

The background of the entire page is a light blue color with a faint, white architectural blueprint pattern. The blueprint features various geometric shapes, including circles, arcs, and lines, with some numerical annotations like '2.10', '2.00', '1.00', '2.47', and '1.03'.

4

A large, stylized yellow bracket graphic that frames the text below it. It consists of two vertical bars connected by horizontal bars at the top and bottom, forming a wide 'C' shape.

SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies
SGM Engineering

4 SUBCONTRACTORS/JOINT VENTURES

SUBCONTRACTORS

LDG proposes to use the following subcontractors:

ROLE	Company Name	Address	Individual's Name Assigned	Projected % of Overall Work	Worked with Prime before (YES/NO)	Individual Worked with Prime before (YES/NO)
Sustainability and LEED Facilitation	Eco-Build Strategies	36550 Barrington Drive Eustis, FL 32736	Robyn Dowsey	50%	No	No
Sustainability and LEED Facilitation	Eco-Build Strategies	36551 Barrington Drive Eustis, FL 32736	Heather Stone	30%	No	No
Sustainability and LEED Facilitation	Eco-Build Strategies	36552 Barrington Drive Eustis, FL 32736	James Hackenburg	20%	No	No
Electrical Engineering	SGM Engineering	935 Lake Baldwin Lane Orlando, FL 32814	Justin Mundell, PE, RCDD	15%	No	No
Mechanical Engineering	SGM Engineering	936 Lake Baldwin Lane Orlando, FL 32814	Bobby Shahnami, PE, CxA, LEED AP BD+C	30%	No	No
Electrical Engineering	SGM Engineering	937 Lake Baldwin Lane Orlando, FL 32814	Mark Escott, PE, CxA, LEED AP BD+C	15%	No	No
Plumbing & Fire Protection Engineering	SGM Engineering	938 Lake Baldwin Lane Orlando, FL 32814	Jerry Schneider	40%	No	No

The following pages contain additional subcontractor information including firm profiles, licenses/certifications, resumes, and experience.

FIRM PROFILE / FIRM HISTORY

Eco-Build Strategies LLC (EBS)

EBS, is a small and developing, women-owned business founded in 2014. Based in Eustis, our trusted, experienced firm offers sustainability-consulting services throughout the Southeast. Seventy-five percent of EBS's clientele have projects/businesses in the Sunshine State. Clients include The Greater Orlando Aviation Authority, The City of Gainesville, AECOM, Valencia Community College, and Starwood Element Hotels. The EBS team specializes in project certification, energy analysis, operational platform development, Erosion and Sediment control in high-risk project site conditions, and material sourcing. EBS is proud to have successfully led more than 60 projects in the implementation of their sustainable agendas.

As one of the most respected leaders in the green-building movement, the award-winning Eco-Build Strategies firm helps facilitate the delivery of the highest quality, high performance, sustainable building projects. Using an integrated team approach with a diverse range of clients, the firm has more than 60 LEED Certified projects under its belt. In addition to tapping USGBC's LEED and other rating systems as anchors of its sustainable consulting services, EBS employs a diverse team of design and Storm Water professionals to offer project management, energy modeling, fundamental and enhanced building commissioning, neighborhood planning, operations and maintenance consulting, indoor air quality testing, and life cycle analyses for all types of building projects.

Mission Statement -- *To support and simplify the education and development of sustainable consulting services to corporations, private companies, and government entities throughout the nation.*

Known throughout the industry and within the State of Florida for our respective unparalleled LEED implementation experience and team support/mentoring framework, as well as for our respective long-term and repeat-client relationships, EBS team members specialize in fiscally minded sustainable platform development. Cited on numerous occasions by the Orlando Business Journal, US Green Building Council, City of Miami, South Florida Business Journal, New York Times, Engineering News Record and the Erosion Control Magazine for our knowledge and our ability to simplify the LEED process, our teams are excited about the opportunity to support your efforts. This depth of experience allows our collective team to not only provide you with the highest level of service (at below industry-standard fees), but it also enables an implementation process that minimizes budget concerns and challenges and maximizes achievement of long-term goals.

