



ENGINEERS
ARCHITECTS
MEP / ENERGY SERVICES
DRONE SERVICES
LITIGATION SUPPORT
RESTORATION SPECIALISTS



FL Board of Professional Engineers #30510

Connecticut Delaware Florida Maryland New Jersey New York Pennsylvania Virginia Washington, D.C.



THE FALCON DIFFERENCE

BUSINESS FOCUS & EFFICIENT PROJECT MANAGEMENT

Our project management and financial overview process allows us to consistently deliver projects on schedule and within your budget. We are able to minimize our clients' expenditures while maximizing savings and return on investment.

SUPERIOR RESULTS

Our staff holds the highest level of skillsets and certifications for any job, which in turn yields a higher-level of craftsmanship.

CREATIVITY, FLEXIBILITY & INGENUITY

Having a seasoned, diverse staff with many different backgrounds allows us to customize solutions for specific situations creatively and effectively solving problems as they arise.

ACTIVELY ENGAGED SENIOR MANAGEMENT

Our Principals maintain a visible role on projects to ensure that relevant issues will be anticipated and resolved in a timely fashion.

ACCESSIBLE STAFF & UNPARALLELED PERSONAL ATTENTION

Our clients have peace of mind knowing we are "always on the job" 24 hours a day, 7 days a week. We are personally available to address any issues or emergencies that may arise while monitoring your projects progress.

RESPONSIVE, PROACTIVE & TIMELY COMMUNICATION

We are diligent about keeping clients informed regarding the status of all projects.

EXCEPTIONAL SERVICES

The Falcon Group is a unique, full-service Engineering, Architectural & Energy Consulting firm. Falcon's primary focus is on restoring and evaluating existing facilities ranging from site, building envelope and energy improvements. Our full-service capabilities focus on your building's specific needs. Falcon's mission is to ensure each of our clients are held at the highest level of individualized service.

Falcon takes pride in our work to ensure that our client expectations are exceeded every single time. We look forward to partnering with you on your next successful project.

STAFF CREDENTIALS

APRA – Certified Professional Reserve Analysts

BCxA – Building Commissioning Association

AEE – CEM / Association of Energy Engineers

CPSI – Certified Playground Safety Inspector

HHS – High-Rise / Hazardous Specialists, Building & Fire Inspectors

ICC – International Code Council Certified Building & Mechanical Inspectors

ICS – Industrial / Commercial Specialists, Building & Fire Inspectors

LEVEL I – Certified Infrared Thermographers

LEED AP – Leadership in Energy & Environmental Design Accredited Professionals

Licensed Landscape Architect

LLS – Licensed Land Surveyor

ME – Licensed Mechanical Engineers in NJ, NY, PA

NCARB – National Council of Architectural Registration Boards

NFPA – Fire Prevention Inspector

NJ – New Jersey Special Inspectors Certification for EIFS (Exterior Insulation & Finish System) & Concrete

NYC – Class 2 Special Inspection Agency

PE – Licensed Professional Engineers in CT, DC, DE, FL, MD, NJ, NY, PA, SC, VA, VT

Post-Disaster Safety Assessment Evaluators (Architecture & Engineering)

RA – Registered Architect, DE, FL, MD, NJ, NY, PA, WDC, VA, FL

RCS – Licensed Residential Construction Specialists / Building Inspectors

RRC – Registered Roof Consultants with the Roof Consultants Institute

RRO – Registered Roof Observer

RS – Community Associations Institute Certified Reserve Specialists

SAP Evaluator – Safety Assessment Program



TURNOVER REPORTS

Our experience with existing multi-family and single-family developments provides us with a wealth of insight, and foresight, regarding potential construction problems and deficiencies. We are well-equipped to support Associations at every phase of the transition process.

- Third Party Plan / Alteration Review
- Site / Building Plan Review & Analysis
- Resident Surveys
- Detailed Interior & Exterior Inspections & Measurements
- Anticipate & Identify Design Flaws & Code Violations
- Forecast Impact of Construction Defects
- Provide Appropriate, Timely & Cost-effective Solutions
- Expert Testimony & Mediation Services

CAPITAL RESERVE STUDIES

The primary purpose of a Capital Reserve Study is to offer recommendations as to the amount of money a community, building or other organization should set aside on a yearly basis for the future replacement or major refurbishment of their commonly owned elements. A properly funded reserve program is essential to keeping a community's physical assets in prime condition. We recommend updating your Capital Reserve Study every three (3) years.

