



Application Package for Candidates to the ASPE Society Board of Directors

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American Society of Plumbing Engineers
6400 Shafer Court, Suite 350
Rosemont, IL 60018
(847)296-0002
aspe.org info@aspe.org

Dear ASPE Member,

This Candidates Application Package should be completed in its entirety by any member who has decided to run for a position on the ASPE Society Board of Directors. This package must be submitted to the ASPE office no later than the deadline noted below to be considered as a Candidate in accordance with the Bylaws.

In addition to this Application Package, every Candidate must confirm they are currently employed in the Plumbing industry and submit a letter or provide another form of correspondence indicating approval of both family and their employer to undertake the requirements of serving as a member to the Society Board of Directors. Every Candidate must also include a current photograph in accordance with Chapter 10.16 Nominating of the P&O Manual.

The description, composition, and responsibilities of the Nominating Committee is listed in Chapter 8 of the P&O Manual. A few key points from that Chapter are as noted below:

- The list of Candidates for the Board of Directors shall include the name of any member submitting their application for consideration who meets the requirements of the Society's Bylaws.
- The Committee shall interview all Candidates to determine if they are qualified to hold the Board position they are seeking. If the Committee does not feel the Candidate is qualified to hold the position they are interested in, the Committee may recommend that the Candidate consider running for a different position.
- Based on the information gathered during the interview process of each Candidate, the Committee shall prepare a slate that list at least 2 recommended individuals for each position, and this list shall be referred to as the "Recommended Slate of Officers". The Recommended Slate of Officers shall be the top-rated Candidate or Candidates for each Board position as ranked by the Nominating Committee.

The next election of Board members will take place during the ASPE Biennial Business Meeting. The information provided by the Candidates in this Application Package, the letter or correspondence indicating family approval and if possible, similar correspondence relative to employer approval, and the Slate of Officers from the Nominating Committee, will help the members and Delegates make an informed decision when casting their vote during the election of the Society Board of Directors.

Thank you for your interest as a Candidate to the ASPE Board of Directors.

Sincerely,



Mitchell J. Clemente, CPD, FASPE
Nominating Committee Chair

Package must be submitted by May 8, 2020

NOTE: This Application Package will be presented to the members and Delegates exactly as submitted by the Candidate regardless of the accuracy, or legibility of the information provided. No changes or modifications of any kind will be permitted by anyone including the Candidate, Society office or the Nominating Committee once this Application Package has been submitted. It is recommended that all of the information submitted be hand written or printed legibly or typed to avoid any confusion or misunderstandings.



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STATEMENT OF INCLINATIONS, INTERESTS AND AFFILIATIONS (To Help Determine Potential Sources of Bias and Conflict of Interest)

Name: WHITNEY BLAIR MINYARD Telephone (day): 205-943-5440
Telephone (evening): 205-915-4990 E-mail: blair.minyard@gmail.com
Address: 370 Glen Cross Way City: Trussville State: AL Zip: 35173
Company (Employer): B.L. Harbert International LLC Title: Mechanical Engineer
Company (Employer) Product or Service: Contractor ASPE Membership # 38309
Chapter Affiliation: ALABAMA CHAPTER
Preferred ASPE Society Board of Directors; if no preference please state "None": Treasurer

The responsibility for completing and submitting this statement of inclinations, interests and Affiliations rests solely with the individual completing this Application Package. Please reference the next page for guidelines and definitions, and submit only the information that is relevant and merits disclosure regarding:

1. All ASPE policies with respect to interest categories and as related to any bias and conflict of interest.

Instructions:

- A. Please make sure to include a cover letter of interest to the Nominating Committee addressed to the Nominating Committee Chair.
- B. Include a letter or other correspondence from both your employer and family stating their approval and support of you pursuing this position. This letter or correspondence is a vital piece to your application and will demonstrate that your family and employer are fully aware of the responsibilities that comes along with serving on the Society Board of Directors, and that serving on the board will require you to be away from family and your place of employment for certain periods of time.
- C. Contact the Nominating Committee Chair if you have any questions regarding the completion of this form.
- D. When this form has been completed, sign, date and return to bsmith@aspe.org. Attach additional pages if necessary and retain a copy for your records.
- E. A statement of inclinations, interests and affiliations does not prevent candidacy to the Board of Directors but is for the purpose of notifying the members and the delegates of any bias or potential bias.
- F. If there is no information to be reported, write the word "NONE" in the space provided.