4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies



Eco-Build Strategies, LLC
SOLUTIONS FOR A BETTER BUILT TOMORROW

Project Locations



SUSTAINABLE SITES INITIATIVE



The Sustainable SITES Initiative works for all types of projects with or without a building -- including parks, university campuses and commercial



LEED PROJECT CERTIFICATIONS



THE LEADERS IN LEED!

LEED FELLOW STAFF

- ~ Fast Track LEED Certification Available
- ~ Customized LEED Design Charrettes
- ~ AIA & GBCI Continuing Education Provider
- ~ Contractor Credit Facilitation



PROVEN PROVIDER



SEASONED INDUSTRY EXPERTS

- ~ More than 140 LEED Certified Projects To-Date
- ~ More than 200 LEED Projects In-Progress
- ~ Multiple project certifications also in FGBC, NGBS and LBC ratings systems
- ~ Professional Engineers and Architects
- ~ Licensed Building Commissioning Agents
- ~ LEED APs - BD+C, ND, CI, EBO+M, WELL APs, SITES, Living Future & LBC, FGBC, National Green Building Standard
- ~ CSI, CDT, BEMP, PX, BN, CMC Certifications ~ LEED Fellows, LEED Faculty, WELL Faculty

VALUABLE, PROVEN RESULTS

LEED Certified Projects are Proven To:

- ~ Increase Productivity
- ~ Lower Energy Costs
- ~ Increase Lease Rates and Leasing Velocity
- ~ Increase Market Value
- ~ Competitive Pricing for all Green Building and LEED-related Services

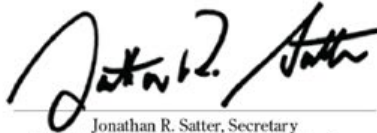
AWARD WINNING FIRM

- LEED Project Award Winners (more than a dozen)
- ~ Recipient of ULI Project of the Year; South Florida Business Journal "Business of the Year"; AIA Palm Beach "Consulting Firm of the Year"; Sustainable Florida "Best Practices" Award; USGBC Florida Firm of the Year

State of Florida
Woman Business Certification

Eco-Build Strategies LLC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
10/29/2020 to 10/29/2022



Jonathan R. Satter, Secretary
Florida Department of Management Services



Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies

7/19/2021

Detail by Entity Name

FLORIDA DEPARTMENT OF STATE

DIVISION OF CORPORATIONS



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Florida Limited Liability Company
ECO-BUILD STRATEGIES, LLC

Filing Information

Document Number L14000155678
FEI/EIN Number 47-1746226
Date Filed 10/03/2014
State FL
Status ACTIVE
Last Event REINSTATEMENT
Event Date Filed 10/21/2020

Principal Address

36550 Barrington Drive
Eustis, FL 32736

Changed: 04/05/2021

Mailing Address

36550 BARRINGTON DRIVE
EUSTIS, FL 32736

Registered Agent Name & Address

Dowsey, Robyn , EA
36550 Barrington Drive
Eustis, FL 32736

Name Changed: 11/14/2018

Address Changed: 10/24/2019

Authorized Person(s) Detail

Name & Address

Title AMBR

DOWSEY, ROBYN
36550 BARRINGTON DRIVE
EUSTIS, FL 32736

Annual Reports

search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquirytype=EntityName&directionType=Initial&searchNameOrder=ECOBUILDSTRA... 1/2

4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies



Robyn Dowsey

Equally multi-talented and driven, Robyn is a LEED Fellow, LEED AP with BD+C and EBOM specialties, US Green Building Council course reviewer, Green Globes Assessor, Guiding Principles Professional, Qualified Storm Management Professional, course developer for Seminole State College, instructor, a longstanding community and nonprofit volunteer ... and a devoted wife and a mother of five wonderful children.

