Section

February 28, 2014

Mr. Ronald Archey
Procurement Specialist
Fort Lauderdale City Hall
100 N. Andrews Avenue, 6th Floor
Fort Lauderdale, FL 33301

RE: RFQ #943-11367, Continuing Contract for MEP Engineering Services

Dear Mr. Archey and Selection Committee:

SGM Engineering, Inc. is pleased to present this Statement of Qualifications (SOQ) to the City of Fort Lauderdale in response to the Request for Qualification for this **Continuing Contract: Mechanical, Electrical, Plumbing (MEP) Engineering Services – CCNA.**

The City of Fort Lauderdale's Points of Contact from SGM Engineering for this contract will be the following:

SGM Engineering, Inc.
700 W. Hillsboro Blvd.,
Bldg. 3, Suite 212,
Deerfield Beach, FL 33441
Tony Shahnami: President, (ph) 407-767-5188, (f) 407-767-5772, Tony@SGMEngineering.com
Dave McGowan: Project Manager, (ph) 954-421-1944, (f) 954-421-1924, Dave@SGMEngineering.com

SGM is a Mechanical, Electrical, and Plumbing design firm established in the State of Florida in 1991. ***SGM is a Small Disadvantaged, Minority Owned Business Enterprise.*** We provide full service design, engineering analysis and inspection professional services specializing in HVAC, lighting, power, **LEED design**, Commissioning, plumbing, fire protection/alarm, Construction Administration, and QA/QC. We employ highly qualified engineers who are certified with the Indoor Air Quality Council, American Forensic Engineering, **U.S. Green Building Council**, ACG Commissioning Group, and the U.S. Army Corps of Engineers Construction Quality Management.

SGM will work to enhance the City Engineering Department's program to improve the energy efficiency of City owned and operated buildings with a goal of reducing power/consumption, and improving the City's carbon footprint. SGM will help the City of Fort Lauderdale make decisions regarding the most economical and efficient systems to be utilized for each building, in order to reduce and improve energy usage.

SGM views the City as a large-spread campus. We understand that all of your facilities are scattered across the City, however, SGM will provide guidance and show the City how its buildings are working and connected by creating a web-based integrated network. Our team will make sure that all fire stations, recreation centers, public works buildings, etc. will be integrated into this city/campus-wide Building Automation System web based access point. With a web-based integrated network, the City's Engineering Department will be able to go online and observe the building's deficiencies and make the necessary corrections.

SGM has been involved with energy grants through U.S. Department of Energy, which assisted the staff through energy grant applications, back up documentations, semi-annual/annual reports, and construction

implementation. We received up to $5,000,000 worth of energy grants through U.S. Department of Energy through the Florida State Governor's Energy Office.

SGM's portfolio includes many **LEED certified and registered projects**, totaling **more than 2 million square feet of green space**. Additionally, our engineers are knowledgeable of EPA's Energy Start Portfolio Manager.

SGM is staffed with certified Commissioning Agents and has established a standard for efficiency. SGM's commissioning services include consultation with owners on project goals, design reviews, custom/pre-functional test writing, submittal reviews, observation of staff training, Cx specifications, Cx reports, and the creation of system manuals. SGM provides construction and enhanced commissioning services, as well as retro-commissioning

SGM promotes integrated design analyzing which multiple options for building features including the building envelope, HVAC equipment, and lighting systems in order to identify the most effective energy saving strategies. SGM has extensive experience using 3D energy modeling software packages to demonstrate the value of energy saving strategies. Additionally, we utilize daylight modeling to evaluate fenestration, types of glazing, and architectural features.

Our resources, combined knowledge, and experience will allow SGM to be flexible and cost effective. Our team has the ability to commit as soon as the notice to proceed is issued. Our team has completed thousands of projects at various sites across the State of Florida and abroad. Additionally, SGM's team is capable of performing multiple projects concurrently. We have evaluated our current workload over the course of this year along with the time frame of this contract, and we have determined that SGM has the resources available to immediately begin work on these assignments. Due to consistently completing projects on time and within budget, we have built and solidified a stream of satisfied repeat clients.

STATEMENT OF COMMITMENT FOR SGM ENGINEERING, INC.:

I hereby state that the entire assigned SGM team and Project Manager for this services contract will remain committed with the City of Fort Lauderdale contract to ensure each task will receive full dedication and necessary time.

It is our hope that the City of Fort Lauderdale will consider SGM to fulfill their **Continuing Contract: Mechanical Electrical Plumbing (MEP) Engineering Services.** We are confident that you will find our team to be knowledgeable and competent, proven by our track record during the 23 years in business. SGM Engineering supports the best interest of the City of Fort Lauderdale by ensuring that projects are completed on time and within budget.

SGM Engineering's goal is for a long and productive working relationship with the City of Fort Lauderdale and we are committed to providing the highest level of professional services. We greatly appreciate your time and consideration.

Sincerely,

Tony Shahnami, P.E., F.E., CxA, CES, CHS – III , SGM President

SGM ENGINEERING INC
MEP CONSULTING ENGINEERS

BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

Please Note: All fields below **must** be completed. If the field does not apply to you, please note N/A in that field.

Submitted by: _____ 2/26/2014
(signature) (date)

Name (printed) Tony Shahnami Title: President, P.E., CxA, CES, CHS-II

Company: (Legal Registration) SGM Engineering, Inc.

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit http://www.dos.state.fl.us/).

Address: 700 Hillsboro Blvd., Building 3, Suite 212

City Deerfield Beach State: FL Zip 33441

Telephone No. (954) 421-1944 FAX No. (954) 421-1924 Email: Tony@SGMEngineering.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): TBD based on POs

Payment Terms (section 1.04): Net 30 Total Bid Discount (section 1.05): None

Does your firm qualify for MBE or WBE status (section 1.09): MBE X WBE _____

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.	Date Issued
None	N/A

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS. If this section does not apply to your bid, simply mark N/A in the section below.

Variances: N/A

revised 11-29-11

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Continuing Contract for Mechanical, Electrical, Plumbing (MEP) Engineering Services

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
February 28, 2014	**943-11367**

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Tony Shahnami, *President, P.E., F.E., CxA, CES, CHS-III*/Dave McGowan, *P.E., LEED AP, BEMP, CPMP*

5. NAME OF FIRM

SGM Engineering, Inc. - 100% Small Business NAICS Codes: 236220, 238210, 238220, 541310, 541330, 541340, 541350, 561210, 561499 DUNS #94-459-9141

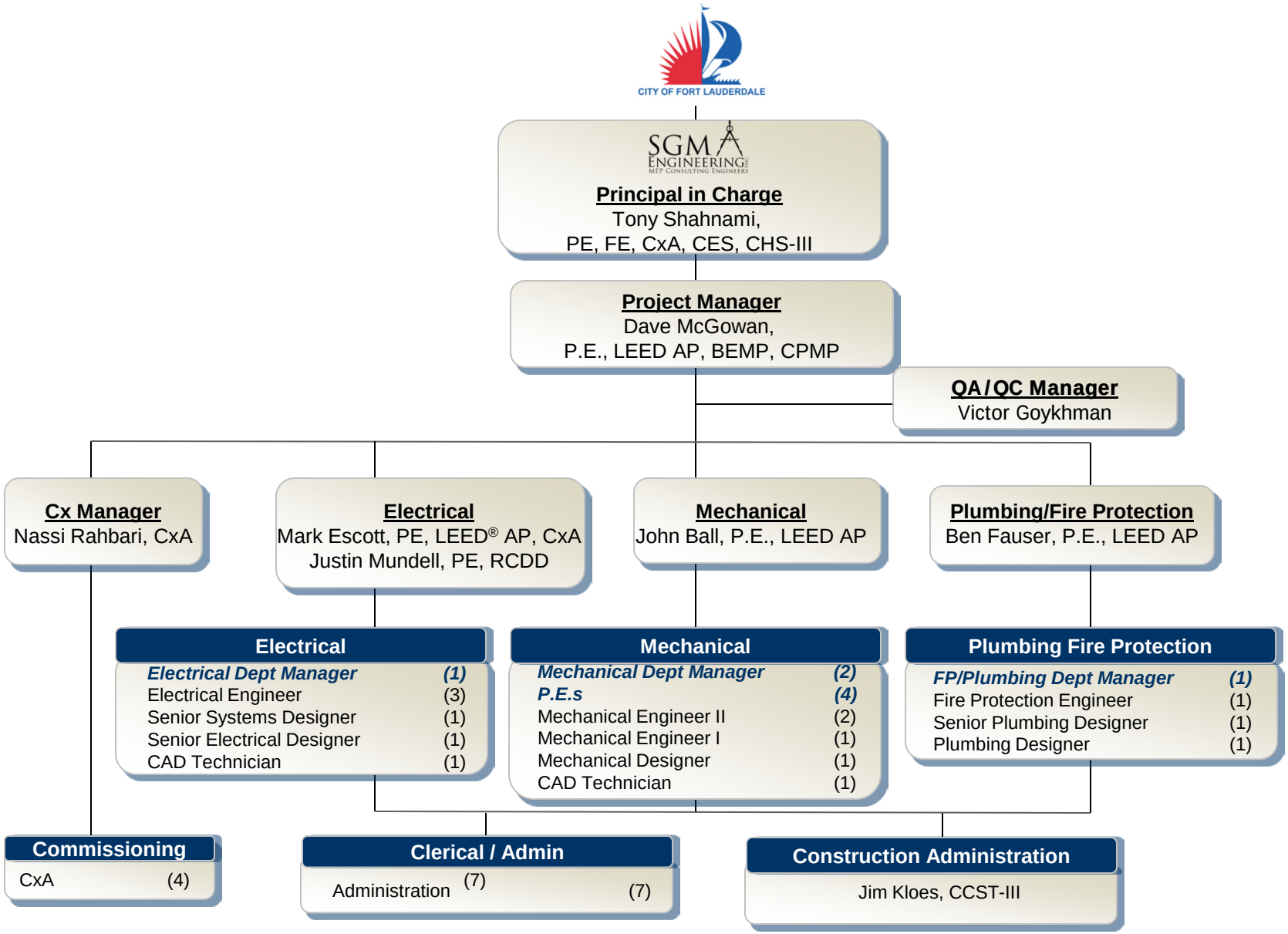
6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
954-421-1944	**954-421-1924**	**Tony@SGMEngineering.com/ Dave@SGMEngineering.com**

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			**SGM Engineering, Inc.** *SDB, SBE, MBE* ☒ CHECK IF BRANCH OFFICE	700 West Hillsboro Blvd Bldg 3, Suite 212 Deerfield Beach, FL 33441	Mechanical, Electrical, Plumbing, Fire Protection Engineering, Commissioning Authority, **LEED / Sustainable Design**

D. ORGANIZATIONAL CHART OF PROPOSED TEAM ☒ *(Attached)*


CITY OF FORT LAUDERDALE
SGM ENGINEERING
MEP CONSULTING ENGINEERS
Principal in Charge
Tony Shahnami,
PE, FE, CxA, CES, CHS-III
Project Manager
Dave McGowan,
P.E., LEED AP, BEMP, CPMP
QA/QC Manager
Victor Goykhman
Cx Manager
Nassi Rahbari, CxA
Electrical
Mark Escott, PE, LEED® AP, CxA
Justin Mundell, PE, RCDD
Mechanical
John Ball, P.E., LEED AP
Plumbing/Fire Protection
Ben Fauser, P.E., LEED AP
Electrical
Electrical Dept Manager (1)
Electrical Engineer (3)
Senior Systems Designer (1)
Senior Electrical Designer (1)
CAD Technician (1)
Mechanical
Mechanical Dept Manager (2)
P.E.s (4)
Mechanical Engineer II (2)
Mechanical Engineer I (1)
Mechanical Designer (1)
CAD Technician (1)
Plumbing Fire Protection
FP/Plumbing Dept Manager (1)
Fire Protection Engineer (1)
Senior Plumbing Designer (1)
Plumbing Designer (1)
Commissioning
CxA (4)
Clerical / Admin
Administration (7) (7)
Construction Administration
Jim Kloes, CCST-III

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Tony Shahnami, P.E., F.E., CES, CHS-III, CxA	**Principal in Charge**	**33**	**23**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Mechanical Engineering, University of Miami	Florida - #41204 Also Registered in 37 other states. Certified Commissioning Agent, Certified Homeland Security Level III and Forensic Engineer

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations: Member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Florida Engineering Society, and National Fire Protection Association. **Awards:** Energy Award by Florida State Governor's Energy Office, Florida Tax Watch Organization, experience with Orange County Government and UCF.

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*
Town of Palm Beach, Street/Site Lighting, Palm Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2010
CONSTRUCTION *(If applicable)*: 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Tony Shahnami acted as Principal in Charge for the Street/Site Lighting in the Town of Palm Beach. SGM also replaced the existing light poles with new fixtures/poles and connected them to an existing circuit. Additionally, SGM removed existing conductors that did not have enough slack to provide connection to the new pull-box; new conductors were installed in its place. **Project Cost: $1.6M**

b

(1) TITLE AND LOCATION *(City and State)*
City of Hollywood Beach, Public Safety Complex, Hollywood Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2011
CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Tony Shahnami acted as Principal in Charge for the MEP/FP engineering services as part of a design-build team. SGM also performed the Fundamental Commissioning for this 25,500-SF **LEED Silver** certified Public Safety Facility, located in the City of Hollywood Beach. This state-of-the-art building included solar panels, sky lights, ocean views, a drainage well for storm water disposal, as well as, many other eco-friendly features such as low-flow plumbing fixtures and photovoltaic panels. **Construction Cost: $10M**

c

(1) TITLE AND LOCATION *(City and State)*
U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2011
CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Shahnami, acting as Principal in Charge, provided Fundamental Commissioning Authority (CxA) for the construction of a barracks complex at Fort Hood in Killeen, TX. This project required extensive engineering analysis, evaluation, and testing. Tony's primary scope of work included barracks/special foundations, upgrade of the Central Energy Plant, and installation of IDS and information systems. **Construction Cost: $32.4M**

d

(1) TITLE AND LOCATION *(City and State)*
Florida International University, Satellite Chiller Plant, Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Tony acted as Principal in Charge for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps.
Construction Cost: $6M

e

(1) TITLE AND LOCATION *(City and State)*
Florida International University, Parkview Housing, Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

With Tony Shahnami serving as Principal in Charge, SGM was the Engineer of Record for the Parkview Housing project. This facility comprised of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cost:** $36.5M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David McGowan, P.E., LEED AP, BEMP, CPMP	**Project Manager**	**11**	**3**

15. FIRM NAME AND LOCATION *(City and State)*

SGM Engineering, Inc., Deerfield Beach, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Mechanical Engineering, University of Utah	Florida - #69768, LEED Accredited Professional, Building Energy Modeling Professional, ASHRAE CPMP

