GENERAL ENGINEERING SERVICES

City of Key West

RFQ # 22-006

December 7, 2022

TLC ENGINEERING SOLUTIONS®

Erick Gonzalez, PE, LEED AP
Principal | Regional Director
5757 Blue Lagoon Dr., Ste 400
Miami, FL 33126
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Tab 1. Cover Letter

December 2, 2022

City Clerk
City of Key West
1300 White Street
Key West, Florida 33040

Re: General Engineering Services – RFQ #22-006
Discipline: Mechanical Engineering

To Whom it May Concern,

Responsiveness, efficient engineering design, unmatched experience in energy conservation and extensive knowledge about public facilities infrastructure are critical attributes that qualify TLC Engineering Solutions, Inc. (TLC) as the Mechanical Engineer to provide Professional Engineering Services for projects throughout City of Key West.

Our recent experience consists of several assignments similar to this contract. The team that we have selected is the same team that has been providing engineering services to several Monroe County facilities as a sub-consultant including Bishop House, East Martello Fort, West Martello Fort, Plantation Key Courthouse, and Monroe County Facility Assessment and Wind Retrofit. Our commitment has been demonstrated by our prompt response to the specific project needs, quality design to complex projects, and our flexibility to accommodate additional requests.

We have also provided similar services for several municipalities and educational institutions in South Florida. These contracts included analysis of HVAC systems, facility assessments, air handling unit replacements for several municipal facilities, solving ventilation issues, among others. Some of our recent clients include Broward County, City of Boca Raton, City of Weston, City of Miami, Florida International University, and Florida Atlantic University.

At TLC Engineering Solutions, Inc. we are continuously learning and growing, and it is that commitment to constantly evolve that led to our new brand. Our mission to **THINK** boldly, **LISTEN** attentively, and **CREATE** passionately serves as the blueprint that guides our promise of extreme service to our clients. TLC Engineering Solutions continues to provide high performance engineering design, consulting and energy services. Founded in 1955 and consistently ranked among the largest MEP and structural engineering firms in the country, we are an industry leader with expertise in diverse markets, from education to healthcare to aviation.

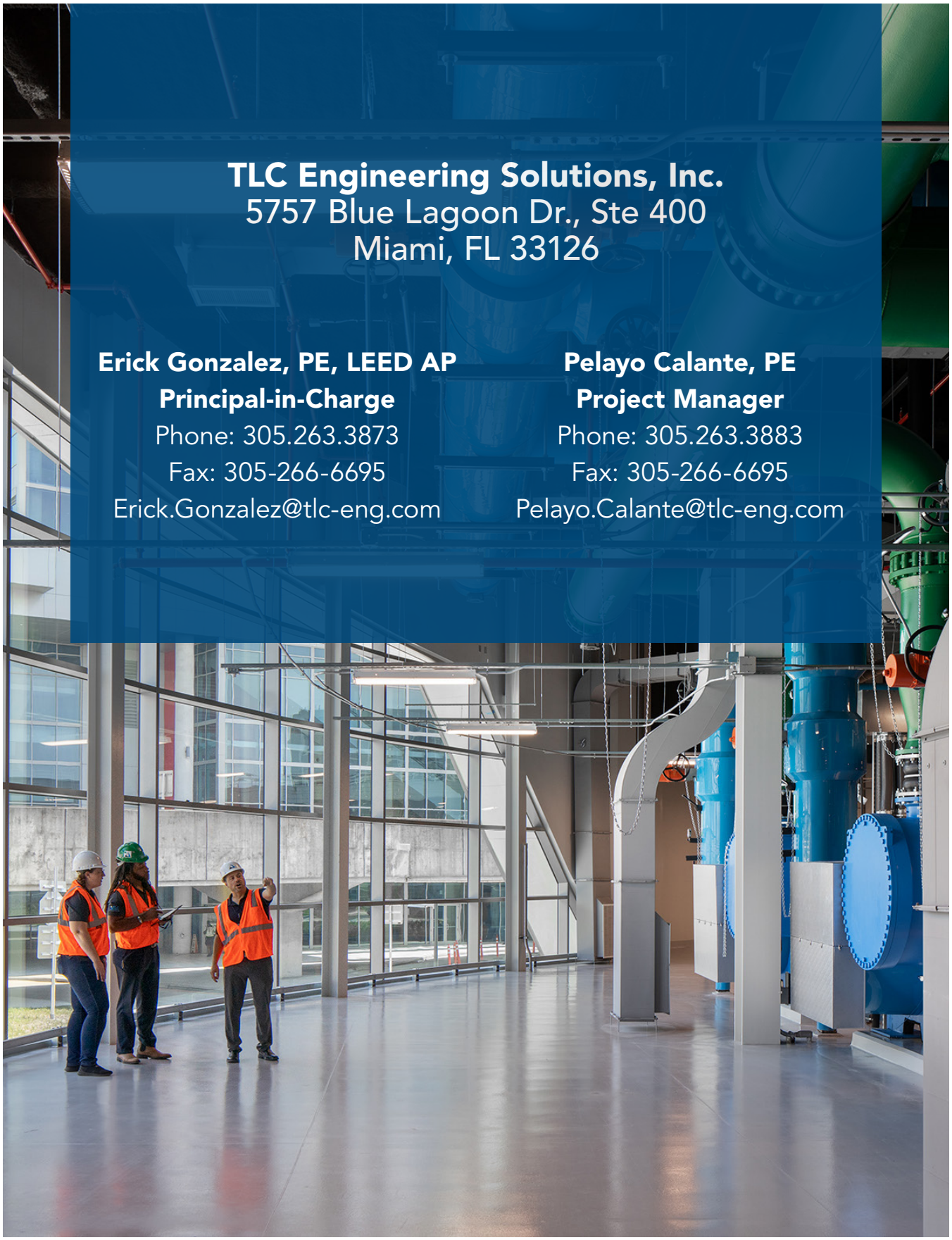
TLC was an early adopter of BIM, resulting in years of experience in creating streamlined designs that are integrated with architectural partners, support construction activities and achieve clients' goals. Our standard design and production tools include Revit MEP, Revit Structural and IESVE for Engineers for energy modeling and design analysis.

We welcome this opportunity to present a detailed view of our experience and capabilities in our RFQ response and will be happy to answer any additional questions or comments that you may have. TLC is delighted to continue working with City of Miami Beach and build a successful and long professional relationship.

Sincerely,

H. Erick Gonzalez, PE, LEED AP
Principal/Regional Director
Erick.Gonzalez@tlc-eng.com | M: (305) 608-8496

Tab 2. Information Page



TLC Engineering Solutions, Inc.
5757 Blue Lagoon Dr., Ste 400
Miami, FL 33126

Erick Gonzalez, PE, LEED AP
Principal-in-Charge
Phone: 305.263.3873
Fax: 305-266-6695
Erick.Gonzalez@tlc-eng.com

Pelayo Calante, PE
Project Manager
Phone: 305.263.3883
Fax: 305-266-6695
Pelayo.Calante@tlc-eng.com

Tab 3. Organizational Chart

PRINCIPAL-IN-CHARGE

Erick Gonzalez, PE, LEED AP

PROJECT MANAGER

Pelayo Calante, PE

MECHANICAL

Aniel Fernandez, PE, LEED AP
Senior Engineer

Seamus O'Donnell, LEED AP
Mechanical Designer

Osvaldo Hernandez
Field Engineer

ELECTRICAL SUPPORT

Jose Machado
Electrical Support

MECHANICAL / FIRE PROTECTION SUPPORT

Vincent McNish, PE, CxA, LEED AP, CPD
Senior Engineer

Javier Diaz
Designer

Tab 4. Company Information

ABOUT TLC

At **TLC Engineering Solutions, Inc.** we are continuously learning and growing. Our vision to **THINK** boldly, **LISTEN** attentively, and **CREATE** passionately serves as the blueprint that guides our commitment of extreme service to our clients. TLC Engineering Solutions provides high-performance engineering design and consulting. Founded in 1955 and consistently ranked among the largest MEP and structural engineering firms in the country, we are an industry leader with expertise in diverse markets, from healthcare to education to aviation.

Headquartered in Orlando, Florida, TLC has eight offices across Florida as well as offices in Nashville, Tennessee; New Orleans, Louisiana; Dallas, Texas; Irving, Texas; Los Angeles, California, Philadelphia, Pennsylvania; Atlanta, Georgia; Chicago, Illinois; Milwaukee, Wisconsin; and Charlotte, North Carolina. Our highly qualified team of 400+ professionals includes professional engineers, LEED-accredited professionals, ACG-registered commissioning authorities, and specialists in acoustics, energy modeling, and technology. We provide comprehensive services that allow clients to collaborate with a dedicated team from start to finish.