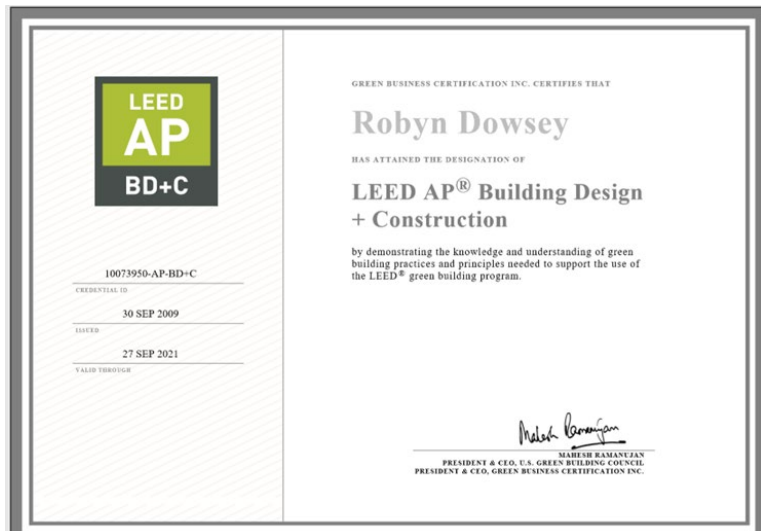


Meet Robyn

- ✚ 28 years of experience in the general field of sustainability.
- ✚ Founder and Principal of Eco-Build Strategies
- ✚ Completed the First LEED v4 project in the State of Florida.
- ✚ Extensive similar project experience (EBOM and WELL).
- ✚ Extensive design and construction experience.
- ✚ Expert in Return-on-Investment analysis.
- ✚ Expertise in policy and procedural development.
- ✚ Multiple professional credentials (see box at left).

"On behalf of Valencia College, we wanted to take a moment to express our sincere gratitude and appreciation to Robyn Dowsey on her help and tutelage over this past year. Her involvement in this EBOM project has been a huge benefit to all of us and a major partner in our success."

- Helene Louiselle
Vice President of Valencia Community College



4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies



Heather Stone

Heather Stone is a dedicated industry professional working to promote sustainable construction efforts as well as health and well-being of occupants within the built environment. She holds WELL® Accredited Professional and LEED® Green Associate credentials and a B.S. from the University of Florida in Sustainability and The Built Environment. She is currently studying to obtain LEED AP BD+C accreditation.

Meet Heather

- Assisted in Submittal review, Material Optimization, and LEED On-Line Upload
- Conducts LEED Field Inspections (CWM and IAQ compliance)
- Proficient in Energy Star Portfolio Manager, using the platform to create reports showing project trends of analysis in energy and water consumption
- Manages WELL Health Safety Rating project portfolios
- Legacy Project Team Member for The University of Florida's Donald R. Disney Stadium's locker room facility, under LEED V4.1 EB:O+M, earning Gold certification in April 2020
- Interested in pursuing a master's degree in Construction Management



4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies

Meet James



- + 15 years of specialty in maximizing building potential.
- + Creates a total building commissioning perspective.
- + Develops Current Facilities Requirement.
- + Extensive similar project experience (EBOM & WELL).
- + Dedicated to collaboration and team alignment.

James Hackenberg

Registered Professional Engineer – FL #65198

University of Wisconsin: Qualified Commissioning Process Provider (QCxP)

Lean Six Sigma Green Belt

Affiliations:

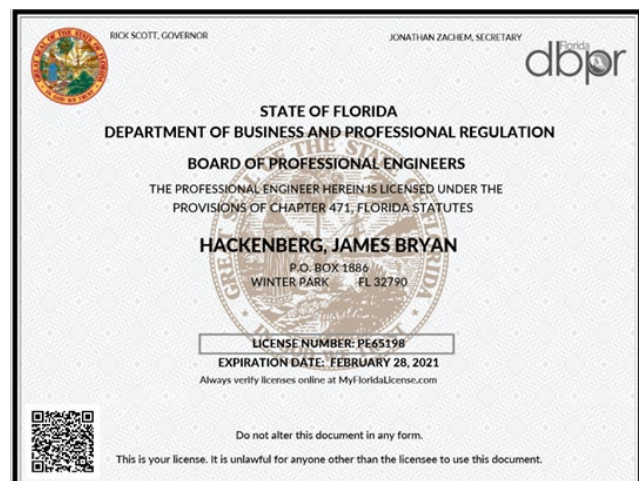
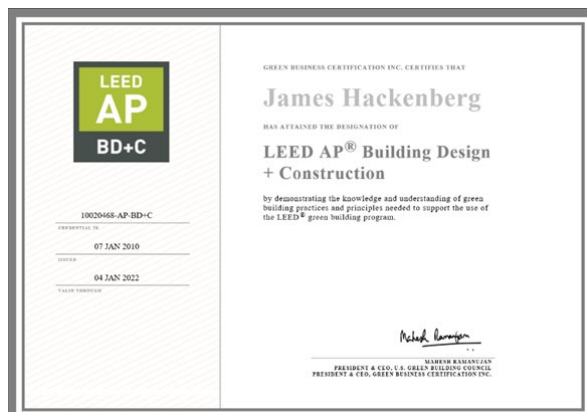
ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers)

