



## FIRM OVERVIEW

TLC Engineering Solutions provides high-performance engineering design and consulting 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, with a specialty in healthcare.

Headquartered in Orlando, Florida, we have 25 offices throughout the United States to serve our clients.

Through our Healthcare Center of Excellence, we offer a team of more than 275 engineers, designers, and energy management professionals dedicated to healthcare facilities. This group is supported by the firm-wide resources of 500+ employees.

Whether designing a new hospital or renovating a healthcare facility, we collaborate with teams to engineer sustainable building systems and develop leading-edge technology that benefits patients and staff. We also build resiliency into our designs, keeping hospitals running safely while contributing to patient comfort. By designing healthcare facilities with flexibility, resiliency, and energy efficiency in mind, we contribute to saving lives in a positive and impactful way.

## SERVICES

Mechanical, Electrical, Plumbing, and Fire Protection Engineering

Energy Services

Structural Engineering

Technology Design

Life Safety Consulting

Acoustical Design

## FOUNDED

# 1955

## 2024 RANKINGS

ENR SE Top Design Firms, Healthcare — #2

Building Design + Construction Top 90 Engineering + EA Firms, Healthcare — #18

Consulting-Specifying Engineer Top 100 MEP Giants — #30

## BY THE NUMBERS

25 Offices Nationwide

275+ Dedicated Healthcare Professionals

500+ Employees

## MAJOR MARKETS



Healthcare



Education



Aviation



Entertainment



Government



Commercial

## EXPERIENCE LIST

### **Baptist Health South Florida - Mariners Hospital Water Tank Replacement, Tavernier, Florida**

Replacement of the existing AHU-3 and EF feeding pharmacy hood. \$600,000 / 2024 / MEP / FP / Structural

### **Broward General Medical Center Foundation Analysis, Fort Lauderdale, Florida**

Structural evaluation of existing building deep foundation at 6-story medical center to determine expected pile tension forces and verify if existing reinforcement is sufficient. 2025 / Structural

### **Mount Sinai Medical Center De Hirsch Tower AHU 38 & 39 Replacement, Miami Beach, Florida**

Design to replace AHU 38 and 39 within the De Hirsch Tower. Structural scope includes assessment of existing slab for weight of equipment and slab or beam detail to support new AHU. Mechanical / Electrical / Structural

### **Small Batch Medical Solutions Manufacturer Facility Condition Assessment, Miami, Florida**

Facility Condition Assessment (FCA) of an existing two-story building as part of its Due Diligence phase. This portion of the project will consist of visual observations and assessment of the existing systems. 25,000 sf total with approximately 10,000 sf of clean rooms (ISO 8). MEP / Structural / Technology / Security

### **Ascension St. Vincent's Riverside Hospital Garage Condition Assessments, Jacksonville, Florida**

Performed condition assessments for three of St. Vincent Riverside's multi-story garages. Project included condition assessments, findings reports, and repair recommendations for the King Street, Dillon, and DePaul parking garages. 2024 / Structural

### **Ascension Medical Group St. Vincent's Primary Care Wall, Jacksonville, Florida**

Condition assessment of an exterior wall of a medical office building. Provided a findings report and repair documentation to address areas of concern following the assessment. 2024 / Structural

### **UnitedHealthcare Behavioral Health Evaluation, Orlando, Florida**

Evaluation and assessment of the capacity of in-place steel-framed building for change of use. 2021 / Structural

### **Willow Wood Senior Living Assessment, Ft. Lauderdale, Florida**

Assessment study of two 25-year old buildings including extensive onsite survey of existing conditions of all major infrastructure components indicating equipment age, condition and recommended service life. Phase II includes recommendations for upgrades including coordination with the architect/owner with schematic design options. 200,000 sf / 2021 / MEP / FP / Structural

### **Select Specialty Hospital Savannah ARJO Lift Assessment, Savannah, Georgia**

Structural analysis of existing structural system to support the addition of new ARJO patient lift system. Identical ARJO lift systems will be added to two rooms (454 and 489). TLC is provided a structural analysis to determine if the existing structural framing had enough capacity to support the 1,000lb point loads. 2024 / Structural

### **5101 Biscayne Blvd Assessment, Miami, Florida**

Assessment of an existing two-story building. Provided documentation of current and visible conditions of the structure. \$250,000 / 5,000 sf / 2025 / Structural

### **Sunrise Commons Assessment, Homestead, Florida**

Structural assessment of existing six-story building conventionally reinforced CIP slabs (6" thick). Provided documentation of current and visible conditions of the structure. 10,000 sf / 2025 / Structural

## EXPERIENCE LIST

### **AdventHealth Palm Coast Chiller Addition, Palm Coast, Florida**

Addition of a new chiller, cooling tower, pipes, and pumps (PCHW, SCHW, CW). Provided structural assessment of existing conditions, dimensions, and sizes of support framing. Reinforced framing to support new equipment and designed new pipe supports. \$1.5 million / 2025 / Mechanical / Electrical / Structural

### **Mount Sinai Medical Center Level 2 Wound Care Suite Renovation, Miami Beach, Florida**

Renovation on the 2nd floor of the Orovitz Radiology Building to accommodate a new Wound Care Center, including the installation of two new Class B hyperbaric chambers, as well as the replacement of the existing UAM-3 with new HVAC equipment, the reconfiguration of UAM-5 ductwork distribution, and a structural engineering assessment to determine the necessary provisions for supporting the new hyperbaric chambers. \$2.4 million / 4,000 sf / 2025 / MEP / FP / Structural

### **Baptist Medical Center IS Data Center Assessment, Jacksonville, Florida**

Assessment of the MEP systems and Structural/Envelope system. MEP / Structural

### **Miami-Dade Pre-Trial Detention Center Pedestrian Bridge Assessment, Miami, Florida**

Condition assessment of precast concrete façade and pedestrian bridge that links the Miami-Dade Pre-Trial Detention Center with the Courthouse. 2019 / Structural

### **Miami-Dade County Facility Assessments, Miami, Florida**

Facility assessments for 40 Miami-Dade County properties. Facilities house multiple functions including Miami-Dade Police Department and Miami-Dade Parks and Recreation Department.

### **2940 Collins Ave 30-Year Recertification, Miami Beach, Florida**

Structural and Electrical recertification of an existing 8-story hotel. Provided finding reports findings and recommendations following the assessment. 40,300 sf / 2025 / Electrical / Structural

### **427 Building 40-year Recertification, Miami Beach, Florida**

Evaluate the general electrical conditions of the existing facilities and site relevant to the requirements of the Florida building code 2004.

### **Bluegreen Hammocks 40-Year Recertification, Marathon, Florida**

Recertification Electrical and Structural inspection to comply with City of Marathon Ordinance 2021-29. Three story timeshare structure with open parking lot. 2022 / Electrical / Structural

### **Bluegreen Solara Surfside 40-Year Electrical Recertification, Surfside, Florida**

40-year electrical recertification inspection and report including thermographic survey as required by Miami-Dade County. 2022 / Electrical