



ENGINEERS

ARCHITECTS

MEP / ENERGY SERVICES

LITIGATION SUPPORT

RESTORATION SPECIALISTS

DRONE SERVICES



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



CIVIL ENGINEERING

The Falcon Group's civil engineers have extensive training and the professional expertise to provide unmatched services. As your partner, we supply the planning, design and supervise the construction tailored to your specific needs.

- Wind & Seismic Analysis
- Land Use Planning
- Land Surveying / GPS
- Site & Subdivision Design
- 3rd Party Review Services
- Municipal Engineering
- Landscape / Lighting Plans
- Recreational Facility Designs
- Roadway / Parking Improvement Design
- Stormwater Management Analysis
- Drainage Analysis & Design
- Retaining Wall Design
- Basement Water / Foundation Repair Design
- Construction Stake-out
- Construction Observation

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





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

TRANSITION ENGINEERING EVALUATIONS

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.

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





ARCHITECTURE

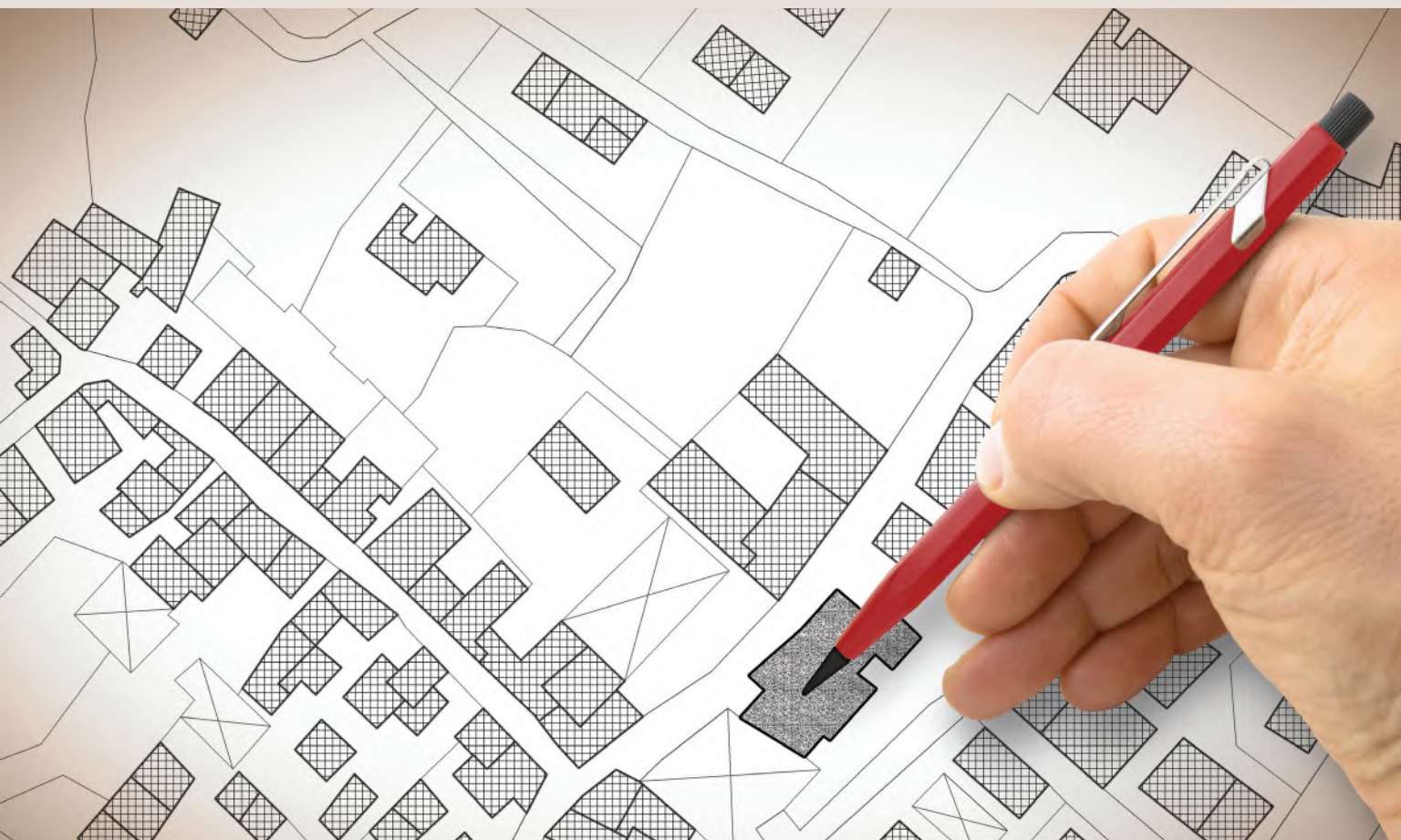
From conception to creation, we provide inspired architecture. Our well-conceived designs are strategically sculpted for function but aesthetically shaped for beauty. We specialize in blending new with the old and our clients receive customized services and personalized attention from a licensed architect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