If the Candidate is elected and during your period of service on the Board, any changes in information reported on this form, or any new information relevant to the question of potential bias or conflict of interest should be promptly reported to the ASPE Board of Directors and the ASPE Executive Director/CEO.

1. ORGANIZATIONAL AFFILIATIONS.

Report relevant present and past business relationships (as an employee, owner, officer, director, consultant, member, etc.) and relevant remunerated or volunteer non-business relationships (e.g., professional organizations, trade associations, code organizations, lobbying groups, public interest or civic groups, and trade magazines). Include specific activities and committee involvements.

2. PUBLIC STATEMENTS AND POSITIONS.

List relevant articles, testimony, speeches, etc. by date, title and publication (if any) in which they appeared. Provide a brief description of relevant positions of any organizations or groups with which you are or have been closely identified or associated.

W. Blair Minyard
Signature

05/08/2020
Date

GUIDELINES AND DEFINITIONS

Bias

The question of potential sources of bias ordinarily relates to views stated or positions taken that are largely intellectually motivated or that arise from the close identification or association of an individual with a particular point of view or the positions or perspectives of a particular group. Such potential sources of bias are not disqualifying for purposes of the Society Board of Directors. It is necessary, however, in order to ensure that the members and the Delegates are aware of potentially biasing backgrounds or professional or organizational perspectives.

Conflict of Interest

It is essential that the work of the ASPE Society Board of Directors not be compromised by any significant conflict of interest, or in some circumstances the significant appearance of conflict of interest, on the part of any member of the Board or anyone associated with the Board (e.g., consultants and staff). For this purpose, the term "conflict of interests" means any financial or other interest that conflicts with the service of an individual because it (1) could impair the individual's objectivity or (2) could create an unfair competitive advantage for any person or organization. The existence of a significant conflict of interest is important information to the membership and the delegates.

How conflicts of interest arise

1. The Society Board of Directors includes individuals with strong personal, financial, or professional interests in seeing that the Society recommend or produce a particular outcome.
2. An agency, a sponsor, or a private organization or company attempts either to influence the Society Board members or to skew the body of information reviewed by the Board of Directors.
3. The conflicts of interest or bias can arise concerning individual points of view especially on contentious issues. For the Board of Directors, nearly all of the people of relevant competence have backgrounds of connections and experience that constitute, or can be construed by others as constituting, potential sources of bias in one direction or another. It may, therefore, be difficult to find individuals with the pertinent knowledge who have not been involved previously with an issue that will come before the Board. Such situations are resolved by the membership and the delegates by selecting a carefully balanced consensus-forming body so that all points of view can be represented.

To avoid conflicts of interest

Adhere to ASPE policies and procedures. These policies and procedures include specific questions and assessments prior to the election of officers to the ASPE Society Board of Directors to bring possible conflicts of interest to the attention of the membership and the delegates. Two essential parts of this process are, prior to the election of officers, completion of a short statement of inclinations, interests and affiliations that lists professional connections and indicates any positions taken in relevant public statements, and any other interaction between the Candidates and Delegates during the biennial Convention.

CANDIDATE APPLICATION FOR ASPE BOARD OF DIRECTORS

[Please Type or Print]

1. Education

Education Level	Name of Institution	Major/Course of Study	Years Completed	Date of Graduation	Degree Earned
High School	E.B. ERWIN H.S.	ADVANCED - SCIENCE	ALL	05/2001	ADVANCED
Technical School	WALLACE ST. / JEFF ST. COMM COLLEGE	CONST. & ENG. TECH	2		
College or University	U.A.B.	CIVIL, CONST. & ENVIRO ENG. + MECH. ENG.	7	05/2008	BS
Graduate Studies or Other	U.A.B.	MECH ENG.	1.5		

2. Certification and Registration

- A. Are you Certified In Plumbing Design (CPD)? ☒ Yes ☐ No
- B. Are you a Certified Plumbing Design Technician (CPDT)? ☐ Yes ☒ No
- C. Do you hold the Green Plumbing Design Certificate (GPD)? ☐ Yes ☒ No