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Affiliations: Member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Florida Engineering Society, and USGBC

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*: **City of Hialeah, Public Works Facility, City of Hialeah, Hialeah, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Dave McGowan, Project Manager, provided engineering design services for this Public Work Facility. The project consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. This main office building had major MEP improvements and an extra 1,600-SF of space added. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems. **Construction Cost: $1.5M**

b

(1) TITLE AND LOCATION *(City and State)*: **City of Riviera Beach HVAC Replacement at City Hall, Riviera Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Dave acted as Project Manager for the replacement of the HVAC system at City Hall. The goal of this project was to reduce the number of HVAC systems from eight to two units with strategic redundancy for common areas within the building. All duct work needed to be redesigned to address each individual office space. This included considerations of the thermostat placement, air flow returns, diffusers, energy management system and other compensating devising to provide maximum system adjustments and flexibility. **Construction Cost: $325,000**

c

(1) TITLE AND LOCATION *(City and State)*: **Indian River County Sheriff's Office, Indian River County Government, Vero Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012; CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. McGowan, acting as Project Manager, provided modifications to the CCTV video surveillance system and access control system design for the new crime scene lab and evidence holding facility for Indian County Sheriff's office. This project was performed under a Continuing Contract. Dave's scope of services included, but was not limited to, the design for the installation of three additional CCTV video surveillance systems 360 degree cameras. These additional cameras were tied into the new head-end in the crime scene building.
Construction Cost: $32.4M

d

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Satellite Chiller Plant, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012; CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Dave acted as Project Manager for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps.
Construction Cost: $6M

e

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Parkview Housing, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012; CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

With Dave serving as Project Manager, SGM the Engineer of Record for The Parkview Housing project comprising of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cos**t: $36.5M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
John Ball, P.E., LEED AP	**Lead Mechanical Engineer**	**16**	**1**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Mechanical Engineering, Mississippi State University, 1997	Registered Professional Engineer – FL #66893; LEED Accredited Professional

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations: Member of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers; Florida Engineering Society; National Protection Association, Department Manager of Mechanical Engineering

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*: **Valencia College, Park Place Office Building Renovation: MEP Services, Orlando, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

John Ball acted as Lead Mechanical Engineer for this renovation of the existing 57,000-SF, five story, L-shaped building to serve as Valencia College's administrative headquarters. This building included offices, conference rooms, and all additional programming elements necessary for College staff. John Ball conducted a full survey and identified the existing condition of building MEP system, and then provided a report including a probable cost estimate for each components of the system. **Project Cost: $5.8M**

b

(1) TITLE AND LOCATION *(City and State)*: **Citrus Elementary School HVAC Upgrade, School District of Indian River County, Vero Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

John Ball, as Lead Mechanical Engineer, is responsible for the HVAC Upgrade at Citrus Elementary School. SGM was responsible for the MEP design for the relocation of the existing HVAC/ Mechanical, including the pump room and its equipment. This project included the demolition of existing mechanical room, new mechanical room, and re-route underground chilled water piping. Additionally, SGM upgraded the existing controls/ BAS in order to accommodate the new mechanical room and its respected chillers. This project was completed under a Continuing Contract and performed on an occupied campus**. Project Cost: $54,264**

c

(1) TITLE AND LOCATION *(City and State)*: **Indian River County Sheriff's Office, Indian River County Government, Vero Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Ball, acting as Lead Mechanical Engineer, provided modifications to the CCTV video surveillance system and access control system design for the new crime scene lab and evidence holding facility for Indian County Sheriff's office. This project was performed under a Continuing Contract. Dave's scope of services included, but was not limited to, the design for the installation of three additional CCTV video surveillance systems 360 degree cameras. These additional cameras were tied into the new head-end in the crime scene building.
Construction Cost: $32.4M

d

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Parkview Housing, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

With John Ball serving as Mechanical Engineer, SGM was the Engineer of Record for the Parkview Housing project. This facility comprised of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cost:** $36.5M

e

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Satellite Chiller Plant, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

John acted as Mechanical Engineer for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps.
Construction Cost: $6M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Benjamin Fauser, P.E., LEED AP	**Lead Plumbing/Fire Protection Engineer**	**11**	**2**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Mechanical Engineering, Mississippi State Missouri	Registered Professional Engineer – FL #67008; LEED Accredited Professional

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations: Member of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers; Florida Engineering Society; USGBC

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Valencia College, Park Place Office Building Renovation: MEP Services, Orlando, FL	2013	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Ben Fauser acted as Lead Plumbing/Fire Protection Engineer for this renovation of the existing 57,000-SF, five story, L-shaped building to serve as Valencia College's administrative headquarters. This building included offices, conference rooms, and all additional programming elements necessary for College staff. John Ball conducted a full survey and identified the existing condition of building MEP system, and then provided a report including a probable cost estimate for each components of the system. **Project Cost: $5.8M**

b

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Florida International University, Satellite Chiller Plant, Miami, FL	2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Ben acted as Lead Plumbing and Fire Protection Engineer for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps. **Construction Cost: $6M**

c

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Indian River County Sheriff's Office, Indian River County Government, Vero Beach, FL	2012	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Fauser, acting as Lead Plumbing and Fire Protection Engineer, provided modifications to the CCTV video surveillance system and access control system design for the new crime scene lab and evidence holding facility for Indian County Sheriff's office. This project was performed under a Continuing Contract. Dave's scope of services included, but was not limited to, the design for the installation of three additional CCTV video surveillance systems 360 degree cameras. These additional cameras were tied into the new head-end in the crime scene building. **Construction Cost: $32.4M**

d

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Florida International University, Parkview Housing, Miami, FL	2012	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

With Ben Fauser serving as Lead Plumbing and Fire Protection Engineer, SGM was the Engineer of Record for the Parkview Housing project. This facility comprised of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cost:** $36.5M

e

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Hialeah, Public Works Facility, City of Hialeah, Hialeah, FL	2011	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Ben Fauser, Lead Plumbing/Fire Protection Engineer, provided engineering design services for this Public Work Facility. The project consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. This main office building had major MEP improvements and an extra 1,600-SF of space added. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems. **Construction Cost: $1.5M**

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark Escott, P.E., CxA, LEEP AP	**Lead Electrical Engineer**	**21**	**9**

15. FIRM NAME AND LOCATION *(City and State)*

SGM Engineering, Inc. Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Electrical Engineering, University of South Florida	**Registered Professional Engineer - #50737; ACG Certified Commissioning Agent; LEED Accredited Professional**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Florida Chapter of Electrical Inspectors Grounding; American Builders; Project Management. Training includes: OSHA Construction Industry Standards, Florida Building Code Administrative Core Training; Automatic Fire Alarm Association NFPA 72 Training.

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Satellite Chiller Plant, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mark acted as Lead Electrical Engineer for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps. **Construction Cost: $6M**

b

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Generator Study, Florida International University, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: n/a

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mark Escott acted as Lead Electrical Engineer for the survey and identification of the existing generators and fuel tanks at 29 buildings on the Florida International University Modesto A. Maidique campus. The report included a spreadsheet with the generator size, catalog number, and serial number of the generators from field survey. Data cut sheets for each generator from the manufacturer was provided for each generator.

MEP/FP Cost: $13,600

c

(1) TITLE AND LOCATION *(City and State)*: **City of Hialeah, Public Works Facility, City of Hialeah, Hialeah, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mark Escott, Lead Electrical Engineer, provided engineering design services for this Public Work Facility. The project consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. This main office building had major MEP improvements and an extra 1,600-SF of space added. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems. **Construction Cost: $1.5M**

d

(1) TITLE AND LOCATION *(City and State)*: **City of Hollywood Beach, Public Safety Complex, Hollywood Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mark Escott acted as Lead Electrical Engineer for the MEP/FP engineering services as part of a design-build team. SGM also performed the Fundamental Commissioning for this 25,500-SF **LEED Silver** certified Public Safety Facility, located in the City of Hollywood Beach. This state-of-the-art building included solar panels, sky lights, ocean views, a drainage well for storm water disposal, as well as, many other eco-friendly features such as low-flow plumbing fixtures and photovoltaic panels. **Construction Cost: $10M**

e

(1) TITLE AND LOCATION *(City and State)*: **Town of Palm Beach, Street/Site Lighting, Palm Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010 — CONSTRUCTION *(If applicable)*: 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mark Escott acted as Lead Electrical Engineer for the Street/Site Lighting in the Town of Palm Beach. SGM also replaced the existing light poles with new fixtures/poles and connected them to an existing circuit. Additionally, SGM removed existing conductors that did not have enough slack to provide connection to the new pull-box; new conductors were installed in its place. **Project Cost: $1.6M**

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Justin Mundell, P.E., RCDD	**Electrical /Security Systems Engineer**	**11**	**7**

15. FIRM NAME AND LOCATION *(City and State)*

SGM Engineering, Inc. Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Electrical Engineering, University of Central Florida	**Registered Professional Engineer - #70700 FL; Registered Communications Distribution Designer**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Florida Engineering Society

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*

Indian River County Sheriff's Office, Indian River County Government, Vero Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2012	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Mundell, acting as Electrical/Security Systems Engineer, provided modifications to the CCTV video surveillance system and access control system design for the new crime scene lab and evidence holding facility for Indian County Sheriff's office. This project was performed under a Continuing Contract. Justin's scope of services included, but was not limited to, the design for the installation of three additional CCTV video surveillance systems 360 degree cameras. These additional cameras were tied into the new head-end in the crime scene building.

Construction Cost: $32.4M

b

(1) TITLE AND LOCATION *(City and State)*

City of Riviera Beach HVAC Replacement at City Hall, Riviera Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2011	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Justin acted as Electrical/Security Systems Engineer for the replacement of the HVAC system at City Hall. The goal of this project was to reduce the number of HVAC systems from eight to two units with strategic redundancy for common areas within the building. All duct work needed to be redesigned to address each individual office space. This included considerations of the thermostat placement, air flow returns, diffusers, energy management system and other compensating devising to provide maximum system adjustments and flexibility.

Construction Cost: $325,000

c

(1) TITLE AND LOCATION *(City and State)*

U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2011	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Mundell, acting as Electrical/Security Systems Engineer, provided Fundamental Commissioning Authority (CxA) for the construction of a barracks complex at Fort Hood in Killeen, TX. This project required extensive engineering analysis, evaluation, and testing. Justin's primary scope of work included barracks/special foundations, upgrade of the Central Energy Plant, and installation of IDS and information systems. **Construction Cost: $32.4M**

d

(1) TITLE AND LOCATION *(City and State)*

City of Hialeah, Public Works Facility, City of Hialeah, Hialeah, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2011	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Justin Mundell, Lead Electrical/Security Systems Engineer, provided engineering design services for this Public Work Facility. The project consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. This main office building had major MEP improvements and an extra 1,600-SF of space added. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems. **Construction Cost: $1.5M**

e

(1) TITLE AND LOCATION *(City and State)*

Town of Palm Beach, Street/Site Lighting, Palm Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2010	2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Justin Mundell acted as Electrical/Security Systems Engineer for the Street/Site Lighting in the Town of Palm Beach. SGM also replaced the existing light poles with new fixtures/poles and connected them to an existing circuit. Additionally, SGM removed existing conductors that did not have enough slack to provide connection to the new pull-box; new conductors were installed in its place. **Project Cost: $1.6M**

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Nassi Rahbari, CxA	**Lead Commissioning Authority/ Commissioning Depart. Manager**	**29**	**3**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Engineering and Computer Sciences, University of Central Florida	Certified Commissioning Authority

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations: Commissioning Department Manager

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*: **St. Cloud High School, Classroom Conversion, School District of Osceola County, Kissimmee, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Nassi Rahbari acted as Lead Commissioning Agent for this field survey and investigation to verify the existing conditions/operations of the current systems. Additionally, the design for new IT systems and a computer room were provided; lighting levels were verified, as well. A design review meeting, pre-bid meeting, and two site visits were also attended during this project. All work was completed under a Continuing Contract while being performed on an occupied campus. **Design Fee: $5,620**

b

(1) TITLE AND LOCATION *(City and State)*: **Valencia College, Winter Park Campus, Switchgear Replacement, Orlando, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Nassi Rahbari acted as the Lead Commissioning Agent for the electrical design for the replacement of MDP 1 and MDP 2 switchgears and its associated service feeders at the Winter Park Campus. Grounding and surge protection for the new switchgear was included, as well. All work was designed in and met current code. This project was completed under an Electrical Continuing Service Contract and performed on an occupied campus.
Design Cost: $8,380

c

(1) TITLE AND LOCATION *(City and State)*: **Bear Lake Elementary School, HVAC Upgrade, Seminole County Public Schools, Sanford, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

SGM Engineering provided design services for the replacement of the direct-digital control system for Bear Lake Elementary School with Nassi Rahbari acting as the Lead Commissioning Authority. This project consisted of an HVAC upgrade for Buildings 5, 11, and 12. SGM conducted a Life Cycle Cost Analysis in order to determine the rate of return/payback for replacing the existing DX-split systems with new air-cooled chillers and AHUs. All work performed was part of a Continuing Service Contract and was completed on an occupied campus.
Design Fee: $49,000

d

(1) TITLE AND LOCATION *(City and State)*: **U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Mr. Rahbari, acting as Commissioning Manager, provided Fundamental Commissioning Authority (CxA) for the construction of a barracks complex at Fort Hood in Killeen, TX. This project required extensive engineering analysis, evaluation, and testing. Nassi's primary scope of work included barracks/special foundations, upgrade of the Central Energy Plant, and installation of IDS and information systems. **Construction Cost: $32.4M**

e

(1) TITLE AND LOCATION *(City and State)*: **City of Hollywood Beach, Public Safety Complex, Hollywood Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Nassi Rahbari acted as Commissioning Manager for the MEP/FP engineering services as part of a design-build team. SGM also performed the Fundamental Commissioning for this 25,500-SF **LEED Silver** certified Public Safety Facility, located in the City of Hollywood Beach. This state-of-the-art building included solar panels, sky lights, ocean views, a drainage well for storm water disposal, as well as, many other eco-friendly features such as low-flow plumbing fixtures and photovoltaic panels. **Construction Cost: $10M**

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Victor Goykhman	**QA/QC Manager**	**39**	**18**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science, Electrical Engineering, Polytechnic University	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations:

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Satellite Chiller Plant, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Victor acted as QA/QC for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps.
Construction Cost: $6M

b

(1) TITLE AND LOCATION *(City and State)*: **Florida International University, Parkview Housing, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

With Victor Goykhman serving as QA/QC Manager, SGM was the Engineer of Record for the Parkview Housing project. This facility comprised of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cost:** $36.5M

c

(1) TITLE AND LOCATION *(City and State*: **Florida International University, Generator Study, Florida International University, Miami, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(If applicable)*: n/a