NFPA (National Fire Protection Association)

AEE (The Association of Energy Engineers)

LEED AP BD+C (Leadership in Energy and Environmental Design)

ASHE (American Society of Healthcare Engineering)



4 SUBCONTRACTORS/JOINT VENTURES

Eco-Build Strategies

ATTACHMENT 3 – REFERENCES FORM

21-0914

List no more than five projects which best illustrates qualifications relevant to the Solicitation. References must be less than five years old. LIST no more than two LAKE COUNTY GOVERNMENT PROJECTS (past, current, prime, and subcontractor) FIRST.

Eco-Build Strategies LLC

PROJECT NAME: OIA South Airport South Terminal Complex Phase 1

Agency: Greater Orlando Aviation Authority

Address: 1 Jeff Fuqua Blvd

City, State, Zip code: Orlando, FL 32827

Contact Person: Mark Birkebak

Title: Director of Operations

Email: Mark.Birkebak@goaa.org

Telephone: 407-825-3835

Project Cost: 2.5 Billion

Contract Start and End Dates: 10/2018 – 02/2022

SCOPE of Project (list tasks, outlines or descriptions of items): New Construction – South

Airport Automated People Mover and Intermodal Transit Station – Scope LEED

Certification/Project Commissioning/Project Oversight/Indoor Air Quality Monitoring/Building Performance as Owner’s Representative

PROJECT NAME: OIA South Airport APM Complex

Agency: Greater Orlando Aviation Authority

Address: 11064 Canal Road

City, State, Zip code: Orlando, FL 32824

Contact Person: John Guirges

Title: Senior Program Manager

Email: john.guirges@goaa.org

Telephone: 407-825-4059

Project Cost: 1.7 Million

Contract Start and End Dates: 01/2016 – 11/2018

SCOPE of Project (list tasks, outlines or descriptions of items): New Construction – South

Airport Automated People Mover and Intermodal Transit Station – Scope LEED

Certification/Project Commissioning/Project Oversight/Indoor Air Quality Monitoring/Building Performance as Owner’s Representative

PROJECT NAME: Click or tap here to enter text.

Agency: Click or tap here to enter text.

Address: Click or tap here to enter text.

City, State, Zip code: Click or tap here to enter text.

Contact Person: Click or tap here to enter text.

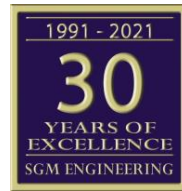
Title: Click or tap here to enter text.

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



935 Lake Baldwin Lane
Orlando, FL 32814
(407) 767-5188
(407) 767-5772 fax
www.sgmengineering.com



SGM ENGINEERING, INC. (SGM) is a Minority Owned Business, founded and incorporated in the State of Florida in 1991 with headquarters in Orlando, FL. 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.

Our staff consists of over knowledgeable project managers, engineers, designers and CAD technicians that complete their projects on-time and within budget. SGM's team of Engineers are 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. As a registered member of the U.S. Green Building Council, SGM does not shirk codes and energy conservation requirements. We represent all segments of the building industry, developing LEED® (Leadership in Energy and Environmental Design) Green Building Rating System® standards for highly sustainable buildings. For the City of Oakland Park, we will put no less effort into delivering the same sustainable, cost-effective, and efficient solutions for which we're known.

Mechanical Engineering

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

Electrical Engineering

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: 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.

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering

Plumbing and Fire Protection Engineering

Our plumbing engineers have the ability to design for domestic water systems, hot water return systems, equipment and fixture identification, sanitary drainage systems, storm drainage piping, liquid propane/natural gas systems, and boilers. Our fire protection areas of expertise include: fire suppression requirements (light, ordinary, and extra hazard classifications); wet, dry, deluge and reaction systems; backflow prevention and metering specifications; and fire flow tests (static, residual, and flow).

