



# The Falcon Group

ENGINEERING, ARCHITECTURE, ENERGY CONSULTANTS & RESERVE SPECIALISTS

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

### 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 residential and commercial construction, including low-, mid- and high-rise structures.

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.

For private clients, Mr. Pyznar is responsible for our Fast Track Project Remediation Service for those that have suffered catastrophic losses from flood, fire or other disasters. Heading the team, he works with the owners, management and local authorities 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 deficiencies 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.



### Education:

Bachelor of Science,  
Architectural Engineering,  
Drexel University

Bachelor of Science, Civil  
Engineering, Drexel University

### Licenses/Certificates:

Licensed Professional Engineer –  
P.E.:

Connecticut  
Delaware  
Florida  
Maryland  
New Jersey  
New York  
Pennsylvania  
Vermont  
Virginia  
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



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### Published Articles:

- The View of Your Window is Not Always the Same Transition
- From Developer to You-The Basic
- 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

### 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 and reporting
- Research and development
- Quality assurance and product evaluation

#### **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



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### **Project Manager** **Consulting Engineering**

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

### 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