

RLI #E-11-18

CONTINUING CONTRACT FOR ELECTRICAL ENGINEERING SERVICES



Florida's Warmest Welcome



SGM Engineering, Inc.

1 East Broward Blvd. Suite 1503 Fort Lauderdale, FL 33301

Tel: (954) 421-1944 | Fax: (954) 421-1924

Contact: Tony Shahnami

SGM 
ENGINEERING
MEP CONSULTING ENGINEERS
& COMMISSIONING SERVICES

February 27th, 2018

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February 27, 2018

The City of Pompano Beach, Purchasing Office
1190 NE 3rd Avenue, Building C
Pompano Beach, FL 33060

Dear Members of the Selection Committee,

SGM Engineering, Inc. is pleased to present our qualifications for the **City of Pompano Beach's RLI No. E-11-18 Continuing Contract for Electrical Engineering Services.**

SGM Engineering Inc, is a SBA Self Certified Small Disadvantaged Business, graduate 8(a) and Certified MBE founded and incorporated in the state of Florida in 1991. Our business approach is to review, evaluate, design, and recommend the safest, most efficient, and cost-effective methods possible for all of our clients and the projects we undertake. We provide the highest quality design construction documents, cost estimates, construction administration, and coordination efforts with construction managers and owner's representatives, guaranteeing high professional standards and timely executions of every project. Today, we possess 27 years of experience with continuing contracts providing maintenance, remodeling, renovation, and construction of mechanical, electrical, plumbing, and fire protection systems. We specialize in local government facilities, particularly in regards to HVAC and plumbing, lighting, fire protection, construction administration, and QA/QC.



WHY CHOOSE SGM AS YOUR ENGINEER?

- 27 years experience with municipal clients
- Over 100 years of collective field experience

"SGM employs highly qualified personnel with strong communication skills and the propensity for truly wanting to help a project succeed"

- Craig Schneider,
Project Manager,
The Whiting-Turner
Contracting Company

SGM currently holding over 12 continuous service master agreement contracts, Our staff are highly experienced in managing multiple projects with multiple disciplines. Our success has been focused on essential key items such as:

1. Manage design and construction phasing in occupied facilities with safety and security as #1 priority.
2. Minimize the impact to facility operation while construction takes place.
3. Meet the budget and schedule.
4. Rapid response, especially relating to unforeseen conditions.

We are confident that you will find our team to be knowledgeable and experienced, just as our track record has proven over the past 27 years. SGM supports the best interests of the City by ensuring that projects will be completed energy-efficiently, on time, within budget, and considering the safety

of City residents and staff. More than 90% of our workload is contracted through repeat clients just like the City of Pompano Beach, proving our dedication to meeting and exceeding the Owner's Project Requirements. Having extensive experience in the field, specifically in the sector of municipalities, we have formed a deep understanding of the complex factors that contribute to the success of a project. We understand the sensitive nature of working on an occupied campus, the necessity for safety and advanced planning, and the importance of construction phasing to accommodate the City's schedule.

Our Electrical Engineering Team

SGM's Electrical Engineers are skilled in the design of medium and low-voltage AC power systems, ARC FLASH, uninterruptable power systems, computer power conditioning, grounding, lightning protection, lighting, emergency power, hazardous area electrical installations, control and monitoring systems, security installation to mass public densities, CCTV, CATV, fire alarm and detection systems.

Ability to take on Additional Work- We have evaluated our current workload over the time frame of this contract and determined that we have the resources to immediately begin work on these assignments. Our team monitors our workloads on a monthly basis, providing ample time to review project statuses and adjust workloads as needed. By monitoring and projecting workloads from six to twelve months, SGM is always able to maintain an adequate workforce for every project without taxing our staff.

Safety and Security- The staff members assigned to this project are already cleared through FDLE background checks and E-verification. SGM is a drug free workplace and has a policy in place for drug and alcohol testing verification.

We greatly appreciate your time and consideration, and we look forward to hearing back from the City of Pompano Beach in the upcoming weeks.

Sincerely,



Tony Shahnami, PE, CxA, CES, CHS-III
President, SGM Engineering, Inc.

Corporate Name: SGM Engineering, Inc.

Federal Tax ID: 59-3101052

Address: 1 East Broward Blvd. Suite 1503 Fort Lauderdale, FL 33301

Tel: (954) 421-1944

Fax: (954) 421-1924

Point of Contact: Tony Shahnami, PE, CxA, CES, CHS-III

President, SGM Engineering, Inc.

tony@sgmengineering.com

TECHNICAL APPROACH

Electrical Engineering Specialized Skills

SGM's Electrical Engineers are skilled in the design of medium and low-voltage AC power systems; uninterruptible power systems; computer power conditioning; grounding; lightning protection; lighting; emergency power; hazardous area electrical installations; and control and monitoring systems. Our engineers have also worked on projects that utilized electrical system designs such as security installation to mass public densities; CCTV; CATV; fire alarm and detection systems; voice evacuation; cable tray systems; communications systems; communications premise wiring; electronic security systems (ESS); and intercom systems designed and installed per national and local codes.

Additionally, SGM's electrical engineers have experience with implementing provisions established by the Anti-Terrorist Force Protection Act to both new and existing buildings. Unique operations often require secure communication channels, and the skills of our BICSI RCDD credentialed professionals allow them to meet that demand. SGM's designs are crafted with flexibility for growth in mind, utilizing cutting edge technology while facilitating the integration of future technological upgrades. Specialized applications have included integrated security; audio/visual presentation; voice/video/data distribution; public address/sound; intercom; CCTV; broadband distribution; and video tele-presence.

Design Review: SGM employs a tried and true methodology by which it may ensure its clients receive only the most professional and quality services. Known in-house as the Design Quality Management Plan, this approach establishes excellence as the driving force in all phases of SGM operations from conception to construction completion. Our goal is to provide only high-quality services to the City of Pompano Beach, free of errors and omissions, delivered on time and on budget. To this end, we have established a company-wide methodology, whereby the appropriate people make the correct decisions, based upon asking the right questions at the right time.

Cost Control: SGM's process allows the Project Manager to manage and focus design efforts to achieve the budgeted cost of construction and eliminate late project completions. During project execution, he monitors all project execution costs, including sub-consultants on a weekly basis. We negotiate a reasonable schedule up-front, then subject that schedule to review periodically, working with the Task Order Manager to manage the resources necessary to get the project completed when the client needs it. If at any point in the design process we estimate the actual construction cost exceeds the construction cost set forth by the District, or if the team "feels" that the project cost is escalating, SGM's Project Manager will immediately advise the City of Pompano Beach's Project Manager and proceed to modify the scope, materials, or construction method as required to reduce the estimated construction cost to an amount within the available project funds. Alternatively, the decision may be made to proceed with preparing the plans and specifications with one or more options as approved by the Project Manager.

Life Cycle Cost Analysis: SGM will conduct analysis providing life cycle costing, energy conservation, first cost premiums, and pay back periods with energy design and modeling analyses. This will allow the City to make informed decisions and optimize the financial resources of the project. It is our priority to provide the City of Pompano Beach with the most accurate, dependable, and flexible designs to meet each unique application.

Construction Scheduling: Once the preliminary engineering phase has been completed, preparation of the final construction plans will begin. This will consist of preparing plan sheets, detail sheets, and other drawings and specifications necessary to produce a constructible set of construction documents. Upon the approval from the City of Pompano Beach, SGM Engineering will proceed with 30%, 60%, 90%, & 100% review design (unless directed otherwise) by the City's Staff, coordinate the review process with the City's Staff and implement the comments as needed. Construction scheduling is the key to a successful completion. During the plans production phase, SGM will keep the City of Pompano Beach's Project Manager informed as to the status of the design and plans by telephone conversation or email.

Change Order Negotiation: SGM will not accept any change order from the Contractor(s) unless it is directed and approved by Owner. All unforeseen conditions will be reviewed and approved by Owner prior to commencement.

