



EDUCATION

- Ohio University
 - Bachelor of Science, Civil Engineering, 2006
- Lehigh University
 - Master of Science, Structural Engineering, 2008

PRACTICE AREAS

- Masonry
- Stone Cladding
- Building Enclosure Commissioning
- Peer Review
- Windows/Curtain Walls/Skylights
- Water/Air Leakage Assessment
- Failure/Damage Investigations
- Facade Assessment
- Roofing and Waterproofing

REGISTRATIONS

- Professional (Civil) Engineer in WA
- Professional Engineer in OH

PROFESSIONAL AFFILIATIONS

- Association for Preservation Technology International Northwest Chapter
- Building Enclosure Council
- The Masonry Society

CONTACT

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EXPERIENCE

Jonathan Kovach has broad-based experience in building enclosure condition assessments, design peer reviews, field testing, investigations of new and existing structures, repair design, and construction phase services (CPS) for various building types to address deterioration of building enclosure materials, components, and systems. Since joining WJE in 2008, he has provided professional services for numerous projects involving the investigation of distress conditions and water infiltration in various building enclosure systems, including brick masonry, stone, terra cotta, windows, curtain wall, skylights, metal wall panels, roofing, and waterproofing. Mr. Kovach is also experienced in the evaluation, stabilization, and repair design of masonry and stone claddings and in quality assurance for new construction projects based on lessons learned from existing building troubleshooting.

REPRESENTATIVE PROJECTS

Masonry

- Renaissance Cleveland Hotel - OH: Brick masonry and terra cotta inspection, stabilization, repair design, and restoration; redesign of terra cotta balustrade
- Higbee Building - Cleveland, OH: Assessment of limestone and terra cotta cladding
- Cleveland Metroparks Zoo RainForest - OH: Assessment of brick masonry and granite cladding
- 30th Street Station - Philadelphia, PA: CPS for limestone cladding and cast-iron curtain wall repairs
- Kenmore Plaza Apartments - Chicago, IL: Repair design and CPS for repointing and masonry repairs
- Caleres Brown Shoe Company - Clayton, MO: Assessment and repair design of brick and limestone cladding

Stone Cladding

- Cleveland Justice Center Complex - OH: Assessment and repair design of granite clad buildings
- PNC Building - Cleveland, OH: CPS for travertine stabilization repairs
- Ohio State University, Fisher Auditorium - Wooster: Investigation of limestone cladding

Building Enclosure Commissioning

- A.J. Celebrezze Federal Building - Cleveland, OH: Building enclosure commissioning (BECx) of a dual-skin facade comprised of new unitized curtain wall over existing facade
- Honda Transmission Manufacturing Facility - Russell's Point, OH: BECx of new building expansion clad with metal wall panels
- Iowa State University, Gerdin Business Building Expansion - Ames: BECx for a limestone and brick masonry clad building with aluminum window systems

Windows/Curtain Walls/Skylights

- Ohio State University, Knowlton Hall - Columbus: Evaluation of glazing restraint for curtain wall system
- The Carlyle on the Lake - Lakewood, OH: Building-wide fenestration assessment, water infiltration testing, development of window replacement contract documents, and field quality assurance observations
- Cleveland Justice Center Complex - Cleveland, OH: Investigation and water infiltration testing of a large atrium skylight

Water/Air Leakage Assessment

- Cleveland Museum of Art - OH: Investigation of below-grade water infiltration; repair design and water testing of repairs
- Ohio State University, Kottman Hall - Columbus: Investigation of water infiltration through brick cavity walls
- Westinghouse Corporate Headquarters - Cranberry Township, PA: Whole building air leakage test

Failure/Damage Investigations

- Ohio State University, Agricultural Research and Development Center - Wooster: Campus-wide structural and building enclosure condition assessments due to tornado damage

Roofing and Waterproofing

- Perry's Victory and International Peace Memorial - Put-in-Bay, OH: Plaza waterproofing evaluation and inspection of temporary repairs
- Large Medical Center - Northeast OH: Roof failure investigation, repair design, and CPS of replacement roof assemblies