- D. Are you a Registered Engineer? ☒ YES ☐ NO Number of States: 01

List States: ALABAMA

C. Other (Specify): _____

3. Professional Experience (Include Each Position)

Date		Employer	Title	Describe Duties/Responsibilities (e.g. design, codes, sales, etc.)
From	To			
2015	CURRENT	B.L. HARBERT INTERNATIONAL	MECHANICAL ENGINEER/ VDC ENGINEER	Design/Constructibility & Procurement (International Construction)
2014	2015	ROBINS & MORTON - P&I DIVISION	MECHANICAL ENGINEER	Design- Industrial Applications
2008	2014	CRS Engineering / SSOE	Plumbing Designer	Plumbing Design - Commercial, Medical, Student Housing, Government Projects
2001	2008	Central Station Inc.	Fire Prot. Design/Office	Fire Protection CADD Designer

(can continue on next page)

4. ASPE History

A. Please Provide:

a. Year Joined ASPE: 2009

b. Initial Membership Grade: Associate

c. Current Membership Grade: Full

B. Society Activities:

a. Society (National) Offices Held

Date		Society (National) Office/Position	Position
From	To		
2016	2018	ASPE - Young Professional Liaison	AYP Liaison
2018	2020	ASPE - Vice President of Education	VP - Education

b. Society (National) Committees and Other Activities

Date		Name of Society (National) Committee/ Working Group or Other Activity	Society (National) Position
From	To		
2016	2019	ASPE AYP COMMITTEE	REGION 3 LIAISON
2018	2020	ASPE EDUCATION COMMITTEE	BOARD LIAISON
2018	2020	ASPE CREDENTIALING COMMITTEE	MEMBER

C. Chapter Activities:

a. Chapter Offices Held

Date		Name of Chapter	Chapter Office/Position
From	To		
2015	2020	ALABAMA	PRESIDENT
2015	2017	ALABAMA	VP- TECHNICAL
2013	2015	ALABAMA	VP- MEMBERSHIP
2015	2017	ALABAMA	ASPE YOUNG PROFESSIONAL

b. Chapter Committees and Other Activities

[illegible]

5. Membership and Activities in Other Societies or Associations

Society or Trade Association	Year Joined	Membership Grade	Committee/Activity	Date		Position
				From	To	
ICC	2008					MEMBER
ASHRAE	2014	FULL				MEMBER
NFPA	2006	FULL				
GBBG (BIM USER GROUP)	2016	2018				FOUNDER

6. Technical Interest Areas (e.g., system design, equipment selection, specification preparation, codes, etc.)

Education & Publications (Reference Material/Data) - Design Application

As a society, we are a group of varying individuals with a vast array of experience in our industries no matter if they are design, sales, or construction. With the immense amount of information combined through our membership; our knowledge can be converted into educational opportunities through publications, technical sessions, webinar, and workshops.

7. General or Society Interest Areas (e.g., technical, education, legislative, membership, finances, AYP, WOA)

When it comes to general and society interests I would have to say all areas are of interest. Without each one of these items there is a gap within the society. We must all work in a cohesive effort to establish a better society for tomorrow.

8. Honors and Awards [e.g., honors, awards (list ASPE’s first)]

Honor or Award Received	Organization Received From	Date Received
Up & Comers Under 30	Business Alabama	June 2010
Nominated - 40 Under 40 Award	Consulting - Specifying Eng. Magazine	Feb 2015
2019 PHCP Millenials on the Move	Plumbing Engineer Magazine	July 2019

9. Publications Authored

Number of Books/Manuals: 0 Number of Papers: 0 Number of Articles: 0

List up to five (5) significant publications. Attach additional list, if needed.

Title	Publisher or Publication	Date Published

10. Patents, Registrations or Trademarks Owned

Number of Patents: 0 Number of Trademarks or Registrations: 0

Patent/Registration/Trademark Number	Describe Patent/Registration/Trademark	Date Issued

11. Projects

List up to five (5) significant projects. Attach additional list, if necessary.

