



# The Falcon Group

ENGINEERS, ARCHITECTS AND RESERVE SPECIALISTS

## William Pyznar, B.S.A.E., B.S.C.E., P.E. *Principal*

### EDUCATION:

Bachelor of Science, Architectural Engineering, Drexel University

Bachelor of Science, Civil Engineering, Drexel University

### LICENSES/CERTIFICATIONS:

Licensed Professional Engineer – P.E.

Connecticut

Delaware

Florida

Maryland

New Jersey

New York

Pennsylvania

Vermont

Virginia

Michigan

Washington D.C.

Certified Exterior Insulation Finish Systems (EIFS) Special Inspector, NJ

Certified Forensic Structural Inspections: Examination, Diagnosis and Remedy for Building Structures

Certified Concrete Fundamental Methods and Principles, New Jersey

SIKA: Deck, Epoxy, Concrete Repair, Roof, Concrete Strengthening, Sealants

### MEMBERSHIPS:

American Society of Civil Engineers

International Code Council (ICC)

Structural Engineering Institute

National Society of Architectural Engineers

Sealant Waterproofing and Restoration Institute (SWRI)

International Concrete Repair Institute

RCI Roof Consultants Institute

National Fire Protection Association (NFPA)

CAI-NJ, Board of Trustees- Past Vice President, Past Treasurer, Past Board Member

### PROFILE:

Mr. William Pyznar is the Managing Principal for engineering design and project management for the firm's building-related work, in addition to overseeing the daily operations of the firm. Included in his responsibilities are inspections and analysis of building components and structures, preparation of testing requirements and procedures and the preparation of condition reports. Mr. Pyznar's experience is in both multifamily residential and commercial construction, including low-, mid- and high-rise structures. Mr. Pyznar has been the engineer of record on hundreds of projects.

Specifically, Mr. Pyznar has extensive experience in building water infiltration detection and waterproofing designs, building ventilation issues, low-slope and steep-slope roofing designs, façade repair and replacement designs, fire separation requirements, sound attenuation and insulation requirements. He is also responsible for the analysis and remedial design of structural failures and deficiencies in frame construction, parking garages and masonry construction buildings. He is an expert in the building envelope, including aspects of roofing, building façade issues and coverings including veneer walls and attachments, Exterior Insulation and Finish Systems (EIFS), and traditional siding and stucco systems.

Mr. Pyznar is responsible for assisting clients with damage claims on properties that have suffered catastrophic losses from flood, fire or other disasters. Heading the team, he works with the owners to provide time efficient remedies to each situation.

Mr. Pyznar works closely with integrating the firm's energy-related projects concerning building design, and implements an overall holistic approach to building upgrades, improvements and energy efficiency projects.

Mr. Pyznar has extensive involvement in investigation and the preparation of documentation in support of claims and litigation related to construction defects and damages including providing professional testimony; he has also assisted numerous clients on the successful pursuit of material failure claims.

Mr. Pyznar's additional responsibilities include, design of plans and specifications of reinforced concrete structures, including retaining walls, slabs balconies and footings, development of plans and specifications of timber structures, including remedial modifications to both multi-family and common facilities, preparation of plans and specifications for mechanical support systems and masonry support structures.

**Published Articles:**

*The View of Your Window is Not Always the Same*

*Transition – From Developer to You – The Basics*

*Siding Options*

*Roof Replacements: No Margin for Error*

*Construction Project Management: The Engineer/  
Contractor/Management Relationship*

*Preventative Maintenance: Programs for Today's  
Communities*

*Maintaining Your Low-Slope Roof System through a  
Preventive Maintenance Program*

*Synthetic Stucco – Attractive Alternative or Potential  
Disaster?*

*Exterior Insulation and Finish Systems (EIFS) – What is  
the Problem?*

*Condensation: Water Damage Without Leaks*

*Toxic Mold Environments: Moisture and My Building*

*Keeping Buildings Dry: Containing Water Damage*

*Is Your Parking Structure Sound? Peace of Mind through  
Preventative Maintenance*

