

### Christopher D. Lipp | Associate III



#### EDUCATION

- The University of Florida
  - Bachelor of Science in Civil Engineering, 2002

#### PRACTICE AREAS

- Building Envelope Assessment
- Construction Troubleshooting
- Windows and Curtain Walls
- Damage Assessment and Documentation
- Structural Investigation
- Leakage Investigation
- Peer Review
- Repair and Rehabilitation Design

#### REGISTRATIONS

- Professional Engineer in AL
- LEED Green Associate

#### PROFESSIONAL AFFILIATIONS

- American Architectural Manufacturers Association
- American Society of Civil Engineers
- Building Enclosure Council
- U.S. Green Building Council

#### CONTACT

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#### EXPERIENCE

Christopher Lipp has performed numerous construction observations, building envelope assessments, and structural investigations and has prepared construction documents based on those investigations. His building analyses include steel frame structures as well as cast-in-place and precast concrete structures. Mr. Lipp is also experienced in the evaluation of distressed facade elements, including precast concrete, brick masonry, concrete masonry, and flashing systems on both historic and new construction. He has also worked with hydrophobic resin injection in concrete structures for waterproofing purposes. Mr. Lipp's projects also involve glass and glazing design, detailing, and evaluation.

Mr. Lipp has authored several articles promoting sustainability. He has participated in the technical group Product Category Rules (PCR) in the development of product standards relating to sustainability for the window industry. Prior to rejoining WJE, Mr. Lipp spent several years as a curtain wall, storefront, and sunshade designer for a leading fenestration manufacturer. He designed, developed, and tested new fenestration products.

#### REPRESENTATIVE PROJECTS

##### Construction Troubleshooting

- Richland Creek Interceptor Tunnel - Suwanee, GA: Inspection of underground pipe connections and evaluation of foam grout
- Atlantic Station Parking Garage - Atlanta, GA: Inspection and evaluation of FRP installation and damage to prestressing strands of precast double-tee
- Center for Disease Control Building 18 - Atlanta, GA: Code review and Investigation of concrete floor and wall tolerances

##### Windows and Curtain Walls

- Georgia Music Hall of Fame - Macon, GA: Repair design for water penetration through curtain wall system
- Sears Crosstown - Memphis, TN: Design of window interface and curtain wall system for historic facade

##### Damage Assessment and Documentation

- Hurricane Katrina Inspections - Bay St. Louis, MS: Evaluation of hurricane damage to parking structures and commercial and residential buildings

##### Structural Investigation

- Lowe's Motor Speedway and Atlanta Motor Speedway - Concord, NC, and Atlanta, GA: Investigation of welded connections in fourteen-foot-tall and twelve-foot-tall scoring towers, respectively using nondestructive testing
- Crooked Creek Water Reclamation Facility - Norcross, GA: Inspection and evaluation of welded connections, facade elements, and cast-in-place concrete in two-story building
- Major Retail Chain - Seven Locations Nationwide: Structural steel roof structure assessment

##### Repair and Rehabilitation Design

- University of Georgia, Dean Rusk Law Building - Athens: Condition survey, water leakage investigation, and restoration design of University of Georgia Law School Building
- Swift & Company Lofts - Atlanta, GA: Condition survey, water leakage investigation, and restoration design of historic loft building
- A&P Lofts - Atlanta, GA: Condition survey, water leakage investigation, and restoration design of historic loft building