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Victor Goykhman acted as QA/QC Manager for the survey and identification of the existing generators and fuel tanks at 29 buildings on the Florida International University Modesto A. Maidique campus. The report included a spreadsheet with the generator size, catalog number, and serial number of the generators from field survey. Data cut sheets for each generator from the manufacturer was provided for each generator. **MEP/FP Cost: $13,600**

d

(1) TITLE AND LOCATION *(City and State)*: **City of Riviera Beach HVAC Replacement at City Hall, Riviera Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(If applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Victor Goykhman acted as Electrical/Security Systems for the replacement of the HVAC system at City Hall. The goal of this project was to reduce the number of HVAC systems from eight to two units with strategic redundancy for common areas within the building. All duct work needed to be redesigned to address each individual office space. This included considerations of the thermostat placement, air flow returns, diffusers, energy management system and other compensating devising to provide maximum system adjustments and flexibility.
Construction Cost: $325,000

e

(1) TITLE AND LOCATION *(City and State)*: **Town of Palm Beach, Street/Site Lighting, Palm Beach, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010 — CONSTRUCTION *(If applicable)*: 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Victor Goykhman acted as QA/QC Manager for the Street/Site Lighting in the Town of Palm Beach. SGM also replaced the existing light poles with new fixtures/poles and connected them to an existing circuit. Additionally, SGM removed existing conductors that did not have enough slack to provide connection to the new pull-box; new conductors were installed in its place. **Project Cost: $1.6M**

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jim Kloes, CCST- III	**Construction Administration Manager**	**47**	**10**

15. FIRM NAME AND LOCATION *(City and State)*
SGM Engineering, Inc., Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Certified Plumbing/Pipe Fitter Instructor, Purdue University, 1981	**ISA, Level III, Control Technician**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Affiliations: Member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers; Florida Engineering Society; National Fire Protection Association; USGBC

19. RELEVANT PROJECTS

a
(1) TITLE AND LOCATION *(City and State)*
Florida International University, Parkview Housing, Miami, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2012 | CONSTRUCTION *(If applicable)* 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

With Jim Kloes serving as Construction Administration Manager, SGM was the Engineer of Record for the Parkview Housing project. This facility comprised of 240,000-SF and 620 beds, the units include 148, four-bedroom, two-bath apartments with a living room and kitchen, and 26 studio units. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building. **Construction Cost:** $36.5M

b
(1) TITLE AND LOCATION *(City and State)*
Florida International University, Satellite Chiller Plant, Miami, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2012 | CONSTRUCTION *(If applicable)* 2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Jim acted as Construction Administration Manager for the design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps. **Construction Cost: $6M**

c
(1) TITLE AND LOCATION *(City and State)*
Florida International University, Generator Study, Florida International University, Miami, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2012 | CONSTRUCTION *(If applicable)* n/a

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Jim Kloes acted as Construction Administration Manager for the survey and identification of the existing generators and fuel tanks at 29 buildings on the Florida International University Modesto A. Maidique campus. The report included a spreadsheet with the generator size, catalog number, and serial number of the generators from field survey. Data cut sheets for each generator from the manufacturer was provided for each generator.
MEP/FP Cost: $13,600

d
(1) TITLE AND LOCATION *(City and State)*
U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2011 | CONSTRUCTION *(If applicable)* 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Kloes, acting as Construction Administration Manager, provided Fundamental Commissioning Authority (CxA) for the construction of a barracks complex at Fort Hood in Killeen, TX. This project required extensive engineering analysis, evaluation, and testing. Jim's primary scope of work included barracks/special foundations, upgrade of the Central Energy Plant, and installation of IDS and information systems. **Construction Cost: $32.4M**

e
(1) TITLE AND LOCATION *(City and State)*
City of Hialeah, Public Works Facility, City of Hialeah, Hialeah, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2011 | CONSTRUCTION *(If applicable)* 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Jim Kloes, Construction Administration Manager, provided engineering design services for this Public Work Facility. The project consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. This main office building had major MEP improvements and an extra 1,600-SF of space added. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems. **Construction Cost: $1.5M**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 1

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Broward College, Art Display Building HVAC Upgrade, Davie, FL	**Feb. 2014**	**Est. 2014**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Broward College	**Yohannes Asgedom**	**(954) 201-6819** **yasgedom@broward.edu**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM Engineering provided engineering design services for the HVAC Upgrade of the Art Display Building at Broward College. The Broward College South Campus is served by a central chilled water plant that shuts down after hours. The existing Art Display Building utilized the chilled water from the central plant to condition the space. The art work that is displayed requires constant humidity control to preserve the pieces on display. SGM was tasked with providing humidity control for after hours and weekends, and provided a design consisting of a 3 ton split system controlled by both temperature and humidity set points to meeting the art departments standards for preserving the artwork in the space.

Construction Cost: $12,000

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- John Ball *(P.E., LEED AP)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Ben Fauser (P.E., LEED AP) – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 2

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Town of Palm Beach, Street/Site Lighting, Palm Beach, FL	**2010**	**2011**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Palm Bay	**Michael A. Roach, P.E.**	**561-838-5440** **MRoach@TownofPalmBeach.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM Engineering provided engineering design services for the Street/Site Lighting in the Town of Palm Beach. SGM also replaced the existing light poles with new fixtures/poles and connected them to an existing circuit. Additionally, SGM removed existing conductors that did not have enough slack to provide connection to the new pull-box; new conductors were installed in its place. As a part of SGM's design light poles were moved to the back of the sidewalk to reduce potential damage from vehicles and allow enhanced accessibility in order to comply with the American Disabilities Act. Additionally, it was SGM Engineering's responsibility to improve and match the existing area where the lighting poles were to be installed, including similar style and height of the light fixtures and surrounding land modification.

Construction Cost: $1.6M

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Mark Escott *(P.E., CxA, LEED AP)* – Project Manager
- Nelson Pagan – Lead Mechanical Engineer
- Justin Mundell *(P.E., RCDD)* – Lead Electrical Engineer
- Jerry Schneider – Lead Plumbing/Fire Protection Engineer
- Bobby Shahnami (EIT, LEED AP, CxA*)* – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 3

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Hialeah, Public Works Facility, Hialeah, FL	**2011**	**2012**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Hialeah	**Yvette London, Harvard Jolly**	**(954) 486-7910, Y.London@harvardjolly.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This Public Work Facility project for the City of Hialeah consisted of a site visit to obtain field conditions of the existing main office building, where customers enter to pay their utility bills. The main maintenance building was scheduled to be demolished. This main office building was to have major MEP improvements and have an extra 1,600-SF of space added on to the northeast corner to accommodate a large entry area and bill paying windows. SGM provided a detailed report outlining the existing conditions while identifying the current deficiencies and code violations and how to cost effectively correct the problems.

Upon conducting a conference call with the architect and the Director of the City of Hialeah Public Works, the client accepted our recommendations and requested a fee proposal to accommodate the additional services. SGM successfully completed and coordinated the design effort during multiple design and coordination meetings to meet the deadline of the project. Site visits were conducted during the design phase to verify existing above ceiling conditions to verify the design layout was constructible.

Construction Cost: $1.5M

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- Bobby Shahnami *(EIT, LEED AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Jerry Schneider – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Hollywood Beach, Public Safety Complex Hollywood Beach, FL	**2011**	**2012**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Hollywood Beach, FL	**Maureen Kussler, LEED AP BD+C, CH2M Hill, Inc.**	**(561) 904-7522 Maureen.Kussler@ch2m.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM provided Mechanical, Electrical, Plumbing, and Fire Protection engineering services as part of a design-build team. SGM also performed the Fundamental Commissioning for this 25,500-SF **LEED Silver** certified Public Safety Facility, located in the City of Hollywood Beach. This state-of-the-art building included solar panels, sky lights, ocean views, a drainage well for storm water disposal, as well as, many other eco-friendly features such as low-flow plumbing fixtures and photovoltaic panels. The interior included 15 bunk rooms, four offices for fire rescue personnel, a kitchen, training room, exercise room, locker rooms, and a fire pole to access the apparatus bay. Fire station 40 was designed to provide fire rescue to residents, businesses, and Hollywood Beach visitors. It also served West Hollywood's Downtown area and supported the beach safety division.

Construction Cost: $10,000,000

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- Bobby Shahnami *(EIT, LEED AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Jerry Schneider – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
  Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 5

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
City of Riviera Beach HVAC Replacement at City Hall, Riviera Beach, FL	**2011**	**2012**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Riviera Beach	**Brynt Johnson, CGC, LEED AP**	**(561) 845-4066** **BJohnson@rivierabch.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM was hired to replace the HVAC system at the City Hall in Riviera Beach. The system to be replaced is composed of multiple HVAC packages with various tonnages which were incrementally put into service over time to address increasing service needs as the existing facility transitioned from less than 60% occupancy to full occupancy.

The goal of this project was to reduce the number of HVAC systems from eight to two units with strategic redundancy for common areas within the building (Main Lobby & City Council Chambers) and design of a new air-duct system to eliminate existing over/under cooling issues inherent in the existing system. The new high efficiency HVAC units provided ample cooling capacity to satisfy the cooling needs for the 22,000-F City Hall which had large windows and approximately 75 full time employees along with 75 members of public at any given time.

All duct work needed to be redesigned to address each individual office space and to provide maximum comfort. This included considerations for the thermostat placement, air flow returns, diffusers, energy management system, and other compensating devising to provide maximum system adjustments and flexibility. Design services included, but were not limited to, the following: submitting a detailed preliminary report assessing the current average energy usage of the existing facility, the project needs – determining the proper equipment and/or upgrades needed, the estimated project time/costs for completion along with any and all drawings and specifications needed to accomplish the project goals. SGM also provided a projected cost savings scenario for the project based upon execution of our designs.

Construction Cost: $325,000

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- Bobby Shahnami *(EIT, LEED AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Jerry Schneider – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
  Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER
	6

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX	**2011**	**2012**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
US Army Corps of Engineers	**Joseph A. Williams**	**(727) 743-5611, Joseph.Willaims@atkinsglobal.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM was hired as the **Fundamental Commissioning Authority** (CxA) for the construction of a barracks complex at Fort Hood in Killeen, TX. This project required extensive engineering analysis, evaluation, and testing. Additionally, the immediate design and construction was necessary for this project. SGM used analysis and evaluation to construct the buildings to complete a barracks complex and also upgrade the central energy plant facilities while using a sound engineering basis for the construction, reconstruction, and remodeling of central energy plants.

The primary facilities to be commissioned include one barracks complex (approximately 176,000 total square feet). The primary scope of work included barracks/special foundations, upgrade of the Central Energy Plant, and installation of IDS/information systems. The supporting facilities include: utilities, electric service, water, sewer, gas, paving, walks, curbs/gutters, storm drainage, site improvements, and information systems. Anti terrorism/force protection was provided by resistance to progressive collapse, special windows/doors, and site measures.

Construction Cost: $32.4M

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- Bobby Shahnami *(EIT, LEED AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Jerry Schneider – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 7

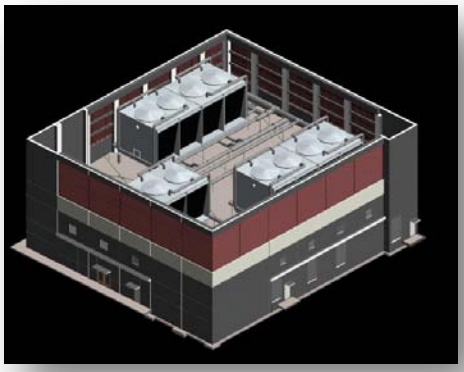
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Florida International University, Satellite Chiller Plant, Miami, FL	**2012**	**2013**

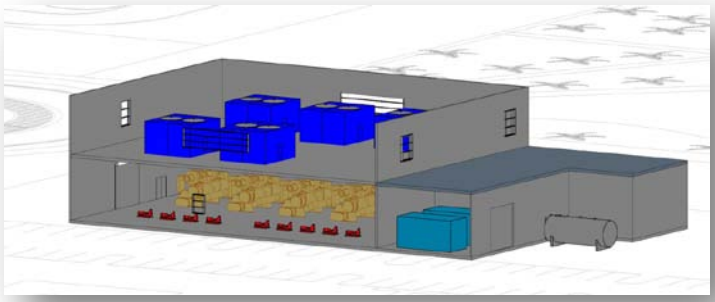
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida International University	**Danny Paan**	**(305) 348-4005** **paand@fiu.edu**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM was awarded the contract to design a new satellite utility plant on the Florida International University main campus. The purpose of the project is to provide cooling requirement for existing campus facilities and future growth of the campus. The design consisted of 5-1500 ton water cooled chillers, 5-cooling towers, 3-variable frequency drive secondary chilled water pumps, 3 primary chilled water pumps, 3 variable speed condenser water pumps, refrigeration monitoring system, and a complete web based BACNET energy management system by Trane Tracer Summit. The chiller plant is designed to accommodate future chilled water and condenser water piping system which are capable to accommodate another 3-1500 ton chillers, cooling towers, and pumps





Construction Cost: $6M

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, BEMP, CPMP)* – Project Manager
- John Ball *(P.E., LEED AP)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Ben Fauser; *(P.E., LEED AP)* – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari *(CxA)* – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 8

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Florida International University, Parkview Housing, Miami, FL	**2012**	**2013**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida International University	**Martha Torres**	**(305) 348-0232** **torresma@fiu.edu**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM Engineering, Inc. was the Engineer of Record for the Parkview Housing at Florida International University. This project was comprised of 240,000-SF, 620 beds and included 148 apartments (four-bedroom, two-bath) with a living room and kitchen. Amenities include house lounges, study rooms, laundry facilities and outdoor gather spaces, such as a grass amphitheater. The 2 six-story buildings line a "Main Street" which links the arena to the North and the stadium to the South.

The ground floor of both buildings contains offices, staff apartments, model apartments and a large open area, which may be enclosed in the future for retail and/or academic functions or left open to provide shaded outdoor gathering spaces. Special consideration was given to how this project relates to the stadium and the planned development of the stadium plaza.

The complex served as a hurricane evacuation center for the resident student population and must conform to building standards to allow for occupancy during a category five hurricane. Durability of mechanical equipment was a priority for SGM. The facility complied with **sustainable energy conservation strategies** and standards. The project is **LEED Silver** building.

Construction Cost: $36.5M

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, CPMP, BEMP)* – Project Manager
- Bobby Shahnami *(EIT, LEED AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Ben Fauser (P.E., LEED AP) – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari (CxA) – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 9

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Indian River County Sheriff's Office, **Indian River County Government, Vero Beach, FL**	**2012**	**2013**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Indian River County Government	**Lynn Williams**	**(727) 226-1416** **lwilliams@ircgov.com**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM Engineering provided modifications to the CCTV video surveillance system and access control system design for the new crime scene lab and evidence holding facility for Indian County Sheriff's office. This project was performed under a Continuing Contract.