BY THE NUMBERS

400+
Professionals Nationally

65+
Years of Excellence

18
Offices Nationally

470+
LEED-Certified Projects

124+
Professional Engineers

67
LEED-Accredited Professionals

#3
2021 Healthcare Engineering Firm
Engineering News-Record

#19
2021 Overall Engineering Firm
Building Design + Construction

#28
2021 MEP Giants Firm
Consulting-Specifying Engineer

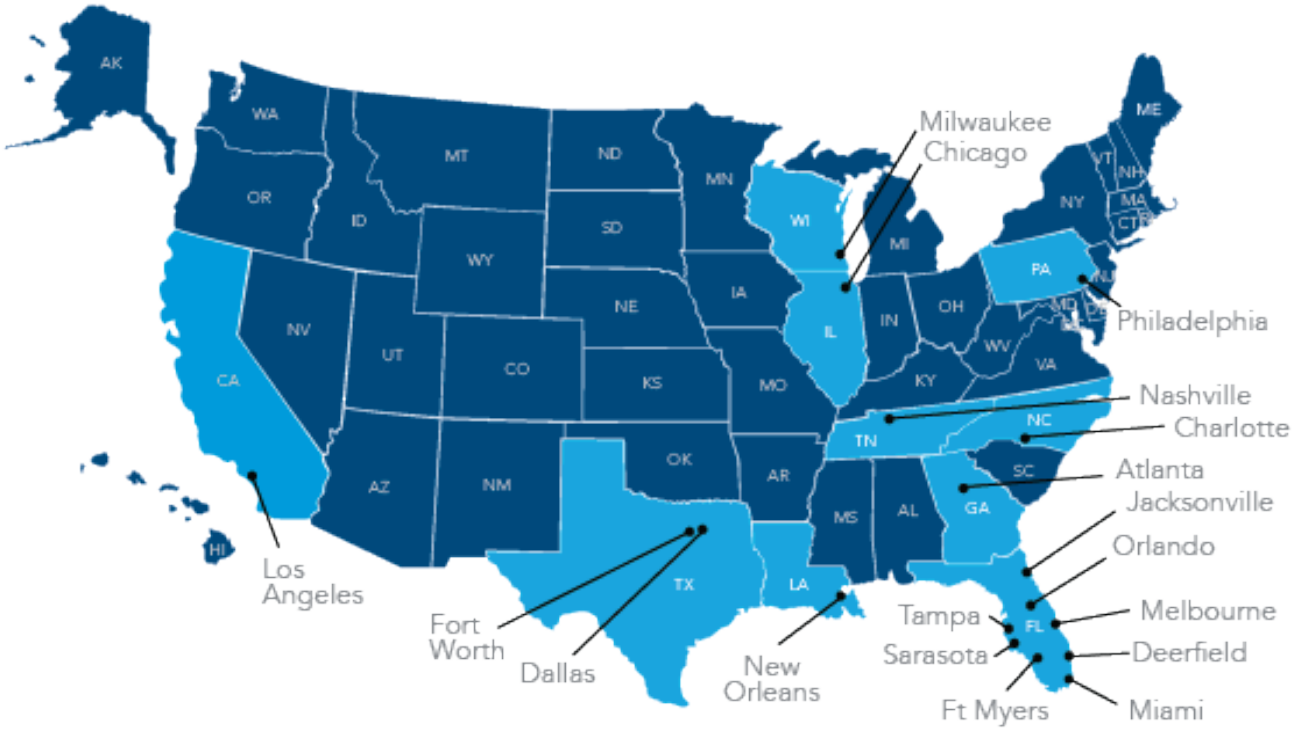
OUR SERVICES

- Mechanical
- Electrical
- Plumbing
- Fire Protection
- Structural
- Audio / Visual
- Voice Data
- Security
- Commissioning
- Energy Services
- Master Planning
- Theater / Venue Planning
- Life Safety
- Acoustics
- Lighting Design

OUR MAJOR MARKETS

- Healthcare
- Education
- Government
- Commercial
- Transportation
- Entertainment
- Energy

OUR LOCATIONS



OUR CULTURE

TLC's culture is one of **professional growth and development**, **transparency**, and **community engagement**. Our employees, known as TLCers, are encouraged to participate in professional associations where they can learn through shared knowledge. We invest in **continuing education** as well as mentoring and training programs that provide valuable skills to TLCers while enhancing our client-service delivery.

We embrace **openness and transparency** to facilitate **trust** among our team and increase employee engagement. As an open-book company, we regularly share financial information with TLCers to provide insight into the health and performance of the company.

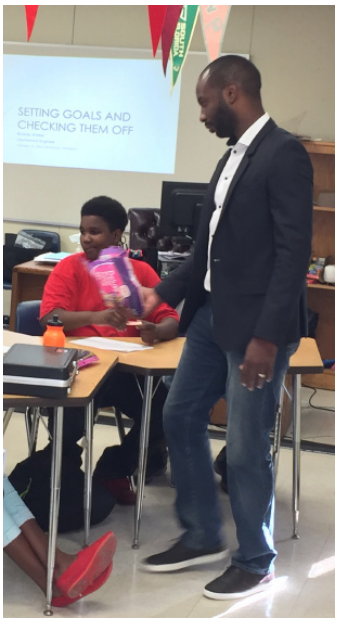
We practice what we preach. Our participation in the International Living Future's JUST Program, an innovative transparency platform, further reinforces our position as a **socially just and equitable firm**.

GREENWEEK
Annual Education & Awareness Event

At TLC, we share a commitment to **sustainable design**. In addition to engineering high-performance buildings, we provide education to our partners in the design and construction industry on sustainability, helping architects, contractors and owners gain a greater understanding of the significant design decisions that impact energy use. Our annual GreenWeek event gives industry thought leaders a platform to share their ideas and knowledge toward attaining sustainability in the built environment.

Our **Emerging Leaders** program supports the development of those we envision as our future leaders. These employees are typically drawn from our project manager ranks to help prepare them for future leadership positions.

We encourage employee **participation in the communities** in which we live and work. TLCers are actively engaged in connecting with their communities, from participating in events benefiting the American Cancer Society's Relay for Life to volunteering at schools. We are passionate about supporting efforts to better our communities.



SUSTAINABLE DESIGN

Our passion fuels our commitment to sustainability and resiliency in building design - we strive for simple, efficient solutions that create healthy environments for the people who live, learn, and work in the buildings that we engineer. TLC Engineering Solutions' commitment to sustainability made us a leader in the green building design movement. "Firsts"have propelled TLC Engineering, from the first building in Florida to attain LEED certification in 2003 to a portfolio of 460+ LEED certified buildings, as well as experience in Living Buildings, Green Globes and other building rating systems. TLC was among the first engineering firms to make the AIA 2030 Commitment. TLC's specialized sustainable design services include:

WELL®

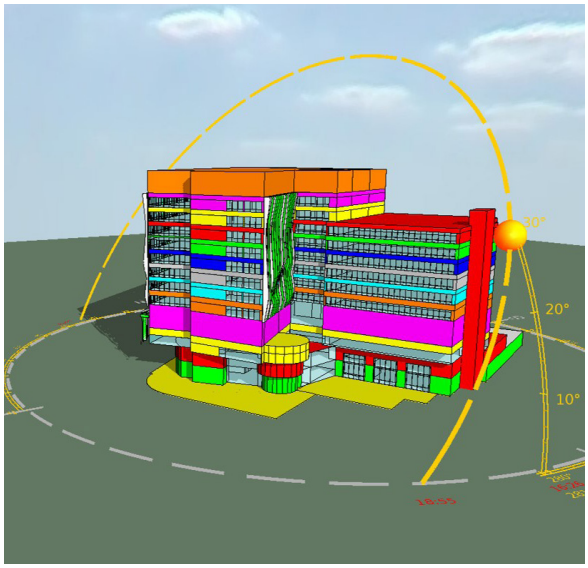
At the leading edge of trends in building design is an emphasis on buildings that support the health and wellness of the building occupants and users. Scientific evidence has proven that building features which encourage occupant health result in reduced employer healthcare costs and higher levels of productivity, positively impacting corporate bottom lines. One way to confirm the incorporation of health and wellness design is through WELL certification, a service provided by TLC. As a greater emphasis on healthy buildings has been demanded through the pandemic, we have assisted building owners in with health and wellness audits of their facilities, indicating to the public that their health is protected when in these buildings.

LEED CONSULTING

Our staff assists owner with preliminary LEED feasibility studies, registration and leading the certification process, including performing calculations and completing templates required for LEED certification. Extensive experience in guiding projects through the certification process has given our team working knowledge of numerous strategies to achive owners' goals for certification.

ENERGY MODELING

Energy modeling can be an extremely powerful tool that, when used effectively, provides direction to attain significant savings over the life of a building. TLC promotes an integrated design approach, inviting the entire team to analyze multiple options for building features such as building envelope, HVAC equipment and lighting systems simultaneously to identify the most effective energy saving strategies. In our experience, it is best to create an energy model early in the design process to help identify the most effective strategies. We typically use IES VE for Engineers to demonstrate the value of energy-saving strategies.

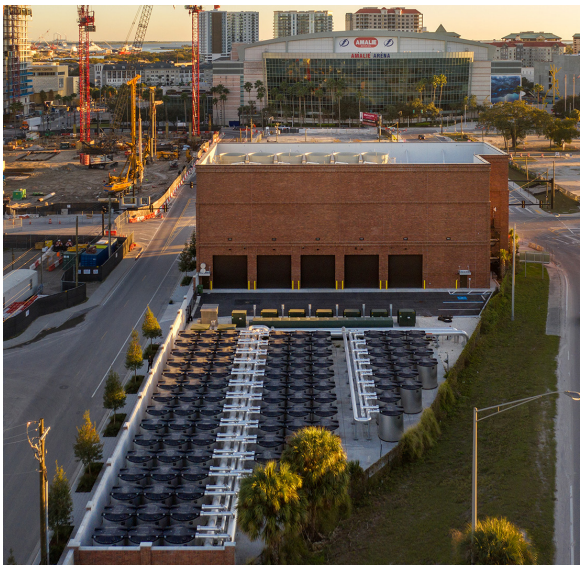


DAYLIGHT HARVESTING

Studies have shown that providing natural lighting in a space improves sales in retail stores, learning in schools and performance in office space. In addition to improved environmental quality, daylight harvesting is the number-one strategy for reducing energy consumption in a building. Our design professionals are adept in lighting design and control, along with HVAC adjustments which allow owners to reap the benefits of reduced lighting energy consumption.