Experience with Municipalities

SGM has a long history of successful work with local and federal government agencies. One of the unique aspects of working with municipalities is the ability to be on call and provide immediate response to any challenges that may arise. Our past performance with municipalities is an example of our ability to adapt and respond to each municipality regardless of size, complexity, or use. SGM has had the opportunity to provide energy efficient engineering design services for the following municipalities:

- Lake County
- Sarasota County
- Brevard County
- Seminole County
- City of Titusville
- St. John's County
- City of Orlando
- Osceola County
- Palm Beach County
- Hernando County
- Marion County
- Martin County
- Orange County
- Volusia County
- City of Ormond Beach
- Hillsborough County

Sustainable Design/LEED

SGM's portfolio includes many LEED certified projects and many more LEED registered projects, totaling more than 3 million square feet of green space. SGM is proud a member of the US Green Building Council and is committed to environmental stewardship and social responsibility. Our firm employs 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.

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, 2021, that its most recent annual report/uniform business report was filed on January 8, 2021, 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 Eighth day of January, 2021*



Randy R. Lee
Secretary of State

Tracking Number: 2603863769CC

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

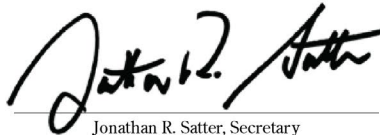
<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

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:
04/07/2021 to 04/07/2023



Jonathan R. Satter, Secretary
Florida Department of Management Services



Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SHAHNAMI, GHULAM REZA

935 LAKE BALDWIN LANE
ORLANDO FL 32814

LICENSE NUMBER: PE41204

EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com



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4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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MUNDELL, JUSTIN LOWE

9232 PALOS VERDE DRIVE
ORLANDO FL 32825

LICENSE NUMBER: PE70700

EXPIRATION DATE: FEBRUARY 28, 2023

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4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SHAHNAMI, BOBAK

2504 MEXICAN SUN DRIVE
LUTZ FL 33559

LICENSE NUMBER: PE78419

EXPIRATION DATE: FEBRUARY 28, 2023

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10666827-AP-BD+C

CREDENTIAL ID

27 JUL 2012

ISSUED

25 AUG 2022

VALID THROUGH

GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Bobby Shahnami

HAS ATTAINED THE DESIGNATION OF

LEED AP[®] Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED[®] green building program.

A handwritten signature in black ink that reads 'Mahesh Ramanujam'.

MAHESH RAMANUJAM
PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL
PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.



hereby certifies that

Bobby Shahnami

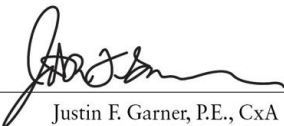
SGM Engineering, Inc.

has met all prerequisites demonstrating independence and the technical, management, and communications skills required to implement the commissioning process in new and existing buildings, and passed the necessary examination to be awarded this certificate in recognition of their qualifications as an ACG

Certified Commissioning Authority

Registration number: 611-850 . This certificate, valid only for the year 2021, is renewable on an annual basis upon meeting all requirements noted in the CxA Candidate Handbook.




Justin F. Garner, P.E., CxA
Certification Council Chair




Ray Bert
ACG Executive Director

This certificate is the sole property of ACG and must be returned upon request.

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ESCOTT, MARK A

372 MENASHE CT.
LONGWOOD FL 32779

LICENSE NUMBER: PE50737

EXPIRATION DATE: FEBRUARY 28, 2023

Always verify licenses online at MyFloridaLicense.com



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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

Printed on 50% bamboo fibers / 50% post-consumer fibers with vegetable based inks.



hereby certifies that

Mark Escott, P.E., LEED AP

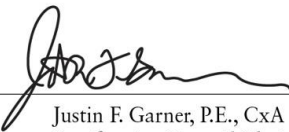
SGM Engineering, Inc.

has met all prerequisites demonstrating independence and the technical, management, and communications skills required to implement the commissioning process in new and existing buildings, and passed the necessary examination to be awarded this certificate in recognition of their qualifications as an ACG

Certified Commissioning Authority

Registration number: 110-608 . This certificate, valid only for the year 2021, is renewable on an annual basis upon meeting all requirements noted in the CxA Candidate Handbook.




