

### Gary S. Wentzel | Principal



#### EDUCATION

- The Pennsylvania State University
  - Bachelor of Architectural Engineering, 1995

#### PRACTICE AREAS

- Facade Failure and Leakage
- Roofing and Waterproofing
- Structural Analysis
- Repair and Rehabilitation
- Failure/Damage Investigations
- Disaster Response
- Peer Review
- Litigation Consulting

#### REGISTRATIONS

- Professional Engineer in OH, PA, and VA

#### PROFESSIONAL AFFILIATIONS

- International Concrete Repair Institute, past president - Northern Ohio Chapter

#### CONTACT

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#### EXPERIENCE

Gary Wentzel has extensive experience with masonry systems, including the investigation and repair of distressed brick, stone, and concrete masonry cladding, as well as with water leakage through barrier and cavity wall cladding systems for contemporary and historic buildings. He has performed architectural and structural investigations involving various materials and systems, including structural steel, cast-in-place concrete, precast concrete, expansive grouts, cast stone dimension stone, terra cotta, terrazzo, resilient flooring, glazed curtain walls and windows, membrane waterproofing and roofing, metal roofing, architectural metal, flashings, and weather-resistant barriers. Mr. Wentzel has expertise in managing all phases of investigation, repair design, and construction. He leverages this breadth of experience to provide consulting services for the design of new building envelope systems and litigation support as an expert witness for construction-related claims.

#### REPRESENTATIVE PROJECTS

##### Facade Failure and Leakage

- Case Western Reserve University, Peter B. Lewis Building - Cleveland, OH: Evaluation of thermal continuity of building envelope
- Ohio State University, Physics Research Building - Columbus: Investigation of water infiltration through clay brick cavity walls
- Renaissance Cleveland Hotel - OH: Repair of distressed limestone cladding

##### Roofing and Waterproofing

- The Pennsylvania State University, Beaver Stadium - University Park: Investigation and repair of water infiltration through split slab concourse
- North Point - Cleveland, OH: Rehabilitation of plaza, structural elements, and concealed waterproofing

##### Structural Analysis

- Stores for Major Retailer - US Locations Nationwide: Evaluation and repair of open web steel roof joist welded connections

#### Repair and Rehabilitation

- PNC Park at North Shore - Pittsburgh, PA: Investigation and repair of distressed concrete caused by gypsum-based railing post pocket grout; stadium-wide replacement of seating bowl and concourse waterproofing elements
- Quicken Loans Arena - Cleveland, OH: Investigation and repair of distressed epoxy terrazzo flooring

#### Failure/Damage Investigations

- David L. Lawrence Convention Center - Pittsburgh, PA: Investigation of partial floor collapse
- The Pennsylvania State University, Forest Resources Building - University Park: Investigation and remediation of heaving slabs-on-grade due to expansive fill material
- Dulles International Airport - Sterling, VA: Investigation of and repair recommendations for blistered and delaminated epoxy terrazzo flooring

#### Disaster Response

- Ohio State University, Wooster Campus - Columbus: Campus-wide assessment for building envelope and structural damage resulting from an EF2 tornado
- Sanibel Harbour Resort - Fort Myers, FL: Assessment for building envelope and structural damage resulting from a Category 4 hurricane

#### Peer Review

- Cardinal Health Corporate Headquarters - Dublin, OH: Peer review and construction observation services for brick masonry cavity wall, glazed aluminum frame windows, and metal roofing
- Ohio State University, Knowlton Hall - Columbus: Peer review of marble tile rain screen cladding

#### Litigation Consulting

- Fountain Square - Cincinnati, OH: Investigation of water infiltration through renovated plaza waterproofing
- Waverly Schools - Waverly, OH: Evaluation of masonry veneer design and construction