The scope of services that SGM Engineering provided included, but was not limited to, the design for the installation of three additional CCTV video surveillance systems with 360 degree cameras. These additional cameras were tied into the new head-end in the crime scene building.

SGM installed 10 cameras and 16 doors/openings that need access control devices; one intercom/camera was also installed at the front entry.

All CCTV modifications complied with the 2010 Florida Building Code and 2010 Florida Fire Prevention Code, as well as the Owner's Standards.

Construction Cost: $400,000

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)*–Point of Contact
- Mark Escott; *(P.E., CxA, LEED AP)* – Project Manager
- Dave McGowan; *(P.E., LEEP AP)* – Lead Mechanical Engineer
- Justin Mundell; *(P.E., RCDD)* – Lead Electrical Engineer
- Ben Fauser; *(P.E., LEED AP)* – Lead Plumbing/Fire Protection Engineer
- Victor Goykhman; QA/QC Manager
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP Engineer**

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 10

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Florida International University, Generator Study, Miami, Florida	**2012**	**n/a**

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida International University	**Danny Paan**	**(305) 348-4005** **paand@fiu.edu**

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SGM Engineering provided a field survey and investigation in order to identify existing generators and respective fuel tanks at 29 various buildings on the FIU Modesto A. Maidique campus. The report included a spreadsheet with the generator size, catalog number, and serial number of the generators from field survey. Additionally, information regarding the generator fuel tank size/style and whether unit mounted or stand alone tank was also included in the report/spreadsheet. Data cut sheets from the manufacturer, for each generator, was provided for each generator, as well. All info was prepared for Florida International University in order to provide the Department of Environmental Resources Management with all requested information.

Engineering Services Cost: $13,600

Team Members Included:

- Tony Shahnami; President *(P.E., CxA, F.E., CES, CHS-II)* – Point of Contact
- Dave McGowan *(P.E., LEED AP, BEMP, CPMP)* – Project Manager
- Bobby Shahnami *(EIT, LEEP AP, CxA)* – Lead Mechanical Engineer
- Mark Escott *(P.E., CxA, LEED AP)* – Lead Electrical Engineer
- Justin Mundell *(P.E., RCDD)* – Electrical/Security Systems Engineer
- Ben Fauser; *(P.E., LEED AP)* – Lead Plumbing/Fire Protection Engineer
- Nassi Rahbari *(CxA)* – Lead Commissioning Manager
- Victor Goykhman; QA/QC Manager;
- Jim Kloes; *(CCST-III)* – Construction Administration Manager

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	**SGM Engineering, Inc.**	**Deerfield Beach, FL**	**MEP/FP Engineer**

G. KEY PERSONNEL PARTICIPATION IN SAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. SAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Tony Shahnami, *P.E., F.E., CES, CHS-III, CxA*	Principal in Charge/ President	X	X	X	X	X	X	X	X	X	X
David McGowan, *P.E., LEED AP, BEMP, CPMP*	Project Manager	X		X	X	X	X	X	X	X	X
John Ball, *P.E., LEED AP*	Lead Mechanical Engineer	X						X			
Ben Fauser, *P.E., LEED AP*	Lead Plumbing/Fire Protection Engineer	X						X	X	X	X
Mark Escott, *P.E., CxA, LEEP AP*	Lead Electrical Engineer	X	X	X	X	X	X	X	X	X	X
Justin Mundell, *P.E., RCDD*	Electrical/Security Systems Engineer	X	X	X	X	X	X	X	X	X	X
Nassi Rahbari, *CxA*	Lead Commissioning Authority	X		X	X	X	X	X	X	X	X
Victor Goykhman	QA/QC Manager	X	X	X	X	X	X	X	X	X	X
Jim Kloes, CCST-III	Construction Administration Manager	X	X	X	X	X	X	X	X	X	X

29. SAMPLE PROJECTS KEY

NO.	TITLE OF SAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF SAMPLE PROJECT (FROM SECTION F)
1	Broward College: Art Display Building HVAC Upgrade, Davie, FL	6	U.S. Army Corps of Engineers, Whole Barracks Renewal Complex, Fundamental Commissioning, Fort Hood, TX
2	Town of Palm Beach: Street/Site Lighting, Palm Beach, FL	7	Florida International University: Satellite Chiller Plant, Miami, FL
3	City of Hialeah: Public Works Facility, Hialeah, FL	8	Florida International University: Parkview Housing, Miami, FL
4	City of Hollywood Beach : Public Safety Facility Hollywood Beach, FL	9	Indian River County Government: Sheriff's Office, Vero Beach, FL
5	City of Riviera Beach: HVAC Replacement at City Hall, Riviera Beach, FL	10	Florida International University: Generator Study Miami, FL

SGM Engineering, Inc. (SGM) is a Certified Minority-Owned Business Enterprise, Professional Consulting Engineering Firm founded and incorporated in the State of Florida in 1991; DUNS Number 94-459-9141. For the past 23 years, SGM has been successfully delivering projects on time and under budget. SGM is registered to do business in multiple states and has an extensive Design-Build background associated with local governmental, educational, and commercial industries which includes, but is not limited to, the following: analysis, design development/production of construction documents, energy efficiency, lighting/water usage analysis for **LEED facilities**, preparation of design documents for the installation of HVAC/lighting systems upgrades, conducting facility audits (which includes evaluation of facility equipment, lighting, and maintenance practices), system selection, heating/cooling load calculations, component selection, system integration leading to the preparation of drawings, specifications/ bidding documents for recommended modifications, understanding of thermodynamics/heat transfer (and its application to the design of HVAC systems), processing/measuring systems, value engineering, life cycle costing, post design drawing review, preparation of operational maintenance manuals, electronic communications systems, force protection, electronic communications, engineering studies/site investigations, designing security/fire protection systems, layouts, schematics, 3-D Solid Models, and Computer Aided Analysis Programs to complete our designs.

CONTACT INFORMATION

Our office is located at *700 W. Hillsboro Blvd Bldg. 3, Suite 212, Deerfield Beach, FL 33441*; **Phone:** (954) 421-1944; **Fax:** (954) 421-192; **Website:** www.sgmengineering.com. This office is located just *16.93 miles* from the City of Fort Lauderdale. Our point of contact for this contract is Tony Shahnami, President, *P.E., CxA, F.E., CES, CHS-II* and Dave McGowan, Project Manager, *P.E., LEED AP, BEMP, CPMP*. They can be reached at Tony@SGMEngineering.com and Dave@SGMEngineering.com.

LEGAL ENTITY

SGM Engineering, Inc. is an S-Corporation, incorporated in the State of Florida in 1991 (**23 years in business**). Our Corporation number is V02240.

RELATIVE SIZE OF FIRM

Currently our firm has 34 employees. Our team is well qualified and capable of designing all aspects of MEP/FP systems for renovations, additions, and new facilities with knowledgeable emphasis on codes and energy conservation requirements. Our staff is also familiar with the latest Force Protection/Anti-Terrorism criteria, IBC and UFC codes along with NFPA codes 70 and 101. SGM's role is to provide high quality design, engineering, analysis, inspection services, design construction documents, cost estimates, construction administration, and coordination efforts with Construction Managers and City's representatives by ensuring that professional standards and timeliness of all projects are met.

Typical projects have included HVAC, indoor air quality (IAQ), chillers, air handler units (AHU), pumps, laboratory hoods, controls, electrical power, lighting, lightning arrestors, grounding, kitchen/cafeteria, emergency hurricane shelter program, fire alarm, energy management, construction management, peer review, and construction administration. Past experience has included, but is not limited to, the following:

- Conducting analysis, design development, and production of construction documents
- Providing water and wastewater pumping stations and treatment plant modifications
- Providing design of MEP systems, in whole or part, for small projects being designed by City in-house architectural staff
- Conducting analysis of new and existing MEP systems conditions in City-owned buildings and facilities
- Conducting inspection and approval of MEP construction elements performed by outside contractors
- Providing pre-design MEP analysis to determine feasibility of new additions or modifications to existing buildings or facilities
- Conducting inspection of electrical systems and components, as required by County Ordinance, for 40-year old buildings and preparation of required reports.
- Providing energy, lighting, and water usage analysis (for **LEED facility design**)
- Providing Commissioning services **(including Fundamental and Retro-Commissioning**)

SGM's **Mechanical Engineers** have experience in the design of mechanical systems including, but not limited to, the following: fire protection systems, all types/sizes of HVAC systems, high temperature hot water boilers, piping, fluid systems, chilled water, compressed gas systems, elevators, hoists/cranes, specialized mechanical equipment, direct digital controls (DDC), programmable logic controllers (PLC), as well as facilities to house the mechanical equipment.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

SGM's **Electrical Engineers** are skilled in the following design elements: medium/low voltage AC power systems, uninterruptible power systems, computer power conditioning, grounding, lightning protection, lighting, emergency power, hazardous area electrical installations, and control/monitoring systems. Previous project experience has consisted of utilizing electrical system designs, such as, security installation, in which CCTV, CATV, fire alarm, detection systems, voice evacuation, cable tray systems, communications systems, communications premise wiring, Electronic Security Systems (ESS), and intercom systems were designed/installed per national and local codes. SGM also has previous project experience associated with the "Anti-Terrorist Force Protection Act" which we have successfully applied to new and existing buildings.

Unique operations, often require secure communication channels, demand the skills of our BICSI RCDD credentialed professionals. SGM's designs are crafted to allow flexibility for growth and change, cutting edge technology, and the incorporation of future technologies. Specialized applications include integrated security, audio/visual presentation, voice/video/data distribution, public address/sound, intercom, CCTV, broadband distribution, and video tele-presence. SGM is highly experienced with communications in highly specialized facilities (such as SCIFs), and team members have attained the necessary clearances to work on classified facilities.

Our **Plumbing/Fire Protection Engineers** have the ability to design for domestic water systems, hot water return systems, equipment/fixture identification, sanitary drainage system, storm drainage piping, liquid propane/natural gas systems, and boilers. Also, fire protection areas of expertise include, but are not limited to, the following: fire suppression requirements (light, ordinary, and extra hazard classifications), wet, dry, deluge/pre-action systems, backflow prevention/metering specifications, and fire flow tests (static, residual, and flow).

As part of our commitment to continued technical and professional development, we regularly send our staff of engineers and designers to seminars and training classes (such as USGBC, STFP, UFC, ASHRAE, NFPA, OSHA) which allows them to keep up-to-date with the latest design methodologies and state-of-the-art engineering technology. Our emphasis on continued training and education is a testimony to our belief in the principle that the time and resources spent for continued professional development and training is an investment in the firm's future.

SGM Continuing Service Contracts:

SGM maintains multiple **Continuing Services Contracts**, allowing us the opportunity to perform various A/E local government renovations. A sample of the Continuing Contracts SGM has recently held include:

- *City of Miami Gardens*
- *Town of Palm Beach - Mechanical and Electrical Engineering Consultants*
- *School District of Palm Beach County - MEP/FP and Cx Services*
- *Broward County - Qualified Vendors List*
- *Florida International University - Continuing MEP/FP and Cx Services*
- *Town of Fort Myers Beach - On-Going Mechanical, Electrical, and Controls Professional Services*
- *Lake County Government - Continued On-Call Commissioning/Retro-Commissioning Services*
- *St. John County - MEP Services*
- *City of Orlando - MEP/FP*
- *Hillsborough County Government - MEP/FP*
- *City of Tampa - MEP/FP*
- *General State Administration State of Florida - A/E IDIQ*
- *Broward State College*
- *Orange County Government - Commissioning*
- *Hillsborough School District - Retro-Commissioning*
- *Orange County Public Schools - Commissioning*
- *United States Army Corps - Commissioning*
- *Orange County Government - Continuing MEP/FP*
- *City of Titusville - MEP/FP and Cx Services*
- *Sarasota County - Emergency Services*
- *U.S. Department of Labor - IDIQ for MEP Services*
- *U.S. Air Force, Tyndall AFB - IDIQ Open-ended Contract for Multi-discipline A/E Services*
- *Orange County Public Schools - MEP/FP*

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

COST CONTROL

SGM's philosophy is to provide our clients with quality professional services, promptly after their request. We will maximize cost savings while designing and constructing all projects with on-time performance on a schedule that meets all of your expectations. This philosophy will be carried through by the following means:

- The project manager will communicate with your representatives and all team members throughout all phases of the project
- Establishing the project criteria during initial project kick-off meetings and assurance of applicable code compliance throughout the project implementation
- Attendance at meetings, provide cost estimating, and stay within the budget
- Careful maintenance of the project schedule and provide value engineering
- Close communication with the City's staff throughout the project to ensure needs and expectations are being met
- Close coordination with local authorities
- Close communication and cooperation with the Project Manager, Construction Manager, and other personnel involved on the project.
- Consistent project site observation and inspections throughout the project
- Resolving construction issues on-the-spot
- Perform substantial completion inspection and follow-through with final punch list items

Budget analysis is offered to assist clients in defining their goals and objectives while taking construction costs into consideration. A course of action is then established along with open suggestions for design changes in order to reduce the budget within their budgeted guidelines. SGM can use an alternative cost control called Value Engineering.

Life Cycle Cost and Long Term Maintenance Features

SGM will lead the design effort in analyzing life cycle costing, energy conservation, first cost premiums, pay back periods with energy design, and modeling analyses. This approach will allow the City of Fort Lauderdale to make informed decisions and optimize the financial resources of the project. It is our priority to provide the City with the most accurate, dependable, and flexible designs. SGM utilizes the Carrier HAP software and Trane Tracer for cost analysis. Additionally, SGM will incorporate the same approach into lighting systems that are presently stand alone and not configured in a BAS, so that they become a component of the BAS control.

Systems that allow flexibility in zoning can be added to meet new room configurations. Systems that are dependable/require little maintenance and that have long life expectancy will be heavily considered. SGM designs the HVAC systems with maintenance in mind. We make sure boilers and chillers have sufficient adjacent tube pull space for maintenance and replacement. We specify that access panels reach reheat coils above hard ceilings, and that permanently sealed bearings are available in order to eliminate field lubrication maintenance. SGM strives to provide the best equipment and appurtenances on the market that require little or no maintenance.

SGM will meet and work with the Project Delivery Team in the evaluation of the various options and incorporate selected options into the estimates. SGM will specifically identify on the Cost Savings Suggestion list the type of documentation required of the designer (i.e.-addenda note, bulletin drawing, etc.) and we will monitor the drawings to ensure that the selected Cost Savings Suggestions are incorporated into the final construction documents. SGM uses our knowledge of economics and environment in HVAC/building systems to recommend quality, maximum payback solutions for the City.