Project Name or Description	Year Completed	Your Role in Project	Significance of Project
2018 - Qatar Early Warning Radar	In Construction	Design Eng/Contractor	Multi-Code & Unique
2014 - National Nuclear Sec. Admin	Implemented Design	Plb Design/BIM Room	Security & Size
2014 Cancer Center	Design & Construction	Plb Design/BIM Room	State of the Art Tech
2011 - Children's of Alabama Hospital	Design & Construction	Plb Design / BIM Room	Pre-Fab Design
2008 - Dep. of Veteran Affairs	Design	Fire Alarm Design	Complexity of Reno

12. Civic, Charitable and Military Service

Sulphur Springs Baptist Church - Youth Leader 2007 - Current
MathCounts Competition - Local Judge/Grader (Middle School) [2015-current]
WorldChangers - Community Christian Construction
Habitat for Humanity - Home Construction (4 home builds)
Local High School - Math & Science tutor for underprivileged
International Sponsor - Uganda (Education & Health-care facility support)

13. Your answers to the following questions will help the members and delegates better understand each candidates position and goals as they make the best possible informed decision when electing officers to the Society Board of Directors. If you need additional space, use additional sheets of paper. Reminder, however, you fill in this form (e.g., hand written, printed, typed, etc.) is how it will be presented to the members and Delegates.

13A: Why are you running for this position on the Society Board of Directors, and what makes you stand out from all the other potential Candidates?

Serving on the ASPE National Board allows me to have a say in the activities within our society. I have had the pleasure of spending the last 4 years on the National board in two different roles; the first as AYP (ASPE Young Professional) Liaison and just recently serving the society as the VP, Education. Both of these roles have allowed me to take part in very two different aspects of the operations of ASPE. The role of Treasurer within the society is a very different approach to gaining a better understanding things on a global aspect from our daily operations to the future planning of our society.

13B: What do you suggest we do immediately to better the Society, and what you would do personally to accomplish this goal?

I truly believe we need to speak up more as a society. I encourage everyone to please voice their opinions, ideas and constructive criticism to help develop our society together. We must acknowledge that our society is complex and ever evolving organization; its through each one of our members we are able to develop and improve our systems and information.

13C: Every position on the Society Board of Directors has an effect on membership. Regardless of which position you are running for; how do you plan on retaining and growing our membership base?

I believe with an established foundation we can provide the most developed assets to the society for growth and retention, and when I mention foundation I mean the budget. Truthfully funds are required to take on most tasks needed for improvements; it is the responsibility of the board to ensure that we are fiduciary responsible to each and everyone of our membership parties.

13D: ASPE is a volunteer Society. How do you plan on getting our members more involved at the Chapter and Society levels to help advance our initiatives, and support our mission statement?

Honestly volunteer-ism is something that is always a struggle. Between our careers and our families finding that extra time to grow personally or aid others in their professional development is one that seems to be a fight. I personally believe I will put in more effort if I truly believe in the cause. If we allow our passion to become our purpose it will be one day our profession.

13E: What types of new programs/initiatives should ASPE be developing immediately in order to reach a larger market of potential new members and industry partners?

With the ever evolving design and construction processes being developed, I believe ASPE could take hold of a position to gap between design and application. As technologies are being developed designers are required to learn more about construction practices (means and methods) to aid in the installation processes. ASPE can aid with this understanding and create a more cohesive understanding between design and installation for the plumbing industry.

13F: If elected, what specific short term ideas do you have to advance the Society, and what long term plans do you have for the future of ASPE?

As with any aspect in an organization the financial security is of the utmost importance for developing short and long term plans. If elected to this position, my goal would be align our budgetary confines with each of the initiatives set forth by committees and evaluate if & when we are able to provide financial support for such endeavors.

13G: Membership has increased over the past few years. With the introduction of the Women of ASPE (WOA) and ASPE Young Professionals (AYP), the Society is beginning to obtain a younger member base. What are your thoughts and ideas to increase membership to new record numbers? What are your ideas for recruiting and retaining both younger and previous members? What are your ideas for addressing the large age gap between younger and older members?

I believe as a society we fail in marketing or branding ourselves to be the subject matter experts in the field of plumbing design and engineering. The growth of any society is obtained by reaching and touching more individuals who find this field and information provided necessary for development in their future endeavors.