Value

- Sustain / Increase Property Value By Upholding Exterior Appearances Through Timely Repair or Replacement of Common Elements
- Facilitating Project Efficiency & Cost Effectiveness
- Minimize Disruptions & Inconveniences
- Reduce Member Dissatisfaction Associated with the Passage of Large or Sudden Assessments

Process

- Inspection
- Evaluation for Repair / Replacement
- Develop Realistic Repair / Replacement Plans & Budgets
- Prepare a Comprehensive Report in Accordance with CAI & APRA Standards & Guidelines





FAÇADE INSPECTION & CONCRETE RESTORATION

With years of experience gained from working with a variety of building types and cladding systems, we have developed specialized expertise in investigating and evaluating aging building façades. The Falcon Group will assist your facility by identifying and preparing scope of work for deteriorated concrete. Restoration of the structure's concrete is vital to maintaining its ability to resist forces.

- Project Planning, Budgeting & Management
- Evaluation of Thermal & Moisture Concerns
- Non-destructive Test Methods to Identify Concealed Defects
- Identification of Deteriorated Components & Potentially Unsafe Conditions
- Development of Repair & Bid Plans
- Seawall & Bulkhead Investigations
- Facilitate Compliance with Local Building Department Requirements
- Specifications for Building Repair & Maintenance
- Construction Administration & Inspection
- Coordination & Facilitation of Drawings, Plan Filings & Approvals from the Local Building Department
- Drone Inspections

OWNERS REP & CONSTRUCTION ADMINISTRATION

We understand that construction, infrastructure and refurbishment projects are complex and multi-faceted. Meeting and anticipating client needs for project success demands a comprehensive, hands-on, approach. We fuse expert technical credentials with first-rate management skills to facilitate successful projects.

Our projects are:

- Properly Planned & Designed
- Effectively Bid & Correctly Managed
- Delivered on Schedule, Within Budget & In Compliance With Specifications & Applicable Building Codes

Our services:

- Preparation of Construction Documents
- Cost Estimate Preparation / Review
- Bid Specification Development
- Bid Administration Process
- Pre-construction Advisory / Meetings With Contractors, Owners & Managers
- Comprehensive Construction / Work Inspections
- Punchlist Preparation, Quantity / Invoice Verification, Payment Authorization





ROOF CONSULTING

Our multi-disciplinary in-house staff is unique in the roof consulting field. We are able to look beyond just the roof to understand the entire envelope, structure and mechanical systems of a building, allowing us to better identify the most appropriate roofing repair and replacement strategies.

- Roof Inspections
- Storm Damage Inspections
- Insurance Claim Inspections
- Moisture Surveys
- Expert Testimony / Expert Witness
- Drone Inspections
- Plans & Specifications for Roof Replacement & Repair
- Project Management
- Preventive Maintenance
- Cool Roof & Green Roof Designs

40 / 50 YEAR RECERTIFICATION INSPECTION

The "Recertification Inspection" is a requirement of both Broward and Miami-Dade counties. These requirements are for buildings over 40 year's old that will determine the buildings structural and electrical safety. These inspections must be done by or under the supervision of a qualified, Professional Engineer or Architect every 10 years. Our experts are well-versed in the requirements of each county and can assist with the entire recertification process, as well as cost-effective remediation designs of any issues that may arise.





STORM DAMAGE ASSESSMENT

In the unfortunate but ever so common aftermath of flood, fire, wind, hail, hurricanes or other catastrophic events, The Falcon Group is ready to immediately respond to your needs by mobilizing a team of professionals to perform damage assessments. This team will consist of Professional Engineers, Licensed Architects, Building Code and Construction Experts and Insurance Adjusters who are able to expertly document and assess the damage with the proper equipment and personnel. Falcon has all the resources on hand as a result of our in-house multi-disciplinary civil, structural, mechanical, forensic and design teams, which means we will be involved from evaluation through remediation. We are ready to help you put your homes and buildings back together and assist you through the insurance recovery and rebuilding process.

LITIGATION SUPPORT

For virtually any type of property or project, Falcon’s Litigation Department provides a variety of analytic and related services to assist clients in obtaining successful litigation outcomes with a proven track record of recoveries exceeding \$100 million for our clients. Our expert engineering and architecture staff is on hand to partner with our litigators.

- Developer Transition / Turnover
- Construction Defect Reports & Claims
- Infrared Imaging
- Storm Damage Assessment & Insurance Claims
- Cost to Cure Estimate
- Light & Air Studies
- Material Defect Claims
- Expert Witness / Professional Testimony
- Mediation / Arbitration Services





MEP / ENERGY SERVICES

Our expert team of licensed and accredited engineers and architects provide the most comprehensive services in our industry for assessment, design services and project administration. We offer full-service mechanical, electrical and plumbing (MEP) designs and specifications, inspections, troubleshooting, building commissioning and energy studies.

