT: BEHNISCH ARCHITEKTEN

COMPLETION DATE: 2013

ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

The University of Baltimore set their sights on a well-designed building when they hired the team of Behnisch Architekten/Ayers Saint Gross for the John and Frances Angelos Law Center. By keeping a constant focus on the project's performance metrics while crafting the technical specifications to meet the required design standards, Ms. Harney encouraged the team to aim higher and achieve a LEED Platinum building, the first for the University of Maryland system.

Working as sustainability lead and specifications writer, Ms. Harney was integral to the sustainability decision-making process, and documented high-performing materials selected to assure material choices advanced the cause of the project.

- The exposed concrete structure is designed as a radiant active heating/cooling unit, containing integrated pipes supplied by cool or warm water, while also serving as finished floor and ceiling surfaces.
- The high performance glazed cladding system consist of a combination of two curtainwall systems, which control energy and acoustic requirements. By modulating glazing types, frit patterns, and configurations of sunshades, the façade achieved high performance marks.

PERFORMANCE NUMBERS:

68%

Energy Use Reduction

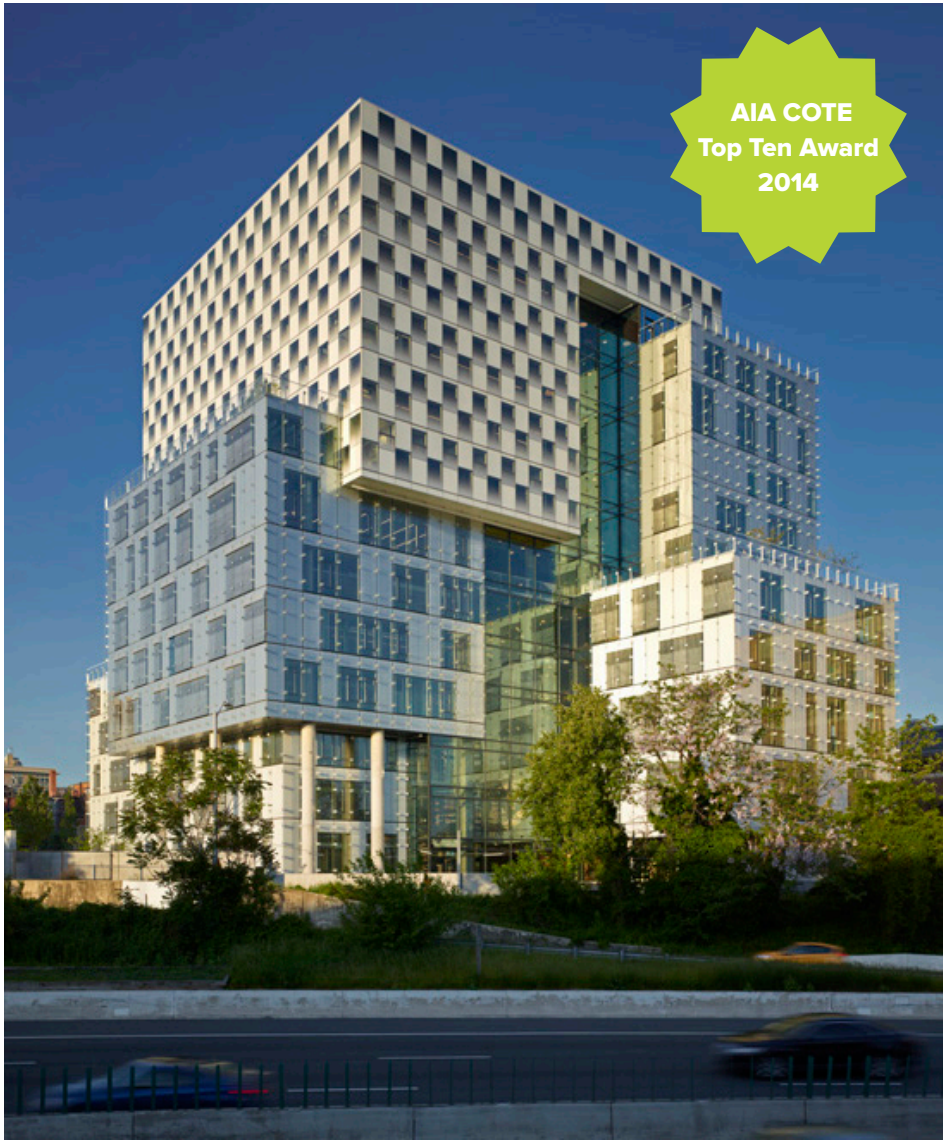
57%

Water Use Reduction

DECLARATION OF RESPONSIBILITY:

I have personal knowledge of the nominee's responsibility for the project listed above and that responsibility included sustainability specialist and specification writer.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross



AWARDS:

- AIA COTE, Top Ten Award, 2014
- SCUP/AIA-CAE, Excellence in Architecture – New Building, Merit Award, 2014
- The Architect's Newspaper, Best of Design Award for Facades, 2014
- ENR, Best of the Best, Higher Education/ Research Project, 2013
- AIA Baltimore, Award for Excellence, Environmentally Sustainable Design, 2013
- AIA Maryland, Excellence in Design Honor Award Institutional Architecture 2013
- US Green Building Council Maryland, Excellence in Sustainable Design, 2012
- US Green Building Council Maryland, President's Award for Leadership & Vision in Green Building, 2012
- ENR Mid-Atlantic, Best Overall Project, 2013

EXHIBIT

3.7

Emory University A Sustainable Agenda

ARCHITECT OF RECORD: AYERS SAINT GROSS
COMPLETION DATE: 2007-2014
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

Emory University, a forward-looking institution, first developed an environmental agenda to guide their future in 2005. Ms Harney worked with project teams on the design and construction of five freshman residence halls, the admissions building, and bookstore. Drawing on her deep knowledge of building materials she stewarded the process of merging the University's signature clay-tile roof and stucco exterior aesthetic, with modern cladding techniques and new feature materials. Building performance was improved by working with the team to develop a wall cladding system that provided continuous insulation and air barriers, while allowing the articulation of the façade required by the design.

She also worked to engage the building users — the students — by allowing them to understand sustainability issues. Integral to this sustainability story at Emory University is minimizing water usage. By utilizing sophisticated rainwater harvesting and graywater recycling systems incorporated within the vegetated roof systems, the Emory projects consistently achieved high water use reduction percentages, topping out at 56% at Few and Evans Hall. Additionally, material selection focused on providing durable, environmentally responsible selections that provide healthy environments for the student occupants, furthering the residence halls' theme of "Living Green: Sustainability in the 21st Century."

DECLARATION OF RESPONSIBILITY:
I have personal knowledge of the nominee's responsibility for the project listed above and that responsibility included sustainability specialist and specification writer.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross

36%

Energy Use Reduction

51%

Water Use Reduction (avg. of 5 projects)

EXHIBIT

3.8

Multiple Projects: Historic City of Atturaif, Addiriyah, Saudi Arabia

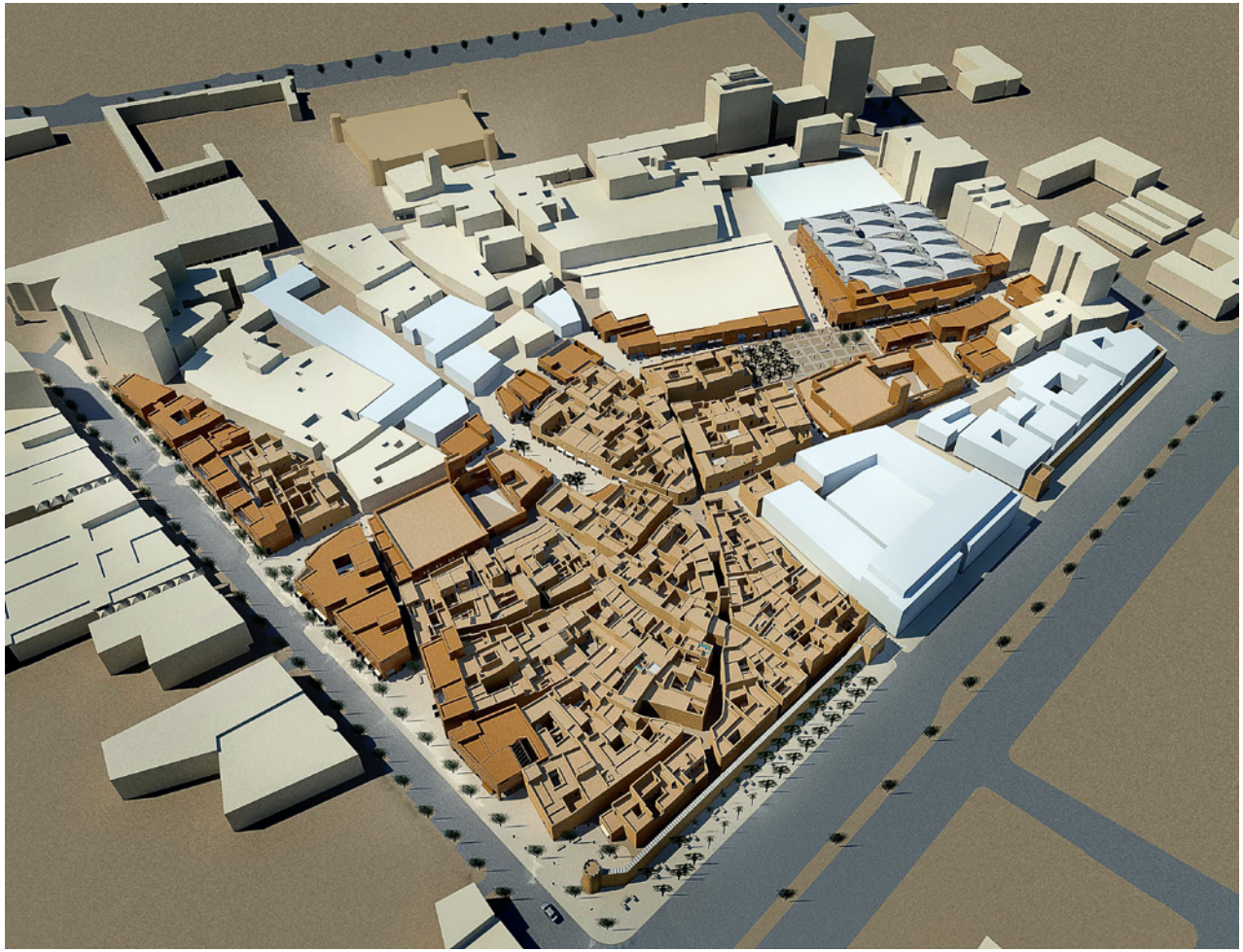
ARCHITECT OF RECORD: AYERS SAINT GROSS
COMPLETION DATE: 2016
ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