Ways to Retain Membership:

Encourage member involvement (without action people lose interest; its a proven fact)

Create Value Benefits (increase members exclusive resources, information and experiences)

Recognize all members of this society are "selling" our product.

13H. ASPE has continuously relied on the affiliate member organizations to support the Society. What are your ideas to change this and how can we get our members to help support the Society other than with dues.

There is no need to fully revamp how the society is funded, but only change the narrow window of opportunity we utilize to gain support. Regional or local gatherings with activities and purpose benefit the society should be our focus.

People anticipate and sell the company or affiliation when they feel its important or needed. We must show our members the need for the society and its ability to help people grow. Just as our personal investment portfolio, our members will invest when they see how our society aligns with their beliefs and passions within the plumbing industry.

13I. What should ASPE be doing for the membership that they are not currently doing?

I believe ASPE currently fails at making the membership aware of all of the truly incredible intellectual property that is housed within our society. Much of the membership is unaware of the information, tools and opportunities that lie within ASPE. We have incredible members who have helped carve out a niche within the design community; we must learn to harness all of the information and share it with the generations to follow.

14. ATTESTMENT OF CANDIDATES

1. As a Candidate to the Society ASPE Board of Directors, I hereby grant the American Society of Plumbing Engineers (ASPE) the non-exclusive, royalty-free rights, including nonexclusive, royalty rights in copyright, to any contributions I make to documents or material I prepared for ASPE and I understand that I acquire no rights in publication of such documents in which my contribution or other similar analogous form is used. I hereby attest that I have the authority and I am empowered to grant this copyright release.
2. If elected as a member of the ASPE Society Board of Directors, I understand that expenses I may incur in my official capacity as an officer of the Society Board shall be reimbursed in accordance to the official Society travel policies and that all such expenditures require budget authorization and must be approved in advance by the Society President and/or Executive Director/CEO.
3. I hereby attest that all information provided in the Candidate Application for the ASPE Society Board of Directors and the Statement of Inclinations, Interest and Affiliations are true and accurate representations of my interests, affiliations and background and do not believe I have any conflict of interest that would affect my serving as an officer of, and member of the Board of, the American Society of Plumbing Engineers.

Please sign below and return to:

American Society of Plumbing Engineers
c/o Nominating Committee
6400 Shafer Court, Suite 350
Rosemont, IL 60018
(847)296-0002 • aspe.org • info@aspe.org

W. Blair Minyard

Name (print)


Signature

May 08, 2020

Date



SUPPLEMENT TO THE SOCIETY BOARD OF DIRECTOR CANDIDATE INTEREST FORM

PETITION TO INSURE PLACEMENT ON BALLOT

(Complete this section only if you are nominating a candidate from the floor, or if you have missed the deadline to submit the application package and are petitioning the committee for inclusion as a candidate.)

In accordance with the ASPE Bylaws:

The Nominating Committee shall be responsible for developing a recommended slate of officers for presentation to the membership and for election as officers by the delegates.

The Nominating Committee shall review the material for each Candidate, shall attest to the accuracy of the information provided, and shall prepare a summary biography for distribution to the membership and the delegates not later than sixty (60) days prior to the date of the election.

In accordance with the bylaws, the Nominating Committee will present to the delegates at the biennial ASPE Business Meeting. Based on the information in this Application and the interview process of each Candidate, the Committee shall prepare a slate that lists at least one recommended individual for each position, and this list will be referred to as the "Recommended Slate of Officers". The Recommended Slate of Officers shall be the top-rated Candidate or Candidates for each Board position as ranked by the Nominating Committee.

As there is no continuity provision in the ASPE Bylaws, all ASPE board members must run for re-election every two years (with the President limited to two two-year terms) if another term is desired.

The nomination bylaw also states:

Nothing in this bylaw shall exclude additional candidates being nominated from the floor during the biennial Business Meeting or petitioning the committee for inclusion as a candidate. All nominations from the floor shall require a second and a positive vote to include the candidate of at least 25 delegates; written petitions for inclusion on the official candidate ballot shall require a minimum of fifty (50) full or associate member signatures.

In order to ensure that a candidate who submits their Board of Director Candidate Interest Form is added to the ballot that the Nominating Committee submits to the delegates, this Special Petition to Insure Placement on the Ballot should be filled in and submitted along with the candidates Statement of inclinations, Interests and Affiliations Form.