- Energy Audits
- Mechanical, Electrical, Plumbing Analysis / Design
- Building Modeling & Simulation Commissioning
- Sub-metering Analysis / Design
- Testing, Adjusting & Balancing
- Renewable Energy
- Feasibility Studies
- Life Cycle Evaluations
- Control System Analysis / Design
- Energy Rebate & Incentive Analysis
- Solar & Alternative Energy Design
- Benchmarking



ELSS – ENGINEERED LIFE SAFETY SYSTEMS

The Florida Fire Prevention Code is a part of the Florida Statute Chapter 633 and is based on the National Fire Protection Association Fire Code (NFPA 1) along with the Life Safety Code (NFPA 101). Chapter 31, Section 3.5.11 of the Life Safety Code, as amended by the Florida Fire Prevention Code, requires all “high-rise” buildings to be protected throughout by an approved, automatic fire sprinkler system. The Florida Fire Prevention Code allows an “Engineered Life Safety System” (ELSS) as an alternative to the fire sprinkler system. If you have yet to opt-out of the complete fire sprinkler systems and are still able to modify on this complicated and continuously changing topic, your facility should seek professional advice from a qualified engineer whom is familiar with local requirements, as well as from the association’s legal counsel. Contacting a professional will help determine the most cost effective solution implemented to fit the needs of your building.





STRUCTURAL & CIVIL ENGINEERING

The Falcon Group uses classical design methods, along with current software, to analyze existing structures and design new structural elements and systems. We have experience in all types of structural systems, specializing in the evaluation, analysis and design of the repair, rehabilitation and adaptive reuse of existing structures.

- Seawall Investigations
- Sites & Subdivisions
- Recreational Facilities
- Roadway / Parking Improvement Design
- Retaining Walls
- Site Drainage Improvements
- Stormwater Analysis
- Roof Systems
- Building Cladding / Waterproofing
- Mechanical, Electrical & Plumbing Design
- Curtain Walls
- Building Foundation Waterproofing
- Parking Garage Design & Renovation
- Site / Building Capital Improvements
- Soils Investigation / Subsurface Disposal
- EIFS / Stucco Remediation
- Water Distribution & Plumbing Systems
- HVAC (Boilers, Chillers, Cooling Towers)
- Fire Reconstruction
- Commercial Architecture
- Foundation Evaluation
- Wind Analysis
- Land Use Planning
- 3rd Party Review Services

DRONES

Aerial photo, videography and imaging services elevates projects to new heights, ensuring inspection and analysis happen faster. Our industrial-grade drones deliver the newest, most innovative aerial imaging solutions. As pioneers in Droneengineering, our expert engineers operating the drones know what information to capture and where to focus.

- 🌀 Inspect Roofs, Façades & Vegetation
- 🌀 Scanning for Timely Construction Updates
- 🌀 Disaster Recovery Surveying for Insurance Claims
- 🌀 Supporting Data for Forensics Engineering
- 🌀 New Construction & Renovation Progress Monitoring & Documentation
- 🌀 Promotion & Website Enhancement





ARCHITECTURE

From conception to creation, we provide inspired architecture. Our well-conceived designs are strategically sculpted for function but aesthetically shaped for beauty. We specialize in blending new with the old and our clients receive customized services and personalized attention from a licensed architect ensuring a high-quality design tailored to their needs.

- New Construction
- ADA Analysis & Compliance Renovations
- Design Development
- Building Code Review
- Fire & Water Damage Reconstruction
- Tenant Fit Out
- Residential Renovations
- Office & Retail
- Site Design
- Single or Multi-family Residential
- Zoning Analysis
- Interior Design

HOSPITALITY, RETAIL & EDUCATIONAL FACILITIES

From small retail boutiques to major corporate hotel chains and large public universities, we have an excellent record of performance in meeting schedule and budget requirements. With a focus on project completion, with minimal disturbance to your guests, clients or students, our team works with your facilities team and contractors to maximize revenue and minimize disruption.

- New Construction, Additions & Renovations
- Building or System Assessments & Feasibility Studies
- Energy Audits & Benchmarking
- Production of Construction Documents & Bid Review
- Project Management
- Sites & Subdivisions
- Zoning & Site Analysis
- Design Development Through Occupancy
- Interior Design & Fit Out
- Knowledge of Local Codes & Construction Methods
- Adaptive Reuse of Existing Facilities





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