*Shoreline Stabilization: The importance of Protecting and  
Inspecting Seawalls*

**Experience:**

*Partner, Principal, Falcon Engineering & Consulting  
Services*

Managing daily operations of company  
Specialist in investigation and remediation of construction  
deficiencies  
Building envelope and structural investigations and  
reporting  
Research and development  
Quality assurance and product evaluation  
Specification production and coordination  
Project design and budget review

*Managing Partner, Falcon Architectural Services,  
Architectural Design and Consulting Services*

Managing daily operations of company  
Specialist in investigation and remediation of construction  
deficiencies  
Building envelope and structural investigations reporting  
Research and development  
Quality assurance and product evaluation

*Project Manager, Consulting Engineering*

Building envelope and structural investigations reporting  
Project Management  
Specification preparation  
Site Inspections

**Litigation History:**

*Leonard Alarcon V Citizens Property Insurance Corp-  
Testimony for Plaintiff - March 8th, 2021*

**Continuing Education:**

Cost Estimating in the Construction Industry

Coastal Construction - Designing The Building

Concrete Condition Evaluation and Damage Assessment

Structural Condition Assessment

Firestop Solutions - Firestopping Fundamentals

Dow Building Services - Advanced Moisture Management

Lorman - LEED Tax Incentives and Credits for Green  
Buildings

Principles of Engineering Economy

Lorman - Noise Control Design for Condominium and  
Multi-family Dwellings

Florida Updated Laws and Rule

Energy Symposium: How Valuable is your Roof?

TectaAmerica Energy Symposium

Brickwork / Masonry Seminar

AIA Standard Contract Forms 'New Generation'

ILevel, Residential Engineered Lumber

Cathedral Stone Products

RCI - Symposium on Building Envelope Technology

Sika - TCM Monitoring and Solutions for Steel Frame  
Building Corrosion

Pella - Windows--An Environmental Perspective

ACI - Troubleshooting Concrete Construction Lecture  
Seminar

BURSI - Design and Technology of Roofing Systems

ICRI - Practical Approach to Façade Inspection

ICRI - Local Law 11/98

Sika - Total Corrosion Management

Lorman - NJ Law for Design Professionals

Ethical Issues in Forensic Engineering

Successful Parking Design and Planning

Generating Electricity from Variable Renewable Sources

Introduction to Fire Protection Engineering for Buildings

**Continuing Education:**

Effect of Reduced Concrete Strength on Bending and Cracking of Reinforced Concrete Beams

How to avoid lead exposure in the construction industry (discountpdh.com)

Ethics for Licensed Professionals

Ethical Issues in Forensic Engineering

An Introduction to Passive Solar Buildings

Introduction to Cathodic Protection

An Introduction to Coatings and Paints

Controlling COVID-19 Through Indoor Humidity Management

Repair of Post-Tensioning in Existing Concrete Structures

Extreme Weather Impact on Transportation Systems

ADA Standards for Accessible Design

Understanding ADA Mediation Program

How to avoid lead exposure in the Construction Industry

Florida State of Board Engineers Rules and laws

Deterioration and Repair of Concrete

General Ethics and Standards for Professional Engineers and Land Surveyors

Generating Electricity from Variable Renewable Power Sources: Effect on the Grid

Successful Parking Design and Planning

Intro to Fire Protection Engineering in Buildings

Evaluation and Repair of Concrete Structures

The Investigation and Rehabilitation of Constructed Buildings and Structures: Introduction to Structural Investigations

The Investigation and Rehabilitation of Constructed Buildings and Structures: Building Envelope Deterioration Investigations & Repairs - Part I: Roofing & Masonry Facades

Introduction to On-Site Wastewater Treatment (Live Webinar) PE

Sika - Epoxies

Sika - Repair

Sika - RoofPro

Sika - DeckPro

Sika - Strengthening

Sika - Sealants

Strengthening & Repair of Concrete Structures