



EDUCATION

- University of Iowa
 - Bachelor of Arts, Communication Studies, 1991

PRACTICE AREAS

- Repair and Rehabilitation
- Failure Analysis
- Peer Review
- New Construction
- Nondestructive Evaluation
- Plazas and Terraces
- Prepurchase Surveys
- Roof Assessment and Design
- Roofing and Waterproofing

REGISTRATIONS

- Construction Documents Technologist
- FAA Licensed Remote Pilot
- Level I Thermographer
- Registered Roof Consultant
- Registered Roof Observer

PROFESSIONAL AFFILIATIONS

- Construction Specifications Institute
- International Institute of Building Enclosure Consultants - Chicago Area Chapter

CONTACT

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EXPERIENCE

Possessing more than thirty years of experience in the roofing and waterproofing industry, Patrick Shaughnessy has worked as a contractor's representative and as a roofing and waterproofing consultant. Mr. Shaughnessy has been involved in hundreds of roof assessments, utilizing the latest nondestructive technologies, such as nuclear moisture testing and infrared imaging. He has investigated water leakage, material compatibility, durability, and condensation issues on numerous projects, including developing short- and long-term repair recommendations. Mr. Shaughnessy's projects have included repair/replacement design, budget estimates, preparation of construction documents, project management, and construction period services. He has expertise with all major low-slope and steep-slope roofing systems, and below-grade waterproofing systems. He has also performed design reviews for new construction projects to verify that current codes were followed and that the designs complied with manufacturer and owner requirements.

Prior to joining WJE, Mr. Shaughnessy was a senior project manager at a building envelope consulting firm and a project manager at a firm specializing in roofing and waterproofing consulting.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation

- Scott R. Triphahn Center - Hoffman Estates, IL: Replacement design of standing seam metal roof panels and translucent skylight and wall panel system, construction documents, and construction period services
- Topgolf - Various Locations, US Nationwide: Roofing and building envelope assessments with recommendations; peer review of construction documents
- Will County Adult Detention Center - Joliet, IL: Roofing rehabilitation and masonry restoration, construction documents, and construction period services
- Shure, Inc. - Niles, IL: Low-slope roofing replacement specifications at multiple buildings

- Northwestern University, Multiple Buildings - Evanston, IL: Roofing replacement design, construction documents, and construction period services
- Allstate Insurance Company - Northbrook, IL: Single-ply roofing replacements *
- Lake Forest Train Station - IL: Slate roof replacement *
- St. Mary of the Lake University - Mundelein, IL: Slate roof replacement specifications and project oversight *
- Chicago Public Schools - IL: Roofing assessments using nuclear moisture survey *
- Archdiocese of Chicago - IL: Roofing/waterproofing investigations and roofing replacement documents

Failure Analysis

- Beazer, Inc./Koppers Phenolic Foam Product Liability Assessments - Multiple Locations, US: Investigation of roof insulation failures*
- Village in the Park Apartments - Schaumburg, IL: Premature roof failure analysis
- Independent School District - Aransas County, TX: Hurricane damage investigations and roofing replacement design/oversight
- United States Army Medical Research Institute of Chemical Defense - Aberdeen Proving Ground, MD: Premature failure analysis of single-ply roofing
- St. Michael Church - Whiting, IN: Investigation of metal cornice failure
- Oak Brook Promenade Shopping Center - IL: Below-grade waterproofing failure investigation

Peer Review and New Construction

- National Bio and Agro-Defense Facility - Manhattan, KS: Roofing design review, quality control testing, and construction observation
- Kansas City International Airport, New Terminal - MO: Roofing design review and construction observation services
- Mt. Carmel Health Center - Grove City, OH: Roofing design review and construction observation services
- Obama Presidential Center - Chicago, IL: Roofing and below-grade waterproofing construction period services

* Indicates with previous firms