COMMISSIONING (Cx)

Commissioning is performed by a team of design and construction professionals led by a certified Cx Authority (CxA). Commissioning services include consultation with owners regarding project goals, design reviews, custom functional and pre-functional testing of building systems, submittal reviews, observation of staff training, Cx reports and system manuals - all planned to deliver a fully operational facility.



RENEWABLE / THERMAL ENERGY

From solar hot water heating to PV arrays that capture the sun's power; from gathering stormwater and air handling unit condensate for reuse to thermal energy storage systems that shift building loads to more economical times, our designs incorporate alternative energy sources appropriate to the Owner's desires, local ordinances, utility providers and the environment.

ENERGY AUDITS AND RETRO-CX

Building not performing well? Occupant complaints? Concerns about equipment service life? TLC energy services team members analyze energy use and billings, survey facilities to identify opportunities to reduce energy use, and address concerns about equipment functioning appropriately and/or identifying equipment concerns/issues. We provide you with a roadmap detailing plans for building upgrades to retain tenants, reducing energy costs and increasing the value of your building asset.

Tab 5. Methodology and Approach

TECHNICAL APPROACH

Our Method of Approach to handle continuing services contracts consists of focusing in each design phase appropriately. The challenge of continuing services contracts is to keep facilities operational while responding to a fast-tracked project. Some variations to our approach are considered based on the size and schedule expectations of the project.

EVALUATION OF EXISTING CONDITIONS

Of particular importance in dealing with an existing facility is the assignment of adequate time and effort to verify existing conditions that impact the work. Additionally, the assigned staff from our team needs to understand how even a relatively minor scope of work can impact the greater operating systems of an existing facility. Information obtained from Record Documents cannot be the primary verification source for the designers as many minor construction deviations are sometimes not well documented in Record Documents and the nature of these buildings requires local facilities staff to make minor operational changes over the life of the facility. It will be essential for our team to be provided with direct access to facility staff at each location to properly understand the operations of each building and how the contemplated project may impact operations.

BUDGET AND NEGOTIATION

Our designated project manager will work with the designated City representative to ensure the project budget is adequately defined and a reasonable fee is assigned to each task to accomplish the work. We will provide all information necessary including assignment of hours per discipline and for each submittal. Our main goal will be to assist the City's Project Manager in meeting the budget expectations of the project.

DEFINE GOALS AND SCHEDULE

These projects are small in scope and complexity but are crucial to the City to maintain their operation, so completion of these projects on time, keeping design quality at the forefront of our service allowed the City to quickly address the projects forecasted for the fiscal year within the budget allocated for them.

MONITORING DESIGN AND QUALITY CONTROL

To monitor our continuing services contracts, we assign a Project Manager who will be the main point of contact for the owner. The Project Manager is responsible to monitor the staff who will be working on multiple assignments. At the same time, the Senior Engineers for each discipline closely review the design approach for each assignment and coordinate the assignment of resources with the Project Manager.

Standardized procedures and clearly defined lines of communication streamline project administration. In-house coordination is continuous during project design at the project management level dealing with schedules, performance criteria and costs. Coordination also is accomplished between engineering disciplines for resolution of specific interface areas. Coordination meetings are scheduled weekly, or as necessary, to ensure all project requirements are being addressed throughout the design process.

Period peer reviews and final document quality checks are used to review technical design and coordination. TLC's depth of personnel allows simultaneous review of individual disciplines by an independent senior registered engineer providing a "fresh set of eyes" review capability. The project manager is ultimately responsible for interdisciplinary coordination requirements and operates as a final check for design engineer coordination.

CONSTRUCTION ADMINISTRATION

The construction phase for small projects develops in a very fast track. TLC assists the Client/Owner during the preparation of the bid, evaluation of responses and finally recommendation for award. Our key designers stay involved from the initial pre-bid meeting and conduct periodic field visits and issuing reports noting deficiencies, concerns and areas requiring correction.

SCHEDULE

TASK	TIMELINE
Evaluation of existing conditions Based on the scope and complexity of the project, the site evaluation may be completed in 2 days	48 hours after Notice to Proceed
Budget and Negotiation – Analysis of existing conditions – Discuss findings with project manager – Estimate effort – Develop fee proposal	3 to 5 days Submitting for review and incorporating comments from the City for final submittal
Define Goals and Schedule – Collaborate with project manager and other stakeholders – Determine milestones – Finalize Schedule	3 to 5 days This task can be completed at the same time as the previous one depending on availability of City staff.
Design Development Based on the project complexity and scope of work	Less complex projects can be completed in 2 to 3 weeks More complex projects can be completed in 4 to 6 weeks.
Quality Control Completed promptly right after completion of each design phase before submitting final drawings to the City	Concurrent with design work. Final QA/QC will be 3-4 days before final submittal.
Construction Administration Based on the project complexity and scope of work	Respond to bidders' questions in 2-3 days Respond to RFI and shop drawings in 3-5 days Weekly site visits depending on construction period

Tab 6. Personnel

ERICK GONZALEZ, PE, LEED AP

Regional Director | Regional Operations Director | Principal

BACKGROUND

Erick has extensive engineering management experience and specializes in the design of complex HVAC systems, including controls, plumbing and fire protection systems. As a LEED AP, he is a specialist in integrated building practices and designing systems that deliver quality indoor environments. Erick excels in providing environmentally friendly, innovative and cost effective solutions for high-performance HVAC designs.

EXPERIENCE

Monroe County Emergency Operations Center, Marathon, Florida
New emergency operations center building (1,016 sf ground floor level area and 13,932 sf first floor) located on the Marathon airport property in Marathon, Florida.

City of Coconut Creek Public Works Building, Coconut Creek, Florida
New two-story Public Works administration building includes EOC, Dispatch, 911 Call Center and emergency response administrative spaces. N+1 systems, standby power for the building and sustainable design elements. Relocation and reconnection of site infrastructure including fiber optics and data services. Certified LEED NC 2009 Silver. $7 million / 22,000 sf

City of Riviera Beach Marina District South Redevelopment, Riviera Beach, Florida
Redevelopment of the Riviera Beach Marina District, with the first phase consisting of a two-story events center, a separate restroom / golf cart garage building and a concession building housing various mechanical functions. Provided engineering services for the master plan and security design for OnSSI Occularis CCTV. $38 million / 36,488 sf / LEED NC v2009 Silver Certified

Sunrise Municipal Complex, Sunrise, Florida
Multiple building complex including 100,000 sf city hall building, water park, amphitheater and 800-car parking garage. $40 million / 371,000 sf

City of Miami Beach Police HQ Renovation, Miami Beach, Florida
Comprehensive station-wide renovation to the five-story police headquarters. Modernized all major building systems and increased the building's resiliency to hazardous flooding conditions. The building renovation helps position the Department for their anticipated 20% growth over the next two decades. $10 million / 88,000 sf

City of Miami Beach MEP Engineering Services, Miami Beach, FL
MEP Engineering contract for miscellaneous services including the following projects: Bass Museum Fire Pump Replacement, Miami Beach Convention Center 40 Y Recertification, Fire Station No.3 Generator Replacement, Property Management Building Generator, North Shore Youth Center Generator and ATS, and South Point Park AHU Replacement.

EDUCATION

Florida International University
M.S., Engineering-Construction Management
2008
University of Havana
B.S., Mechanical Engineering
1994

YEARS OF EXPERIENCE

TLC: 11 years
Prior: 16 years

REGISTRATIONS

PE FL 53848

CERTIFICATIONS

LEED AP, GBCI
NCEES, NCEES

PROFESSIONAL AFFILIATIONS

USGBC, Member
ASHRAE, Member
NFPA, Member

PELAYO CALANTE, PE

Associate | Senior Project Engineer | Mechanical

BACKGROUND

Mr. Calante has 37 years of experience leading mechanical, electrical, fire protection and plumbing engineering teams. His experience includes several fields of mechanical engineering, nuclear, civil and environmental engineering, quality control and design and project management. He has also taught courses as an associate professor in the construction and assembly of nuclear power plants. He has extensive knowledge of the Florida Building Code and other design codes including the National Fire Protection Association (NFPA); American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE); and American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE); and American Society of Mechanical Engineers (ASME).

EXPERIENCE

West Martello Fort, Key West, FL
Installation of two (2) ductless mini split A/C units to provide A/C to a 1000 s.f. area at the east side of the Fort.

East Martello Fort, Key West, FL
Removal of the mini split units, and installation of a central A/C system with fresh air & dehumidifiers for the art gallery at the East Martello Fort.

Bishop House Key West, Key West, FL
Addition of an air conditioning system to the historic building (1,300 sqft), as well as repair of the existing plumbing system for a historic facility, Elizabeth Bishop House. Electrical system has been renovated, there is a new 200A panel in the house. TLC's electrical scope consists of adding a new AC system to the panel and revising the existing panel schedule.

Pigeon Key Electrical Design, Pigeon Key, FL
Mechanical & Electrical engineering services for the project which consists of providing electrical design for the renovation of two (2) single story historic wood framed building at Pigeon Key, a small island off the 7 mile bridge near Marathon Key, one building was built in 1912 (490 sqft) and other in 1950 (260 sqft). The buildings were knocked off their foundations during Hurricane Irma in Sept. 2017. The electrical systems will be all new. Pigeon Key is off the grid, and running on a generator.