On multiple projects in the Historic City of Atturaif, Addiriyah, Saudi Arabia, Ayers Saint Gross worked with natural, indigenous materials and used historically accurate infill techniques while allowing discreet incorporation of a modern infrastructure. Ms. Harney worked integrally with project teams, utilizing her building material knowledge and understanding of environmental issues to assist them in working in this challenging climate.

- **Living Museum and Visitor Center:** Ayers Saint Gross is designing a new visitor center, living museum, and landscape featuring a visitor experience that illustrates the history of an ancient middle-eastern civilization and the lifestyles of its people prior to its fall.
- **Addiriyah Museum at Salwa Palace, Walkway and Galleries, Old Diriyah:** The museum experience begins with a 300-meter elevated walkway that carries visitors through the ruined palace's most important hallways and chambers. This culminates in a simple yet sophisticated glass and metal gallery that tells the story of the history of the First Saudi Kingdom, and the lives of its four Imams. The building is elevated to preserve and highlight the archaeology of the palace's construction.
- **Addoho Quarter Renewal:** A renewal of the oldest remaining traditional mud brick homes in Riyadh will provide a significant link between the historic city of Riyadh and the modern downtown.
- **Traditional Souk:** The restoration of 50 large mud brick courtyard houses to their original condition, while introducing new commercial and educational uses. Working with Najd Style Architecture and traditional Saudi construction techniques, the buildings incorporate mud brick fabricated on site, athyl wood detailing, and palm frond ceilings.

DECLARATION OF RESPONSIBILITY:
I have personal knowledge of the nominee's responsibility for the project listed above and that responsibility included sustainability specialist and Specification Writer

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross



The project had no specific environmental goals or aspirations, but its location within an ancient middle-eastern civilization provided opportunities to explore alternative ways to be sustainable. Utilizing techniques that would allow for a durable, resilient structure and by using traditional materials and methods, a whole portion of an ancient city is being restored.

Materials: Working within the confines of the project's extreme climate conditions, a materials palette was developed that included unfamiliar products and techniques. Ms. Harney had to become expert with these new requirements that were used for the renovation in order to complete the technical specifications for the project.

EXHIBIT

3.9

Interstate 95 Travel Plazas Maryland House & Chesapeake House

ARCHITECT OF RECORD: AYERS SAINT GROSS

COMPLETION DATE: 2014

ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

In 2012, Ayers Saint Gross was hired to lead the design team developing new travel plazas on the I-95 interstate corridor. The existing travel plazas were being re-developed to provide an improved user experience. Located north of Baltimore, they provide an important first impression to the millions of motorists traveling in and through the state of Maryland. Ayers Saint Gross took existing, high-use buildings and redesigned them to a higher performance standard. Leading the sustainable design from schematic through final LEED certification, as well as writing the specifications and assisting with product selection, Ms. Harney shaped the direction and the final design outcome. The new buildings achieve higher performance metrics, while meeting the complex needs of a facility that serves over 5 million users per year.