Claims Management: SGM has never been involved in any lawsuit against SGM for design errors or omissions.

CADD Capabilities: SGM is using Revit-BIM model, however, if the City desires to use AutoCADD, SGM will provide those services as well.

Constructability Analysis: SGM has successfully completed over 25+ MEP continuing service contracts similar to this type of contract. The approach we utilize for a specific project and for a continuing service contract such as this is an integral part of our Design Quality Management Plan. SGM's management plan establishes the methodology to ensure that quality is the driving force in the phases of all operations of SGM and particularly on a continuing service contract as this one. Our end goal is to provide only the highest quality services to City of Pompano Beach, free of errors and omissions, delivered on time and on budget. To achieve this, we have established a company-wide methodology whereby the appropriate people make the correct decisions, based upon asking the right questions at the right time.

The steps in this approach are as follows:

Project Kick-Off: The initial project activity will include a project kick-off meeting with the City of Pompano Beach and our team of consultants. SGM will coordinate and maintain thorough communication with the City of Pompano Beach's Representative. We will listen and understand the scope of services.

Define the Project: For these contracts, the first step is to define each project and prepare a scope of services and fee proposal. SGM will then review the available information related to the project, visit the site, discuss the issues associated with the project with the City of Pompano Beach's Project Manager, and identify the project issues, needs, and constraints.

Scope, Schedule, and Contract Documents: Based on our review of the available information, an identification of the issues, needs, and constraints, we will prepare a detailed written project approach or scope of services, and schedule. Once the scope and schedule have been reviewed and approved by

the City of Pompano Beach, Purchasing will prepare the work order for the project.

Data Collection: This process is to gather the available existing information such as existing construction plans (as-builts), right of way maps, utility location maps, wastewater flow data, topographic information, existing and future development information, engineering data (architectural, mechanical, electrical, utility lines) soils data, a list of affected City of Pompano Beach departments and individuals, and other data as the specific project may dictate.

Permitting:

SGM will be responsible for Project Permitting. This will include responding to any comments issued by the Building Permitting Department, such as the City of Pompano Beach, DEP, EPA, and AHJ. It is important for the City of Pompano Beach to have permits in-hand prior to the bidding of a project in order to avoid contractor delays or unauthorized work.

Project Closeout:

Coordination with the City of Pompano Beach's PM throughout the course of the Project. SGM can provide a full range of construction administration services. Our role will not involve instructing or directing the Contractor as to the means or methods of his construction techniques, but will involve enough supervision to ensure that the Contractor completes the project in reasonable conformity with the plans and specifications. Our experience in following tasks has made us a successful firm to protect the client's best interest in terms of completion on time and within budget, such as:

- Responding to the City of Pompano Beach's permitting department, building inspector, fire rescue / fire marshal in a timely manner to make sure that required data/ & information are given in a timely manner without any delay
- Reviewing and responding to submittals, shop drawings, and any RFIs in a timely manner
- On-site inspections by our engineers to make sure that all projects have been constructed per construction documents, Florida Building Code and AHJ
- All the warranty booklets, owner's manuals, as-build drawings and final close-out documents will be done on schedule.

PROJECT TEAM

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.

PROJECT TEAM

RLI NUMBER E-11-18

Federal I.D.# 59-3101052

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Tony Shahnami, PE, CxA, CES, CHS-III	35	University of Miami, BS in Mex
Project Manager	Manuel Hernandez, PE	9	University of Puerto Rico, BS i
Asst. Project Manager	Justin Mundell, PE, RCDD	16	University of Central Florida, E
Other Key Member	Mark Escott, PE, CxA, LEED AP	27	University of South Florida, BS
Other Key Member	Scott Daily	23	Naval Nuclear Field Electronic

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	N/A	
Landscaping		
Engineering		
Other Key Member		
Other Key Member		
Other Key Member		
Other Key Member		

(use attachments if necessary)

PROJECT TEAM

(ATTACHMENT)

RLI Number: E-11-18

PRIMEFederal I.D.# 59-3101052

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-in-Charge	Tony Shahnami, PE, CxA, CES, CHS-III	35	University of Miami, BS in Mechanical Engineering
Project Manager	Manuel Hernandez, PE	9	University of Puerto Rico, BS in Electrical Engineering
Assistant Project Manager	Justin Mundell, PE, RCDD	16	University of Central Florida, BS in Electrical Engineering
Senior Electrical Engineer	Mark Escott, PE, CxA, LEED	27	University of South Florida, BS in Electrical Engineering
Electrical Designer	Scott Daily	23	Naval Nuclear Field Electronics Technician "A" School
Electrical Designer	Roger Latham	25	Lincoln Land Community College
Electrical Designer	Tom Walters	34	Robert Morris University, BS in Business Administration
Electrical Designer	John Bonotto	30	University of South Florida, BS in Electrical Engineering
QA/QC Manager	Victor Goykhman	41	Polytechnic University, BS in Electrical Engineering



DAYTONA
STATE COLLEGE



PRINCIPAL IN CHARGE

Tony Shahnami, PE, CxA, CES, CHS-III



PROJECT MANAGER

Manuel Hernandez, PE



ASSISTANT PROJECT MANAGER

Justin Mundell, PE, RCDD



SENIOR ELECTRICAL ENGINEER

Mark Escott, PE, CxA, LEED



ELECTRICAL DESIGNER

Scott Daily



ELECTRICAL DESIGNER

Roger Latham



ELECTRICAL DESIGNER

Tom Walters



ELECTRICAL DESIGNER

John Bonotto



QA/QC MANAGER

Victor Goykhman

ADDITIONAL MECHANICAL STAFF

27

ADDITIONAL ELECTRICAL STAFF

7

**ADDITIONAL PLUMBING/FIRE
PROTECTION STAFF**

8

STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM

SGM has successfully completed over 25+ MEP continuing service contracts similar to this type of contract. The approach we utilize for a specific project and for a continuing service contract such as this is an integral part of our Design Quality Management Plan. SGM's management plan establishes the methodology to ensure that quality is the driving force in the phases of all operations of SGM and particularly on a continuing service contract as this one. Our end goal is to provide only the highest quality services to City of Pompano Beach, free of errors and omissions, delivered on time and on budget. To achieve this, we have established a company-wide methodology whereby the appropriate people make the correct decisions, based upon asking the right questions at the right time. The steps in this approach are as follows:

Design and Planning Services: SGM provides the following services:

- **Electrical** - Service and distribution, branch circuiting and devices, lighting (normal and emergency), exterior and site lighting, lighting control systems, lightning protection, grounding systems, surge protection, generators and coordination with FP&L
- Mechanical – life cycle cost analysis, heating/ventilation/air conditioning systems (chilled water, DX), humidity control, energy management systems, central energy plants, building automation controls, building commissioning, sustainable design; SGM will make sure the design processes are applicable to Building Department Local Codes and coordinate with Plans Review Department as needed
- Plumbing - Sanitary, Waste and Vent, domestic hot and cold water, storm drainage, gas
- Fire Protection - Wet and dry pipe systems, standpipe systems, fire pump design, pre-action systems, FM200, deluge
- Systems - Cable Television (CATV), Closed Circuit Television (CCTV), fire alarm and mass notification, voice/data and premise distribution, security, access control, intercom, audio/video systems
- Architectural - Design, planning, 3D Rendering, Real estate development, space utilization
- Other Studies and Related Services include: undertaking of any reviews, studies or investigations; planning services, site selection services, relocation services, document processing, testing services, professional experts at hearings, and photographs. Design considerations include landscaping, architectural hardware, architectural evaluations, electronic and communications systems, force protection, and electronic communications.