Monroe County Facility Assessment and Wind Retrofit, Key West, Florida
Assessment and design to protect ten public facilities in Monroe County. Includes providing wind protection on any roof mounted HVAC and electrical equipment including vents, louvers, and fans.

City of Miami Beach MEP Engineering Services, Miami Beach, FL
MEP Engineering contract for miscellaneous services including the following projects: Bass Museum Fire Pump Replacement, Miami Beach Convention Center 40 Y Recertification, Fire Station No.3 Generator Replacement, Property Management Building Generator, North Shore Youth Center Generator and ATS, and South Point Park AHU Replacement.

EDUCATION

Moscow Institute of Power Engineering
M.S., Nuclear Engineering
1984
Moscow Institute of Power Engineering
B.S., Nuclear Engineering
1981

YEARS OF EXPERIENCE

TLC: 4 years
Prior: 34 years

REGISTRATIONS

PE FL 53829

ANIEL FERNANDEZ, PE, LEED AP

Principal | Mechanical

BACKGROUND

Aniel has over 19 years of experience in mechanical design, consulting engineering and management. His project experience includes: schools, clean rooms, production plants, laboratories, medical office buildings, kitchen ventilation design, and commercial office buildings. His field experience includes mechanical and plumbing inspections, and plan review in both fields. Aniel utilizes multiple computer based software, like AutoCAD and Revit, to achieve a high level of design quality and coordination among trades. He uses energy simulation software tools to evaluate energy performances which are utilized for conceptual facility designs, State and Federal code compliance, LEED certifications, Energy Star certifications and AIA 2030 Challenge calculations.

EXPERIENCE

Boynton Beach Police and Fire Department - Phase I, Boynton Beach, Florida
Phase I of the project consists of a 30% Design Package for MEPFP and Technology. The Fire Department is a facility approximately 12,000 square feet and the Police Department is a facility approximately 52,000 square feet. The Phase I services include the design package along with cost estimating support to the building (HJ High). The FD and PD are a portion of the Town Center project for Boynton Beach with a total construction budget of $105M. The construction budget for the FD is approximately $4M and the construction budget for the PD is approximately $15.5M. $19.5 million / 64,000 sf

City of Wellington Community and Tennis Center, Wellington, Florida
Two-phase project that will provide the Village of Wellington and its residents a state-of-the-art 2,400 sf tennis facility and a 25,000 sf community center. Phase I includes 21 hydro clay courts and a two-story 5,500 sf Tennis Pro Shop. The courts are designed with cabanas and drinking fountains for the players. Phase 2 includes the new center complete with meeting and conference rooms, a ball room, commercial kitchen facilities and offices. $3 million / 27,400 sf

Miramar Public Safety Building, Miramar, Florida
The project consists of MEP/FP and Technology design for a new public safety complex of approximately 25,000 square feet. The facility includes evidence storage, and office areas. $7.8 million / 25,000 sf

City of Boca Raton Continuing Services Contract, Boca Raton, Florida
Continuing services contract for mechanical, electrical, and plumbing engineering design.Continuing services contract for miscellaneous Technology design tasks (2003-2010). OnSSI Occularis CCTV improvement projects include: City Hall, Boca Raton Police Headquarters, Spanish River Library, New Main Library, City Parks, and Command and Control Center for city-wide Physical Security Information Management Systems.

EDUCATION

University of Havana
B.S., Mechanical Engineering
1994

YEARS OF EXPERIENCE

TLC: 9 years
Prior: 18 years

REGISTRATIONS

PE FL 66841

CERTIFICATIONS

LEED AP, GBCI

PROFESSIONAL AFFILIATIONS

ASHRAE, Member
Association of Cuban American Engineers (ACAE), Member

VINCENT L. MCNISH, PE, CXA, LEED AP, CPD

Associate | Senior Project Engineer | Plumbing & Fire Protection

BACKGROUND

Vincent has 22 years of experience in all phases of mechanical engineering analysis and design for HVAC systems for all building types including educational, commercial and industrial facilities. His areas of expertise are various types HVAC systems, central cooling and heating plants, building pressure and thermal load analysis, building energy conservation related to HVAC systems. Plumbing experience involves commercial and residential building configurations, systems design and code compliance studies. Fire Protection designs include wet, dry and pre-action systems experience. Several types of hazard occupancies include low and medium high-rise commercial and residential buildings. He is Certified in Plumbing Design (CPD) as well as a Professional Engineer (PE) and a Certified Commissioning Authority (CxA).

EXPERIENCE

Plantation Key Courthouse, Plantation Key, Florida
Two-story courthouse facility containing three courtrooms, offices for the judges and clerks, as well as the state attorney's office, clerk of court and drug administration area with a one story 12,000 sf all-male detention center facilitating up to 54 inmates and staff in a secure area. 30,000 sf

City of Miramar Police Headquarters Building, Miramar, Florida
Design criteria for a new headquarters integrated into an existing parking garage structure. The new three-story structure will provide retail space at the ground floor and police department on the second and third floors. Provided security design for OnSSI Occularis CCTV. Certified LEED NC 2009 Gold. Built to withstand Category 4 hurricane winds. $23 million / 80,000 sf

City of Miami Beach Police HQ Renovation, Miami Beach, Florida
Comprehensive station-wide renovation to the five-story police headquarters. Modernized all major building systems and increased the building's resiliency to hazardous flooding conditions. The building renovation helps position the Department for their anticipated 20% growth over the next two decades. $10 million / 88,000 sf

City of Plantation Police Department Firing Range, Plantation, Florida
New single-story state-of-the-art training facility to replace existing outdated building. Design includes a 50-yard indoor gun range, classroom, various support rooms and a new vehicle maintenance garage. Project consists of MEP/FP and technology professional design services for detailed spatial needs assessment, site analysis, and master planning. $4 million / 15,000 sf

Boca Raton Continuing Services, Boca Raton, Florida
TLC provides MEP/FP engineering services since 2015 for multiple projects at the City of Boca Raton. Some of the projects include: City Hall first floor renovation; new generators for the Downtown Library, Spanish River Library, and Building Administration Code Enforcement facility; Police Department Pistol Range rooftop unit; Fire Station #7 AC design services. / MEP

EDUCATION

Florida International University
M.S., Mechanical Engineering
1992
University of West Indies
B.S., Mechanical Engineering
1984

YEARS OF EXPERIENCE

TLC: 24 years
Prior: 8 years

REGISTRATIONS

PE FL 53287

CERTIFICATIONS

LEED AP, GBCI
CxA, ACG

JOSE "ALEX" MACHADO, EI

Associate | Project Manager | Electrical

BACKGROUND

Jose has 16 years of experience in designing power, lighting, voice/data, fire alarm system, electrical distribution, emergency power, intercom systems, lightning protection for various building types, including offices, public safety, historic, and educational facilities. As a Project Manager, Jose guides the design team from concept design to construction administration making sure that the needs and goals of the project at met successfully.

EXPERIENCE

West Martello Fort, Key West, FL
Installation of two (2) ductless mini split A/C units to provide A/C to a 1000 s.f. area at the east side of the Fort.

East Martello Fort, Key West, FL
Removal of the mini split units, and installation of a central A/C system with fresh air & dehumidifiers for the art gallery at the East Martello Fort.

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Port Miami, D and E Terminal Assessment and Renovation, Miami, Florida
Assessment and renovations for Terminal D and E, including new passenger bridge extensions and a new two-story infill building, with relocation of water service and electrical conduits, HVAC renovations and LEED Consulting and Commissioning. Scope of work encompass signed and sealed drawings for the FDOT grant final approval. Certified LEED ID+C 2009 Silver. $6.4 million

City of Miramar Police Substation, Miramar, Florida
Stand-alone facility with patrol related spaces, short-term holding cells, locker room and showers, administration and public spaces. 9,000 sf

EDUCATION

UCLV Marta, Santa Clara, UC, Cuba

B.S., Electrical Engineering

1995

YEARS OF EXPERIENCE

TLC: 7 years

Prior: 12 years

REGISTRATIONS

EI FL

OSVALDO HERNANDEZ

Field Engineer | Commissioning Technician

BACKGROUND

Osvaldo has 33 years of experience leading nuclear and mechanical engineering teams. His experience includes several fields of mechanical and nuclear engineering, environmental engineering, quality control and design and project management.

EXPERIENCE

Department of State Miami Passport Office, Miami, Florida
Reception area, conference rooms, waiting rooms, private offices, open workstations and other support spaces in the OMNI building / Registered for LEED ID+C v4 targeting Silver certification / 37,000 sf

East Martello Fort Key West, Key West, FL
Removal of the mini split units, and installation of a central A/C system with fresh air & dehumidifiers for the art gallery at the East Martello Fort.

City of Miami Police HQ Assessment, Miami, Florida
Full building assessment that includes providing the entire building with heat load calculations, providing a building BMS system, providing an HVAC and Electrical Building Assessment, and adding an emergency floor mounted exit floor light system to the 911 room.

Bishop House Key West, Key West, Florida
Addition of an air conditioning system to the historic building (1,300 sqft), as well as repair of the existing plumbing system for a historic facility, Elizabeth Bishop House. Electrical system has been renovated, there is a new 200A panel in the house. TLC's electrical scope consists of adding a new AC system to the panel and revising the existing panel schedule.

Cox Science Central Exhaust, Coral Gables, Florida
Evaluation of the airflows for the Lab Exhaust System serving the Cox Science building at University of Miami.

Cox Science Fire Alarm, Coral Gables, Florida
Fire alarm replacement within accordance with the applicable codes and authority having jurisdiction requirements at the Cox Science building in the University of Miami main campus.