Compliance with Performance Schedules

SGM utilizes a management plan for processing tasks in order to develop a project schedule that will track major milestones in the project. Schedules are developed based upon the project deadline from the client. SGM will provide adequate resources to meet each step of the design process. Schedules are updated on a weekly basis. Project Managers have weekly meetings to discuss the design completion schedule and other requirements needed to meet the deadline and its construction budget. The staff is experienced and has ample resources to meet deadlines and stay within construction budget. Specific challenges in scheduling may include project phasing or construction delays. Overcoming these challenges may include planning designs during a certain time of the year (i.e. remodeling a cafeteria during the summer, when less students are at the campus), or scheduling construction at night so an office building can remain occupied during the day.

SUSTAINABLE DESIGN

SGM and our sub-consultants are proud members of the US Green Building Council and are committed to environmental stewardship and social responsibility. Our firms employ **LEED accredited professionals** from all engineering and architecture disciplines familiar with Green Building design requirements and documenting projects for certification under the **USGBC's LEED rating system**. We achieve sustainable solutions through an integrated design approach, having professionals interact regularly from the sustainability charrette to final construction detailing to achieve sustainable solutions which benefit both the client and the environment.

Our team experience includes design solutions and **LEED administration** on projects which have achieved, or are in the process of achieving, a "Certified" or higher rating under the LEED rating systems. SGM's previous and current experience with the LEED rating system is diverse, involving "Certified", "Silver Certified" and "Gold Certified" projects. Our team strives for top performing designs, and LEED enhances this goal, through efficient use of energy, environmental, and human resources. These aspects directly translate into economic benefits for our clients. A one-time investment premium of less than 1% of costs can increase energy efficiency 20-30% in comparison to standard building code practices.

Some examples of SGM's LEED MEP engineering design include Orange County Public Schools - Colonial 9th Grade Center, the Skanska Orlando Office, and the Geico Garage attached to the Amway Center. SGM currently employs **LEED Accredited Professionals.**

SGM is familiar with standards regarding LEED certification, as well as the following values of LEED certified buildings: lower operating costs/increased asset value, reduced waste sent to landfills, conservation of energy and water, healthier/safer environment for occupants, reduced harmful greenhouse gas emissions, the ability to qualify for tax rebates, and zoning allowances.

SGM has developed a set of guidelines that represents energy efficient and environmentally responsible practices. They are recommended in supporting a sustainable design checklist. For example, issues may include:

- Controllable systems (lighting and thermal comfort)
- Energy efficiency
- Environmentally sensitive design
- Protection and preservation of natural resources
- Energy-conscious design
- Water efficiency / conservation
- Increased materials reuse and recycling
- Environmentally sound building materials and construction
- Eliminating hazardous substances
- Improving indoor and outdoor air quality
- Materials selection
  - Recycled materials and content
  - Low-emitting materials selection
- Materials reuse

Attention has been given in the past to energy conservation and efficiency, water conservation, recycling, reduced use of ozone depleting substances, and avoidance of the use of certain harmful substances such as asbestos, lead based paints, and PCB's. The critical key to accomplishing the listed initiatives is an integral design approach, where the evaluation of any building element, material or system is not viewed solely on the basis of its own isolated merit and cost, but is designed and then appraised as an integrated part of the entire building, facility or infrastructure system.

Energy Conservation

In HVAC construction projects, opportunities exist to reduce energy consumption between 30 and 50 percent over current energy codes. SGM plans to use the following high efficiency equipment and energy conservation measures:

- High efficiency package units
- Energy efficient chillers with staging
- Gas boilers
- Use of 0% - 100% economizer cycles for all air handling units
- Air handlers that operate only when required to meet zone load
- Use of CO2 sensors for indoor air quality
- Pumps with VFD's to reduce chilled & heating hot water flow based on demand
- Motors/fans with VFD's to reduce energy consumption based on airflow requirements
- Use of non-overloading fan motors

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

By addressing peak cooling/heating demand requirements, daylighting strategies, plug loads, thermal mass characteristics of holding tanks, and reservoirs significant reduction in energy use can be created. Some of these strategies can be executed for no additional cost and others can be implemented that have pay back periods between 9 months and five 5 years. Local energy companies can assist clients in maximizing energy efficiency.

SGM will take the lead with local utility providers in analyzing energy conservation, first cost premiums, and pay back periods. The local power supplier, in conjunction with SGM, will prepare energy design and modeling analyses. Thorough review/design feasibility will be completed and appropriate equipment, systems/ efficiencies will be incorporated, allowing for the most efficient design. This approach will allow the SGM to make informed decisions and optimize the financial resources of the project.

COMMISSIONING

Commissioning (Cx) consists of systematically documenting specified components/systems have been installed and started up properly, then functionally tested to verify/document proper operation through all modes and conditions. In addition, personnel training will be verified and final project O&M documents will be reviewed for completeness.

SGM's team will follow a basic approach to every commissioning project produced through this contract which includes pre-design commissioning for existing or new facilities, design phase, construction phase, acceptance phase, and warranty phase of commissioning. Should SGM be selected for this contract, our firm will guarantee substantial savings in the City's operational costs. All commissioning efforts will be performed through SGM's in-house staff. At the beginning of each work authorization/task order or assignment, our approach will be as follow:

Systems to be Commissioned

The following systems, including all components and controls, will be commissioned:

- Central building automation systems (Energy Management & Control System), including linkages to remote monitoring and control sites
- All equipment of the heating, ventilating, and air conditioning systems
- Refrigeration systems
- Life safety systems (fire alarm, smoke control systems, fire protection)
- Domestic and process water pumping systems
- Emergency power and uninterruptible power supply (UPS) systems
- Lighting control systems
- Electrical systems
- Various special equipment systems, such as pneumatic tube systems
- Special Construction

Existing buildings

SGM proposes that the City considers retro-commissioning of all existing facilities. Our prior retro-commissioning projects have produced whole-building energy consumption reduction of 20 – 45%.

SGM takes a phased approach to existing building retro-commissioning. The first phase includes calibration of sensors and actuators, as well as unifying system environmental set-points. The second phase includes a close scrutiny of the facility building system schedules.

The third phase of the SGM retro-commissioning approach involves the optimization of the actual sequences that the building system uses to control the indoor environmental conditions. Many building owners mistakenly believe that the installation of a complete Building Automation System will cause a decrease in the utility bills for their facilities. A building automation system simply executes the instructional code as was programmed to do so. If the code was written poorly written then the building system continues to operate inefficiently indefinitely.

SGM's Commissioning team has great experience with existing building commissioning. A common scenario that we see is that the building may appear to operate well from an occupant comfort perspective, while energy consumption may be excessive. It is the goal of the SGM commissioning team to find the most efficient operation of the building system, while maintaining the comfort of the building occupants.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Fundamental Commissioning Services

The typical scope for the SGM fundamental building commissioning services for new construction projects includes the following building systems:

- HVAC&R systems
- Lighting and day lighting controls
- Innovative and renewable energy technologies

Enhanced Commissioning Services

The enhanced commissioning service provides additional value to the owner and provides all documentation necessary to obtain the LEED Energy & Atmosphere credit 3. This service often results in smoother project coordination, reduction in Requests for Information between the construction team and the design team, and an overall higher level of performance for the building. The additional enhanced commissioning scope, provided by SGM includes:

- Facilitate and lead a kick-off meeting with the design and construction teams to discuss the additional commissioning scope
- Review all design and specification documents in the design development, 50% construction document, and just prior to the 100% construction document phase.
- Review of all applicable contractor submittal documentation.
- Develop a complete systems manual documenting the pertinent data needed by the operations & maintenance teams to assure a smooth transition at substantial completion and during occupancy.
- Coordinate and participate in all training sessions with the operations & maintenance staff
- Return to the building, 10 months after substantial completion to check systems operation, interview the operations & maintenance staff, and document open issues related to the commissioned systems.

Although most of the complexity of the building systems in this particular contract appear to be related to HVAC and building automation, the other support systems must receive an adequate level of attention to detail. The commissioning team must contain technical experts in these other support building systems such as access control, lighting control, biological safety cabinet controls and effluent decontamination treatment systems. SGM has assembled a team of experts in these ancillary building systems and can successfully complete the commissioning process.

As the project nears the end of the design phase, a comprehensive customized commissioning plan will be created, specific to this project. The plan will be divided into two distinct phases. There will be a design phase portion of the plan and a construction phase portion. The plan will strictly define the roles and responsibilities of each of the project participants as related to commissioning. The intent of the plan is to create an outline of the processes and responsibilities of all parties involved in the planning, design, construction and operation of the facility. It is imperative that a relationship with good communication and teamwork be established at onset of the project.

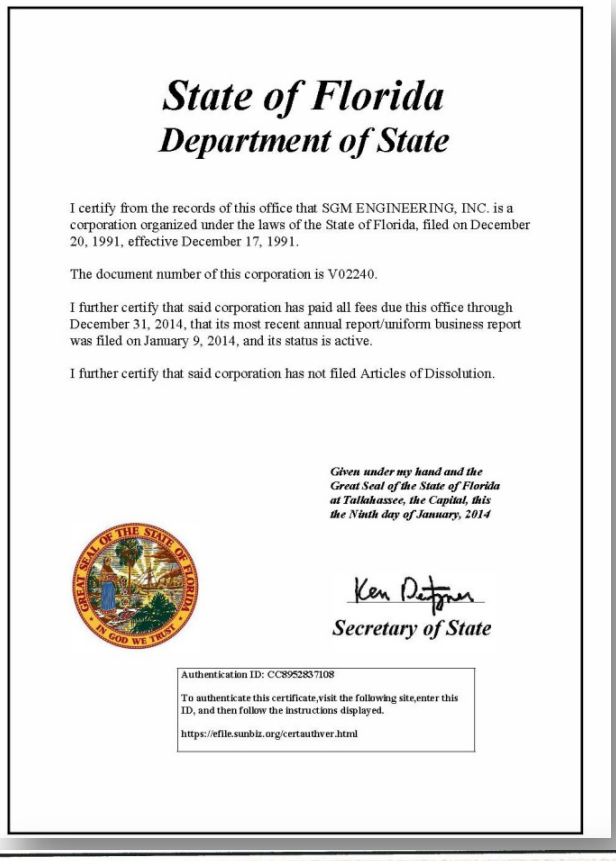
Commissioning is the process of achieving, verifying, and documenting the performance of building systems in accordance with the design intent and the client's functional and operational needs. Commissioning starts in the design phase and extends through the construction phase and into the warranty period.

In brief, the commissioning process entails developing clear and complete design and operational intent documentation, verifying and documenting proper equipment and system performance, ensuring that appropriate operations and maintenance (O&M) documentation is left with the building operation staff and ensuring that the building operators are sufficiently trained. Building commissioning is a team effort and requires cooperation from all parties to succeed efficiently.

Commissioning during the design phase is intended to achieve the following specific objectives:

- Provide commissioning focused design review
- Ensure that the design and operational intent are clearly documented
- Ensure that the commissioning for the construction phase is adequately documented in the bid documents.

ADDITIONAL QUALIFICAITONS OF THE FIRM



State of Florida
Department of State

I certify from the records of this office that SGM ENGINEERING, INC. is a corporation organized under the laws of the State of Florida, filed on December 20, 1991, effective December 17, 1991.

The document number of this corporation is V02240.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 9, 2014, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Ninth day of January, 2014

Secretary of State

Authentication ID: CC8952837108

To authenticate this certificate,visit the following site,enter this ID, and then follow the instructions displayed.

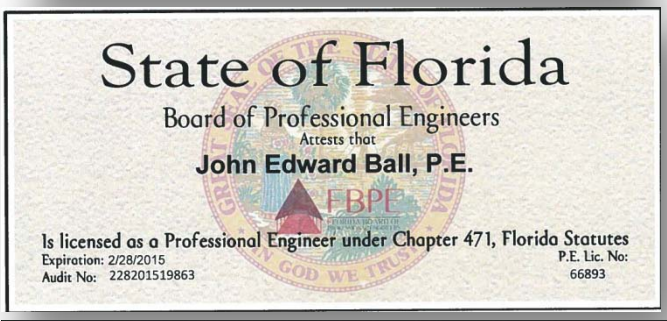
https://efile.sunbiz.org/certauthver.html

U.S. Green Building Council

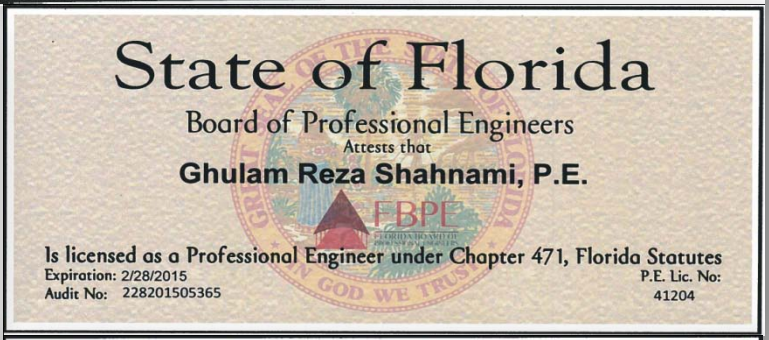
SGM Engineering
MEMBER SINCE 2008

THE U.S. GREEN BUILDING COUNCIL IS THE NATION'S FOREMOST COALITION OF LEADERS WORKING TO TRANSFORM THE WAY BUILDINGS AND COMMUNITIES ARE DESIGNED, BUILT AND OPERATED, ENABLING AN ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE, HEALTHY, AND PROSPEROUS ENVIRONMENT THAT IMPROVES THE QUALITY OF LIFE.

