



#### EDUCATION

- Ohio University
  - Bachelor of Science, Civil Engineering, 2006
- University of Illinois at Urbana-Champaign
  - Master of Science, Civil Engineering, 2008

#### PRACTICE AREAS

- Building Envelope Assessment
- Envelope and Structure Fire Safety
- Structural Evaluation
- Waterproofing Consulting
- Construction Material Evaluation

#### REGISTRATIONS

- Professional Engineer in IL
- Structural Engineer in IL

#### CONTACT

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#### EXPERIENCE

Blake Andrews has wide-ranging experience with evaluation and repair of building envelopes and facades, including masonry, stone panel, concrete, rainscreen, render, and glass and aluminum curtain wall systems. He has worked on building enclosure systems throughout the United Kingdom, Europe, and the United States.

Mr. Andrews is also experienced in the evaluation of the fire safety performance characteristics of building structural framing, fire separation elements, external walls, and cladding systems. He has performed performance and risk assessments on more than one hundred properties in the United Kingdom and in Europe.

In addition, Mr. Andrews has been involved in various structural evaluation, analysis, and repair design projects. His experience includes behavioral characteristics and performance standards for concrete, steel, aluminum, masonry, wood, and glass materials.

#### REPRESENTATIVE PROJECTS

##### Building Envelope Assessment

- 135 Bishopsgate - London, England: Assessment and repair design for modular glass, aluminum, and granite cladding external wall systems
- 1 Finsbury Avenue - London, England: Assessment of glazed lantern enclosure
- Stanhope House - Portsmouth, England: Evaluation and repair of leakage issues in rainscreen cladding systems
- The Helm - Bournemouth, England: Assessment of distress in faux brick slip render
- High-Tech Campus - Eindhoven, Netherlands: Assessment and repair of distressed brick masonry facade
- Westin Paris Vendôme - Paris, France: Assessment of limestone facade and concrete balconies
- Hochhaus Uptown München - Munich, Germany: Assessment of water leakage through unitized curtain wall system

##### Envelope and Structure Fire Safety

- Student Roost Student Accommodation - England, Northern Ireland, Scotland, and Wales: External wall fire safety assessment of approximately sixty properties
- Accor Hotels - Asia, Europe, and the United Kingdom: Multiphase fire safety assessment of hotel exterior cladding systems for more than 800 properties
- Landmark Pinnacle - London, England: Review of fire safety design of unitized curtain wall systems for seventy-four-story tower
- Saint Crispin's House - Norwich, England: Review of fire safety design
- Print Hall - Bristol, England: Review of fire separation and internal fire-stopping works
- Pennine Five - Sheffield, England: Assessment of existing structural fire protection and fire separation elements

##### Structural Evaluation

- Mall of India - Noida, India: Forensic structural assessment of collapse of long-span tubular steel roof framing
- Industrial Warehouse - Northern Spain: Structural investigation of ponding-induced partial collapse of wood-framed roof
- Depot Warehouse - Northern France: Assessment of connection region distress in precast concrete roof structure
- Office Space - Prague, Czech Republic: Evaluation of collapsed plaster ceilings
- Cooltoren - Rotterdam, Netherlands: Structural design review of fifty-story residential tower
- Triangle Tower - Paris, France: Structural design review of forty-two-story pyramidal tower

##### Waterproofing Consulting

- Broadgate Exchange Square - London, England: Design of waterproofing systems for renovation of 5,000-square-meter plaza
- 135 Bishopsgate - London, England: Design of roof, terrace, and public realm waterproofing systems
- Northcliffe House - London, England: Evaluation of roof waterproofing systems
- Shure Distribution Facility - Eppingen, Germany: Evaluation of roof leakage issues