Electrical Engineering Experience

SGM's electrical engineers are skilled in the design of medium and low voltage AC power systems, uninterruptible power systems, computer power conditioning, grounding, lightning protection, lighting, emergency power, hazardous area electrical installations, and control and monitoring systems. We design simple and complex electrical systems to meet the needs of our clients including security installation to mass public densities, CCTV, CATV, fire alarms, detection systems, voice evacuation, cable tray systems, communications systems, communications premise wiring, Electronic Security Systems (ESS), and intercom systems designed and installed per national and local codes. SGM even has previous project experience associated with the "Anti-Terrorist Force Protection Act," which we have successfully applied to new and existing buildings.

Building Electrical Systems Design

All SGM electrical engineers and designers have a background in electrical construction and use their hands on knowledge to design electrical systems that are buildable. This knowledge of electrical construction helps to facilitate designs that are understandable from the electrical contractor's point of view. This understanding typically will foster a better and more accurate pricing and fewer clarifications and changes during the construction process.

The techniques and tasks provided for each electrical design of new and existing facilities include:

- Design of electrical power systems
- Investigating electrical systems
- Verifying As-Built Drawings including circuit tracing
- Evaluation and planning of work to be completed per diem
- Inspection of electrical work for compliance with drawings, specifications, photometrics, and grounding
- Troubleshooting existing electrical installations
- Power Distribution
- Calculating and selecting circuit interrupting devices along with fault current interrupting capability
- Short Circuit Analysis
- Calculating and selecting conductor ampacity and insulation types
- Calculation of voltage drop for feeders and customer owned service conductors
- Circuitry of outlets, equipment, and devices
- Load Computations
- Grounding and bonding measurements
- Design of emergency and standby power systems
- Determining light fixture performance specifications and arrangements in accordance with IES recommendations
- Provided design of emergency lighting, egress lighting, security, parking, site, walkway, and exit lighting
- Provided design of lighting control and circuiting

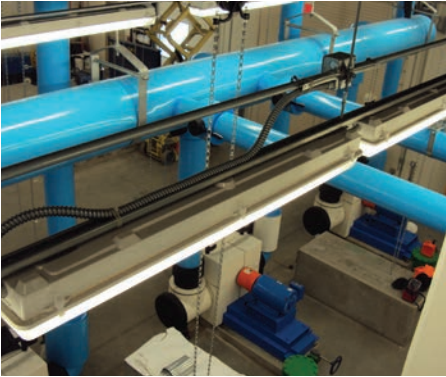


- Calculated W/sq ft values to determine compliance with the Florida Energy Code for Building Construction
- Calculation of photometric values
- Design of Communication Systems (CATV, Voice/Data, Intercom)
- Design of Alarm (including fire alarm) systems
- Design of lightning protection systems
- Design of Instrumentation and control systems
- Design of grounding systems

Our Staff

Our staff consists of over 40 knowledgeable project managers, engineers, designers, and CAD technicians that complete their projects on-time and within budget. SGM currently has 8 ACG Certified Commissioning Agents, 4 LEED Accredited Professionals, and 9 Professional Engineers, all committed to providing quality services from early in the design phase through construction and into the warranty period. These field experts will be available immediately for your projects, backed by a support staff that can easily assist the team to simultaneously handle multiple projects

SGM will also identify cost saving opportunities and energy saving control schemes. We will provide a preliminary cost estimate, life cycle analysis; a report identifying the deficiencies found and recommends a written solution to the City of Pompano Beach for review and approval.



BROWARD COLLEGE SATELLITE CHILLER PLANT

BROWARD COLLEGE



Location.....Weston, FL
Construction Cost.....\$6 Million
Project Size.....7,500 SQFT
Completion Date.....2016
Contact Person.....Deborah Czubkow, (954) 201-6900

Scope: SGM was awarded the design of a new Satellite Chiller Plant at Broward College's South Campus as the prime contractor. This new Satellite Chiller Plant included the design of a primary-secondary chilled water plant of approximately 7,500 square feet which ties into the existing campus loop to operate in parallel with the existing main chiller plant. The plant design incorporated the use of two 750-ton water-cooled chillers with expandable bays available to install future chillers, cooling towers, and pumps.

The design accommodated for future expansion build-out of up to 4,500 tons, which includes header pipe sizes, cooling towers water make-up, and electrical service to accommodate for the anticipated future load. It also included water distribution pipe for the new science building, aviation building, and bookstore with provisions to extend to other facilities creating a chilled water loop distribution system campus wide. Sustainable features included the use of domestic water well to provide make-up water for the cooling towers, as well as energy efficient chillers, cooling towers, and pumps.

Team: Tony Shahnami, PE, CxA, CES, CHS-III, Manuel Hernandez, PE, Justin Mundell PE, RCDD, Victor Goykhman



FAU HOUSING RENOVATION

FLORIDA ATLANTIC UNIVERSITY



Location.....	Boca Raton, FL
Construction Cost.....	\$133,000
Project Size.....	NA
Completion Date.....	2017
Contact Person.....	Azita Dotiwala, (561) 297-0425

Scope: SGM is acting as the owner's representative overseeing design and construction of a new CEP and renovation of three student housing buildings to completion.

Team: Tony Shahnami, PE, CxA, CES, CHS-III, Manuel Hernandez, PE Justin Mundell PE, RCDD



FIU SATELLITE CHILLER PLANT

FLORIDA INTERNATIONAL UNIVERSITY



Location.....Miami, FL
Construction Cost.....\$7.1 million
Project Size.....16,000
Completion Date.....2013
Contact Person.....Danny Paan, (305) 348-4005

Scope: SGM was the prime consultant and MEP/FP Engineer of Record responsible for site investigation, concept design, final design, and construction phase services for a new satellite utility plant on the Florida International University (FIU) main campus. FIU was required to supplement its existing chilled water generation operations with an additional chiller plant to consolidate power for the growing research facilities and Academic Health Center totaling 1,250,000 SF. SGM was also responsible for other subconsultants such as architectural, structural, civil, geotech, cost estimating, and commissioning design services. SGM was responsible for obtaining all the permits required for the project including state fire marshal, water management district, water permit, local building code official, and power company. The project was completed 25 days ahead of schedule and lower than the original budget.

At 16,000 SF, this plant is currently the largest standalone central energy plant in the State University System. The project was designed with two 1500 ton water-cooled chillers, two 1500 ton cooling towers, three variable frequency drive secondary chilled water pumps, three variable speed condenser water pumps, refrigeration monitoring system, and a complete web-based BACnet energy management system (EMS). The building was designed to accommodate two 1.5 MW emergency generators for 100% back-up in case of power outages due to unforeseen situations. SGM also assisted FIU's purchasing department to develop Owner Direct Purchase (ODP) for two chillers and cooling towers. The cooling towers were built on the roof surrounded with a combination of tilt-up walls and signature design louvers.

Team: Tony Shahnami, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Tom Walters, John Bonotto, Scott Daily, Victor Goykhman



FREEDOM TOWER HVAC RENOVATION

MIAMI DADE COLLEGE



Location.....Miami, FL
Construction Cost.....\$1.8 Million
Project Size.....NA
Completion Date.....2017
Contact Person.....Saeed Fatemian, (305) 237-0514

Scope: Constructed in 1925 as a home for The Miami News, the Freedom Tower was modeled after the bell tower of the Cathedral of Seville, remaining one of South Florida's most distinctive historic buildings. The Freedom Tower is located on Miami Dade College's (MDC) Wolfson Campus. As part of a MEP Engineering Continuing Contract with MDC, SGM was commissioned to renovate portions of the building's existing HVAC system while ensuring the structure and humidity control was intact during construction due to the history/artwork within the Freedom Tower. During investigations, SGM recognized the critical nature of the building's artwork and recommended the design incorporated two chillers to provide a redundant system to maintain humidity control to portions of the building during times of emergencies and required equipment maintenance.

Scope of services included:

- Deficiency report to identify code deficiencies.
- Life cycle cost analysis of chiller selections.
- Two roof-mounted, air-cooled chillers.
- Replaced AHU's.
- Upgraded electrical system.
- Reprogrammed controls to satisfy new sequence of operation.