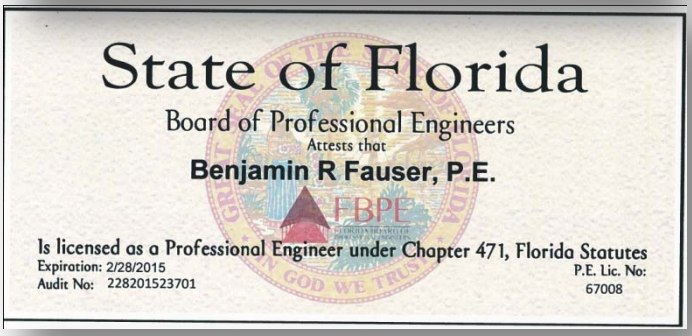
State of Florida
Board of Professional Engineers
Attests that
SGM Engineering, Inc.
FBPE
is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.
Expiration: 2/28/2015
Audit No: 228201502679
Certificate of Authorization
CA Lic. No: 6208



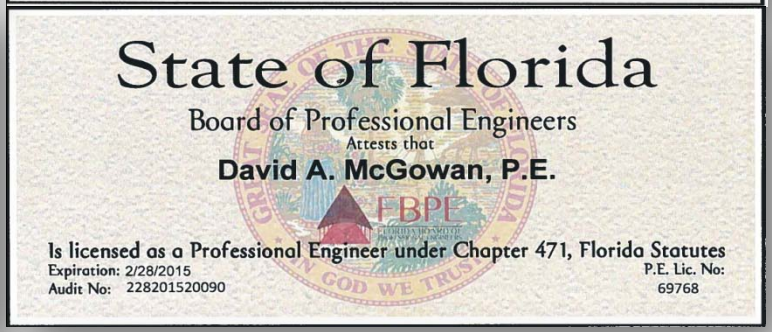
State of Florida
Board of Professional Engineers
Attests that
John Edward Ball, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201519863
P.E. Lic. No: 66893



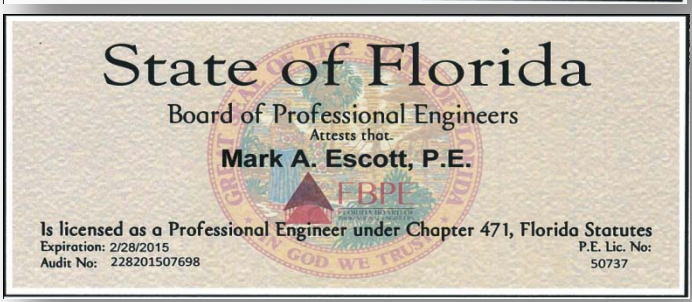
State of Florida
Board of Professional Engineers
Attests that
Ghulam Reza Shahnami, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201505365
P.E. Lic. No: 41204



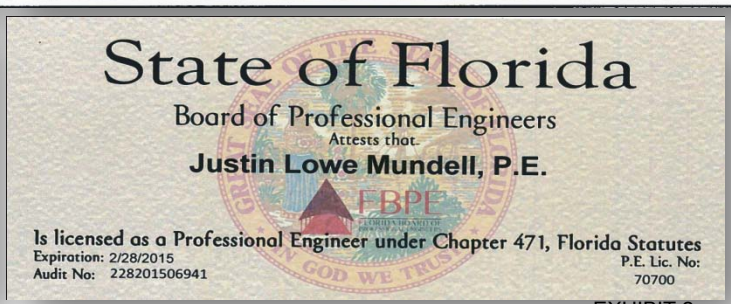
State of Florida
Board of Professional Engineers
Attests that
Benjamin R Fauser, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201523701
P.E. Lic. No: 67008



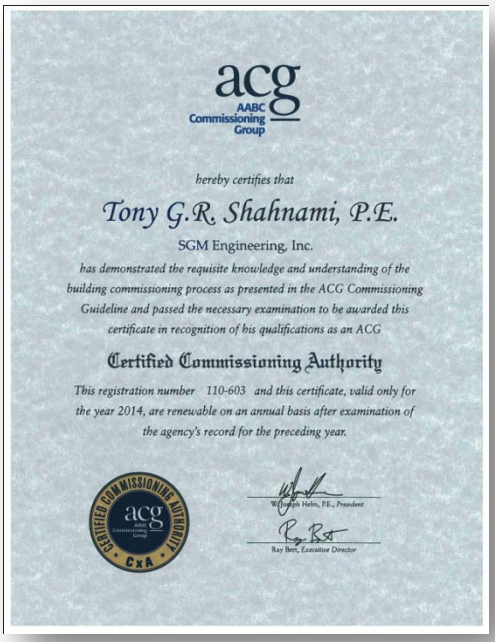
State of Florida
Board of Professional Engineers
Attests that
David A. McGowan, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201520090
P.E. Lic. No: 69768



State of Florida
Board of Professional Engineers
Attests that
Mark A. Escott, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201507698
P.E. Lic. No: 50737



State of Florida
Board of Professional Engineers
Attests that
Justin Lowe Mundell, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201506941
P.E. Lic. No: 70700


acg
AABC Commissioning Group

hereby certifies that

Tony G.R. Shahnami, P.E.

SGM Engineering, Inc.

has demonstrated the requisite knowledge and understanding of the building commissioning process as presented in the ACG Commissioning Guideline and passed the necessary examination to be awarded this certificate in recognition of his qualifications as an ACG

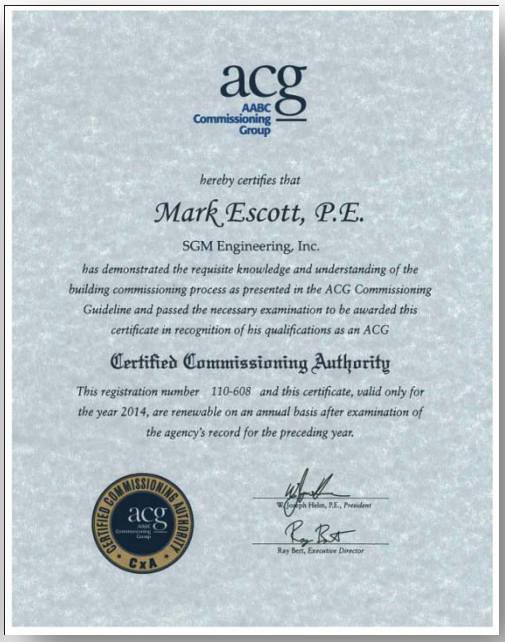
Certified Commissioning Authority

This registration number 110-603 and this certificate, valid only for the year 2014, are renewable on an annual basis after examination of the agency's record for the preceding year.

CERTIFIED COMMISSIONING AUTHORITY acg CxA

W. Joseph Helm, P.E., President

Ray Bert, Executive Director


acg
AABC Commissioning Group

hereby certifies that

Mark Escott, P.E.

SGM Engineering, Inc.

has demonstrated the requisite knowledge and understanding of the building commissioning process as presented in the ACG Commissioning Guideline and passed the necessary examination to be awarded this certificate in recognition of his qualifications as an ACG

Certified Commissioning Authority

This registration number 110-608 and this certificate, valid only for the year 2014, are renewable on an annual basis after examination of the agency's record for the preceding year.

CERTIFIED COMMISSIONING AUTHORITY acg CxA

W. Joseph Helm, P.E., President

Ray Bert, Executive Director


acg
AABC Commissioning Group

hereby certifies that

Nasrulah Rahbari

SGM Engineering, Inc.

has demonstrated the requisite knowledge and understanding of the building commissioning process as presented in the ACG Commissioning Guideline and passed the necessary examination to be awarded this certificate in recognition of his qualifications as an ACG

Certified Commissioning Authority

This registration number 1011-902 and this certificate, valid only for the year 2014, are renewable on an annual basis after examination of the agency's record for the preceding year.

CERTIFIED COMMISSIONING AUTHORITY acg CxA

W. Joseph Helm, P.E., President

Ray Bert, Executive Director


GBCI

GREEN BUILDING CERTIFICATION INSTITUTE

HEREBY CERTIFIES THAT

Mark A. Escott

HAS ACHIEVED THE DESIGNATION OF

LEED® ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™

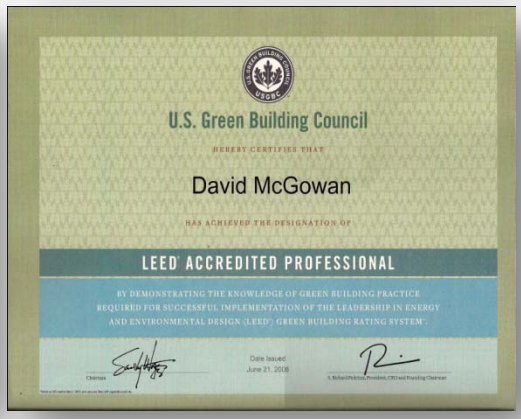
Chairman

October 18, 2008

Date Issued

S. Richard Fedrizzi, President and CEO

LEED AP


U.S. Green Building Council

HEREBY CERTIFIES THAT

David McGowan

HAS ACHIEVED THE DESIGNATION OF

LEED ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™

Chairman

Date Issued

June 21, 2008

S. Richard Fedrizzi, President, CEO and Founding Chairman


U.S. Green Building Council

HEREBY CERTIFIES THAT

John Ball

HAS ACHIEVED THE DESIGNATION OF

LEED ACCREDITED PROFESSIONAL

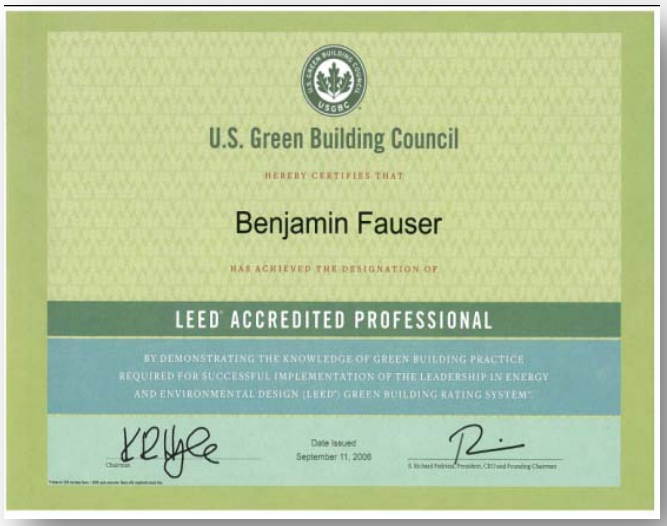
BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™

Chairman

Date Issued

August 30, 2006

S. Richard Fedrizzi, President, CEO and Founding Chairman


U.S. Green Building Council

HEREBY CERTIFIES THAT

Benjamin Fauser

HAS ACHIEVED THE DESIGNATION OF

LEED ACCREDITED PROFESSIONAL

BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™

Chairman

Date Issued

September 11, 2006

S. Richard Fedrizzi, President, CEO and Founding Chairman


The professional designation of

RCDD®

Registered Communications Distribution Designer

is awarded to

Justin Mundell

by BICSI® in recognition of having successfully completed BICSI's registration and examination requirements.

4/23/2013

Issued

Chair, RCS Committee

12/31/2016

Expires

Director of Credentialing

BICSI

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: **934-11367**

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME
SGM Engineering, Inc.
NAICS Codes: 236220, 238210, 238220, 541310, 541330, 541340, 541350, 561210, 561499 TIN Number: 59-3101052

3. YEAR ESTABLISHED: **1991**

4. DUNS NUMBER: **94-459-9141**

2b. STREET
700 Hillsboro Blvd., Building 3, Suite 212

2c. CITY: **Deerfield Beach**

2d. STATE: **FL**

2e. ZIP CODE: **33441**

5. OWNERSHIP

a. TYPE: **S Corporation**

b. SMALL BUSINESS STATUS: **SDB, MBE, and 100% SB**

6a. POINT OF CONTACT NAME AND TITLE
Tony Shahnami, *PE, FE, CES, CHS – III , President* and David McGowan, *P.E., LEED AP, BEMP, CPMP*

6b. TELEPHONE NUMBER: **954-421-1924**

6c. E-MAIL ADDRESS: tony@sgmengineering.com

7. NAME OF FIRM *(If block 2a is a branch office)*
SGM Engineering, Inc.

8a. FORMER FIRM NAME(S) *(If any)*: **Shahnami Engineering, Inc. : S.G.M. Engineering, Inc.**

8b. YR. ESTABLISHED: **1991**

8c. DUNS NUMBER: **944599141**

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administration	5	0
08	CADD Tech	2	0
16	Construction Manager	1	0
15	Construction Inspector	4	0
21	Electrical Engineer	2	0
25	Fire Protection Engineer	2	0
42	Mechanical Engineer	5	0
48	PM – Electrical	3	0
48	PM– Mechanical	2	1
48	PM – Plumbing	1	0
	Plumbing Engineer	2	0
	System/Audio Engineer	1	0
	Electrical Designer	2	0
	Mechanical Designer	2	0
	Total	34	1

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
A06	Airports, Terminals, and Hangars	1
A09	Anti-Terrorism/Force Protection	3
A11	Auditoriums and Theaters	1
C05	Child Care/Development Facilities	1
C10	Commercial Bldg (low rise)	2
C11	Community Facilities	2
D07	Dining Halls, Clubs, Restaurants	2
E02	Educational Facilities	5
F02	Field, Gyms, Stadiums	1
F03	Fire Protection	2
G01	Garage: Parking Decks	1
H06	High – Rises	1
H08	Historical Preservation	1
H09	Hospital : Medical Facilities	1
H10	Hotels: Motels: Resorts	1
H11	Housing	5
L01	Laboratories	1
L04	Libraries	1
M05	Military Design Standards	2
R04	Recreational Facilities	2
W01	Warehouse and Depots	1
	Assisted Living Facilities	1

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	4
b. Non-Federal Work	6
c. Total Work	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000.
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

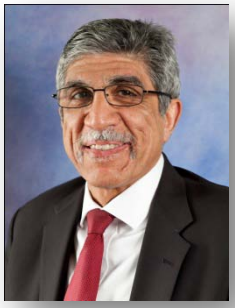
The foregoing is a statement of facts.

a. SIGNATURE

b. DATE: 2/26/2014

c. NAME AND TITLE
Tony Shahnami, PE, FE, CES, CHS – III - President

CITY OF FORT LAUDERDALE



Why Tony?

- 33 years of Local Government Design Experience
- ACG Certified Commissioning Authority

Tony Shahnami, P.E., CxA, F.E., CES, CHS-II
Principal in Charge

Education: Bachelor of Science, Mechanical Engineering, University of Miami
Active registration: Registered Professional Engineer – FL #41204, ACG Certified Commissioning

Mr. Shahnami is a registered Mechanical Engineer with thirty three years of experience in design-build projects, facilities management, construction administration, and project management of projects throughout the State of Florida. Mr. Shahnami will serve as Principal in Charge and will provide ideas and methods that will resolve current Mechanical dilemmas. Mr. Shahnami is the President of SGM and has the authority to represent the firm in all contractual matters. Mr. Shahnami has received a Certificate of Recognition by the Orange County Chairman for outstanding design of make-up water retrofit at the Convention Center's Central Utility Plant.

Mr. Shahnami is very experienced in designing integrated city and local government Building Automation Systems. Tony's knowledge of designing innovative solutions for accelerated energy efficiency includes the design of Energy Recovery Wheels for Child Development Centers on MacDill and Hurlburt U.S. Air Force Bases. Additionally, Mr. Shahnami is familiar with EPA Energy Star Portfolio Manager. As an ACG Certified Commissioning Agent, Mr. Shahnami has managed **LEED-certification**/ design and provided advanced commissioning. Additionally, he has experience with controllable systems (lighting and thermal comfort), water efficiency, energy efficiency, indoor environmental quality, materials selection (including recycled/reused materials) and low-emitting materials selection.

