PERSONNEL QUALIFICATIONS

Maggie House | Senior Associate

EDUCATION

- Georgia Institute of Technology
  - Bachelor of Science, Civil Engineering, 2012
  - Master of Science, Civil Engineering, 2013
- Georgia State University
  - Certificate of Heritage Preservation, 2013

PRACTICE AREAS

- Condition Evaluation
- Building Enclosures
- Construction Observation
- Structural Engineering
- Historic Preservation

REGISTRATIONS

- Professional Engineer in VA

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Association for Preservation Technology

CONTACT

mhouse@wje.com
703.641.6535
www.wje.com

EXPERIENCE

Maggie House performs structural and architectural investigations, condition assessments, repair design, and construction observation services on contemporary and historically significant buildings and structures. Her project experience includes brick, cast stone, sandstone, limestone, granite, marble, architectural terra cotta, precast, post-tensioned concrete, cast-in-place concrete, roofing and waterproofing, and historic and modern window assemblies.

While completing her undergraduate and graduate degrees, Ms. House participated in research of nondestructive testing methods for stone and analysis of retrofit anchors for the marble units of the Propylaea on the Acropolis in Athens, Greece.

REPRESENTATIVE PROJECTS

Condition Evaluation

- New Point Comfort Lighthouse (1805) - Port Haywood, VA: Survey of the historic sandstone structure, materials testing, repair details, and construction administration support for its award-winning restoration
- Fort Monroe Counterscarp Wall (1831–1834) - Hampton, VA: Survey of the 1.25-mile-long moat granite counterscarp walls completed via boat utilizing WJE's Plannotate software
- Washington Square (1854–1890) - Nashville, TN: Assessment of reported blast damage at brick masonry buildings immediately following 2020 Nashville bombing
- Judson Memorial Church (1892) - New York, NY: Survey of historic brick, terra cotta, marble, and limestone facades
- Arlington National Cemetery Roosevelt Fountain (1932) and Robert F. Kennedy Fountain (1971) - Arlington, VA: Condition survey, leak investigation, archival research, and repair document development
- Longworth House Office Building (1933) - Washington, D.C.: Survey and investigation of the historic marble, granite, and limestone facades
- Arlington National Cemetery Columbarium (1980–1998) - Arlington, VA: Survey of the limestone and concrete structure and repair document development
- James Madison Memorial Building (1980) - Washington D.C.: Survey and investigation of the marble facade, roofs, and windows

Building Enclosures

- National Sporting Library and Museum (1804/1999/2010) - Middleburg, VA: Water leakage investigation and enclosure survey
- Hotel Monaco (1844/1866) - Washington, D.C.: Water leakage investigation, archival research, and repair documents for the historic skylight
- 3600 P Street NW (1889) - Washington, D.C.: Investigation and repair document development for historic clapboard siding, wood window, and leaded glass restoration
- Willard Building (1949) - State College, PA: Historic brick and limestone facade rehabilitation, thermal and hygrothermal analysis, water penetration testing, and peer review
- 1800 M Street NW (1978) - Washington, D.C.: Window leakage investigation, repair document development, and construction administration services

Construction Observation

- Westory Building (1908/1989/2001) - Washington, D.C.: Cast stone, limestone, and historic terra cotta facade restoration
- Russell Senate Office Building (1909) - Washington, D.C.: Stone facade and window restoration construction period services and design, including balustrade seismic retrofit, stone repairs, window restoration, bronze restoration, flashing replacement, and balcony waterproofing
- Homer Building (1913/1988) - Washington, D.C.: Cast stone, limestone, and historic terra cotta facade restoration

Structural Engineering

- Fort Monroe Casemate Museum (1834) - Hampton, VA: Condition assessment and structural analysis, including graphical analysis of the brick barrel vaults
- Hart Senate Office Building (1982) - Washington, D.C.: Investigation and analysis of marble cladding panels and anchorage
- Thurgood Marshall Federal Judiciary Building (1992) - Washington, D.C.: Investigation, anchorage design, and contract document development
- USDOT Headquarters (2007) - Washington, D.C.: Investigation and materials testing of precast panels and anchors and survey of below-grade, concrete parking garage