Justin F. Garner, P.E., CxA
Certification Council Chair




Ray Bert
ACG Executive Director

This certificate is the sole property of ACG and must be returned upon request.

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Years of Experience

With SGM: 15
Industry: 18

Education

BS in Electrical Engineering,
University of Central Florida

Licenses + Certifications

Professional Engineer – FL
No. 70700

Registered Communications
Distribution Designer

SGM
ENGINEERING

Justin Mundell, PE, RCDD

Project Manager

Mr. Mundell has over 18 years of experience in electrical engineering, project management, scheduling, field coordination, change order estimating, and completing project closeouts. He is currently the Project Manager for many projects with several municipalities across Florida such as the City of Orlando, Orange County, Seminole County, Osceola County, and more. As SGM's RCDD Specialist, Mr. Mundell also has 18 years of experience providing designs for a variety of lighting, power, and telecommunications projects including intrusion detection, access control, technology, CCTV, and fire alarm.

Project Experience

Martin County Supervisor of Elections HVAC Renovation

Senior Electrical Engineer / Completed in 2019

SGM Engineering provided MEP/FP design services for a DX unit replacement at the Martin County Supervisor of Elections building. Our scope of work included designs to replace 5 existing DX units like in kind and provide associated structural renovations as required. Plans and specifications were to be in accordance with the Florida Building Code 6th Edition and Florida Fire Prevention Code 6th Edition.

Orange County Corrections Facility Security Replacement

540,000 SF / Senior Electrical Engineer

SGM Engineering provided electrical engineering services for the design and construction of the Campus Security Door and Lock Replacement. This consists of replacing all cell and vestibule doors and locks, overhead security gates, and associated electrical work including low voltage controls. This is being completed across the whole Correctional Facility, including the main building, female detention center, and the booking and release center.

Lake County Tavares Water Tower HVAC Upgrade

Senior Electrical Engineer / Completed in 2016

SGM provided mechanical and electrical engineering services to replace 2 DX wall-mounted units and provide new DX units as required. The scope also included a complete distribution ductwork design and construction admin services.

Florida Department of Management Dimmick Building

Fire Alarm Replacement / \$60,000 / Project Manager

As part of a continuing contract with the Florida Department of Management Services, SGM was tasked with providing professional electrical engineering services for the replacement of an existing fire alarm panel. Upon review of the building's existing fire alarm, our team replaced the fire alarm panel, annunciator, and wiring due to compatibility issues with the new fire alarm panel and for compliance with NFPA 72 and Florida Building Code requirements.

Other Relevant Experience:

- City of Orlando Courthouse Complex Upgrades
- Indian River County Sheriff's Office Security Upgrades
- MacDill Air Force Base Electrical Distribution
- MacDill Air Force Base Feeder Upgrade

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Years of Experience

With SGM: 23
Industry: 23

Education

Master's in Business
Administration & BS in
Mechanical Engineering,
University of Central Florida

Licenses + Certifications

Professional Engineer – FL
No. 78419

ACG Certified
Commissioning Authority

LEED Accredited
Professional Building Design
& Construction

SGM
ENGINEERING

Bobby Shahnami, PE, CxA, LEED AP BD+C

Senior Mechanical Engineer

Mr. Shahnami has 23 years of experience as a leader with SGM in the fields of Mechanical, Plumbing, and Fire Protection Engineering, as well as commissioning and quality control. He has a strong history working on municipal projects with over 150 completed in the last 20 years. Overall, Mr. Shahnami has completed over 1,500 projects with SGM. Bobby is also SGM's Engineer of Record for projects such as the City of Fort Lauderdale Public Works Administration EOC Building and several other local government projects throughout the State of Florida.

Project Experience

MacDill Air Force Base Multiple Award Construction Contract Senior Mechanical Engineer / \$2,000 - \$5 Million | Various Sizes

SGM served as the A/E Project Manager and MEP/FP Engineer of Record as a sub-consultant to ABBA Construction. This project supported 6th CES mission and requirements for the Base Engineering Support Division.

