



PERSONNEL QUALIFICATIONS

Blake R. Kreuer | Unit Manager and Senior Associate



EDUCATION

- Cleveland State University
 - Bachelor of Science, Civil Engineering, 2004
 - Master of Science, Civil Engineering, 2006

PRACTICE AREAS

- Materials Evaluation
- Failure Investigation
- Structural Investigation
- Roofing and Waterproofing
- Repair and Rehabilitation Design
- Nondestructive Evaluation

REGISTRATIONS

- Professional Engineer in OH

CONTACT

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EXPERIENCE

Blake Kreuer rejoined WJE in 2019 and is involved in many structural and architectural investigations. During his initial time at WJE between 2006 and 2013, he investigated and designed repairs for water and air infiltration, damaged EIFS and stucco systems, roofing and waterproofing, structural vibrations, and various distressed conditions in concrete, steel, and wood structures.

From 2013 to 2019, he served as a building and restoration specialist for a manufacturer of building repair products and was involved in the resolution of construction-related materials issues involving material selection, installation challenges, and chemical compatibility.

REPRESENTATIVE PROJECTS

Materials Evaluation

- The Carlyle Condominiums - Cleveland, OH: Failure of a waterproofing traffic bearing deck membrane
- Corporate College East - Cleveland, OH: Failure of flooring material over slab-on-ground
- Wyndam Hotel - Cleveland, OH: Pipe corrosion
- Pittsburgh Airport - PA: Concrete deck material assessment and placement

Roofing and Waterproofing

- PNC Tower (formerly National City Center) - Cleveland, OH: Roof replacement and condition assessment
- Perry's Victory and International Peace Memorial - South Bass Island, OH: Roof replacement and condition assessment
- PNC Park at North Shore - Pittsburgh, PA: Repair of distressed sealant joints and expansion joints
- North Point - Cleveland, OH: Plaza and waterproofing renovation

Repair and Rehabilitation Design

- Canton Cultural Center Garage - Canton, OH: Structural condition assessment and repair design
- National Terminal Warehouse Apartments - Cleveland, OH: Structural condition assessment, repair design, and construction phase services
- North Shore Parking Garage - Pittsburgh, PA: Structural condition assessment, repair design, and construction phase services

Nondestructive Evaluation

- Quicken Loans Arena - Cleveland, OH: Roof condition assessment using HVIT and infrared thermography
- West General Robinson Garage - Pittsburgh, PA: Investigation of grouted connections of precast wall panels using MIRA
- Bayfront Convention Center - Erie, PA: Concrete slab investigation using GPR

Structural Investigation

- Omni Park - Cleveland, OH: Fire damage structural assessment
- North Point - Cleveland, OH: Structural vibration remediation
- Heinz Ketchup Kitchen - Fremont, OH: Structural assessment and repair design

Failure Investigation

- Stoneridge - Pittsburgh, PA: Ceiling failure investigation and remediation
- Grandview Building - Pittsburgh, PA: Investigation of floor plank collapse