Team: Tony Shahnami, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Victor Goykhman



PALM BEACH STATE COLLEGE NOC-HVAC REPLACEMENT

PALM BEACH STATE COLLEGE



Location.....	Lake Worth, FL
Construction Cost.....	\$125,000 (est)
Project Size.....	N/A
Completion Date.....	2017
Contact Person.....	Kirk Stetson, (954) 201-6900, stetsonk@palmbeachstate.edu

Scope: Project consisted of evaluating the existing Liebert 2nd tier backup HVAC system for the ever-changing NOC – District Network Operations Center for Computer and Telephone communications systems. SGM provided MEP-FP Analysis of CRAC unit and feasibility study. After a report was issued, a design for new system to replace the existing Liebert system was made.

SGM provided;

- Provided MEP design and specifications to replace existing Liebert CRAC unit
- New unit shall connect to campus wide controls system
- Provided CA services as required
- Attended Design review meetings at all levels of submission
- Attended construction meetings as required

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Mark Escott PE, LEED AP, CxA Victor Goykhman



ORANGE COUNTY COURTHOUSE COMPLEX

ORANGE COUNTY GOVERNMENT



Location.....Orlando, FL
 Construction Cost.....\$7 Million
 Project Size.....1,127,200
 Completion Date.....2016
 Contact Person.....Sam Shine, (407) 836-0037

Scope: As the prime consultant, SGM Engineering provided Project Management; Mechanical, Electrical and Plumbing Engineering; subcontractor management and construction administration services for a highly complex mechanical and fire protection upgrade to the Ninth Judicial Orange County Courthouse. SGM provided upgrades to five facilities totaling over 1 million square feet including: Building "A" (110,300SF), Building "B" (110,300SF), Building "C" (965,000SF / 25 floors), the Courthouse Central Energy Plant (41,600SF), and the Court-house Parking Garage (8 levels with 1500 car capacity). This project entails MEP tasks that are highly difficult and required a team of Professional Engineers, Building Energy Model Professionals, LEED Accredited Professionals, and ACG Certified Commissioning Agents. Scope of services included:

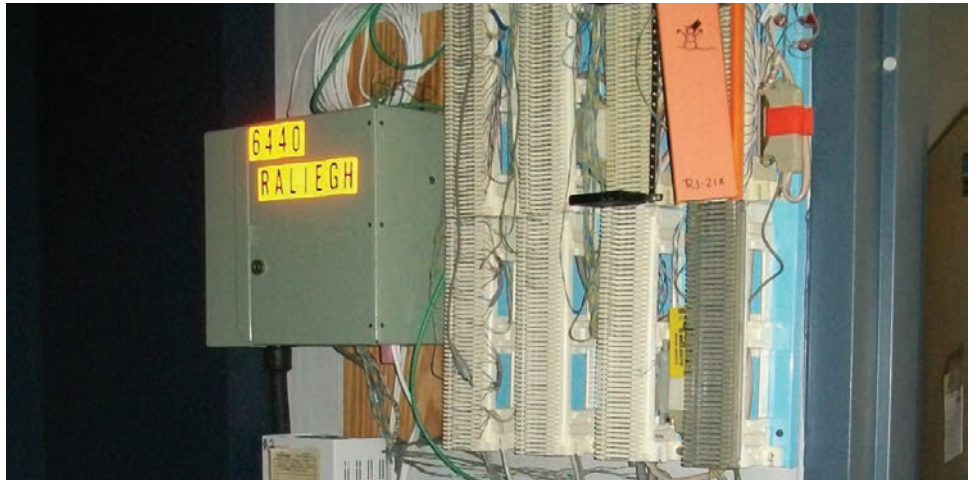
- Smoke Control System Upgrade – The conversion of the existing non-dedicated smoke control system for Building "C" to a dedicated smoke control system controlled by the fire alarm and smoke control system
- Building Automation and Control System Upgrade – Upgraded to a state-of-the-art BAS control system for all buildings and the CEP
- Fire Alarm System Upgrade – The existing system at the Court-house complex was a network of fire alarm systems throughout all of the buildings; SGM designed a single fire alarm system to control the dedicated smoke system in Building "C", with Building "A" and "B" having upgrades to their fire alarm systems as well
- Fan Powered VAV Terminal Units Replacement – Replaced all existing fan powered VAV terminal units with electric heat in Buildings A, B, C, and the CEP

Team: Tony Shahnami, PE, CxA, CES, CHS-III, Mark Escott, PE, CxA, LEED AP, PE, Manuel Hernandez PE, Victor Goykhman



ORLANDO POLICE DEPARTMENT METROWEST SUBSTATION CONVERSION

CITY OF ORLANDO



Location.....Orlando, FL
Construction Cost.....\$400,000
Project Size.....3,000 SF
Completion Date.....2014
Contact Person.....Robert High, (407) 422-8171

Scope: SGM provided mechanical, electrical, plumbing, fire protection, and life safety services for the design build of this Orlando Police Department Substation Build-Out, located in Metrowest, Orlando. This project, performed under a continuing contract, involved an existing single-story bank structure of approximately 3,000-SF of floor space and 21 parking spaces. The existing structure had two intermediate structural columns which could not be modified; the remainder of the roof structure was supported by the perimeter walls.

Scope included:

- Bullet proof entry using the existing building's teller glass
- Lounge area near front entrance for public
- Exit door on back exterior wall
- Receptionist area protected by bullet proof glass
- Briefing room
- Conference room for minimum of 20 people
- Lockers in/near restrooms
- Wireless service throughout building
- Back-up power for a minimum of 24 hours
- Coordinated with city staff for I.T. feeds

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Victor Goykhman



ORANGE COUNTY DATA CENTER

ORANGE COUNTY



Location.....Orlando, FL
 Construction Cost.....\$5 Million
 Project Size.....N/A
 Completion Date.....2015
 Contact Person.....John Ribar, (407) 245-3660

Scope: SGM provided upgrades to the following systems: 1,500 kW outdoor, weather-proof generator, base-mounted fuel tank, and foundation with an automatic transfer switch; automatic transfer switchgear, distribution, etc. to increase redundancy; a second OUC utility transformer and feed to the automatic switchgear; and power distribution units and feeds to critical server tracks.

Cost of Project: Construction Cost \$5 Million, Design Costs \$78,560, Consulting Fees \$78,560

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Justin Mundell PE, RCDD, Victor Goykhman



BACKUP DATA CENTER DESIGN-BUILD

CENTRAL FLORIDA EXPRESSWAY AUTHORITY



Location.....Orlando, FL
 Construction Cost.....\$1.2 Million
 Project Size.....1,500 SF
 Completion Date.....2016
 Contact Person.....Steve Corrow, (407) 628-4353

Scope: SGM was the A/E Project Manager and Engineer of Record for a design-build, backup data center for the Central Florida Expressway Authority in Orlando, FL. The services provided included the design and construction of a backup data center consisting of a computer room to house redundant computer hardware for toll operations and ITS. The facility has two 150kW natural gas generators for full redundancy, two 120kVA UPS's, two computer room air conditioners (CRAC), an FM200 fire protection system, and hot aisle containment system; Facility security included a Lenel access control and CCTV system. The site telecommunications include the Central Florida Expressway network along with AT&T. The new center was constructed at the site of the Hiawasse Mainline Toll Plaza. SGM was responsible for managing the Architect, Structural, and Civil Engineer as sub-consultants.

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Victor Goykhman



FIRE STATION #84

HVAC REPLACEMENT

ORANGE COUNTY GOVERNMENT



Location.....	Christmas, FL
Construction Cost.....	\$225,000
Project Size.....	N/A
Completion Date.....	2015
Contact Person.....	Sam Shine, (407) 836-0037

Scope: Fire Station #84 is a typical Orange County Fire Station, consisting of apparatus bays, sleeping quarters, offices, restrooms, locker rooms, kitchen, and a specialty room. In addition to standard spaces, Fire Station #84 also contains a Decon Room, outdoor storage, gear storage, EMS storage, and a systems room.