Port of Miami Terminal E Passenger Boarding Bridges, Miami, Florida
From October 2019 to March 2020, engineering field representation services for the Miami Cruise Terminal E Passenger Boarding Bridges project. Consisted of providing full time engineering field representation for the erection and assembly of new FMT Passenger Boarding Bridges.

Port of Miami CTF 2.0, Miami, Florida
Phased renovation and new construction improvement to Terminal F at the Port of Miami. Project will be designed in 1 Phase and built in multiple phases by the same construction team. 179,000 SF / LEED Admin / Energy Modeling / Fundamental Cx

EDUCATION

Moscow Institute of Power Engineering
M.S., Nuclear Engineering
1984
Moscow Institute of Power Engineering
B.S., Nuclear Engineering
1981

YEARS OF EXPERIENCE

TLC: 3 years
Prior: 33 years

SHAY M. O'DONNELL, LEED AP

Associate | Senior Specialty Designer | Mechanical

BACKGROUND

Shay brings more than 12 years of experience which include the design of mechanical systems for commercial and residential buildings. His experience includes all phases of mechanical engineering analysis and design of heating, ventilation and air conditioning. He is versed in project coordination and construction administration handling construction challenges among all team members and sub-contractors as a dedicated MEP/FP Engineer. He has a strong experience in energy modeling and is able to identify sustainable strategies at a very early stage of the project. Shay has provided energy modeling services for LEED registered projects in order to assist the client in achieving the sustainability goals of the project.

EXPERIENCE

Monroe County Emergency Operations Center, Marathon, Florida
New emergency operations center building (1,016 sf ground floor level area and 13,932 sf first floor) located on the Marathon airport property in Marathon, Florida.

Bishop House Key West, Key West, Florida
Addition of an air conditioning system to the historic building (1,300 sqft), as well as repair of the existing plumbing system for a historic facility, Elizabeth Bishop House. Electrical system has been renovated, there is a new 200A panel in the house. TLC's electrical scope consists of adding a new AC system to the panel and revising the existing panel schedule.

Plantation Key Courthouse, Plantation Key, Florida
Two-story courthouse facility containing three courtrooms, offices for the judges and clerks, as well as the state attorney's office, clerk of court and drug administration area with a one story 12,000 sf all-male detention center facilitating up to 54 inmates and staff in a secure area. 30,000 sf

Port Miami, D and E Terminal Assessment and Renovation, Miami, Florida
Assessment and renovations for Terminal D and E, including new passenger bridge extensions and a new two-story infill building, with relocation of water service and electrical conduits, HVAC renovations and LEED Consulting and Commissioning. Scope of work encompass signed and sealed drawings for the FDOT grant final approval. Certified LEED ID+C 2009 Silver. $6.4 million

City of Riviera Beach Marina District South Redevelopment, Riviera Beach, Florida
Redevelopment of the Riviera Beach Marina District, with the first phase consisting of a two-story events center, a separate restroom / golf cart garage building and a concession building housing various mechanical functions. Provided engineering services for the master plan and security design for OnSSI Occularis CCTV. $38 million / 36,488 sf / LEED NC v2009 Silver Certified

EDUCATION

Bolton Street College of Technology, Ireland
B.E., Mechanical Engineering
1999

YEARS OF EXPERIENCE

TLC: 16 years
Prior: 0 years

CERTIFICATIONS

LEED AP, GBCI

JAVIER A. DIAZ

Designer | Plumbing/Fire Protection

BACKGROUND

Javier is a valuable member of our mechanical engineering team focusing on plumbing and fire protection. He is proficient in Revit and AutoCAD. He works directly with the plumbing and fire protection engineer to develop the most efficient design approach for each project.

EXPERIENCE

Plantation Key Courthouse, Plantation Key, Florida
Two-story courthouse facility containing three courtrooms, offices for the judges and clerks, as well as the state attorney's office, clerk of court and drug administration area with a one story 12,000 sf all-male detention center facilitating up to 54 inmates and staff in a secure area. 30,000 sf

Boca Raton Continuing Services, Boca Raton, Florida
TLC provides MEP/FP engineering services since 2015 for multiple projects at the City of Boca Raton. Some of the projects include: City Hall first floor renovation; new generators for the Downtown Library, Spanish River Library, and Building Administration Code Enforcement facility; Police Department Pistol Range rooftop unit; Fire Station #7 AC design services. / MEP

City of Riviera Beach Marina District South Redevelopment, Riviera Beach, Florida
Redevelopment of the Riviera Beach Marina District, with the first phase consisting of a two-story events center, a separate restroom / golf cart garage building and a concession building housing various mechanical functions. Provided engineering services for the master plan and security design for OnSSI Occularis CCTV. $38 million / 36,488 sf / LEED NC v2009 Silver Certified

City of Miramar Police Headquarters Building, Miramar, Florida
Design criteria for a new headquarters integrated into an existing parking garage structure. The new three-story structure will provide retail space at the ground floor and police department on the second and third floors. 80,000 sf

Sunrise Municipal Complex, Sunrise, Florida
Multiple building complex including 100,000 sf city hall building, water park, amphitheater and 800-car parking garage. $40 million / 371,000 sf

Miramar Public Safety Building, Miramar, Florida
The project consists of MEP/FP and Technology design for a new public safety complex of approximately 25,000 square feet. The facility includes evidence storage, and office areas. $7.8 million / 25,000 sf

YEARS OF EXPERIENCE

TLC: 6 years

Tab 7. Qualifications

QUALIFICATIONS

TLC is organized in a way which provides staff continuity in each project while maintaining flexibility in assignments, capability to meet deadlines and upholding high technical standards. TLC's organization designates a Senior Engineer, in each of the electrical and mechanical disciplines, to be responsible for the technical content of each project, assign the appropriate staff, provide design guidance and assure that project requirements are met. This structure allows us to take on multiple responsibilities at the same time and meet a fast track schedule typical of continuing services contracts.

In addition, the project is assigned a Project Manager, who is responsible for the overall execution of the work and maintaining proper communications with the client, with other consultants and with the TLC staff. The Senior Engineers, in each discipline, serve as a bridge between projects to make sure that the organizational intelligence and expertise is not lost from one project to the next.

Currently, TLC Engineering for Architecture provides mechanical, electrical, plumbing and fire protection engineering services for several continuing services contracts. We have been working with the City of Boca Raton since 2003, some of the project include equipment replacements at the City Hall, CCTV system design for several City parks and programming for the Municipal Library. We were awarded the Continuing Services contract for the City of Miami Beach in 2010 and have been providing MEP engineering services since then. Some of the projects include site investigation to analyze the existing HVAC and electrical systems for Fire Station #4, air handling unit replacements at the City Hall and HVAC upgrades at the Police Station. As a sub-consultant, TLC provided MEP engineering services for Broward County General Engineering Continuing Services contract, which included HVAC investigation and design for the Medical Examiner Building, HVAC equipment replacement at the Broward Government Center and the Annex Building. We also hold Continuing Services Contracts at Florida Atlantic University and City of Miami.

Additionally, our South Florida office has completed projects for the following clients:

- City of South Miami
- City of Lauderhill
- City of Boca Raton
- City of Weston
- City of Miramar
- City of Coral Springs
- City of Riviera Beach

KEY PERSONNEL PARTICIPATION IN RELEVANT PROJECTS

Name	1	2	3	4	5	6	7	8	9	10
Erick Gonzalez, PE, LEED AP			✓			✓	✓	✓	✓	✓
Pelayo Calante, PE	✓	✓		✓	✓	✓		✓	✓	✓
Aniel Fernandez, PE, LEED AP										
Vincent McNish, PE, CxA, LEED AP, CPD			✓				✓	✓		
Jose “Alex” Machado, EI	✓	✓		✓	✓					
Osvlado Hernandez	✓			✓		✓		✓	✓	✓
Javier Diaz			✓				✓	✓		
Seamus M O’Donnell	✓		✓				✓			

PROJECTS KEY

1	**Bishop House, Key West, FL** Services Provided: Mechanical, Electrical, and Plumbing Engineering
2	**Monroe County Facility Assessment and Wind Retrofit, Key West, FL** Services Provided: Mechanical and Electrical Engineering
3	**Plantation Key Courthouse, Plantation Key, FL** Services Provided: Mechanical, Electrical, Plumbing, Fire Protection, Audio/Visual, Voice/ Data, and Security Engineering
4	**East Martello Fort Key West, Key West, FL** Services Provided: Mechanical and Electrical Engineering
5	**West Martello AC Installation, Key West, FL** Services Provided: Mechanical and Electrical Engineering
6	**City of Miami Police HQ Assessment** Services Provided: Mechanical and Electrical Engineering
7	**Monroe County Emergency Operations Center** Services Provided: Mechanical, Electrical, Plumbing, Fire Protection, Audio/Visual, Voice/ Data, and Security Engineering
8	**Department of State Miami Passport Office** Services Provided: Mechanical, Electrical, Plumbing, and Fire Protection Engineering
9	**FIU GL Building HVAC Controls Upgrade** Services Provided: Mechanical and Electrical Engineering
10	**FIU Ryder School of Business HVAC Controls** Services Provided: Mechanical, Electrical, Plumbing, and Commissioning Engineering

SOUTH FLORIDA MUNICIPAL EXPERIENCE

Boynton Beach Police and Fire Department - Phase I, Boynton Beach, Florida
Phase I of the project consists of a 30% Design Package for MEPFP and Technology. The Fire Department is a facility approximately 12,000 square feet and the Police Department is a facility approximately 52,000 square feet. The Phase I services include the design package along with cost estimating support to the building (HJ High). The FD and PD are a portion of the Town Center project for Boynton Beach with a total construction budget of $105M. The construction budget for the FD is approximately $4M and the construction budget for the PD is approximately $15.5M. $19.5 million / 64,000 sf / MEP / FP / AV / Voice-Data / Security