Why David?

- 11 years of experience with local government facilities
- Excellent verbal and communication skills
- Familiar with South Florida Building Codes and Guidelines

David McGowan, P.E., LEED AP, BEMP, CPMP
Project Manager

Education: Bachelor of Science, Mechanical Engineering, University of Utah
Active registration: Registered Professional Engineer – FL #69768, **LEED Accredited Professional,** Building Energy Modeling Professional

Mr. McGowan has acted as Project Manager for a variety of projects involving local government facilities including, but not limited to, the following: Sheriff's department/police stations, MEP/ FP renovations/upgrades, fire stations, parks/recreational facilities, and emergency management centers. He will be responsible for scheduling, formal/informal reporting, task order management, and quality control reporting for all task orders under this contract. Additionally, he will review technical quality and timeliness of all activities. His years of experience as a Project Manager and an Engineer of Record makes him well qualified to act as Project Manager for this project.

Additionally, Mr. McGowan is a **LEED Accredited Professional** that specializes in design, testing, and modification of building controls systems. Residing in South Florida, Mr. McGowan has a concentrated understanding of the South Florida Building Codes and the State Requirements for local facilities, ADA, and related Florida Statutes. Dave also has experience managing multiple minor projects concurrently. Furthermore, Dave also has an extensive background working with occupied facilities during renovation and design.

CITY OF FORT LAUDERDALE

John Ball, P.E., LEED AP

Lead Mechanical Engineer/Mechanical Department Manager

Education: Bachelor of Science, Mechanical Engineering, Mississippi State University
Active registration: Registered Professional Engineer – FL #66893,
LEED Accredited Professional

Mr. Ball has experience in various phases of mechanical engineering; his experience includes, but is not limited to: HVAC, analysis, design, and construction administration for a variety of building types including governmental facilities, fire stations, Sheriff's offices, and institutional facilities. His expertise is in IAQ, chillers, pumps, AHUs, cooling towers, dehumidification, and BACnet Web-based BAS.

John is very familiar and has been heavily involved in, projects that require frequent interaction with government entities, clients, users, and contractors from the start of the project through the final commissioning. Additionally, John has extensive background managing multiple minor projects concurrently. He also has a great deal of involvement working with occupied facilities during renovation and design.

Why John?

- Familiar with sustainable/LEED design
- Excellent verbal and communication skills
- Familiar with local government projects, including parking/recreations facilities and EOCs

Current Similar Continuing Contract Experience:

- City of Miami Gardesn
- City of Tampa MEP/FP
- Broward State College
- Broward County School District
- City of Orlando MEP/FP
- General Service Administration State of Florida A/E IDIQ

Ben Fauser, P.E., LEED AP

Plumbing/Fire Protection Engineer

Education: Bachelor of Science, Mechanical Engineering, University of Missouri
Active registration: Registered Professional Engineer – FL #67008,
LEED Accredited Professional

Mr. Fauser has 11 of years experience in various phases of plumbing, fire protection, and mechanical engineering analysis/design, and construction administration. He also has exposure with a variety of building types including governmental and educational facilities. Mr. Fauser is particularly skilled in the design of plumbing, mechanical, and fire protection systems with optimum performance for complex, high-profile governmental facilities which require maximum building performance and security in order to accomplish objectives and missions. Ben's specialty areas include pipe sizing/selection, as well as, product specifications. Mr. Fauser has a clear understanding of the South Florida Building Codes and Guidelines. Additionally, Ben has experience managing multiple minor projects concurrently. Furthermore, Mr. Fauser has in-depth knowledge working with occupied facilities during renovation and design.

Why Ben?

- Familiar with LEED/sustainable design
- Strong public safety/law enforcement facility experience
- Florida Professional Engineer

Current Similar Continuing Contract Experience:

- City of Miami Gardens
- City of Orlando MEP/FP
- Orange County Government Commissioning
- School District of Indian River County

CITY OF FORT LAUDERDALE

Mark Escott, P.E., LEED AP, CxA

Lead Electrical Engineer/Director of Engineering

Education: Bachelor of Science, Electrical Engineering, University of South Florida
Active registration: Registered Professional Engineer – FL #50737,
LEED Accredited Professional, ACG Certified Commissioning

Mr. Escott has over 21 years of experience in Electrical Engineering which includes project management, permitting, job costing, major purchases/subcontracts, submittals, scheduling, manpower loading, field coordination, change order estimating, technical assistance to field personnel, and project closeouts. Mark's areas of expertise include project design, lighting design, power system design, riser diagrams, panel schedules, design and implement information systems, supply planning, EMF analysis, surge arrester protection, and distribution operations.

Mr. Escott is skilled in the design of electrical systems including, but not limited to, the following: fire alarm/detection systems, medium/low voltage AC power systems, Electronic Security Systems (ESS), uninterruptible power systems, computer power conditioning, grounding, lightning protection, lighting control systems, emergency power, hazardous area electrical installations, control/monitoring systems, cable tray systems, communications raceway systems, and communications premise wiring. Mr. Escott is extremely involved in designing integrated city/campus-wide Building Automation Systems. Mark's knowledge of designing innovative solutions to accelerated return on energy efficiency includes design of LED Lighting, Photovoltaic Systems, and Solar Water Heating. Additionally, Mr. Escott has a strong background with EPA Energy Star Portfolio Manager.

Why Mark?

- Prior experience working on Local Government Existing and New Facilities
- 18 years of Higher Education Design Experience
- ACG Certified Commissioning Authority
- **LEED Accredited Professional**

Justin Mundell, P.E., RCDD

Electrical/Security Systems Engineer

Education: Bachelor of Science, Electrical Engineering, University of Central Florida
Active Registrations: Registered Professional Engineer: Electrical – FL #70700,
Registered Communications Distribution Designer

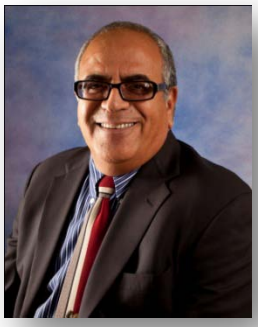
Mr. Mundell has 11 years of experience in the drafting and design of electrical systems including power, lighting, and communications systems for commercial, restaurants, and educational facilities. His expertise is in fire alarm, systems, power distribution, and lighting protection systems. Justin has extensive backgroundwith a multitude of facilities including, but not limited to: high profile government projects, public safety complexes, Sheriff's stations, and other local and federal government buildings. Justin is very familiar with local municipality standards, as well as, high performance sustainable lighting design as described in USGBC. Additionally, Justin has experience managing multiple minor projects concurrently. He also has extensive experience working with occupied facilities during renovation and design.

Mr. Mundell is well experienced in designing integrated city-wide Building Automation Systems. Justin's knowledge of designing innovative solutions in order to accelerate the return on energy efficiency includes, but is not limited to, the following: design of LED Lighting, Photovoltaic Systems, and Solar Water Heating. Mr. Mundell has knowledge of EPA Energy Star Portfolio Manager.

Why Justin?

- Prior experience working on Local Government Existing and New Facilities
- Professional Electrical Engineer

CITY OF FORT LAUDERDALE



Why Nassi?

- Nearly 30 years of experience with in-depth review of mechanical and HVAC design
- Certified CxA

Nassi Rahbari, CxA

Building Commissioning Agent/Commissioning Department Manager

Education: Bachelor of Science, Engineering and Computer Sciences, University of Central Florida
Active Registrations: Certified Commissioning Authority

Mr. Rahbari has over 29 years experience reviewing Mechanical and HVAC designs for local and federal government entities throughout the United States. Mr. Rahbari is utilized specifically as a Commissioning Agent at SGM Engineering, acting as the Commissioning Department Manager. Mr. Rahbari is a Licensed Class A certified Air Conditioning Contractor, Licensed Mechanical Inspector, Licensed Mold Assessor, and Mold Remediator with expertise in the optimization of chiller plant sequencing and operation with DDC controls. Having worked for many years on local and federal governmental facilities, Mr. Rahbari has a comprehensive understanding of Florida Statutes and regulations within mechanical systems. Additionally, Nassi has experience managing multiple minor projects concurrently. He also has involvement experience working with occupied facilities during renovation and design

Why Victor?

- Nearly 40 years of experience with local government facilities

Victor Goykhman

QA/QC Manager/Vice President

Education: Bachelor of Science, Electrical Engineering, Polytech University

Mr. Goykhman is the Vice President of SGM Engineering and has 39 years of engineering experience. As QA/QC Manager, Victor provides supervision/ management for assistance and support of field offices, project management, project coordination, and tracking. Additionally, Victor's scope of work includes reporting daily job activities, developing scope of work for construction modifications, construction QA, reporting, review of contract documents/shop drawings, review of QC plans, and design reviews. Mr. Goykhman will monitor and oversee the A/E team to ensure delivery of quality plans, specifications, and project narratives for each project encountered.

Why Jim?

- Nearly 50 years of MEP experience
- Strong public safety facility background

Jim Kloes, CCST III

Construction Administrator Manager

Education: Certified Plumbing/ Pipe Fitter Instructor, Purdue University
Active Registrations: ISA, Level III Control Technician

Mr. Kloes has over 48 years of experience in supervision, teaching, and knowledge of HVAC, industrial, aeronautical piping, and control systems. Mr. Kloes' experience includes teaching certification, instructor training, Control Design Consultant, and acting as Project Engineer. Jim has worked on many local government projects including, but not limited to: Wolfsonian Museum at Florida International University, City of Chipley LED Street Light Retrofit/Solar Powered Traffic Signal, City of Hollywood Beach Public Safety Facility, and Orange County Government Barnett Park Gymnasium/Recreation Center. Jim also has experience managing multiple minor projects concurrently. Additionally, he also has extensive practice working with occupied facilities during renovation and design.

CITY OF FORT LAUDERDALE

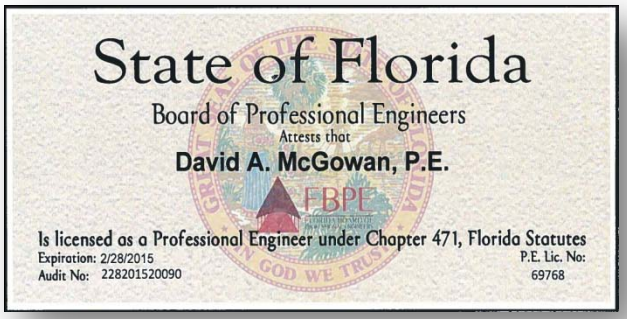
Mr. David McGowan, *P.E., LEED AP, BEMP, CPMP*, will serve as SGM Engineering's Project Manager for this **Continuing Contract for Mechanical Electrical Plumbing Engineering Services for the City of Fort Lauderdale.** Mr. McGowan has extensive experience in the design of HVAC systems for various local government, military, commercial, residential, industrial, healthcare, and institutional clients. As both a Project Manager and Mechanical Engineer, David has participated in the design of various types of projects including public safety facilities, Sheriff's office, fire stations, classroom renovations, adminsitration buildings, waste water treatment plants, and **LEED facilities**. Mr. McGowan has been Project Manager on multiple million dollar projects. In conclusion, Mr. McGowaan is also a Building Energy Modeling Professional, and Commissioning Process Management Professional. These certifications compliment his HVAC engineering knowledge to mitigate IAQ problems for building occupants.

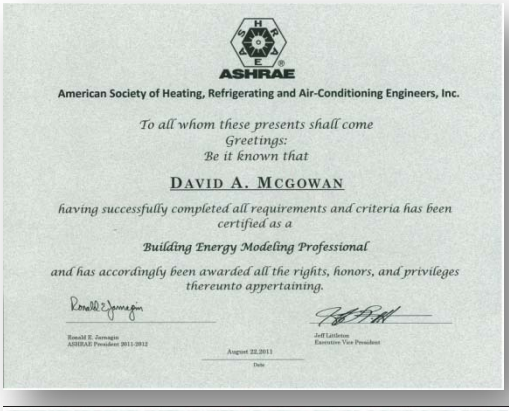
As a **LEED Accredited Professional**, Mr. McGowan has managed **LEED certification** and design, provided commissioning and advanced commissioning, and has experience with controllable systems (lighting, thermal comfort), water/energy efficiency, indoor environmental quality, materials selection (including recycled/reuse materials/content and low-emitting materials selection).

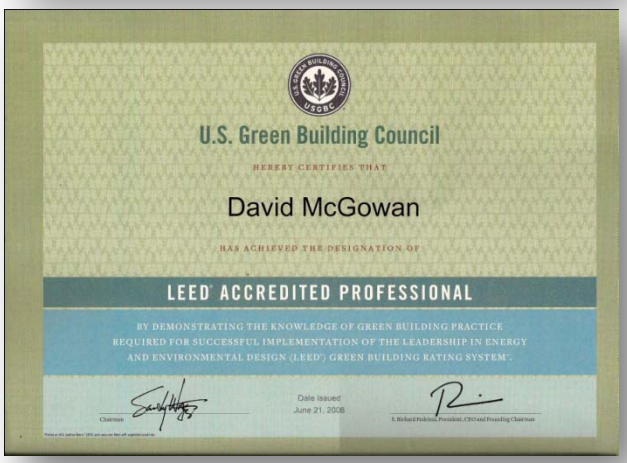
Dave McGowan manages and works out of our Deerfield Beach office. Dave is a resident of Wellington, FL (in Broward County) and will act as the City of Fort Lauderdale's Point of Contact.

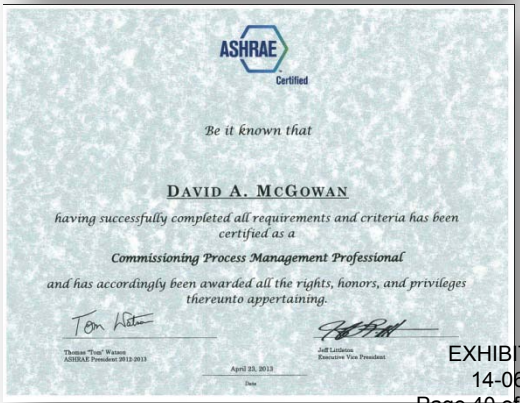
Mr. McGowan has been a Project Manager for 115 projects the past three years since joining SGM. Additionally, Dave has over 8 years of Mechanical Engineering experience.

Education: Bachelor of Science, Mechanical Engineering, University of Utah
Registrations: Registered Professional Engineer – FL #69768
Certifications: **LEED Accredited Professional**, Building Energy Modeling Professional, Commissioning Process Management


State of Florida
Board of Professional Engineers
Attests that
David A. McGowan, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201520090
P.E. Lic. No: 69768


ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
To all whom these presents shall come
Greetings:
Be it known that
DAVID A. MCGOWAN
having successfully completed all requirements and criteria has been certified as a
Building Energy Modeling Professional
and has accordingly been awarded all the rights, honors, and privileges thereunto appertaining.