SGM was hired to provide commissioning during design, installation, testing and occupancy phases to ensure the new HVAC system worked efficiently and followed the design intent. Our team commissioned two 5-ton Carrier infinity heat pumps with scroll compressors. Additionally, we modified the sequence of operation to meet the design criteria.

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Justin Mundell PE, RCDD, Victor Goykhman



SHERIFF'S COMPLEX PHOTOVOLTAIC SYSTEM

ORANGE COUNTY GOVERNMENT



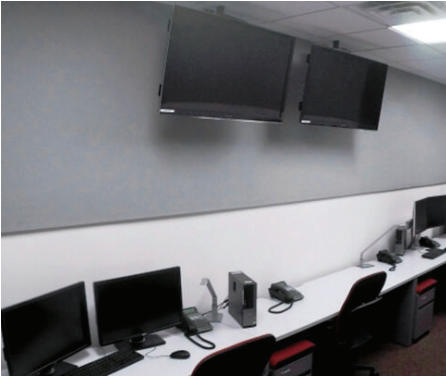
Location.....Orlando, FL
 Construction Cost.....\$40,000
 Project Size.....4,000SF
 Completion Date.....2012
 Contact Person.....AJ Murray,
 (407) 836-0057, AJ.Murray@ocfl.net

Scope: The scope of this project was to provide a 37kilowatt, roof-mounted photovoltaic system mounted above the covered parking area of the Orange County Sherriff's Complex. The system consisted of 162 photovoltaic modules, 3 inverters, and all feeders, disconnect switches, meters, etc. This grid-tied system was separately metered and coordinated with the Orlando Utilities Commission in order to manage power generation and rebate benefits.

The Photovoltaic System included both exterior and interior alterations. The work specifically included the implementation of a New Photovoltaic Power System with the placement of Photovoltaic Panels (and their support assembly) onto the existing roof structure of the pre-manufactured Metal Open-Air Canopy with standing Seam roof structure over the current specialty Vehicle Parking Area abutting the northeastern corner of the existing complex. The upgrade provided auxiliary power for the charging of Orange County vehicles and supplemented the building's electrical power system.

This project was funded through ARRA – EECBG funds This system produces an annual energy value of \$7,427.81.

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Mark Escott, PE, CxA, LEED AP, Scott Daily, Victor Goykhman



PUBLIC SAFETY INFORMATION MANAGEMENT CENTER

CITY OF BOCA RATON



Location.....Boca Raton, FL
 Construction Cost.....\$3.5 million
 Project Size.....13,500SF
 Completion Date.....2016
 Contact Person.....Jim Burke, (561) 338-1234

Scope: As the MEP/FP Engineer of Record, SGM is providing design and construction administration for a 13,500 SF build-out of interior space, accommodating the Boca Raton Police Department Communications Dispatch and Crime Analyst functions. This program was installed in an existing hardened facility, which housed the police and fire department training functions for the city.

Team: Tony Shahnam, PE, CxA, CES, CHS-III, Manuel Hernandez PE, Justin Mundell PE, RCDD, Tom Walters, John Bonotto



TONY SHAHNAMI, PE, CXA, CES, CHS-III

PRINCIPAL IN CHARGE

Total Years' Experience: 36

Years with SGM: 26

Education: BS in Mechanical Engineering, University of Miami

Registrations: Professional Engineer, Mechanical #41204, ACG Certified Commissioning Authority

Role at SGM: President

1

In 2013, Mr. Shahnami oversaw the Hollywood Public Safety Facility enhanced MEP commissioning for the city of Miami Beach. (below)



2

SGM designed a new electrical service for Flagler County Courthouse Annex Sheriff's Department, completed 2012. (above)

3

SGM provided MEP services for Riviera Beach City Hall HVAC Replacement with a project cost of \$325,000. (below)



ADDITIONAL PROJECT EXPERIENCE

Main Library Retro-Commissioning and Design Improvements | City of Jacksonville | Completed 2014

Fire and Rescue Station #35 LEED Enhanced Commissioning | City of Orlando | Completed 2010

FIU Engineering Building Generator Replacement | Florida International University | Completed 2012

Broward College North Campus IT Room HVAC Upgrades | Broward College | Completed 2017

Palm Beach State College NOC-HVAC Replacement | Palm Beach State College | On-going

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
20%	22%	23%	24%	24%	25%	26%	26%	27%	27%	27%	28%	30%



MANUEL HERNANDEZ, PE PROJECT MANAGER

Total Years' Experience: 9

Years with SGM: 2

Education: Bachelors of Electrical Engineering, University of Puerto Rico

Registrations: FL #74989 Electrical

Role at SGM: Electrical Engineer

1

As Electrical Project Engineer Mr. Hernandez oversaw the City of Boca Raton Public Safety Information Management Center. (below)



2

In 2016, SGM Engineering provided professional mechanical and electrical engineering services for Hollywood Beach Community Center. (above)

3

As part of a continuing contract with the Florida Department of Management Services, SGM Engineering was tasked with providing electrical engineering services for Dimick Building Fire Alarm Replacement with a cost of \$155,000. (below)



ADDITIONAL PROJECT EXPERIENCE

Public Safety and Public Works Conversion | City of Riviera Beach | Completed 2016

Osceola County Library Renovations | Osceola County | Completed 2016

FIU Mary Ann Wolfe Auditorium Renovation | FIU Mary Ann Wolfe Auditorium Renovation | Completed 2015

Broward College Art Display Building HVAC Upgrade | Broward College- South Campus | Completed 2014

Miami Dade College School of Justice Tactical Training Facility | Miami Dade College | Completed 2017

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
27%	29%	31%	31%	32%	33%	34%	37%	37%	37%	39%	39%	40%



JUSTIN MUNDELL, PE, RCDD

ASSISTANT PROJECT MANAGER

Total Years' Experience: 16

Years with SGM: 11

Education: BS in Electrical Engineering, University of Central Florida

Registrations: FL #70700- Electrical, Registered Communications

Distribution Designer

Role at SGM: Electrical Department Manager

1

In 2012, Mr. Mundell served as an electrical engineer for Town of Palm Beach Street Lighting, with a cost of \$125,000. (below)



2

Justin Mundell was on the SGM team for designing MEP systems for Orlando Police Department Metrowest Substation Build-Out with a project cost of \$400,000. (above)

3

As an Electrical Engineer, Mr. Mundell, was on SGM's team for the City of Boca Raton Public Safety Information Management Center. (below)



ADDITIONAL PROJECT EXPERIENCE

Orlando Science Center HVAC, Lighting, Power, Plumbing, & FP Asses. | City of Orlando | Completed 2011

Orange County Sheriff's Complex Photovoltaic System | Orange County | Completed 2012

Lake Claire Recreational Area | University of Central Florida | Completed 2011

Lake Whitney Elementary Design-Build Renovation | Orange County Public Schools (OCPS) | Completed 2013

Cooper City High School Classroom Building | School Board of Broward County | Completed 2014

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
29%	29%	31%	31%	32%	34%	36%	36%	36%	37%	38%	38%	38%



MARK ESCOTT, PE, CXA, LEED AP SENIOR ELECTRICAL ENGINEER

Total Years' Experience: 26

Years with SGM: 12

Education: BS in Electrical Engineering, University of South Florida

Registrations: Professional Engineer, Electrical #50737, ACG Certified Commissioning Authority, LEED Accredited Professional

Role at SGM: Senior Electrical Engineer

1

As Project Manager, Mr. Escott oversaw the design of provide a 37kilowatt, roof-mounted photovoltaic system for Orange County Sheriff's Complex Photovoltaic System, at provide a 37kilowatt, roof-mounted photovoltaic system. (below)



2

In 2013, Mr. Escott was the Project Manager for the City of Chipley Street/ Site Lighting with a cost of \$500,000. (above)

3

Mr. Escott was on the SGM team for designing MEP systems for Orlando Police Department Metrowest Substation Build-Out with a project cost of \$400,000.