City of Coconut Creek Public Works Building, Coconut Creek, Florida
New two-story Public Works administration building includes EOC, Dispatch, 911 Call Center and emergency response administrative spaces. N+1 systems, standby power for the building and sustainable design elements. Relocation and reconnection of site infrastructure including fiber optics and data services. Certified LEED NC 2009 Silver. $7 million / 22,000 sf / 2012 / MEP / FP / Audio-Visual / Voice-Data / Security / LEED / Energy Modeling / Cx

City of Miramar Police Headquarters Building, Miramar, Florida
Design criteria for a new headquarters integrated into an existing parking garage structure. The new three-story structure will provide retail space at the ground floor and police department on the second and third floors. Provided security design for OnSSI Occularis CCTV. 80,000 sf / Certified LEED NC 2009 Gold. MEP / FP / Audio-Visual / Voice-Data / Security / LEED

City of Lauderhill Fire Station #110, Lauderhill, Florida
New 15,000 sf, two-story fire station with living quarters for a staff of seven, offices, storage rooms and police offices, plus related spaces such as parking, fuel station, emergency generator and connection to all public utilities. The second floor serves as an emergency operations center. Certified LEED NC 2009 Silver. 2018, USGBC South Florida, Most Outstanding Green Fire Station. $2.5 million / 15,000 sf

City of Miami Beach Police Headquarters Renovation, Miami Beach, Florida
Comprehensive station-wide renovation to the five-story police headquarters. Modernized all major building systems and increased the building's resiliency to hazardous flooding conditions. The building renovation helps position the Department for their anticipated 20% growth over the next two decades. $10 million / 88,000 sf / MEP / FP / AV / Voice-Data / Security

City of Miramar Public Safety Building, Miramar, Florida
The project consists of MEP/FP and Technology design for a new public safety complex of approximately 25,000 square feet. The facility includes evidence storage, and office areas. 25,000 sf / MEP / FP / AV / Voice-Data / Security

City of Plantation Key Courthouse, Plantation Key, Florida
Two-story courthouse facility containing three courtrooms, offices for the judges and clerks, as well as the state attorney's office, clerk of court and drug administration area with a one story 12,000 sf all-male detention center facilitating up to 54 inmates and staff in a secure area. $20 million / 30,000 sf / 2022 / MEP / FP

SOUTH FLORIDA MUNICIPAL EXPERIENCE (CONTINUED)

City of Riviera Beach FS #2, Riviera Beach, Florida
Mechanical, electrical, plumbing and fire protection engineering services for a new fire station with approximately 10,000 sf located in Riviera Beach, Florida

City of Sunrise Municipal Complex, Sunrise, Florida
Multiple building complex including 100,000 sf city hall building, water park, amphitheater and 800-car parking garage. $40 million / 371,000 sf / 2019 / MEP / AV / Voice-Data / Security / LEED / Cx

City of South Miami Police Headquarters, South Miami, Florida
A new and separate police headquarters building, approximately 20,000 s.f., with at least 66 vehicle parking spaces and must include, but not limited to, offices for command staff and administration, a minimum of three (3) meeting rooms (roll-call, large and small conference rooms), a gym shower, small reception and copy room, break room, two jail cells, etc. The new Police Headquarters facility is seeking, LEED PLATINUM LEVEL certification MEP/FP/Security/Technology/20,000 SF/$6.5 million

City of Tamarac Fire Station #36, Tamarac, Florida
New fire station with living quarters for a staff of 10, bunk rooms, offices, storage rooms, locker rooms, kitchen and dining areas and laundry rooms. Also includes a parking lot, roadways, a fuel station, emergency generator and connection to all public utilities. $4.5 million / 11,500 sf

City of Tamarac Fire Station #78, Tamarac, Florida
New single-story fire station with space to accommodate the living quarters for a staff of seven, offices, and storage rooms. Also includes related spaces such as parking lot, interior roadways, a fuel station, emergency generator and connection to all public utilities. Certified LEED NC 2009. $10 million / 7,000 sf

Village of Palmetto Bay Municipal Center, Palmetto Bay, Florida
Two-story Village Hall with council chambers and an integral 24-hour police station. The entire building is on 72-hour back-up generator. Mechanical system uses DX roof-top units with VAV. Various energy models and strategies used for attaining LEED Platinum/NetZero, as well as grants/funds assistance. Design included LED lighting, variable refrigerant flow HVAC system, photovoltaic system support, reclaim water distribution, air quality testing credit, M and V credit, site lighting (solar), site power car charging stations, site landscape - façade lighting, solar heated water, theatrical chambers lighting, dry chemical suppression for IT room, Zurn pint flush urinals, general floor plan re-design. Design/build MEP/FP under a developer with communications, technology and LEED Administration contracted directly with the Owner. Certified LEED NC 2009 Platinum. $4 million / 25,000 sf / 2011 / MEP / FP / Technology / LEED / Cx

MONROE COUNTY EXPERIENCE

Bluegreen Hammocks, Marathon, Florida
Renovation to kitchens and outlet replacements in bathrooms and bedrooms in various units at Bluegreen Hammocks at Marathon Resort. 2015 / MEP

City of Key West Fire Station #2, Key West, Florida
Stand-alone fire station with an addition utilizing the current designed public restrooms on the first floor and storage on the second with an open exterior stair for egress, also included are site lighting and a bus shelter. $3.3 million / 8,800 sf / 2015 / MEP / FP / AV / Voice-Data / Security

Fishermen's Hospital Replacement, Marathon, Florida
New single-story critical access hospital to replace the community hospital destroyed by Hurricane Irma in 2017. Hospital built on the existing site and includes four inpatient beds, two ICU beds, six emergency room beds, triage, isolation, resuscitation, two operating rooms, surgical support, CT, X-ray, ultrasound, mammography, lab, pharmacy and dietary support. $15 million / 40,000 sf / 2021 / MEP / FP

Florida Keys Aqueduct Authority Office, Marathon, Florida
Commissioning services for the new office building / Cx

Josephine Parker City Hall at Historic Glynn R. Archer School, Key West, Florida
Fundamental and enhanced LEED commissioning of the conversion of Glynn Archer Elementary School into the Key West City Hall, including new systems, generator, photovoltaic panels for 15,000 sf roof area. Facility features office space, council chamber, conference rooms, lobby space and electric car chargers. Energy modeling analysis and LEED documentation EA-2 and EA-1. Certified LEED NC v2009 Platinum. $19 million / 37,000 sf / 2018 / Cx / Energy Services

Key West Airport Customs Phase I, Key West, Florida
Customs and Immigration Services renovations at Key West Airport. 1,000 sf / MEP / Sec / AV

Key West Sunset Green, Key West, Florida
Site electrical design and structural design for Sunset Green park in Key West including structural design for maintenance ramp and quad weatherproof outlets on all pedestals. Electrical / Structural

Lexi Condominium Survey Discrepancies, Key West, Florida
Expert witness services for lawsuit between contractor and surveying firm. Structural

Lower Key Regional Medical Center - Nurse Station Renovation, Key West, Florida
Several small nurse station renovation projects throughout the facility.1,200 sf / MEP / FP

Marathon Airport Customs Facility, Marathon, Florida
Conversion into customs intake and screening facility. $2 million / 4,400 sf / MEP / FP / Security / Voice-Data

Monroe County Emergency Operations Center, Marathon, Florida
Provided two narratives identifying code required changes to MEP and Technology systems. Reports anticipate adoption of 2017 Florida Building Code, currently adopted codes referenced in the Florida Building Code, and provide a refresh of technology indicated in previously submitted documents.

MONROE COUNTY EXPERIENCE (CONTINUED)

NAS Buildings 1350 and 1351 HVAC Renovations, Key West, Florida
Upgrades include high efficiency OAUs with wrap around refrigerant-based heat pipes for additional energy savings. Systems are sized to meet current code requirements. New DDC controls were connected to the existing control system. $2.83 million

NAS Key West Sigsbee Annex - Replace A/C, Key West, Florida
Replace the air conditioning unit #2 at the Navy Exchange Building V-4111 at Sigsbee Annes, NAS Key West. Work includes the removal of a split system consisting of an air handler and roof mounted condensing unit. Mechanical

NAS Key West P211 Maintenance Hangar Commissioning, Key West, Florida
Design, construction, and post occupancy phase commissioning services included conducting site observations to verify and ensure proper system installation in accordance with contract requirements. Lead and observation summary meeting with the Construction Contractor Site Rep/QC Manager and the NAVFAC CM/ET at the conclusion of each observation. $45.2 million / 2022 / Commissioning

NAS Key West P211 Maintenance Hangar Technology, Key West, Florida
Designed infrastructure for telecommunications, public address system, CATV, access controls, intrusion detection, sound masking, and multiple radio systems for new aircraft maintenance hangar. Facility includes 45,112-sf high-bay space; 39,320-sf for shops and maintenance space, operation, training; and 26,260-sf administrative space. Facility includes SAPF/SCIF spaces and AT/FP requirements. Facility is designed to maximize energy efficiency. $45.2 million / 110,692 sf / 2023 / Audio-Visual / Voice-Data / Security

Plantation Key Courthouse, Plantation Key, Florida
Two-story courthouse facility containing three courtrooms, offices for the judges and clerks, as well as the state attorney's office, clerk of court and drug administration area with a one story 12,000 sf all-male detention center facilitating up to 54 inmates and staff in a secure area. $20 million / 30,000 sf / 2022 / MEP / FP

West Martello AC Installation, Key West, Florida
Installing two (2) ductless mini split A/C units to provide A/C to a 1000 sf area at the east side of the Fort / MEP

CONTINUING SERVICES EXPERIENCE

Barefoot Bay Engineering Continuing Service Master Contract, Barefoot Bay, Florida
Engineering continuing services contract for all disciplines. Initial term through September 30, 2017 with unlimited 3-year terms. MEP / FP / S / A/V / V/D / SEC / LEED / CxA / ENG SRV

Brevard County MEP Continuing Services Master Agreement, Viera, Florida
Continuing MEP Engineering Design Services for County facilities, including new construction, renovations, libraries, fire stations, parks, office renovations, etc.

