



#### EDUCATION

- Ohio University
  - Bachelor of Science, Civil Engineering, 2001
  - Master of Science, Civil Engineering, 2003

#### PRACTICE AREAS

- Construction Observation and Troubleshooting
- Curtain Wall Systems
- Facade Assessment and Performance Testing
- Leakage Investigation and Field Testing
- Repair and Rehabilitation Design
- Roofing and Waterproofing

#### REGISTRATIONS

- Professional Engineer in OH

#### PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- National Institute of Building Sciences - Building Enclosure Council

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2004, Michael Kotheimer has gained extensive experience on a broad range of projects, including construction observation, condition surveys, field testing, and investigations of new and existing structures. Additionally, Mr. Kotheimer has gained considerable knowledge in the evaluation of the design, construction, and as-built performance of a wide range of above- and below-grade building enclosure materials, components, and systems, including: glazed aluminum windows, curtain walls, and skylights; architectural metal panels; self-adhering and fluid-applied air barrier membranes; clay brick and concrete masonry cavity and mass wall construction; EIFS; and hot and cold fluid-applied, modified bitumen roofing and waterproofing and similar systems. In addition, he has worked with the proper integration of each of these systems at building enclosure interface conditions and has assisted with the development of interface detailing to ensure proper air/moisture barrier continuity and performance.

#### REPRESENTATIVE PROJECTS

##### Construction Observation and Troubleshooting

- Constitution Center - Washington, D.C.: Construction of new exterior envelope on existing structure, including curtain wall, metal panels, precast concrete, waterproofing, and roofing
- 1875 Pennsylvania Avenue - Washington, D.C.: On-site construction observation and field testing during installation of new shop-structurally glazed aluminum curtain wall, skylight, metal panels, EIFS, and roofing

##### Curtain Wall Systems

- Tower II Office Building - Rockville, MD: Construction observation of prefabricated, shop-structurally glazed aluminum curtain wall; quality assurance observation and testing during implementation of repairs
- Charles Center - Baltimore, MD: Evaluation and field testing of glazed aluminum curtain wall to address in-service glass displacement and leakage

##### Facade Assessment

- Self Regional Hospital - Greenfield, SC: Building-wide envelope evaluation, including curtain wall, metal panels, and roofing
- 1111 Eleventh Street - Washington, D.C.: Building-wide envelope evaluation, including masonry, through-wall flashing, and punched windows

##### Leakage Investigation and Field Testing

- 1101 K Street - Washington, D.C.: Leakage investigation of below-grade waterproofing and roofing
- Old Chinese Legation Building - Washington, D.C.: Leakage investigation of facade and roofing

##### Repair and Rehabilitation Design

- Blair House - Silver Spring, MD: Masonry facade stabilization and development of repair documents for roof replacement
- 1210 Massachusetts Avenue - Washington, D.C.: Facade and terrace waterproofing remediation

##### Roofing and Waterproofing

- Monument IV Office Building - Reston, VA: Quality assurance observations during reroof repairs
- Marriott Wardman Park Garage - Washington, D.C.: Construction observation and quality assurance testing of below-grade and plaza waterproofing
- House of Sweden - Washington, D.C.: Evaluation and repair design to address water loss in interior reflecting pool