



## PERSONNEL QUALIFICATIONS

### Jaret M. Lynch | Principal and Unit Manager



#### EDUCATION

- Rensselaer Polytechnic Institute
  - Bachelor of Science, Civil Engineering, 2000
- University of Illinois at Urbana-Champaign
  - Master of Science, Structural Engineering, 2002

#### PRACTICE AREAS

- Difficult Access Inspection
- Wood Engineering
- Failure Investigation
- Historic Preservation
- Repair and Rehabilitation Design
- Structural Evaluation
- Testing and Instrumentation

#### REGISTRATIONS

- Professional Engineer in CT and NY

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Structural Engineers Association of New York
- Timber Frame Engineering Council
- Timber Framer's Guild

#### CONTACT

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#### EXPERIENCE

Jaret Lynch's project experience has included structural analysis and repair of historic museums, buildings, and churches since he joined WJE in 2002. Mr. Lynch specializes in masonry and timber structures, historic skylight systems, and in situ load testing. He has a proven ability to lead large, multidisciplinary teams as a project executive. Mr. Lynch is also a member of WJE's industrial rope access team. During his graduate studies, Mr. Lynch served as a research assistant and contributed to the Mid-America Earthquake Center project ST-6 funded by the National Science Foundation. This research included the testing of full-scale unreinforced masonry piers under seismic loading. Mr. Lynch also led his school's American Institute of Steel Construction/American Society of Civil Engineers steel bridge teams to the national competition level.

#### REPRESENTATIVE PROJECTS

##### Difficult Access Inspection

- Yale University, Hall of Graduate Studies - New Haven, CT: Condition assessment of brick masonry
- New Croton Dam, Croton-on-Hudson, NY: Assessment of stone masonry and monitoring of cracks
- Yale University, Harkness Tower - New Haven, CT: Condition assessment of stone masonry
- New York Public Library, Schwarzman Building - NY: Condition assessment of marble facade

##### Wood Engineering

- Yara Americas, Fertilizer Terminal - Contrecoeur, QC: Analysis and repair of thin shell-wood domes
- St. John the Baptist - Hoboken, NJ: Analysis and repair of 60-foot scissor truss

##### Failure Investigation

- 100 Summit Lake Drive - Valhalla, NY: Investigation of glass atrium damaged by tornado
- Unicorr Packaging - North Haven, CT: Investigation of shear cracking of concrete girders

##### Historic Preservation

- Center Church on the Green - New Haven, CT: Restoration of 220-foot steeple, roof, and balustrade
- New York Life Building - NY: Condition assessment and repair of limestone cladding
- Yale University, Sterling Memorial Library - New Haven, CT: Condition assessment of leaded glass windows and masonry facade
- Metropolitan Museum of Art - New York, NY: Assessment and repair of historic skylights

##### Structural Evaluation

- Metropolitan Museum of Art - New York, NY: Structural analysis and design of special exhibits and specialty structures
- Major Restaurant Chain - U.S.: Inspection, analysis, and repair of roof trusses
- Major Retail Chain - U.S.: Inspection, analysis, and monitoring of roof framing

##### Testing and Instrumentation

- Capital Preparatory Magnet School - Hartford, CT: Full-scale load testing of concrete-floor joists
- Citicorp Building - New York, NY: Load testing of suspended scaffold anchorages
- Yale Health Services Center - New Haven, CT: Air- and water-infiltration testing of building envelope
- Two Fifth Avenue - New York, NY: Facade failure investigation and in situ testing of masonry