



PERSONNEL QUALIFICATIONS

Michael A. Horst | Principal and Unit Manager



EDUCATION

- Georgia Institute of Technology
 - Bachelor of Civil Engineering, Civil Engineering, 1993

PRACTICE AREAS

- Facade Assessment
- Water Penetration Testing
- Masonry Assessment
- EIFS and Stucco Systems
- Structural Evaluation
- Wood Structures
- Repair and Rehabilitation Design
- Litigation Support

REGISTRATIONS

- Professional Engineer in AL, FL, GA, MI, MS, and TN
- Structural Engineer in GA

PROFESSIONAL AFFILIATIONS

- American Architectural Manufacturers Association
- ASTM International

CONTACT

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EXPERIENCE

Since joining WJE in 1998, Michael Horst has conducted investigations, condition surveys, analyses, and repair designs for various historic and contemporary structures. This work has included the evaluation of masonry, concrete, and wood structures; stucco, EIFS, and masonry cladding; and a variety of window and curtain wall systems. Mr. Horst's investigations have involved the assessment of deterioration, distress, and water leakage through building envelopes. He has also performed evaluations of hundreds of structures related to alleged hurricane, tornado, and fire damage.

Mr. Horst has prepared repair documents for concrete, wood, and masonry structural systems as well as brick, terra cotta, EIFS, stucco, and stone facade elements. He has used his investigation experience to perform prepurchase assessments and to provide litigation support to a variety of clients.

Prior to joining WJE, Mr. Horst was a Civil Engineering Corps officer in the U.S. Navy. He managed more than \$30 million of construction projects, including an \$11 million barracks renovation project.

REPRESENTATIVE PROJECTS

Facade Assessment

- View at Chastain - Atlanta, GA: Investigation of brick masonry distress in ten-story condominium
- Castaway Condominiums - Orange Beach, AL: Hurricane damage evaluation of windows and stucco facade on ten-story building
- Community College Campus - MS: Evaluation of hurricane damage to window and facade elements on more than thirty buildings, ranging from single-family residences to large classroom structures

Masonry Assessment

- Eagle & Phenix Mills - Columbus, GA: Condition survey, construction observation, and water testing of historic brick masonry mill building
- Spelman College Dormitories - Atlanta, GA: Evaluation of masonry distress, repair design, and construction observation of two dormitory buildings

Structural Evaluation

- Memphis City Schools Central Nutrition Center - TN: Investigation and repair design of 1930s-era wood trusses and columns
- Dungeness Ruins - Cumberland Island, GA: Evaluation, structural design of stabilization, and construction observation for historic mansion

Repair and Rehabilitation Design

- Dean Rusk Building - Athens, GA: Water leakage investigation, repair design, and construction observation for office and classroom building
- Old Civil Engineering Building - Atlanta, GA: Condition survey of facade, roofing, and structural systems and repair design for 1930s-era classroom building
- Cumberland Center - Atlanta, GA: Water leakage investigation and repair design for window and granite repairs on seventeen-story office building

Litigation Support

- Wild Dunes - SC: Investigation of water leakage and alleged window manufacturing defects
- Choctaw County Schools - AL: Investigation of construction and design defects at three schools
- Germanshire Elementary School - Memphis, TN: Investigation of foundation and structural deficiencies