THIS PETITION REQUIRES THE PRINTED NAME AND SIGNATURE OF 50 FULL OR ASSOCIATE ASPE MEMBERS IN GOOD STANDING.

W. Blair Minyard, PE, CPD, CDT

blair.minyard@gmail.com • 370 Glen Cross Way Trussville, AL • 205-915-4990
www.linkedin.com/in/blairminyard

Education

University of Alabama at Birmingham

May 2008 Bachelor of Science

Major Studies: Advanced Science, Civil Engineering & Mechanical Engineering

Minor Studies: Biomedical Engineering & Mathematics

- ASCE Student Chapter President : 2006-2008
- SWE Student Chapter President : 2005
- AGC Student Chapter Officer: 2005

Jefferson State Community College

May 2005 Associates Degree Studies

Studies: Construction & Building Science Technology

Wallace State Community College

Fall 1999 Associates Degree Studies

Studies: Computer Aided Design/ 3D Modeling

Affiliations/Memberships

- American Society of Plumbing Engineers (ASPE) – Member since 2008
 - ASPE – VP, Education (National Board) 2018-2020
 - ASPE – ASPE Young Professional (AYP) Liaison (National Board) 2016-2018
 - ASPE Alabama - Chapter President 2015-2018
 - ASPE Alabama – Chapter VP Technical 2015-2017
 - ASPE Alabama – Chapter VP of Membership 2013-2015
 - ASPE Alabama – Chapter AYP Liaison 2015-2017
- National Fire Protection Association (NFPA) – Member since 2004
- ASHRAE – Member since 2015
 - YEA Chair & Student Activities Chair- 2015
- International Code Council (ICC) – Member since 2008
- Birmingham BIM User Group – Autodesk Group (Founder: 2016 to Current)
- Jefferson State Community College- Professional Advisory Committee for Construction & Building Science Technology Program (2011-Current)
- Wallace State Community College- Professional Advisory Committee for Engineering Technologies Program (2009-2018)
- University of Alabama at Birmingham- Alumni Leadership Council for Civil Engineering Undergraduate Program (2008-Current)
- Gardendale High School (Technical Program)- Professional Advisor for Science & Technology applications in high school education development (2013-2018)

Experience

B.L. Harbert International, LLC | 210 London Pkwy Birmingham, AL

Mechanical Engineer *November 2018 – Current*

Virtual Design & Construction Engineer *July 2016 – November 2018*

Mechanical Specialist *October 2015 – July 2016*

Conducts design and constructability reviews and reports utilizing multidiscipline coordination efforts for a self-performing international construction company. In addition to design review, supports jobsite mechanical systems construction through procurement and schedule logistics.

University of Alabama at Birmingham (UAB) | 1075 13th Street South Birmingham, AL
School of Engineering

Adjunct Professor *September 2016 – Current (As Needed)*

Instructor for professionals and students for introductory BIM applications and processes.

Jefferson State Community College | 2601 Carson Road Birmingham, AL

Construction & Building Science Technology

Adjunct Instructor *August 2011-December 2015 (As Needed)*

BIM Application Instructor (AET 290 Course/AET 190 Course)

Structural Drafting Instructor (CDT 221 Course)

Working Drawings Instructor (AET 103 Course)

Advanced BIM Application Instructor (AET291 Course)

Robins & Morton - P&I Division | 2204 Lakeshore Drive Suite 206 Birmingham, AL

Plumbing Designer *September 2014 – October 2015*

Completed industrial piping and mechanical designs for the Pulp & Paper Industry at various locations throughout the southeast. Coordinated and interfaced between the project team and plant personnel in layout designs, installation review, process validation, and productivity improvements through modeling coordination and various CADD design packages.

SSOE Group (Formerly: CRS Engineering, Inc.) | 3504 7th Ave South Birmingham, AL

Plumbing Designer *May 2008-September 2014*

Evaluated, selected, and applied standard engineering methods and techniques as well as code compliant plumbing systems through utilization of CADD packages such as AutoCAD, AutoCAD MEP, REVIT, and REVIT MEP in the design of small to large scale commercial and healthcare construction.