- The building systems and envelope design account for a building energy performance that is 26% more efficient than the baseline case. A 42% reduction in water usage in the buildings was accomplished.
- The site design reduced the quantity of storm water runoff by eliminating existing impervious cover. Storm water is treated on site in facilities that have a high Total Suspended Solids (TSS) removal efficiency. The outcome is an improvement to the quantity and quality of storm water runoff at facilities within sight of the Chesapeake Bay.
- Interior spaces are flooded with natural light from clerestory window system, creating calming interior spaces finished with natural materials. Indoor air quality is preserved by eliminating the use of urea formaldehyde and volatile organic compounds.

26%

Energy Use Reduction

42%

Water Use Reduction

23%

Impervious Surface Eliminated

DECLARATION OF RESPONSIBILITY:

I have personal knowledge of the nominee's responsibility for the project listed above and that responsibility included sustainability specialist and specification writer.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross

"These travel plazas are at the forefront of a new standard for this building type, focused on efficient operation meeting high sustainability standards."

– Anne Hicks Harney

AWARDS:

- AIA Maryland, Excellence in Design, Honor Award Commercial Architecture, 2015
- Top Honors in Excellence in Green Building for Small Commercial Project, USGBC Maryland, 2015 Brick Industry Association, Brick in Architecture Awards, Best in Class for Commercial Buildings, 2015
- Gold Award, Ceilings & Interior System Construction Association, 2015

EXHIBIT

3.10

The Thomas Jefferson Visitor Center & Smith Education Center

ARCHITECT OF RECORD: AYERS SAINT GROSS

COMPLETION DATE: 2008

ROLE: SPECIFICATIONS WRITER, SUSTAINABLE SPECIALIST

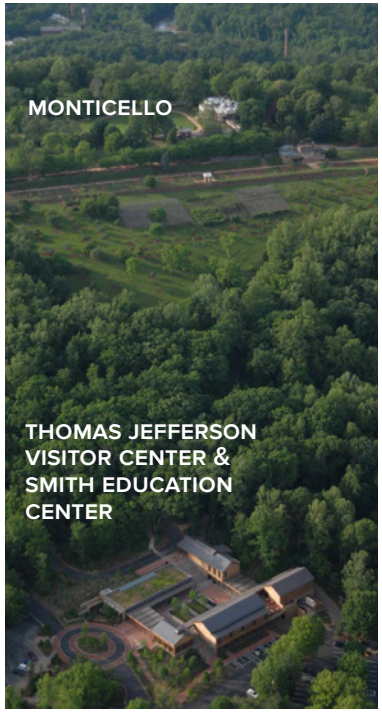
Designed to welcome 450,000 annual visitors to Monticello, Thomas Jefferson's historic house, this 42,000-square-foot complex is sited below the hilltop home. Ms. Harney coordinated sustainability goals across multiple disciplines while advising on product selections to assure that goals of aesthetics, durability and performance were met. Utilizing her knowledge of building materials, she worked with the team on product selections. The site demanded a local and natural palate that ultimately consisted of stone, wood, and copper. Reclaimed wood plank flooring from a local source was utilized inside the visitor's center. Integrating these regional products seamlessly into the design was integral to the beauty of the project.

The visitor center is positioned on three levels and nestled into the steeply sloping, wooded site to preserve the existing topography and historic views. The exterior envelope, specified and detailed to be high performance, was an integral factor in the energy reduction of the finished facility. Incorporating a varied material palette and a vegetated roof, the building achieved a 28% reduction in energy use.

Functioning as sustainability specialist and specification writer, Ms. Harney coordinated sustainability goals assuring that the project stayed focus on achieving LEED Gold certification.

AWARDS:

- 2010 Virginia Society AIA Award for Excellence in Architecture
- 2009 AIA Maryland Merit Award
- 2012 WoodWorks - Commercial



41%

Energy Use Reduction

42%

Water Use Reduction

DECLARATION OF RESPONSIBILITY:

I have personal knowledge of the nominee's responsibility for the project listed above and that responsibility included sustainability specialist and specification writer.

Glenn Birx FAIA, COO and Vice President, Ayers Saint Gross


THEATER


to try all things
MONTICELLO AS EXPERIMENT

References:

1. Glenn Birx FAIA,
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Professional Colleague

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Professional Colleague