

### 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

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#### EXPERIENCE

While completing her undergraduate and graduate degrees, Maggie House participated in research into nondestructive testing methods of stone as well as analysis of retrofit anchors for the marble units of the Propylaea on the Acropolis in Athens, Greece. Ms. House has performed structural and architectural investigations, condition assessments, repair design, and construction observation services on both contemporary and historically significant buildings and structures. Her project experience includes brick, cast stone, limestone, granite, marble, architectural terra cotta, precast, post-tensioned concrete, cast-in-place concrete, roofing and waterproofing, and historic and modern window assemblies.

#### REPRESENTATIVE PROJECTS

##### Condition Evaluation

- Smithsonian Institution Building (1855) - Washington D.C.: Survey and investigation of the historic sandstone facade and windows, development of construction documents, and construction observation
- James Madison Memorial Building (1980) - Washington D.C.: Survey and investigation of the marble facade and bronze anodized aluminum windows.
- Longworth House Office Building (1933) - Washington, D.C.: Survey and investigation of the historic marble, granite, and limestone facade
- Arlington National Cemetery Roosevelt Fountain (1932) and Robert F. Kennedy Fountain (1971) - Arlington, VA: Condition survey, leak investigation, archival research, repair document development, and construction administration support
- Arlington National Cemetery Columbarium (1980-1998) - Arlington, VA: Survey of the limestone and concrete structure, repair document development, and construction administration support
- New Point Comfort Lighthouse (1805) - Port Haywood, VA: Survey of the historic sandstone structure, materials testing, repair details, and construction administration support
- 1501 K Street (1924/2000) - Washington, D.C.: Survey and investigation of the historic terra cotta and limestone facade

##### Building Enclosures

- Willard Building (1949) - State College, PA: Historic brick and limestone facade rehabilitation, thermal and hygrothermal analysis, water penetration testing, and peer review
- National Sporting Library and Museum (1804/1999/2010) - Middleburg, VA: Water leakage investigation and facade and roof survey
- Hotel Monaco (1844/1866) - Washington, D.C.: Water leakage investigation, archival research, and repair documents for the historic skylight
- INOVA Women's and Children's Hospital (1992) - Fairfax, VA: Survey, design review assistance, and construction period services.
- 1800 M Street NW (1978) - Washington, D.C.: Window leakage investigation, repair document development, and construction administration services

##### Construction Observation

- 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
- Westory Building (1908/1989/2001) - Washington, D.C.: Cast stone, limestone, and historic terra cotta facade restoration

##### Structural Engineering

- 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.: Anchorage design and contract document development
- Fort Monroe Casemate Museum (1834) - Hampton, VA: Condition assessment and historic brick casement structural analysis including graphical analysis of the brick barrel vaults
- USDOT Headquarters (2007) - Washington, D.C.: Investigation and material testing of precast panels and anchors