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

DESIGN PLANS & SPECIFICATIONS

Clients receive customized, well-conceived design plans and specifications for initial, as well as remedial, site and building-related construction projects. We take great pride in ensuring that all our recommendations are practical, economically feasible and efficient.

- Building Cladding / Waterproofing
- EIFS / Stucco Remediation
- Curtain Walls
- Roof Systems
- Building Foundation Waterproofing
- Fire Reconstruction
- Parking Garage Restoration
- Recreational Facilities
- Retaining Walls
- Sidewalk Vaults
- Commercial Architecture
- Site / Building Capital Improvements
- Asphalt Roadway / Driveway / Parking Area Improvements
- Site Drainage Improvements
- Stormwater Analysis
- Soils Investigation / Subsurface Disposal
- Mechanical, Electrical & Plumbing Design
- Water Distribution & Plumbing Systems
- HVAC (Boilers, Chillers, Cooling Towers)
- Sites & Subdivisions





STRUCTURAL & BUILDING ENVELOPE

Our structural engineers will design, plan and execute your project, tailored to suit each individual's specific needs and budgets. Our engineers will inspect all materials used to ensure the strength and stability of your structure from low-, mid-, to high-rise structures and facilities. Falcon's engineers pride themselves on ensuring the services and recommendations provided to each of our clients are held at the desired level of individualized care and attention.

- Building Condition Assessment
- Storm Damage Assessment
- Design Specifications
- Emergency Repair Design Services
- Construction Defect Reports & Claim Administration
- Construction Project Management
- Siding Replacement Specifications
- Roof Replacement Specifications
- Parking Garage Design & Renovation
- EIFS (Synthetic Stucco) / Stucco Investigations
- Concrete Design, Waterproofing & Repairs
- Fire & Flood Reconstruction Plans & Management
- Tenant Separation Analysis for Fire Protection / Sound Analysis
- Expert Witness Reports / Professional Testimony

FAÇADE INSPECTION

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, designing appropriate, long-lasting economical repairs and providing the necessary oversight to ensure proper construction.

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





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
- Promotion & Website Enhancement
- Supporting Data for Forensic Engineering
- New Construction & Renovation Progress Monitoring & Documentation
- Disaster Recovery Surveying for Insurance Claims

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





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

CONSTRUCTION ADMINISTRATION & INSPECTION

Effective administration and inspection can reduce costs. Our years of experience allow us to anticipate and avoid mistakes or omissions, which may materially alter a project's schedule, cost, outcome or benefit for our clients.

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





LAND SURVEYING

The Falcon Group uses the latest technology to provide for a wide variety of surveys for a diverse range of clients. Through the use of sophisticated computer software, such as digitizing and CAD equipment, we consistently produce accurate and timely surveys.

- Topographic
- Photogrammetric
- Boundary-single / Multi-family Lots
- Triangulation
- Construction-layout / Stakeout
- Control & Geodetic
- Commercial & Residential Subdivisions
- Flood Certificate / FEMA
- Deeds
- Bank Transactions
- Utility Location Compilation
- Boroscope
- Electrical
- Thermographic

CONSTRUCTION & MATERIAL TESTING

Sites, buildings and their systems require ongoing monitoring and maintenance to ensure that they fulfill their designed purpose. Weather, age, natural disaster, poor construction, and substandard materials all contribute to deterioration. We offer a complete range of testing services to anticipate and diagnose potential and current problems.

- Pavement Coring
- Concrete Coring & Testing
- Mold Testing
- EIFS / Stucco Moisture Testing
- Lighting Analysis
- Temperature
- Water Pressure Evaluation
- Sound Transmission
- Roofing Moisture Surveys
- Structural Movement Monitoring
- Window, Siding, Roofing, Insulation Destructive & Non-destructive Testing & Analysis
- HVAC Systems
- Piping Condition





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