Central Station Inc. (CSI) | 500 Gene Reed Road Suite 202 Birmingham, AL

Fire Alarm Designer/ Clerical Assistant *Oct 2001 – May 2008*

Worked in the designing of code compliant fire/life safety alarm systems through graphical representation and installation.

Skills/ Licensures

- PE License – State of Alabama #36016
- Certified Plumbing Designer - #82591
- Autodesk Building Performance Analysis Certificate (12/2013)
- (TS) Security Clearance
- Proficient in numerous CADD Programs
- Effective written and verbal communication, coordinating, problem solving, and leadership ability
- Organizational and time-management skills in fast-paced industrial environment.

Engineering & Construction Experience

Qatar Early Warning Radar – Qatar

Budget: \$1.07 Billion

Role: *Virtual Design & Construction Engineer and Mechanical Coordinator* - Multidiscipline Design and Constructability Review for D/B Project. In addition to design review, mechanical HVAC, Plumbing and Fire Protection) procurement and logistics for overseas construction.

US Embassy – London, UK

Budget: \$1 Billion

Role: *Virtual Design & Construction Engineer* - Multidiscipline design and coordination for construction of required spaces.

US Embassy – Jakarta, Indonesia

Budget: \$292 Million

Role: *Virtual Design & Construction Engineer* - Multidiscipline design and coordination for construction of required spaces for 500,000+ sq. ft. facility.

US Embassy – Niamey, Niger

Budget: \$145 Million

Role: *Virtual Design & Construction Engineer* - Multidiscipline design and coordination for construction of required spaces for U.S. Marine Security Guard Residences, community facilities, office buildings and associated support facilities on the 10 acre compound.

US Embassy – Matamoros, Mexico

Budget: \$145 Million

Role: *Virtual Design & Construction Engineer* - Multidiscipline design and for D/B project on a 7.7 acre site.

Green Bay Packaging – Morrilton, Arkansas

Role: *Mechanical Engineer* – Expansion/Renovation of vacuum and pumping system on Line #2 for the Kraft Paper Manufacturing.

Georgia Pacific Packaging – Albany, Arkansas

Role: *Mechanical Engineer* – Expansion/Renovation of piping systems and updated the P&ID for documentation of facilities for Corrugated Packaging facility.



Kansas City Plant- National Nuclear Security Administration (NNSA) – Kansas City, Missouri

Budget: \$750 million +

Role: *Plumbing Designer & BIM Specialist* – Plumbing Systems Design and Model integration for a facility including manufacturing, laboratory, office and warehouse space.

Children's of Alabama: Benjamin Russell Hospital - Birmingham, Alabama

Budget: \$265 million

Role: *BIM Specialist* – Plumbing Systems Design and Model integration for the 12-story (760,000 + sq. ft.) LEED-Gold facility.

Colorado State University Stadium – Fort Collins, Colorado

Budget: \$220 million

Role: *Plumbing Designer & BIM Specialist* – Plumbing design for a 41,000 capacity stadium with suites, 22 restrooms, weight room and player lounge.

Lakeview 29 Seven – Birmingham, Alabama

Budget: \$15 million

Role: *Plumbing Designer* – Apartment and Retail development 4-story construction with 56 apartments and 20,000 sq. ft. restaurant space).

Alice and Carl Kirkland Cancer Center – Jackson, Tennessee

Role: *Plumbing Designer & BIM Specialist* – Facility complete with Pharmacy, laboratory, bistro, state-of-the-art Technology for Infusion bays and scanning capabilities.

University of Alabama at Birmingham Student Campus – Birmingham, Alabama

Budget: Various Projects

Role: *Plumbing Designer* – Library renovation, Multiple buildings lecture facilities and laboratory classrooms renovated, Green roof design/installation and other various projects over 6 years' time.

HealthSouth – Various Projects (10+ Projects)

Budget: Various Projects

Role: *Plumbing Designer* – Facility additions with plumbing and medical gas renovation and system design.

American Family Care – Various Projects (10+ Projects)

Budget: Various Projects

Role: *Plumbing Designer* – Facility additions with plumbing and medical gas renovation and system design.

Department of Veteran Affairs – Birmingham, Alabama

Role: *Fire Alarm & Security Designer* – Renovation to facilities life safety protocol through advanced fire alarm integration