ADDITIONAL PROJECT EXPERIENCE

Riviera Beach City Hall HVAC Replacement | City of Riviera Beach | Completed 2013
 Barnett Park Recreation Center | Orange County Government Parks and Recreation | Completed 2016
 FIU Engineering Building Generator Replacement | Florida International University | Completed 2012
 Broward College North Campus IT Room HVAC Upgrades | Broward College | Completed 2017
 Palm Beach State College NOC-HVAC Replacement | Palm Beach State College | On-going

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
27%	29%	31%	31%	32%	33%	34%	37%	37%	37%	39%	39%	40%



SCOTT DAILY

ELECTRICAL DESIGNER

Total Years' Experience: 23

Years with SGM: 12

Education: Naval Nuclear Field Electronics Technician "A" School

Registrations: Licensed Electrical Journeyman

Role at SGM: Electrical Designer

1

Mr. Daily was an electrical engineer for providing a 37kilowatt, roof-mounted photovoltaic system for Orange County Sheriff's Complex Photovoltaic System, at provide a 37kilowatt, roof-mounted photovoltaic system. (below)



2

SGM provided MEP Engineering for the Barnett Park Recreation Center completed 2016. (above)

3

Mr. Daily was an Electrical Engineer for Osceola County Sheriff's Department Fleet Management Center with a project cost of \$300,000. (below)



ADDITIONAL PROJECT EXPERIENCE

Engineering Generator Design | Florida International University (FIU) | Completed 2012

Hillsborough County Design Criteria Package Public Safety Operations Complex | Hillsborough County Government | Completed 2016

Indian River County Sheriff's Office CCTV and Access Controls | Indian River County Government | Completed 2014

FIU Satellite Chiller Plant | Florida International University (FIU) | Completed 2013

UCF Chiller Replacement #8 and #9 | University of Central Florida (UCF) | Completed 2008

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
20%	22%	23%	24%	24%	25%	26%	26%	27%	27%	27%	28%	33%



ROGER LATHAM

ELECTRICAL DESIGNER

Total Years' Experience: 25
 Years with SGM: 3
 Education: Lincoln Land Community College
 Role at SGM: Electrical Designer

1

As Lead Electrical Designer, Mr. Latham worked on Florida International University Lakeview Student Housing Kitchen Addition with a project cost of \$250,000. (below)



2

In 2016, Mr. Latham was the Lead Electrical Designer for the Florida International University Mastery Lab with a project cost of \$200,000. (above)

3

Mr. Latham performed electrical engineering for Pompano Beach Gym/Auditorium Lighting Renovations completed in 2016 at \$150,000. (below)



ADDITIONAL PROJECT EXPERIENCE

War Memorial Auditorium | Fort Lauderdale | Completed 2017
 Coral Park Elementary Design-Build HVAC Replacement | Coral Park | Completed 2015

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
27%	29%	31%	31%	32%	33%	34%	35%	37%	37%	39%	39%	39%



TOM WALTERS

ELECTRICAL DESIGNER

Total Years' Experience: 34

Years with SGM: 14

Education: BS in Business Administration, Robert Morris University

Role at SGM: Senior Electrical Engineer

1

As Electrical Designer Mr. Walters oversaw the City of Boca Raton Public Safety Information Management Center completed 2016. (below)



2

In 2013, Mr. Walters was an electrical designer for the City of Chipley Street/ Site Lighting with a cost of \$500,000. (above)

3

SGM provided MEP Engineering for the Barnett Park Recreation Center completed 2016. (below)



ADDITIONAL PROJECT EXPERIENCE

Dr. Phillips Center for the Performing Arts | Orange County Government | Completed 2015
 Coalition for the Homeless | Orange County Government/City of Orlando | Completed 2014
 Orange County Convention Center Variable Frequency Drive Controls and Energy Management | Orange County | Completed 2012
 Flagler County Courthouse Annex Sheriff's Department Renovations and Energy Efficient Upgrades | Flagler County Government | Completed 2012
 Orlando Police Department Metrowest Substation Build-Out | City of Orlando | Completed 2014

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
27%	29%	31%	31%	32%	33%	34%	37%	37%	37%	39%	39%	40%



JOHN BONOTTO

ELECTRICAL DESIGNER

Total Years' Experience: 30

Years with SGM: 2

Education: University of South Florida, BS in Electrical Engineering

Role at SGM: Electrical Project Manager

1

Mr. Bonotto served as SGM's Electrical Designer, was on SGM's team for the City of Boca Raton Public Safety Information Management Center. (below)



2

Mr. Bonotto was responsible for electrical engineering for the Town of Palm Beach Street Lighting completed 2012. (above)

3

Mr. Bonotto was on the SGM team for designing MEP systems for Orlando Police Department Metrowest Substation Build-Out with a project cost of \$400,000. (below)



ADDITIONAL PROJECT EXPERIENCE

Orlando Police Department Metrowest Substation Conversion | City of Orlando | Completed 2014

Orlando International Airport V-704 Terminal A Cooling Tower Replacement | Greater Orlando Aviation Authority (GOAA) | Completed 2015

FIU Satellite Chiller Plant | Florida International University (FIU) | Completed 2013

New Renaissance Middle School Solar Array | School Board of Broward County | Completed 2012

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
22%	22%	23%	23%	24%	27%	27%	27%	32%	28%	29%	29%	30%



VICTOR GOYKHMAN

QA/QC MANAGER

Total Years' Experience: 41

Years with SGM: 21

Education: Polytechnic University, BS in Electrical Engineering

Registrations: ACG Certified Commissioning Authority

Role at SGM: Vice President & QA/QC Manager

1

SGM provided a 37kilowatt, roof-mounted photovoltaic system for Orange County Sheriff's Complex Photovoltaic System, at provide a 37kilo-watt, roof-mounted photovol-taic system. (below)



2

In 2012, Mr. Goykhman was the QA/QC for Town of Palm Beach Street Lighting, with a cost of \$125,000. (above)

3

SGM provided MEP services for Riviera Beach City Hall HVAC Replacement with a project cost of \$325,000. (below)



ADDITIONAL PROJECT EXPERIENCE

Indian River County Sheriff's Office | Indian River County Government | Completed 2013
 Riviera Beach City Hall HVAC Replacement | Riviera Beach City Hall HVAC Replacement | Completed 2013
 Orange County Convention Center Variable Frequency Drive Controls and Energy Management | Orange County | Completed 2012
 Dr. Phillips Center for the Performing Arts | Orange County Government | Completed 2015
 Coalition for the Homeless | Orange County Government/City of Orlando | Completed 2014

PROJECTED AVAILABILITY

Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
30%	31%	31%	32%	32%	33%	34%	34%	34%	34%	35%	35%	35%

REFERENCES

Project Name: Broward College Satellite Chiller Plant

Date of Completion: 2016

Project Cost: \$6 Million

Project Owner: Broward College

Contact: Deborah Czubkowski-dczubkowski@broward.edu; (954) 201-6900

Scope of Services: SGM was awarded the design of a new Satellite Chiller Plant at Broward College's South Campus as the prime contractor. This new Satellite Chiller Plant included the design of a primary-secondary chilled water plant of approximately 7,500 square feet which ties into the existing campus loop to operate in parallel with the existing main chiller plant. The plant design incorporated the use of two 750-ton water-cooled chillers with expandable bays available to install future chillers, cooling towers, and pumps.

The design accommodated for future expansion build-out of up to 4,500 tons, which includes header pipe sizes, cooling towers water make-up, and electrical service to accommodate for the anticipated future load. It also included water distribution pipe for the new science building, aviation building, and bookstore with provisions to extend to other facilities creating a chilled water loop distribution system campus wide. Sustainable features included the use of domestic water well to provide make-up water for the cooling towers, as well as energy efficient chillers, cooling towers, and pumps.