Brevard County Structural Continuing Services Master Contract, Viera, Florida
Continuing Structural Engineering Design Services for new construction, renovations, libraries, fire stations, parks, office renovations, etc.

Broward County Continuing Services, Broward County, Florida
MEP Engineering services as a sub-consultant for multiple upgrades and renovations

City of Boca Raton Continuing Services, Boca Raton, Florida
Continuing services contract for mechanical, electrical, and plumbing engineering design. Continuing services contract for miscellaneous Technology design tasks (2003-2010). OnSSI Occularis CCTV improvement projects include: City Hall, Boca Raton Police Headquarters, Spanish River Library, New Main Library, City Parks, and Command and Control Center for city-wide Physical Security Information Management Systems.

City of Miami MEP Continuing Services, Miami, Florida
Prime contract for MEP Engineering services.

City of Miami Beach Continuing Services, Miami Beach, Florida
MEP Engineering contract for miscellaneous services including the following projects: Bass Museum Fire Pump Replacement, Miami Beach Convention Center 40 Y Recertification, Fire Station No.3 Generator Replacement, Property Management Building Generator, North Shore Youth Center Generator and ATS, and South Point Park AHU Replacement.

Florida Atlantic University Continuing Services, Boca Raton, Florida
Projects included in the scope of this agreement will be specific for renovations, alterations, and additions that have a basic construction budget estimated to be $2,000,000 or less, or studies for which the fee for professional services is $200,000 or less. Services may be utilized on all FAU Campuses, special purpose centers/sites and instructional sites on an as needed basis. $2 million

Lake County MEP Continuing Services Master 2018 to 2-3-2023, Tavares, Florida
MEP engineering services provided under Contract RSQ 18-0439B for projects under $2 million in construction or $200,000 for studies. MEP / Master Agreement 2018

Lee County MEP Continuing Services, Fort Myers, Florida
Continuing services contract to provide miscellaneous mechanical, electrical, and plumbing design services.

CONTINUING SERVICES EXPERIENCE (CONTINUED)

Lee County MEP Continuing Services 03/2022 - 03/2023, Fort Myers, Florida
Continuing Services MEP 3/31/3022 - 3/30/2023

MEPS Support for Bussen-Mayer Civil Continuing Services Master Contract, Melbourne, Florida
As a subconsultant to Bussen and Mayer, TLC provides MEP and Structural engineering support for the City's water distribution system; wastewater collection, transmission and pumping systems; streets and roadways; recreational facilities; sidewalk and bikeways; and other City buildings and structures along with retrofitting existing systems.

Ormond Beach MEP Continuing Services Master Agreement, Ormond Beach, Florida
Prime contract for MEP Engineering services

St. Lucie County MEP 5-Year Continuing Services Master Contract (2019 - 2024), Fort Pierce, Florida
Prime contract for MEP Engineering Services for five years.

Structural Engineering 5-Year Continuing Services Master (2019-2024), Fort Pierce, Florida
Structural Engineering Continuing Services Contract from 9/2/2019 through 9/1/2024.

Tab 8. Representative Engineering Experience and Client References

Image Courtesy of Currie Sowards Aguila Architects

PLANTATION KEY COURTHOUSE & DETENTION FACILITY
Plantation Key, Florida

Monroe County consolidated several government offices in one complex built on an adjacent site to the existing courthouse. The 48,000 square foot facility houses the 16th Judicial Circuit of Florida, the State Attorney's Office, the Monroe County Clerk of Court's Office, the Sheriff's Office, Public Works Office, security services, and information technology.

The two-story courthouse includes three courtrooms, judges' chambers, and the Clerk of the Court's civil department, criminal offices, a new on-site parking garage, and an 11,000 square feet detention facility that sleeps 57 inmates.

TLC coordinated overhead and underground utility relocation, demolition of existing structures, relocation of key functions not remaining on-site, utility upgrades, signage, and lighting design.

The electrical design includes a critical operations power system, which includes two emergency standby generators utilizing a N+1 configuration, to deliver 100% backup power redundancy for the facility.

The automatic lighting control system for this building includes automatic receptacle controls using occupancy sensors in accordance with the 2017 Florida Building Code and ASHRAE 90.1-2013.

ARCHITECT
Currie Sowards Aguila Architects
Delray Beach, Florida

CONSTRUCTOR
Biltmore Construction Co., Inc.
Belleair, Florida

OWNER
Monroe County
Key West, Florida

MAJOR COMPONENTS
57-Bed Detention Facility
Critical Operations Power System
Automatic Lighting Control System

SIZE
48,000 square feet

CONSTRUCTION COST
$20 Million

COMPLETION DATE
2022

TLC SERVICES
Mechanical, Electrical, Plumbing, Fire Protection, Audio-Visual, Security, Voice-Data

REFERENCE:
Jose Aguila | Principal | Currie Sowards Aguila Architects
185 NE 4th Ave, Suite 101 Delray Beach, FL 33483
(561) 276-4951 | jose@csa-architects.com

Image Courtesy of Bender & Associates Architects

JOSEPHINE PARKER CITY HALL AT HISTORIC GLYNN R. ARCHER SCHOOL

Key West, Florida

A historic 1920's building underwent an adaptive reuse from a two-story elementary school to the City of Key West's new City Hall. The 37,000 square foot facility has two structures connected by an outside walkway. The City is committed to sustainable building practices and set a challenging goal for the project of LEED Platinum certification, the highest designation awarded by the USGBC.

TLC was retained to help achieve this goal by providing energy modeling as well as LEED fundamental and enhanced commissioning services. TLC used IES Virtual Environment software to prepare energy models comparing the building's design energy usage with the ASHRAE Standard 90.1-2007 baseline building.

Building envelope, HVAC and lighting system options were analyzed to develop the most efficient building possible. Energy modeling helped the team make informed design decisions that are projected to improve the building's energy performance by 44% over the baseline. Among the implemented energy and water savings measures are roof surfaces with high SRI values to reduce the heat island effect, high-performance glazing to minimize heat gains and losses and cisterns to collect and reuse rainwater for irrigation.

Original design elements such as large historic windows were restored to allow sunlight to enter into the building and reduce the need for artificial lighting. A 70kW photovoltaic array / parking canopy is estimated to generate 25% of the building's annual energy consumption and can be easily expanded in the future.

TLC commissioned the mechanical, electrical, lighting, lighting control, plumbing and solar photovoltaic generation systems to verify that they operated as intended. Through sustainable design, energy modeling and commissioning, the Key West City Hall minimizes its carbon footprint and is on track to attaining LEED Platinum certification.

REFERENCE:

David Salay | Bender & Associates Architects
410 Angela Street Key West, FL 33040
(305) 296-1347 | dsalay@benderarchitects.com

ARCHITECT
Bender & Associates
Miami, Florida

CONSTRUCTOR
Burke Construction Group, Inc.
Doral, Florida

OWNER
City of Key West
Key West, Florida

MAJOR COMPONENTS
Offices
Council Chamber
Conference Rooms
Lobby Space
Electric Car Chargers

SIZE
37,000 square feet

CONSTRUCTION COST
$19 Million

COMPLETION DATE
2017

TLC SERVICES
Energy Modeling, Fundamental and Enhanced Commissioning

Certified LEED NC v2009 Platinum, 2018

CITY OF MIAMI BEACH CONTINUING SERVICES CONTRACTS
Miami Beach, Florida

TLC has held two consecutive continuing services contract with the City of Miami Beach since 2009. Task order projects that TLC has worked on under this contract include:

777 Building HVAC Replacement: TLC designed a new energy-efficient, water-cooled chilled water system for this five-story building, including variable air volume air handlers with electronic DDC controls.

City Hall Fire Alarm Upgrade: The existing fire alarm system remained in place until the code-compliant fire alarm system had been installed and approved by the City of Miami Beach Fire Department.

Parking Lot Upgrades: Electrical lighting design for three parking lots. Lot 4D's design incorporates a stormwater harvesting system interfaced with the irrigation system for landscaping purposes.

City Hall AHU Replacement: One of the main challenges was to keep the building operational during the replacement of nine AHUs. Improvements to the chilled water system were completed as well. TLC retrofitted of the building automation in order to accommodate the more modern and energy-efficient technologies included in this effort.

Fire Station #4 Assessment and HVAC Upgrades: Detailed site investigation for the two-story fire station included analysis of existing HVAC and electrical systems. TLC subsequently designed and implemented the replacement of all existing AHUs.

10th Street Auditorium & Bass Museum of Art: Replacement of the building automation system, including master controllers, backbone and user interface.

Police Station Renovations: Renovations involved replacement of variable frequency drives for all eight air handing units, along with replacement of all VAV boxes.