GSA Courthouse Chiller Replacement

Senior Mechanical Engineer / \$2.6 Million / 3,000 SF

SGM was responsible for the replacement of existing water cooled chillers, refurbishment to existing cooling towers, converting CHW pumping to a variable primary chilled water flow system, replacement of AHU's, upgrade of controls, coordinate electrical requirements for new equipment, and performed test and balance.

Lake County Health Department HVAC Design

Senior Mechanical Engineer / Completed in 2017

SGM Engineering provided mechanical design services for Lake County's Florida Department of Health. SGM's scope of work included replacing all HVAC equipment to meet code and resolve issues, including using an air-cooled chiller and VAV boxes and/or DX split system.

GOAA South Terminal Complex Phase 1

850,000 SF / \$1.3 Billion / Senior Mechanical Engineer

The project includes the Airside Terminal, Landside Terminal Ground Expansion, Ground Transportation Facility, Central Energy Plant, and the Receiving & Distribution Center at the Orlando International Airport. The new terminal will include 16 gates for domestic and international flights upon completion. This project is pursuing LEED v4 BD+C Certification.

City of Orlando Police Dept. MetroWest Substation Build-Out

3,000 SF / \$400,000 / Senior Mechanical & Plumbing Engineer

SGM provided mechanical, electrical, plumbing, fire protection, and life safety services for the design build of this Orlando Police Department Substation Build-Out. The scope included bullet proof entry using the existing building's teller glass, wireless service throughout the building, and backup power for a minimum of 24 hours.

4 SUBCONTRACTORS/JOINT VENTURES

SGM Engineering



Years of Experience

With SGM: 16
Industry: 30

Education

BS in Electrical Engineering,
University of South Florida

Licenses +Certifications

Professional Engineer – FL
No. 50737

ACG Certified
Commissioning Authority

LEED Accredited
Professional

SGM
ENGINEERING

Mark Escott, PE, CxA, LEED AP

Senior Electrical Engineer

Mr. Escott has 30 years of experience as a lead engineer for power, lighting, communications, security, and controls. He has worked on over 300 municipal projects during his time with SGM. He is well-versed in conducting studies and analyses pertaining to Electrical Arc Flash, system coordination, and life cycle and cost economics for go/no-go decision making. Mr. Escott is an ACG Certified Commissioning Agent and a LEED Accredited Professional, completing over 15 LEED Certified projects during his time at SGM.

Project Experience

Riviera Beach City Hall HVAC Replacement

\$325,000 / Senior Electrical Engineer

SGM was hired to replace the HVAC system at the City Hall in Riviera Beach which was built in 1980. The system that was replaced was composed of multiple HVAC packages of 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.

Hillsborough County Public Safety Operations Complex

77,500 SF / \$26 Million / Project Manager

This new public safety complex consolidates various County functions such as the Fire Rescue Headquarters, Fire Rescue Training Facility, Emergency Operations, Emergency Dispatch, Traffic Management Center, Information Technology Center, Code Enforcement, and other compatible uses as budget allows. The facility includes a 72,500 SF core building and 23,000 SF worth of auxiliary buildings together.

Martin County Supervisor of Elections HVAC Renovation

Senior Electrical Engineer / Completed in 2019

SGM Engineering provided MEP/FP design services for a DX unit replacement at the Martin County Supervisor of Elections building. Our scope of work included designs to replace 5 existing DX units like in kind and provide associated structural renovations as required. Plans and specifications were to be in accordance with the Florida Building Code 6th Edition and Florida Fire Prevention Code 6th Edition.

Orange County Corrections Facility Security Replacement

540,000 SF / Project Manager

SGM Engineering provided electrical engineering services for the design and construction of the Campus Security Door and Lock Replacement. This consists of replacing all cell and vestibule doors and locks, overhead security gates, and associated electrical work including low voltage controls. This is being completed across the whole Correctional Facility, including the main building, female detention center, and the booking and release center.



Years of Experience
With SGM: 14
Industry: 32

Education
Autodesk Training for
Building Systems



Jerry Schneider

Senior Plumbing & Fire Protection Designer

Mr. Schneider has 32 years of plumbing and fire protection design experience, as well as construction administration experience for K-12, higher education, science labs, clinics, and student housing type projects throughout the State of Florida. He is extremely familiar with Florida's state and local code requirements, ASPE Guidelines, NFPA, and International Code Standards. He is also knowledgeable in national building & fire codes as well as water-based fire extinguishing systems, smoke control systems, detection systems, and alarm systems.