[For more description on this project please refer back to Section 5](#)

Project Name: Freedom Tower HVAC Renovation

Date of Completion: 2017

Project Cost: \$1.8 Million

Project Owner: Miami Dade College

Contact: Saeed Fatemian- mfatemia@mdc.edu; (305) 237-0514;

Scope of Services: Constructed in 1925 as a home for The Miami News, the Freedom Tower was modeled after the bell tower of the Cathedral of Seville, remaining one of South Florida's most distinctive historic buildings. The Freedom Tower is located on Miami Dade College's (MDC) Wolfson Campus. As part of a MEP Engineering Continuing Contract with MDC, SGM was commissioned to renovate portions of the building's existing HVAC system while ensuring the structure and humidity control was intact during construction due to the history/artwork within the Freedom Tower.

During investigations, SGM recognized the critical nature of the building's artwork and recommended the design incorporated two chillers to provide a redundant system to maintain humidity control to portions of the building during times of emergencies and required equipment maintenance.

Scope of services included:

- Deficiency report to identify code deficiencies.
- Life cycle cost analysis of chiller selections.
- Two roof-mounted, air-cooled chillers.
- Replaced AHU's.
- Upgraded electrical system.
- Reprogrammed controls to satisfy new sequence of operation.

[For more description on this project please refer back to Section 5](#)

REFERENCES CONTINUED

Project Name: Palm Beach State College NOC-HVAC Replacement

Date of Completion: 2017

Project Cost: \$125,000

Project Owner: Palm Beach State College

Contact: Kirk Stetson- stetsonk@palmbeachstate.edu; (561) 868-3481

Scope of Services: Project consisted of evaluating the existing Liebert 2nd tier backup HVAC system for the ever-changing NOC – District Network Operations Center for Computer and Telephone communications systems. SGM provided MEP-FP Analysis of CRAC unit and feasibility study. After a report was issued, a design for new system to replace the existing Liebert system was made.

SGM provided;

- Provided MEP design and specifications to replace existing Liebert CRAC unit
- New unit shall connect to campus wide controls system
- Provided CA services as required
- Attended Design review meetings at all levels of submission
- Attended construction meetings as required

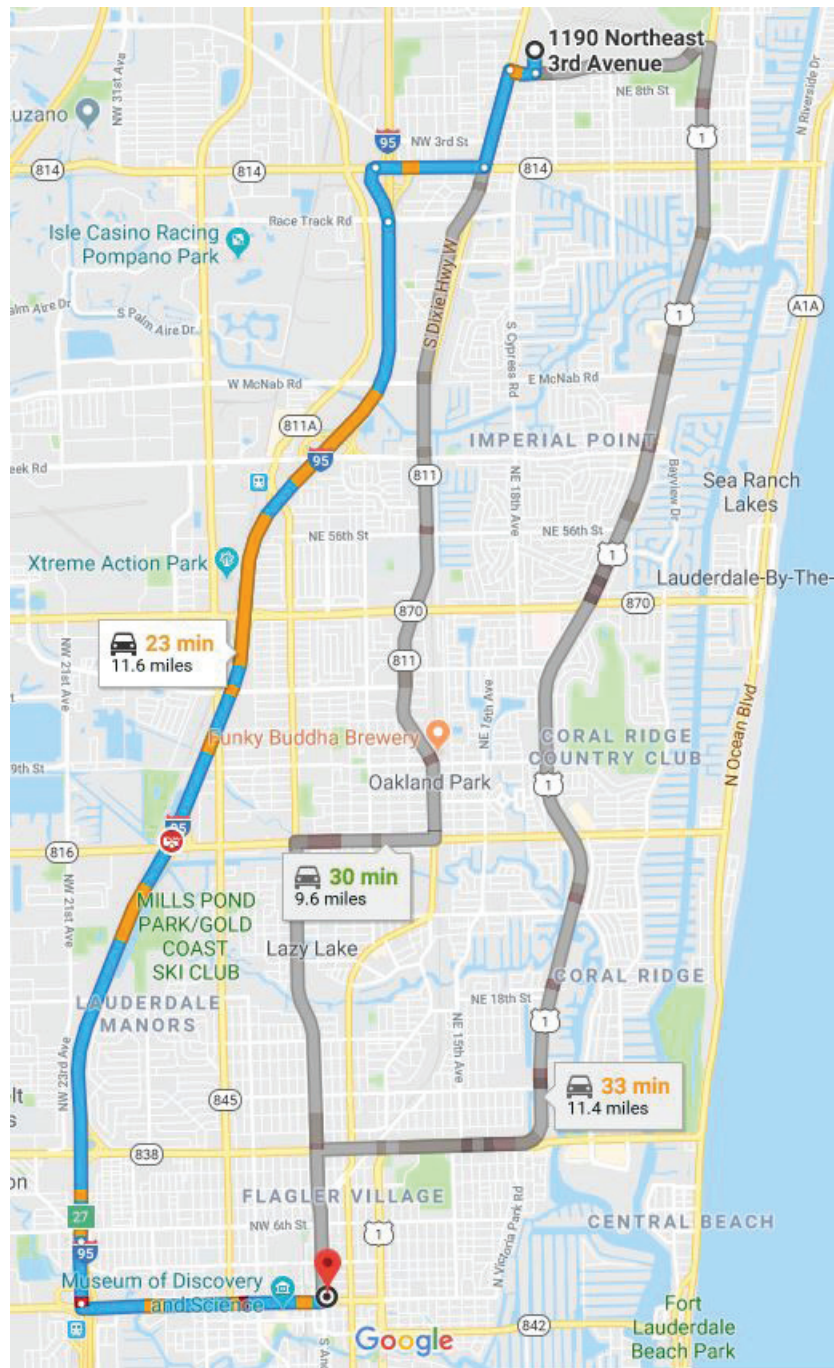
[For more description on this project please refer back to Section 5](#)

SGM's prior projects with City of Pompano Beach

- None

OFFICE LOCATIONS

For this project SGM Engineering, Inc. will be operating out of our Fort Lauderdale Office located at **1 East Broward Blvd. Suite 1503 Fort Lauderdale, FL 33301**. SGM has a total staff of 50 professional and administrative staff available for this project. Our office is located just 9.6 miles away from the city of Pompano Beach's Purchasing Office.



LITIGATION

SGM has not been found liable in any litigation regarding building design or commissioning work in the past 27 years of the firm's history. This firm has the highest possible ranking by Professional Liability Insurance carriers and has never been found liable in a court suit or for any projects or Government entities.

Additionally, SGM has not been involved in any projects in the past 10 years, or in the 27 years of our existence, where litigation has resulted in liquidated damages, penalties, liens, defaults, or cancellations of contracts were imposed, sought to be imposed, threatened, or filed against SGM.

MINORITY BUSINESS ENTERPRISE

BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT B

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E-11-18

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

Name of Firm	Certificate Included?
SGM Engineering, Inc.	Yes

MINORITY BUSINESS ENTERPRISE

State of Florida

Minority Business Certification

SGM Engineering, Inc

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

08/03/2017 to 08/03/2019



Erin Rock, Secretary
Florida Department of Management Services



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LICENSES



State of Florida

Board of Professional Engineers

Attests that
SGM Engineering, Inc.