REFERENCE:

Jorge Guanchez | Facilities Capital Projects Coordinator | City of Miami Beach
1833 Bay Road Miami Beach, FL 33139
(305) 673-7000 | jorgeguanchez@miamibeachfl.gov

PRIME CONSULTANT
TLC Engineering Solutions

OWNER
City of Miami Beach

CONSTRUCTION COST
< $2 Million (each project)

COMPLETION DATE
First Contract:
2009 – 2014

Second Contract:
2015 – Ongoing

TLC SERVICES
Mechanical, Electrical, Plumbing

CITY OF BOCA RATON CONTINUING SERVICES CONTRACTS
Boca Raton, Florida

TLC has been working with the City of Boca Raton since 2003 under two consecutive continuing services contracts. Recent projects have consisted of assessments for several of their facilities and HVAC upgrades as a result of the recommendations provided by TLC. All facilities remained operational during renovations.

Selected task order projects completed under these contracts include:

CCTV for City Parks: CCTV system to provide coverage of the parking lots in Sugar Sand Park, Lake Wyman Community Park, Patch Reef Park, Hughes Park and Sand Pine Park.

City Hall: An addition to the IT room required the design of back-up A/C, UPS and dry chemical fire suppression, as well as upgrading existing chillers.

Municipal Library: Extensive charrettes involving the community and library staff led to the programming of a new building that incorporates green technologies and materials and is eligible for LEED Certification. The library includes areas for collections, computers, patron seating, employee workspace and public amenities such as a coffee bar, bookstore and 200-seat multipurpose meeting room.

City Hall and Community Center: Upgrades for the connections from the relocated transfer switches to the City Hall/Community Center, including exhaust ventilation of existing Florida Power Light vault.

Sugar Sand Park Community Center: Review of the Test and Balance Report and recommendations for remedial work to reconcile temperature or humidity anomalies.

PRIME CONSULTANT
TLC Engineering Solutions

OWNER
City of Boca Raton

CONSTRUCTION COST
<$2,000,000
(each project)

COMPLETION DATE
First Contract:
2003 – 2014

Second Contract:
2015 – Ongoing

TLC SERVICES
Mechanical, Electrical, Plumbing

REFERENCE:

Paul Zahn | Assistant Facilities Manager |City of Boca Raton, Municipal Services Department
201 W Palmetto Park Road Boca Raton, FL 33432
Office 561-416-3421 | Mobile 561-212-9349 | PZahn@ci.boca-raton.fl.us

MONROE COUNTY PROJECT EXPERIENCE
Monroe County, Florida

Since 2020, TLC has provided mechanical and electrical engineering design services as a sub-consultant to Bender & Associates for their continuing services contracts to Monroe County. Recently, we were awarded the Wind Retrofit and Facility Assessment Contract for ten facilities throughout Monroe County.

West Martello Fort, Key West, FL
Installation of two (2) ductless mini split A/C units to provide A/C to a 1000 s.f. area at the east side of the Fort.

East Martello Fort, Key West, FL
Removal of the mini split units, and installation of a central A/C system with fresh air & dehumidifiers for the art gallery at the East Martello Fort.

Bishop House Key West, Key West, FL
Addition of an air conditioning system to the historic building (1,300 sqft), as well as repair of the existing plumbing system for a historic facility, Elizabeth Bishop House. Electrical system has been renovated, there is a new 200A panel in the house. TLC's electrical scope consists of adding a new AC system to the panel and revising the existing panel schedule.

Pigeon Key Electrical Design, Pigeon Key, FL
Mechanical & Electrical engineering services for the project which consists of providing electrical design for the renovation of two (2) single story historic wood framed building at Pigeon Key. The electrical systems will be all new. Pigeon Key is off the grid, and running on a generator.

Monroe County Facility Assessment and Wind Retrofit, Key West, Florida
Assessment and design to protect ten public facilities in Monroe County. Includes providing wind protection on any roof mounted HVAC and electrical equipment including vents, louvers, and fans.

ARCHITECT
Bender & Associates

OWNER
Monroe County

COMPLETION DATE
Ongoing

TLC SERVICES
Mechanical, Electrical

REFERENCE:
David Salay | Bender & Associates Architects
410 Angela Street Key West, FL 33040
(305) 296-1347 | dsalay@benderarchitects.com

Tab 9. Sworn Statements and Affidavits

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

I the undersigned hereby duly sworn, depose and say that no portion of the sum herein response will be paid to any employee of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

BY:_____

sworn and prescribed before me this 1st day of Dec, 2022

NOTARY PUBLIC, State of Florida

MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

My commission expires:
11/16/2025

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)
: SS
COUNTY OF MONROE)

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: _____

Sworn and subscribed before me this

1st day of December, 2022.

_____
NOTARY PUBLIC, State of Florida at Large

MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

My Commission Expires: 11/16/2025

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS,

1. This sworn statement is submitted for Erick Gonzalez, PE
(print individual's name and title)

by TLC Engineering Solutions, Inc.
(print name of entity submitting sworn statement)

whose business address is 5757 Blue Lagoon Dr., Ste 400

and (if applicable) its Federal Employer Identification Number (FEIN) is
59-1228645

(if the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement): _____

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "conviction" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 01, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

   a. A predecessor or successor of a person convicted of a public entity crime: or

   b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime.

The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members and agent who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment of income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statute means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement (indicate which statement applies).

X Neither the entity submitting this sworn statement, or any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 01, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 01, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list (attach a copy of the final order.

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR THE CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____

(SIGNATURE)

12/01/2022

_____

(DATE)

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

PERSONALLY APPEARED BEFORE ME the undersigned authority _____ who, after first being sworn by me,
(name of individual)
affixed his/her signature in the space provided above on this
December day of 01, 2022

_____ NOTARY PUBLIC

My commission expires: 11/16/2025

NOTARY PUBLIC STATE OF FLORIDA
MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF FLORIDA)

: SS

COUNTY OF MIAMI-DADE)

I, the undersigned hereby duly sworn, depose and say that the firm of TLC Engineering Solutions, Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: _____

Sworn and subscribed before me this 01 day of December 20 22.

NOTARY PUBLIC, State of FLORIDA at Large

My Commission Expires: 11/16/2025

NOTARY PUBLIC STATE OF FLORIDA
MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

CONE OF SILENCE AFFIDAVIT

Pursuant to City of Key West Code of Ordinances Section 2-773 (attached below)

STATE OF FLORIDA)
: SS
COUNTY OF MIAMI-DADE)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of TLC Engineering Solutions, Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached). Sworn and subscribed before me this

01 day of December, 2022.

MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

NOTARY PUBLLIC, State of FLORIDA at Large

My Commission Expires: 11/16/2025

Erick Gonzalez, PE
Principal | Regional Director

Sec. 2-773. Cone of Silence.

(a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

(1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Completive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.

(2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.

(3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.

(4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.

(5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a engineer, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.

(b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:

(1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;

(2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;

(3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and

(4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.

(c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:

(1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;

(2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.

(A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.

(B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;

(3) Oral communications at duly noticed pre-bid conferences;

(4) Oral presentations before publicly noticed evaluation and/or selection committees;

(5) Contract discussions during any duly noticed public meeting;

(6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;

(7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or

(8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;

(d) *Procedure.*

(1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.

(2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation or takes other action which ends the competitive solicitation.

(3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) *Violations/penalties and procedures.*

(1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

(2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.

(3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.

(4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.

(5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section. *(Ord. No. 13-11, § 1, 6-18-2013)*

CITY OF KEY WEST INDEMNIFICATION FORM

PROPOSER agrees to protect, defend, indemnify, save and hold harmless The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, City's Engineer, agents, servants and employees, including volunteers, from and against any and all claims, debts, demands, expense and liability arising out of injury or death to any person or the damage, loss of destruction of any property which may occur or in any way grow out of any act or omission of the PROPOSER, its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by the City as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, agents, servants and employees. The PROPOSER agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent. The City of Key West does not waive any of its sovereign immunity rights, including but not limited to, those expressed in Section 768.28, Florida Statutes.

These indemnifications shall survive the term of this agreement. In the event that any action or proceeding is brought against the City of Key West by reason of such claim or demand, PROPOSER shall, upon written notice from the City of Key West, resist and defend such action or proceeding by counsel satisfactory to the City of Key West.

The indemnification provided above shall obligate PROPOSER to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description covered above which may be brought against the City of Key West whether performed by PROPOSER, or persons employed or utilized by PROPOSER.

The PROPOSER's obligation under this provision shall not be limited in any way by the agreed upon Contract Price as shown in this agreement, or the PROPOSER's limit of or lack of sufficient insurance protection.

COMPANY SEAL

PROPOSER:

5757 Blue Lagoon Dr., Ste 400

Address

Signature

H. Erick Gonzalez

Print Name

12/01/2022

Date

Principal | Regional Director

Title

NOTARY FOR THE PROPOSER

STATE OF__ FLORIDA

COUNTY OF_ MIAMI-DADE

The foregoing instrument was acknowledged before me this 01 day of Dec., 20 22. By Erick Gonzalez of TLC Engineering (Name of officer or agent, title of officer or agent) Name of corporation acknowledging)

or has produced_____as identification.

MARIO LUIS FERNANDEZ
MY COMMISSION # HH192968
EXPIRES: November 16, 2025

Signature of Notary

Return Completed form with Print, Type or Stamp Name of Notary

Supporting documents to: City of Key West Purchasing

Title or Rank

TLC ENGINEERING SOLUTIONS

THINK. LISTEN. CREATE.

www.tlc-engineers.com