Project Experience

Indian River County Sheriff's Office Security Upgrades Senior Fire Protection Designer / \$150,000 / Completed in 2014

SGM Engineering provided modifications to the CCTV video surveillance system and access control system for the new crime scene lab and evidence holding facility. The scope of services consisted of the design of three additional CCTV video surveillance 360 degree cameras. SGM's design included 10 cameras and 16 doors/openings that need access control devices and one intercom/camera. All CCTV modifications complied with the 2010 Florida Building Code and 2010 Florida Fire Prevention Code, as well as the Owner's Standards.

Lake County Public Works – Buildings #323 & #350 Senior Plumbing & FP Designer / \$280,000 / Completed in 2017

SGM Engineering was tasked with evaluating the entire building for deficiencies of the HVAC equipment and controls for the overall occupant comfort.

City of Orlando Police Dept. MetroWest Substation Build-Out Senior Plumbing & FP Engineer / 3,000 SF / \$400,000

SGM provided mechanical, electrical, plumbing, fire protection, and life safety services for the design build of this Orlando Police Department Substation Build-Out. The scope included bullet proof entry using the existing building's teller glass, wireless service throughout the building, and backup power for a minimum of 24 hours.

City of Orlando CNG Maintenance Building Senior Plumbing & FP Designer / \$525,000 / 5,600 SF

SGM was hired to provide full A&E Services for the design of a 70' x 80' pre-engineered metal building to include five maintenance bays and a PADS (Portable Asset Decontamination System) chamber.

Orange County Corrections Facility Security Replacement 540,000 SF / Senior Fire Protection Designer

SGM Engineering provided electrical engineering services for the design and construction of the Campus Security Door and Lock Replacement. This consists of replacing all cell and vestibule doors and locks, overhead security gates, and associated electrical work including low voltage controls. This is being completed across the whole Correctional Facility, including the main building, female detention center, and the booking and release center.

ATTACHMENT 3 – REFERENCES FORM

21-0914

List no more than five projects which best illustrates qualifications relevant to the Solicitation. References must be less than five years old. LIST no more than two LAKE COUNTY GOVERNMENT PROJECTS (past, current, prime, and subcontractor) FIRST.

SGM Engineering

PROJECT NAME: Lake County Public Works #323 & #350

Agency: Lake County Government

Address: 323/350 North Sinclair Avenue

City, State, Zip code: Tavares, FL 32778

Contact Person: John Bringard

Title: Facility Contracts Specialist

Email: jbringard@lakecountyfl.gov

Telephone: (352) 253-4974

Project Cost: \$280,000

Contract Start and End Dates: 2018

SCOPE of Project (list tasks, outlines or descriptions of items): SGM Engineering was tasked with evaluating the entire building for deficiencies of the HVAC equipment, existing mechanical systems (air conditioning systems), and controls for the overall occupant comfort. SGM performed all services above at the Lake County PublicWorks Facility located at 323 and 350 North Sinclair in Tavares, FL. SGM acted as the certified commissioning agent for these evaluations as well. SGM furthered acted as the Engineer of Record for this project in the design of the mechanical system in order to remedy all of the issues.

PROJECT NAME: Orange County Correctional Facility Security Door & Lock Replacement

Agency: Strollo Architecture

Address: 718 Virginia Drive

City, State, Zip code: Orlando, FL 32803

Contact Person: Thomas McCord

Title: Project Architect

Email: tmccord@strolloarchitects.com

Telephone: (407) 423-5355

Project Cost: Amount Not Finalized

Contract Start and End Dates: 2021

SCOPE of Project (list tasks, outlines or descriptions of items): SGM Engineering provided electrical engineering services for the design and construction of a Campus Security Door and Lock Replacement for the Orange County Correctional Facility. The scope consisted of replacing all cell and vestibule doors and locks, overhead security gates, and associated electrical work including low voltage controls. This project was completed across the entire Correctional Facility including the Main Building, the Female Detention Center, and the Booking and Release Center.