



PERSONNEL QUALIFICATIONS

Lorintz Gleich | Senior Associate



EDUCATION

- United States Military Academy
 - Bachelor of Science, Civil Engineering, 2006
- Missouri University of Science and Technology
 - Master of Science, Engineering Management, 2012
- Georgia Institute of Technology
 - Master of Science, Structural Engineering, 2014

PRACTICE AREAS

- Facade Access and Fall Protection Requirements
- Nondestructive Testing and Evaluation
- Parking Structures
- Repair and Rehabilitation Design
- Structural Evaluation
- Wood Structures

REGISTRATIONS

- Professional Engineer in FL, GA, MO, NC, and TN

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- American Society of Civil Engineers

CONTACT

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EXPERIENCE

Lorintz Gleich joined WJE in 2017 and has conducted a wide variety of structural investigations, including design of repairs and modifications. His experience includes a variety of structural materials, including concrete, timber, masonry, steel, and aluminum. Mr. Gleich also has experience with fall protection design and evaluation, including in situ load testing of fall protection systems

Prior to joining WJE, Mr. Gleich served for eleven years as a United States Army Engineer Officer. During the last three of those years, he served as an assistant professor in the U.S. Military Academy's Department of Civil and Mechanical Engineering, where he taught Design of Reinforced Concrete and Masonry Structures, Structural Analysis, and Fundamentals of Engineering Mechanics. Mr. Gleich also led a research project optimizing ultra-high-performance concrete (UHPC) mix design and full-scale testing project of concrete bridge piles with stainless steel prestressing strands.

REPRESENTATIVE PROJECTS

Facade Access and Fall Protection Requirements

- Grande Lakes Orlando - Orlando, FL: In situ load testing of facade access equipment and anchorages
- 1100 Peachtree Offices - Atlanta, GA: Design of fall protection system
- Mayfair Renaissance - Atlanta, GA: Assessment of fall protection system

Nondestructive Testing and Evaluation

- Sanford Stadium Culvert - Athens, GA: Condition assessment of historic culvert utilizing numerous nondestructive Testing (NDT) methods
- Multifamily Housing - Charlotte, NC: Development of new NDT method for wood-framed structure to locate stud penetrations
- Industrial Facility - Suwanee, GA: Investigation of cracked reinforced concrete columns using ground penetrating radar

Parking Structures

- 100 Ashford Center Garage - Atlanta, GA: Condition assessment and repair documents for prestressed concrete structure
- Multifamily Housing Garage - Atlanta, GA: Condition assessment and repair documents for post-tensioned concrete structure

Repair and Rehabilitation Design

- Reinforced Concrete Retaining Wall - Atlanta, GA: Design of supplemental reinforcement and anchorage for deficient soil retaining wall
- 360 Interstate North Office Park - Atlanta, GA: Condition assessment and repair of reinforced concrete pedestrian bridge
- Saenger Theatre - Biloxi, MS: Design of lateral load retrofit and new roof framing for historic masonry building
- Villas at Mandarin Oriental - Atlanta, GA: Design of residential renovations for existing CMU and cold-formed steel structures
- Public Administration Office - Roswell, GA: Design of new light-gage metal roof structure

Structural Evaluation

- Big-Box Retail - Gainesville, FL: Condition assessment of CMU and steel-framed building after vehicular impact with building
- University of Georgia, Tifton Campus Administration Building: Evaluation of elevated reinforced concrete slab with excessive deflection
- Winding River Village Condominiums - Atlanta, GA: Condition assessment of three-story steel-framed balcony structure

Wood Structures

- Twenty-One Apartments - Starkville, MS: Repair design of plate connected wood truss failure
- Multifamily Housing - Raleigh, NC: Investigation and repair of five-story timber frame structure due to construction defects and differential movement
- Prince of Peace Catholic Church - Flowery Branch, GA: Repair of roof trusses
- Villa Sonoma Condominiums - Atlanta, GA: Structural evaluation, analysis, and repair design of deteriorated structure