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: 2/28/2019

Audit No: 228201902116 R

CA Lic. No:
6208

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, 2018, that its most recent annual report/uniform business report was filed on January 12, 2018, and that 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 Twelfth day of January, 2018



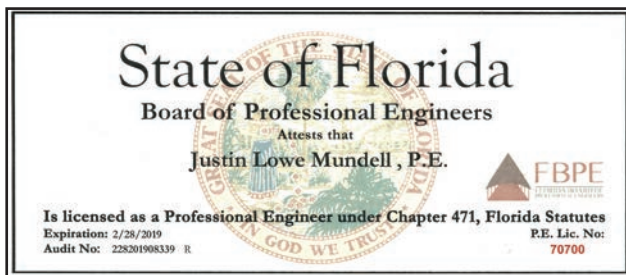
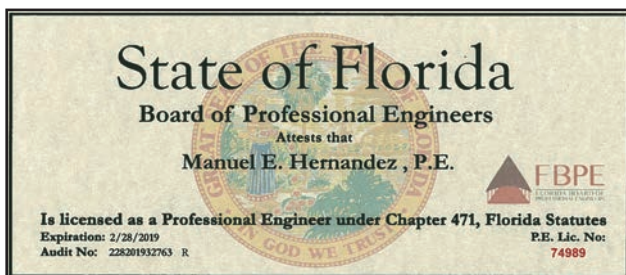
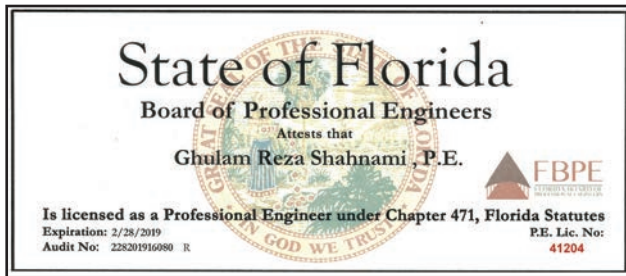
Ken Detjen
Secretary of State

Tracking Number: CC7354602902

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

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

LICENSES



LICENSES



CERTIFICATE OF LIABILITY INSURANCE

SGMEN-1

OP ID: SL

DATE (MM/DD/YYYY)

06/21/2017

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 JCJ Insurance Agency 2208 Hillcrest Street Orlando, FL 32803 Mark E. Jackson		CONTACT NAME: Kristin McIntosh PHONE (A/C, No, Ext): 321-445-1860 FAX (A/C, No): 321-445-1076 E-MAIL ADDRESS: certs@jcj-insurance.com															
INSURED SGM Engineering, Inc. 935 Lake Baldwin Lane Orlando, FL 32814		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Travelers Indemnity Co of Amer</td> <td>25666</td> </tr> <tr> <td>INSURER B : Travelers Casualty & Surety Co</td> <td>19038</td> </tr> <tr> <td>INSURER C : Homeland Insurance Co. of NY</td> <td>34452</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Travelers Indemnity Co of Amer	25666	INSURER B : Travelers Casualty & Surety Co	19038	INSURER C : Homeland Insurance Co. of NY	34452	INSURER D :		INSURER E :		INSURER F :	
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INSURER F :																	

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 SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		680-2J774323	07/06/2017	07/06/2018	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		BA-0G879957	07/06/2017	07/06/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		CUP-0G887945	07/06/2017	07/06/2018	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	UB-4458T67-6	07/06/2017	07/06/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liab Claims Made		DPL-5365-17	04/08/2017	04/08/2018	Per Claim \$ 5,000,000 Aggregate \$ 5,000,000

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

A.M. Best Rating subject to change
 American Casualty Company - A
 Continental Casualty Company - A
 Auto-Owners Insurance - A+
 Homeland Insurance Company - A

CERTIFICATE HOLDER

CANCELLATION

PROPOSA For Proposal Purposes	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

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ACORD 25 (2014/01)

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ADDENDUM ACKNOWLEDGMENT



City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060

February 20, 2018

ADDENDUM #1, RLI E-11-18

CONTINUING CONTRACT FOR ELECTRICAL ENGINEERING SERVICES

To Whom It May Concern,

Please review the following change to RLI E-11-18.

"Minority Business Enterprise Participation Form" has been replaced by "Exhibit B Minority Business Enterprise Participation Form," which has been added to the attachments tab of the electronic solicitation. Addendum #1 is posted on the City's eBid website: <http://pompanobeachfl.ionwave.net>. Acknowledge receipt of this Addendum using the Addendum Attribute on the Attributes tab in the eBid System.

The deadline for receipt of written questions is **5:00 p.m. (local) February 20, 2018**. No further questions will be accepted after this date. Oral and other interpretations or clarifications will be without legal effect.

The deadline for acceptance of sealed bids in the Purchasing Office, 1190 N.E. 3rd Avenue, Bldg. C, Pompano Beach, 33060, is **2:00 p.m. (local), February 27, 2018**.

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jeff English
Purchasing Agent

cc: website



1 EAST BROWARD BLVD. SUITE 1503 FORT LAUDERDALE, FL 33301 | TEL: (407) 767-5188 | FAX: (407) 767-5772

City of Pompano Beach, FL (Purchasing)

Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Jeff English Purchasing Agent	Address	1190 NE 3rd Avenue Building C Pompano Beach, FL 33060	Address
Email	jeffrey.english@copbfl.com	Contact	Jeff English Purchasing	Contact
Phone	(954) 786-4098	Department		Department
Fax	(954) 786-4168	Building		Building
Bid Number	E-11-18 Addendum 1	Floor/Room		Floor/Room
Title	Continuing Contract for Electrical Engineering Services	Telephone	(954) 786-4098	Telephone
Bid Type	RLI	Fax	(954) 786-4168	Fax
Issue Date	1/24/2018 10:00 AM (ET)	Email	purchasing@copbfl.com	Email
Close Date	2/27/2018 02:00:00 PM (ET)			

Supplier Information

Company SGM Engineering, Inc.
 Address 935 Lake Baldwin Lane
 935 Lake Baldwin Lane
 Orlando, FL 32814
 Contact
 Department
 Building
 Floor/Room
 Telephone (407) 767-5188
 Fax (407) 767-5772
 Email marketing@sgmengineering.com
 Submitted 2/27/2018 11:05:36 AM (ET)
 Total \$0.00

By submitting this Response I affirm I have received, read and agree to the all terms and conditions as set forth herein. I hereby recognize and agree that upon execution by an authorized officer of the City of Pompano Beach, this Response, together with all documents prepared by or on behalf of the City of Pompano Beach for this solicitation, and the resulting Contract shall become a binding agreement between the parties for the products and services to be provided in accordance with the terms and conditions set forth herein. I further affirm that all information and documentation contained within this response to be true and correct, and that I have the legal authority to submit this response on behalf of the named Supplier (Offeror).

Signature Tony Shahnami

Email tony@sgmengineering.com

Supplier Notes

Bid Notes

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional Engineering firms to submit Letters of Interest, qualifications and experience for consideration to provide electrical engineering services to the City on a continuing as needed basis.

The City will receive sealed proposals until 2:00 p.m. (local), February 27, 2018. Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://pompanobeachfl.ionwave.net/CurrentSourcingEvents.aspx>. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. Responses will be electronically unsealed in a public forum and read aloud.

Bid Activities

Bid Messages

Bid Attributes

Please review the following and respond where necessary

#	Name	Note	Response
1	Small Business Enterprise	Is your company a Small Business Enterprise? (If yes, upload a copy of your certification to the Response Attachments tab.)	Yes
2	Local Business	Is your company a Local Business located within the City of Pompano Beach City Limits as required by the Local Business Program? (A copy of your current City of Pompano Beach Business Tax Receipt may be requested.)	No
3	Conflict of Interest	For purposes of determining any possible conflict of interest, all bidders must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". (Note: If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes 112.313.)Indicate yes or no below with the drop down menu.	No
4	Vendor Certification Regarding Scrutinized Companies Lists	Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. As the person authorized to electronically sign on behalf of Respondent, I hereby certify by selecting the box below that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that pursuant to section 287.135, Florida Statutes, the submission of a	Certified

false certification may subject company to civil penalties,
attorney's fees, and/or costs.

- | | | | |
|---|----------------------------|--|-------|
| 5 | Terms & Conditions | Check the box indicating you agree to the terms and conditions of this solicitation. | Agree |
| 6 | Acknowledgement of Addenda | Check this box to acknowledge that you have reviewed all addenda issued for this solicitation. | Yes |

Line Items		
Response Total:		\$0.00