U.S. Green Building Council
HEREBY CERTIFIES THAT
David McGowan
HAS ACHIEVED THE DESIGNATION OF
LEED ACCREDITED PROFESSIONAL
BY DEMONSTRATING THE KNOWLEDGE OF GREEN BUILDING PRACTICE REQUIRED FOR SUCCESSFUL IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) GREEN BUILDING RATING SYSTEM™.
Date Issued
June 21, 2008


ASHRAE
Certified
Be it known that
DAVID A. MCGOWAN
having successfully completed all requirements and criteria has been certified as a
Commissioning Process Management Professional
and has accordingly been awarded all the rights, honors, and privileges thereunto appertaining.

SGM Engineering, Inc. (SGM) was founded and incorporated in the State of Florida in 1991. SGM is a certified **Minority Business Enterprise (MBE).** Our business approach is to review, evaluate, design, and recommend the most efficient, cost effective, and safest method possible for all of our clients and the projects we undertake. Our role is to provide the highest quality design construction documents, cost estimates, construction administration, and coordination efforts with construction managers/owner's representatives by ensuring that professional standards and timeliness of all projects are met. SGM is capable and qualified to design all aspects of MEP systems with knowledgeable emphasis on codes and energy conservation requirements. *Continuously achieving and exceeding the goals of our clients has established SGM's reputation as a solid engineering leader in the field of Mechanical , Electrical, Plumbing, and Fire Protection Engineering.*

SGM Engineering's Size:
We currently have 34 full-time employees dedicated to providing professional services. SGM has the required staff in all disciplines to perform job assignments for this Continuing Contract for Mechanical Electrical Plumbing (MEP) Engineering Services for the City of Fort Lauderdale. The staff committed to this contract will be immediately available for your assignment and the depth of staff will provide support when necessary to handle multiple projects concurrently.

SGM's Design/Modeling Software:
SGM has integrated industry standard computer technology into every phase of the design process, resulting in an efficient use of resources and allowing greater focus on delivering the best design solutions. Our information and design technology network is comprised of servers and workstations and are standardized on Intel processors/Microsoft operating system. Our offices are connected by a virtual private network [VPN] operating across our dedicated tier 1 provisioned T1 data lines. Each SGM professional is provided with a high-end, graphics workstation. They are equipped for three-dimensional modeling, visualization, and the production of project contract documents. SGM maintains an array of graphic and office productivity software application licenses including Autodesk AutoCAD, AutoCAD MEP, Autodesk Revit, Adobe Suite, and Microsoft Office Suite. Our CAD systems includes AutoCAD 2014 and AutoCAD MEP 2014 (updated via subscription as new releases are made available). Within Autodesk products, the keynoting capabilities allow us to note our drawings uniformly and use MasterSpec for specification creation. Within AutoCAD we use dynamic blocks and custom organizational tools to create a very client oriented approach. We are licensed to use Arcom "MasterSpec" specification database software, as well as, the Construction Specifications Institute "Manual of Practice". "MasterSpec" software is electronically revised every 3 months so that new technology, code requirements, and industry standards are always up to date. Additionally, SGM is fully capable and experienced with designed in BIM, if the project requires.

Quality Control:
SGM is a quality driven organization. Quality Control is an integral part of the scheduling and production process. For Continuing Service Contracts, SGM Engineering has a multi-tiered approach to quality when handling Continuing Services Contracts. Key components include completion of a detailed Project Management Manual and communication of that plan to the City of Fort Lauderdale, assigning qualified staff to designated design tasks, assigning qualified senior personnel as quality control approvers to review/approve design quality production, both discipline, inter-discipline/ constructability, identifying a separate Independent Technical Review (ITR) team from qualified personnel who are not otherwise working the project, use the detailed work plan that outlines the work tasks, budgets, milestones to measure performance, use guide details, specifications, and software programs to maximize efficiency.

SGM ensures that there will be documented and constant communication between the City of Fort Lauderdale and our design team. We will involve the facility end users, and City personnel, throughout the entire design process. This will start in pre-design through identification of all key personnel in the Project Outline with name and contact information, along with areas of responsibility correlated to the project's work breakdown structure. A Project Initiation Conference will be held for each project with all team members included. Regular team meetings will be held throughout the entire design process. The regularity of these meetings will be based upon the size and complexity of the particular project. Our experience is that often times the RFP does not address all the needs and concerns of the owner. It is important these issues are discovered to save the City of Fort Lauderdale unwanted costs, value engineering, and efficiency of design. SGM will ensure that scheduling is an ongoing cooperative issue. SGM will ensure that all lead engineers will ensure that all design submittals meet the City's Construction Standards, receive ongoing feedback from the City of Fort Lauderdale's construction/facilities planning division, answer all questions and comments and ensure the design takes construction cost and efficiency into account.

The first critical element of SGM's Quality Control Program is development and implementation of the Project Schedule; we maintain our own computerized scheduling system. We develop and maintain a sophisticated project schedule utilizing Microsoft Project. We establish a master project schedule that encompasses all design development and construction document preparation. This master schedule serves to establish a work plan for accomplishing period and systematic reviews as design progresses and to ensure significant quality control requirements are accommodated. As design development reaches completion, quality control activities identified through the integrated design review process are then entered into the schedule where they become identifiable as discreet required activities.

The second critical element will be to establish and implement procedures for comprehensive and interdisciplinary design document review. This will be accomplished through use of time proven concepts: integrative conceptual design teams, in-house design quality control/quality assurance review, office standards, quality assurance reviews, interdisciplinary review, project organization/team communications, training/intern development, and technical review.

Thirdly, we will quickly establish routine and frequent (bi-weekly) coordination meetings. These take on a decidedly design oriented tone during design development, but serve as the basis for the more frequent (weekly) Quality Control Coordination meetings as the construction documents are completed.

Additionally, SGM Engineering has the ability to complete plans within budget and schedule as evidenced by previous projects, addressing the accuracy of original estimates vs. actual completed project costs, and completed schedules.

Current Workload:
SGM Engineering has evaluated our current workload for 2014, and has come to the conclusion that we are able to immediately begin working on tasks assigned by the City upon contract award. We are currently operating at or below 45% capacity, therefore allowing any/all of our design staff to immediately take on additional projects and tasks. As part of SGM's operating philosophy, we do not max our total staff beyond 80% in order to accommodate all Continuing Service Contracts and its respective tasks that may arise in a short time frame. All staff assigned to this contract, as outlined in the Organizational Chart, is able to immediately service the City of Fort Lauderdale, upon contract award and review.

Client: Florida International University
11200 SW 8th St., Miami, FL 33174

Client Contact: Danny Paan
Phone: (305) 348-4005; Fax: (305) 348-4010; Paand@fiu.edu

Description of Work: *Wall of Wind Staging Area Metal Building:*
SGM designed mechanical and electrical systems for a prefabricated metal building to support an adjacent facility which performed testing of structures subjected to hurricane force winds. The staging building design included an open floor plan with power, and a compressed air system, which allowed the building users the flexibility of having nearby power and air outlets throughout the space to quickly and efficiently fabricate a structure for testing.
Construction Cost: $47,000

Year Complete: December 2013 (design)

Client: Broward College
3501 Davie Rd., Davie, FL 33314

Client Contact: Yohannes Asgedom
Phone: (954) 201-6819; Fax: n/a; Yasgedom@Broward.edu

Description of Work: *Art Display Building HVAC Upgrade*
The Broward College South Campus is served by a central chilled water plant that shuts down after hours. The existing Art Display Building utilized the chilled water from the central plant to condition the space. The art work that is displayed requires constant humidity control to preserve the pieces on display. SGM was tasked with providing humidity control for after hours and weekends, and provided a design consisting of a 3 ton split system controlled by both temperature and humidity set points to meeting the art departments standards for preserving the artwork in the space.
Construction Cost: $12,000

Year Complete: February 2014 (design)

Client: School District of Indian River County
87 N. Clarke Rd.
Ocoee, FL

Client Contact: John Earman
Phone: (772) 564-5060; Fax: n/a; John.earman@indianriverschools.org

Description of Work: *Citrus Elementary School Chiller Plant Upgrade*
SGM designed a new chiller and high storage tanks to replace the existing ones, which were relocated. New chillers increased capacity in order to accommodate future occupancy needs of the school.
Construction Cost: $54,264

Year Complete: February 2014 (design)

Client: School District of Osceola County,
1253 Pleasant Hill Rd., Kissimmee, FL

Client Contact: Remy Gili
Phone: (407) 709-6105; Fax: (407) 518-2985; GiliRemy@osceola.k12.fl.us

Description of Work: *HVAC Replacement for Pleasant Hill Elementary School:*

SGM designed the replacement of 4 total HVAC units in order to accommodate the future needs of the students and faculty. Two units were placed in Building 100 and two units were placed in Building 300. *Construction Cost:$90,000*

Year Complete: January 2014 (design)

Client: MacDill Air Force Base,
6801 South Dale Mabry Highway, Tampa, FL

Client Contact: Mack Reifers
Phone: (904) 886-2990; Fax: n/a; MReifers@AbbaConstruction.com

Description of Work: *CE Storage Facilities (Bldgs 1075, 1083, and 1084)*

SGM provided MEP/FP, Civil, Structural, and Architectural design services for the CE Storage Facility as a part of a MACC at MacDill Air Force Base. SGM's design services included, but were not limited to, a new ventilation system, compressed air piping, and service lighting. *Construction Cost: $1.2M*

Year Complete: January 2013 (construction)

Client: Seminole State College
100 Weldon Blvd., Sanford, FL

Client Contact: Larry Simmons
Phone: (407) 823-6518; Fax: n/a; larry.simmons@ucf.edu

Description of Work: *Seminole State College Chiller Replacements*

SGM provided the design for a new chiller at Seminole State College for the replacement of two aging 450 ton chillers on the Sanford/Lake Mary campus. The chillers were replaced with energy efficient models that are able to save the College more than $100,000/year. This was a fast tracked project. *Construction Cost: $500,000*

Year Complete: April 2012 (construction)

Client: Orange County Government
9800 International Drive, Orlando, FL

Client Contact: Brian Kennedy
Phone: (407) 685-7311; Fax: n/a; brian.kennedy@ocfl.net

Description of Work: *Orange County Convention Center: Variable Frequency Drives, Control:*

SGM provided design and commissioning for new Variable Frequency Drives and Controls systems for the Orange County Convention Center. Scope of work included the design of all existing air handling units, fans, blowers, and secondary chilled water pumps. *Construction Cost:$1.5M*

Year Complete: 2011 (construction)

CITY OF FORT LAUDERDALE

State of Florida

Minority, Women & Service-Disabled Veteran

Business Certification

SGM Engineering, Inc

Is certified under the provisions of
287 and 295.187, Florida Statutes for a period from:

08/08/2013 to 08/08/2015

John P Miles, Secretary

Florida Department of Management Services
Office of Supplier Diversity

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399-0950 • 850.487.0915 • www.osd.dms.state.fl.us

SGMEN-1 OP ID: DO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 07/15/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Jackson, Collinsworth & Johnson Insurance Agency, LLC. 2208 Hillcrest Street Orlando, FL 32803 Mark E. Jackson Phone: 321-445-1117 Fax: 321-445-1076	CONTACT NAME: Donna Casenove PHONE (A/C, No, Ext): 321-445-1162 FAX (A/C, No): 321-445-1076 E-MAIL ADDRESS: certs@jcj-insurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : American Cas Co of Reading PA	20427
INSURER B : Continental Casualty Company	20443
INSURER C : Auto-Owners Insurance	18988
INSURER D : Homeland Insurance Co. of NY	34452
INSURER E :	
INSURER F :	

INSURED: SGM Engineering, Inc.
935 Lake Baldwin Lane
Orlando, FL 32814

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Contractural Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC	X	X	5092160870	07/06/2013	07/06/2014	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 300,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
C	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	X	X	4761849601	07/06/2013	07/06/2014	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000	X	X	5092160089	07/06/2013	07/06/2014	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	X	5092160044	07/06/2013	07/06/2014	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liab Deductible $25,000			DPL-2330-13 RETRO DATE 04/08/02	04/08/2013	04/08/2014	Per Claim Aggregate	2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

For Information Purposes Only.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local BUSINESS preference classification as indicated herein, and further certifies and agrees that it will re-affirm it's local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

(1) _____ Business Name is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the City of Fort Lauderdale current year Business Tax Receipt **and** a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.

(2) _____ Business Name is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Business Tax Receipt **or** a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.

(3) _____ Business Name is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.

(4) _____ Business Name requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

(5) _____ Business Name requests a **Conditional Class B** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

(6) SGM Engineering, Inc. Business Name is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. and does not qualify for Local Preference consideration.

BIDDER'S COMPANY: SGM Engineering, Inc.

AUTHORIZED COMPANY PERSON: Tony Shahnami _____ 2/26/2014

NAME SIGNATURE DATE

Continuing Contracts are sensitive in nature and require a rapid response. Additionally, Continuing Contracts typically require the consultant to perform impromptu site visits, attend emergency meetings, and troubleshoot issues within the hour -- it would be very difficult for a firm that is not local to respond immediately. SGM Engineering has a staffed office, located at 700 Hillsboro Blvd., Building 3, Suite 212, in Deerfield Beach, Florida. Our proposed Project Manager, Dave McGowan, manages and works out of our Deerfield Beach office. Dave is a resident of Wellington, FL (in Broward County) and will act as the City of Fort Lauderdale's Point of Contact. SGM also has an office in Orlando Florida and is able to provide additional support, if necessary.

Our office is located just 16.93 miles (21 minutes) away from the City of Fort Lauderdale's Procurement Services Division. Our staff is readily available for an emergency site visit, telephone/video conferencing, and email communication. Additionally, the City's staff has the ability to be in continuous communication with SGM's lead personnel/Project Managers to obtain a prompt response to questions and concerns; we are available 24 hours a day through the use of smart phones equipped with email access and the ability to upload and edit documents.

SGM Engineering, Inc. will not be involved in a Joint Venture for this submittal.

SGM Engineering, Inc. will be providing all services for the Continuing Contract for Mechanical Electrical Plumbing (MEP) Engineering Services for the City of Fort Lauderdale. Currently SGM does not intend to utilize subcontractors on this contract. Should scope of services arise out of the contract that require an professional service outside SGM's professional capabilities we will look to utilize Sub Consultants with Local Business Preference within the City of Fort Lauderdale who maintain the necessary certifications to complete the tasks.

NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME	RELATIONSHIPS
None	None

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

Tony Shahbazi